

Data Path : Z:\VOASRV\HPCHEM1\MSVOA_D\DATA\VD122018\
 Data File : VD060655.D
 Acq On : 20 Dec 2018 12:59
 Operator : VA/AP
 Sample : VSTDIC020
 Misc : 5.00g/5ml/MSVOA_D/SOIL
 ALS Vial : 5 Sample Multiplier: 1

Instrument :
 MSVOA_D
 ClientSampleId :
 VSTDIC020

Manual Integrations
 APPROVED

apatel
 12/21/2018 11:32:29 AM

Quant Time: Dec 20 14:58:19 2018
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_D\METHOD\82D122018S.M
 Quant Title : SW846 8260
 QLast Update : Thu Dec 20 14:42:21 2018
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Pentafluorobenzene	6.41	168	1487848	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	7.45	114	2051906	50.00	ug/l	0.00
63) Chlorobenzene-d5	11.28	117	1668513	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.37	152	852292	50.00	ug/l	0.00

System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	6.79	65	209048	20.58	ug/l	0.00
Spiked Amount	50.000		Recovery	=	41.16%	
35) Dibromofluoromethane	6.32	113	302758	20.44	ug/l	0.00
Spiked Amount	50.000		Recovery	=	40.88%	
50) Toluene-d8	9.45	98	940022	21.06	ug/l	0.00
Spiked Amount	50.000		Recovery	=	42.12%	
62) 4-Bromofluorobenzene	12.42	95	329502	21.72	ug/l	0.00
Spiked Amount	50.000		Recovery	=	43.44%	

Target Compounds						Qvalue
2) Dichlorodifluoromethane	1.60	85	374111	17.434	ug/l	97
3) Chloromethane	1.77	50	373906	21.209	ug/l	96
4) Vinyl Chloride	1.87	62	298155	20.598	ug/l	99
5) Bromomethane	2.16	94	47147	12.526	ug/l	92
6) Chloroethane	2.27	64	78213	16.276	ug/l	100
7) Trichlorofluoromethane	2.52	101	321496	19.251	ug/l	98
8) Diethyl Ether	2.84	74	54771	20.170	ug/l	97
9) 1,1,2-Trichlorotrifluoroet	3.10	101	217437	20.995	ug/l	100
10) Methyl Iodide	3.25	142	222629	18.770	ug/l	96
11) Tert butyl alcohol	3.97	59	39128	85.305	ug/l	97
12) 1,1-Dichloroethene	3.09	96	177720	21.246	ug/l	95
13) Acrolein	3.00	56	49190	122.603	ug/l	97
14) Allyl chloride	3.55	41	319908	20.113	ug/l	96
15) Acrylonitrile	4.09	53	253114	97.387	ug/l	90
16) Acetone	3.16	43	194843	102.727	ug/l	96
17) Carbon Disulfide	3.32	76	555541	19.847	ug/l	98
18) Methyl Acetate	3.57	43	85566	18.044	ug/l	99
19) Methyl tert-butyl Ether	4.13	73	433612	19.308	ug/l	97
20) Methylene Chloride	3.73	84	398901	23.498	ug/l	98
21) trans-1,2-Dichloroethene	4.11	96	360925	20.426	ug/l	98
22) Diisopropyl ether	4.86	45	1095213	20.298	ug/l	99
23) Vinyl Acetate	4.81	43	2608828	98.441	ug/l	98
24) 1,1-Dichloroethane	4.76	63	584112	20.662	ug/l	98
25) 2-Butanone	5.62	43	348622	92.890	ug/l	99
26) 2,2-Dichloropropane	5.59	77	460975	20.465	ug/l	98
27) cis-1,2-Dichloroethene	5.60	96	362540	20.019	ug/l	96
28) Bromochloromethane	5.93	49	222906	18.937	ug/l	97
29) Tetrahydrofuran	5.95	42	194082	94.215	ug/l	99
30) Chloroform	6.11	83	583512	20.428	ug/l	98
31) Cyclohexane	6.36	56	524717	19.247	ug/l	96
32) 1,1,1-Trichloroethane	6.29	97	484404	20.419	ug/l	97
36) 1,1-Dichloropropene	6.52	75	445288	20.327	ug/l	98
37) Ethyl Acetate	5.70	43	185782	20.546	ug/l	99
38) Carbon Tetrachloride	6.50	117	397657	20.122	ug/l	99

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Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
39) Methylcyclohexane	8.04	83	508026	19.772	ug/l	99
40) Benzene	6.80	78	1174357	20.661	ug/l	98
41) Methacrylonitrile	5.92	41	89149m	16.638	ug/l	
42) 1,2-Dichloroethane	6.89	62	287588	20.358	ug/l	99
43) Isopropyl Acetate	8.35	43	222983	18.159	ug/l #	99
44) Trichloroethene	7.74	130	345729	20.327	ug/l	97
45) 1,2-Dichloropropane	8.10	63	283564	20.541	ug/l	99
46) Dibromomethane	8.21	93	155523	19.425	ug/l	96
47) Bromodichloromethane	8.49	83	376860	19.468	ug/l	100
48) Methyl methacrylate	8.24	41	137164	18.350	ug/l	97
49) 1,4-Dioxane	8.22	88	24899	355.754	ug/l	94
51) 4-Methyl-2-Pentanone	9.33	43	728788	96.769	ug/l	96
52) Toluene	9.55	92	736998	20.417	ug/l	99
53) t-1,3-Dichloropropene	9.92	75	310280	18.878	ug/l	99
54) cis-1,3-Dichloropropene	9.10	75	418870	19.497	ug/l	95
55) 1,1,2-Trichloroethane	10.18	97	190646	19.916	ug/l	99
56) Ethyl methacrylate	10.03	69	174602	17.831	ug/l	99
57) 1,3-Dichloropropane	10.38	76	300211	19.665	ug/l	99
58) 2-Chloroethyl Vinyl ether	8.92	63	521321	100.896	ug/l	96
59) 2-Hexanone	10.49	43	502750	93.951	ug/l	97
60) Dibromochloromethane	10.63	129	239672	18.465	ug/l	97
61) 1,2-Dibromoethane	10.75	107	191798	18.626	ug/l	97
64) Tetrachloroethene	10.25	164	317845	19.700	ug/l	99
65) Chlorobenzene	11.31	112	779144	19.874	ug/l	99
66) 1,1,1,2-Tetrachloroethane	11.42	131	251680	19.589	ug/l	99
67) Ethyl Benzene	11.43	91	1385527	20.571	ug/l	98
68) m/p-Xylenes	11.57	106	1029005	42.067	ug/l	99
69) o-Xylene	11.93	106	472054	19.907	ug/l	91
70) Styrene	11.95	104	747811	19.543	ug/l	96
71) Bromoform	12.11	173	155306	17.951	ug/l #	93
73) Isopropylbenzene	12.28	105	1356419	20.785	ug/l	98
74) N-amyl acetate	12.13	43	293979	19.017	ug/l	99
75) 1,1,2,2-Tetrachloroethane	12.56	83	199128	18.409	ug/l	99
76) 1,2,3-Trichloropropane	12.59	75	197253	18.785	ug/l	99
77) Bromobenzene	12.54	156	340058	19.555	ug/l	91
78) n-propylbenzene	12.64	91	1726150	20.760	ug/l	99
79) 2-Chlorotoluene	12.70	91	872172	19.346	ug/l	95
80) 1,3,5-Trimethylbenzene	12.79	105	1021603	20.344	ug/l	97
81) trans-1,4-Dichloro-2-buten	12.34	75	53050	17.394	ug/l	96
82) 4-Chlorotoluene	12.81	91	1002890	20.286	ug/l	92
83) tert-Butylbenzene	13.04	119	1178360	20.589	ug/l	94
84) 1,2,4-Trimethylbenzene	13.09	105	1045093	20.034	ug/l	98
85) sec-Butylbenzene	13.22	105	1430285	20.075	ug/l	97
86) p-Isopropyltoluene	13.34	119	1182504	21.229	ug/l	98
87) 1,3-Dichlorobenzene	13.31	146	640910	20.273	ug/l	98
88) 1,4-Dichlorobenzene	13.39	146	613279	19.657	ug/l	97
89) n-Butylbenzene	13.65	91	1206716	21.206	ug/l	97
90) Hexachloroethane	13.86	117	280035	19.783	ug/l	85
91) 1,2-Dichlorobenzene	13.66	146	518713	20.663	ug/l	97
92) 1,2-Dibromo-3-Chloropropan	14.23	75	22844	17.875	ug/l	89

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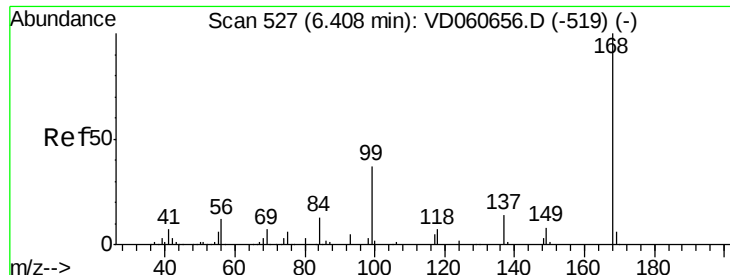
Manual Integrations
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12/21/2018 11:32:29 AM

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Quant Title : SW846 8260
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Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
93) 1,2,4-Trichlorobenzene	14.79	180	401911	19.329	ug/l	97
94) Hexachlorobutadiene	14.89	225	303221	20.259	ug/l	99
95) Naphthalene	14.96	128	456001	18.014	ug/l	99
96) 1,2,3-Trichlorobenzene	15.11	180	299576	18.307	ug/l	98

(#) = qualifier out of range (m) = manual integration (+) = signals summed



#1

Pentafluorobenzene

Concen: 50.000 ug/l

RT: 6.41 min Scan# 598

Delta R.T. 0.00 min

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Acq: 20 Dec 2018 12:59

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MSVOA_D

ClientSampleId :

VSTDIC020

Tgt Ion:168 Resp: 1487848

Ion Ratio Lower Upper

168 100

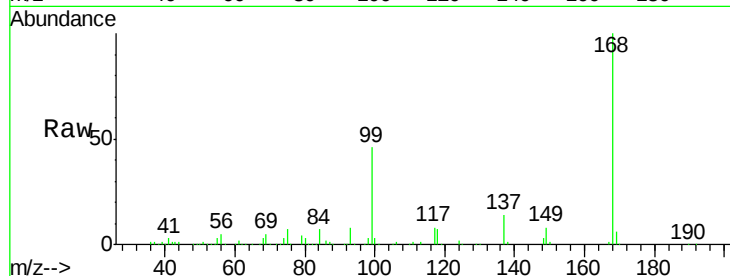
99 46.2 38.7 58.1

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Abundance Ion 167.90 (167.60 to 168.60): V

Ion 98.95 (98.65 to 99.65): VDC

6.41

600000

500000

400000

300000

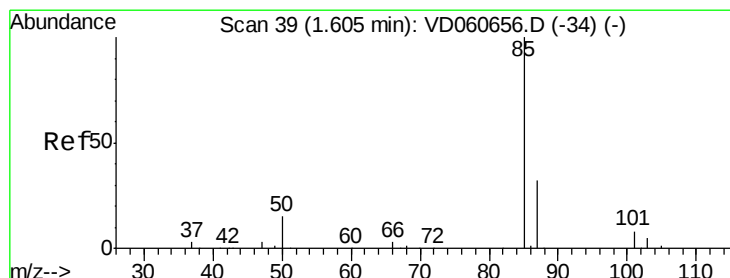
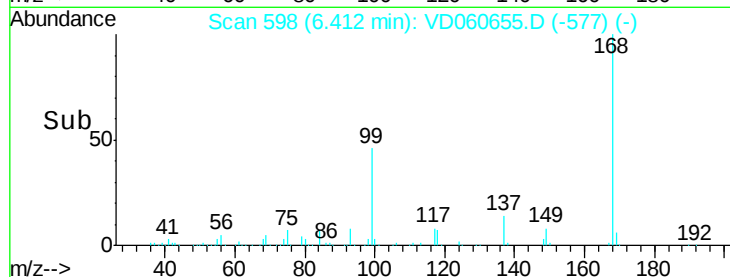
200000

100000

0

6.30 6.40 6.50 6.60

Time-->



#2

Dichlorodifluoromethane

Concen: 17.434 ug/l

RT: 1.60 min Scan# 109

Delta R.T. -0.01 min

Lab File: VD060655.D

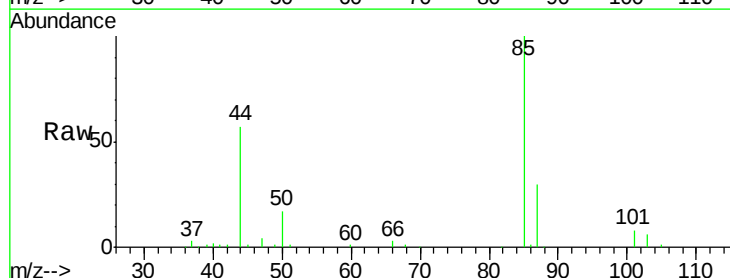
Acq: 20 Dec 2018 12:59

Tgt Ion: 85 Resp: 374111

Ion Ratio Lower Upper

85 100

87 30.4 16.0 47.9



Abundance Ion 84.95 (84.65 to 85.65): VDC

Ion 86.90 (86.60 to 87.60): VDC

1.60

150000

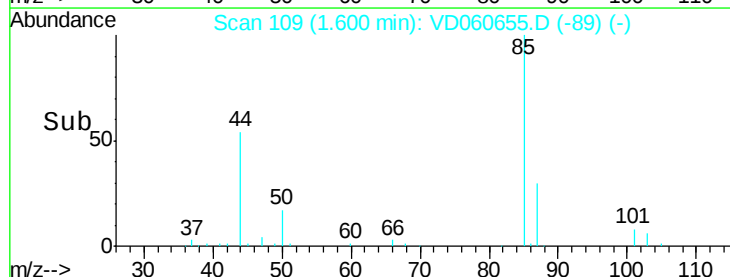
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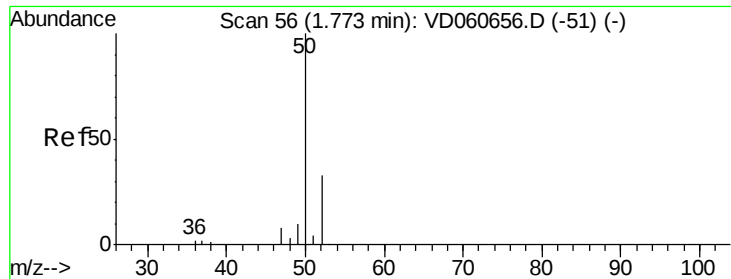
50000

0

1.50 1.60 1.70 1.80

Time-->





#3

Chloromethane

Concen: 21.209 ug/l

RT: 1.77 min Scan# 126

Delta R.T. -0.01 min

Lab File: VD060655.D

Acq: 20 Dec 2018 12:59

Instrument :

MSVOA_D

ClientSampleId :

VSTDIC020

Tgt Ion: 50 Resp: 373906

Ion Ratio Lower Upper

50 100

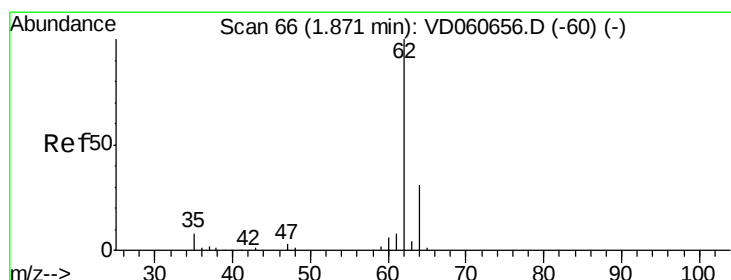
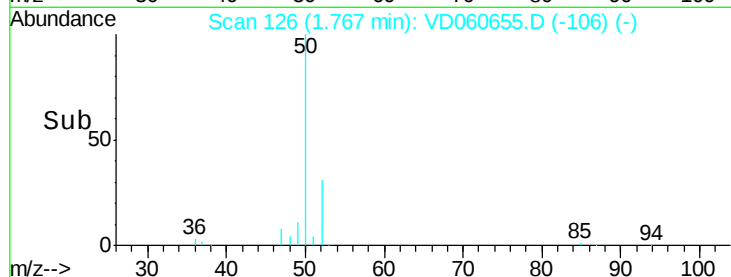
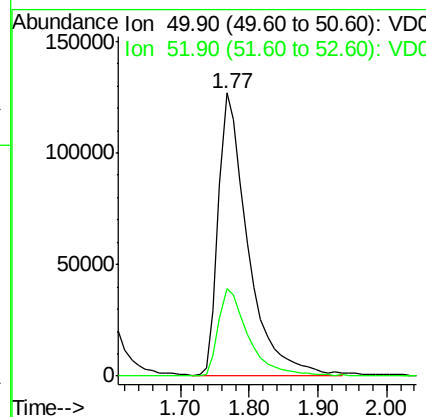
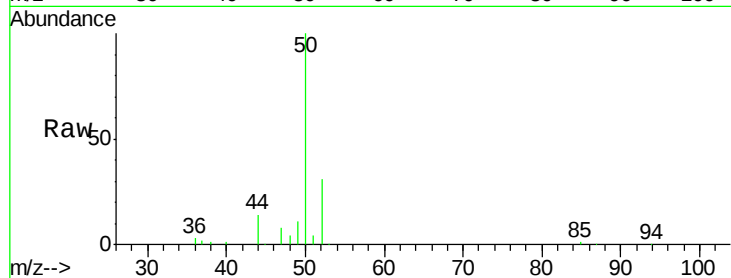
52 31.1 26.6 39.8

Manual Integrations

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#4

Vinyl Chloride

Concen: 20.598 ug/l

RT: 1.87 min Scan# 136

Delta R.T. -0.01 min

Lab File: VD060655.D

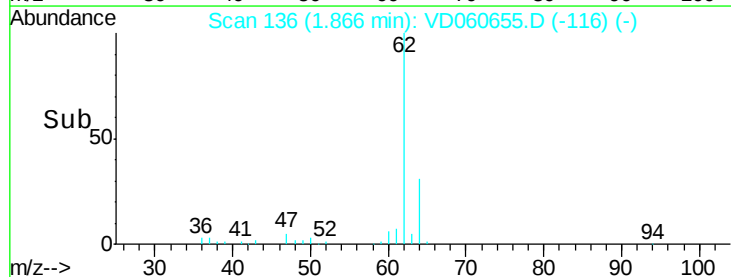
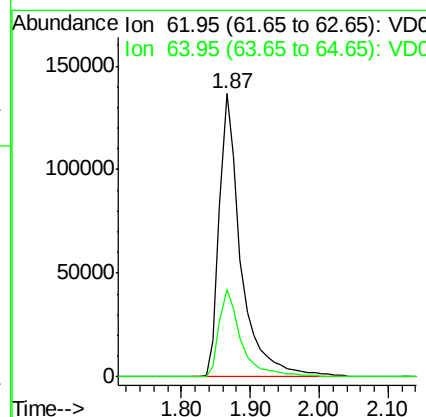
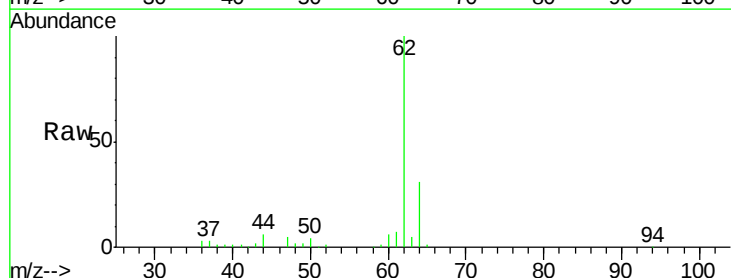
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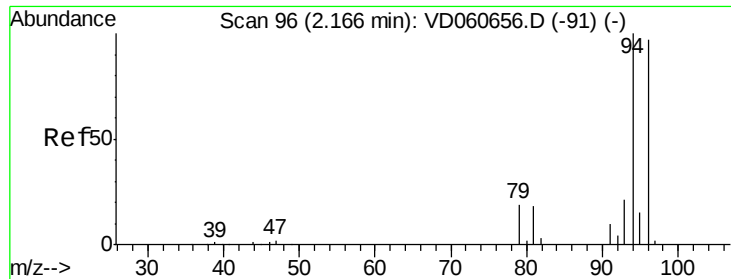
Tgt Ion: 62 Resp: 298155

Ion Ratio Lower Upper

62 100

64 30.8 25.0 37.6





#5

Bromomethane

Concen: 12.526 ug/l

RT: 2.16 min Scan# 166

Delta R.T. -0.01 min

Lab File: VD060655.D

Acq: 20 Dec 2018 12:59

Instrument :

MSVOA_D

ClientSampleId :

VSTDIC020

Tgt Ion: 94 Resp: 47147

Ion Ratio Lower Upper

94 100

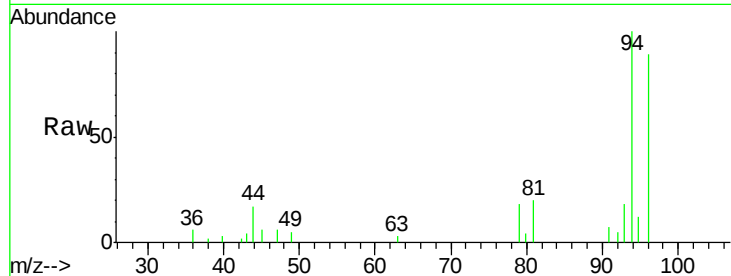
96 88.5 77.2 115.8

Manual Integrations

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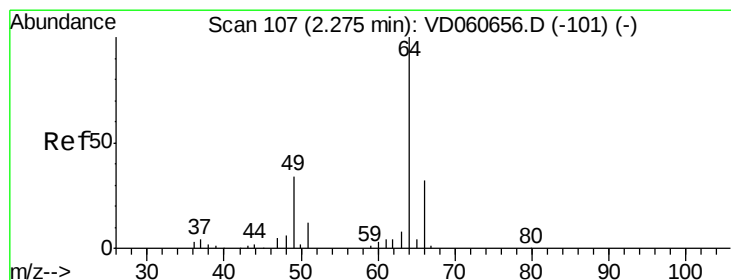
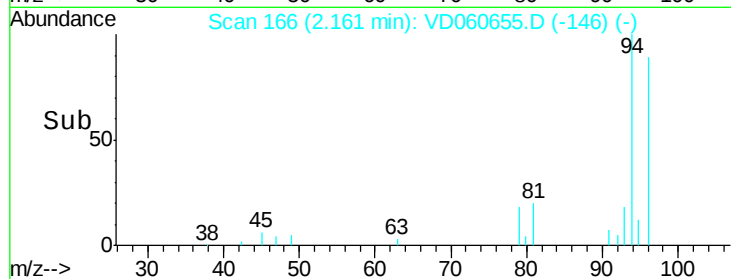
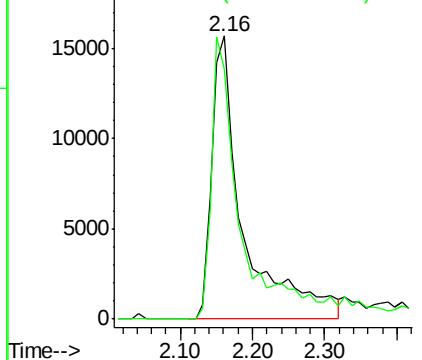
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Abundance Ion 93.90 (93.60 to 94.60): VDC

Ion 95.90 (95.60 to 96.60): VDC



#6

Chloroethane

Concen: 16.276 ug/l

RT: 2.27 min Scan# 177

Delta R.T. -0.01 min

Lab File: VD060655.D

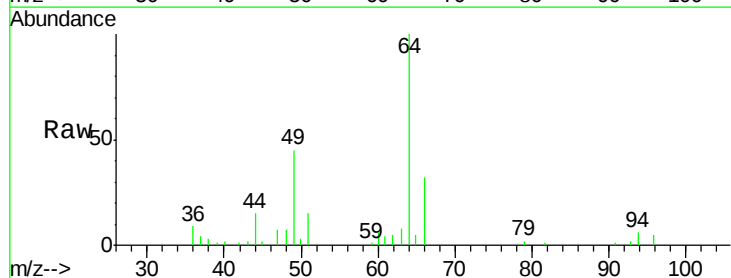
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Tgt Ion: 64 Resp: 78213

Ion Ratio Lower Upper

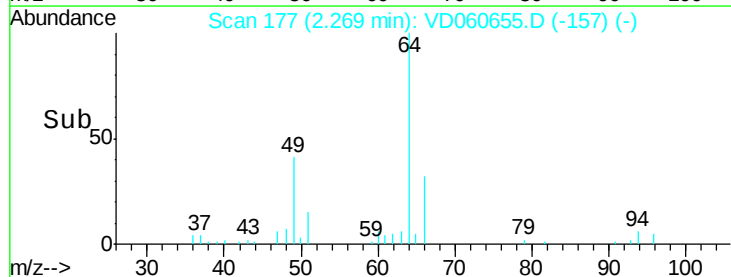
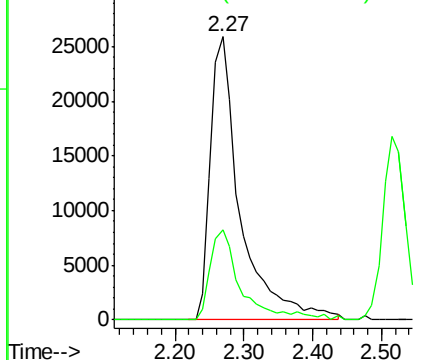
64 100

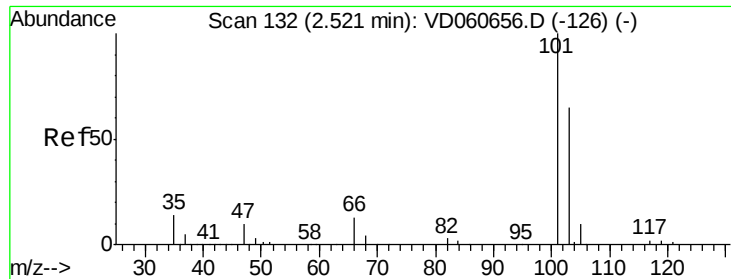
66 31.9 25.6 38.4



Abundance Ion 63.95 (63.65 to 64.65): VDC

Ion 65.90 (65.60 to 66.60): VDC





#7

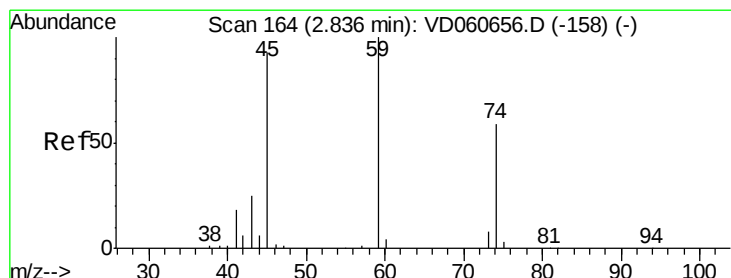
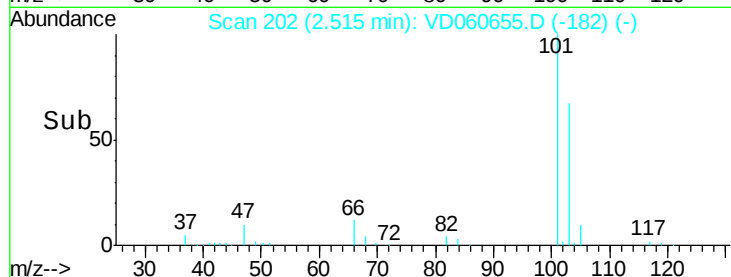
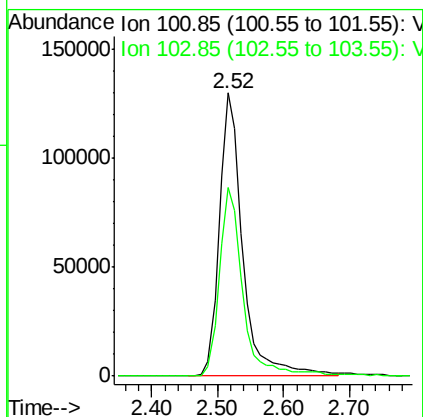
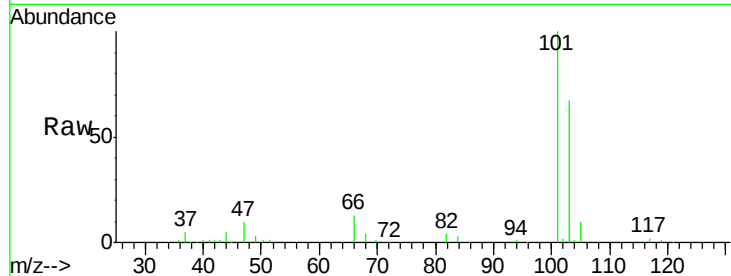
Trichlorofluoromethane
 Concen: 19.251 ug/l
 RT: 2.52 min Scan# 202
 Delta R.T. -0.01 min
 Lab File: VD060655.D
 Acq: 20 Dec 2018 12:59

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Tgt Ion	Ratio	Lower	Upper
101	100		
103	66.7	51.9	77.9

Manual Integrations
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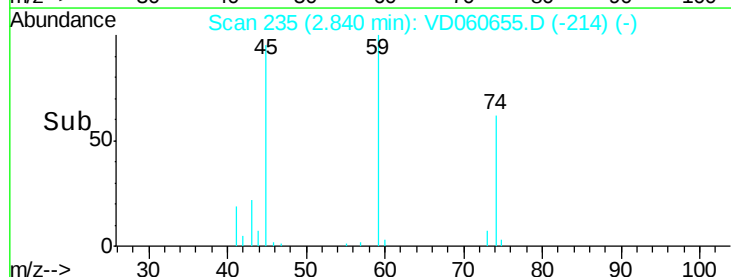
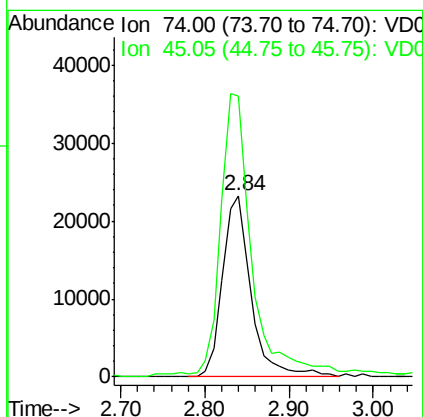
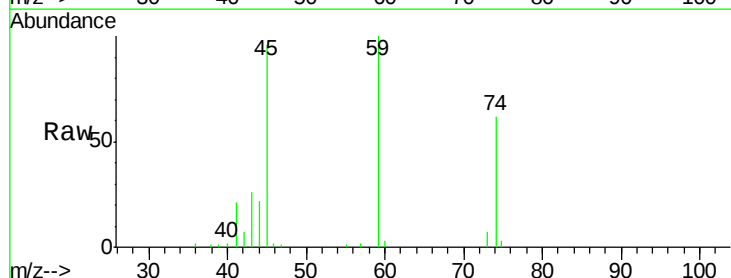
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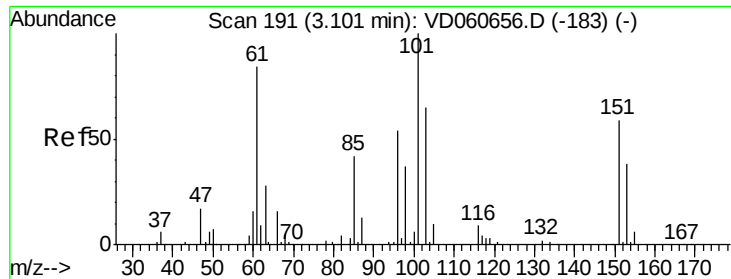


#8

Diethyl Ether
 Concen: 20.170 ug/l
 RT: 2.84 min Scan# 235
 Delta R.T. 0.00 min
 Lab File: VD060655.D
 Acq: 20 Dec 2018 12:59

Tgt Ion	Ratio	Lower	Upper
74	100		
45	154.8	79.3	238.1





#9

1,1,2-Trichlorotrifluoroethane

Concen: 20.995 ug/l

RT: 3.10 min Scan# 261

Delta R.T. -0.01 min

Lab File: VD060655.D

Acq: 20 Dec 2018 12:59

Instrument :

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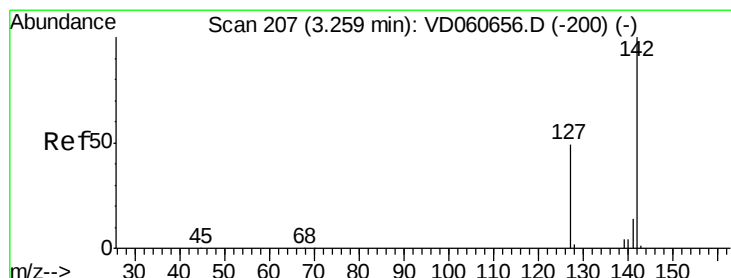
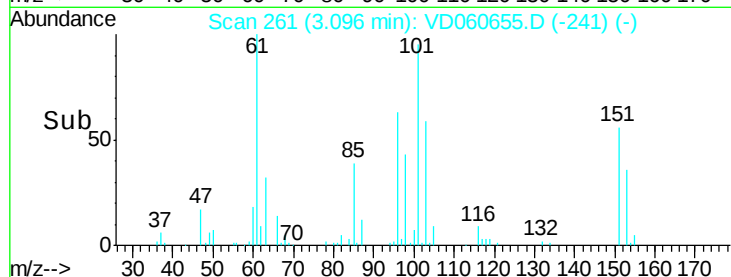
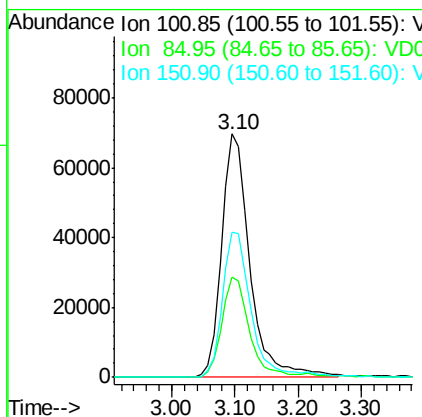
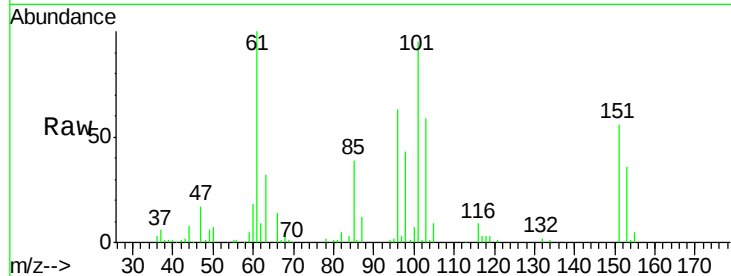
ClientSampleId :

VSTDIC020

Tgt Ion:	101	Resp:	217437
Ion Ratio	Lower	Upper	
101	100		
85	41.2	33.4	50.0
151	59.5	47.5	71.3

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#10

Methyl Iodide

Concen: 18.770 ug/l

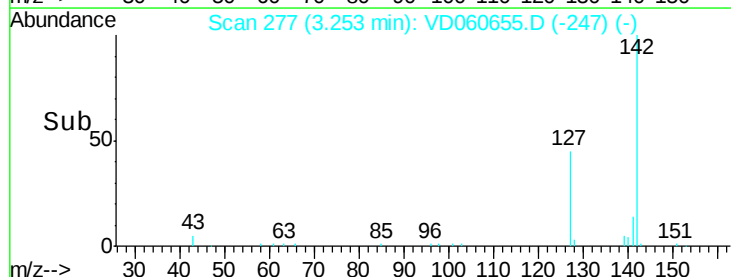
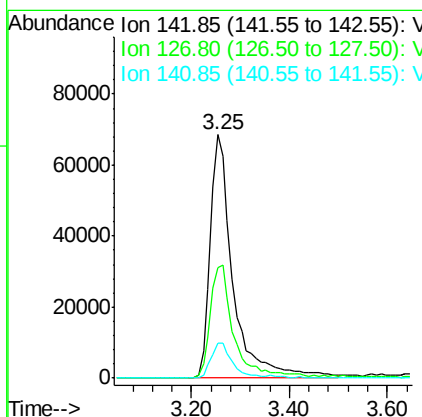
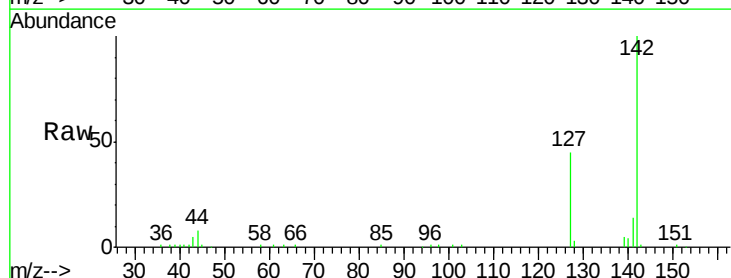
RT: 3.25 min Scan# 277

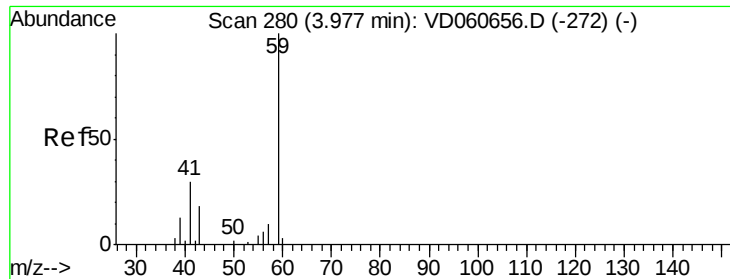
Delta R.T. -0.01 min

Lab File: VD060655.D

Acq: 20 Dec 2018 12:59

Tgt Ion:	142	Resp:	222629
Ion Ratio	Lower	Upper	
142	100		
127	45.5	39.5	59.3
141	14.1	11.3	16.9





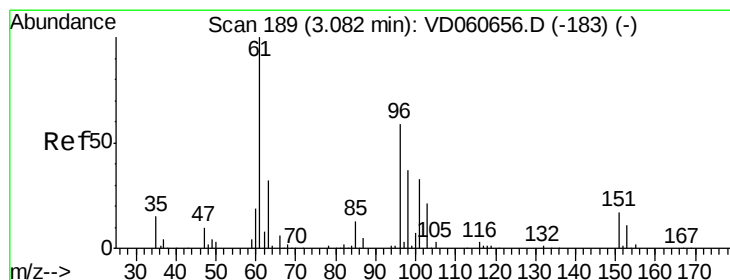
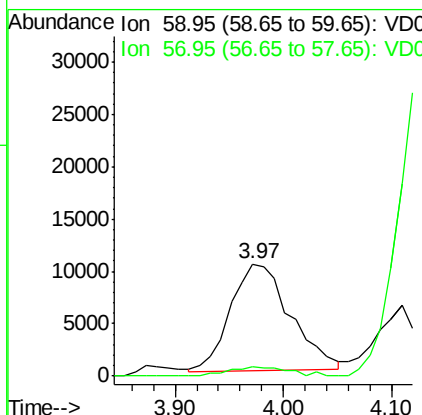
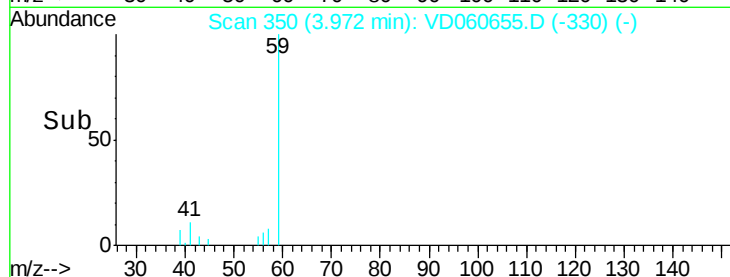
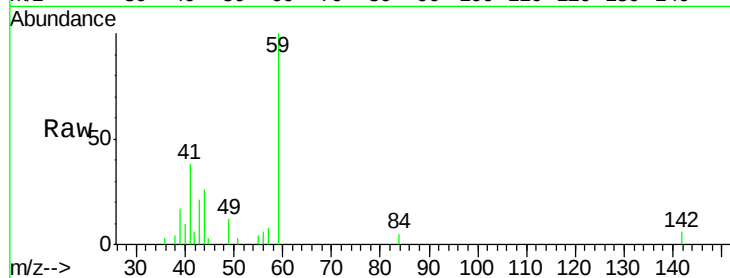
#11
Tert butyl alcohol
Concen: 85.305 ug/l
RT: 3.97 min Scan# 350
Delta R.T. -0.01 min
Lab File: VD060655.D
Acq: 20 Dec 2018 12:59

Instrument :
MSVOA_D
ClientSampleId :
VSTDIC020

Tgt Ion: 59 Resp: 39128
Ion Ratio Lower Upper
59 100
57 8.5 7.8 11.6

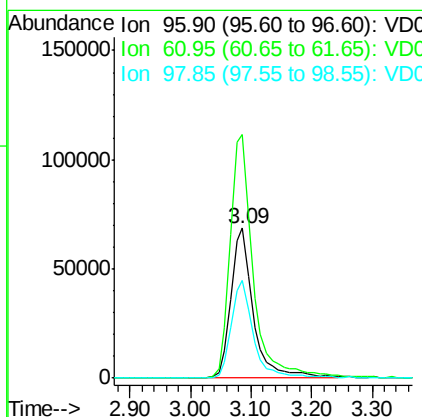
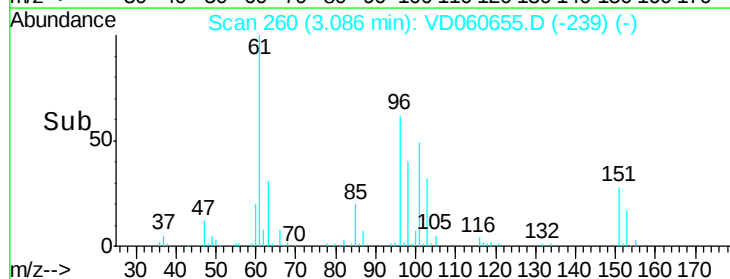
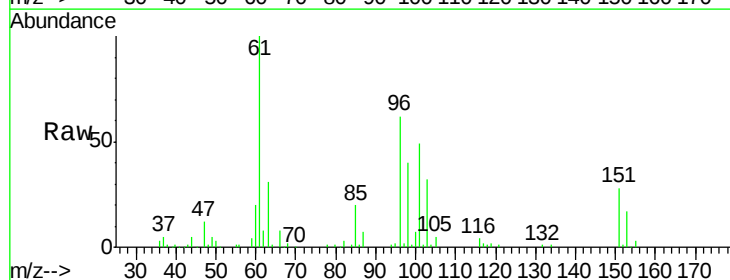
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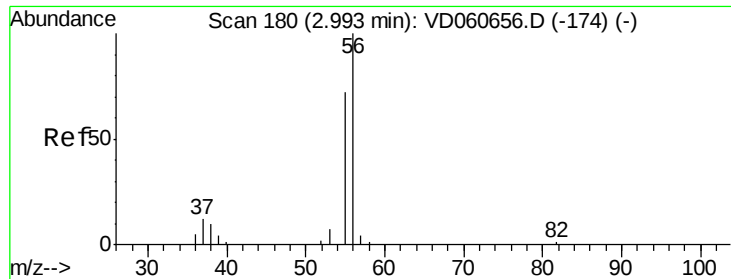
apatel
12/21/2018 11:32:29 AM



#12
1,1-Dichloroethene
Concen: 21.246 ug/l
RT: 3.09 min Scan# 260
Delta R.T. 0.00 min
Lab File: VD060655.D
Acq: 20 Dec 2018 12:59

Tgt Ion: 96 Resp: 177720
Ion Ratio Lower Upper
96 100
61 162.4 136.2 204.4
98 64.8 50.7 76.1





#13

Acrolein

Concen: 122.603 ug/l

RT: 3.00 min Scan# 251

Delta R.T. 0.00 min

Lab File: VD060655.D

Acq: 20 Dec 2018 12:59

Instrument :

MSVOA_D

ClientSampleId :

VSTDIC020

Tgt Ion: 56 Resp: 49190

Ion Ratio Lower Upper

56 100

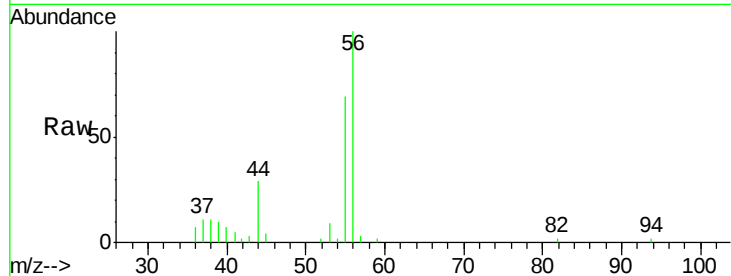
55 69.3 57.7 86.5

Manual Integrations

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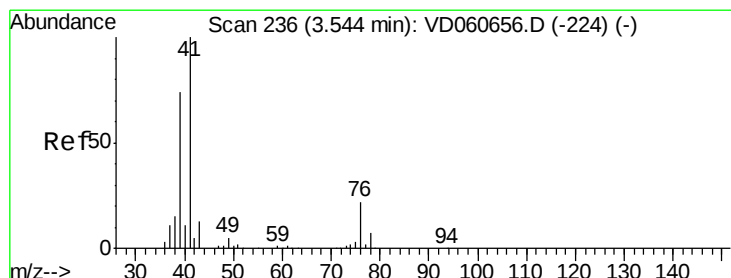
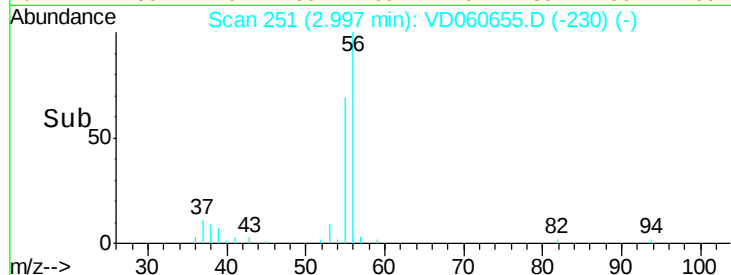
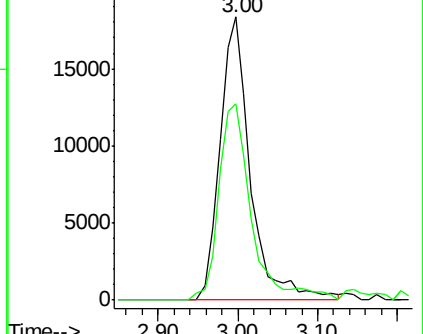
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Abundance Ion 55.95 (55.65 to 56.65): VDC

Ion 55.00 (54.70 to 55.70): VDC



#14

Allyl chloride

Concen: 20.113 ug/l

RT: 3.55 min Scan# 307

Delta R.T. 0.00 min

Lab File: VD060655.D

Acq: 20 Dec 2018 12:59

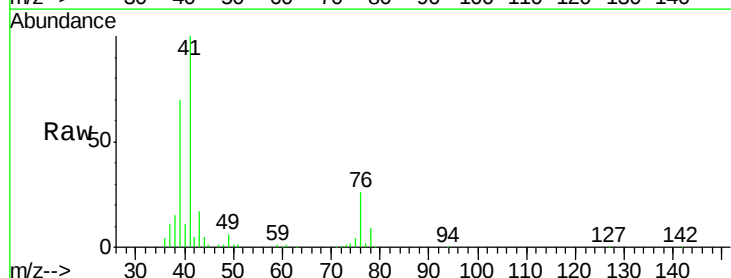
Tgt Ion: 41 Resp: 319908

Ion Ratio Lower Upper

41 100

39 70.4 59.6 89.4

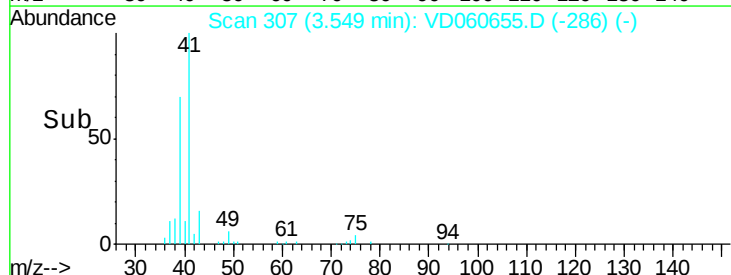
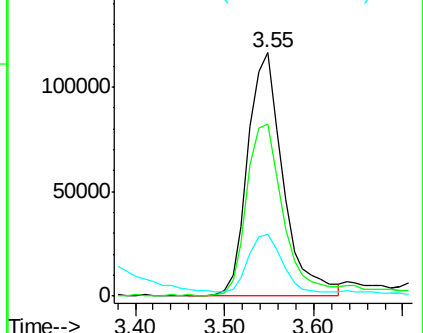
76 25.6 21.8 32.6

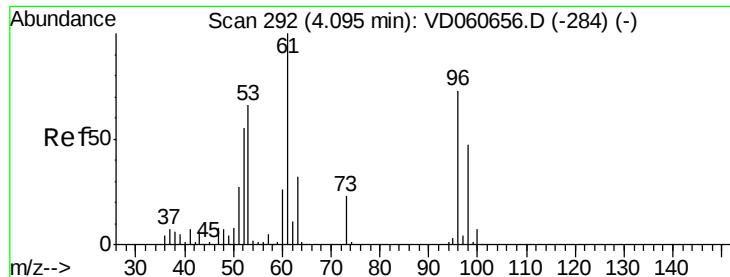


Abundance Ion 41.05 (40.75 to 41.75): VDC

Ion 38.95 (38.65 to 39.65): VDC

Ion 75.95 (75.65 to 76.65): VDC





#15

Acrylonitrile

Concen: 97.387 ug/l

RT: 4.09 min Scan# 362

Delta R.T. -0.01 min

Lab File: VD060655.D

Acq: 20 Dec 2018 12:59

Instrument :

MSVOA_D

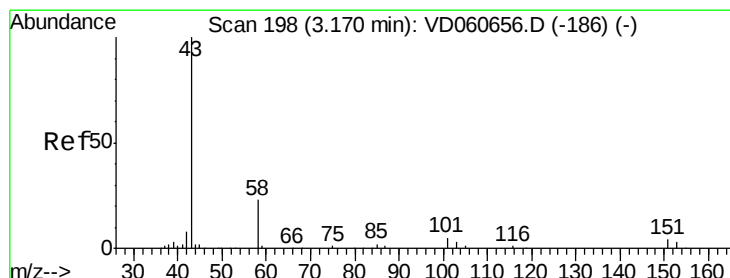
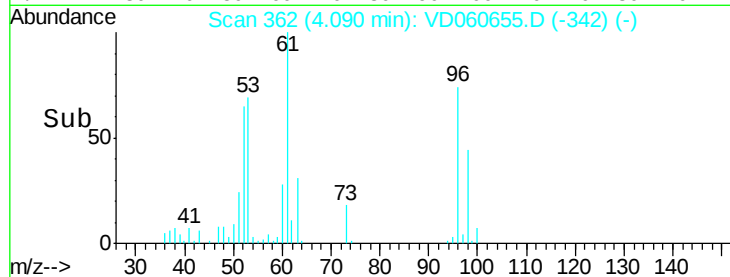
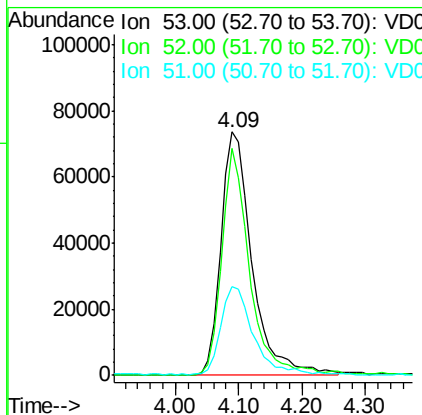
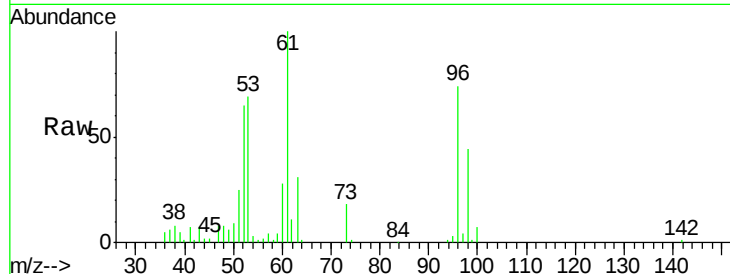
ClientSampleId :

VSTDIC020

Tgt Ion:	53	Resp:	253114
Ion Ratio	Lower	Upper	
53	100		
52	93.1	66.7	100.1
51	36.4	32.7	49.1

Manual Integrations
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#16

Acetone

Concen: 102.727 ug/l

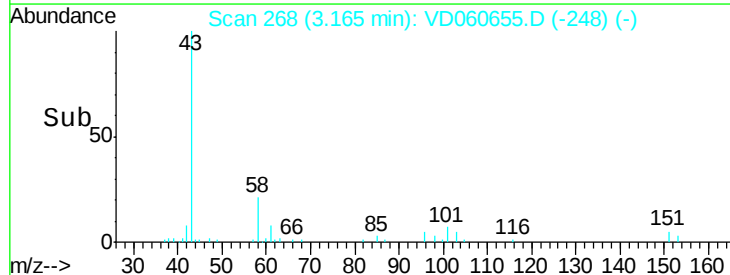
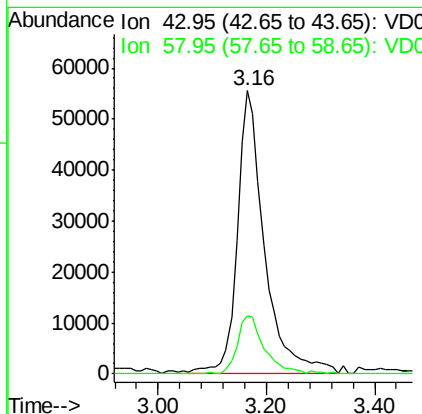
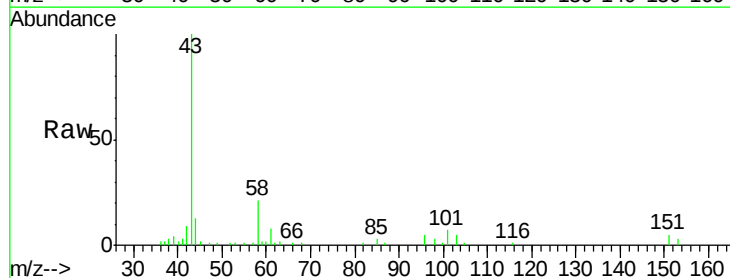
RT: 3.16 min Scan# 268

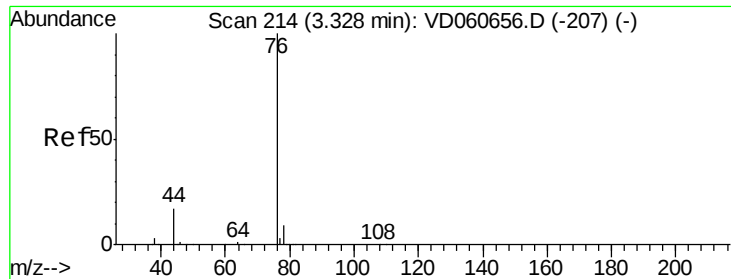
Delta R.T. -0.01 min

Lab File: VD060655.D

Acq: 20 Dec 2018 12:59

Tgt Ion:	43	Resp:	194843
Ion Ratio	Lower	Upper	
43	100		
58	20.5	18.2	27.2





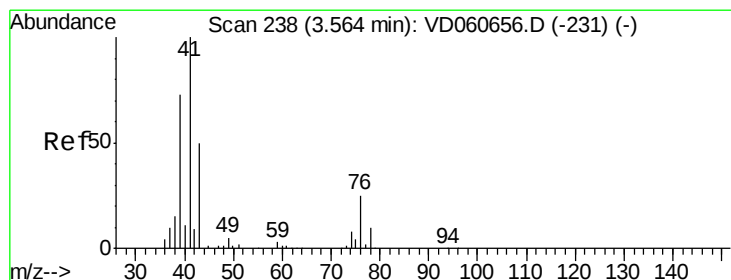
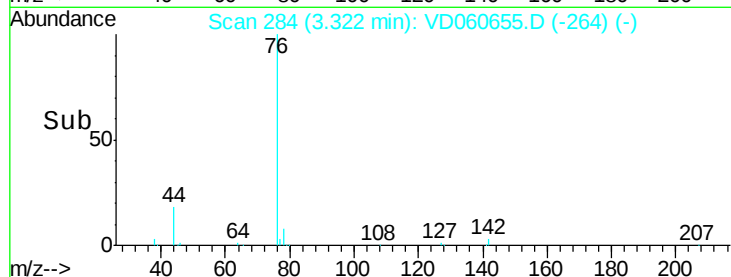
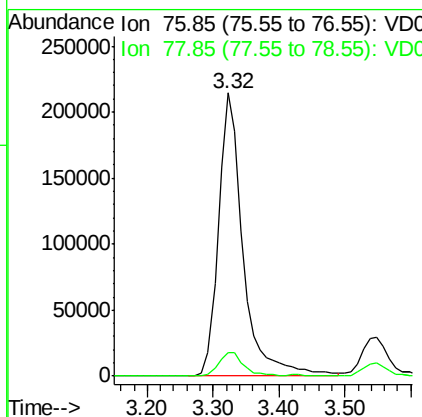
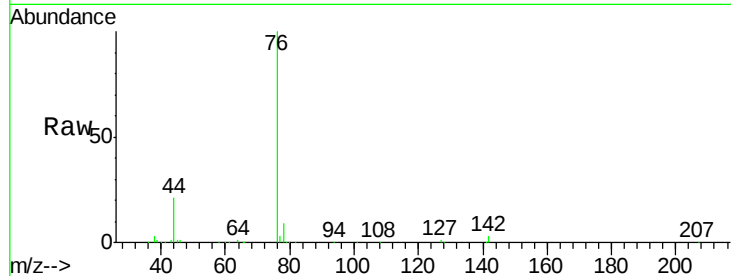
#17
Carbon Disulfide
Concen: 19.847 ug/l
RT: 3.32 min Scan# 284
Delta R.T. -0.01 min
Lab File: VD060655.D
Acq: 20 Dec 2018 12:59

Instrument :
MSVOA_D
ClientSampleId :
VSTDIC020

Tgt Ion: 76 Resp: 555541
Ion Ratio Lower Upper
76 100
78 8.5 7.4 11.0

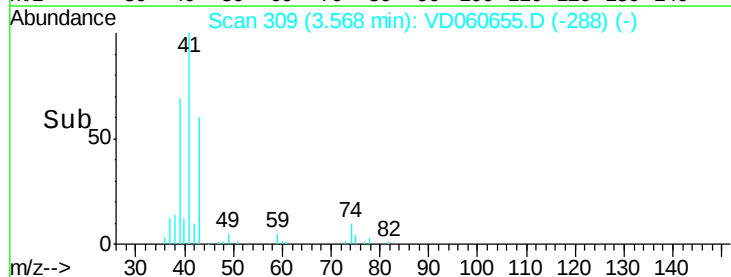
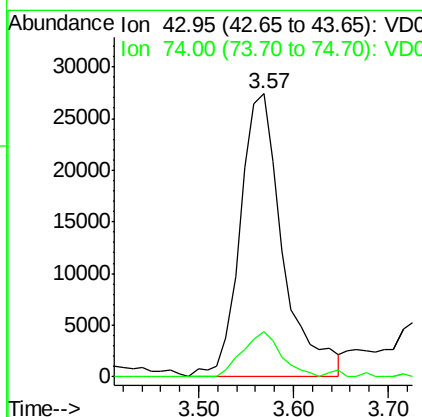
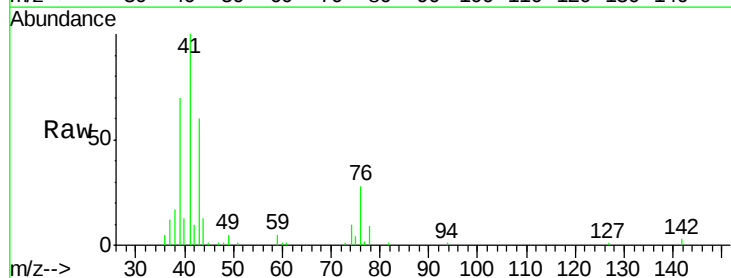
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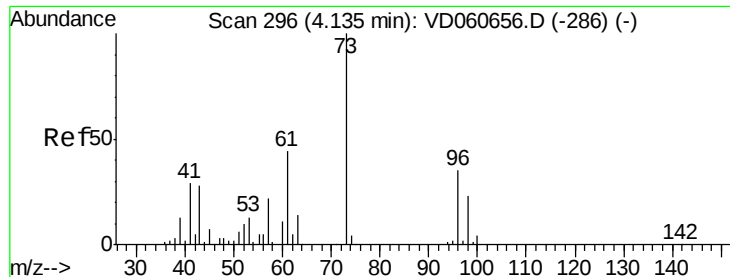
apatel
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#18
Methyl Acetate
Concen: 18.044 ug/l
RT: 3.57 min Scan# 309
Delta R.T. 0.00 min
Lab File: VD060655.D
Acq: 20 Dec 2018 12:59

Tgt Ion: 43 Resp: 85566
Ion Ratio Lower Upper
43 100
74 16.1 12.4 18.6





#19

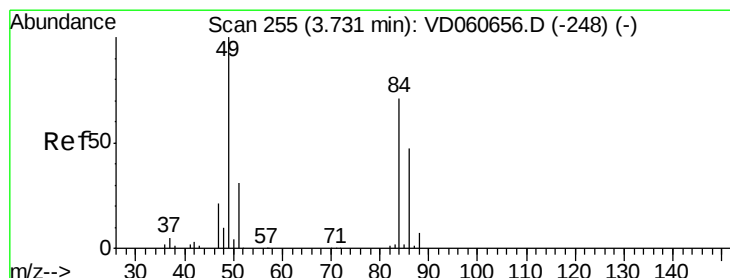
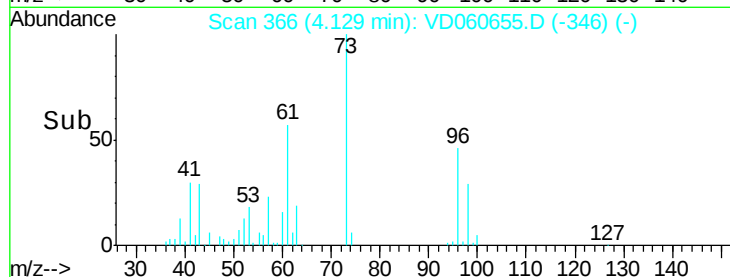
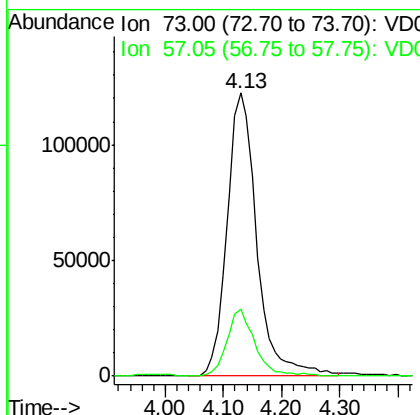
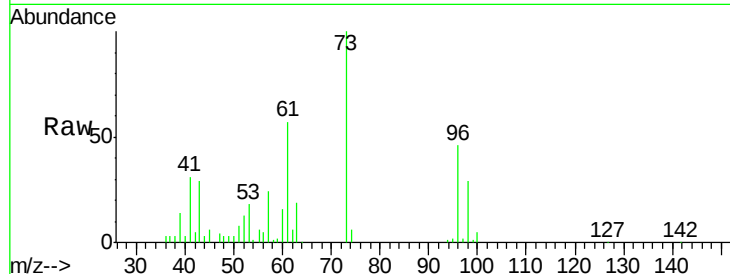
Methyl tert-butyl Ether
Concen: 19.308 ug/l
RT: 4.13 min Scan# 366
Delta R.T. -0.01 min
Lab File: VD060655.D
Acq: 20 Dec 2018 12:59

Instrument :
MSVOA_D
ClientSampleId :
VSTDIC020

Tgt Ion: 73 Resp: 433612
Ion Ratio Lower Upper
73 100
57 23.6 17.6 26.4

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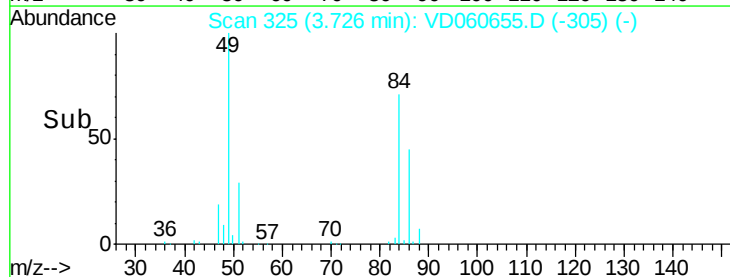
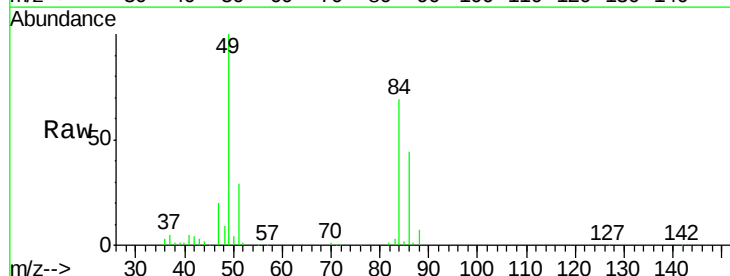
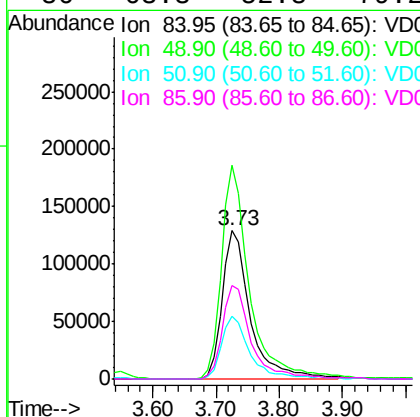
apatel
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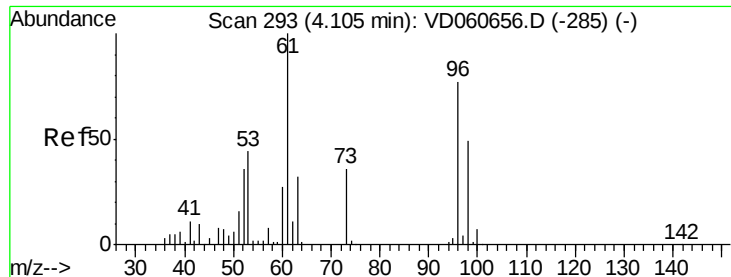


#20

Methylene Chloride
Concen: 23.498 ug/l
RT: 3.73 min Scan# 325
Delta R.T. -0.01 min
Lab File: VD060655.D
Acq: 20 Dec 2018 12:59

Tgt Ion: 84 Resp: 398901
Ion Ratio Lower Upper
84 100
49 144.4 113.6 170.4
51 42.0 34.7 52.1
86 63.3 52.8 79.2





#21

trans-1,2-Dichloroethene

Concen: 20.426 ug/l

RT: 4.11 min Scan# 364

Delta R.T. 0.00 min

Lab File: VD060655.D

Acq: 20 Dec 2018 12:59

Instrument :

MSVOA_D

ClientSampleId :

VSTDIC020

Tgt Ion: 96 Resp: 360925
Ion Ratio Lower Upper

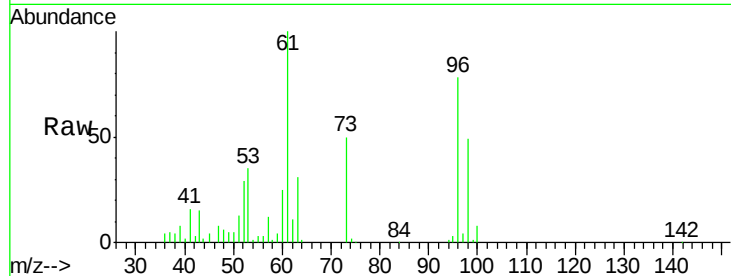
96 100

61 128.4 104.2 156.2

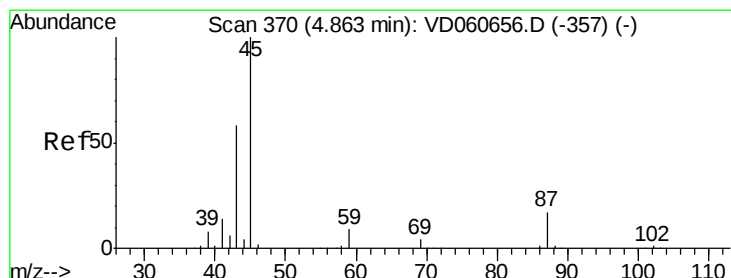
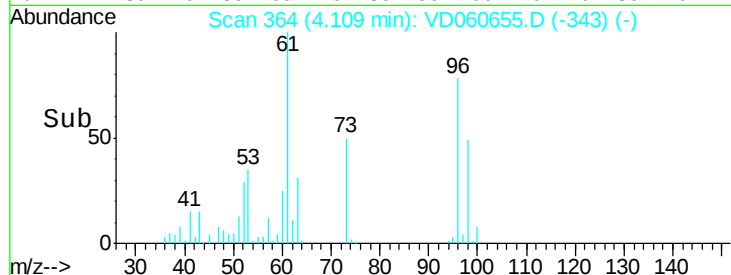
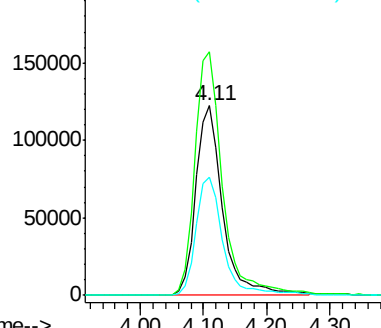
98 62.4 51.2 76.8

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Abundance Ion 95.90 (95.60 to 96.60): VDC
Ion 60.95 (60.65 to 61.65): VDC
Ion 97.85 (97.55 to 98.55): VDC



#22

Diisopropyl ether

Concen: 20.298 ug/l

RT: 4.86 min Scan# 440

Delta R.T. -0.01 min

Lab File: VD060655.D

Acq: 20 Dec 2018 12:59

Tgt Ion: 45 Resp: 1095213
Ion Ratio Lower Upper

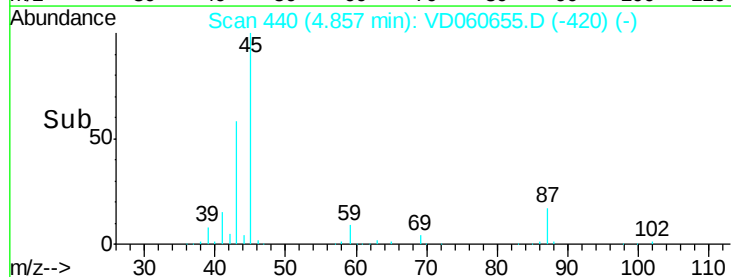
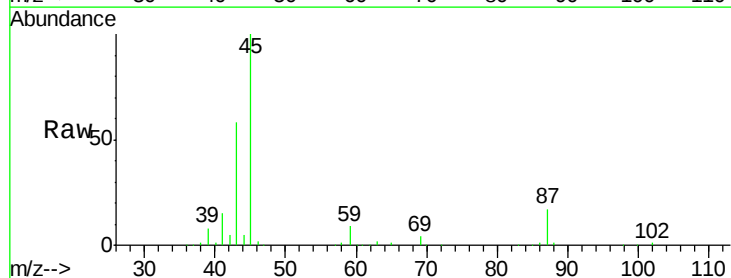
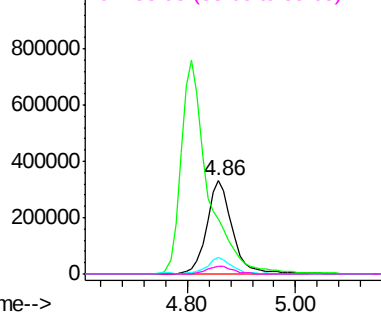
45 100

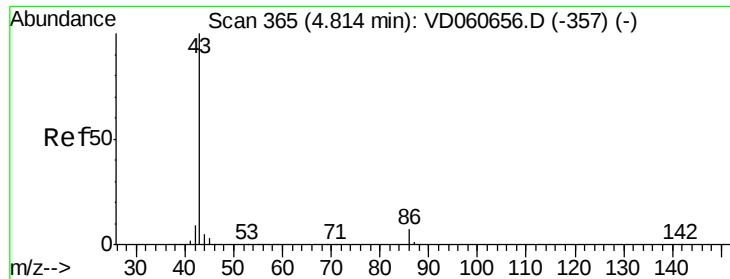
43 58.4 46.1 69.1

87 17.3 13.7 20.5

59 8.8 7.4 11.0

Abundance Ion 45.05 (44.75 to 45.75): VDC
Ion 43.05 (42.75 to 43.75): VDC
Ion 87.00 (86.70 to 87.70): VDC
Ion 58.95 (58.65 to 59.65): VDC





#23

Vinyl Acetate

Concen: 98.441 ug/l

RT: 4.81 min Scan# 435

Delta R.T. -0.01 min

Lab File: VD060655.D

Acq: 20 Dec 2018 12:59

Instrument :

MSVOA_D

ClientSampleId :

VSTDIC020

Tgt Ion: 43 Resp: 2608828

Ion Ratio Lower Upper

43 100

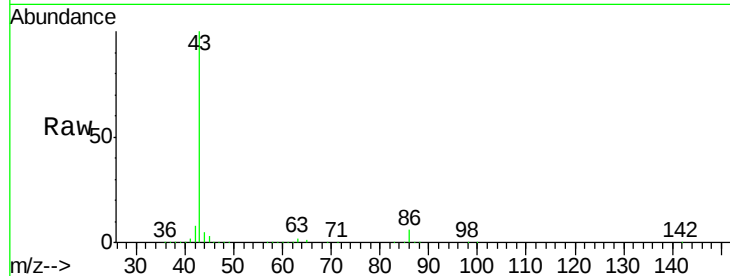
86 6.2 5.6 8.4

Manual Integrations

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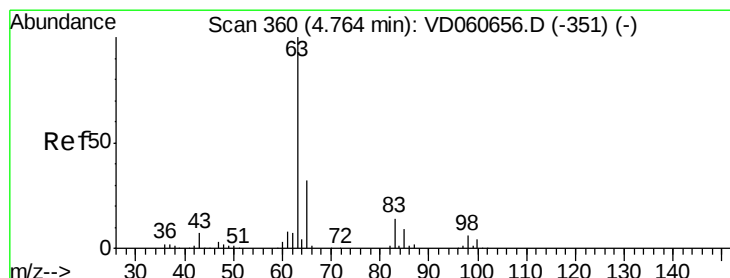
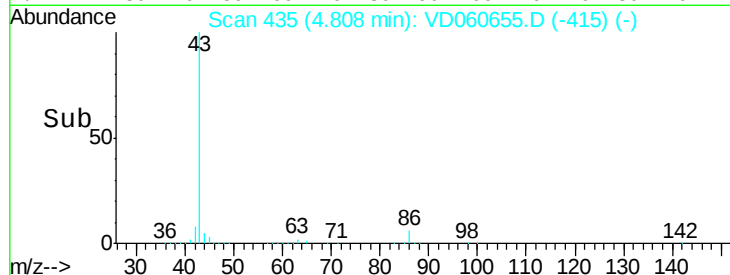
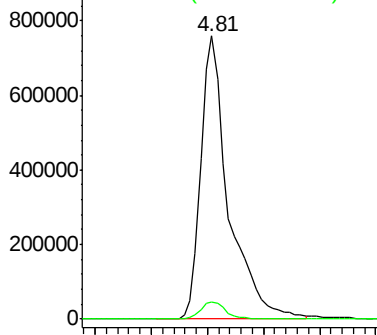
apatel

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Abundance Ion 42.95 (42.65 to 43.65): VDC

Ion 86.00 (85.70 to 86.70): VDC



#24

1,1-Dichloroethane

Concen: 20.662 ug/l

RT: 4.76 min Scan# 430

Delta R.T. -0.01 min

Lab File: VD060655.D

Acq: 20 Dec 2018 12:59

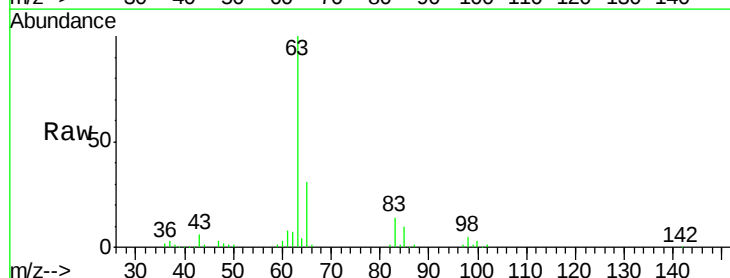
Tgt Ion: 63 Resp: 584112

Ion Ratio Lower Upper

63 100

98 4.9 2.9 8.7

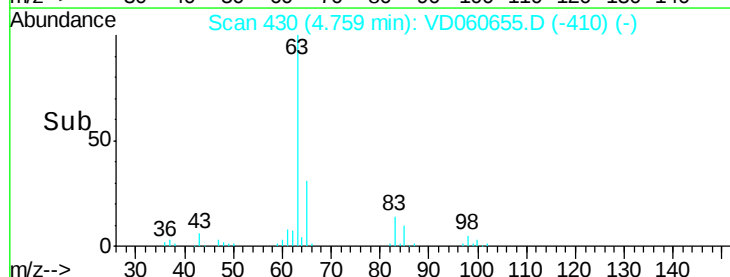
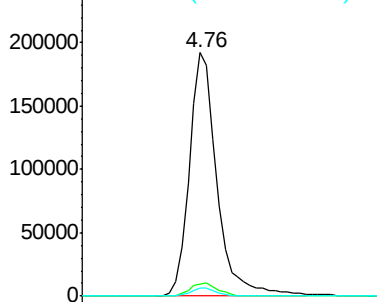
100 3.5 2.0 5.8

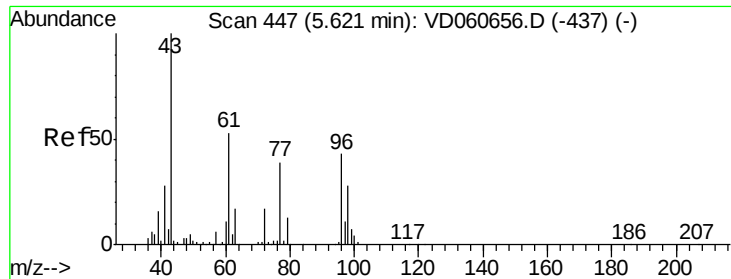


Abundance Ion 62.95 (62.65 to 63.65): VDC

Ion 97.95 (97.65 to 98.65): VDC

Ion 99.95 (99.65 to 100.65): VDC





#25

2-Butanone

Concen: 92.890 ug/l

RT: 5.62 min Scan# 518

Delta R.T. 0.00 min

Lab File: VD060655.D

Acq: 20 Dec 2018 12:59

Instrument :

MSVOA_D

ClientSampleId :

VSTDIC020

Tgt Ion: 43 Resp: 348622

Ion Ratio Lower Upper

43 100

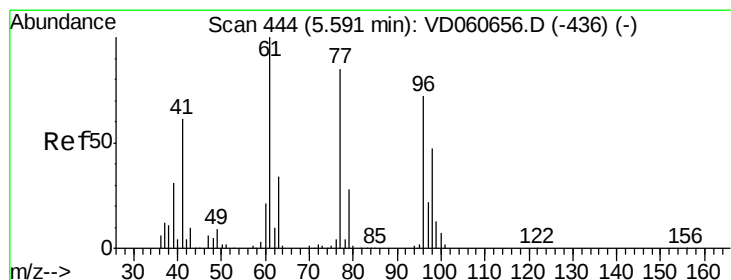
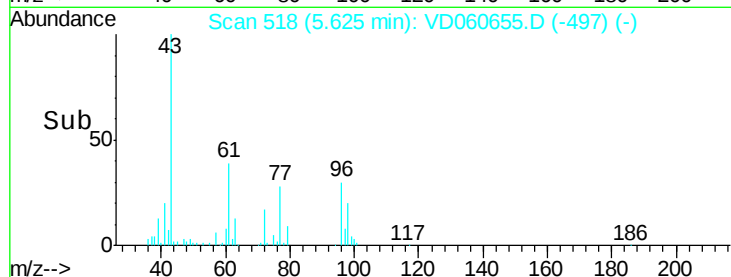
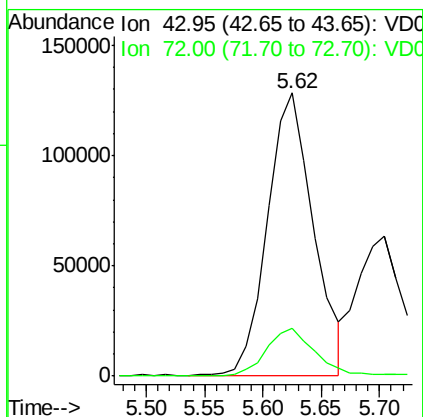
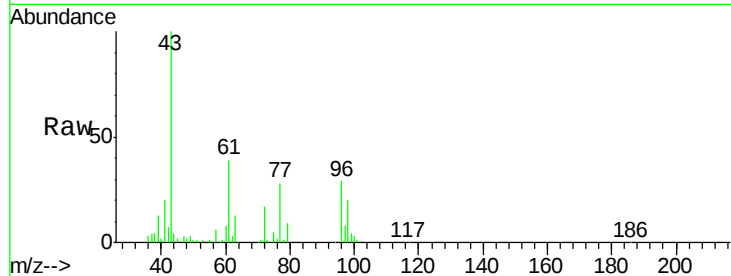
72 16.8 13.7 20.5

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#26

2,2-Dichloropropane

Concen: 20.465 ug/l

RT: 5.59 min Scan# 514

Delta R.T. -0.01 min

Lab File: VD060655.D

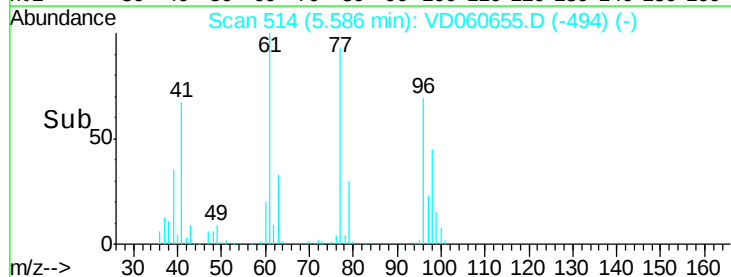
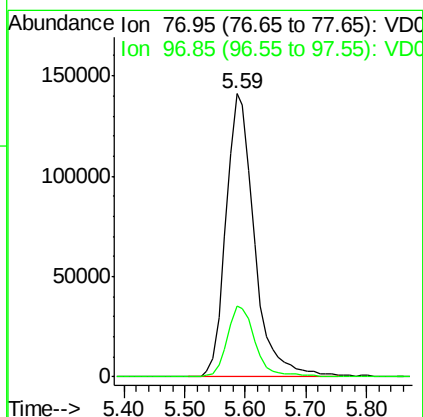
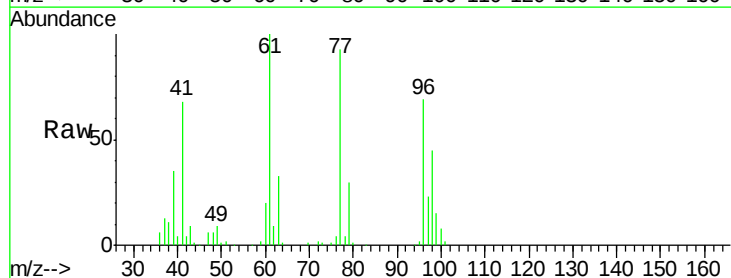
Acq: 20 Dec 2018 12:59

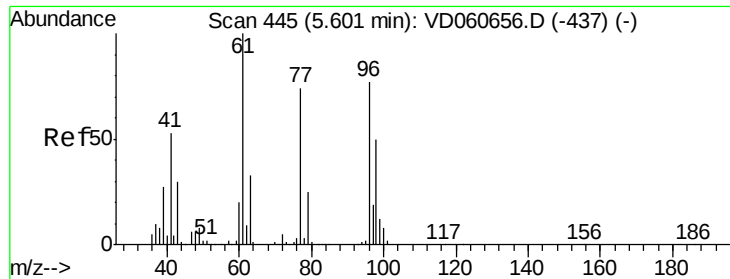
Tgt Ion: 77 Resp: 460975

Ion Ratio Lower Upper

77 100

97 25.1 13.0 39.0





#27

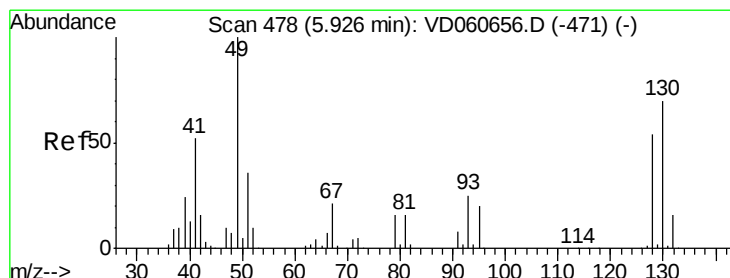
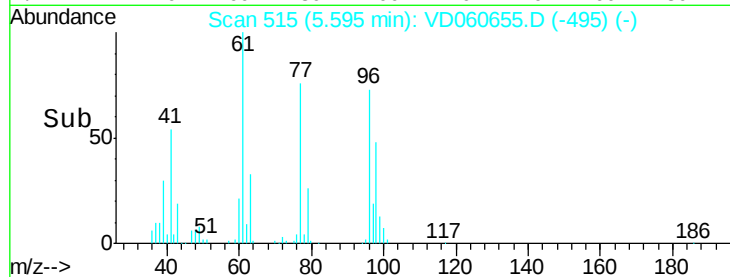
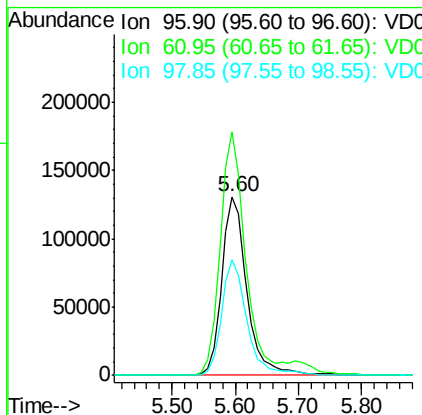
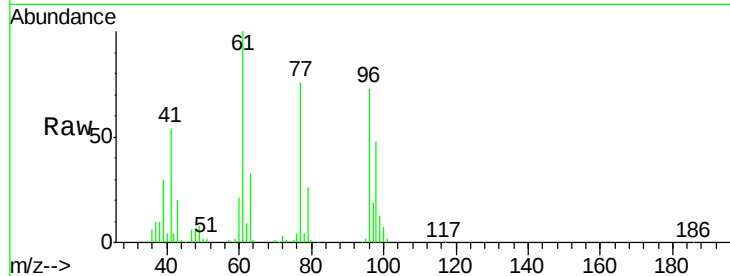
cis-1,2-Dichloroethene
Concen: 20.019 ug/l
RT: 5.60 min Scan# 515
Delta R.T. -0.01 min
Lab File: VD060655.D
Acq: 20 Dec 2018 12:59

Instrument :
MSVOA_D
ClientSampleId :
VSTDIC020

Tgt Ion	Ratio	Resp	Lower	Upper
96	100	362540		
61	136.4	0.0	259.4	
98	64.9	0.0	130.0	

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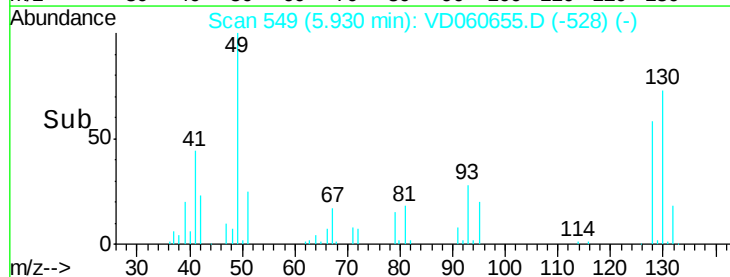
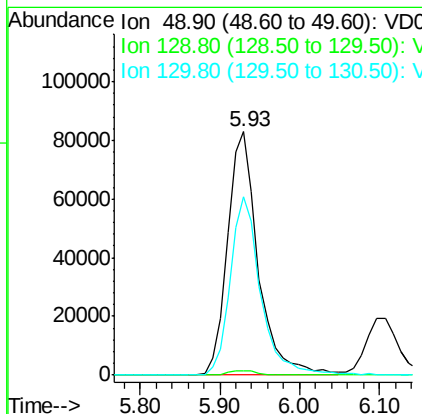
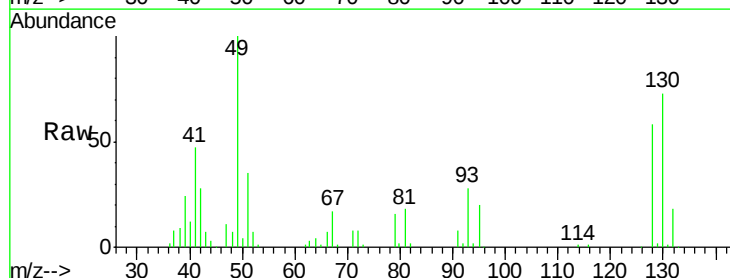
apatel
12/21/2018 11:32:29 AM

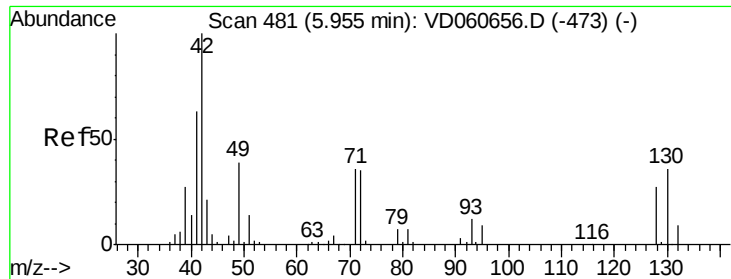


#28

Bromochloromethane
Concen: 18.937 ug/l
RT: 5.93 min Scan# 549
Delta R.T. 0.00 min
Lab File: VD060655.D
Acq: 20 Dec 2018 12:59

Tgt Ion	Ratio	Resp	Lower	Upper
49	100	222906		
129	1.5	0.0	3.4	
130	73.1	56.2	84.2	





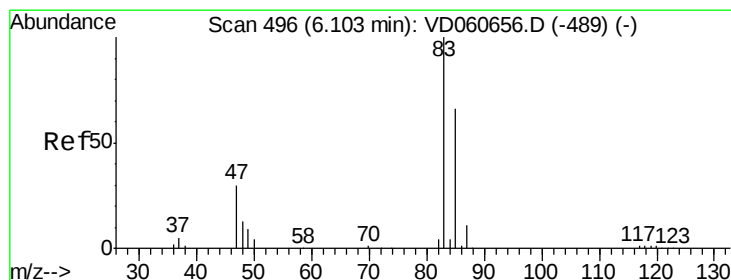
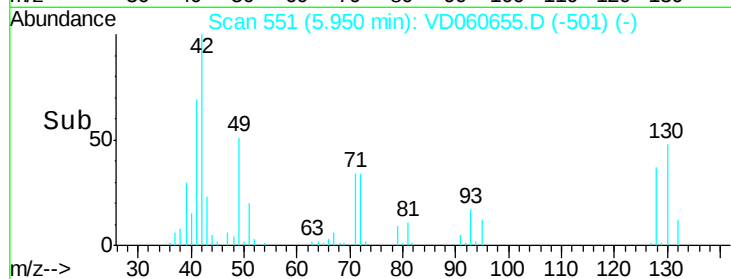
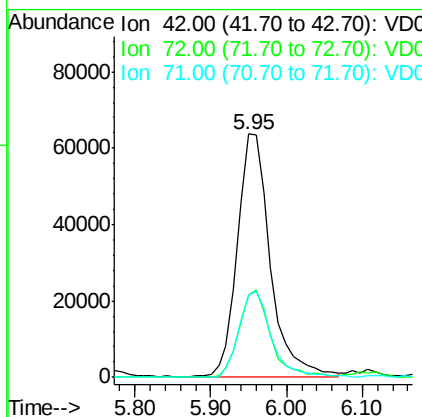
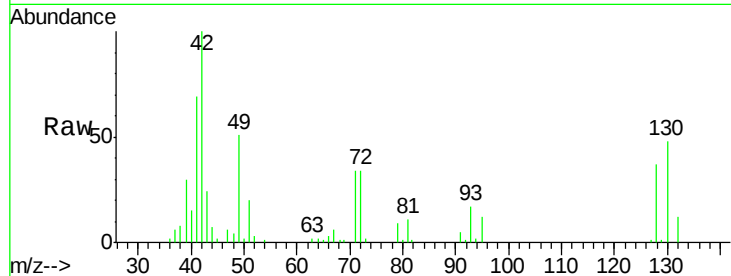
#29
Tetrahydrofuran
Concen: 94.215 ug/l
RT: 5.95 min Scan# 551
Delta R.T. -0.01 min
Lab File: VD060655.D
Acq: 20 Dec 2018 12:59

Instrument :
MSVOA_D
ClientSampleId :
VSTDIC020

Tgt Ion	Ratio	Lower	Upper
42	100		
72	34.2	28.0	42.0
71	34.5	27.0	40.6

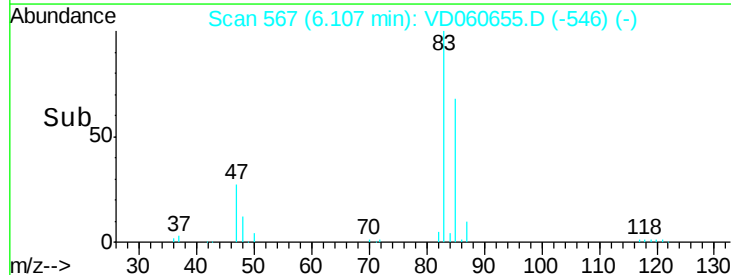
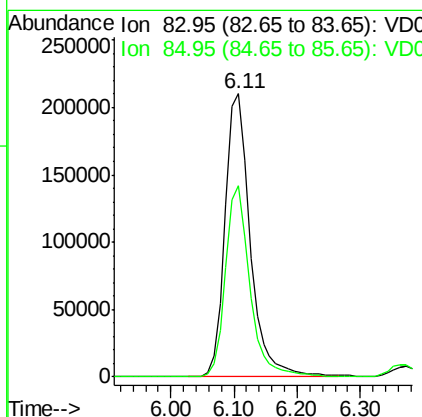
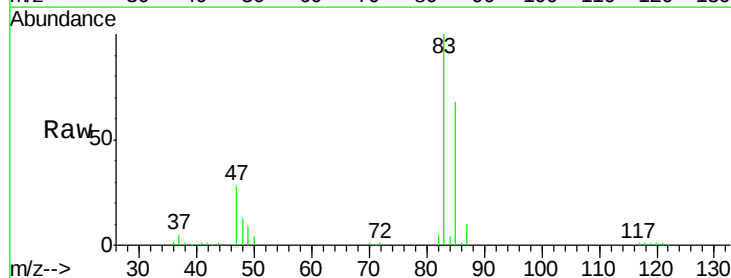
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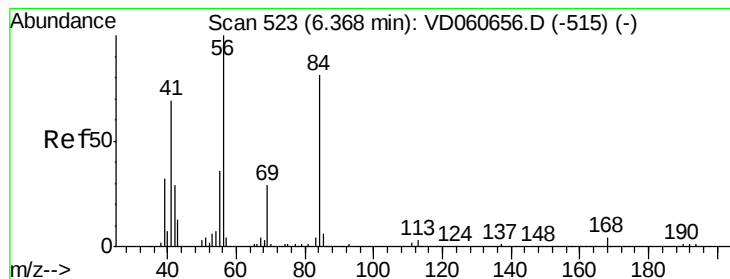
apatel
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#30
Chloroform
Concen: 20.428 ug/l
RT: 6.11 min Scan# 567
Delta R.T. 0.00 min
Lab File: VD060655.D
Acq: 20 Dec 2018 12:59

Tgt Ion	Ratio	Lower	Upper
83	100		
85	67.7	53.0	79.6





#31

Cyclohexane

Concen: 19.247 ug/l

RT: 6.36 min Scan# 593

Delta R.T. -0.01 min

Lab File: VD060655.D

Acq: 20 Dec 2018 12:59

Instrument :

MSVOA_D

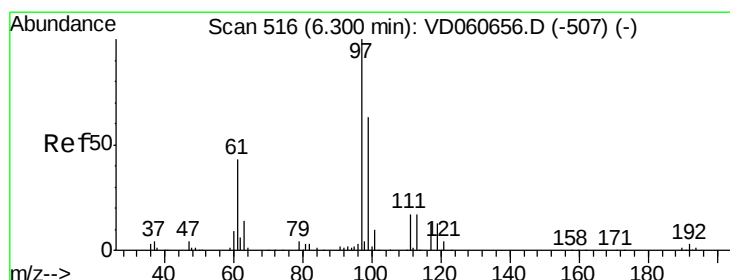
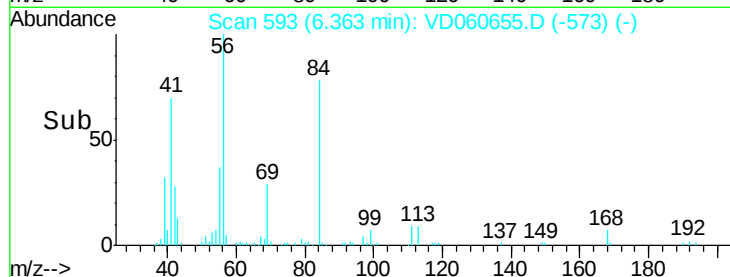
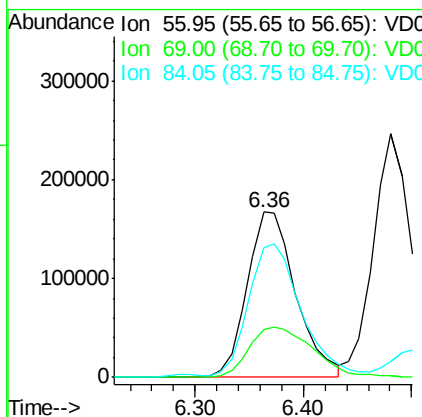
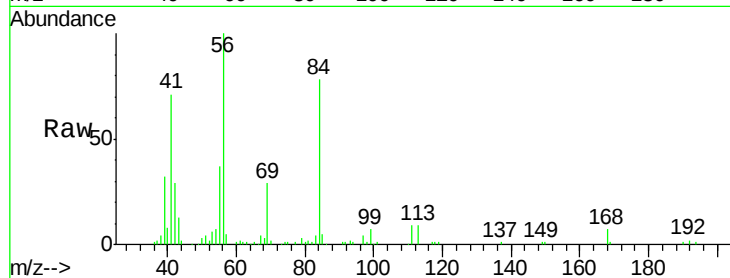
ClientSampleId :

VSTDIC020

Tgt Ion:	56	Resp:	524717
Ion	Ratio	Lower	Upper
56	100		
69	28.8	23.6	35.4
84	78.3	65.8	98.6

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#32

1,1,1-Trichloroethane

Concen: 20.419 ug/l

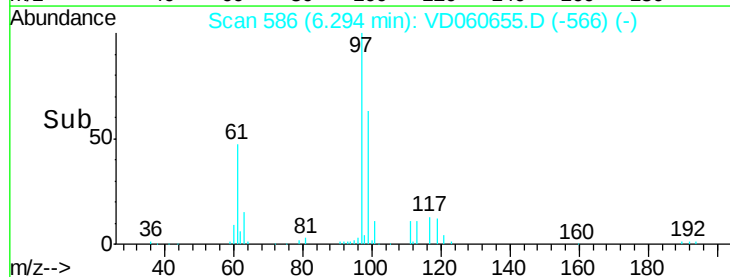
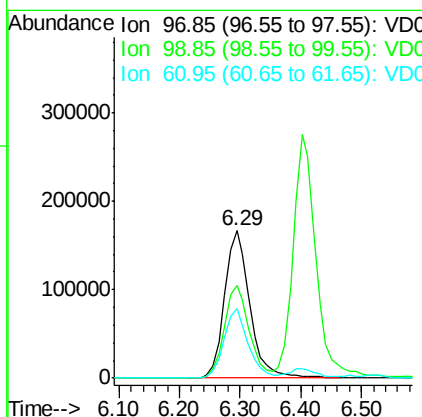
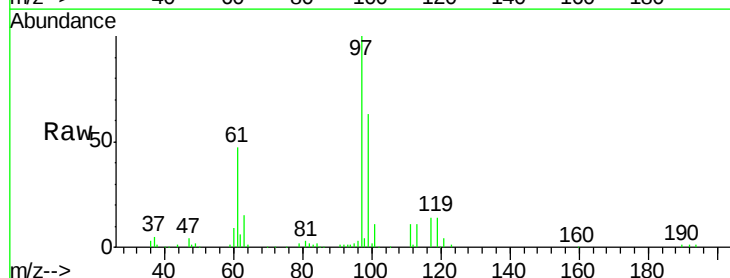
RT: 6.29 min Scan# 586

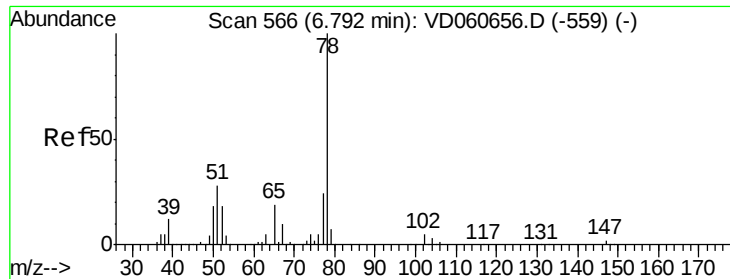
Delta R.T. -0.01 min

Lab File: VD060655.D

Acq: 20 Dec 2018 12:59

Tgt Ion:	97	Resp:	484404
Ion	Ratio	Lower	Upper
97	100		
99	62.9	50.5	75.7
61	47.0	34.6	51.8





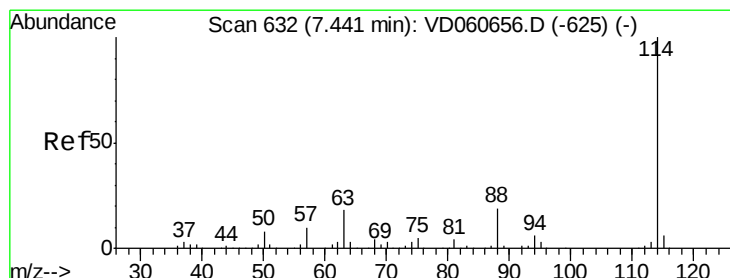
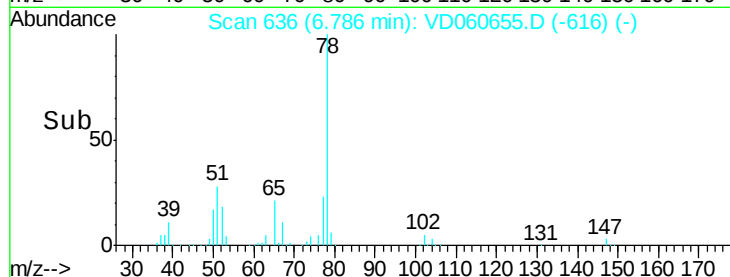
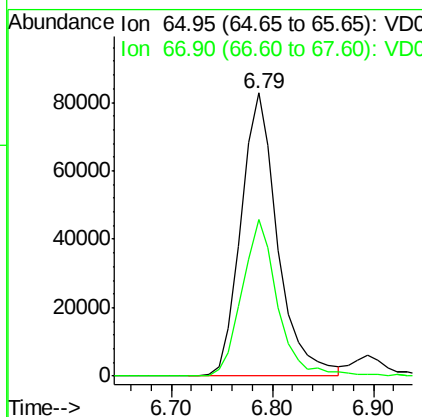
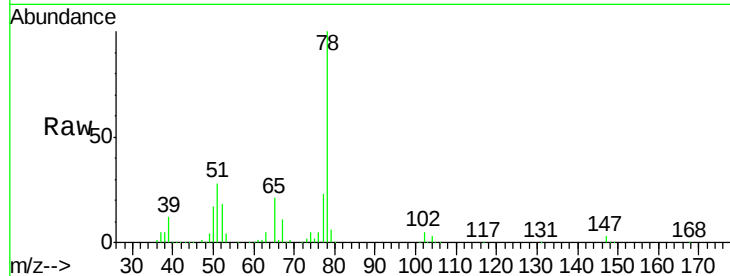
#33
 1,2-Dichloroethane-d4
 Concen: 20.419 ug/l
 RT: 6.79 min Scan# 636
 Delta R.T. -0.01 min
 Lab File: VD060655.D
 Acq: 20 Dec 2018 12:59

Instrument :
 MSVOA_D
 ClientSampleId :
 VSTDIC020

Tgt Ion: 65 Resp: 209048
 Ion Ratio Lower Upper
 65 100
 67 55.2 0.0 105.4

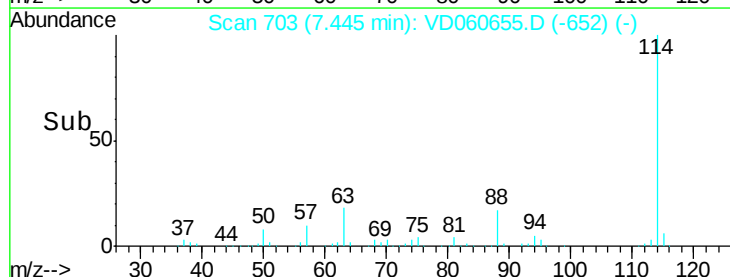
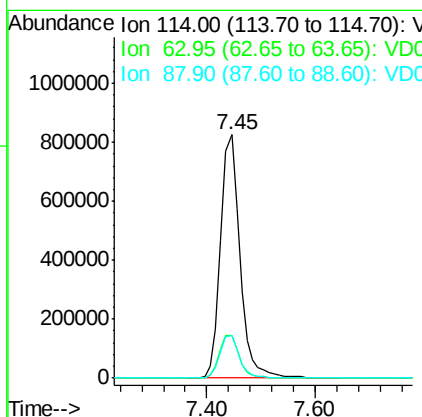
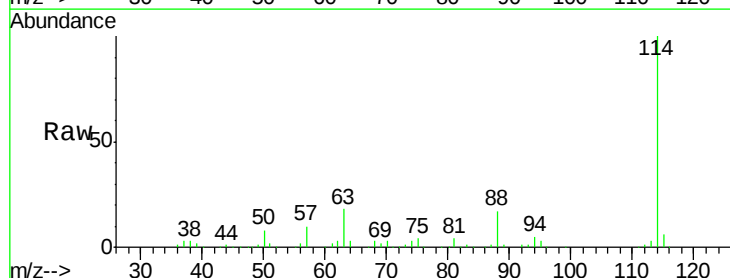
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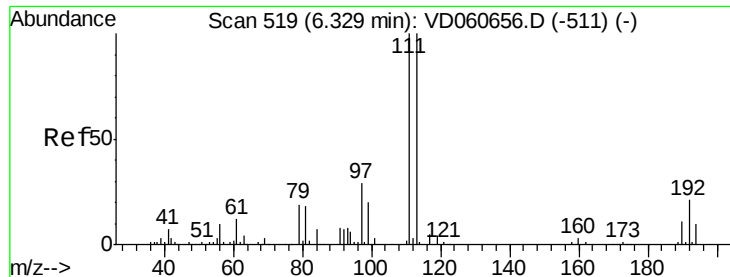
apatel
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#34
 1,4-Difluorobenzene
 Concen: 50.000 ug/l
 RT: 7.45 min Scan# 703
 Delta R.T. 0.00 min
 Lab File: VD060655.D
 Acq: 20 Dec 2018 12:59

Tgt Ion: 114 Resp: 2051906
 Ion Ratio Lower Upper
 114 100
 63 17.7 0.0 36.2
 88 17.5 0.0 37.0





#35

Dibromofluoromethane

Concen: 50.000 ug/l

RT: 6.32 min Scan# 589

Delta R.T. -0.01 min

Lab File: VD060655.D

Acq: 20 Dec 2018 12:59

Instrument :

MSVOA_D

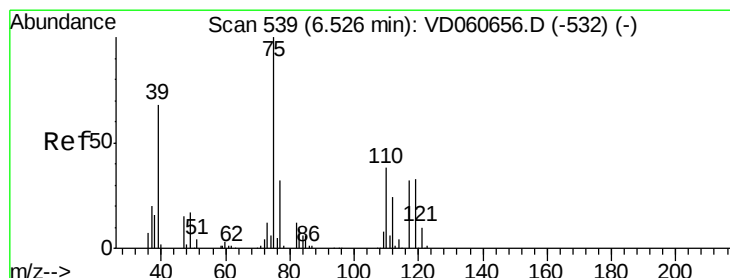
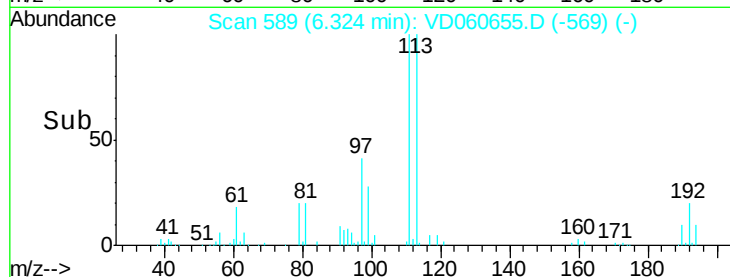
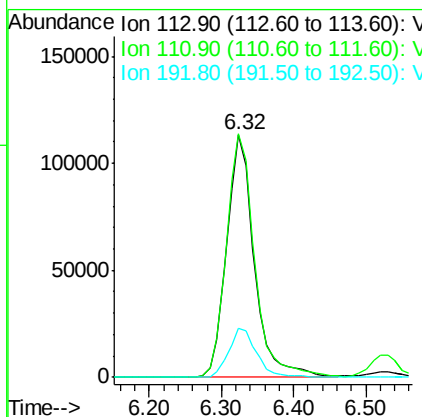
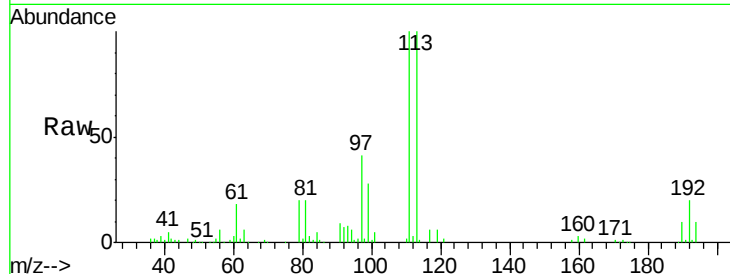
ClientSampleId :

VSTDIC020

Tgt Ion:	113	Resp:	302758
Ion Ratio	Lower	Upper	
113	100		
111	100.3	80.0	120.0
192	20.3	16.6	25.0

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#36

1,1-Dichloropropene

Concen: 20.327 ug/l

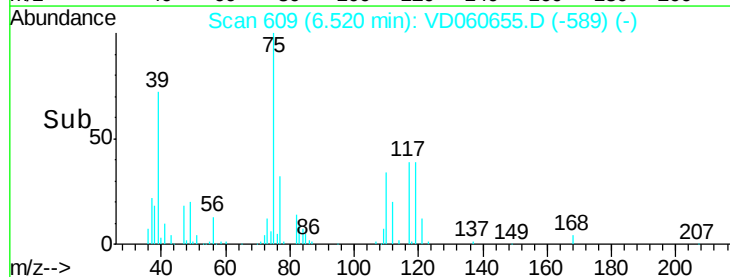
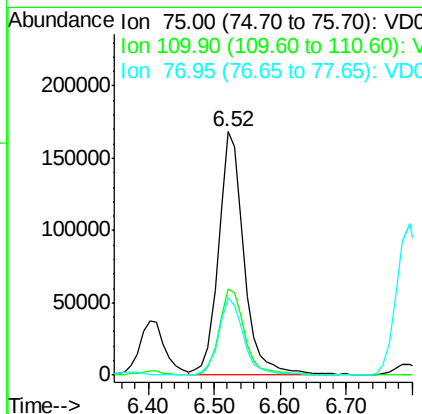
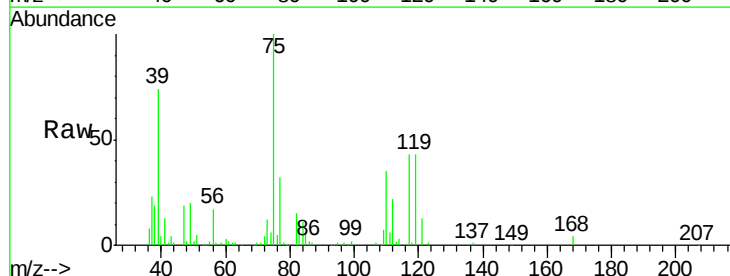
RT: 6.52 min Scan# 609

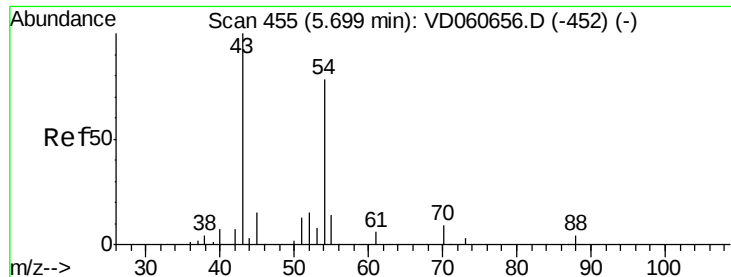
Delta R.T. -0.01 min

Lab File: VD060655.D

Acq: 20 Dec 2018 12:59

Tgt Ion:	75	Resp:	445288
Ion Ratio	Lower	Upper	
75	100		
110	35.3	18.9	56.7
77	31.8	25.4	38.0





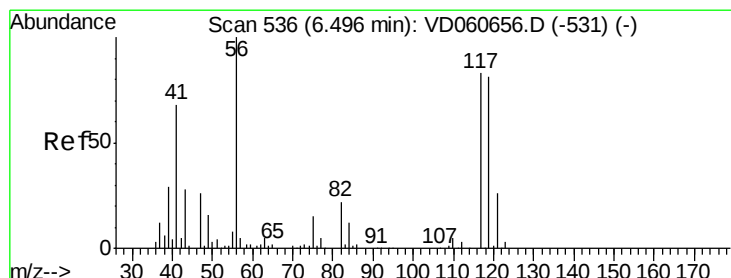
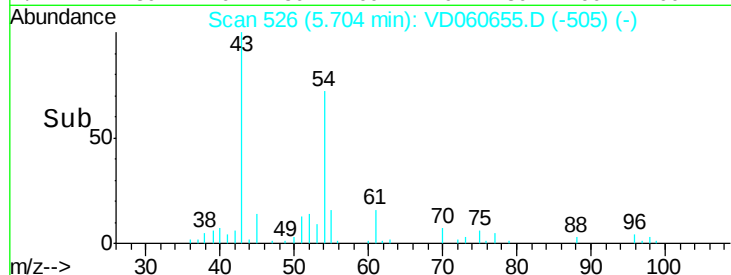
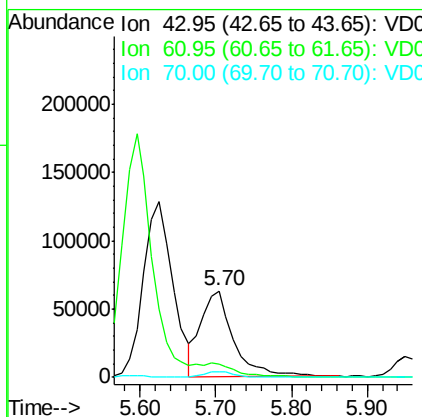
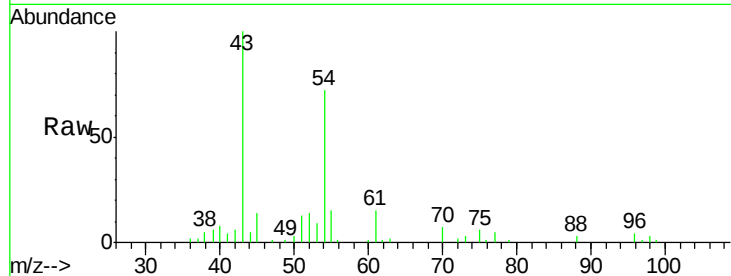
#37
Ethyl Acetate
 Concen: 20.546 ug/l
 RT: 5.70 min Scan# 526
 Delta R.T. 0.00 min
 Lab File: VD060655.D
 Acq: 20 Dec 2018 12:59

Instrument :
 MSVOA_D
 ClientSampleId :
 VSTDIC020

Tgt Ion: 43 Resp: 185782
 Ion Ratio Lower Upper
 43 100
 61 15.5 11.8 17.6
 70 7.1 5.8 8.6

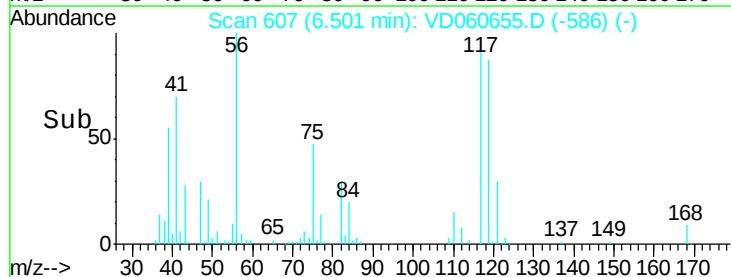
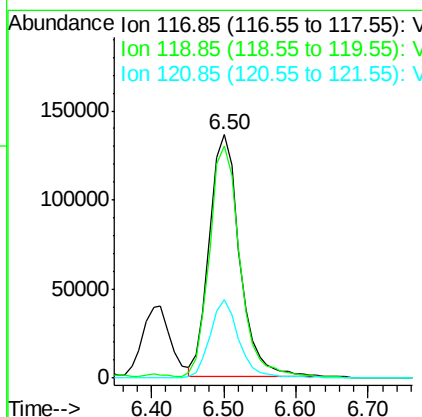
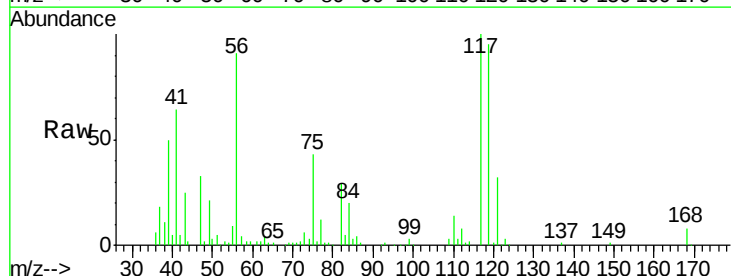
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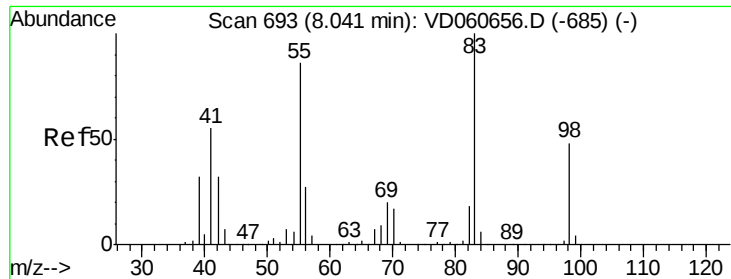
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#38
Carbon Tetrachloride
 Concen: 20.122 ug/l
 RT: 6.50 min Scan# 607
 Delta R.T. 0.00 min
 Lab File: VD060655.D
 Acq: 20 Dec 2018 12:59

Tgt Ion: 117 Resp: 397657
 Ion Ratio Lower Upper
 117 100
 119 95.4 77.0 115.4
 121 32.2 24.7 37.1





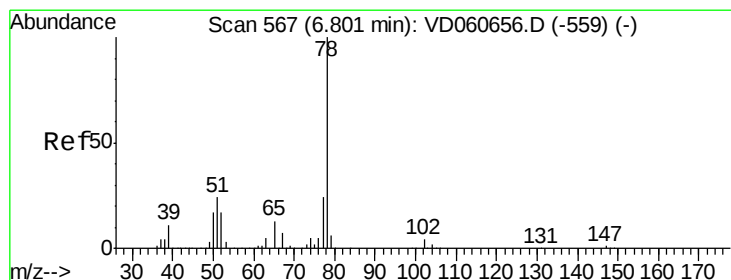
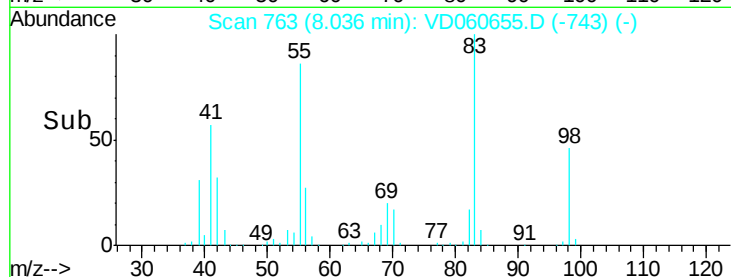
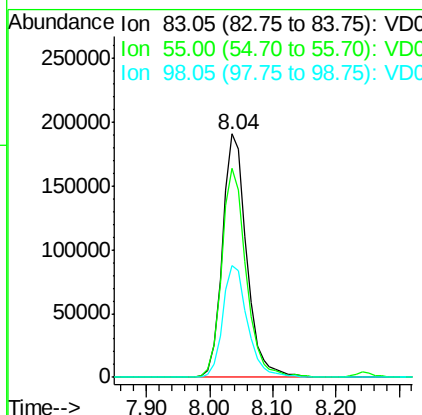
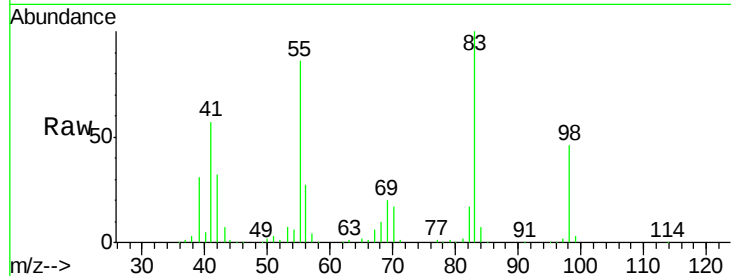
#39
Methylcyclohexane
Concen: 19.772 ug/l
RT: 8.04 min Scan# 763
Delta R.T. -0.01 min
Lab File: VD060655.D
Acq: 20 Dec 2018 12:59

Instrument :
MSVOA_D
ClientSampleId :
VSTDIC020

Tgt Ion: 83 Resp: 508026
Ion Ratio Lower Upper
83 100
55 85.7 68.6 102.8
98 46.2 38.1 57.1

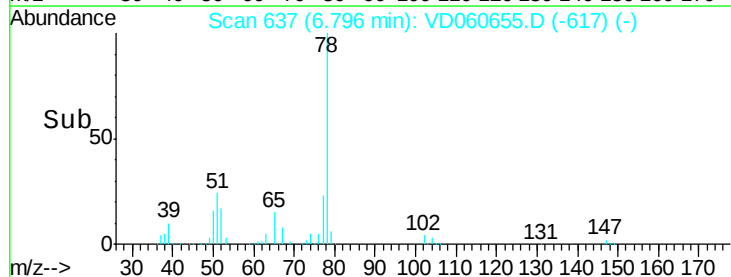
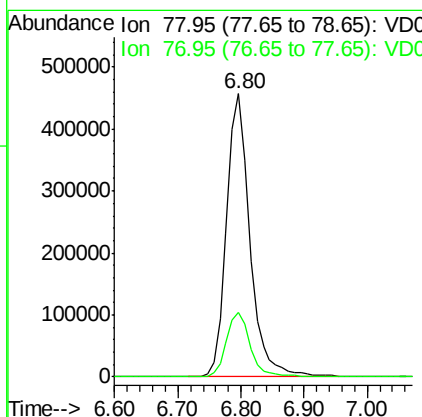
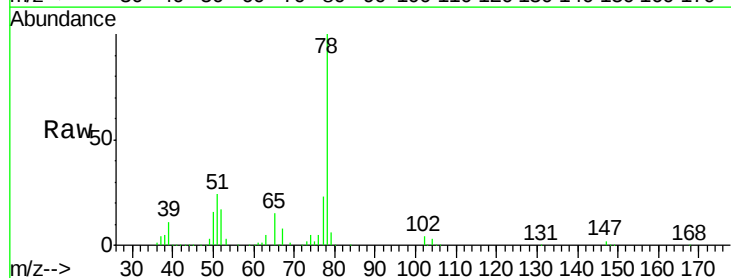
Manual Integrations
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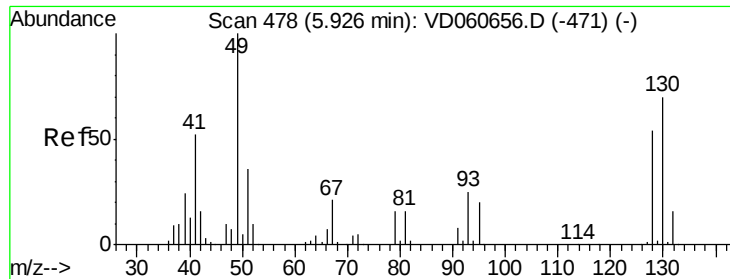
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#40
Benzene
Concen: 20.661 ug/l
RT: 6.80 min Scan# 637
Delta R.T. -0.01 min
Lab File: VD060655.D
Acq: 20 Dec 2018 12:59

Tgt Ion: 78 Resp: 1174357
Ion Ratio Lower Upper
78 100
77 22.9 19.2 28.8





#41

Methacrylonitrile

Concen: 16.638 ug/l m

RT: 5.92 min Scan# 548

Delta R.T. -0.01 min

Lab File: VD060655.D

Acq: 20 Dec 2018 12:59

Instrument :

MSVOA_D

ClientSampleId :

VSTDIC020

Tgt Ion: 41 Resp: 89149
Ion Ratio Lower Upper

41 100

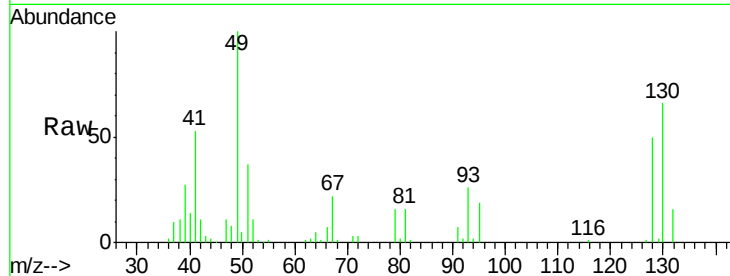
39 51.3 37.6 56.4

67 41.6 33.0 49.6

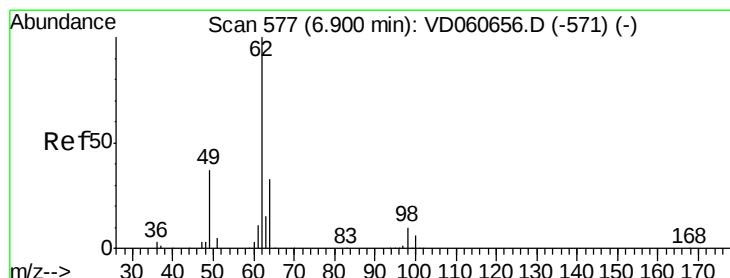
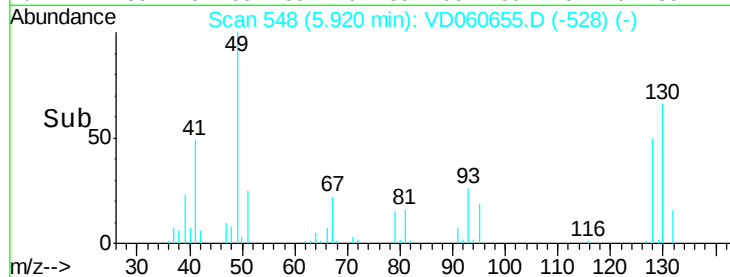
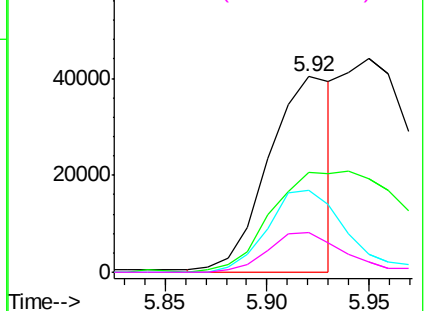
52 20.5 15.5 23.3

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Abundance Ion 40.95 (40.65 to 41.65): VDC
Ion 38.95 (38.65 to 39.65): VDC
Ion 67.00 (66.70 to 67.70): VDC
Ion 52.00 (51.70 to 52.70): VDC



#42

1,2-Dichloroethane

Concen: 20.358 ug/l

RT: 6.89 min Scan# 647

Delta R.T. -0.01 min

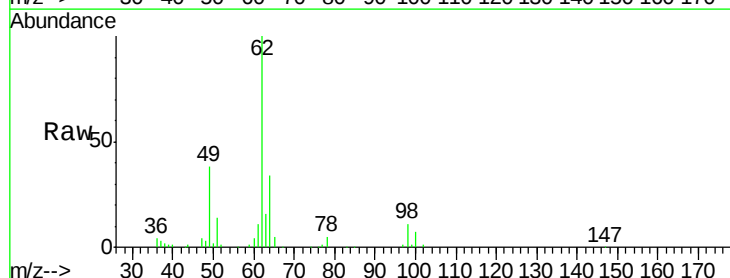
Lab File: VD060655.D

Acq: 20 Dec 2018 12:59

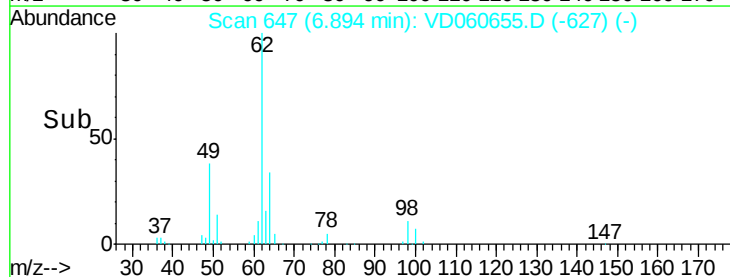
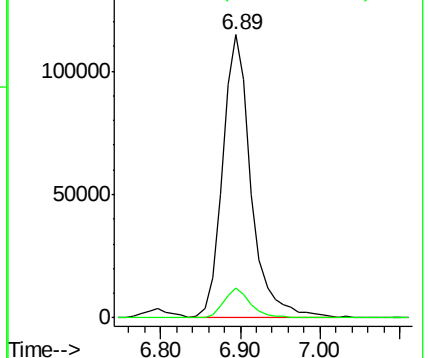
Tgt Ion: 62 Resp: 287588
Ion Ratio Lower Upper

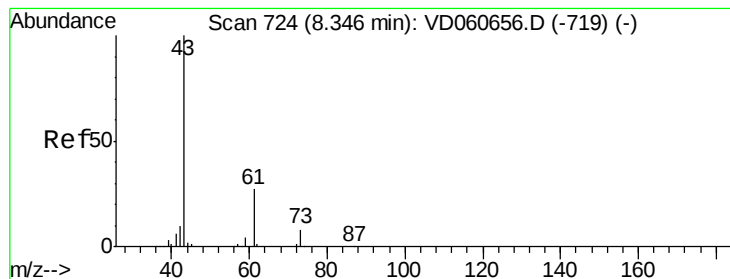
62 100

98 10.6 0.0 20.4



Abundance Ion 61.95 (61.65 to 62.65): VDC
Ion 97.85 (97.55 to 98.55): VDC





#43

Isopropyl Acetate

Concen: 18.159 ug/l

RT: 8.35 min Scan# 795

Delta R.T. 0.00 min

Lab File: VD060655.D

Acq: 20 Dec 2018 12:59

Instrument :

MSVOA_D

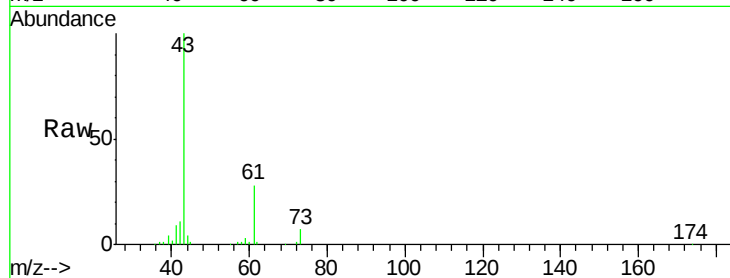
ClientSampleId :

VSTDIC020

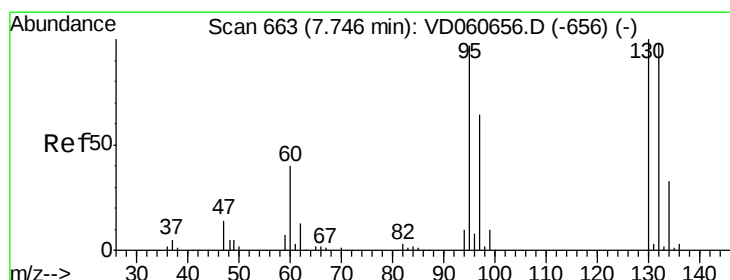
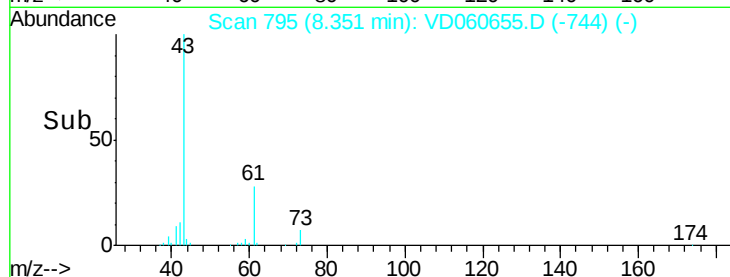
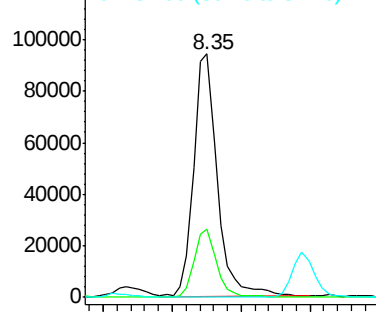
Tgt Ion:	43	Resp:	222983
Ion	Ratio	Lower	Upper
43	100		
61	27.9	21.8	32.8
87	0.0	0.2	0.4

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Abundance Ion 42.95 (42.65 to 43.65): VDC
Ion 60.95 (60.65 to 61.65): VDC
Ion 87.00 (86.70 to 87.70): VDC



#44

Trichloroethene

Concen: 20.327 ug/l

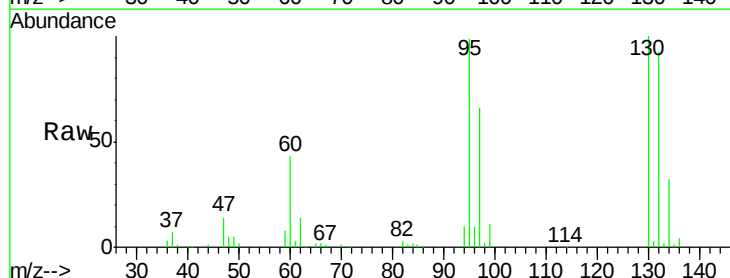
RT: 7.74 min Scan# 733

Delta R.T. -0.01 min

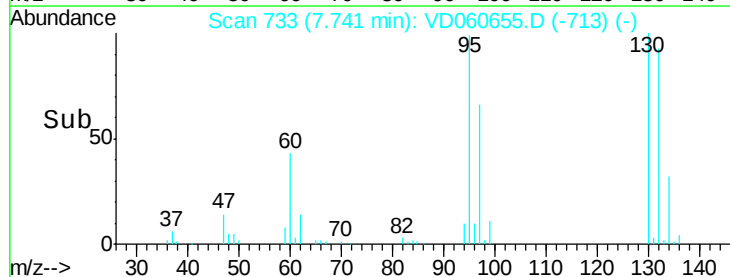
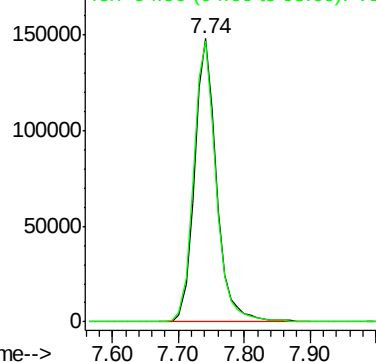
Lab File: VD060655.D

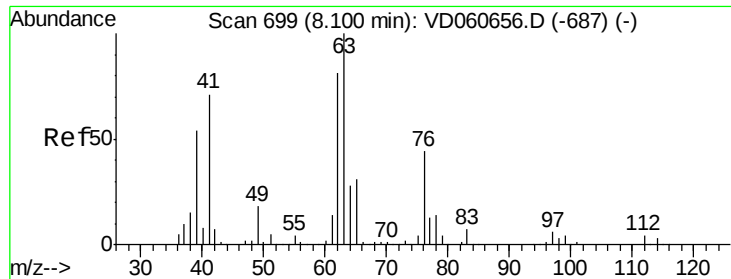
Acq: 20 Dec 2018 12:59

Tgt Ion:	130	Resp:	345729
Ion	Ratio	Lower	Upper
130	100		
95	99.3	0.0	193.6



Abundance Ion 129.80 (129.50 to 130.50): VDC
Ion 94.90 (94.60 to 95.60): VDC





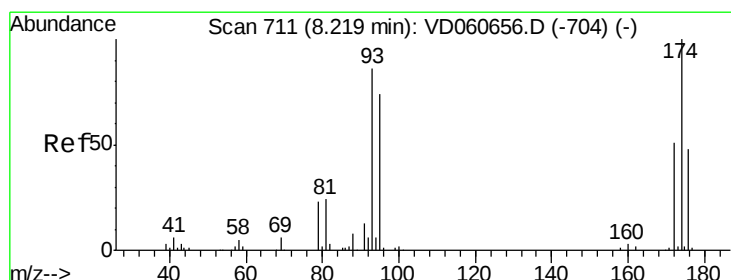
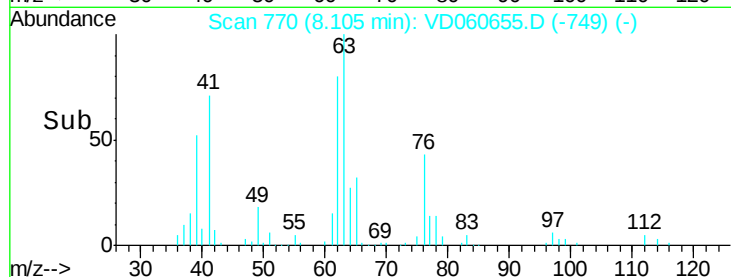
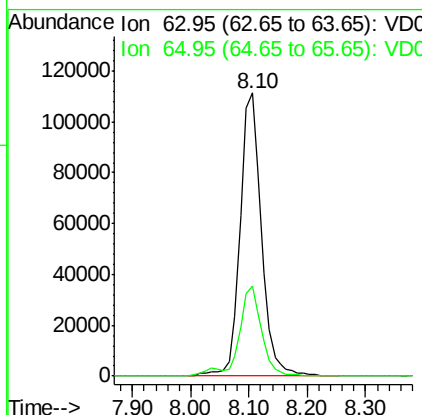
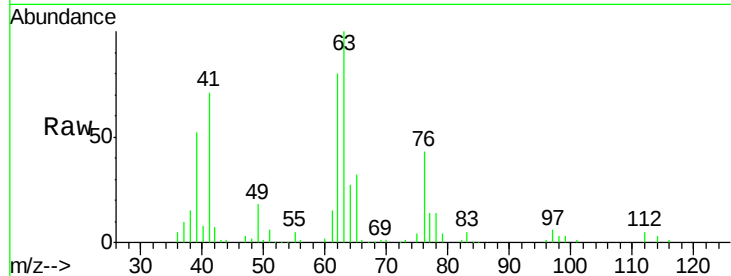
#45
1,2-Dichloropropane
Concen: 20.541 ug/l
RT: 8.10 min Scan# 770
Delta R.T. 0.00 min
Lab File: VD060655.D
Acq: 20 Dec 2018 12:59

Instrument :
MSVOA_D
ClientSampleId :
VSTDIC020

Tgt Ion: 63 Resp: 283564
Ion Ratio Lower Upper
63 100
65 31.7 25.0 37.6

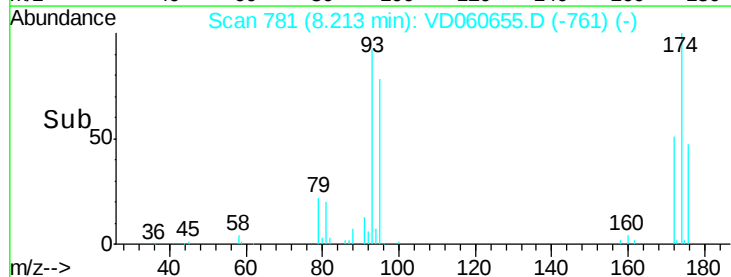
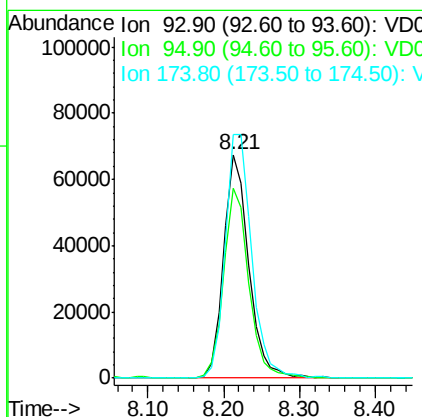
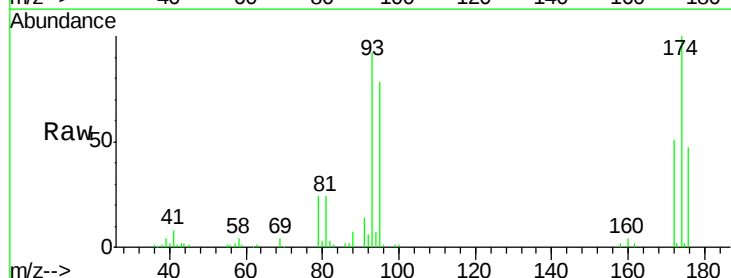
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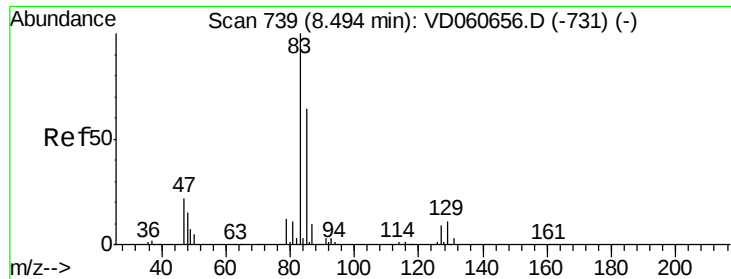
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#46
Dibromomethane
Concen: 19.425 ug/l
RT: 8.21 min Scan# 781
Delta R.T. -0.01 min
Lab File: VD060655.D
Acq: 20 Dec 2018 12:59

Tgt Ion: 93 Resp: 155523
Ion Ratio Lower Upper
93 100
95 85.0 68.8 103.2
174 108.8 93.0 139.4





#47

Bromodichloromethane

Concen: 19.468 ug/l

RT: 8.49 min Scan# 809

Delta R.T. -0.01 min

Lab File: VD060655.D

Acq: 20 Dec 2018 12:59

Instrument :

MSVOA_D

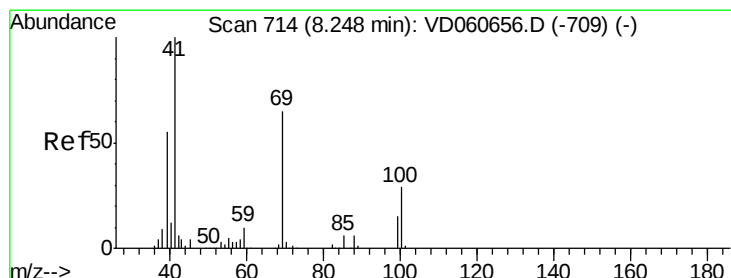
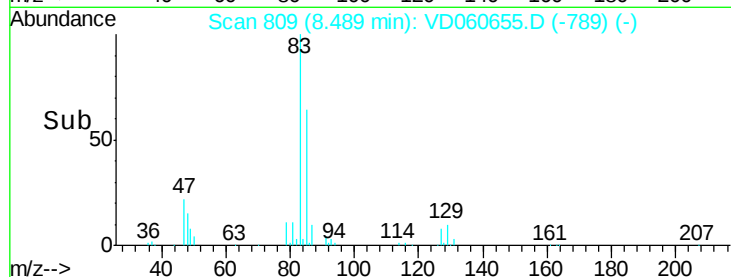
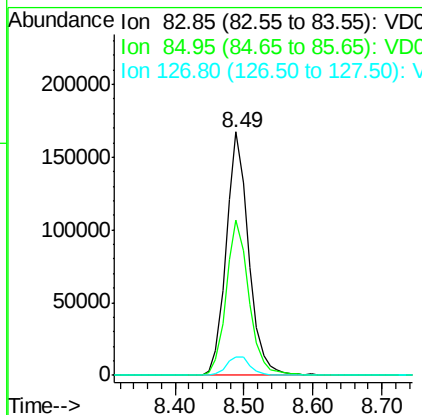
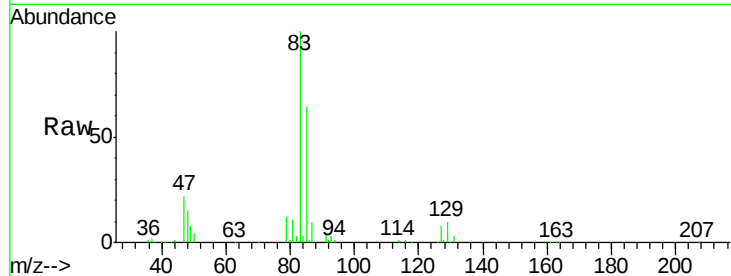
ClientSampleId :

VSTDIC020

Tgt Ion:	83	Resp:	376860
Ion	Ratio	Lower	Upper
83	100		
85	64.0	51.1	76.7
127	7.7	7.0	10.6

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#48

Methyl methacrylate

Concen: 18.350 ug/l

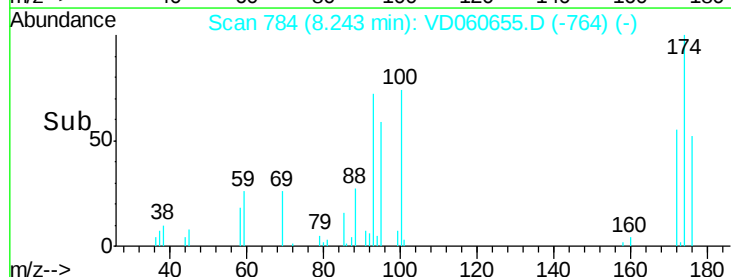
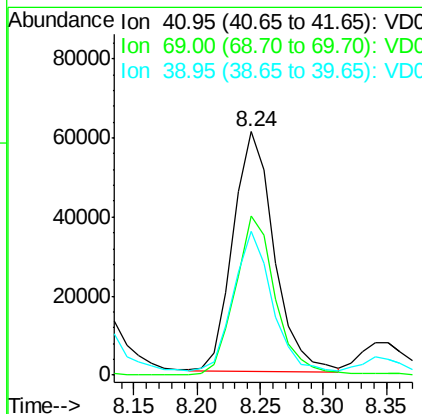
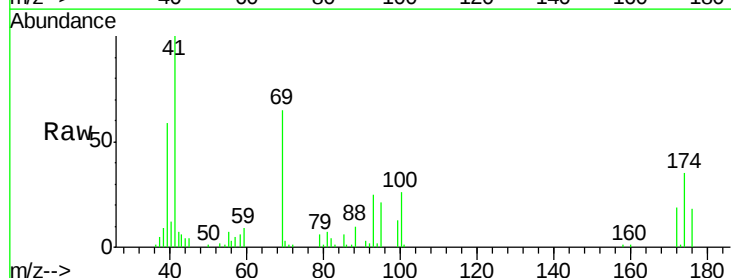
RT: 8.24 min Scan# 784

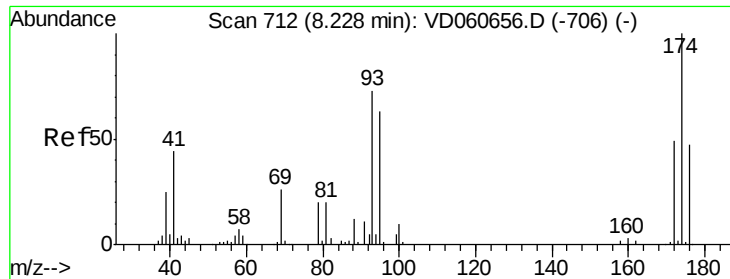
Delta R.T. -0.01 min

Lab File: VD060655.D

Acq: 20 Dec 2018 12:59

Tgt Ion:	41	Resp:	137164
Ion	Ratio	Lower	Upper
41	100		
69	65.4	51.2	76.8
39	58.9	44.6	67.0





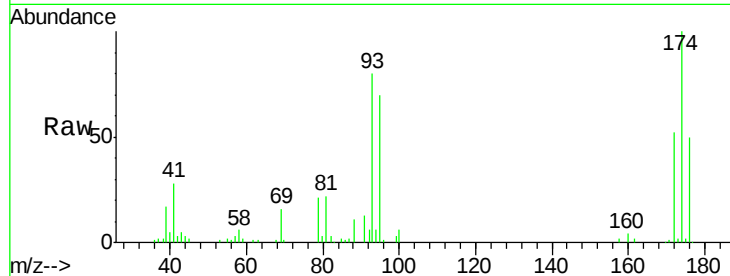
#49
1,4-Dioxane
Concen: 355.754 ug/l
RT: 8.22 min Scan# 782
Delta R.T. -0.01 min
Lab File: VD060655.D
Acq: 20 Dec 2018 12:59

Instrument :
MSVOA_D
ClientSampleId :
VSTDIC020

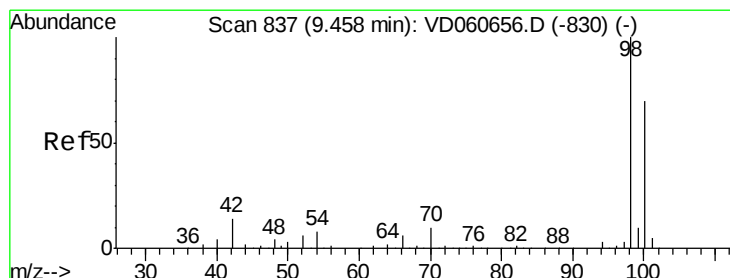
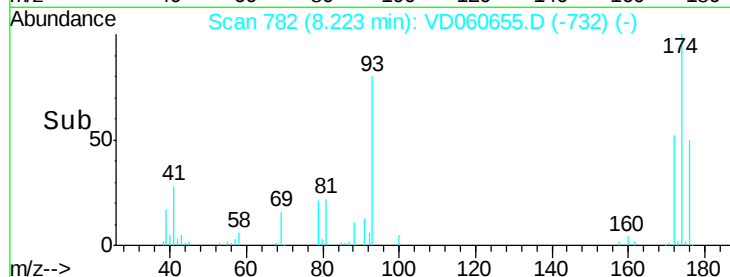
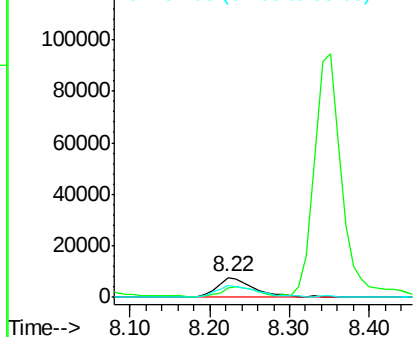
Tgt Ion	Ratio	Resp	Lower	Upper
88	100	24899		
43	44.6	31.5	47.3	
58	60.3	50.6	76.0	

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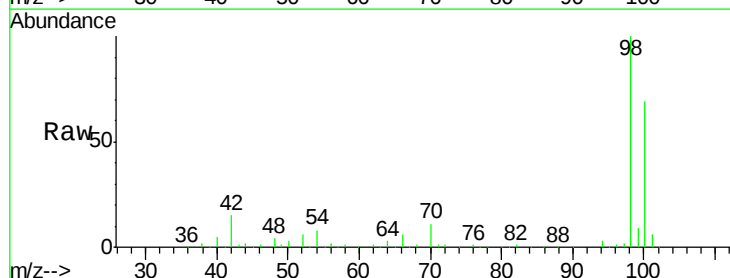


Abundance Ion 88.00 (87.70 to 88.70): VDC
Ion 43.05 (42.75 to 43.75): VDC
Ion 57.95 (57.65 to 58.65): VDC

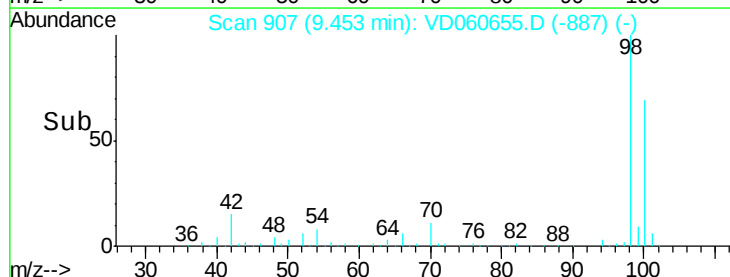
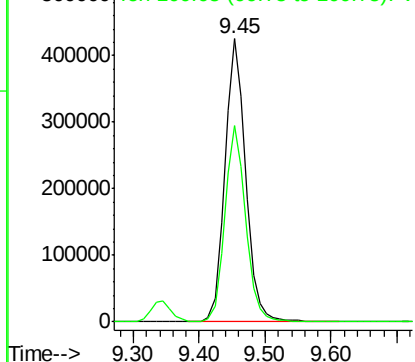


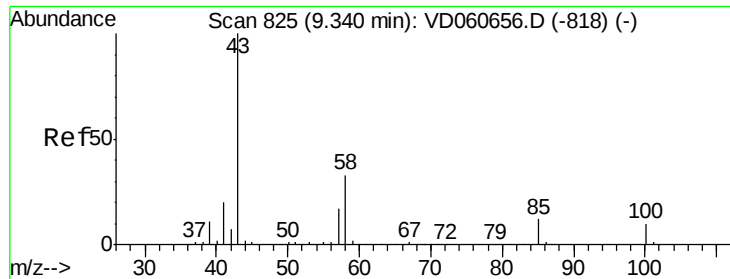
#50
Toluene-d8
Concen: 355.754 ug/l
RT: 9.45 min Scan# 907
Delta R.T. -0.01 min
Lab File: VD060655.D
Acq: 20 Dec 2018 12:59

Tgt Ion	Ratio	Resp	Lower	Upper
98	100	940022		
100	69.2	55.8	83.8	



Abundance Ion 98.05 (97.75 to 98.75): VDC
Ion 100.05 (99.75 to 100.75): VDC





#51

4-Methyl-2-Pentanone

Concen: 96.769 ug/l

RT: 9.33 min Scan# 895

Delta R.T. -0.01 min

Lab File: VD060655.D

Acq: 20 Dec 2018 12:59

Instrument :

MSVOA_D

ClientSampleId :

VSTDIC020

Tgt Ion: 43 Resp: 728788

Ion Ratio Lower Upper

43 100

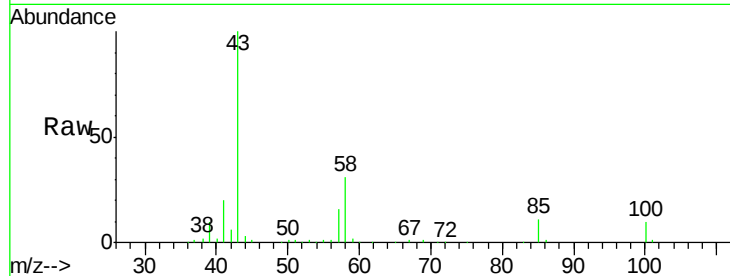
58 30.7 26.3 39.5

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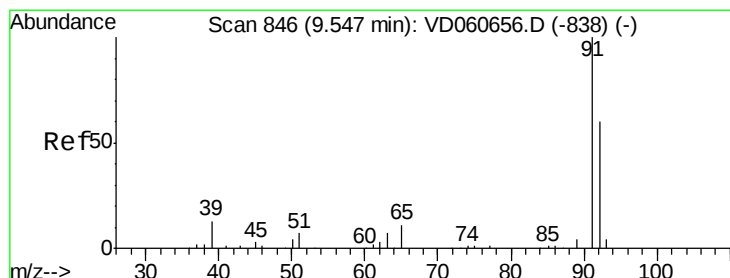
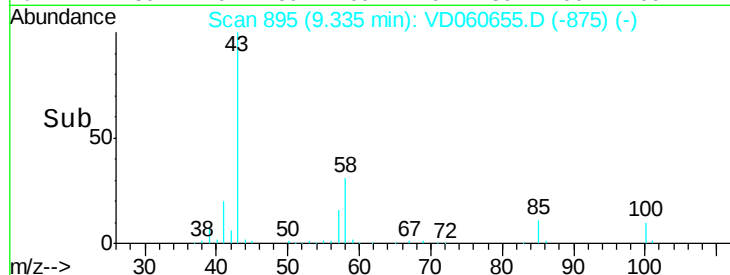
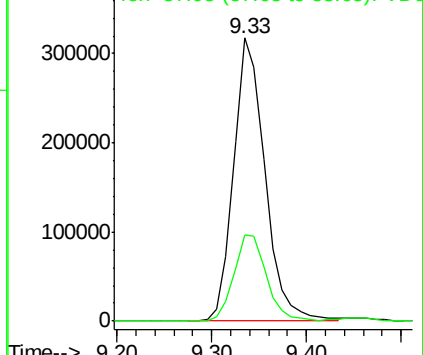
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Abundance Ion 42.95 (42.65 to 43.65): VDC

Ion 57.95 (57.65 to 58.65): VDC



#52

Toluene

Concen: 20.417 ug/l

RT: 9.55 min Scan# 917

Delta R.T. 0.00 min

Lab File: VD060655.D

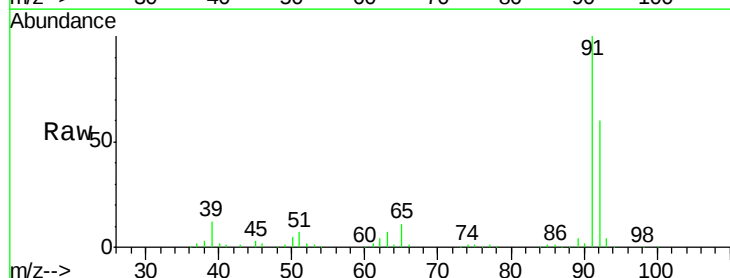
Acq: 20 Dec 2018 12:59

Tgt Ion: 92 Resp: 736998

Ion Ratio Lower Upper

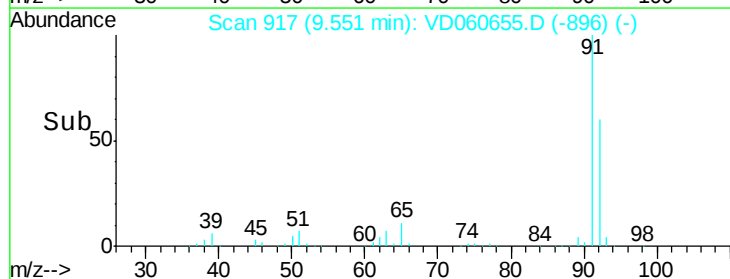
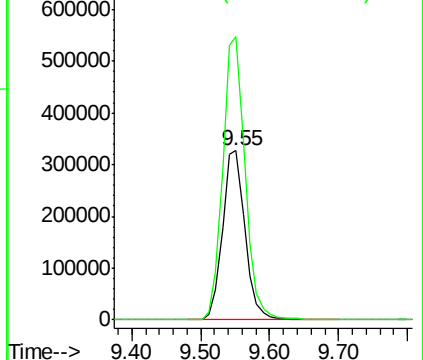
92 100

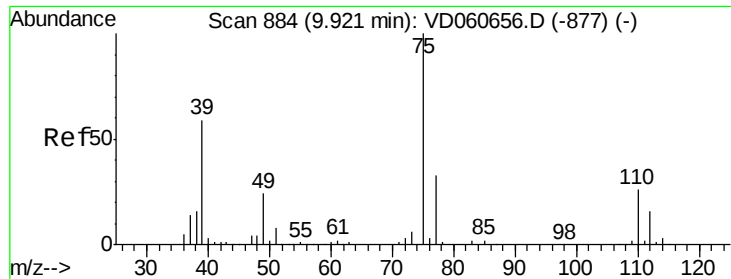
91 167.4 132.6 199.0



Abundance Ion 92.00 (91.70 to 92.70): VDC

Ion 91.00 (90.70 to 91.70): VDC





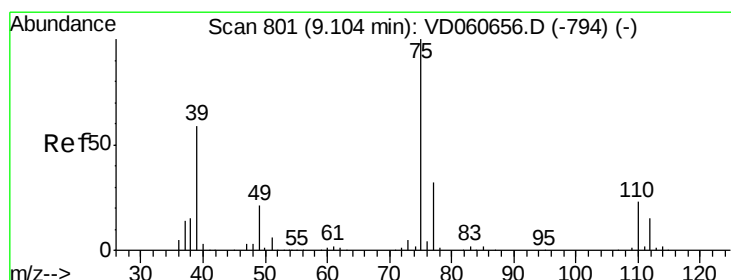
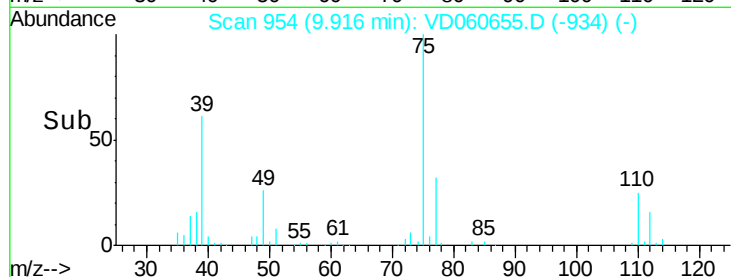
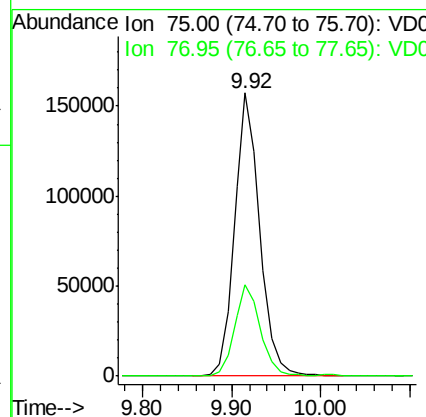
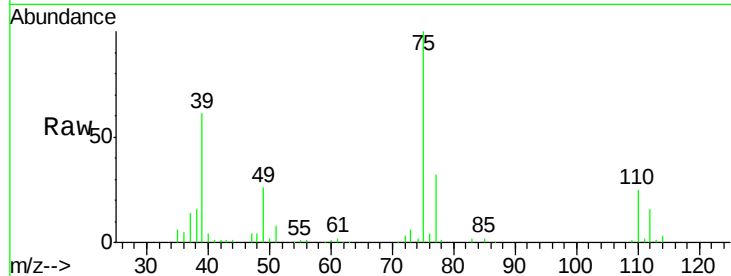
#53
t-1,3-Dichloropropene
Concen: 18.878 ug/l
RT: 9.92 min Scan# 954
Delta R.T. -0.01 min
Lab File: VD060655.D
Acq: 20 Dec 2018 12:59

Instrument :
MSVOA_D
ClientSampleId :
VSTDIC020

Tgt Ion: 75 Resp: 310280
Ion Ratio Lower Upper
75 100
77 32.2 26.0 39.0

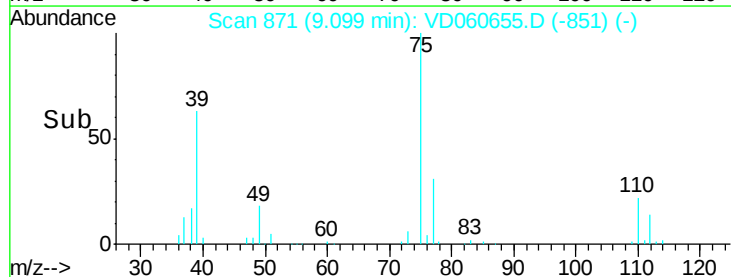
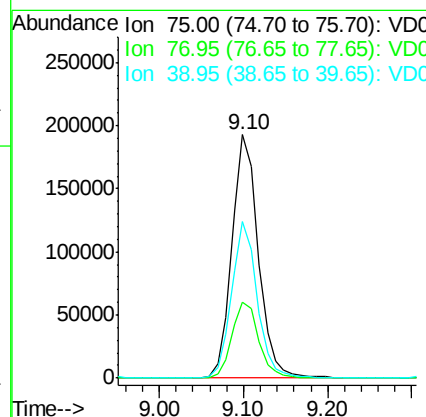
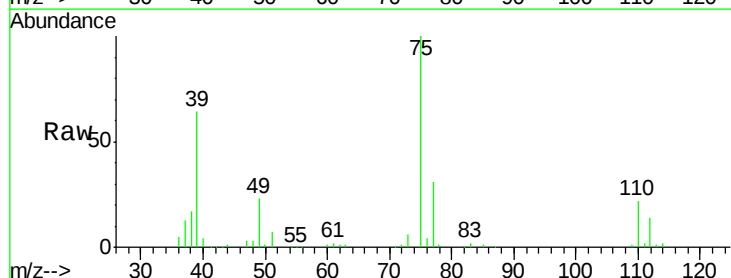
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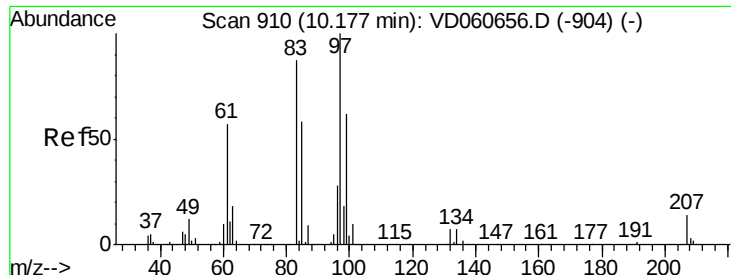
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#54
cis-1,3-Dichloropropene
Concen: 19.497 ug/l
RT: 9.10 min Scan# 871
Delta R.T. -0.01 min
Lab File: VD060655.D
Acq: 20 Dec 2018 12:59

Tgt Ion: 75 Resp: 418870
Ion Ratio Lower Upper
75 100
77 31.2 25.4 38.2
39 64.4 47.0 70.4





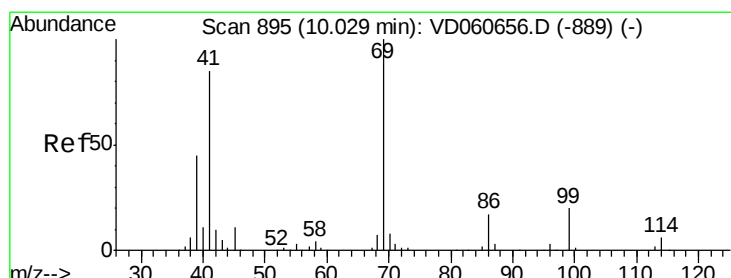
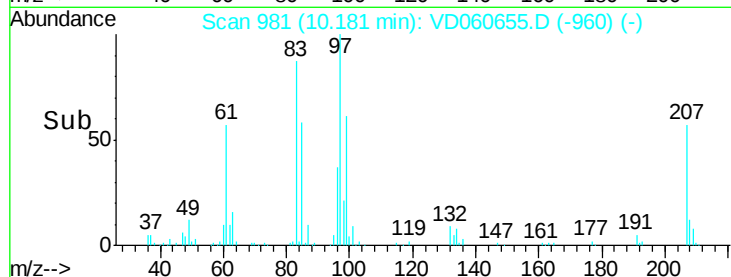
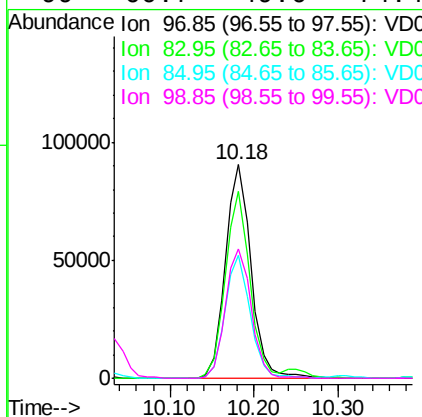
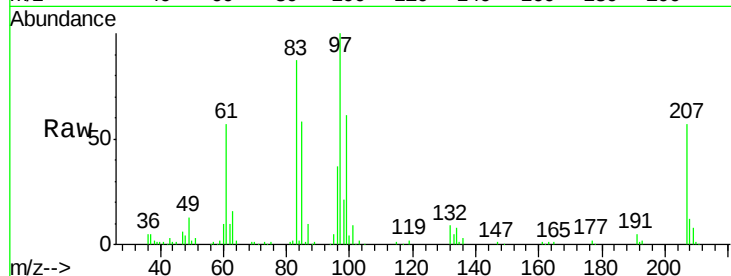
#55
 1,1,2-Trichloroethane
 Concen: 19.916 ug/l
 RT: 10.18 min Scan# 981
 Delta R.T. 0.00 min
 Lab File: VD060655.D
 Acq: 20 Dec 2018 12:59

Instrument :
 MSVOA_D
 ClientSampleId :
 VSTDIC020

Tgt Ion	Ratio	Resp	Lower	Upper
97	100	190646		
83	87.4	70.0	105.0	
85	57.7	46.6	70.0	
99	60.7	49.6	74.4	

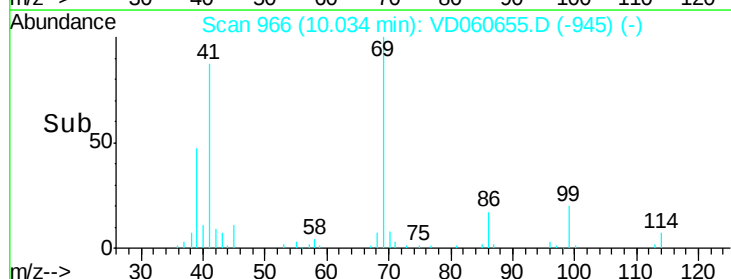
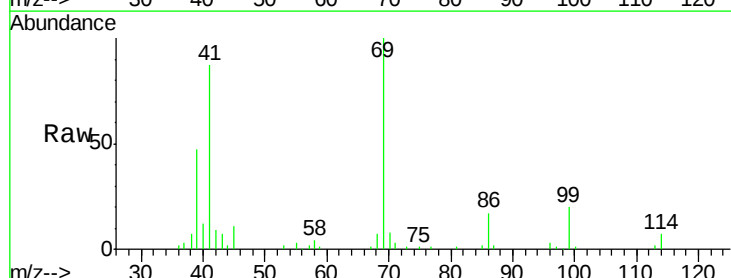
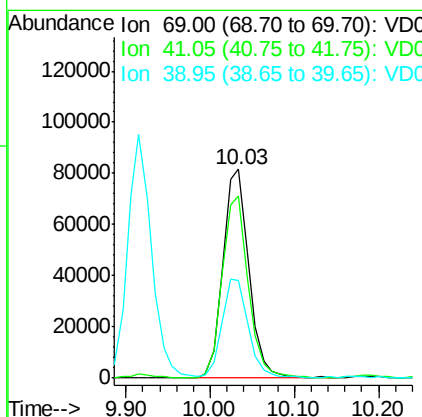
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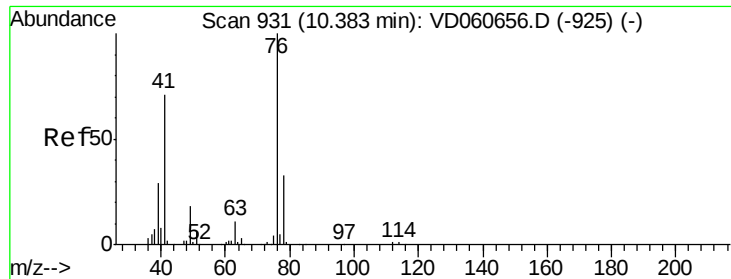
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#56
 Ethyl methacrylate
 Concen: 17.831 ug/l
 RT: 10.03 min Scan# 966
 Delta R.T. 0.00 min
 Lab File: VD060655.D
 Acq: 20 Dec 2018 12:59

Tgt Ion	Ratio	Resp	Lower	Upper
69	100	174602		
41	87.2	68.3	102.5	
39	46.8	37.2	55.8	





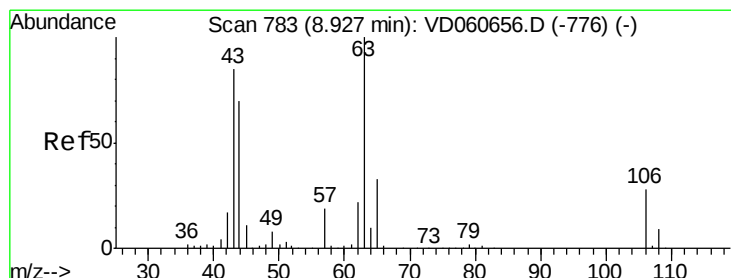
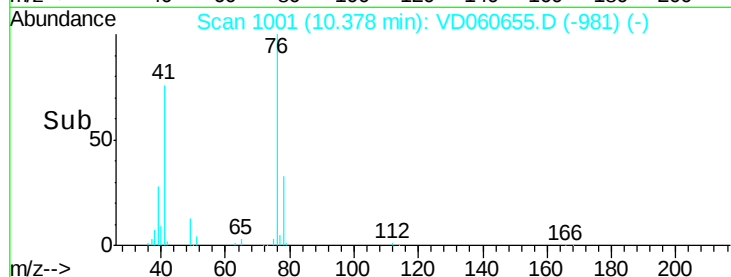
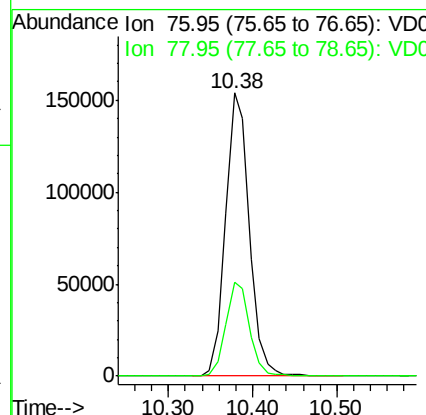
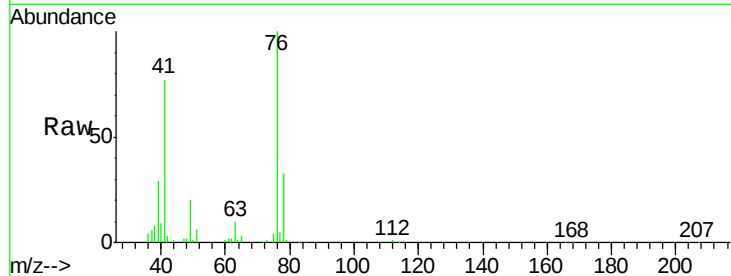
#57
 1,3-Dichloropropane
 Concen: 19.665 ug/l
 RT: 10.38 min Scan# 1001
 Delta R.T. -0.01 min
 Lab File: VD060655.D
 Acq: 20 Dec 2018 12:59

Instrument :
 MSVOA_D
 ClientSampleId :
 VSTDIC020

Tgt Ion: 76 Resp: 300211
 Ion Ratio Lower Upper
 76 100
 78 33.3 26.1 39.1

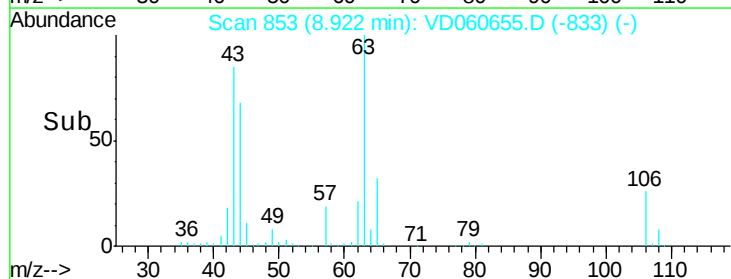
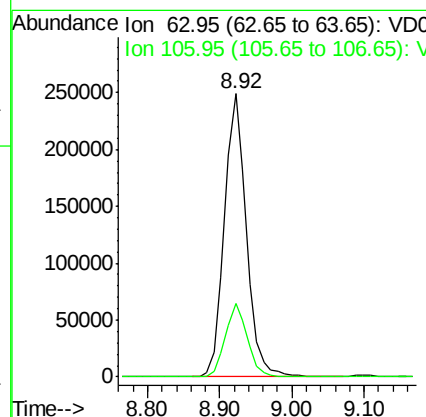
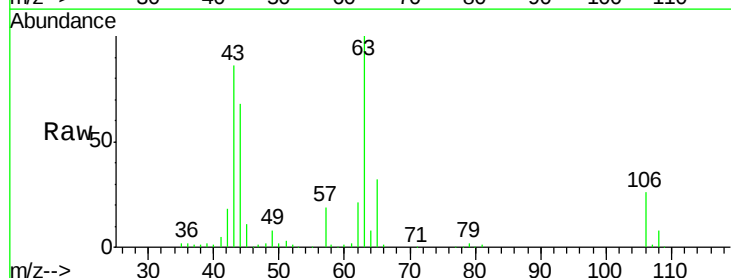
Manual Integrations
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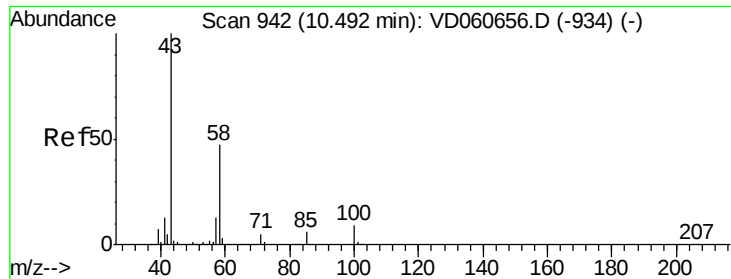
apatel
 12/21/2018 11:32:29 AM



#58
 2-Chloroethyl Vinyl ether
 Concen: 100.896 ug/l
 RT: 8.92 min Scan# 853
 Delta R.T. -0.01 min
 Lab File: VD060655.D
 Acq: 20 Dec 2018 12:59

Tgt Ion: 63 Resp: 521321
 Ion Ratio Lower Upper
 63 100
 106 26.0 22.4 33.6





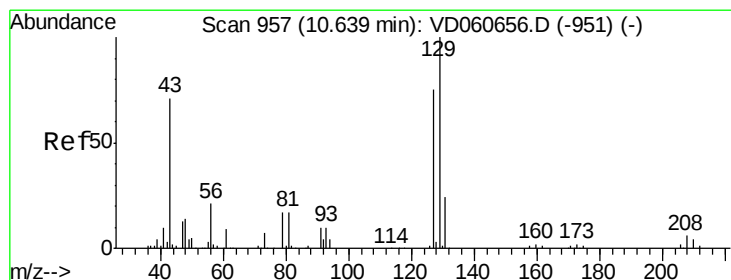
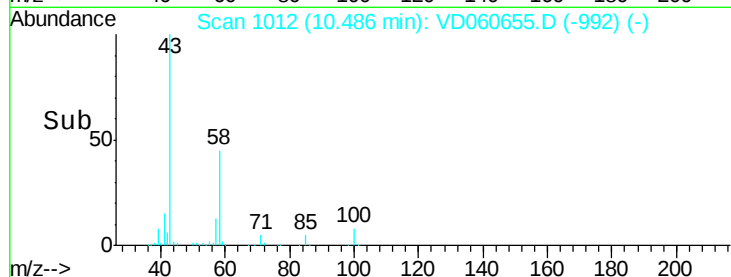
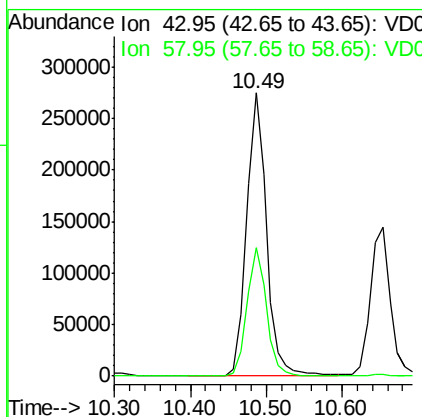
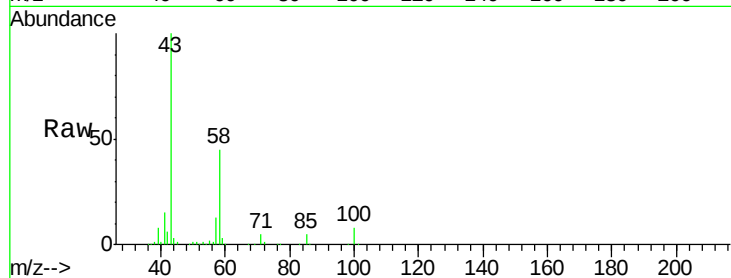
#59
2-Hexanone
Concen: 93.951 ug/l
RT: 10.49 min Scan# 1012
Delta R.T. -0.01 min
Lab File: VD060655.D
Acq: 20 Dec 2018 12:59

Instrument :
MSVOA_D
ClientSampleId :
VSTDIC020

Tgt Ion: 43 Resp: 502750
Ion Ratio Lower Upper
43 100
58 45.3 23.5 70.5

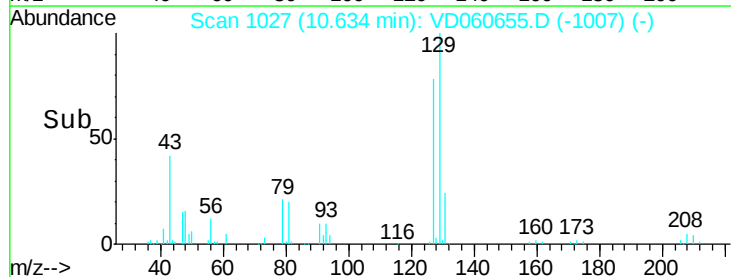
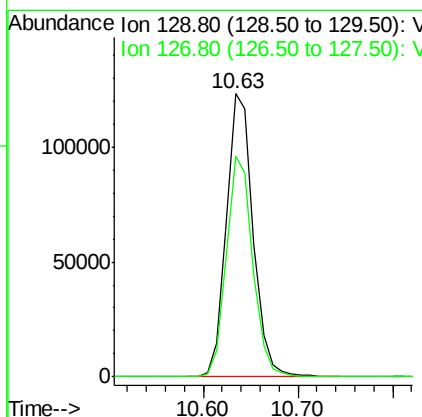
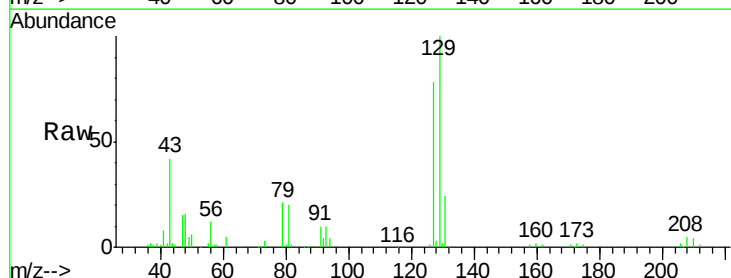
Manual Integrations
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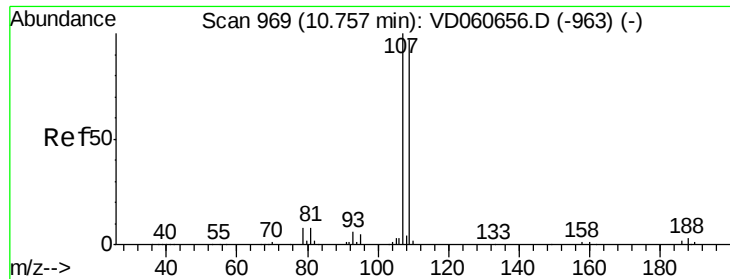
apatel
12/21/2018 11:32:29 AM



#60
Dibromochloromethane
Concen: 18.465 ug/l
RT: 10.63 min Scan# 1027
Delta R.T. -0.01 min
Lab File: VD060655.D
Acq: 20 Dec 2018 12:59

Tgt Ion: 129 Resp: 239672
Ion Ratio Lower Upper
129 100
127 77.8 37.6 112.9





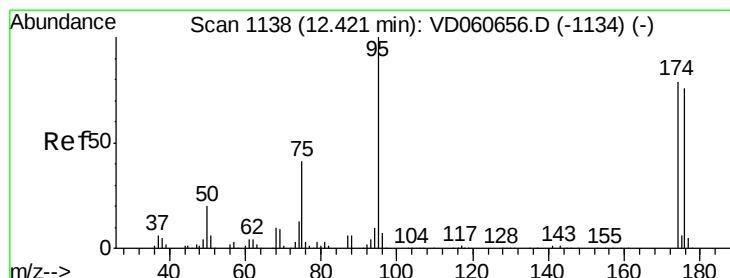
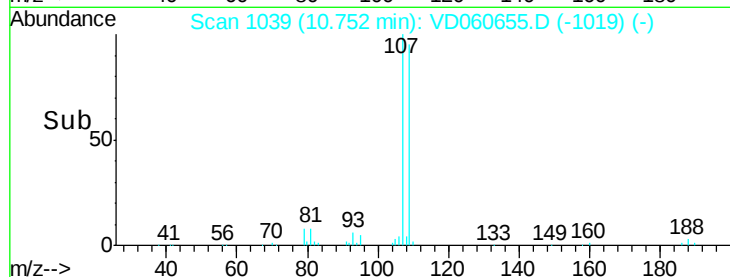
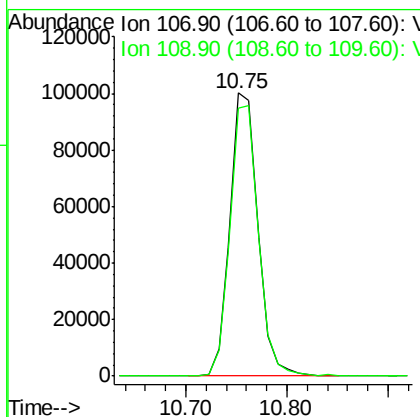
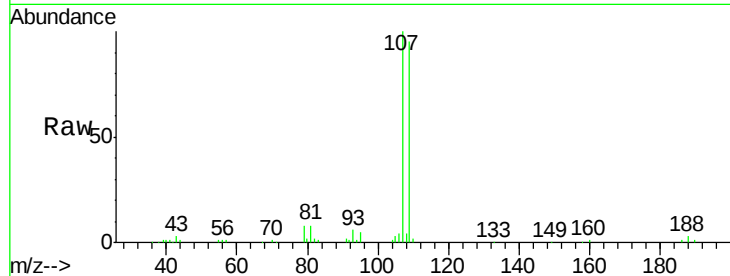
#61
1,2-Dibromoethane
Concen: 18.626 ug/l
RT: 10.75 min Scan# 1039
Delta R.T. -0.01 min
Lab File: VD060655.D
Acq: 20 Dec 2018 12:59

Instrument :
MSVOA_D
ClientSampleId :
VSTDIC020

Tgt Ion: 107 Resp: 191798
Ion Ratio Lower Upper
107 100
109 94.7 78.0 117.0

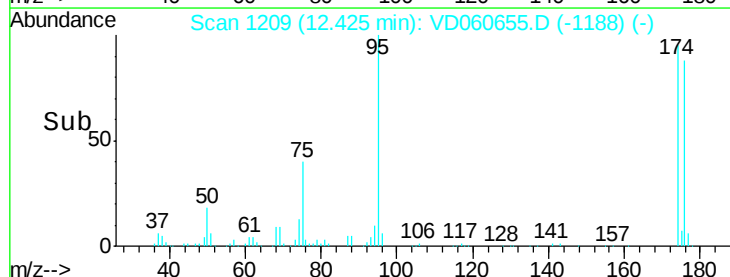
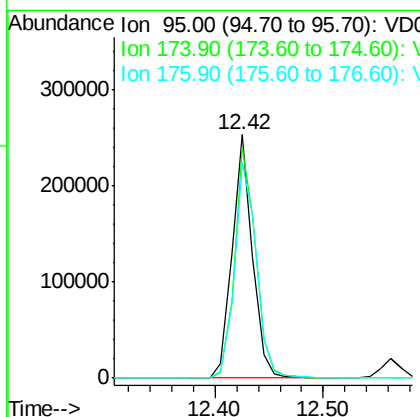
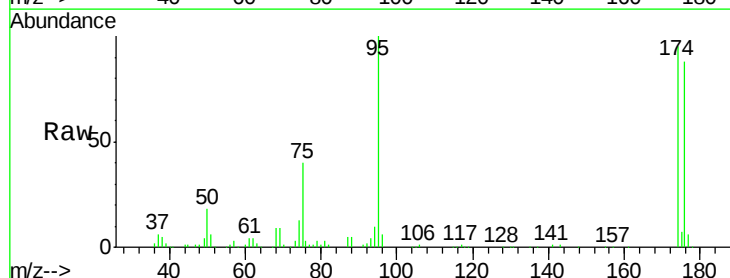
Manual Integrations
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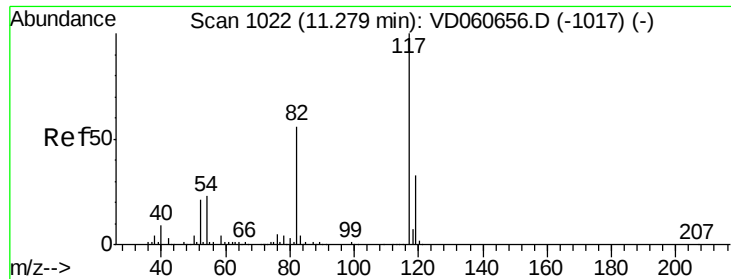
apatel
12/21/2018 11:32:29 AM



#62
4-Bromofluorobenzene
Concen: 18.626 ug/l
RT: 12.42 min Scan# 1209
Delta R.T. 0.00 min
Lab File: VD060655.D
Acq: 20 Dec 2018 12:59

Tgt Ion: 95 Resp: 329502
Ion Ratio Lower Upper
95 100
174 94.6 0.0 158.2
176 88.5 0.0 152.4





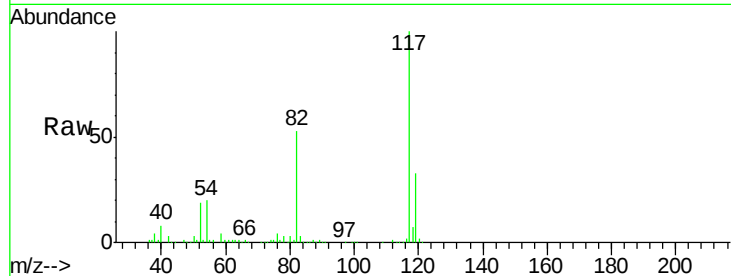
#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 11.28 min Scan# 1093
Delta R.T. 0.00 min
Lab File: VD060655.D
Acq: 20 Dec 2018 12:59

Instrument :
MSVOA_D
ClientSampleId :
VSTDIC020

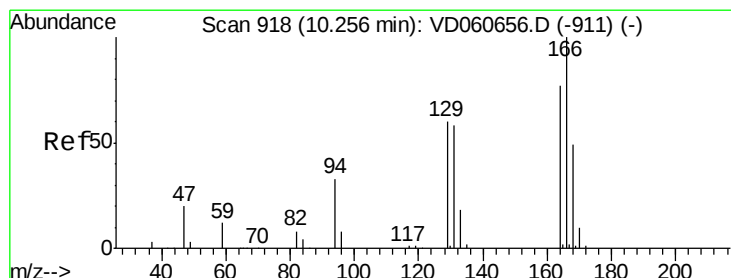
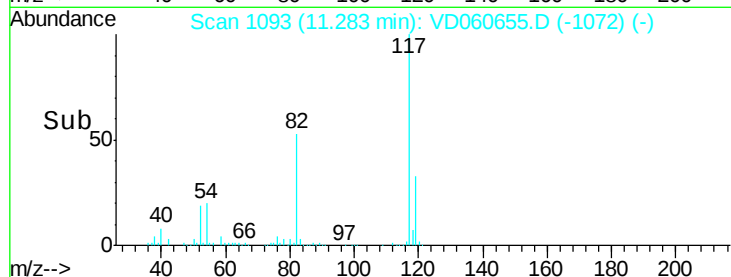
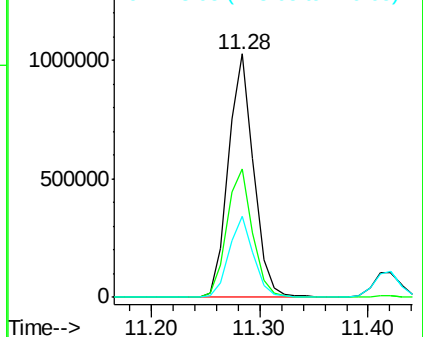
Tgt Ion:117 Resp: 1668513
Ion Ratio Lower Upper
117 100
82 52.8 44.5 66.7
119 33.4 26.3 39.5

Manual Integrations
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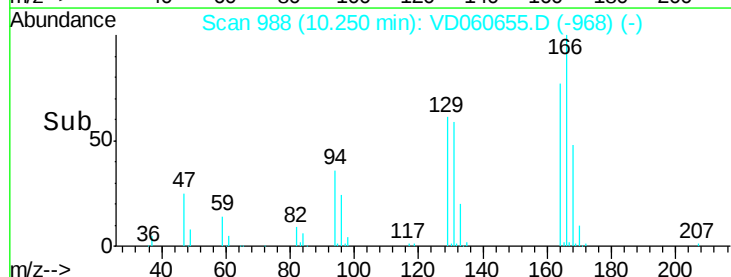
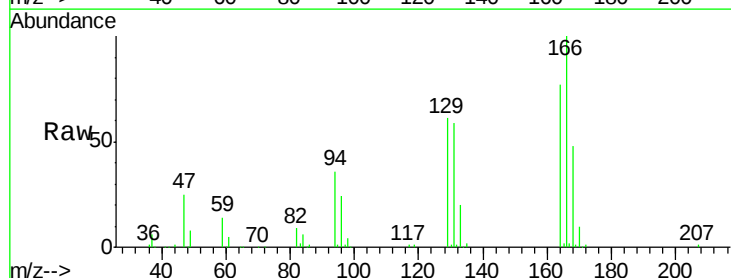
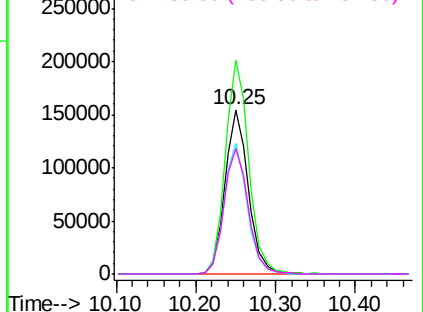
Abundance Ion 116.95 (116.65 to 117.65): V
Ion 82.05 (81.75 to 82.75): V
Ion 118.95 (118.65 to 119.65): V

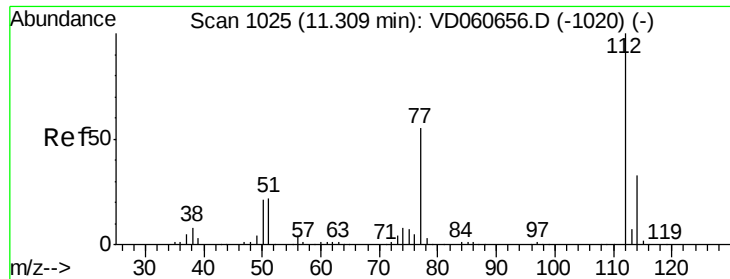


#64
Tetrachloroethene
Concen: 19.700 ug/l
RT: 10.25 min Scan# 988
Delta R.T. -0.01 min
Lab File: VD060655.D
Acq: 20 Dec 2018 12:59

Tgt Ion:164 Resp: 317845
Ion Ratio Lower Upper
164 100
166 129.8 104.4 156.6
129 79.0 62.7 94.1
131 76.6 61.1 91.7

Abundance Ion 163.85 (163.55 to 164.55): V
Ion 165.85 (165.55 to 166.55): V
Ion 128.80 (128.50 to 129.50): V
Ion 130.80 (130.50 to 131.50): V





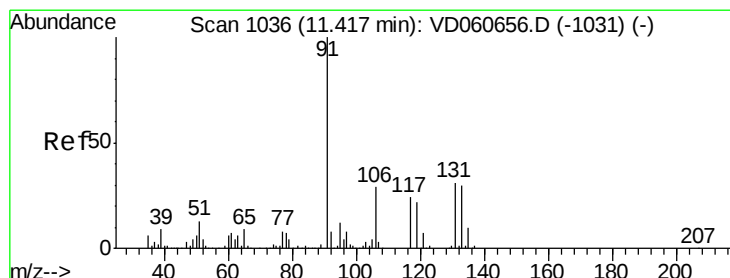
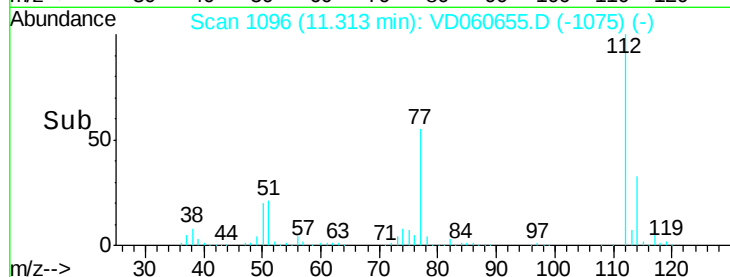
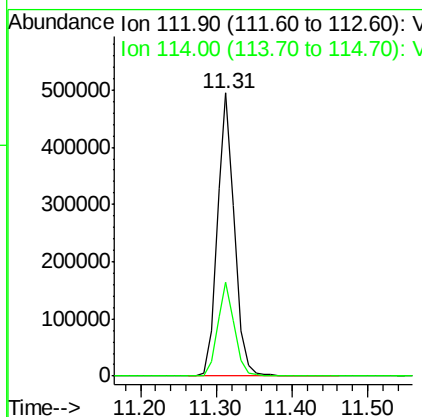
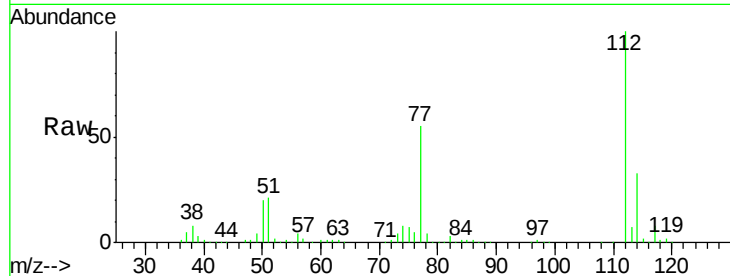
#65
Chlorobenzene
Concen: 19.874 ug/l
RT: 11.31 min Scan# 1096
Delta R.T. 0.00 min
Lab File: VD060655.D
Acq: 20 Dec 2018 12:59

Instrument :
MSVOA_D
ClientSampleId :
VSTDIC020

Tgt Ion:112 Resp: 779144
Ion Ratio Lower Upper
112 100
114 33.3 26.1 39.1

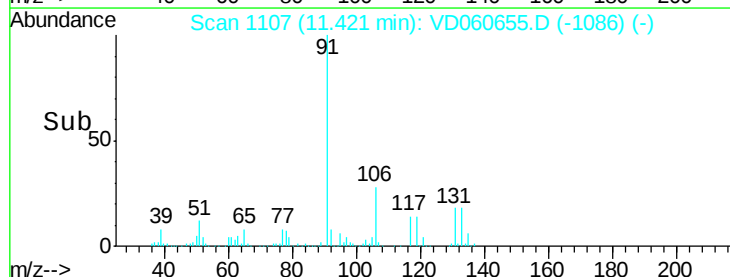
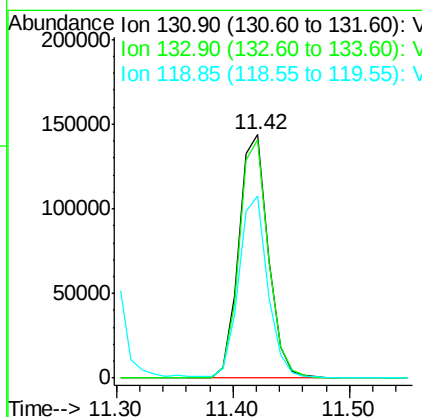
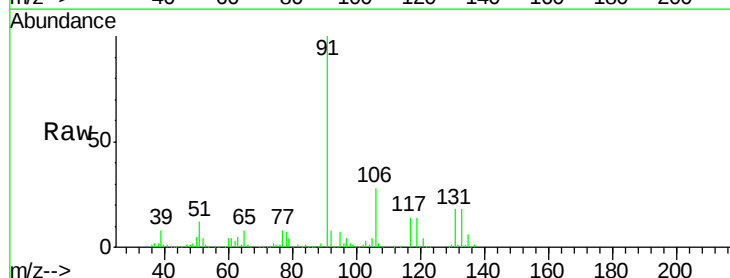
Manual Integrations
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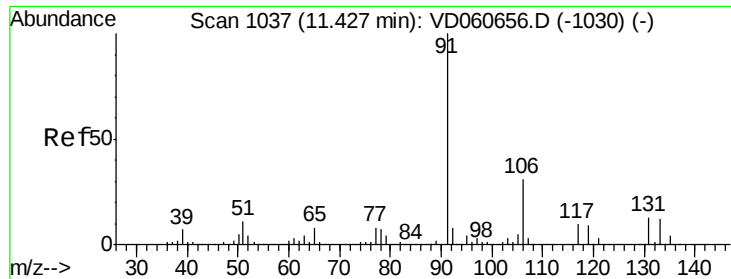
apatel
12/21/2018 11:32:29 AM



#66
1,1,1,2-Tetrachloroethane
Concen: 19.589 ug/l
RT: 11.42 min Scan# 1107
Delta R.T. 0.00 min
Lab File: VD060655.D
Acq: 20 Dec 2018 12:59

Tgt Ion:131 Resp: 251680
Ion Ratio Lower Upper
131 100
133 97.9 49.1 147.3
119 74.6 36.6 109.8





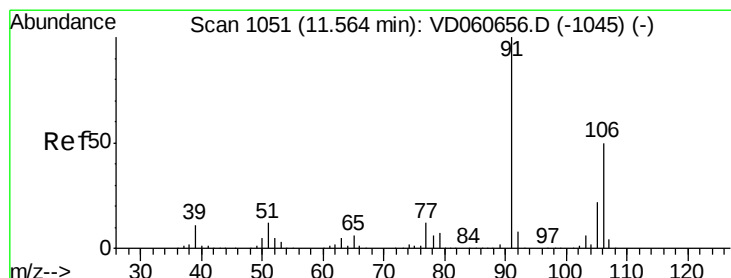
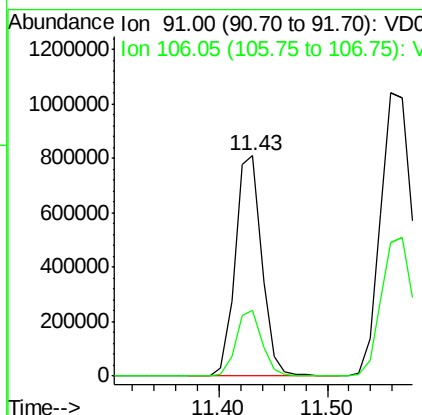
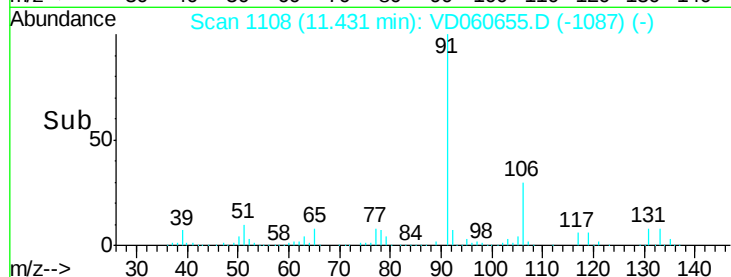
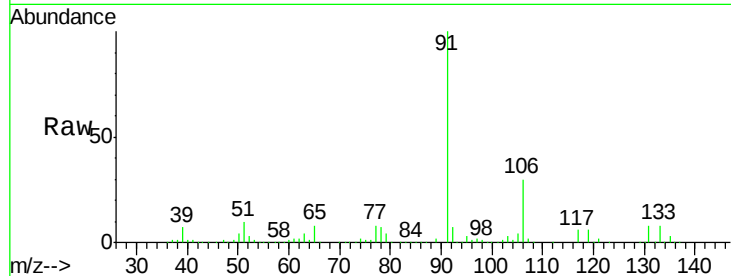
#67
Ethyl Benzene
Concen: 20.571 ug/l
RT: 11.43 min Scan# 1108
Delta R.T. 0.00 min
Lab File: VD060655.D
Acq: 20 Dec 2018 12:59

Instrument :
MSVOA_D
ClientSampleId :
VSTDIC020

Tgt Ion: 91 Resp: 1385527
Ion Ratio Lower Upper
91 100
106 29.8 24.6 36.8

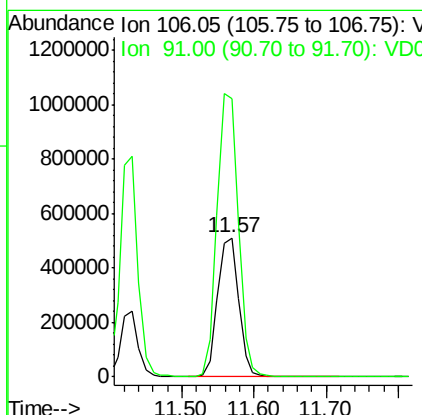
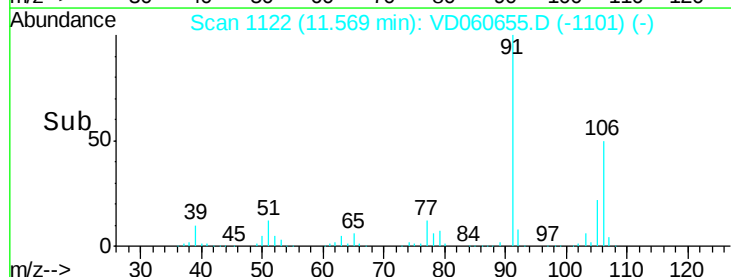
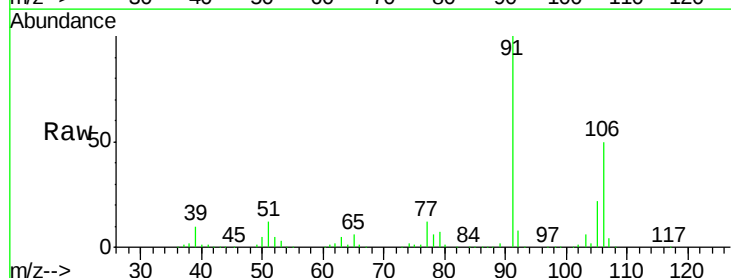
Manual Integrations
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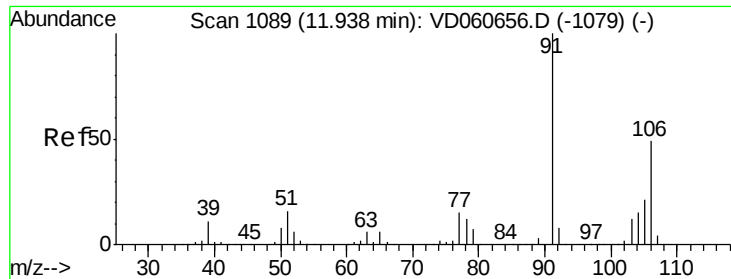
apatel
12/21/2018 11:32:29 AM



#68
m/p-Xylenes
Concen: 42.067 ug/l
RT: 11.57 min Scan# 1122
Delta R.T. 0.00 min
Lab File: VD060655.D
Acq: 20 Dec 2018 12:59

Tgt Ion: 106 Resp: 1029005
Ion Ratio Lower Upper
106 100
91 200.1 158.9 238.3





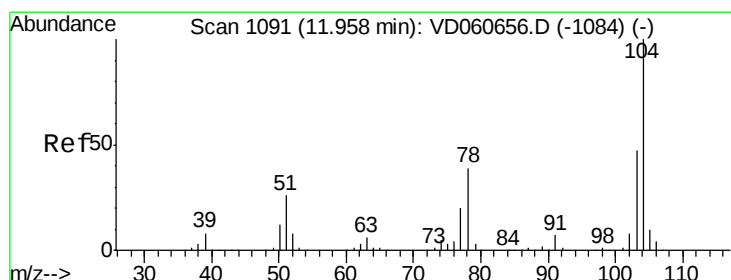
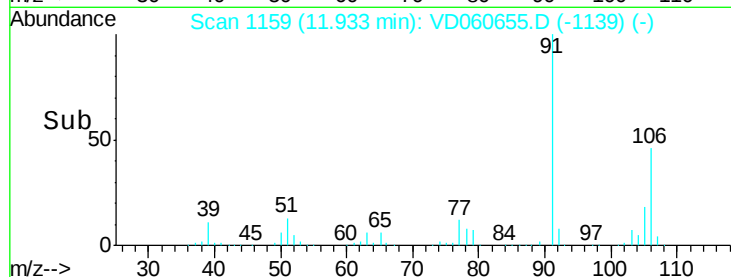
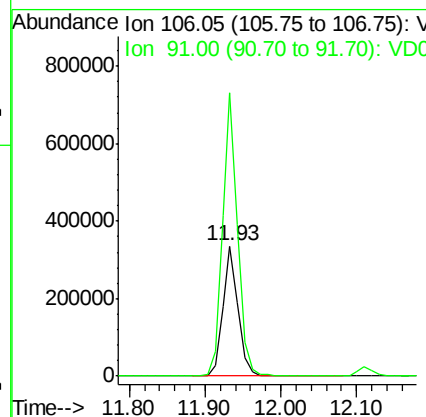
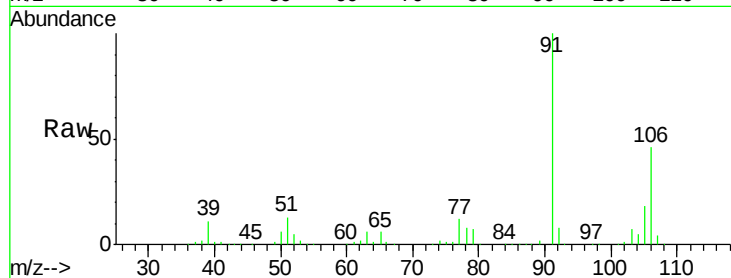
#69
o-Xylene
Concen: 19.907 ug/l
RT: 11.93 min Scan# 1159
Delta R.T. -0.01 min
Lab File: VD060655.D
Acq: 20 Dec 2018 12:59

Instrument :
MSVOA_D
ClientSampleId :
VSTDIC020

Tgt Ion:106 Resp: 472054
Ion Ratio Lower Upper
106 100
91 217.4 101.5 304.5

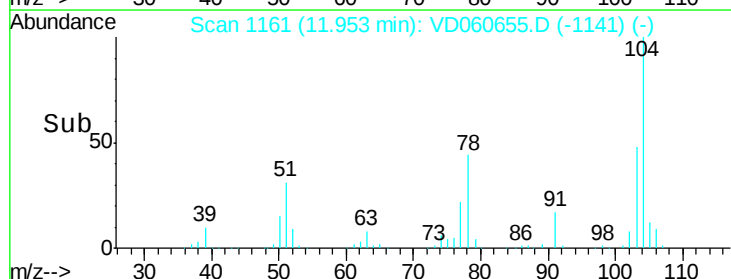
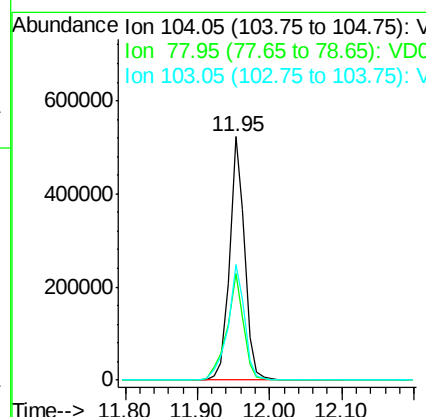
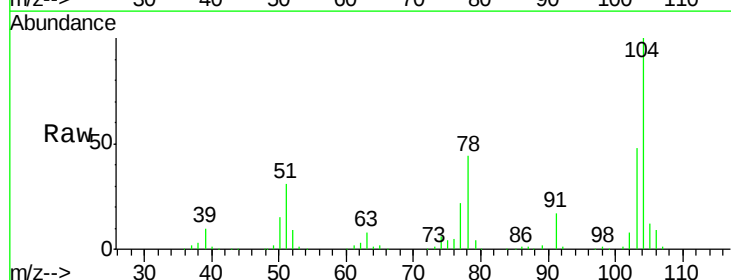
Manual Integrations
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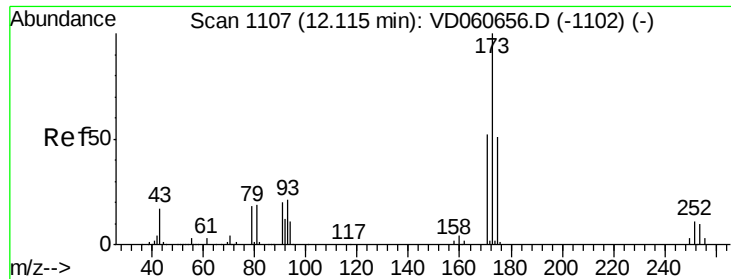
apatel
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#70
Styrene
Concen: 19.543 ug/l
RT: 11.95 min Scan# 1161
Delta R.T. -0.01 min
Lab File: VD060655.D
Acq: 20 Dec 2018 12:59

Tgt Ion:104 Resp: 747811
Ion Ratio Lower Upper
104 100
78 43.6 31.4 47.2
103 47.6 37.5 56.3





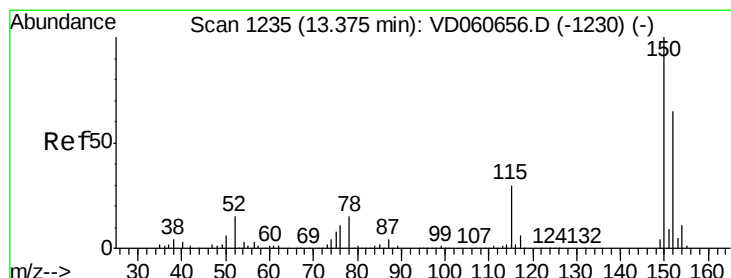
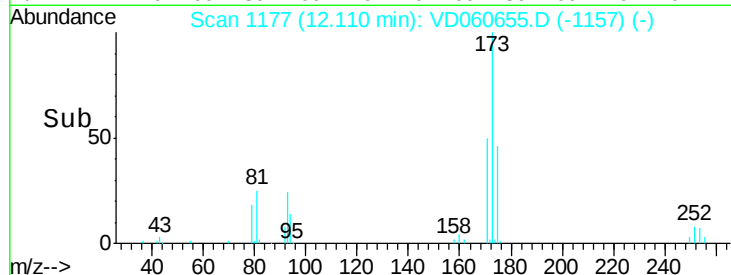
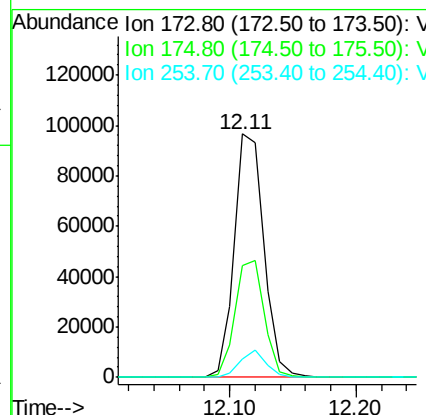
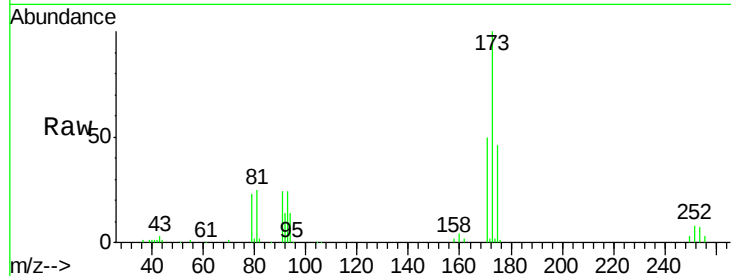
#71
Bromoform
Concen: 17.951 ug/l
RT: 12.11 min Scan# 1177
Delta R.T. -0.01 min
Lab File: VD060655.D
Acq: 20 Dec 2018 12:59

Instrument :
MSVOA_D
ClientSampleId :
VSTDIC020

Tgt Ion	Ratio	Resp	Lower	Upper
173	100	155306		
175	45.8	25.5	76.5	
254	7.3	7.9	11.9	

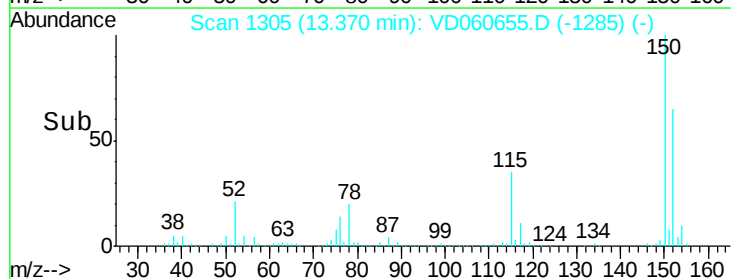
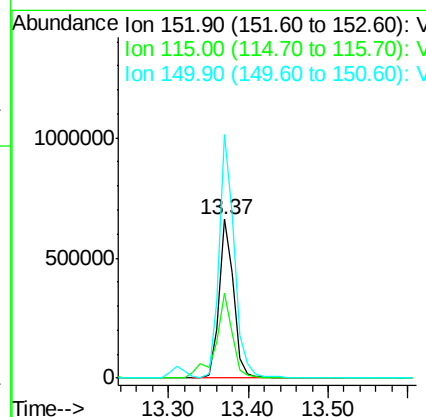
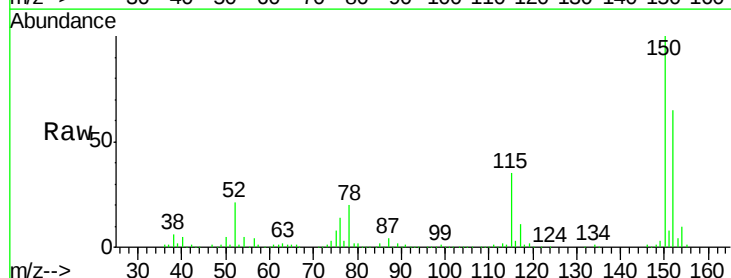
Manual Integrations
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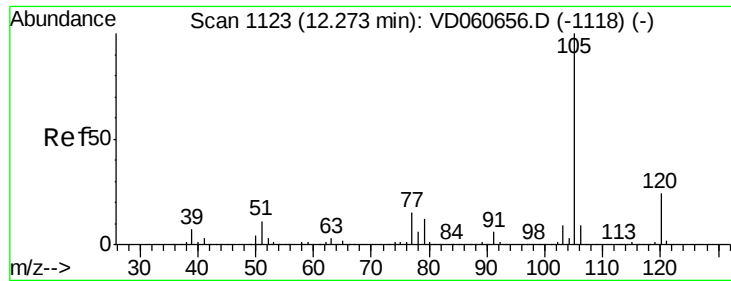
apatel
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#72
1,4-Dichlorobenzene-d4
Concen: 50.000 ug/l
RT: 13.37 min Scan# 1305
Delta R.T. -0.01 min
Lab File: VD060655.D
Acq: 20 Dec 2018 12:59

Tgt Ion	Ratio	Resp	Lower	Upper
152	100	852292		
115	53.1	24.1	72.3	
150	153.3	0.0	315.0	





#73

Isopropylbenzene

Concen: 20.785 ug/l

RT: 12.28 min Scan# 1194

Delta R.T. 0.00 min

Lab File: VD060655.D

Acq: 20 Dec 2018 12:59

Instrument :

MSVOA_D

ClientSampleId :

VSTDIC020

Tgt Ion:105 Resp: 1356419

Ion Ratio Lower Upper

105 100

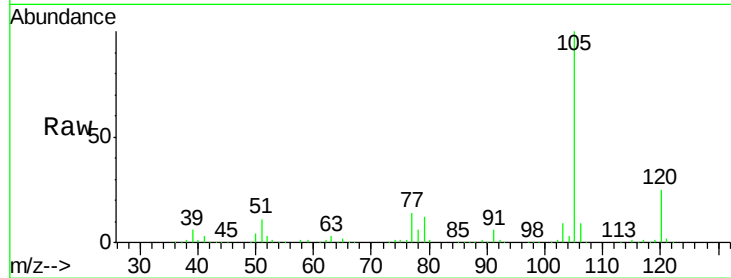
120 25.3 12.2 36.4

Manual Integrations

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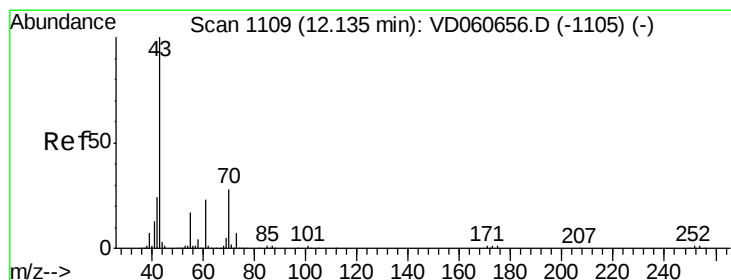
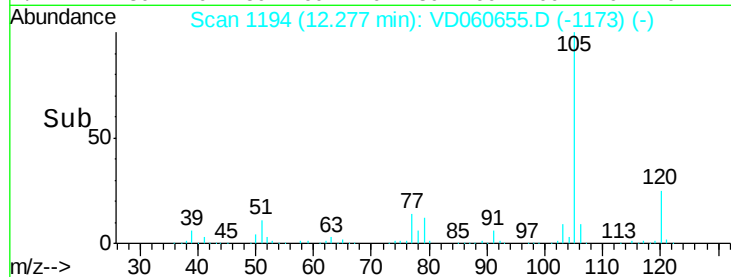
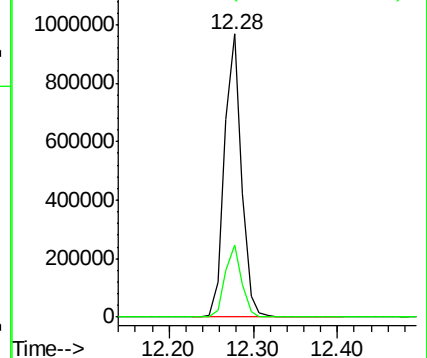
apatel

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Abundance Ion 105.05 (104.75 to 105.75): V

Ion 120.05 (119.75 to 120.75): V



#74

N-ethyl acetate

Concen: 19.017 ug/l

RT: 12.13 min Scan# 1179

Delta R.T. -0.01 min

Lab File: VD060655.D

Acq: 20 Dec 2018 12:59

Tgt Ion: 43 Resp: 293979

Ion Ratio Lower Upper

43 100

70 27.9 22.2 33.2

55 17.7 13.8 20.8

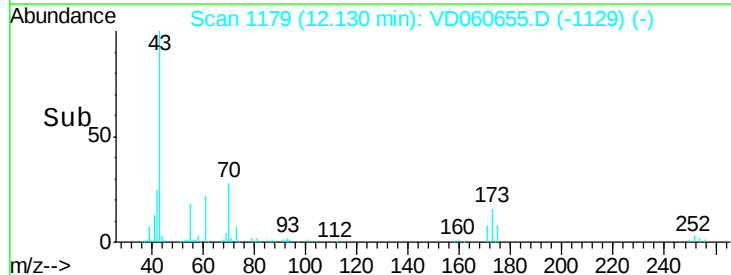
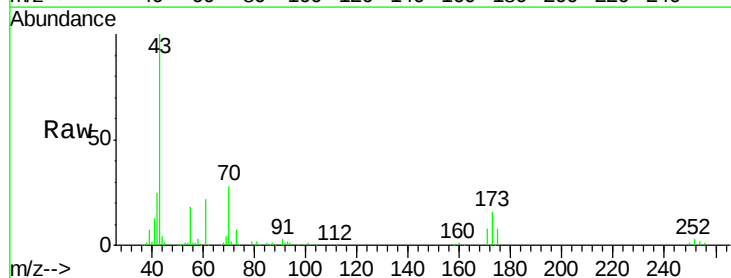
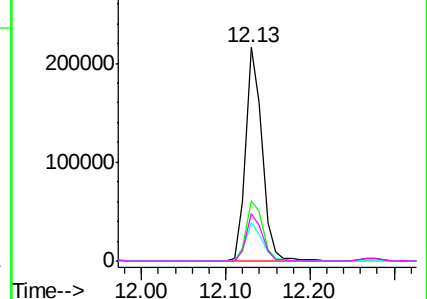
61 22.1 18.2 27.2

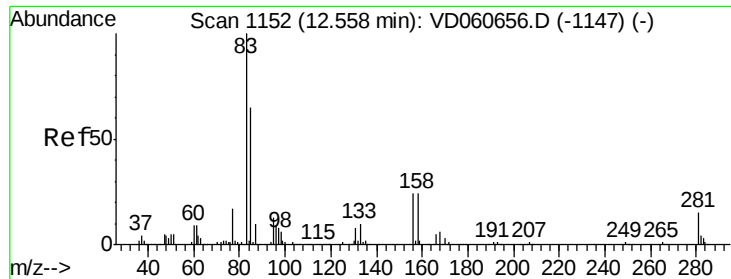
Abundance Ion 42.95 (42.65 to 43.65): V

Ion 70.00 (69.70 to 70.70): V

Ion 55.00 (54.70 to 55.70): V

Ion 60.95 (60.65 to 61.65): V





#75

1,1,2,2-Tetrachloroethane

Concen: 18.409 ug/l

RT: 12.56 min Scan# 1223

Delta R.T. 0.00 min

Lab File: VD060655.D

Acq: 20 Dec 2018 12:59

Instrument :

MSVOA_D

ClientSampleId :

VSTDIC020

Tgt Ion: 83 Resp: 199128
Ion Ratio Lower Upper

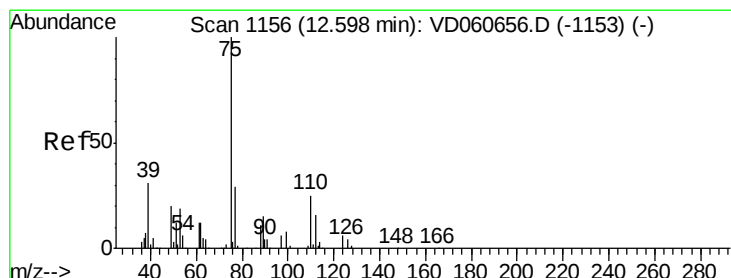
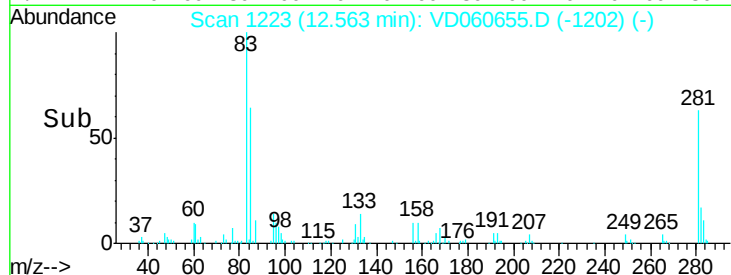
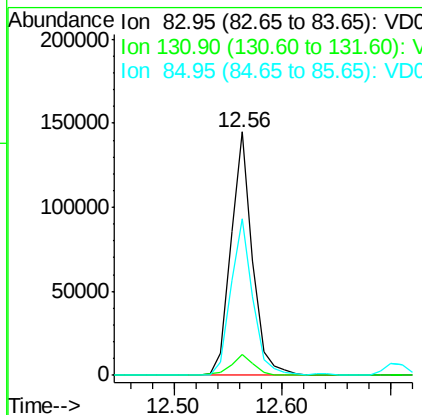
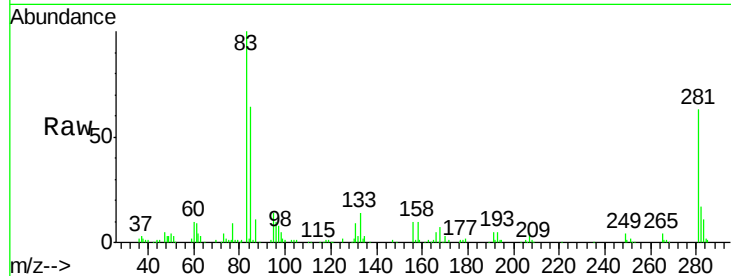
83 100

131 8.7 4.2 12.4

85 64.4 32.6 97.7

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#76

1,2,3-Trichloropropane

Concen: 18.785 ug/l

RT: 12.59 min Scan# 1226

Delta R.T. -0.01 min

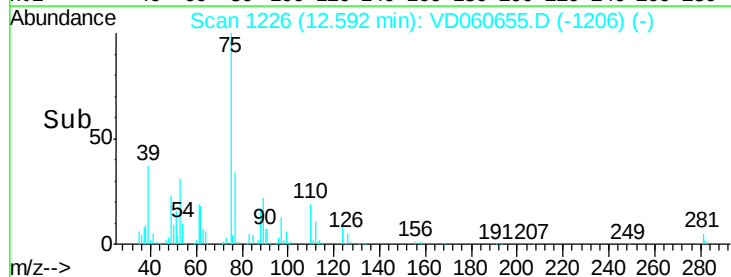
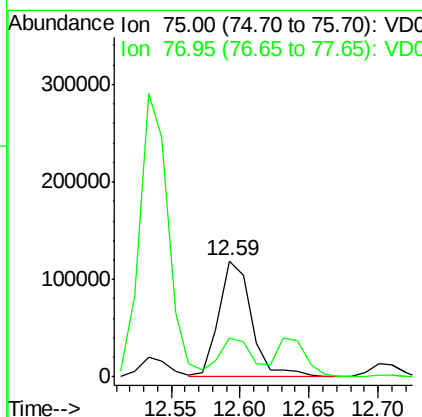
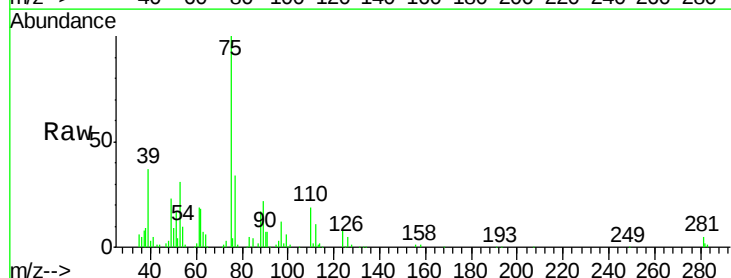
Lab File: VD060655.D

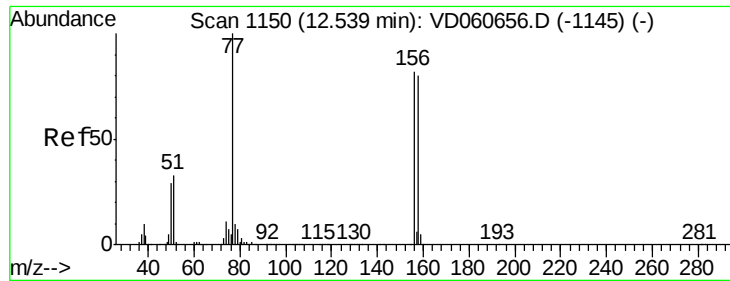
Acq: 20 Dec 2018 12:59

Tgt Ion: 75 Resp: 197253
Ion Ratio Lower Upper

75 100

77 33.8 16.7 50.0





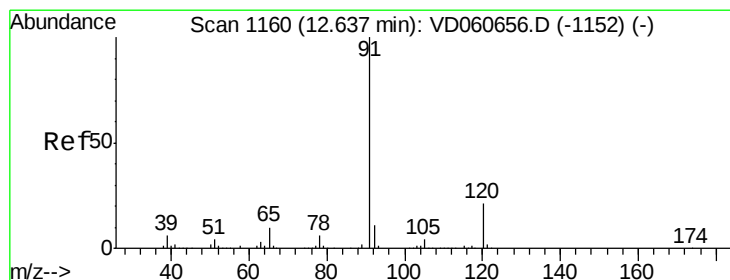
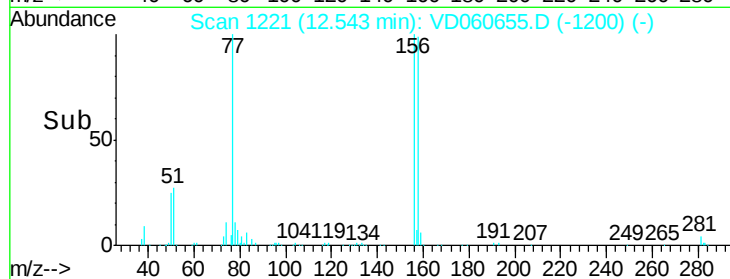
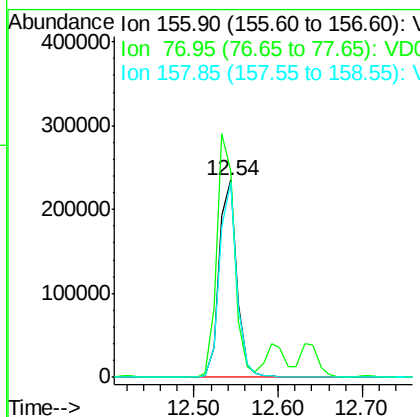
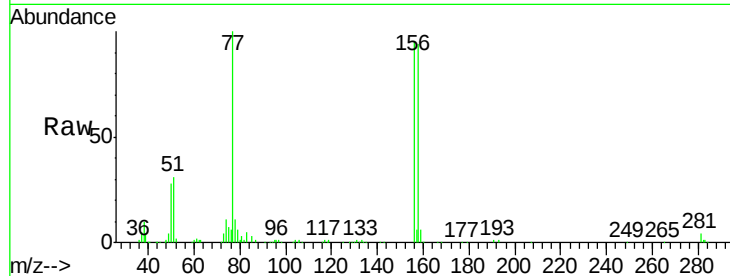
#77
Bromobenzene
Concen: 19.555 ug/l
RT: 12.54 min Scan# 1221
Delta R.T. 0.00 min
Lab File: VD060655.D
Acq: 20 Dec 2018 12:59

Instrument :
MSVOA_D
ClientSampleId :
VSTDIC020

Tgt Ion	Ratio	Resp	Lower	Upper
156	100	340058		
77	104.8	61.3	183.9	
158	99.0	48.9	146.6	

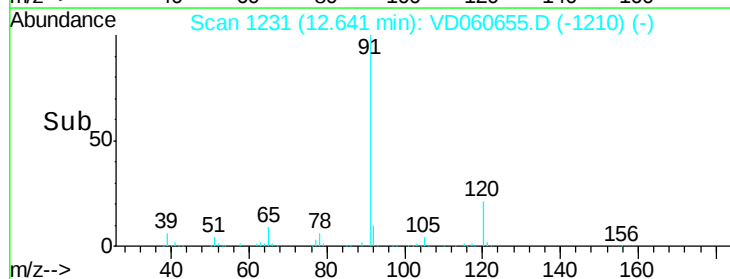
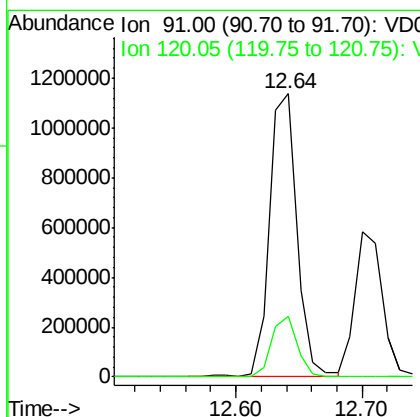
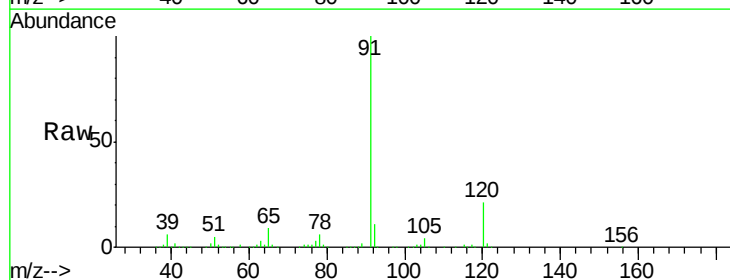
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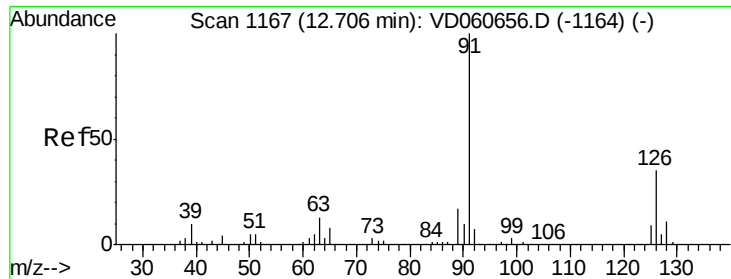
apatel
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#78
n-propylbenzene
Concen: 20.760 ug/l
RT: 12.64 min Scan# 1231
Delta R.T. 0.00 min
Lab File: VD060655.D
Acq: 20 Dec 2018 12:59

Tgt Ion	Ratio	Resp	Lower	Upper
91	100	1726150		
120	21.5	10.4	31.2	





#79

2-Chlorotoluene

Concen: 19.346 ug/l

RT: 12.70 min Scan# 1237

Delta R.T. -0.01 min

Lab File: VD060655.D

Acq: 20 Dec 2018 12:59

Instrument :

MSVOA_D

ClientSampleId :

VSTDIC020

Tgt Ion: 91 Resp: 872172

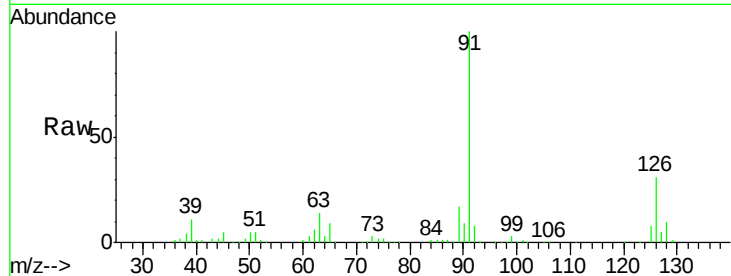
Ion Ratio Lower Upper

91 100

126 31.3 17.2 51.5

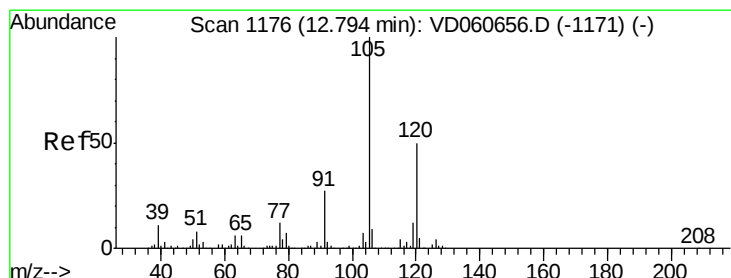
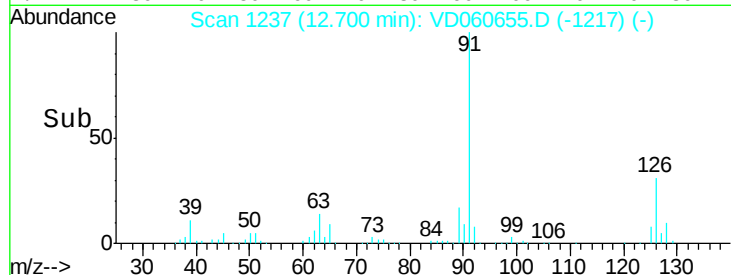
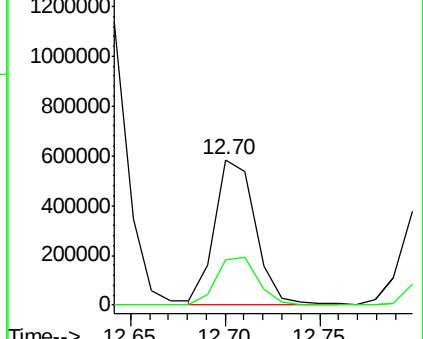
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Abundance Ion 91.00 (90.70 to 91.70): VD060655.D (-1217) (-)

Ion 125.95 (125.65 to 126.65): VD060655.D (-1217) (-)



#80

1,3,5-Trimethylbenzene

Concen: 20.344 ug/l

RT: 12.79 min Scan# 1246

Delta R.T. -0.01 min

Lab File: VD060655.D

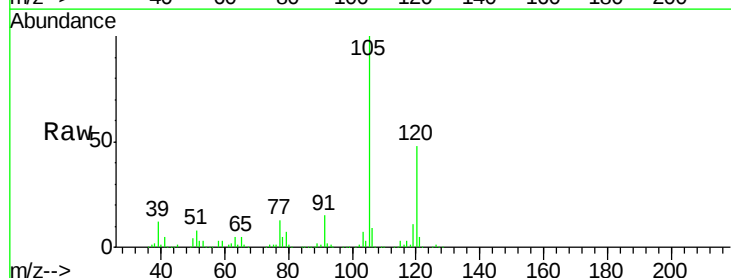
Acq: 20 Dec 2018 12:59

Tgt Ion: 105 Resp: 1021603

Ion Ratio Lower Upper

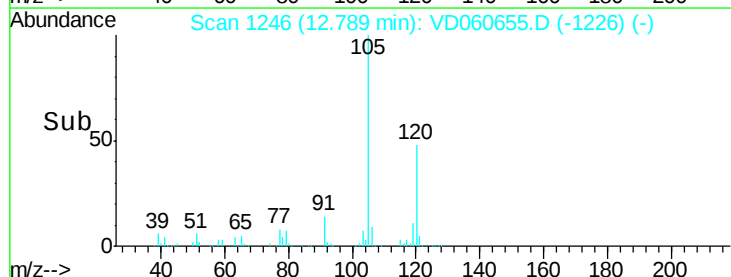
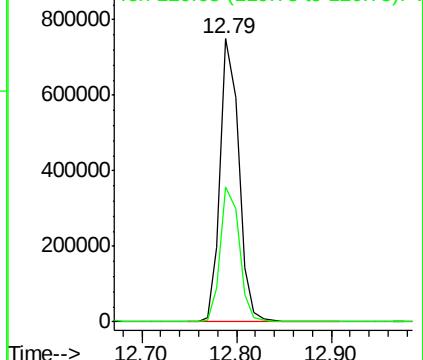
105 100

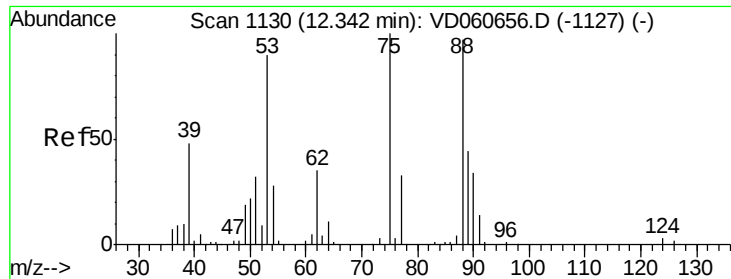
120 47.7 24.8 74.4



Abundance Ion 105.05 (104.75 to 105.75): VD060655.D (-1226) (-)

Ion 120.05 (119.75 to 120.75): VD060655.D (-1226) (-)





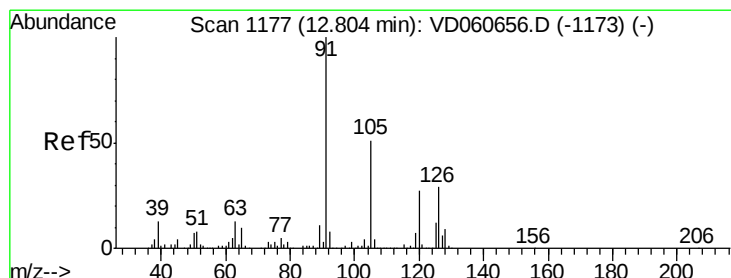
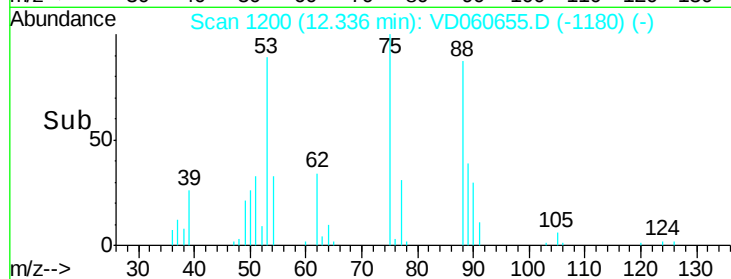
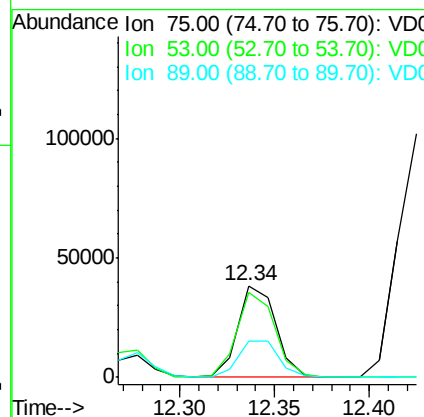
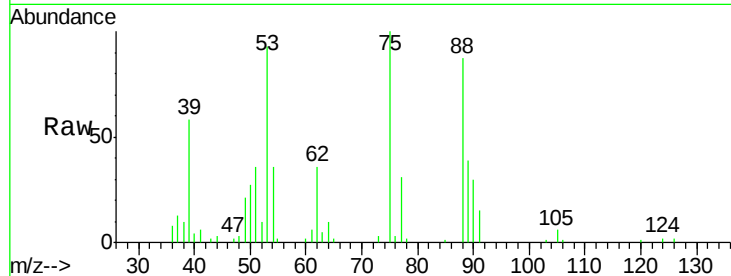
#81
trans-1,4-Dichloro-2-butene
Concen: 17.394 ug/l
RT: 12.34 min Scan# 1200
Delta R.T. -0.01 min
Lab File: VD060655.D
Acq: 20 Dec 2018 12:59

Instrument :
MSVOA_D
ClientSampleId :
VSTDIC020

Tgt Ion	Ratio	Lower	Upper
75	100		
53	92.9	72.1	108.1
89	39.3	35.1	52.7

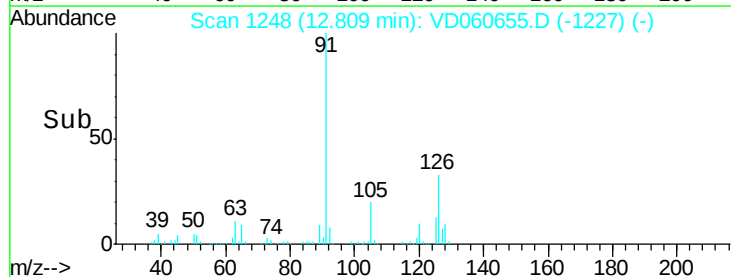
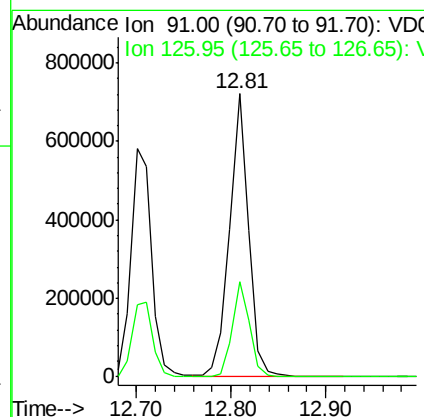
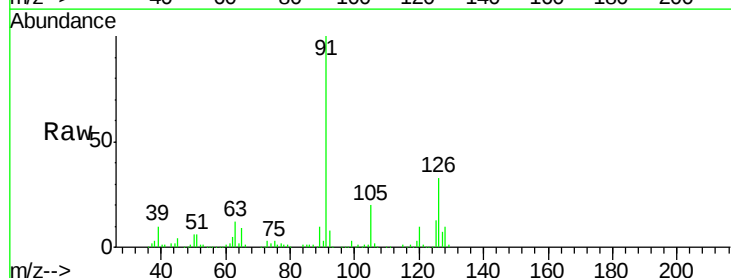
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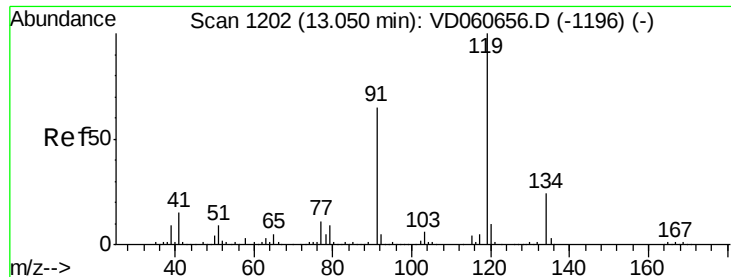
apatel
12/21/2018 11:32:29 AM



#82
4-Chlorotoluene
Concen: 20.286 ug/l
RT: 12.81 min Scan# 1248
Delta R.T. 0.00 min
Lab File: VD060655.D
Acq: 20 Dec 2018 12:59

Tgt Ion	Ratio	Lower	Upper
91	100		
126	33.5	14.6	43.8





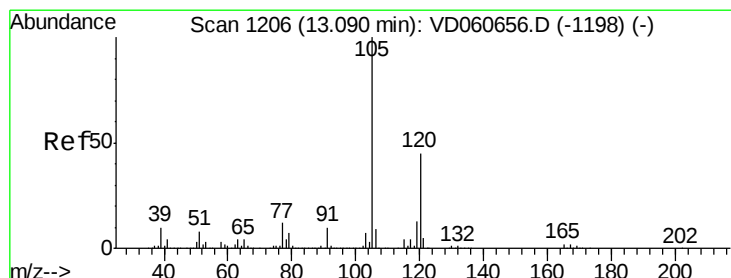
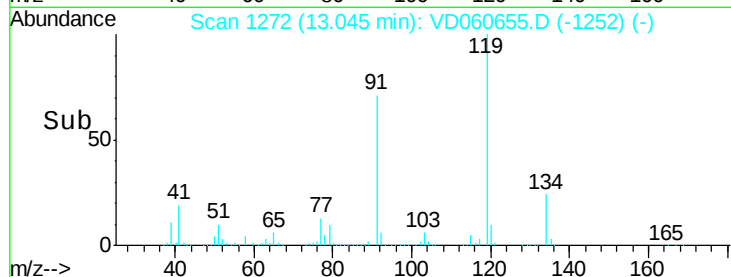
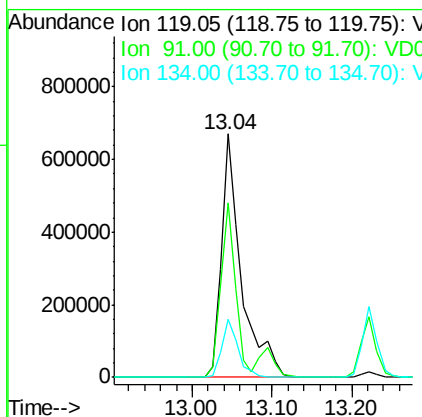
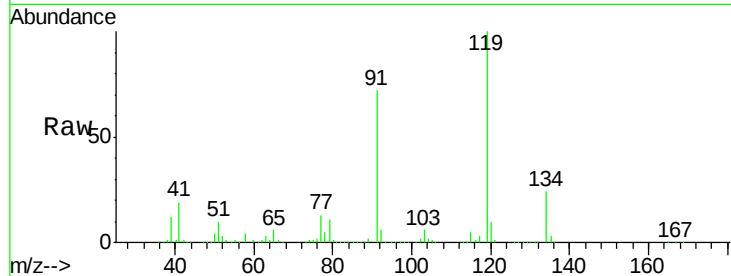
#83
 tert-Butylbenzene
 Concen: 20.589 ug/l
 RT: 13.04 min Scan# 1272
 Delta R.T. -0.01 min
 Lab File: VD060655.D
 Acq: 20 Dec 2018 12:59

Instrument :
 MSVOA_D
 ClientSampleId :
 VSTDIC020

Tgt Ion:119 Resp: 1178360
 Ion Ratio Lower Upper
 119 100
 91 71.7 32.5 97.4
 134 23.9 11.9 35.9

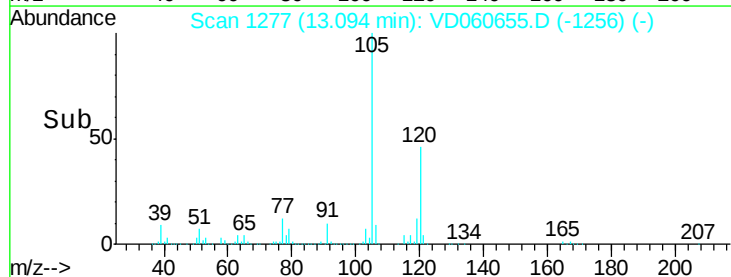
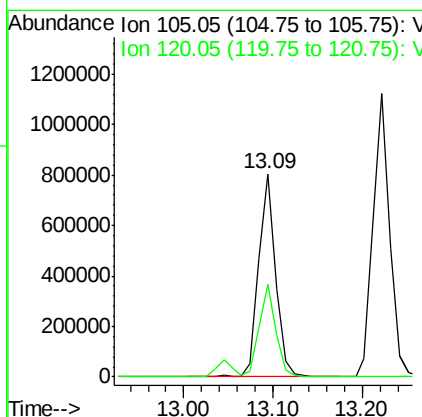
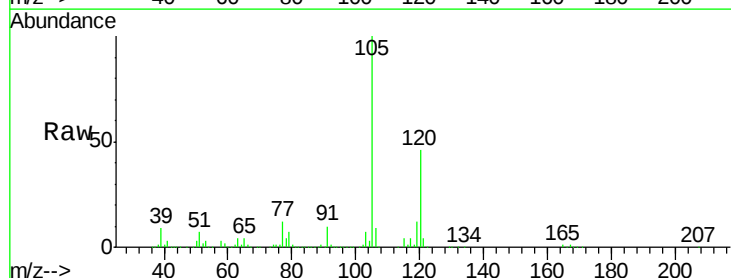
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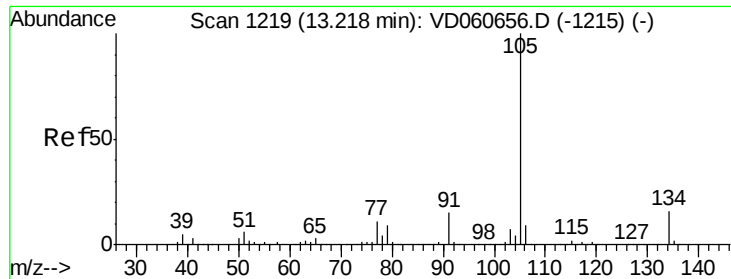
apatel
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#84
 1,2,4-Trimethylbenzene
 Concen: 20.034 ug/l
 RT: 13.09 min Scan# 1277
 Delta R.T. 0.00 min
 Lab File: VD060655.D
 Acq: 20 Dec 2018 12:59

Tgt Ion:105 Resp: 1045093
 Ion Ratio Lower Upper
 105 100
 120 45.8 22.4 67.0





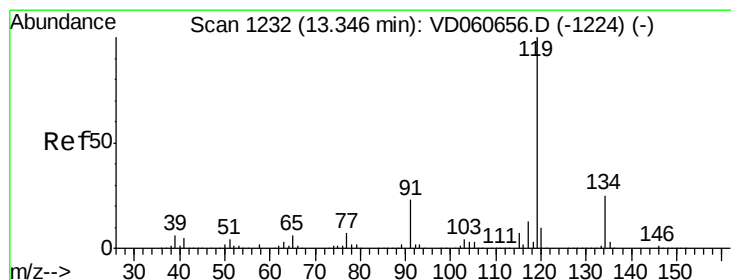
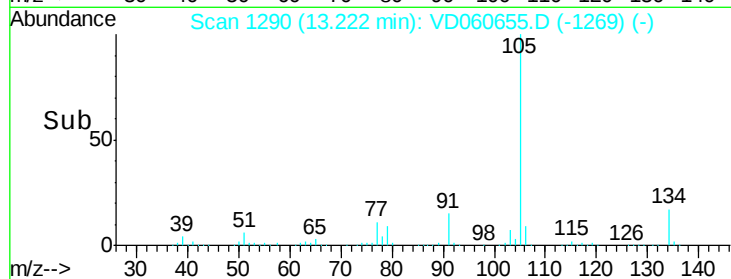
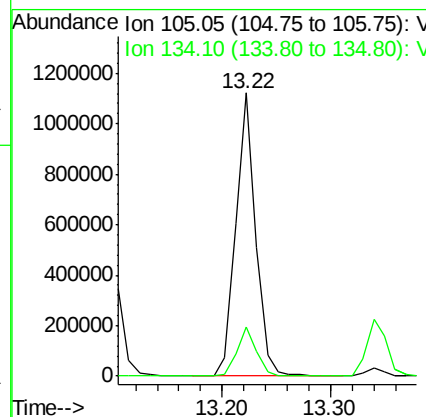
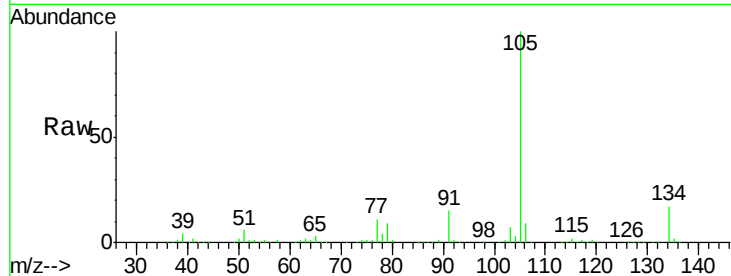
#85
 sec-Butylbenzene
 Concen: 20.075 ug/l
 RT: 13.22 min Scan# 1290
 Delta R.T. 0.00 min
 Lab File: VD060655.D
 Acq: 20 Dec 2018 12:59

Instrument :
 MSVOA_D
 ClientSampleId :
 VSTDIC020

Tgt Ion:105 Resp: 1430285
 Ion Ratio Lower Upper
 105 100
 134 17.4 8.2 24.4

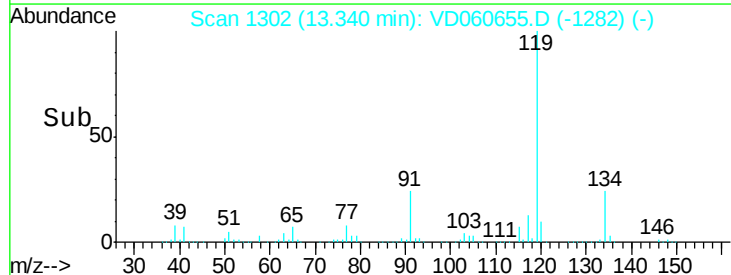
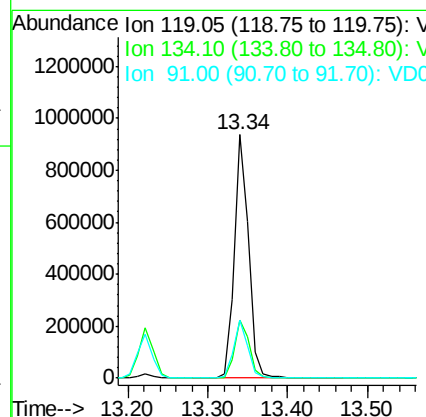
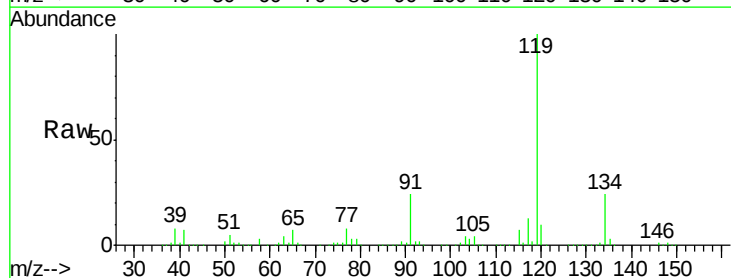
Manual Integrations
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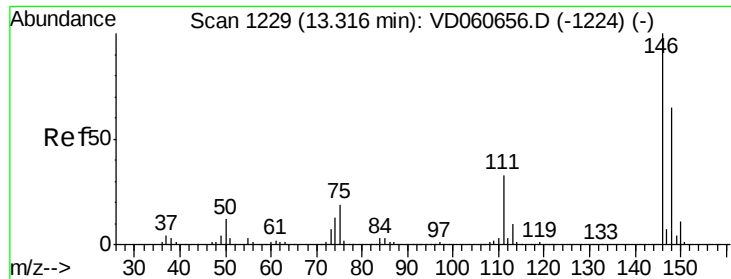
apatel
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#86
 p-Isopropyltoluene
 Concen: 21.229 ug/l
 RT: 13.34 min Scan# 1302
 Delta R.T. -0.01 min
 Lab File: VD060655.D
 Acq: 20 Dec 2018 12:59

Tgt Ion:119 Resp: 1182504
 Ion Ratio Lower Upper
 119 100
 134 24.0 12.5 37.5
 91 23.9 11.4 34.2





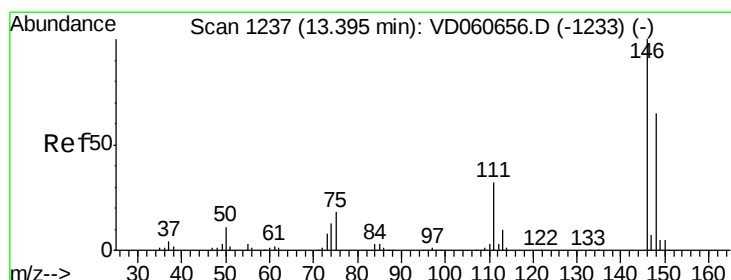
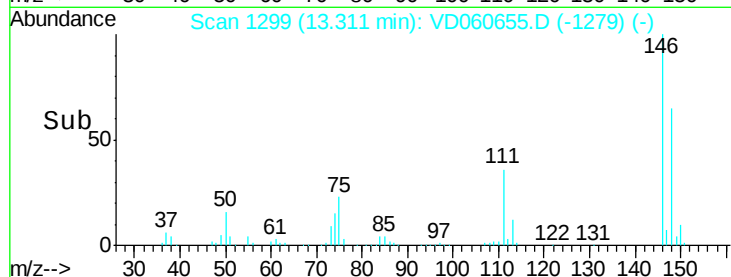
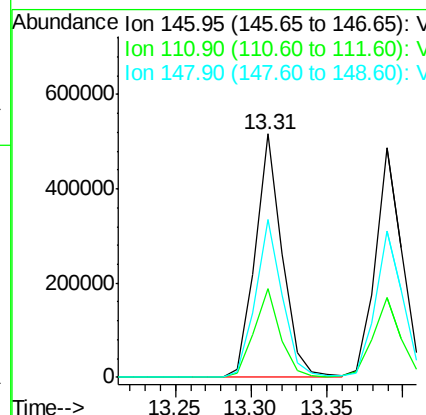
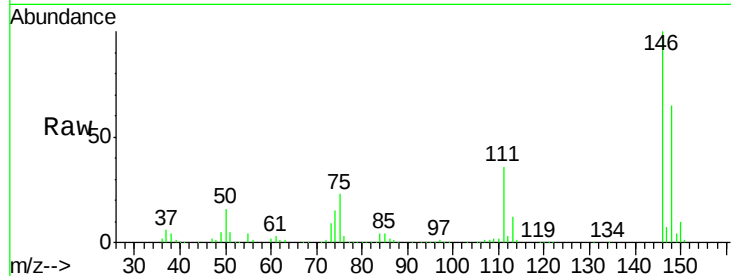
#87
 1,3-Dichlorobenzene
 Concen: 20.273 ug/l
 RT: 13.31 min Scan# 1299
 Delta R.T. -0.01 min
 Lab File: VD060655.D
 Acq: 20 Dec 2018 12:59

Instrument :
 MSVOA_D
 ClientSampleId :
 VSTDIC020

Tgt Ion	Ratio	Lower	Upper
146	100		
111	36.2	16.6	49.8
148	64.8	32.6	97.8

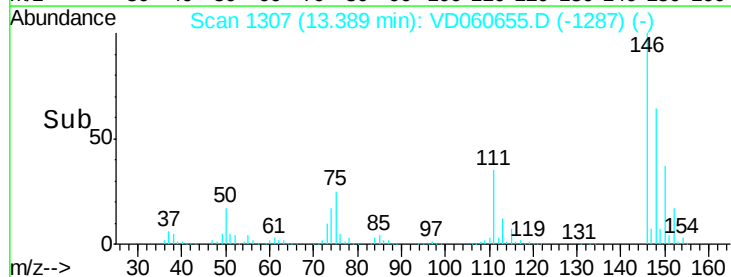
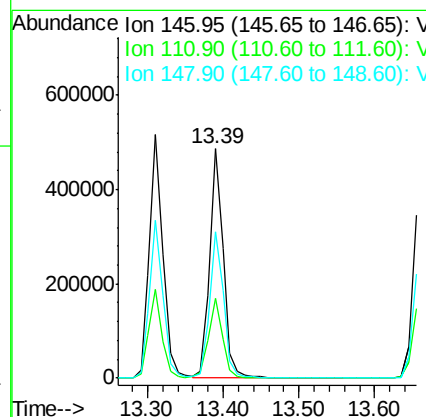
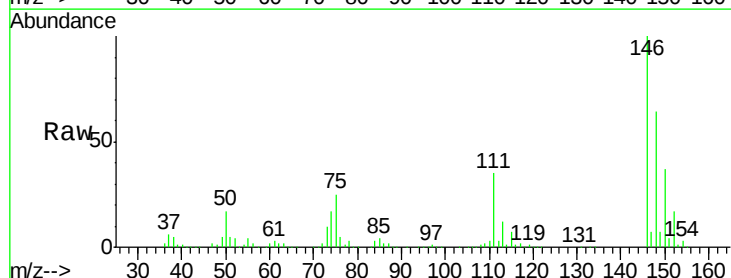
Manual Integrations
 APPROVED

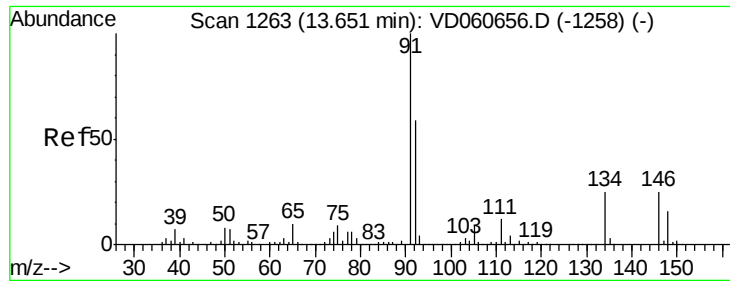
apatel
 12/21/2018 11:32:29 AM



#88
 1,4-Dichlorobenzene
 Concen: 19.657 ug/l
 RT: 13.39 min Scan# 1307
 Delta R.T. -0.01 min
 Lab File: VD060655.D
 Acq: 20 Dec 2018 12:59

Tgt Ion	Ratio	Lower	Upper
146	100		
111	34.8	16.2	48.5
148	63.9	32.7	98.1





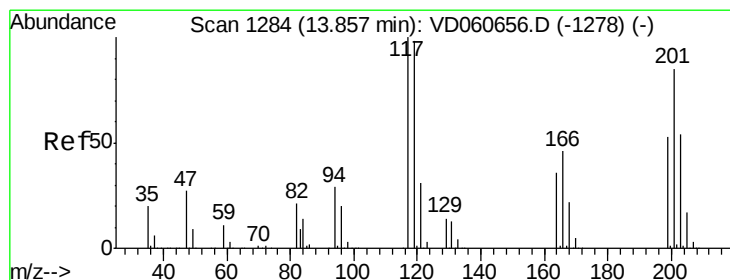
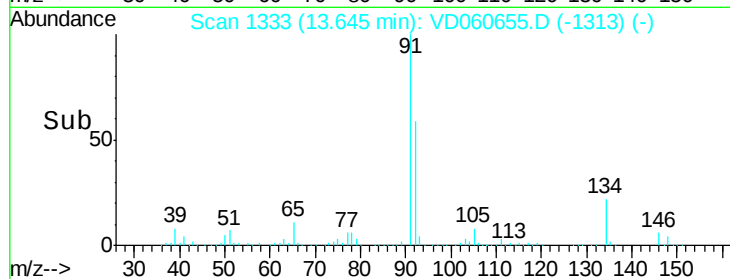
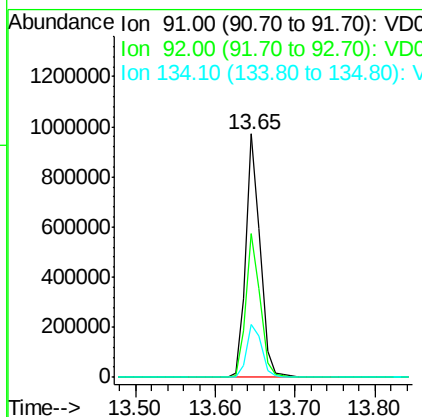
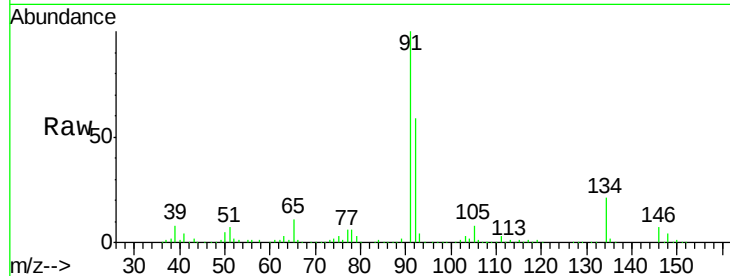
#89
n-Butylbenzene
Concen: 21.206 ug/l
RT: 13.65 min Scan# 1333
Delta R.T. -0.01 min
Lab File: VD060655.D
Acq: 20 Dec 2018 12:59

Instrument :
MSVOA_D
ClientSampleId :
VSTDIC020

Tgt Ion: 91 Resp: 1206716
Ion Ratio Lower Upper
91 100
92 59.2 29.7 89.1
134 21.5 12.7 38.1

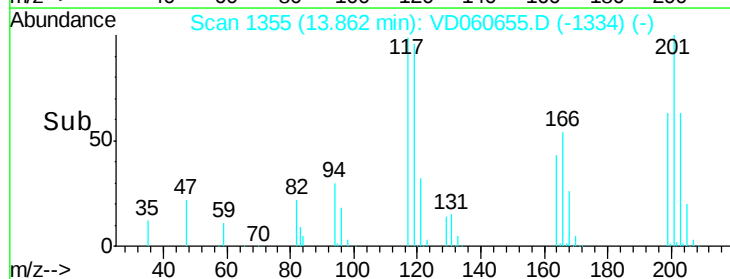
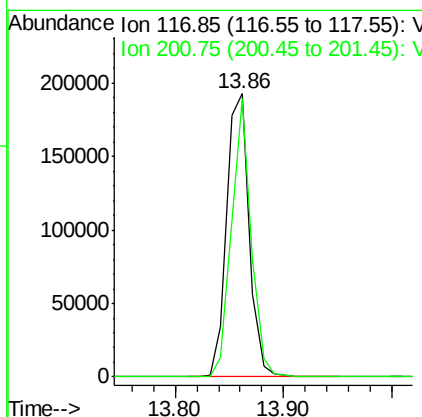
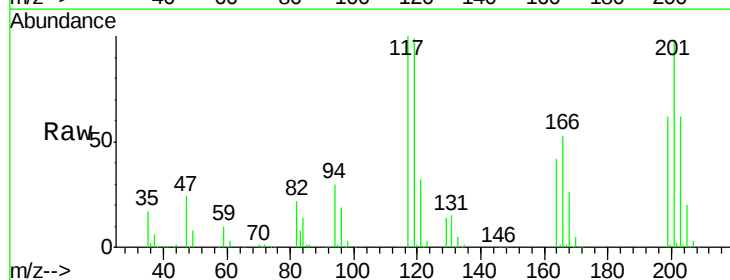
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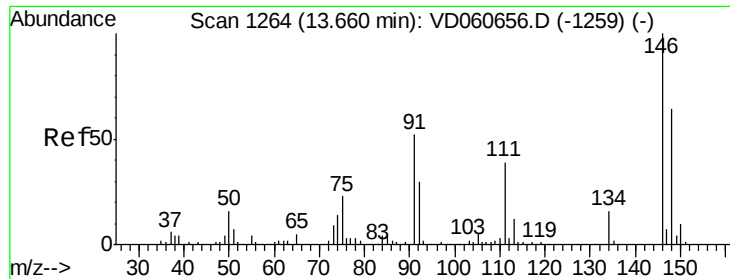
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#90
Hexachloroethane
Concen: 19.783 ug/l
RT: 13.86 min Scan# 1355
Delta R.T. 0.00 min
Lab File: VD060655.D
Acq: 20 Dec 2018 12:59

Tgt Ion: 117 Resp: 280035
Ion Ratio Lower Upper
117 100
201 98.5 42.6 127.8





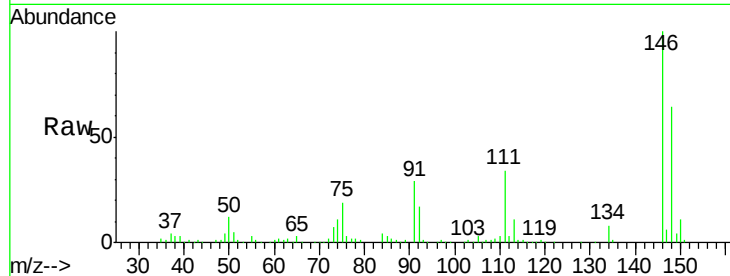
#91
 1,2-Dichlorobenzene
 Concen: 20.663 ug/l
 RT: 13.66 min Scan# 1335
 Delta R.T. 0.00 min
 Lab File: VD060655.D
 Acq: 20 Dec 2018 12:59

Instrument :
 MSVOA_D
 ClientSampleId :
 VSTDIC020

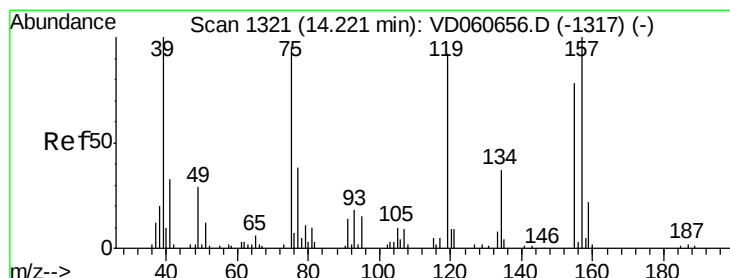
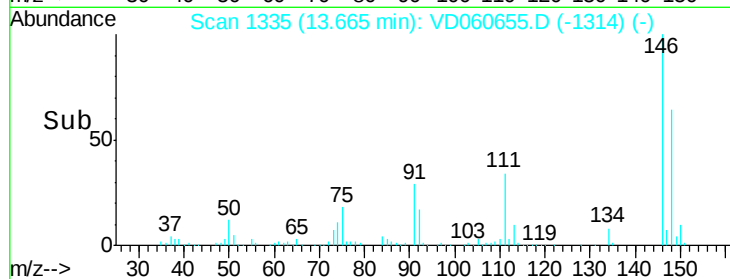
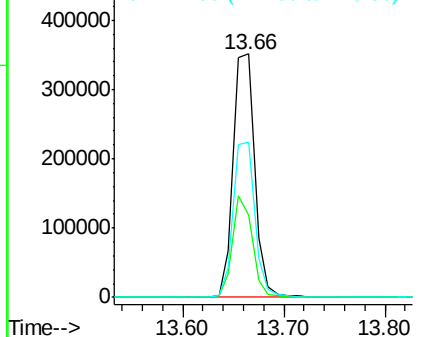
Tgt Ion	Ratio	Lower	Upper
146	100		
111	33.9	19.3	57.9
148	63.9	31.9	95.9

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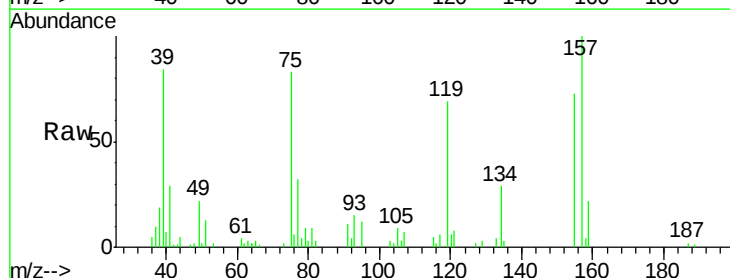


Abundance Ion 145.95 (145.65 to 146.65): V
 Ion 110.90 (110.60 to 111.60): V
 Ion 147.90 (147.60 to 148.60): V

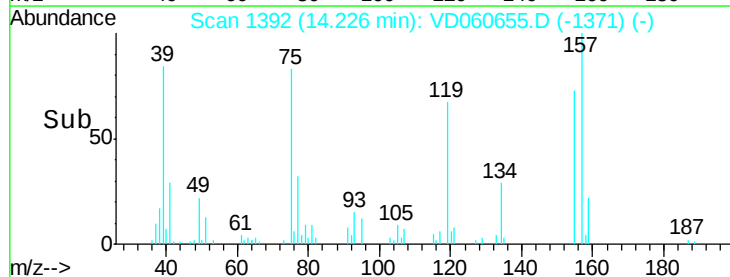
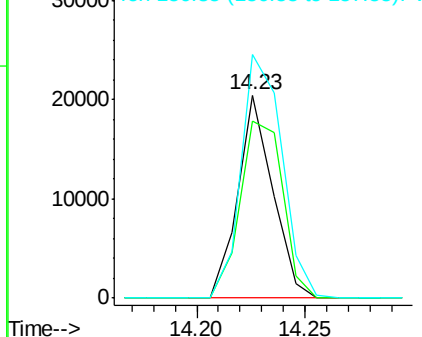


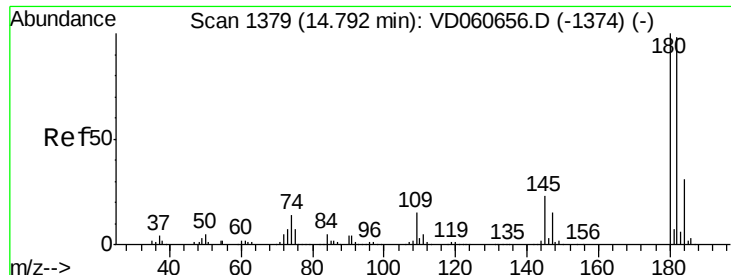
#92
 1,2-Dibromo-3-Chloropropane
 Concen: 17.875 ug/l
 RT: 14.23 min Scan# 1392
 Delta R.T. 0.00 min
 Lab File: VD060655.D
 Acq: 20 Dec 2018 12:59

Tgt Ion	Ratio	Lower	Upper
75	100		
155	87.5	41.1	123.4
157	120.0	52.5	157.6



Abundance Ion 75.00 (74.70 to 75.70): V
 Ion 154.90 (154.60 to 155.60): V
 Ion 156.85 (156.55 to 157.55): V





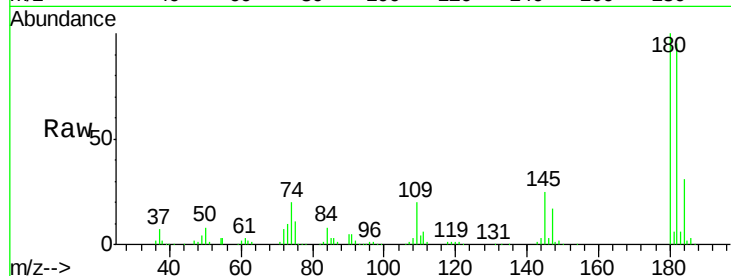
#93
 1,2,4-Trichlorobenzene
 Concen: 19.329 ug/l
 RT: 14.79 min Scan# 1449
 Delta R.T. -0.01 min
 Lab File: VD060655.D
 Acq: 20 Dec 2018 12:59

Instrument :
 MSVOA_D
 ClientSampleId :
 VSTDIC020

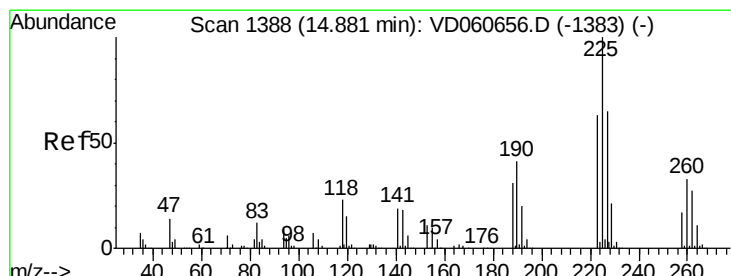
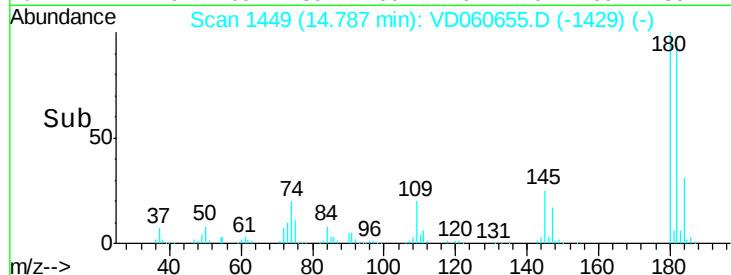
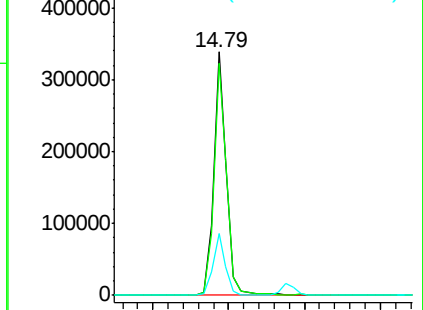
Tgt Ion	Ratio	Resp	Lower	Upper
180	100	401911		
182	95.4	48.8	146.4	
145	25.4	11.8	35.3	

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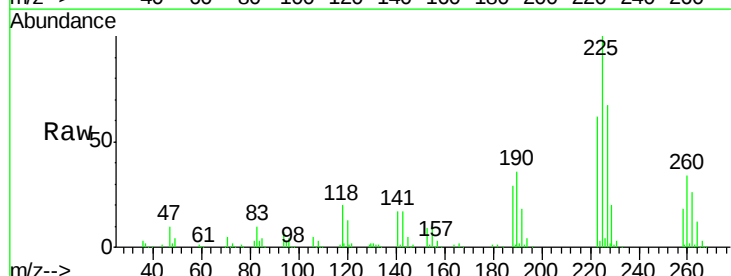


Abundance Ion 179.85 (179.55 to 180.55): V
 Ion 181.85 (181.55 to 182.55): V
 Ion 144.95 (144.65 to 145.65): V

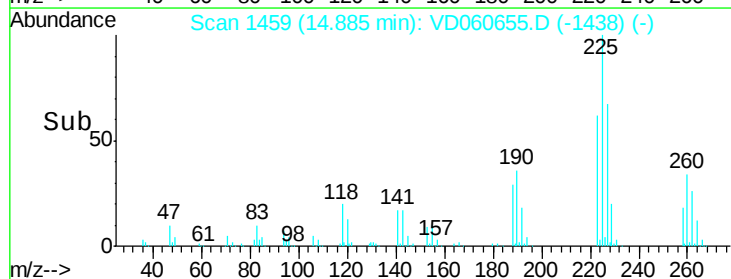
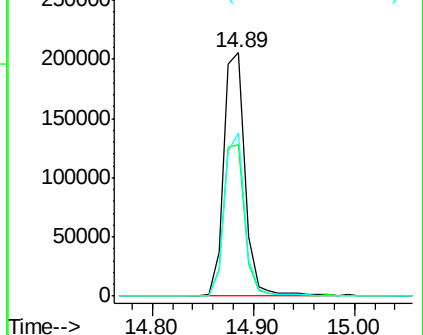


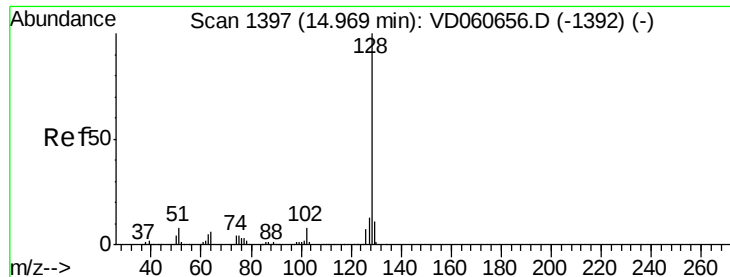
#94
 Hexachlorobutadiene
 Concen: 20.259 ug/l
 RT: 14.89 min Scan# 1459
 Delta R.T. 0.00 min
 Lab File: VD060655.D
 Acq: 20 Dec 2018 12:59

Tgt Ion	Ratio	Resp	Lower	Upper
225	100	303221		
223	62.2	31.3	93.8	
227	66.9	32.5	97.4	



Abundance Ion 224.75 (224.45 to 225.45): V
 Ion 222.75 (222.45 to 223.45): V
 Ion 226.75 (226.45 to 227.45): V





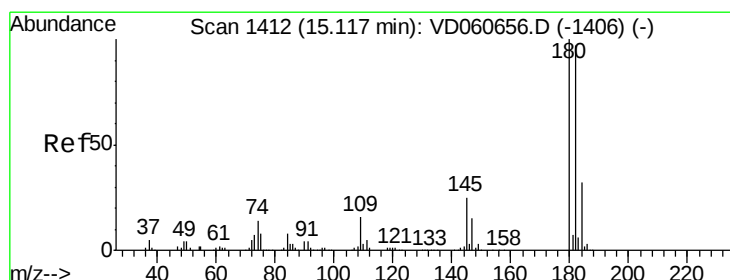
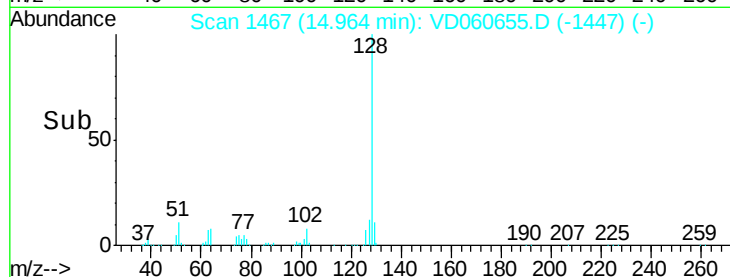
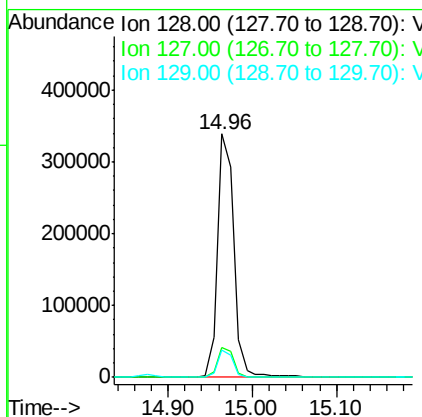
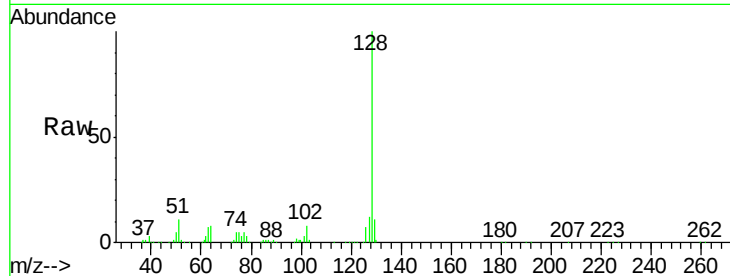
#95
Naphthalene
Concen: 18.014 ug/l
RT: 14.96 min Scan# 1467
Delta R.T. -0.01 min
Lab File: VD060655.D
Acq: 20 Dec 2018 12:59

Instrument :
MSVOA_D
ClientSampleId :
VSTDIC020

Tgt Ion	Ratio	Lower	Upper
128	100		
127	12.3	10.1	15.1
129	11.2	8.6	13.0

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#96
1,2,3-Trichlorobenzene
Concen: 18.307 ug/l
RT: 15.11 min Scan# 1482
Delta R.T. -0.01 min
Lab File: VD060655.D
Acq: 20 Dec 2018 12:59

Tgt Ion	Ratio	Lower	Upper
180	100		
182	95.4	48.6	145.9
145	23.4	12.6	37.8

