

Data Path : Z:\VOASRV\HPCHEM1\MSVOA_D\DATA\VD121918\
 Data File : VD060631.D
 Acq On : 19 Dec 2018 10:30
 Operator : VA/AP
 Sample : VSTDCCC050
 Misc : 5.00g/5ml/MSVOA_D/SOIL
 ALS Vial : 3 Sample Multiplier: 1

Instrument :
 MSVOA_D
 ClientSampleId :
 VSTDCCC050

Manual Integrations
 APPROVED

apatel
 12/20/2018 11:58:41 AM

Quant Time: Dec 20 00:51:38 2018
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_D\METHOD\82D120518S.M
 Quant Title : SW846 8260
 QLast Update : Thu Dec 06 01:49:20 2018
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Pentafluorobenzene	6.41	168	1582919	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	7.44	114	2168034	50.00	ug/l	0.00
63) Chlorobenzene-d5	11.28	117	1794676	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.37	152	948541	50.00	ug/l	0.00

System Monitoring Compounds

33) 1,2-Dichloroethane-d4	6.78	65	534864	47.67	ug/l	0.00
Spiked Amount	50.000		Recovery	=	95.34%	
35) Dibromofluoromethane	6.32	113	758430	47.63	ug/l	0.00
Spiked Amount	50.000		Recovery	=	95.26%	
50) Toluene-d8	9.45	98	2193397	47.60	ug/l	0.00
Spiked Amount	50.000		Recovery	=	95.20%	
62) 4-Bromofluorobenzene	12.42	95	793405	48.12	ug/l	0.00
Spiked Amount	50.000		Recovery	=	96.24%	

Target Compounds

						Qvalue
2) Dichlorodifluoromethane	1.61	85	688720	45.107	ug/l	99
3) Chloromethane	1.78	50	707753	43.518	ug/l	100
4) Vinyl Chloride	1.87	62	608477	46.878	ug/l	98
5) Bromomethane	2.18	94	167440	51.564	ug/l	97
6) Chloroethane	2.28	64	205595	48.628	ug/l	95
7) Trichlorofluoromethane	2.53	101	766256	51.126	ug/l	100
8) Diethyl Ether	2.85	74	128376	49.590	ug/l	91
9) 1,1,2-Trichlorotrifluoroet	3.10	101	511267	52.575	ug/l	98
10) Methyl Iodide	3.26	142	594311	52.284	ug/l	100
11) Tert butyl alcohol	3.98	59	94286	206.848	ug/l	98
12) 1,1-Dichloroethene	3.09	96	413561	52.270	ug/l	90
13) Acrolein	3.00	56	119810	240.549	ug/l	92
14) Allyl chloride	3.55	41	741333	49.385	ug/l	99
15) Acrylonitrile	4.10	53	619158	239.224	ug/l	97
16) Acetone	3.17	43	506347	281.551	ug/l	98
17) Carbon Disulfide	3.33	76	1216975	47.353	ug/l	99
18) Methyl Acetate	3.58	43	198898	46.534	ug/l	98
19) Methyl tert-butyl Ether	4.14	73	1046920	47.715	ug/l	100
20) Methylene Chloride	3.73	84	831060	50.360	ug/l	97
21) trans-1,2-Dichloroethene	4.12	96	835218	48.530	ug/l	97
22) Diisopropyl ether	4.86	45	2628324	48.766	ug/l	100
23) Vinyl Acetate	4.82	43	6473700	242.430	ug/l	100
24) 1,1-Dichloroethane	4.77	63	1439189	51.401	ug/l	99
25) 2-Butanone	5.62	43	945356	267.184	ug/l	99
26) 2,2-Dichloropropane	5.59	77	1155801	53.435	ug/l	98
27) cis-1,2-Dichloroethene	5.60	96	883305	50.478	ug/l	96
28) Bromochloromethane	5.93	49	609184	49.114	ug/l	94
29) Tetrahydrofuran	5.96	42	474941	237.041	ug/l	100
30) Chloroform	6.10	83	1436047	50.909	ug/l	99
31) Cyclohexane	6.37	56	1237051	51.805	ug/l	95
32) 1,1,1-Trichloroethane	6.29	97	1158640	49.964	ug/l	98
36) 1,1-Dichloropropene	6.53	75	1109391	52.349	ug/l	99
37) Ethyl Acetate	5.70	43	448262	48.773	ug/l	98
38) Carbon Tetrachloride	6.50	117	985610	51.805	ug/l	99

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Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
39) Methylcyclohexane	8.03	83	1210327	50.099	ug/l	99
40) Benzene	6.79	78	2921000	53.932	ug/l	100
41) Methacrylonitrile	5.93	41	250432m	50.547	ug/l	
42) 1,2-Dichloroethane	6.89	62	718166	52.152	ug/l	98
43) Isopropyl Acetate	8.35	43	552181	48.671	ug/l #	96
44) Trichloroethene	7.74	130	843099	52.088	ug/l	98
45) 1,2-Dichloropropane	8.10	63	712577	53.196	ug/l	99
46) Dibromomethane	8.21	93	393269	50.814	ug/l	95
47) Bromodichloromethane	8.49	83	998960	54.399	ug/l	98
48) Methyl methacrylate	8.24	41	338371	50.406	ug/l	99
49) 1,4-Dioxane	8.22	88	62008	1019.178	ug/l	99
51) 4-Methyl-2-Pentanone	9.33	43	1813163	256.922	ug/l	99
52) Toluene	9.55	92	1740334	51.411	ug/l	100
53) t-1,3-Dichloropropene	9.91	75	819150	54.288	ug/l	100
54) cis-1,3-Dichloropropene	9.10	75	1077053	54.328	ug/l	98
55) 1,1,2-Trichloroethane	10.18	97	474721	50.357	ug/l	97
56) Ethyl methacrylate	10.02	69	453701	53.178	ug/l	98
57) 1,3-Dichloropropane	10.38	76	773144	53.053	ug/l	99
58) 2-Chloroethyl Vinyl ether	8.92	63	1333436	261.208	ug/l	100
59) 2-Hexanone	10.48	43	1384911	280.753	ug/l	97
60) Dibromochloromethane	10.63	129	635223	53.895	ug/l	96
61) 1,2-Dibromoethane	10.75	107	492512	51.265	ug/l	99
64) Tetrachloroethene	10.25	164	802054	50.470	ug/l	99
65) Chlorobenzene	11.31	112	1854300	48.839	ug/l	100
66) 1,1,1,2-Tetrachloroethane	11.42	131	651360	53.227	ug/l	96
67) Ethyl Benzene	11.42	91	3276350	50.591	ug/l	97
68) m/p-Xylenes	11.57	106	2370534	98.942	ug/l	99
69) o-Xylene	11.93	106	1163868	50.973	ug/l	98
70) Styrene	11.95	104	1868403	50.980	ug/l	97
71) Bromoform	12.11	173	416805	51.051	ug/l	99
73) Isopropylbenzene	12.27	105	3129475	46.624	ug/l	97
74) N-amyl acetate	12.13	43	744951	45.922	ug/l	98
75) 1,1,2,2-Tetrachloroethane	12.56	83	490599	45.655	ug/l	99
76) 1,2,3-Trichloropropane	12.59	75	501810	46.691	ug/l	98
77) Bromobenzene	12.54	156	853983	48.402	ug/l	86
78) n-propylbenzene	12.63	91	3984620	46.962	ug/l	96
79) 2-Chlorotoluene	12.70	91	2174993	47.240	ug/l	96
80) 1,3,5-Trimethylbenzene	12.79	105	2364381	46.099	ug/l	99
81) trans-1,4-Dichloro-2-buten	12.33	75	148560	49.561	ug/l	96
82) 4-Chlorotoluene	12.81	91	2389663	46.211	ug/l	96
83) tert-Butylbenzene	13.04	119	2754503	47.898	ug/l	94
84) 1,2,4-Trimethylbenzene	13.09	105	2470230	46.514	ug/l	98
85) sec-Butylbenzene	13.22	105	3373685	47.069	ug/l	95
86) p-Isopropyltoluene	13.34	119	2724284	47.948	ug/l	98
87) 1,3-Dichlorobenzene	13.31	146	1543150	48.306	ug/l	98
88) 1,4-Dichlorobenzene	13.39	146	1510644	48.204	ug/l	98
89) n-Butylbenzene	13.64	91	2794619	49.568	ug/l	98
90) Hexachloroethane	13.85	117	702999	49.348	ug/l	85
91) 1,2-Dichlorobenzene	13.65	146	1222801	46.839	ug/l	97
92) 1,2-Dibromo-3-Chloropropan	14.22	75	61018	46.863	ug/l	68

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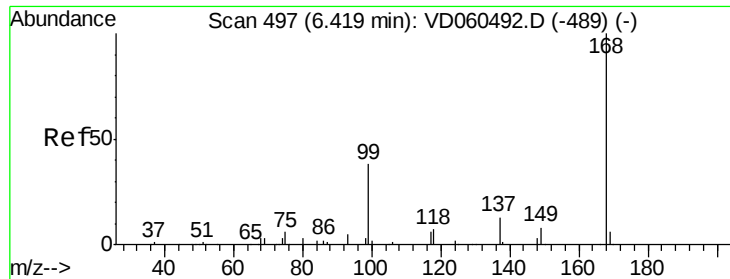
Manual Integrations
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Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
93) 1,2,4-Trichlorobenzene	14.78	180	981482	48.093	ug/l	97
94) Hexachlorobutadiene	14.87	225	711257	47.237	ug/l	98
95) Naphthalene	14.96	128	1145502	47.182	ug/l	100
96) 1,2,3-Trichlorobenzene	15.11	180	778003	47.844	ug/l	98

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



#1

Pentafluorobenzene

Concen: 50.000 ug/l

RT: 6.41 min Scan# 496

Delta R.T. -0.01 min

Lab File: VD060631.D

Acq: 19 Dec 2018 10:30

Instrument :

MSVOA_D

ClientSampleId :

VSTDCCC050

Tgt Ion: 168 Resp: 1582919

Ion Ratio Lower Upper

168 100

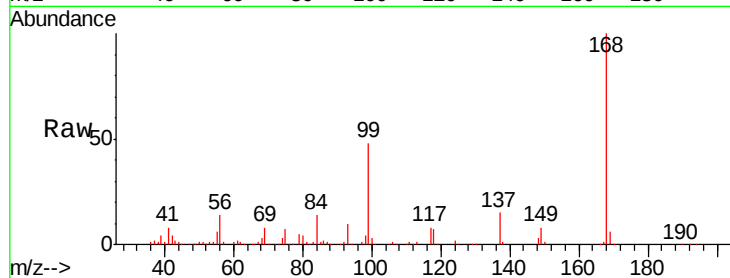
99 48.2 35.6 53.4

Manual Integrations

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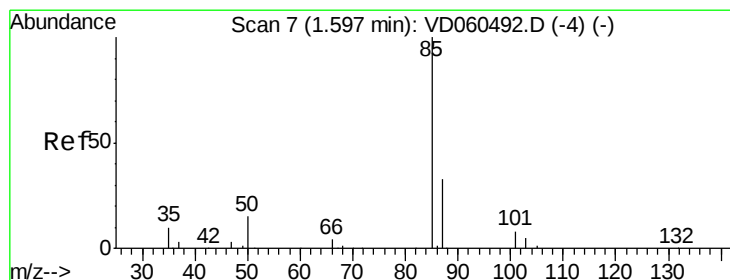
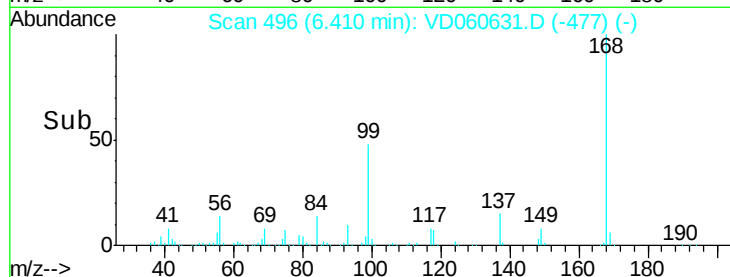
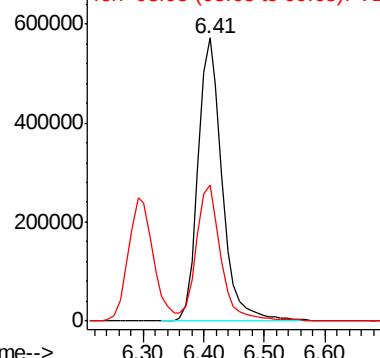
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Abundance Ion 167.90 (167.60 to 168.60): V

Ion 98.95 (98.65 to 99.65): VDC



#2

Dichlorodifluoromethane

Concen: 45.107 ug/l

RT: 1.61 min Scan# 8

Delta R.T. 0.01 min

Lab File: VD060631.D

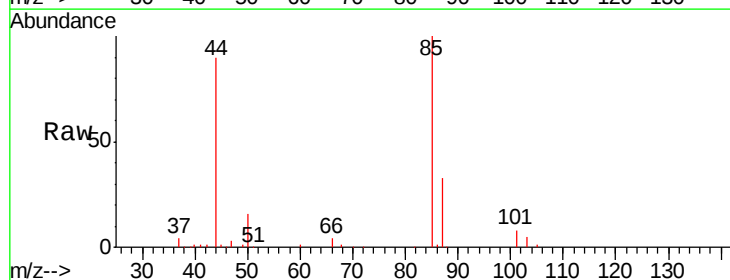
Acq: 19 Dec 2018 10:30

Tgt Ion: 85 Resp: 688720

Ion Ratio Lower Upper

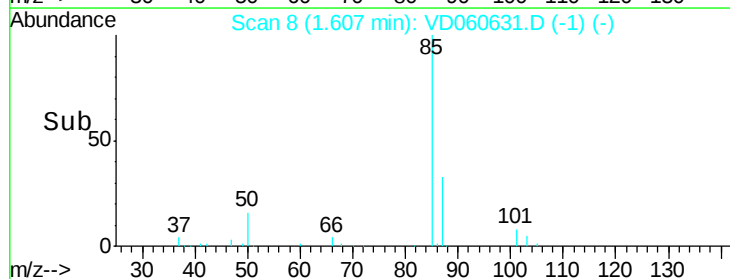
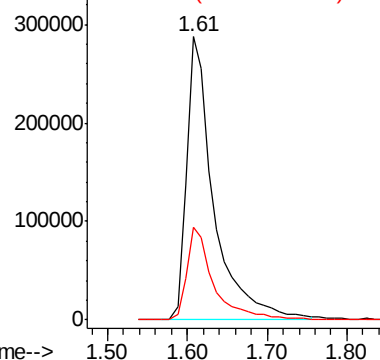
85 100

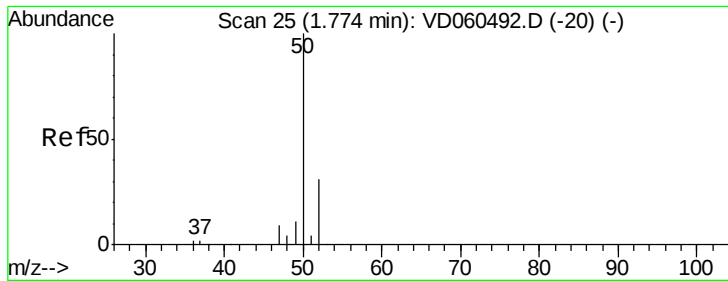
87 32.6 16.7 50.0



Abundance Ion 84.95 (84.65 to 85.65): VDC

Ion 86.90 (86.60 to 87.60): VDC





#3

Chloromethane

Concen: 43.518 ug/l

RT: 1.78 min Scan# 26

Delta R.T. 0.01 min

Lab File: VD060631.D

Acq: 19 Dec 2018 10:30

Instrument :

MSVOA_D

ClientSampleId :

VSTDCCC050

Tgt Ion: 50 Resp: 707753

Ion Ratio Lower Upper

50 100

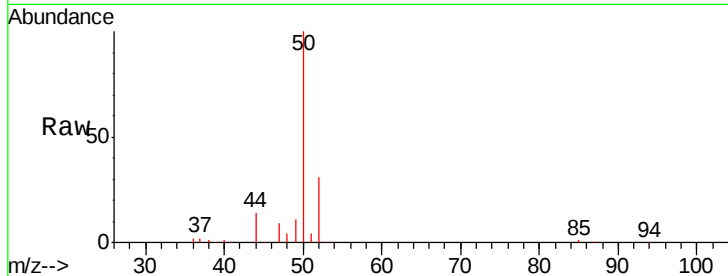
52 31.4 25.0 37.4

Manual Integrations

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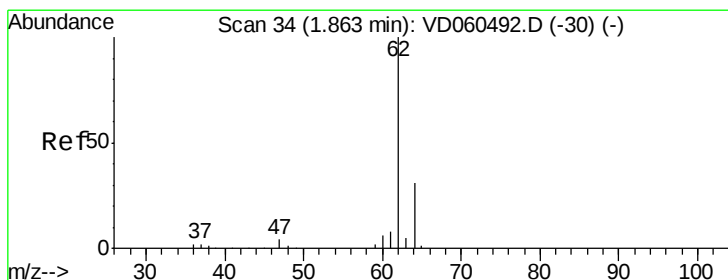
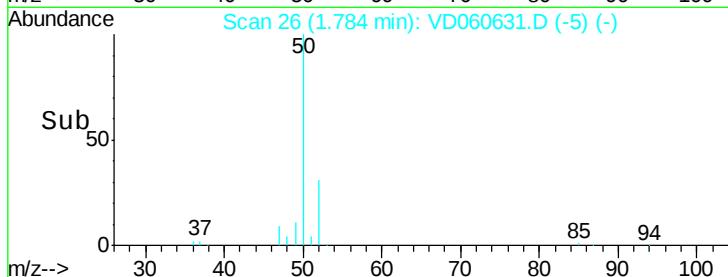
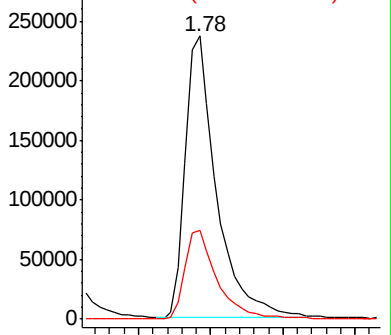
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Abundance Ion 49.90 (49.60 to 50.60): VDC

Ion 51.90 (51.60 to 52.60): VDC



#4

Vinyl Chloride

Concen: 46.878 ug/l

RT: 1.87 min Scan# 35

Delta R.T. 0.01 min

Lab File: VD060631.D

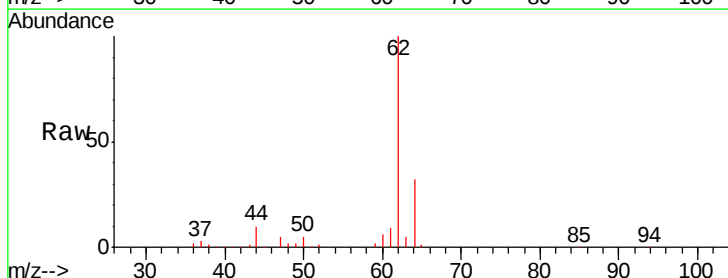
Acq: 19 Dec 2018 10:30

Tgt Ion: 62 Resp: 608477

Ion Ratio Lower Upper

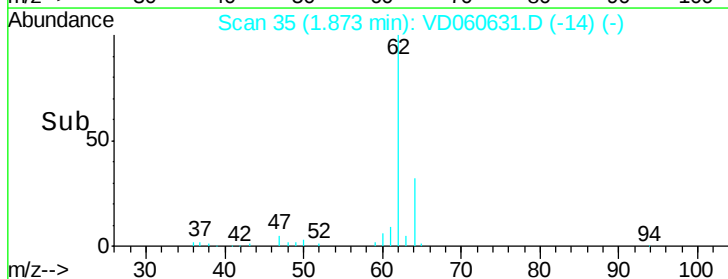
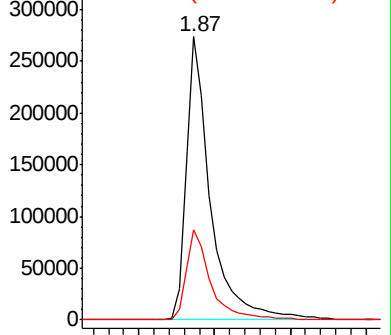
62 100

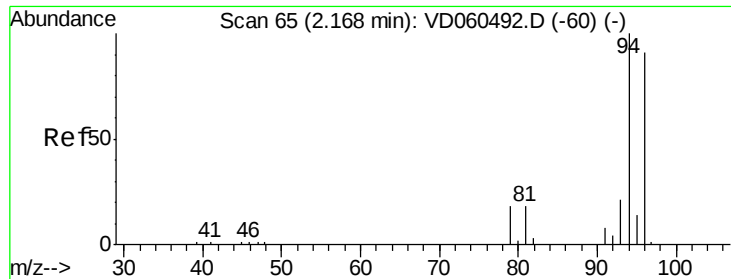
64 32.0 24.6 37.0



Abundance Ion 61.95 (61.65 to 62.65): VDC

Ion 63.95 (63.65 to 64.65): VDC





#5

Bromomethane

Concen: 51.564 ug/l

RT: 2.18 min Scan# 66

Delta R.T. 0.01 min

Lab File: VD060631.D

Acq: 19 Dec 2018 10:30

Instrument :

MSVOA_D

ClientSampleId :

VSTDCCC050

Tgt Ion: 94 Resp: 167440

Ion Ratio Lower Upper

94 100

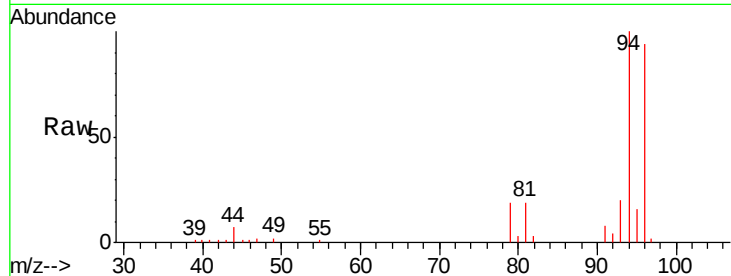
96 93.8 72.6 108.8

Manual Integrations

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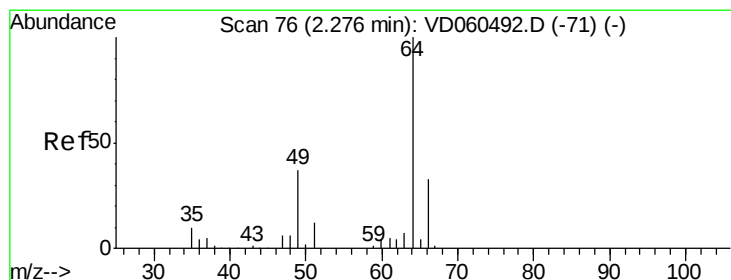
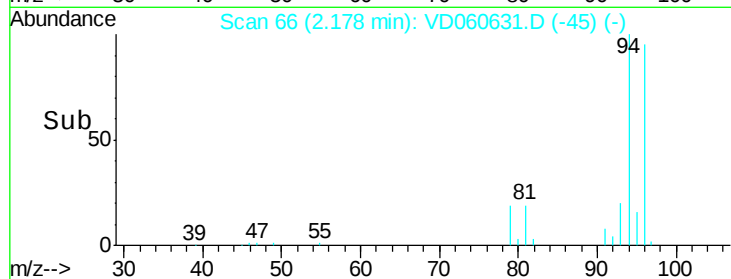
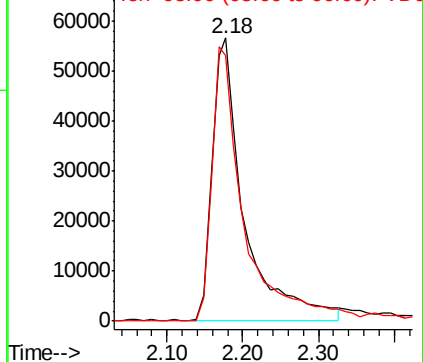
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Abundance Ion 93.90 (93.60 to 94.60): VDC

Ion 95.90 (95.60 to 96.60): VDC



#6

Chloroethane

Concen: 48.628 ug/l

RT: 2.28 min Scan# 76

Delta R.T. 0.00 min

Lab File: VD060631.D

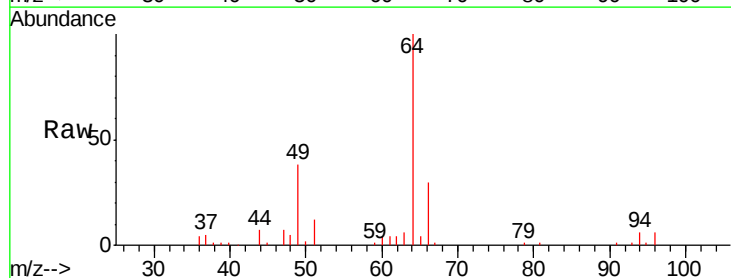
Acq: 19 Dec 2018 10:30

Tgt Ion: 64 Resp: 205595

Ion Ratio Lower Upper

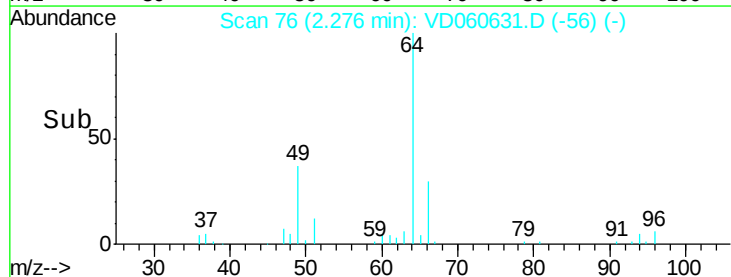
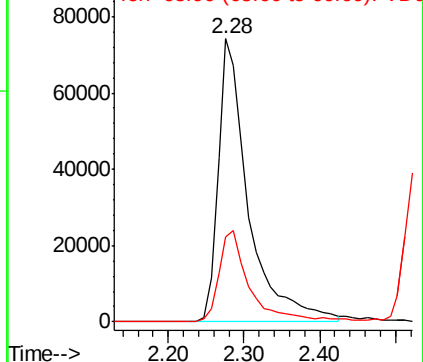
64 100

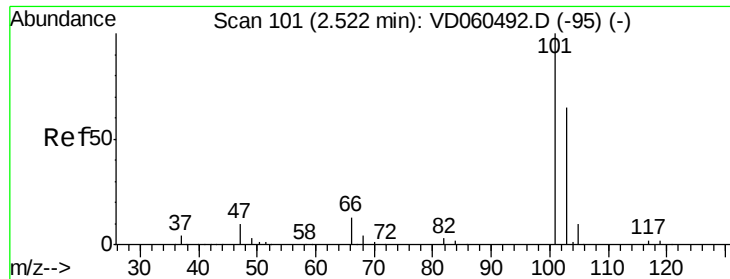
66 30.1 26.4 39.6



Abundance Ion 63.95 (63.65 to 64.65): VDC

Ion 65.90 (65.60 to 66.60): VDC





#7

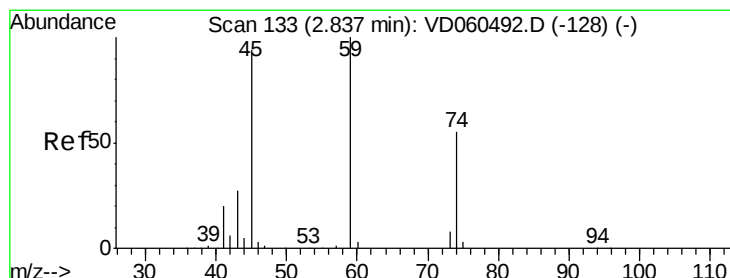
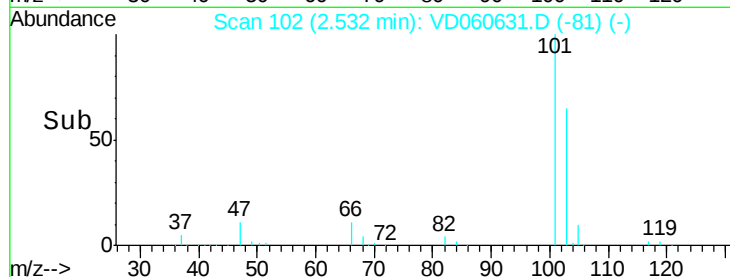
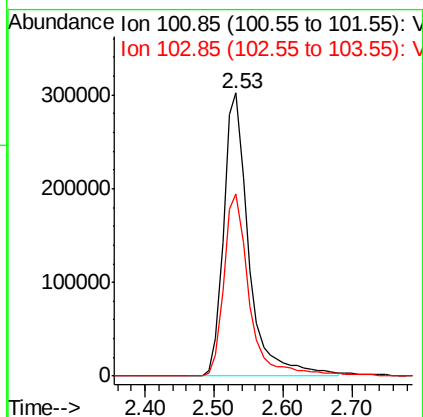
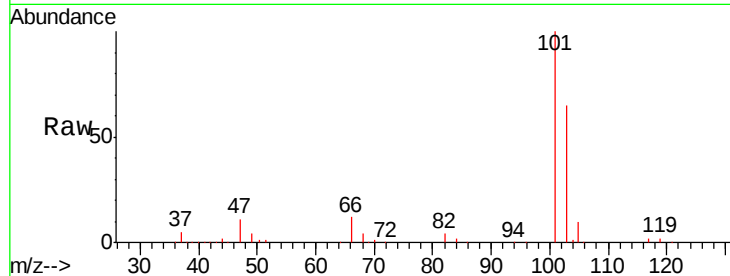
Trichlorofluoromethane
Concen: 51.126 ug/l
RT: 2.53 min Scan# 102
Delta R.T. 0.01 min
Lab File: VD060631.D
Acq: 19 Dec 2018 10:30

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MSVOA_D
ClientSampleId :
VSTDCCC050

Tgt Ion: 101 Resp: 766256
Ion Ratio Lower Upper
101 100
103 64.6 51.8 77.8

Manual Integrations
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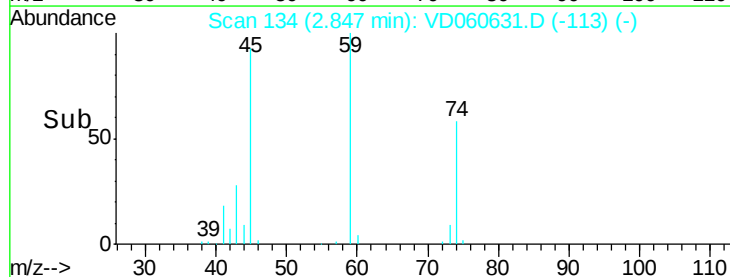
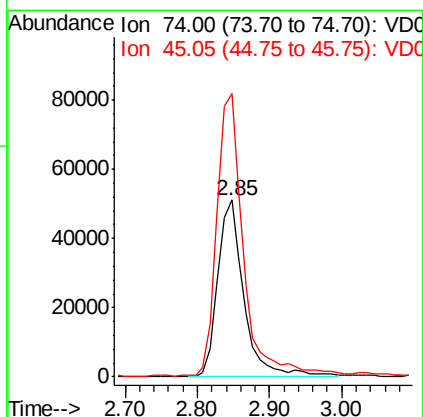
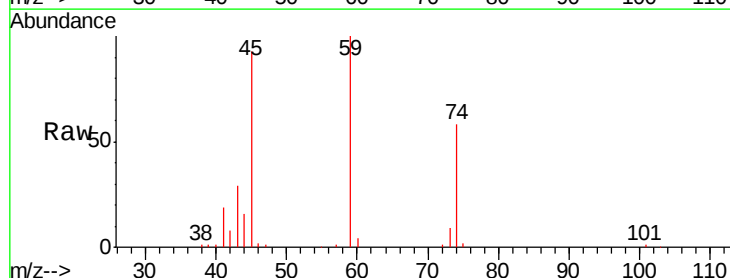
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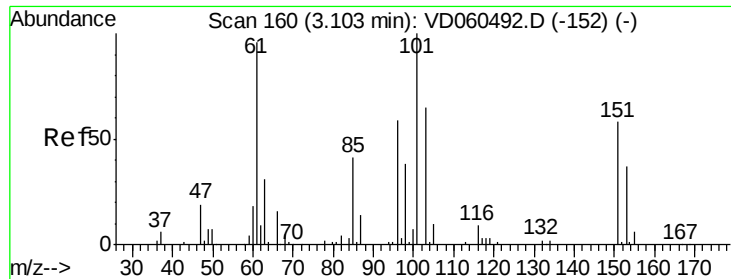


#8

Diethyl Ether
Concen: 49.590 ug/l
RT: 2.85 min Scan# 134
Delta R.T. 0.01 min
Lab File: VD060631.D
Acq: 19 Dec 2018 10:30

Tgt Ion: 74 Resp: 128376
Ion Ratio Lower Upper
74 100
45 160.0 86.0 258.0





#9

1,1,2-Trichlorotrifluoroethane

Concen: 52.575 ug/l

RT: 3.10 min Scan# 160

Delta R.T. 0.00 min

Lab File: VD060631.D

Acq: 19 Dec 2018 10:30

Instrument :

MSVOA_D

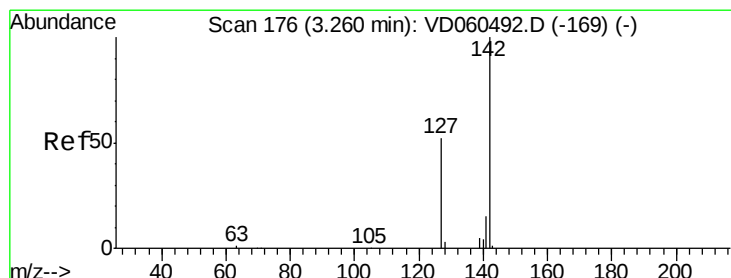
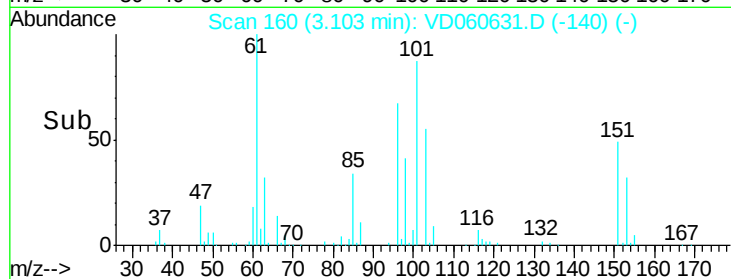
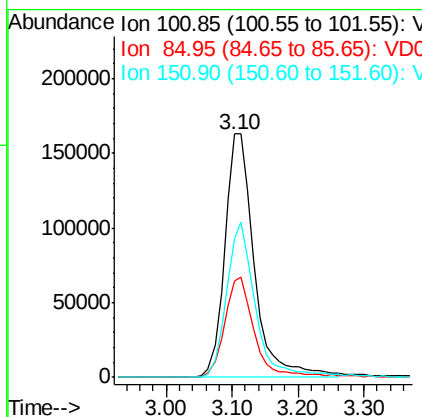
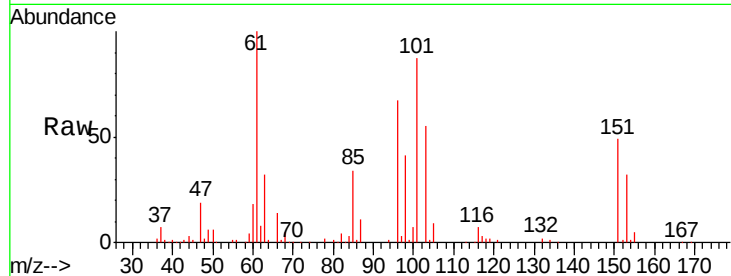
ClientSampleId :

VSTDCCC050

Tgt Ion:	101	Resp:	511267
Ion Ratio	Lower	Upper	
101	100		
85	39.4	32.7	49.1
151	56.7	46.6	69.8

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#10

Methyl Iodide

Concen: 52.284 ug/l

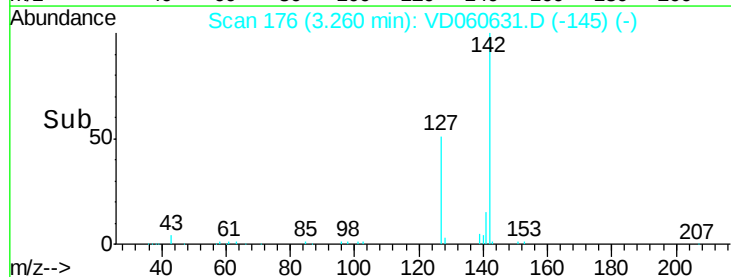
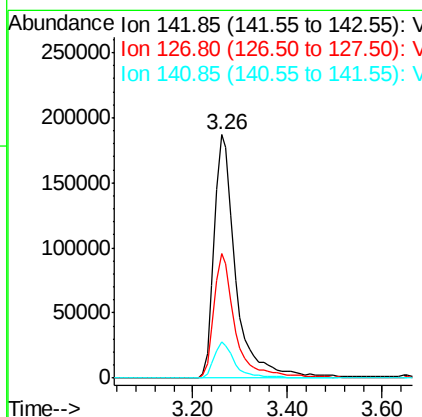
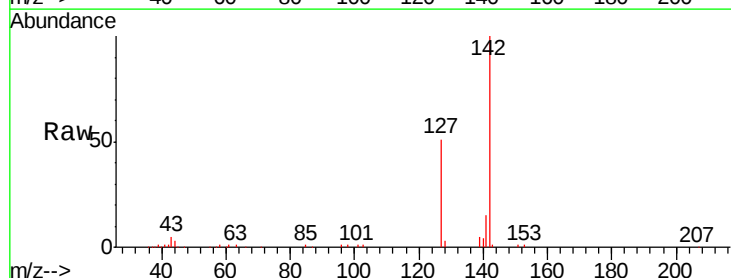
RT: 3.26 min Scan# 176

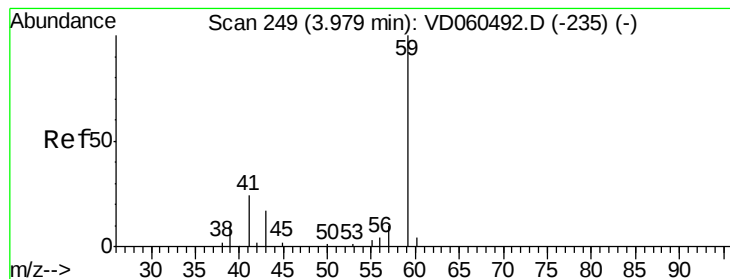
Delta R.T. 0.00 min

Lab File: VD060631.D

Acq: 19 Dec 2018 10:30

Tgt Ion:	142	Resp:	594311
Ion Ratio	Lower	Upper	
142	100		
127	51.3	41.2	61.8
141	14.9	11.9	17.9





#11

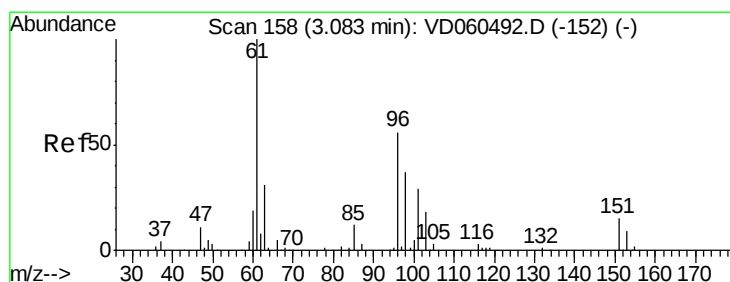
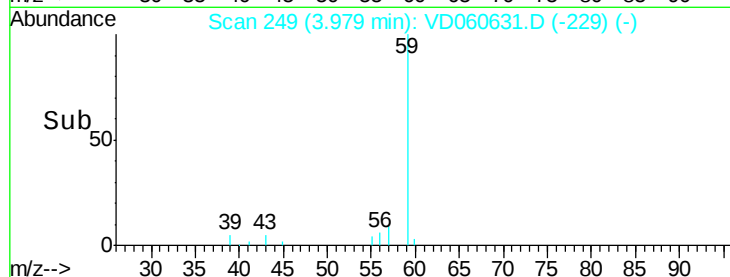
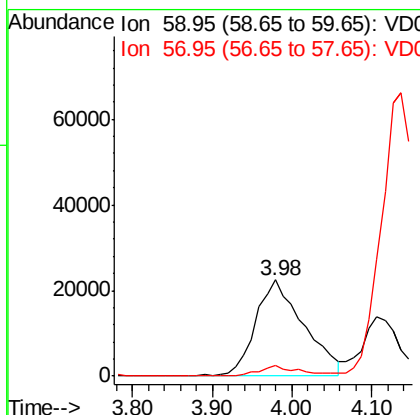
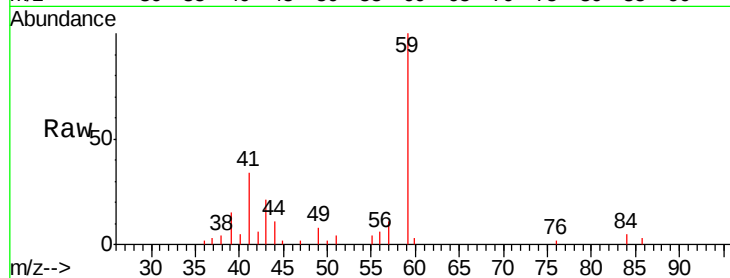
Tert butyl alcohol
Concen: 206.848 ug/l
RT: 3.98 min Scan# 249
Delta R.T. 0.00 min
Lab File: VD060631.D
Acq: 19 Dec 2018 10:30

Instrument :
MSVOA_D
ClientSampleId :
VSTDCCC050

Tgt Ion	Ratio	Lower	Upper
59	100		
57	10.7	8.1	12.1

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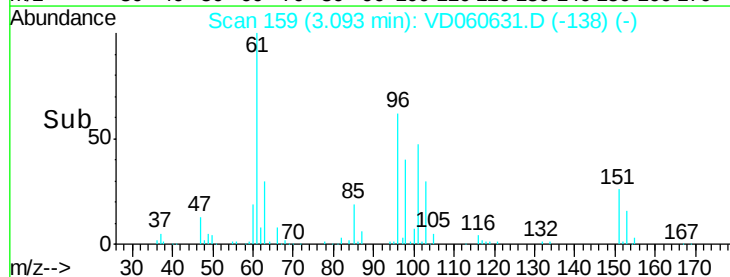
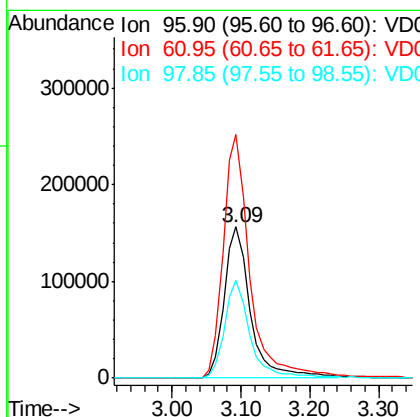
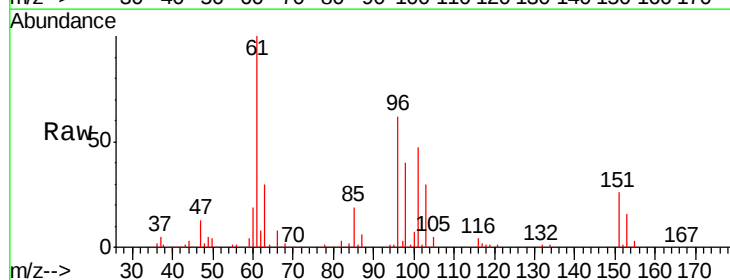
apatel
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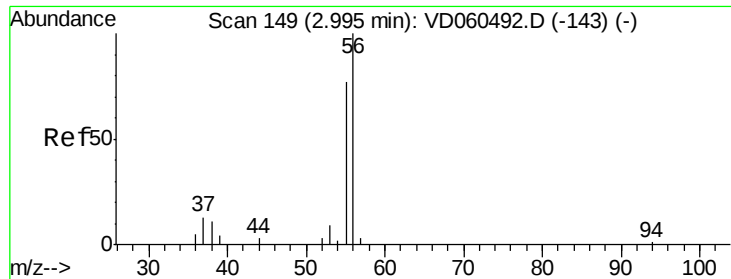


#12

1,1-Dichloroethene
Concen: 52.270 ug/l
RT: 3.09 min Scan# 159
Delta R.T. 0.01 min
Lab File: VD060631.D
Acq: 19 Dec 2018 10:30

Tgt Ion	Ratio	Lower	Upper
96	100		
61	160.8	143.0	214.4
98	64.7	53.4	80.0





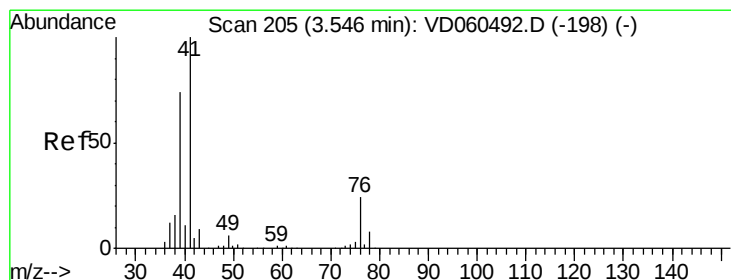
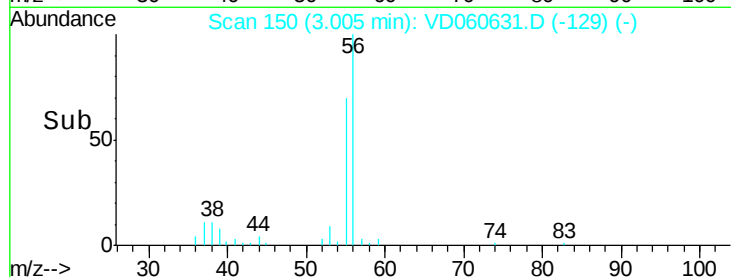
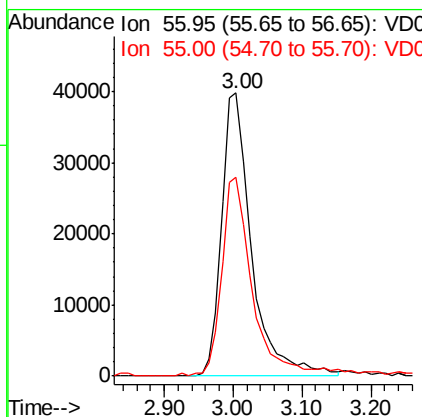
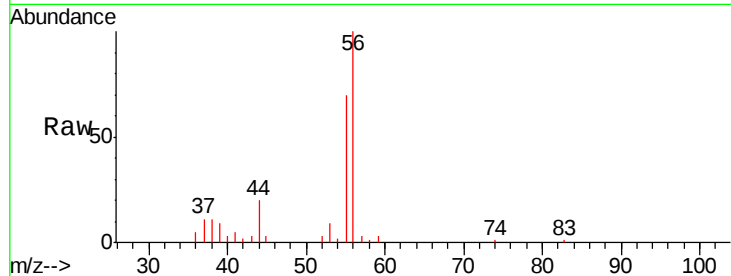
#13
Acrolein
Concen: 240.549 ug/l
RT: 3.00 min Scan# 150
Delta R.T. 0.01 min
Lab File: VD060631.D
Acq: 19 Dec 2018 10:30

Instrument :
MSVOA_D
ClientSampleId :
VSTDCCC050

Tgt Ion: 56 Resp: 119810
Ion Ratio Lower Upper
56 100
55 70.2 62.0 93.0

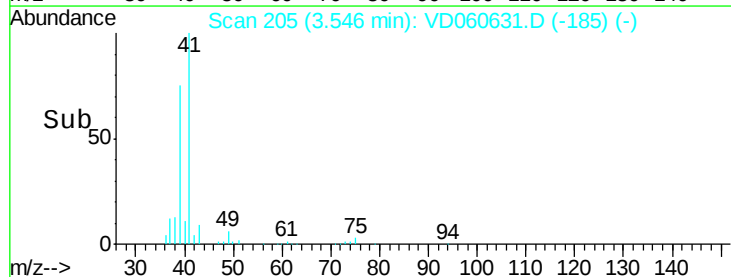
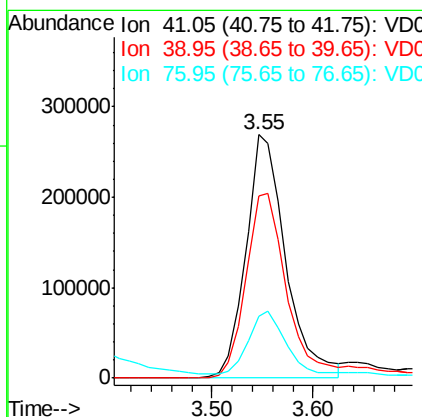
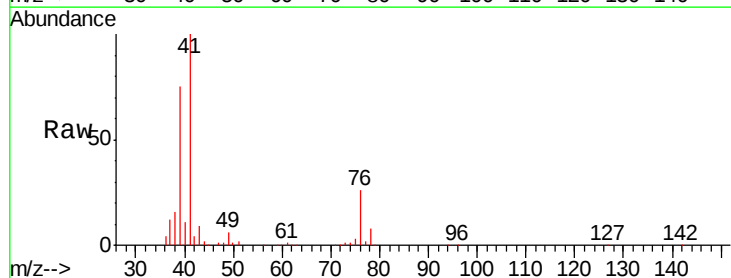
Manual Integrations
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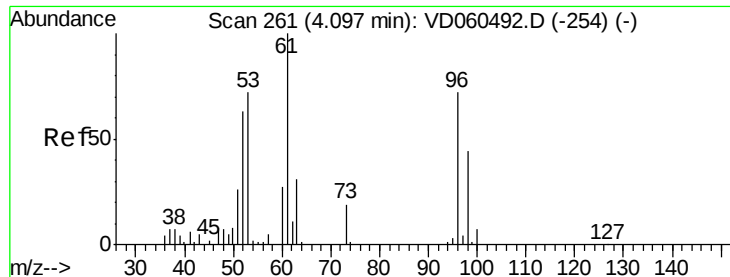
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#14
Allyl chloride
Concen: 49.385 ug/l
RT: 3.55 min Scan# 205
Delta R.T. 0.00 min
Lab File: VD060631.D
Acq: 19 Dec 2018 10:30

Tgt Ion: 41 Resp: 741333
Ion Ratio Lower Upper
41 100
39 75.0 59.3 88.9
76 25.6 21.0 31.6





#15

Acrylonitrile

Concen: 239.224 ug/l

RT: 4.10 min Scan# 261

Delta R.T. 0.00 min

Lab File: VD060631.D

Acq: 19 Dec 2018 10:30

Instrument :

MSVOA_D

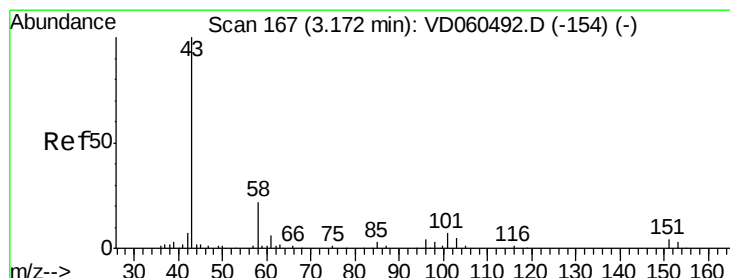
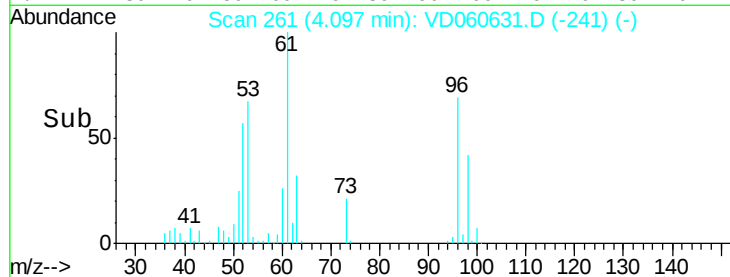
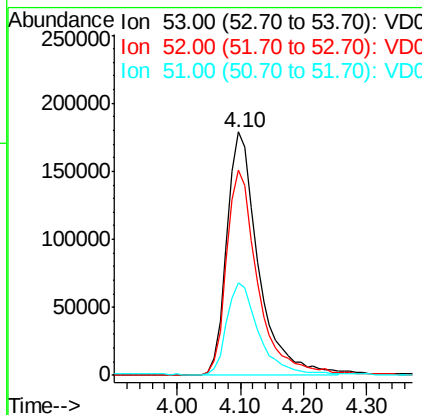
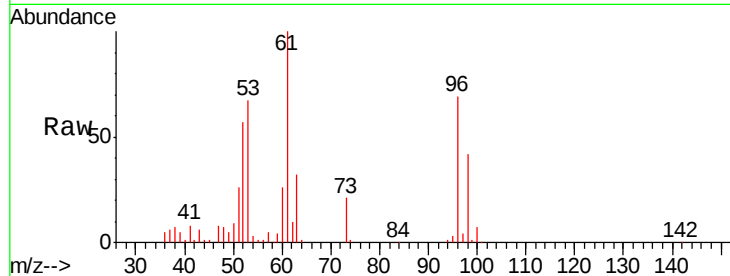
ClientSampleId :

VSTDCCC050

Tgt Ion:	53	Resp:	619158
Ion Ratio	Lower	Upper	
53	100		
52	84.4	70.0	105.0
51	38.2	28.8	43.2

Manual Integrations
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#16

Acetone

Concen: 281.551 ug/l

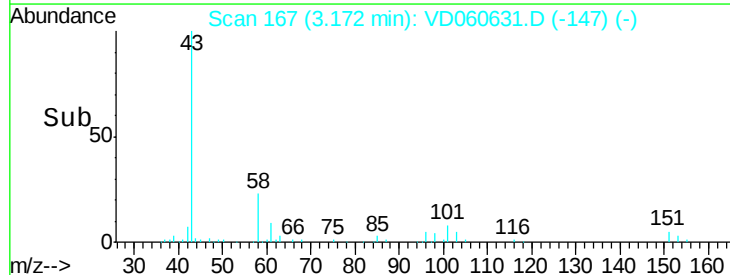
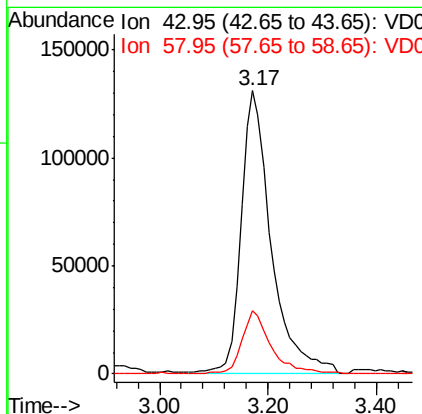
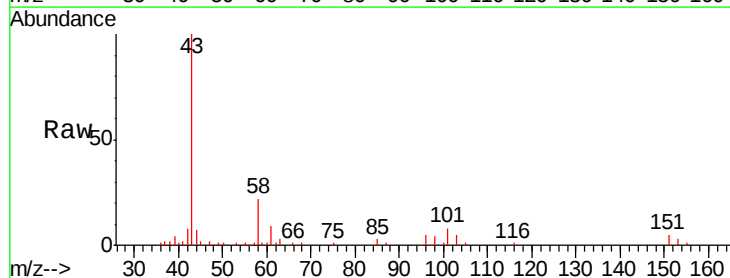
RT: 3.17 min Scan# 167

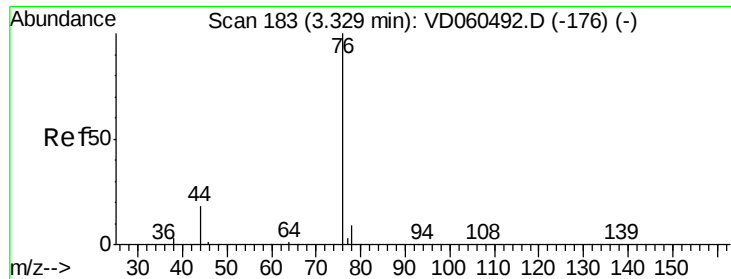
Delta R.T. 0.00 min

Lab File: VD060631.D

Acq: 19 Dec 2018 10:30

Tgt Ion:	43	Resp:	506347
Ion Ratio	Lower	Upper	
43	100		
58	22.4	17.3	25.9





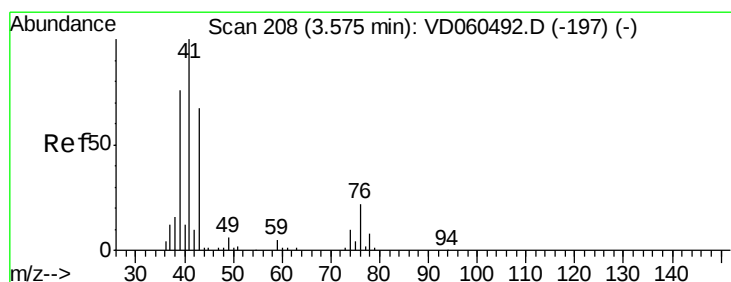
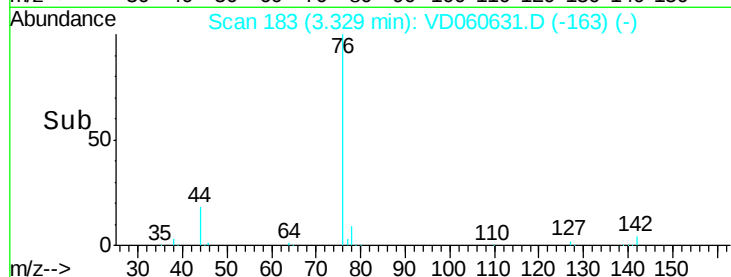
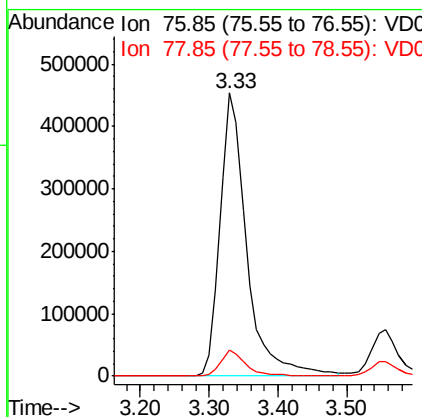
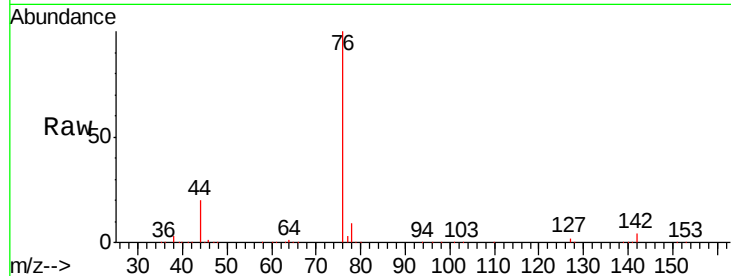
#17
Carbon Disulfide
Concen: 47.353 ug/l
RT: 3.33 min Scan# 183
Delta R.T. 0.00 min
Lab File: VD060631.D
Acq: 19 Dec 2018 10:30

Instrument :
MSVOA_D
ClientSampleId :
VSTDCCC050

Tgt Ion: 76 Resp: 1216975
Ion Ratio Lower Upper
76 100
78 9.3 7.0 10.6

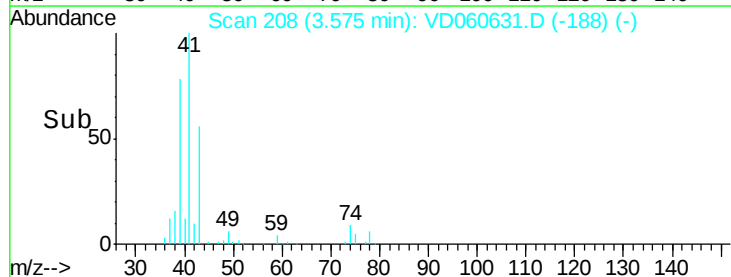
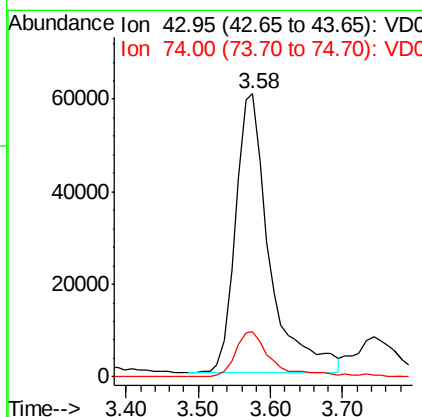
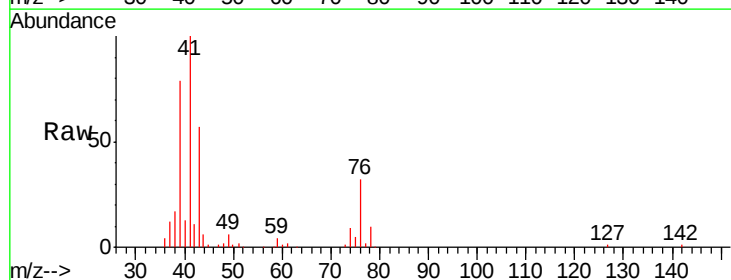
Manual Integrations
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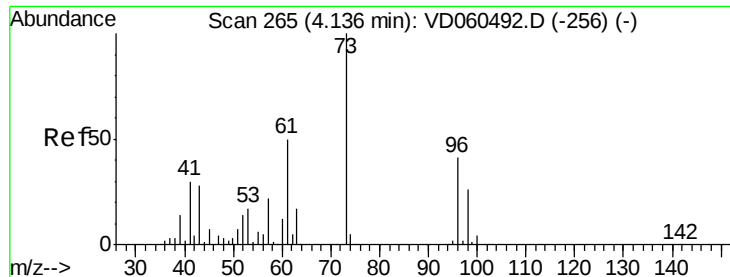
apatel
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#18
Methyl Acetate
Concen: 46.534 ug/l
RT: 3.58 min Scan# 208
Delta R.T. 0.00 min
Lab File: VD060631.D
Acq: 19 Dec 2018 10:30

Tgt Ion: 43 Resp: 198898
Ion Ratio Lower Upper
43 100
74 15.9 12.0 18.0





#19

Methyl tert-butyl Ether

Concen: 47.715 ug/l

RT: 4.14 min Scan# 265

Delta R.T. 0.00 min

Lab File: VD060631.D

Acq: 19 Dec 2018 10:30

Instrument :

MSVOA_D

ClientSampleId :

VSTDCCC050

Tgt Ion: 73 Resp: 1046920

Ion Ratio Lower Upper

73 100

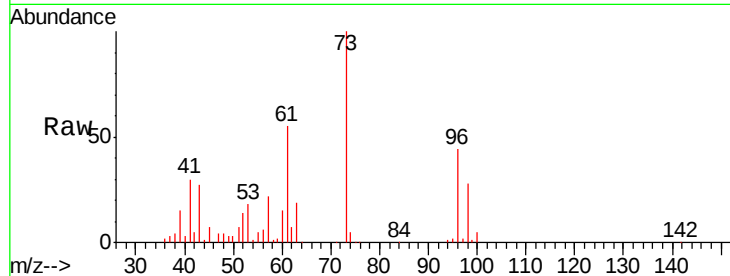
57 22.2 17.8 26.6

Manual Integrations

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Abundance Ion 73.00 (72.70 to 73.70): VDC

Ion 57.05 (56.75 to 57.75): VDC

4.14

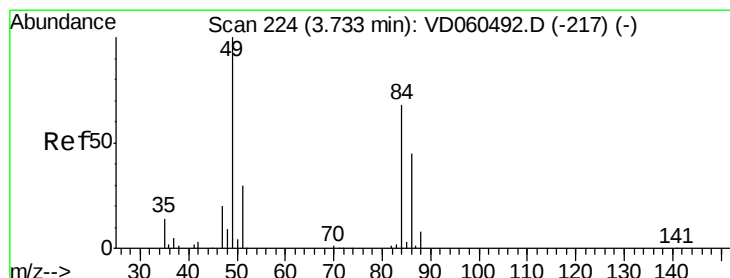
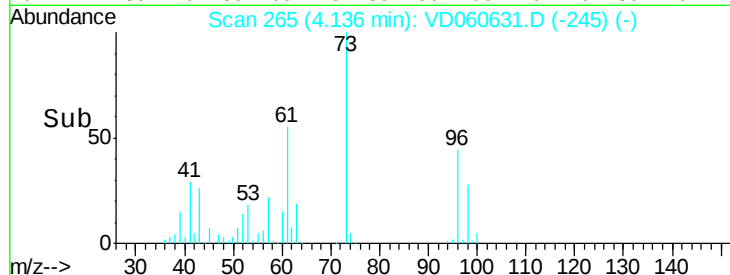
300000

200000

100000

0

Time-->



#20

Methylene Chloride

Concen: 50.360 ug/l

RT: 3.73 min Scan# 224

Delta R.T. 0.00 min

Lab File: VD060631.D

Acq: 19 Dec 2018 10:30

Tgt Ion: 84 Resp: 831060

Ion Ratio Lower Upper

84 100

49 142.0 117.2 175.8

51 43.5 35.3 52.9

86 63.3 53.2 79.8

Abundance Ion 83.95 (83.65 to 84.65): VDC

Ion 48.90 (48.60 to 49.60): VDC

Ion 50.90 (50.60 to 51.60): VDC

Ion 85.90 (85.60 to 86.60): VDC

3.73

600000

500000

400000

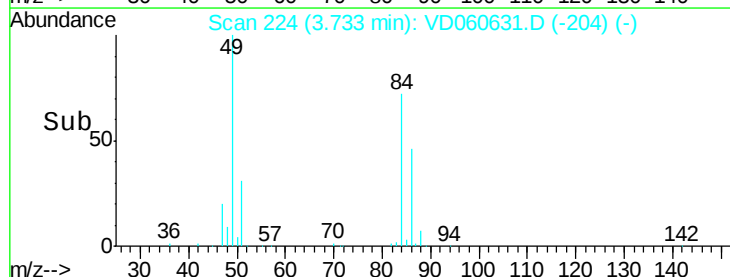
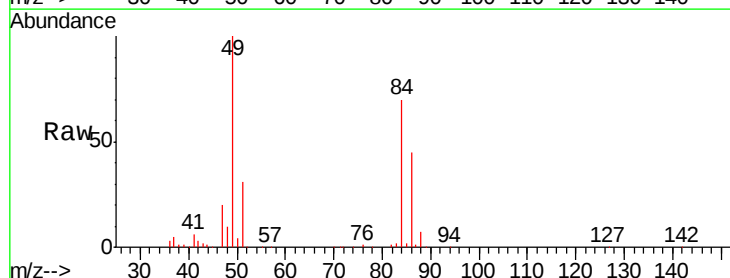
300000

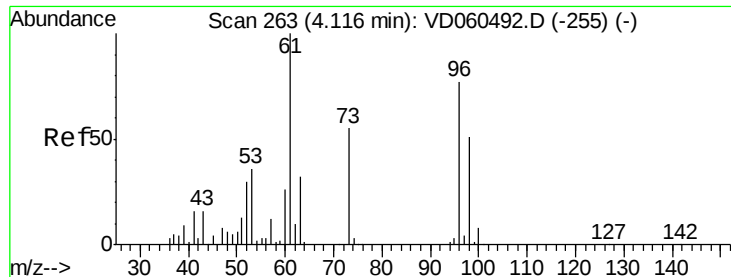
200000

100000

0

Time-->





#21

trans-1,2-Dichloroethene

Concen: 48.530 ug/l

RT: 4.12 min Scan# 263

Delta R.T. 0.00 min

Lab File: VD060631.D

Acq: 19 Dec 2018 10:30

Instrument :

MSVOA_D

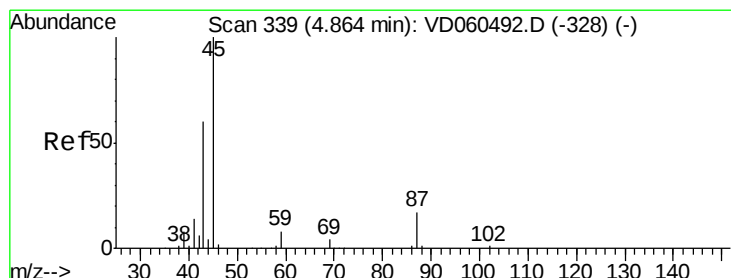
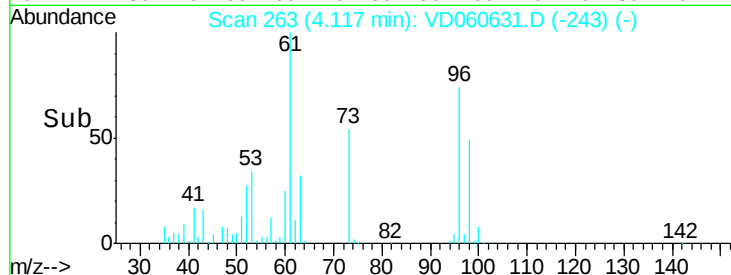
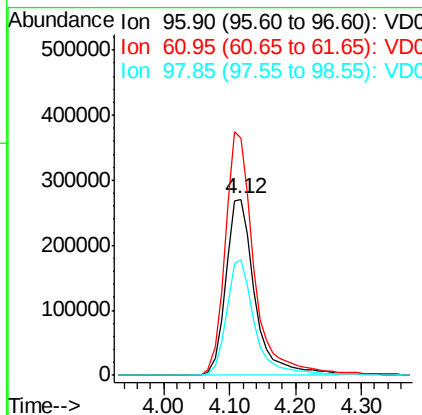
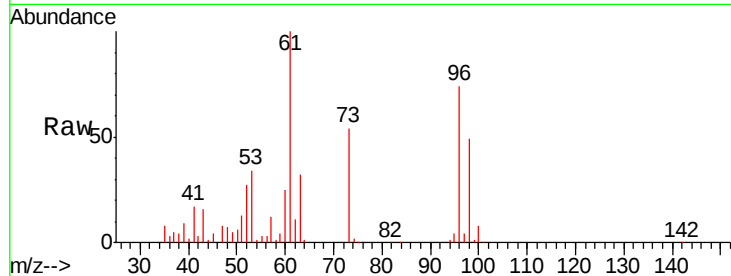
ClientSampleId :

VSTDCCC050

Tgt Ion:	96	Resp:	835218
Ion	Ratio	Lower	Upper
96	100		
61	135.0	104.2	156.4
98	65.9	52.8	79.2

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#22

Diisopropyl ether

Concen: 48.766 ug/l

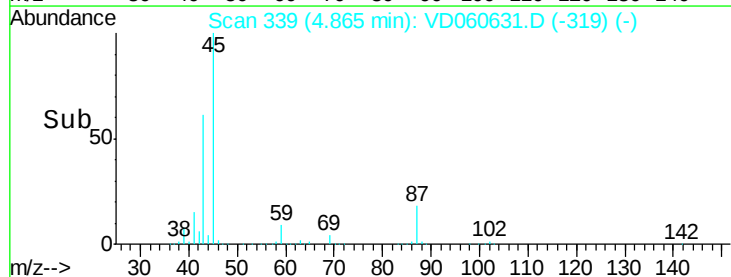
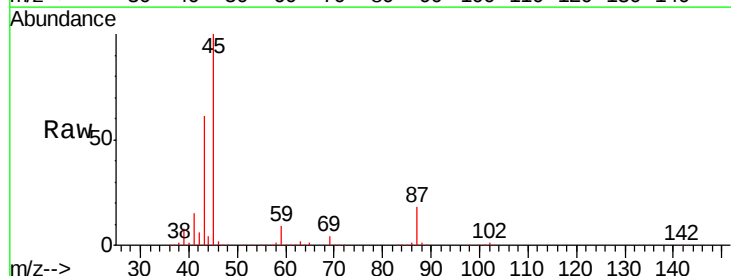
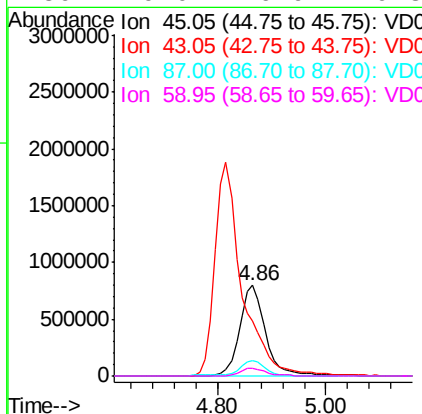
RT: 4.86 min Scan# 339

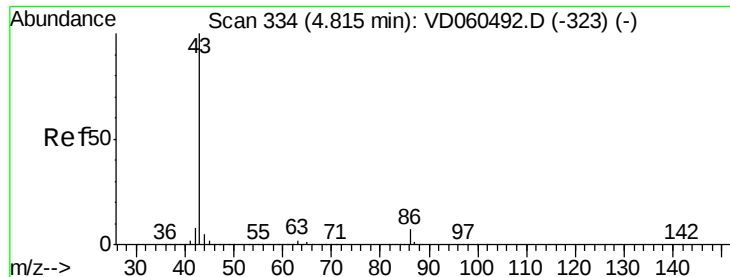
Delta R.T. 0.00 min

Lab File: VD060631.D

Acq: 19 Dec 2018 10:30

Tgt Ion:	45	Resp:	2628324
Ion	Ratio	Lower	Upper
45	100		
43	60.7	48.6	73.0
87	17.6	14.0	21.0
59	9.0	6.9	10.3





#23

Vinyl Acetate

Concen: 242.430 ug/l

RT: 4.82 min Scan# 334

Delta R.T. 0.00 min

Lab File: VD060631.D

Acq: 19 Dec 2018 10:30

Instrument :

MSVOA_D

ClientSampleId :

VSTDCCC050

Tgt Ion: 43 Resp: 6473700

Ion Ratio Lower Upper

43 100

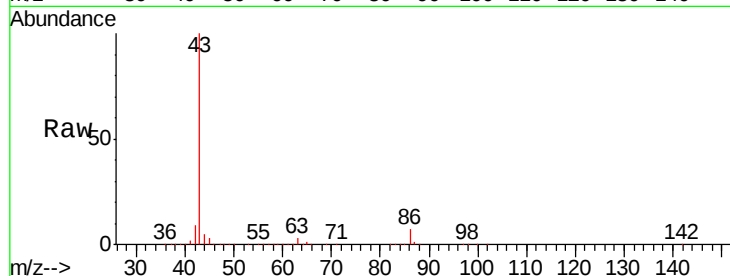
86 6.9 5.5 8.3

Manual Integrations

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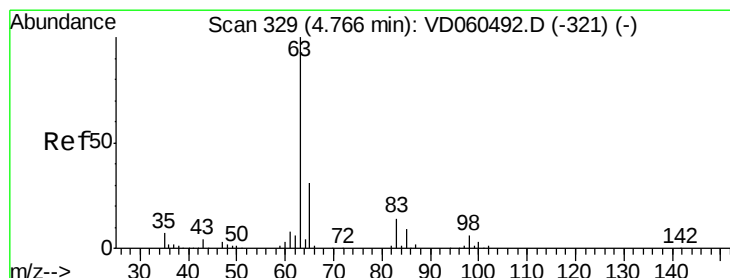
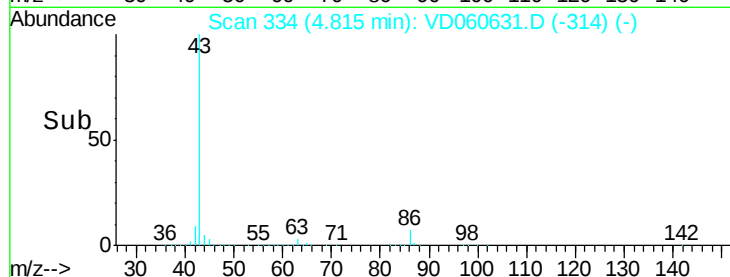
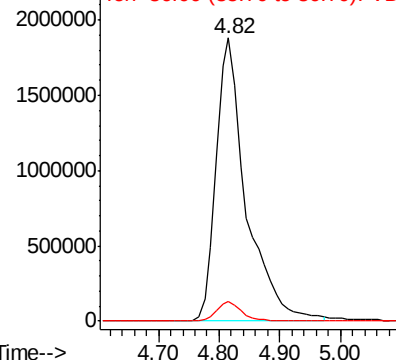
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Abundance Ion 42.95 (42.65 to 43.65): VDC

Ion 86.00 (85.70 to 86.70): VDC



#24

1,1-Dichloroethane

Concen: 51.401 ug/l

RT: 4.77 min Scan# 329

Delta R.T. 0.00 min

Lab File: VD060631.D

Acq: 19 Dec 2018 10:30

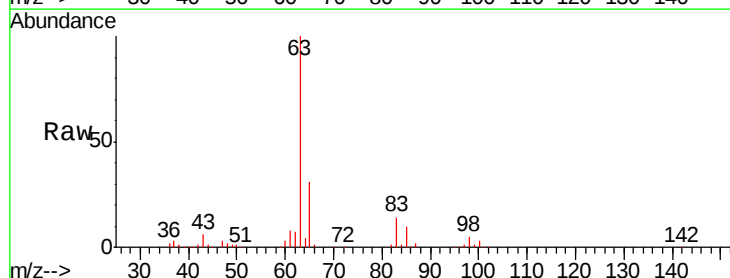
Tgt Ion: 63 Resp: 1439189

Ion Ratio Lower Upper

63 100

98 4.9 2.8 8.3

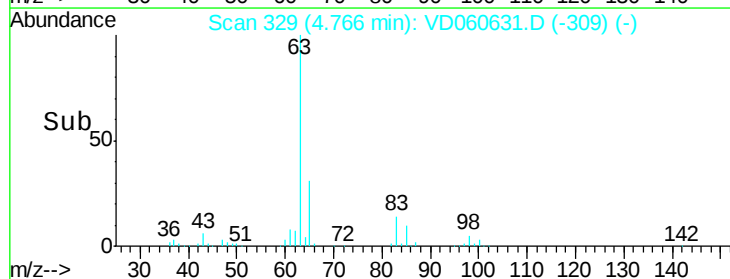
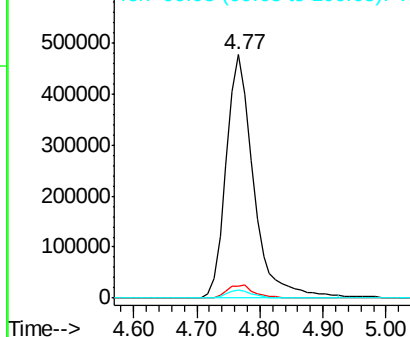
100 3.3 1.7 5.1

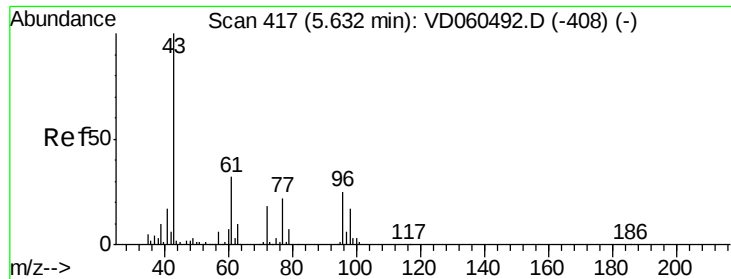


Abundance Ion 62.95 (62.65 to 63.65): VDC

Ion 97.95 (97.65 to 98.65): VDC

Ion 99.95 (99.65 to 100.65): VDC





#25

2-Butanone

Concen: 267.184 ug/l

RT: 5.62 min Scan# 416

Delta R.T. -0.01 min

Lab File: VD060631.D

Acq: 19 Dec 2018 10:30

Instrument :

MSVOA_D

ClientSampleId :

VSTDCCC050

Tgt Ion: 43 Resp: 945356

Ion Ratio Lower Upper

43 100

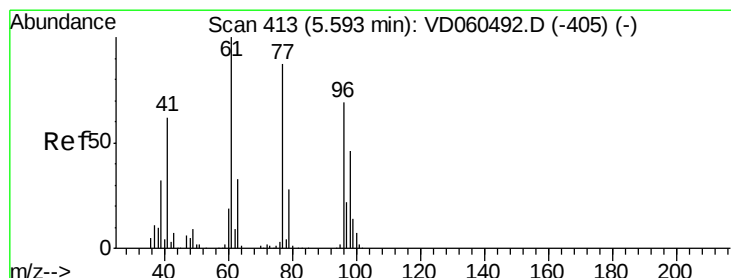
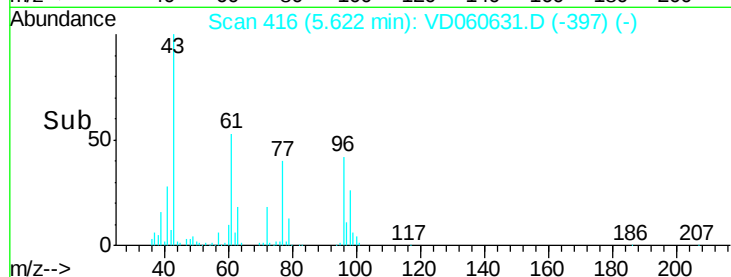
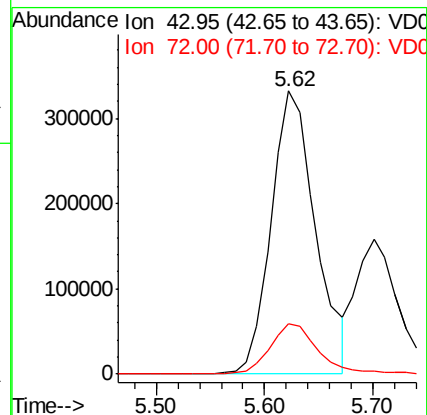
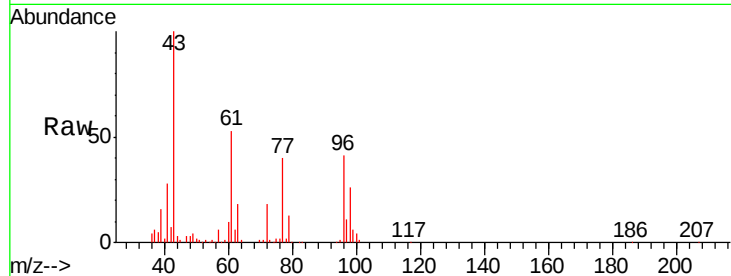
72 17.8 14.6 21.8

Manual Integrations

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#26

2,2-Dichloropropane

Concen: 53.435 ug/l

RT: 5.59 min Scan# 413

Delta R.T. 0.00 min

Lab File: VD060631.D

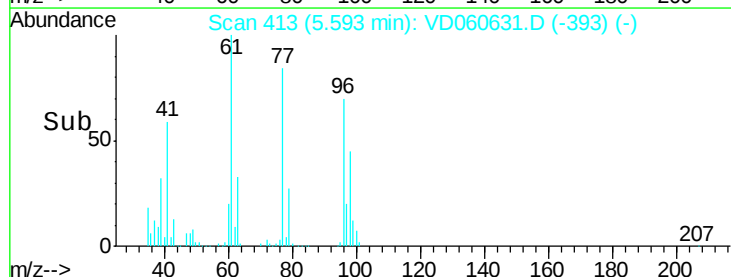
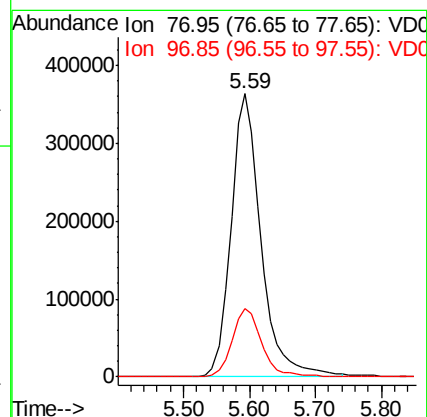
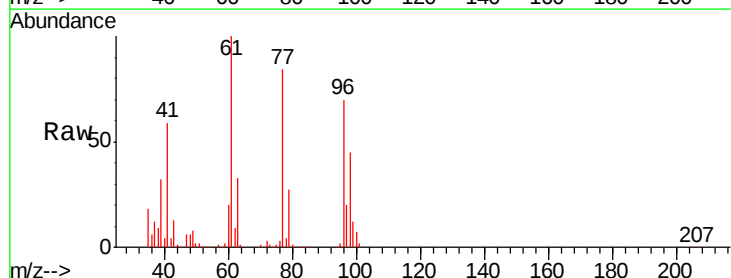
Acq: 19 Dec 2018 10:30

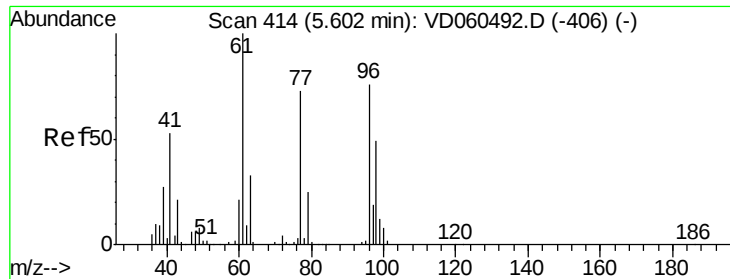
Tgt Ion: 77 Resp: 1155801

Ion Ratio Lower Upper

77 100

97 24.2 12.7 38.0





#27

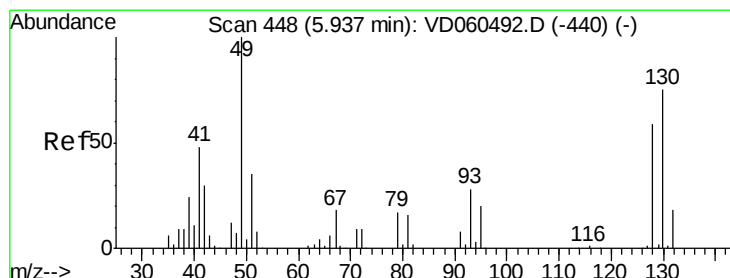
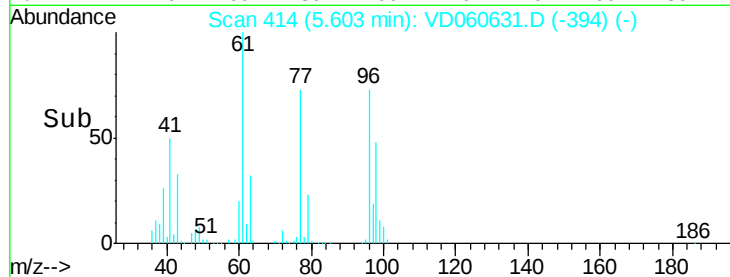
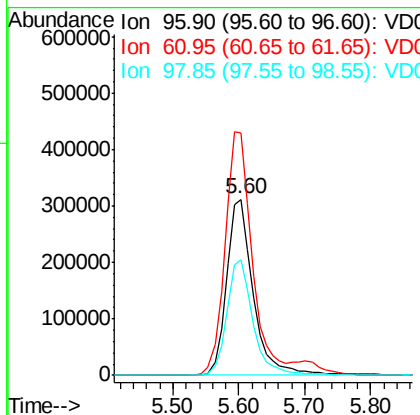
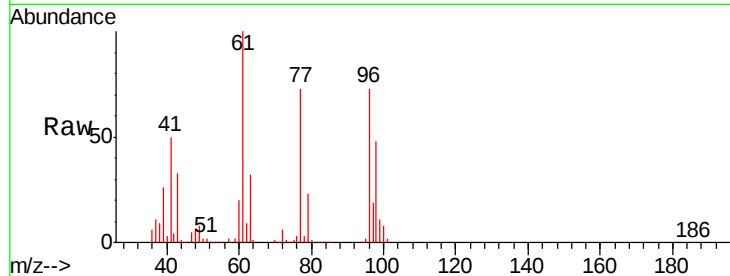
cis-1,2-Dichloroethene
Concen: 50.478 ug/l
RT: 5.60 min Scan# 414
Delta R.T. 0.00 min
Lab File: VD060631.D
Acq: 19 Dec 2018 10:30

Instrument :
MSVOA_D
ClientSampleId :
VSTDCCC050

Tgt Ion	Ratio	Resp	Lower	Upper
96	100	883305		
61	137.4	0.0	263.6	
98	65.5	0.0	128.2	

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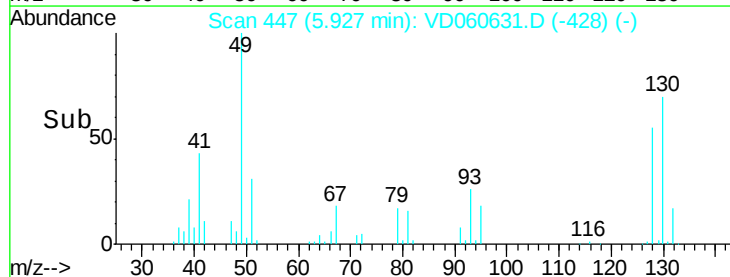
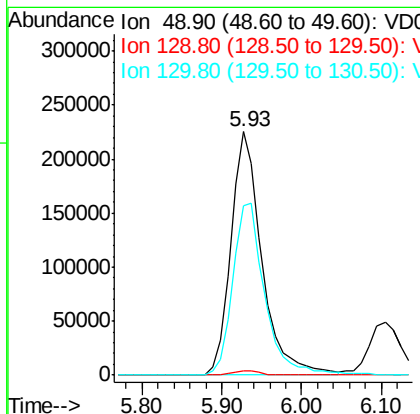
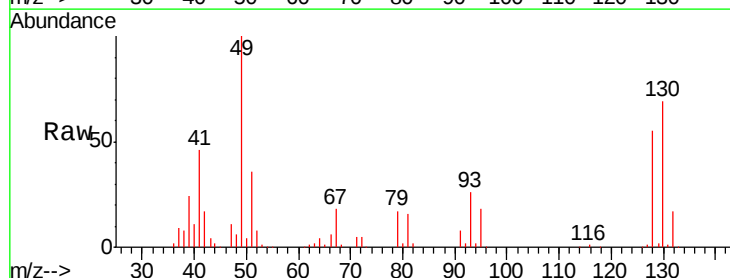
apatel
12/20/2018 11:58:41 AM

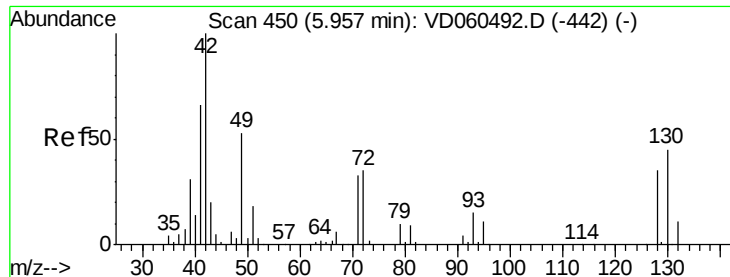


#28

Bromochloromethane
Concen: 49.114 ug/l
RT: 5.93 min Scan# 447
Delta R.T. -0.01 min
Lab File: VD060631.D
Acq: 19 Dec 2018 10:30

Tgt Ion	Ratio	Resp	Lower	Upper
49	100	609184		
129	1.8	0.0	3.4	
130	69.4	59.8	89.6	





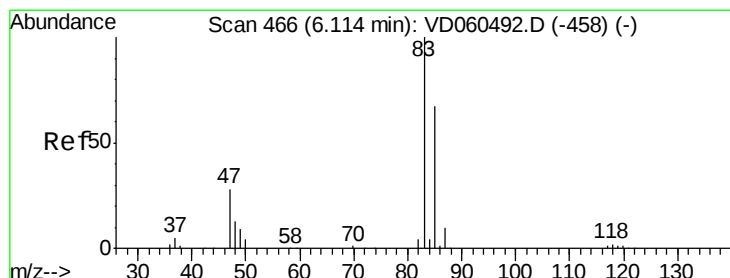
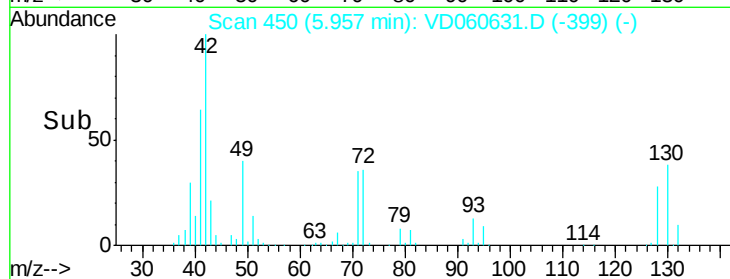
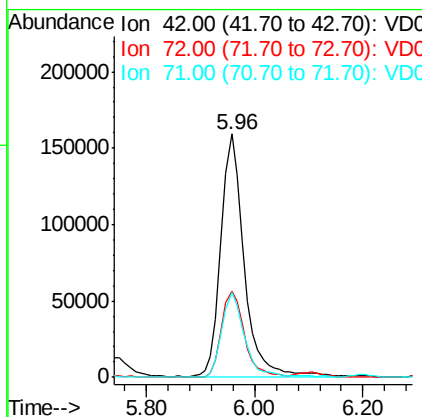
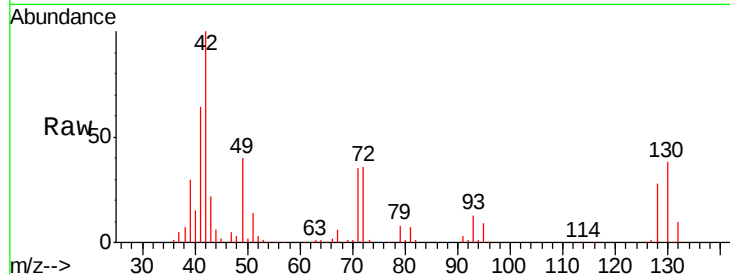
#29
Tetrahydrofuran
Concen: 237.041 ug/l
RT: 5.96 min Scan# 450
Delta R.T. 0.00 min
Lab File: VD060631.D
Acq: 19 Dec 2018 10:30

Instrument :
MSVOA_D
ClientSampleId :
VSTDCCC050

Tgt Ion	Ratio	Lower	Upper
42	100		
72	35.0	28.0	42.0
71	33.8	27.2	40.8

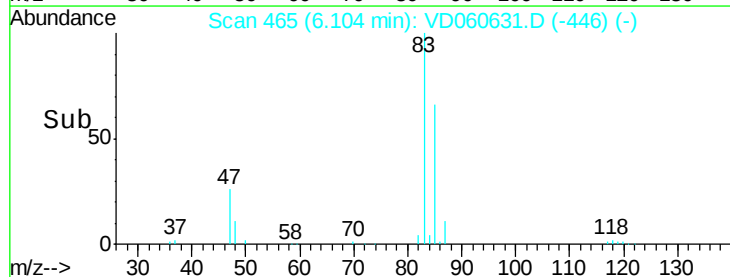
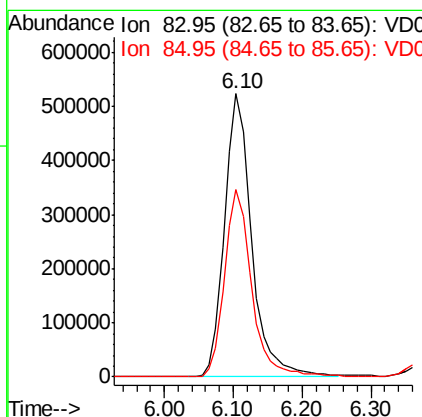
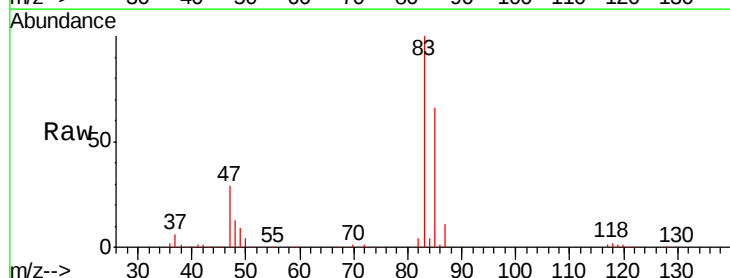
Manual Integrations
APPROVED

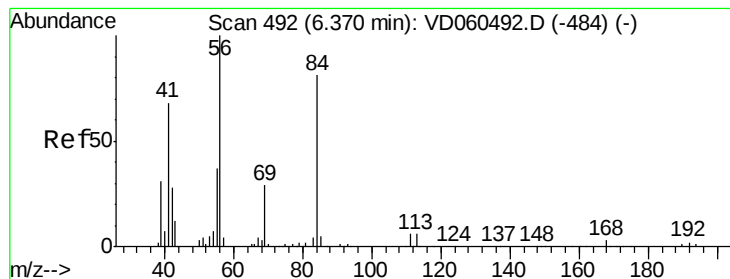
apatel
12/20/2018 11:58:41 AM



#30
Chloroform
Concen: 50.909 ug/l
RT: 6.10 min Scan# 465
Delta R.T. -0.01 min
Lab File: VD060631.D
Acq: 19 Dec 2018 10:30

Tgt Ion	Ratio	Lower	Upper
83	100		
85	66.4	53.4	80.2





#31

Cyclohexane

Concen: 51.805 ug/l

RT: 6.37 min Scan# 492

Delta R.T. 0.00 min

Lab File: VD060631.D

Acq: 19 Dec 2018 10:30

Instrument :

MSVOA_D

ClientSampleId :

VSTDCCC050

Tgt Ion: 56 Resp: 1237051

Ion Ratio Lower Upper

56 100

69 30.1 22.8 34.2

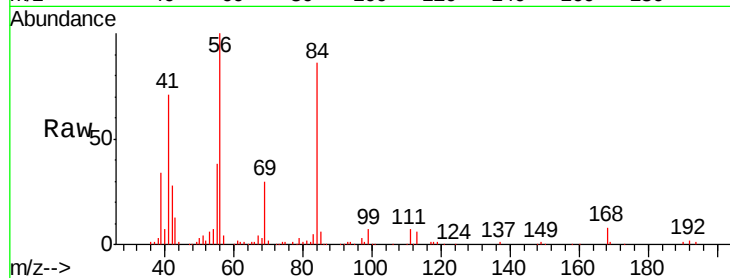
84 86.1 65.1 97.7

Manual Integrations

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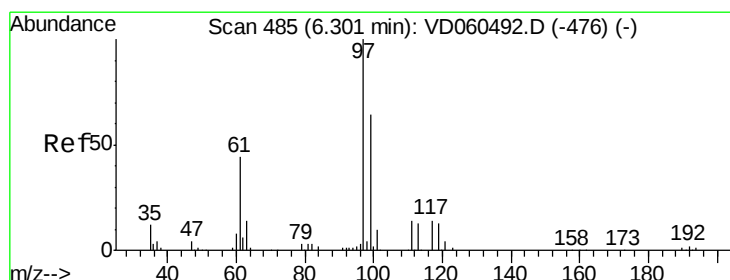
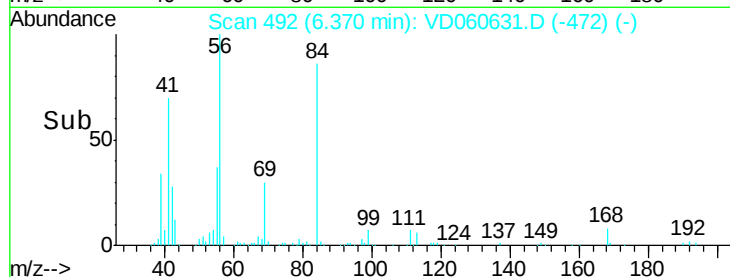
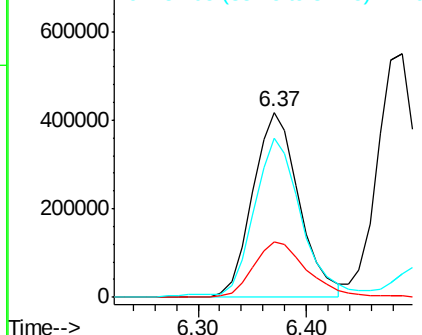
12/20/2018 11:58:41 AM



Abundance Ion 55.95 (55.65 to 56.65): VDC

Ion 69.00 (68.70 to 69.70): VDC

Ion 84.05 (83.75 to 84.75): VDC



#32

1,1,1-Trichloroethane

Concen: 49.964 ug/l

RT: 6.29 min Scan# 484

Delta R.T. -0.01 min

Lab File: VD060631.D

Acq: 19 Dec 2018 10:30

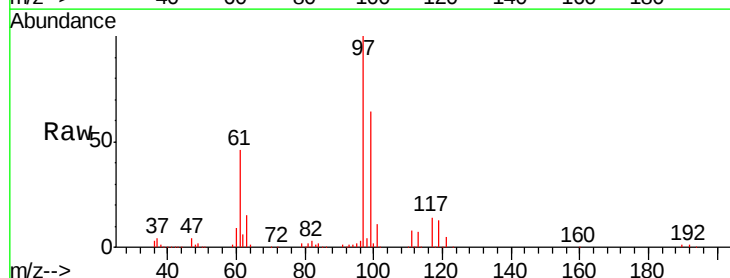
Tgt Ion: 97 Resp: 1158640

Ion Ratio Lower Upper

97 100

99 64.0 51.0 76.4

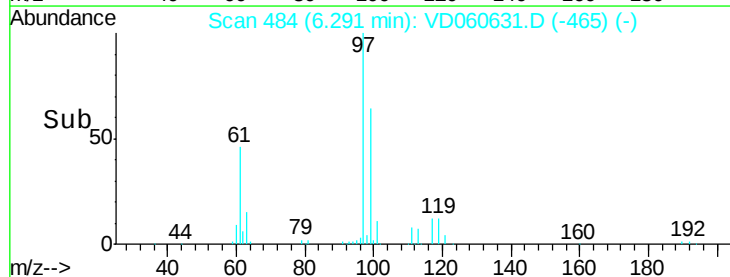
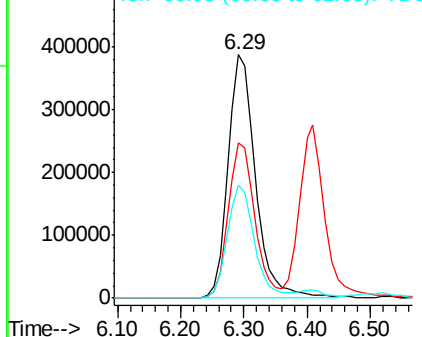
61 46.5 35.3 52.9

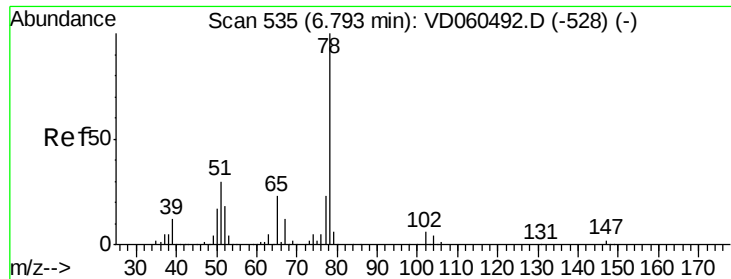


Abundance Ion 96.85 (96.55 to 97.55): VDC

Ion 98.85 (98.55 to 99.55): VDC

Ion 60.95 (60.65 to 61.65): VDC





#33

1,2-Dichloroethane-d4

Concen: 49.964 ug/l

RT: 6.78 min Scan# 534

Delta R.T. -0.01 min

Lab File: VD060631.D

Acq: 19 Dec 2018 10:30

Instrument :

MSVOA_D

ClientSampleId :

VSTDCCC050

Tgt Ion: 65 Resp: 534864

Ion Ratio Lower Upper

65 100

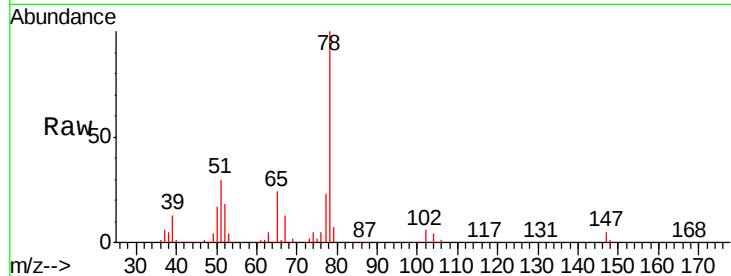
67 51.9 0.0 106.8

Manual Integrations

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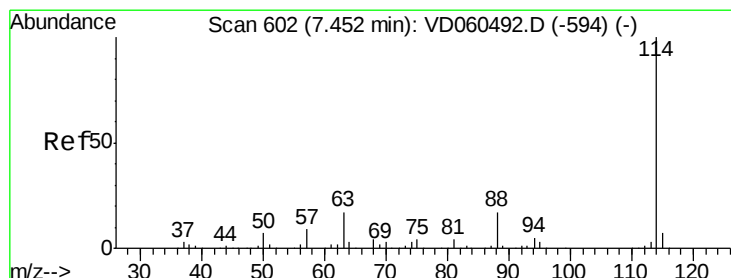
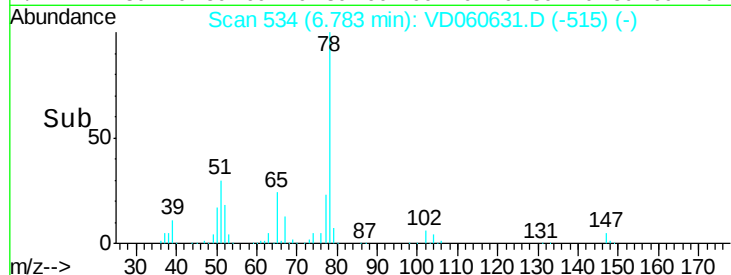
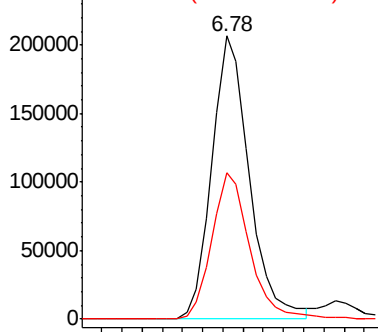
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Abundance Ion 64.95 (64.65 to 65.65): VDC

Ion 66.90 (66.60 to 67.60): VDC



#34

1,4-Difluorobenzene

Concen: 50.000 ug/l

RT: 7.44 min Scan# 601

Delta R.T. -0.01 min

Lab File: VD060631.D

Acq: 19 Dec 2018 10:30

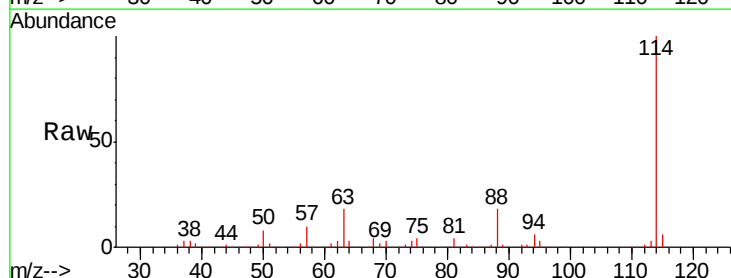
Tgt Ion: 114 Resp: 2168034

Ion Ratio Lower Upper

114 100

63 18.1 0.0 34.2

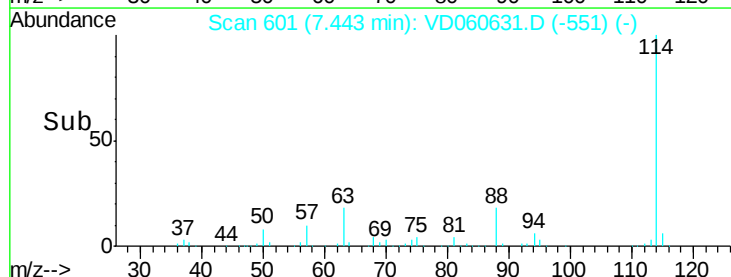
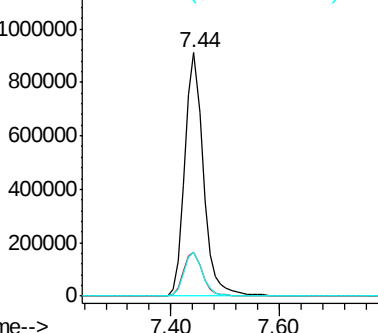
88 18.2 0.0 35.0

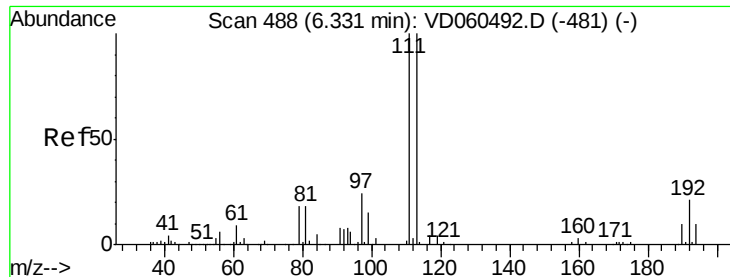


Abundance Ion 114.00 (113.70 to 114.70): V

Ion 62.95 (62.65 to 63.65): VDC

Ion 87.90 (87.60 to 88.60): VDC





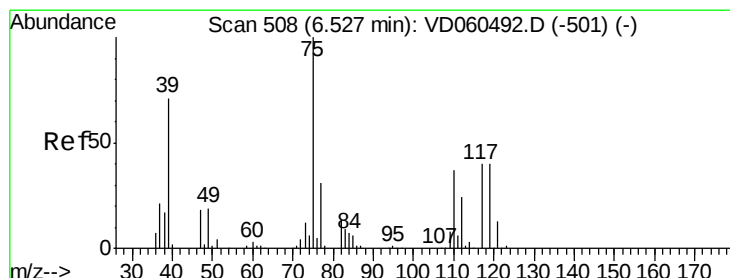
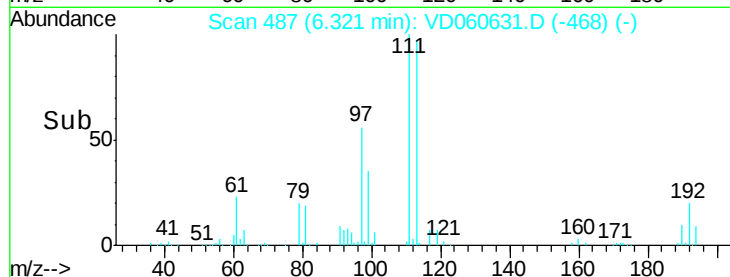
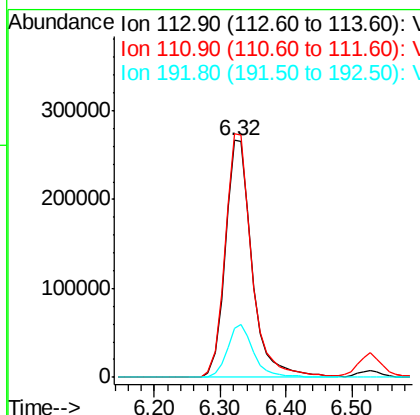
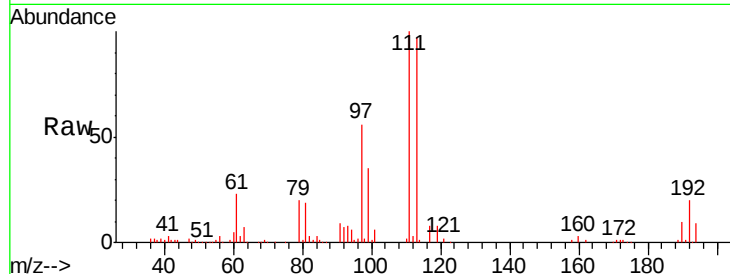
#35
Dibromofluoromethane
Concen: 50.000 ug/l
RT: 6.32 min Scan# 487
Delta R.T. -0.01 min
Lab File: VD060631.D
Acq: 19 Dec 2018 10:30

Instrument :
MSVOA_D
ClientSampleId :
VSTDCCC050

Tgt Ion	Ratio	Resp	Lower	Upper
113	100	758430		
111	102.8	80.2	120.4	
192	20.9	16.6	24.8	

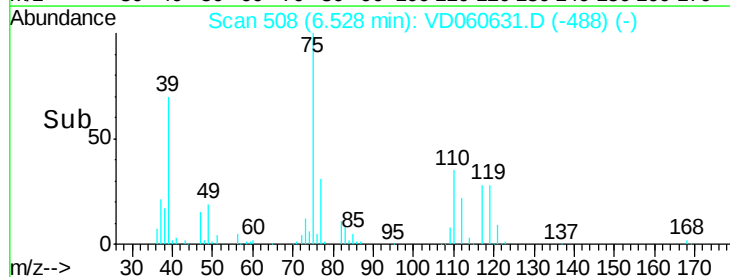
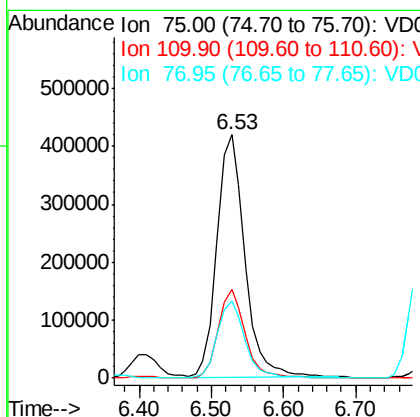
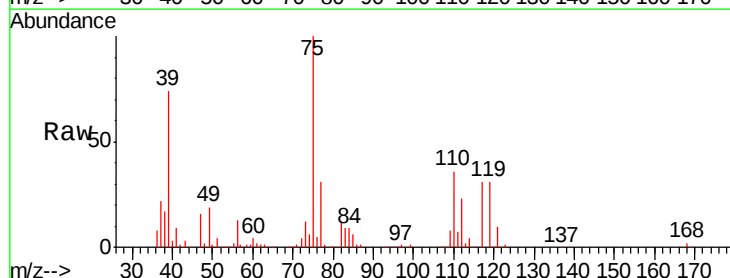
Manual Integrations
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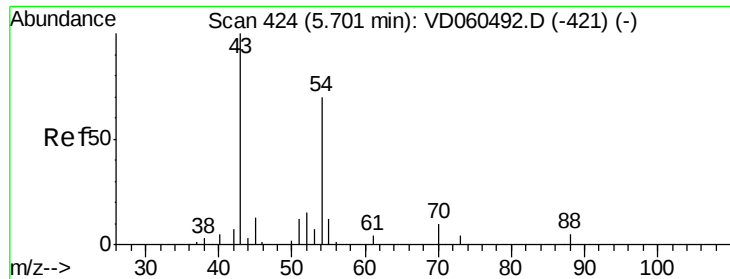
apatel
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#36
1,1-Dichloropropene
Concen: 52.349 ug/l
RT: 6.53 min Scan# 508
Delta R.T. 0.00 min
Lab File: VD060631.D
Acq: 19 Dec 2018 10:30

Tgt Ion	Ratio	Resp	Lower	Upper
75	100	1109391		
110	36.2	18.3	54.8	
77	31.5	24.6	37.0	





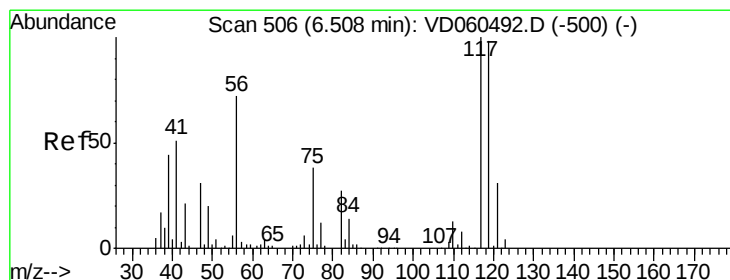
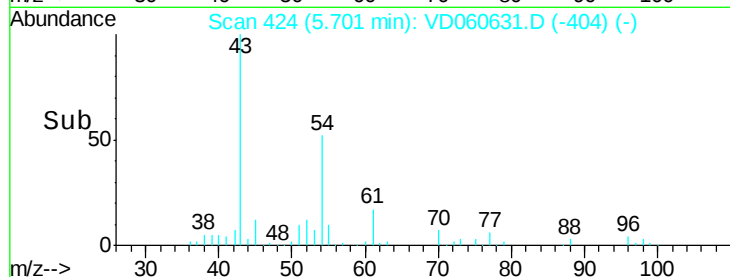
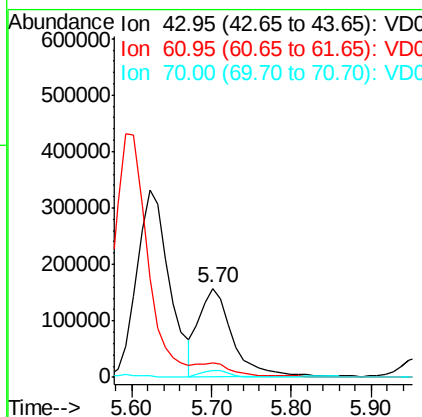
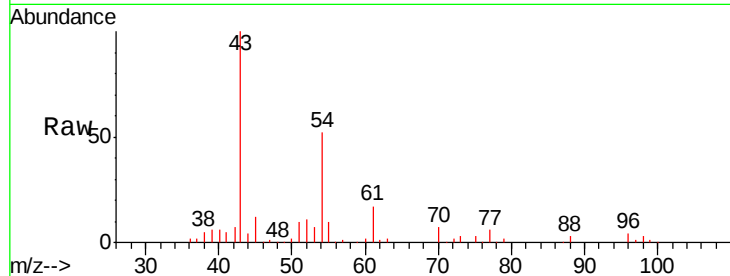
#37
Ethyl Acetate
Concen: 48.773 ug/l
RT: 5.70 min Scan# 424
Delta R.T. 0.00 min
Lab File: VD060631.D
Acq: 19 Dec 2018 10:30

Instrument :
MSVOA_D
ClientSampleId :
VSTDCCC050

Tgt Ion	Ratio	Lower	Upper
43	100		
61	16.5	12.4	18.6
70	7.3	5.4	8.0

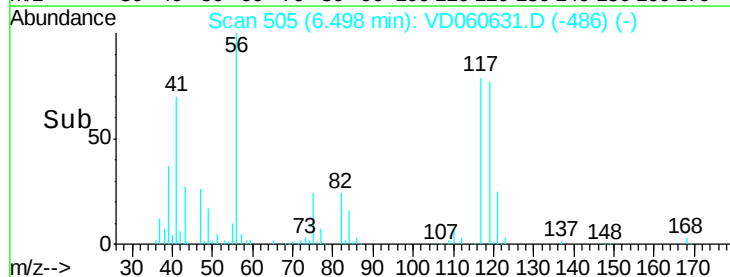
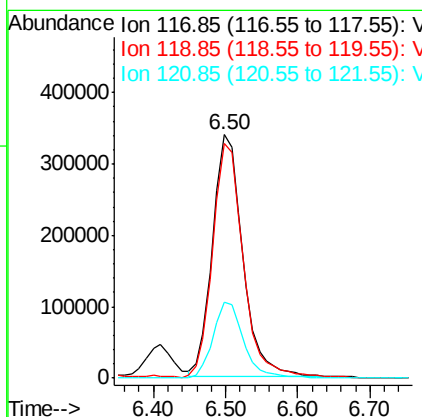
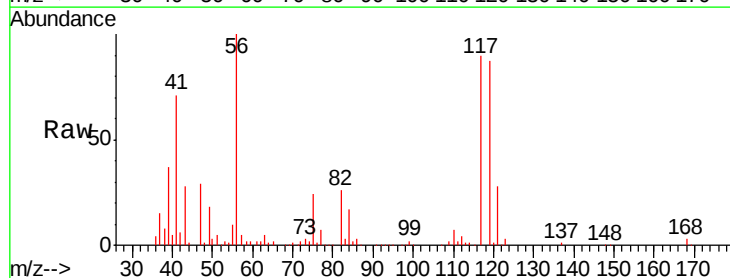
Manual Integrations
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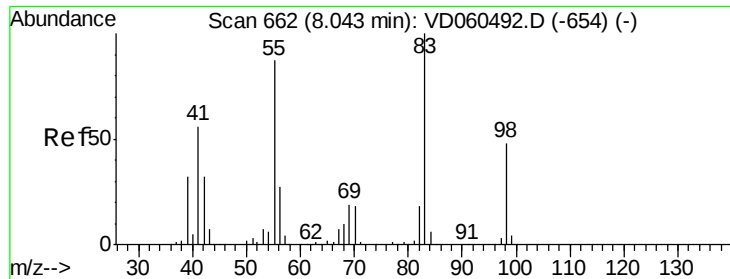
apatel
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#38
Carbon Tetrachloride
Concen: 51.805 ug/l
RT: 6.50 min Scan# 505
Delta R.T. -0.01 min
Lab File: VD060631.D
Acq: 19 Dec 2018 10:30

Tgt Ion	Ratio	Lower	Upper
117	100		
119	96.6	76.8	115.2
121	31.4	24.4	36.6





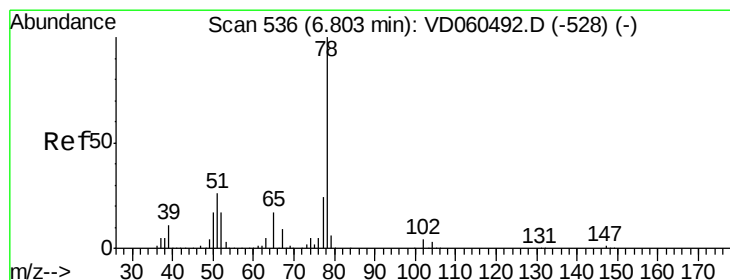
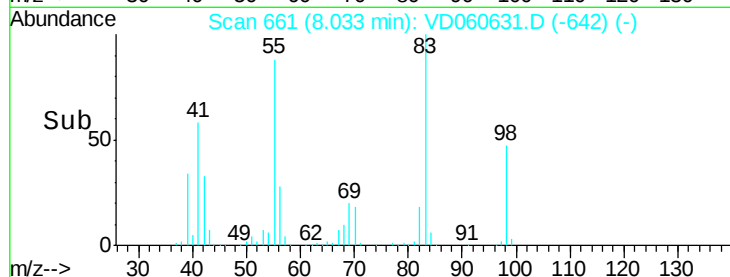
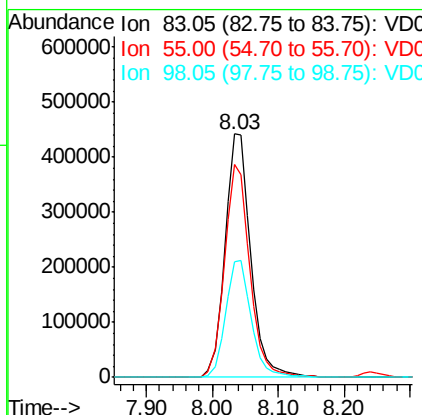
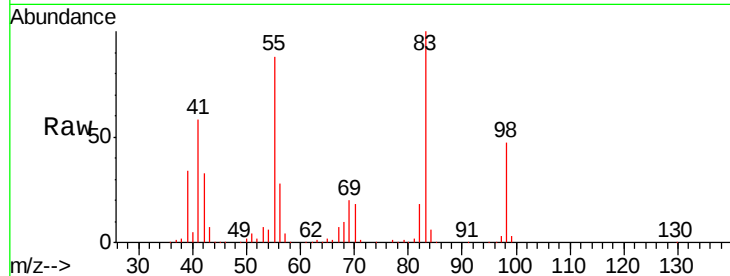
#39
Methylcyclohexane
Concen: 50.099 ug/l
RT: 8.03 min Scan# 661
Delta R.T. -0.01 min
Lab File: VD060631.D
Acq: 19 Dec 2018 10:30

Instrument :
MSVOA_D
ClientSampleId :
VSTDCCC050

Tgt Ion: 83 Resp: 1210327
Ion Ratio Lower Upper
83 100
55 87.6 69.8 104.8
98 47.5 38.4 57.6

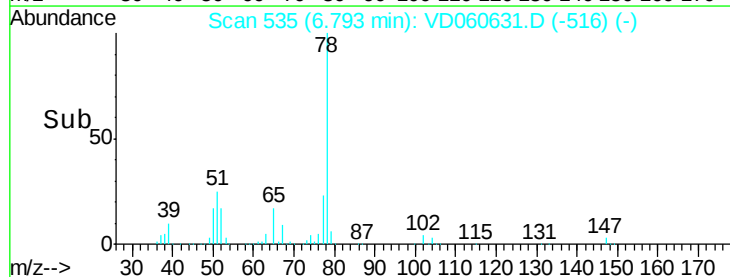
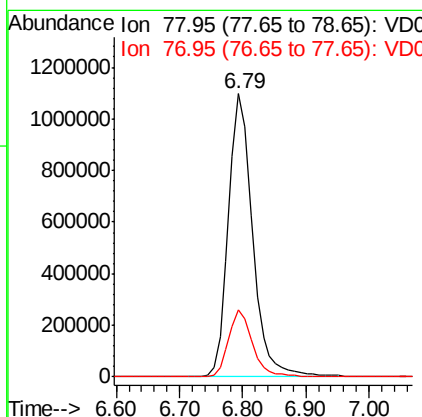
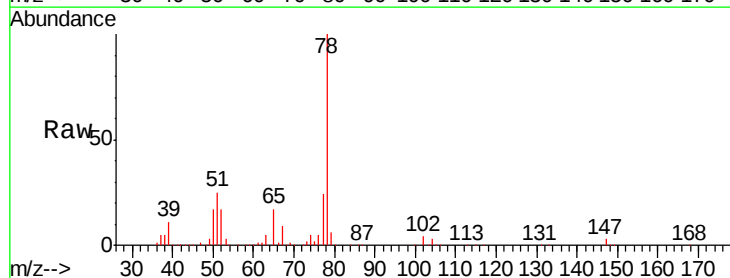
Manual Integrations
APPROVED

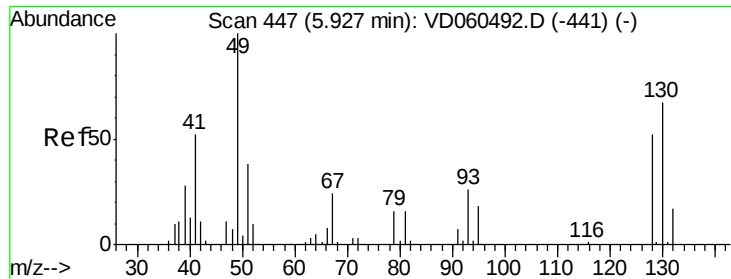
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#40
Benzene
Concen: 53.932 ug/l
RT: 6.79 min Scan# 535
Delta R.T. -0.01 min
Lab File: VD060631.D
Acq: 19 Dec 2018 10:30

Tgt Ion: 78 Resp: 2921000
Ion Ratio Lower Upper
78 100
77 23.6 18.9 28.3





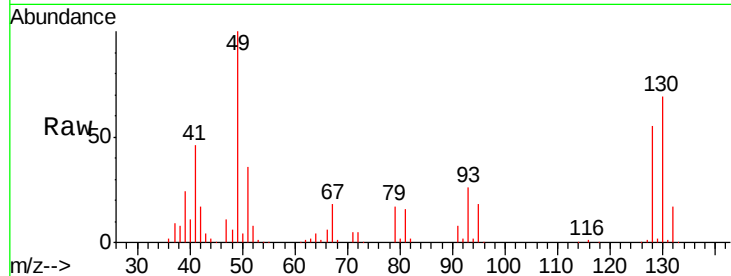
#41
Methacrylonitrile
Concen: 50.547 ug/l m
RT: 5.93 min Scan# 447
Delta R.T. 0.00 min
Lab File: VD060631.D
Acq: 19 Dec 2018 10:30

Instrument :
MSVOA_D
ClientSampleId :
VSTDCCC050

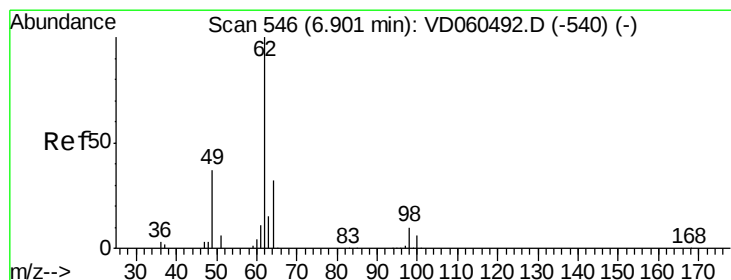
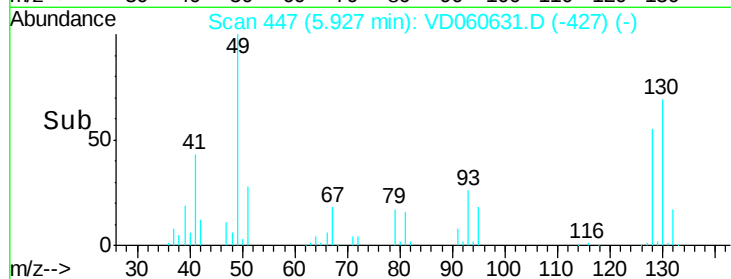
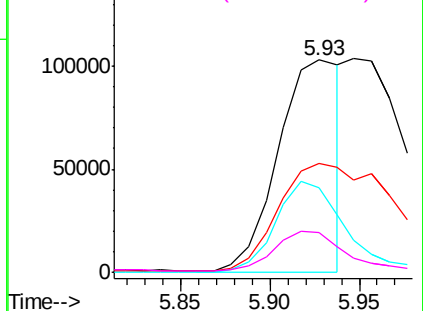
Tgt Ion	Ratio	Lower	Upper
41	100		
39	51.5	42.6	63.8
67	39.9	36.2	54.4
52	18.5	15.6	23.4

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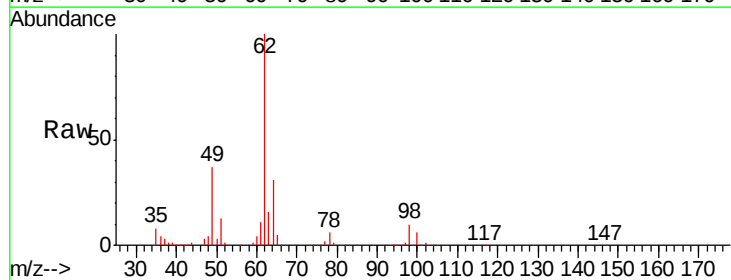


Abundance Ion 40.95 (40.65 to 41.65): VDC
Ion 38.95 (38.65 to 39.65): VDC
Ion 67.00 (66.70 to 67.70): VDC
Ion 52.00 (51.70 to 52.70): VDC

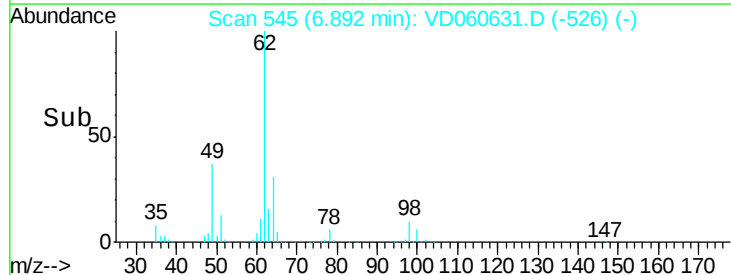
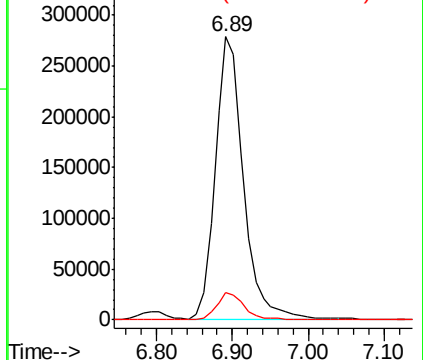


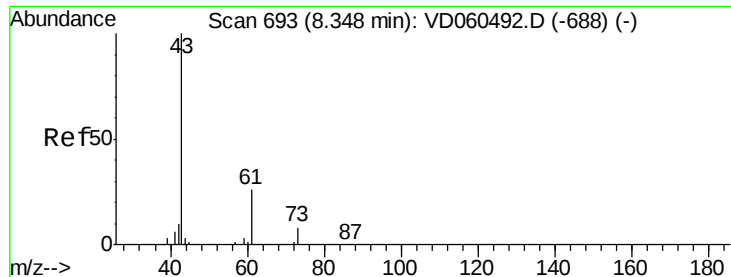
#42
1,2-Dichloroethane
Concen: 52.152 ug/l
RT: 6.89 min Scan# 545
Delta R.T. -0.01 min
Lab File: VD060631.D
Acq: 19 Dec 2018 10:30

Tgt Ion	Ratio	Lower	Upper
62	100		
98	9.5	0.0	20.2



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





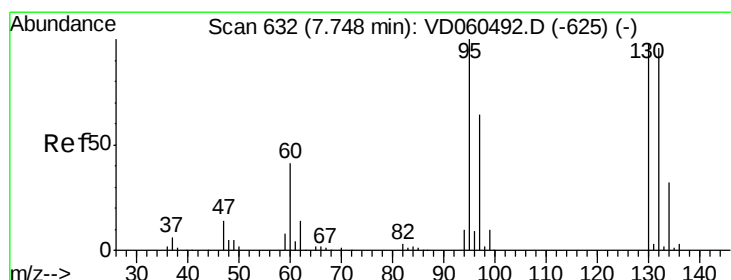
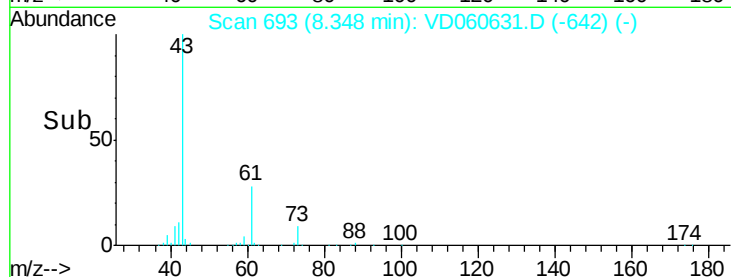
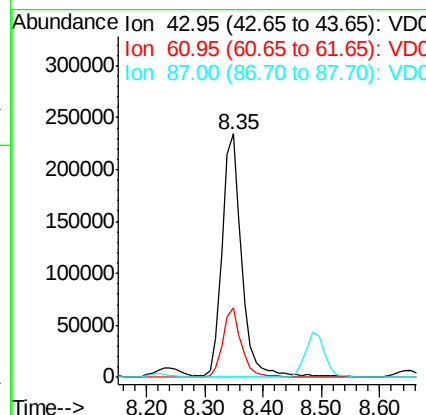
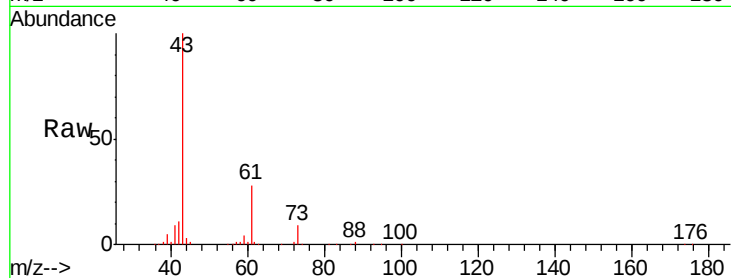
#43
Isopropyl Acetate
Concen: 48.671 ug/l
RT: 8.35 min Scan# 693
Delta R.T. 0.00 min
Lab File: VD060631.D
Acq: 19 Dec 2018 10:30

Instrument :
MSVOA_D
ClientSampleId :
VSTDCCC050

Tgt Ion	Ratio	Lower	Upper
43	100		
61	28.4	21.0	31.4
87	0.4	0.2	0.2

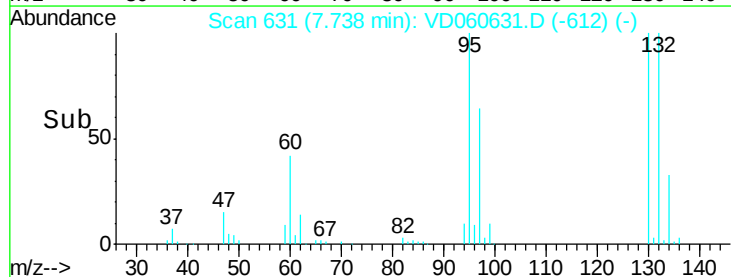
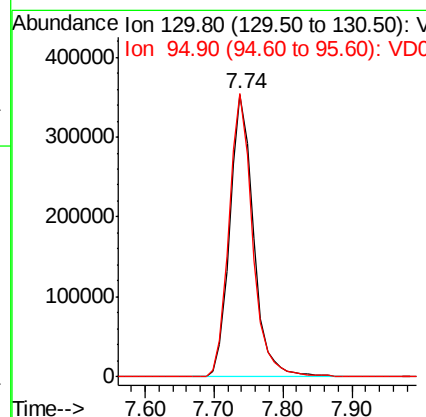
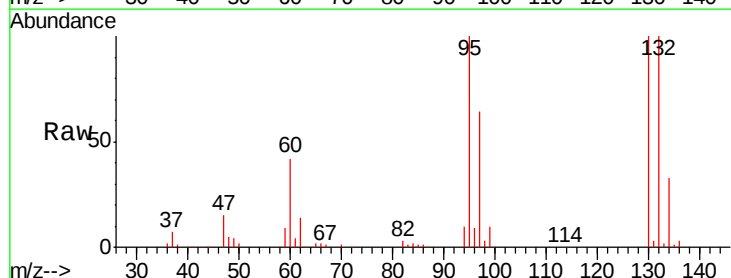
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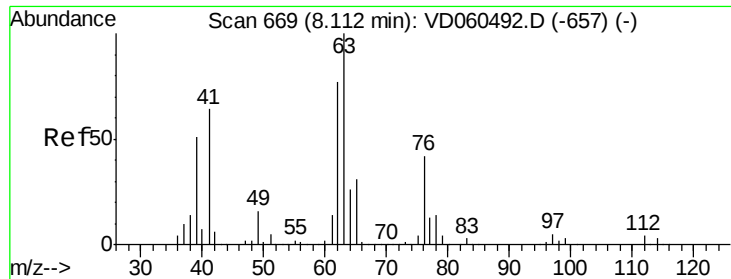
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#44
Trichloroethene
Concen: 52.088 ug/l
RT: 7.74 min Scan# 631
Delta R.T. -0.01 min
Lab File: VD060631.D
Acq: 19 Dec 2018 10:30

Tgt Ion	Ratio	Lower	Upper
130	100		
95	100.2	0.0	203.8





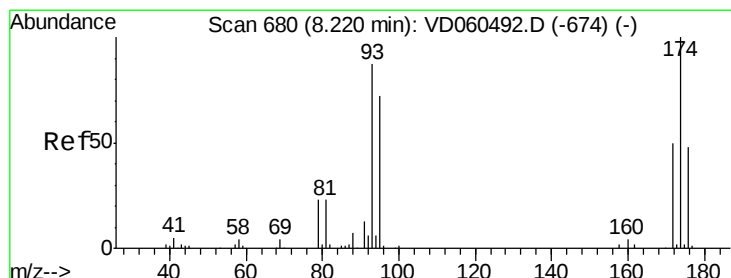
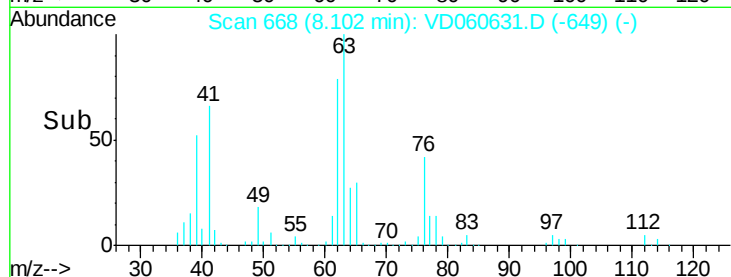
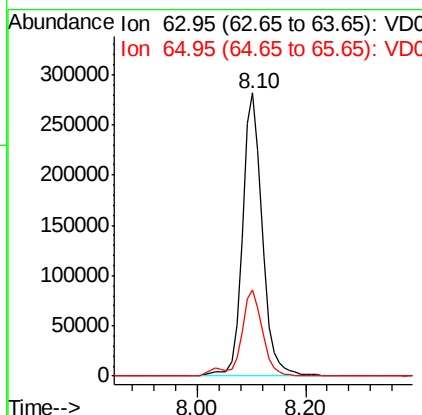
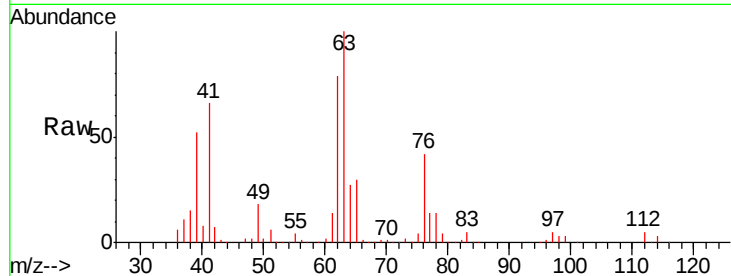
#45
 1,2-Dichloropropane
 Concen: 53.196 ug/l
 RT: 8.10 min Scan# 668
 Delta R.T. -0.01 min
 Lab File: VD060631.D
 Acq: 19 Dec 2018 10:30

Instrument :
 MSVOA_D
 ClientSampleId :
 VSTDCCC050

Tgt Ion: 63 Resp: 712577
 Ion Ratio Lower Upper
 63 100
 65 30.4 24.6 37.0

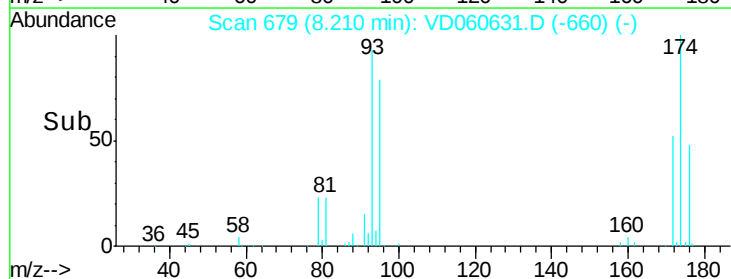
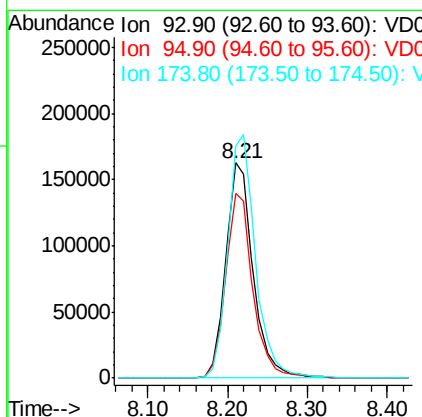
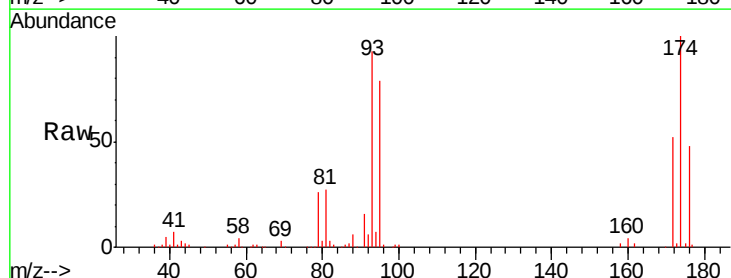
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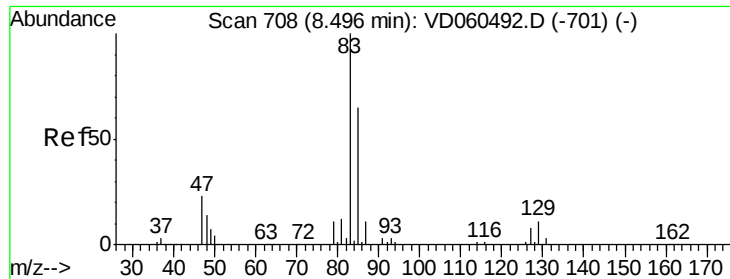
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#46
 Dibromomethane
 Concen: 50.814 ug/l
 RT: 8.21 min Scan# 679
 Delta R.T. -0.01 min
 Lab File: VD060631.D
 Acq: 19 Dec 2018 10:30

Tgt Ion: 93 Resp: 393269
 Ion Ratio Lower Upper
 93 100
 95 85.8 65.6 98.4
 174 108.0 91.7 137.5





#47

Bromodichloromethane

Concen: 54.399 ug/l

RT: 8.49 min Scan# 707

Delta R.T. -0.01 min

Lab File: VD060631.D

Acq: 19 Dec 2018 10:30

Instrument :

MSVOA_D

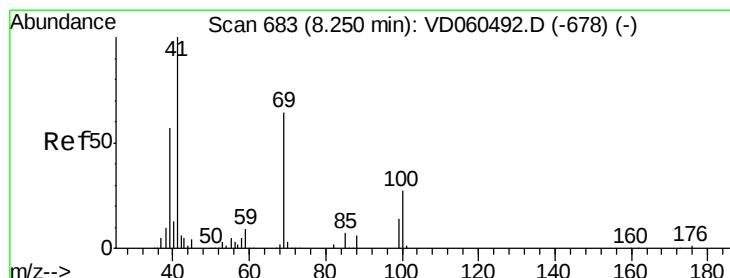
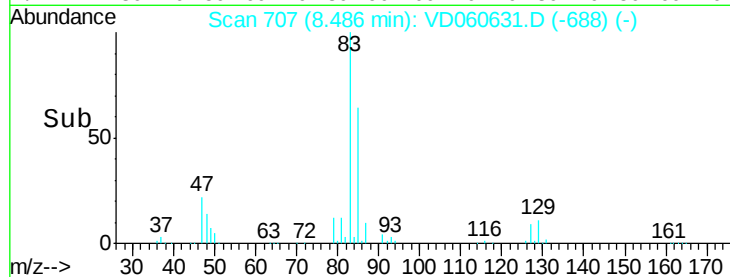
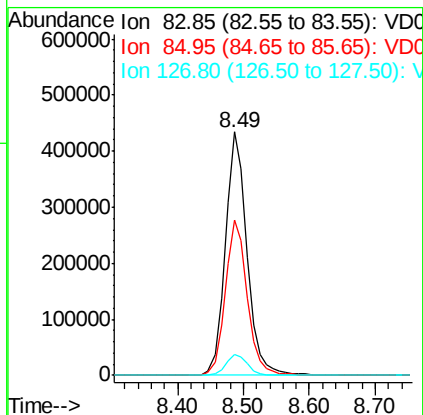
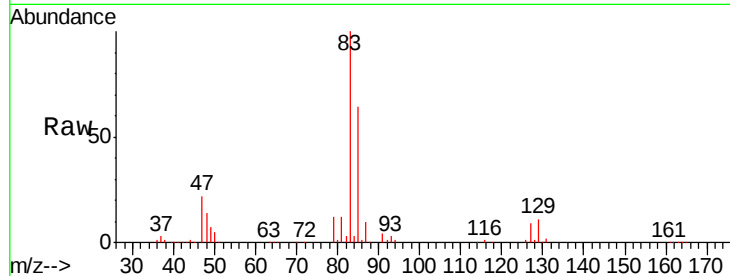
ClientSampleId :

VSTDCCC050

Tgt Ion:	83	Resp:	998960
Ion Ratio	Lower	Upper	
83	100		
85	63.6	52.2	78.4
127	8.6	6.7	10.1

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#48

Methyl methacrylate

Concen: 50.406 ug/l

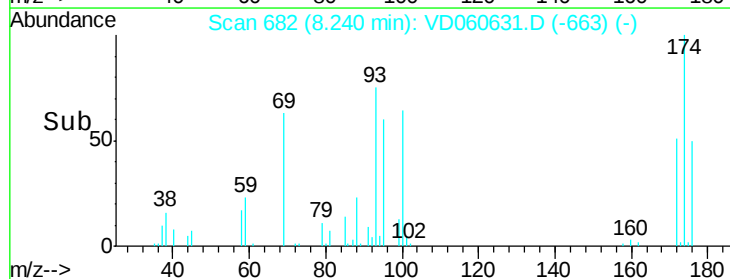
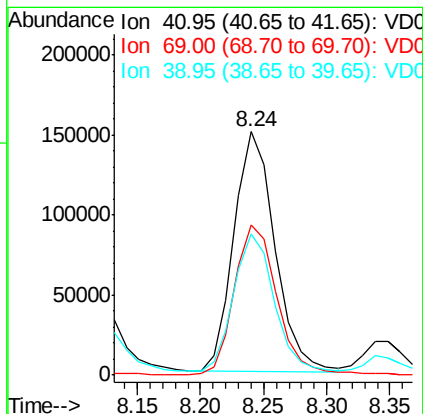
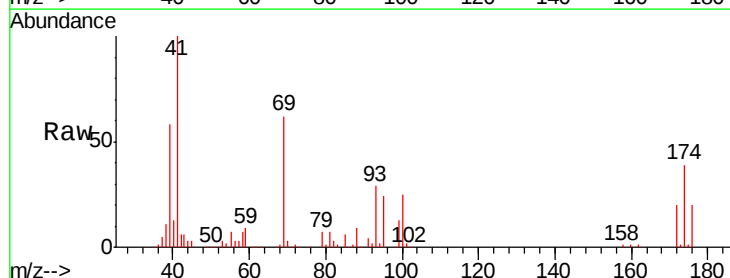
RT: 8.24 min Scan# 682

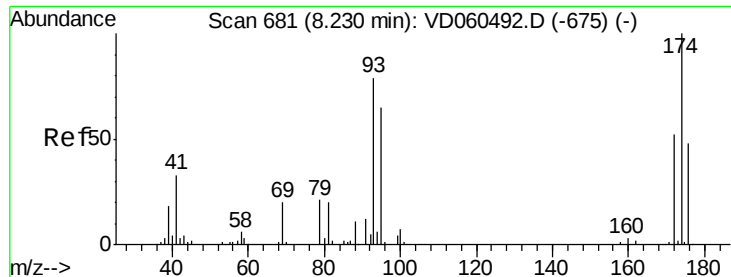
Delta R.T. -0.01 min

Lab File: VD060631.D

Acq: 19 Dec 2018 10:30

Tgt Ion:	41	Resp:	338371
Ion Ratio	Lower	Upper	
41	100		
69	61.7	50.2	75.4
39	58.3	46.1	69.1





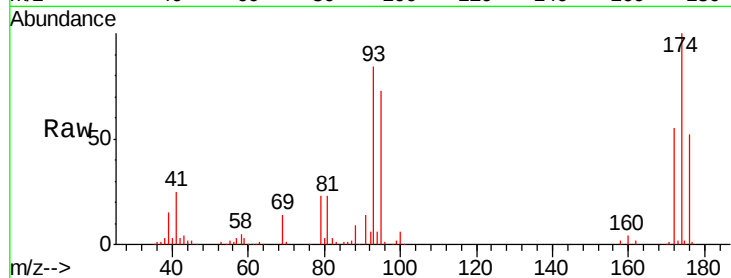
#49
1,4-Dioxane
Concen: 1019.178 ug/l
RT: 8.22 min Scan# 680
Delta R.T. -0.01 min
Lab File: VD060631.D
Acq: 19 Dec 2018 10:30

Instrument :
MSVOA_D
ClientSampleId :
VSTDCCC050

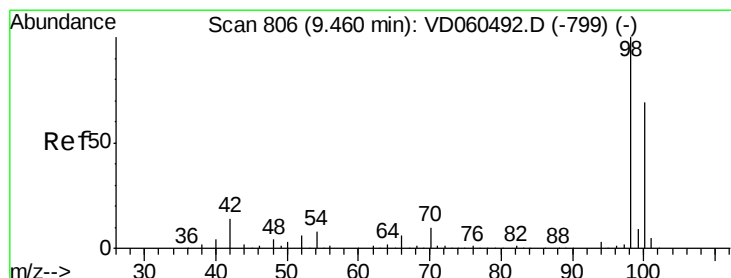
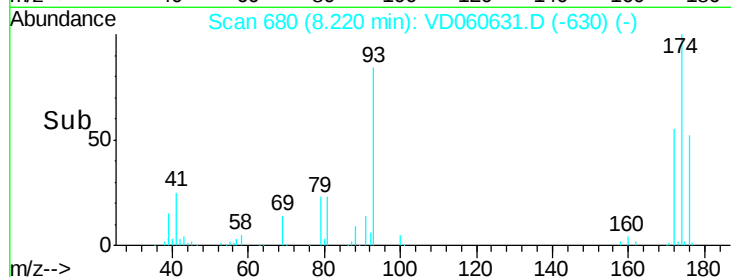
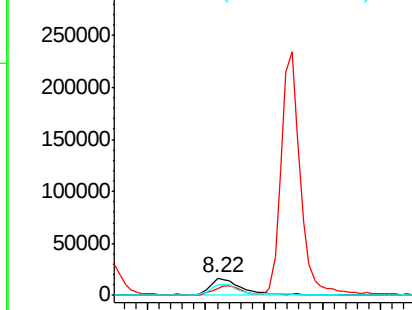
Tgt Ion	Ratio	Lower	Upper
88	100		
43	42.2	32.9	49.3
58	58.7	47.7	71.5

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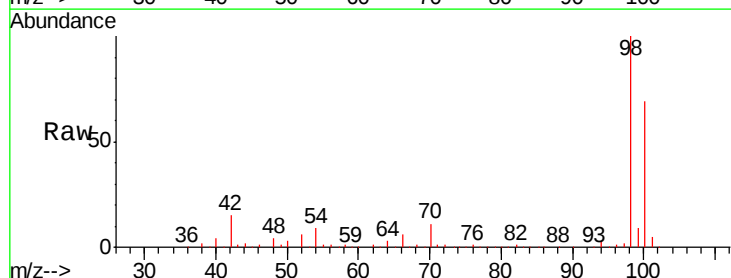


Abundance Ion 88.00 (87.70 to 88.70): VDC
Ion 43.05 (42.75 to 43.75): VDC
Ion 57.95 (57.65 to 58.65): VDC

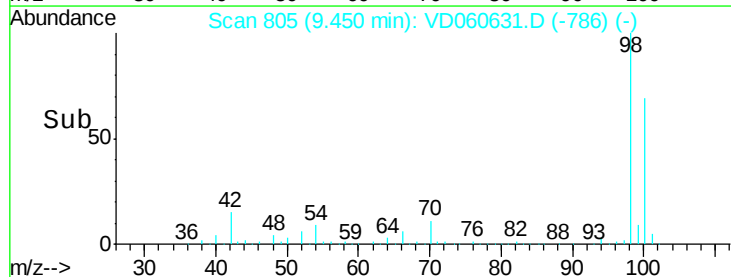
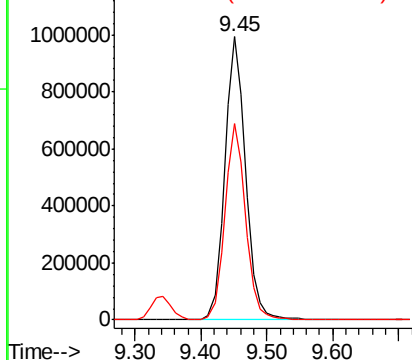


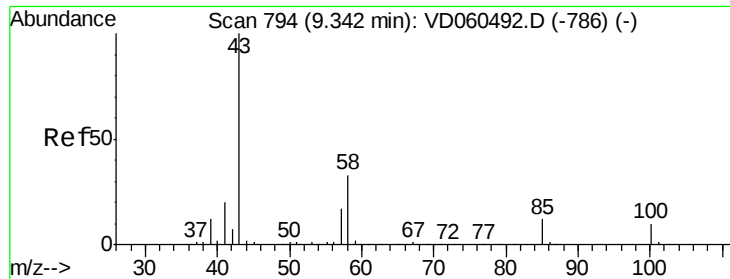
#50
Toluene-d8
Concen: 1019.178 ug/l
RT: 9.45 min Scan# 805
Delta R.T. -0.01 min
Lab File: VD060631.D
Acq: 19 Dec 2018 10:30

Tgt Ion	Ratio	Lower	Upper
98	100		
100	69.4	55.7	83.5



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: 256.922 ug/l

RT: 9.33 min Scan# 793

Delta R.T. -0.01 min

Lab File: VD060631.D

Acq: 19 Dec 2018 10:30

Instrument :

MSVOA_D

ClientSampleId :

VSTDCCC050

Tgt Ion: 43 Resp: 1813163

Ion Ratio Lower Upper

43 100

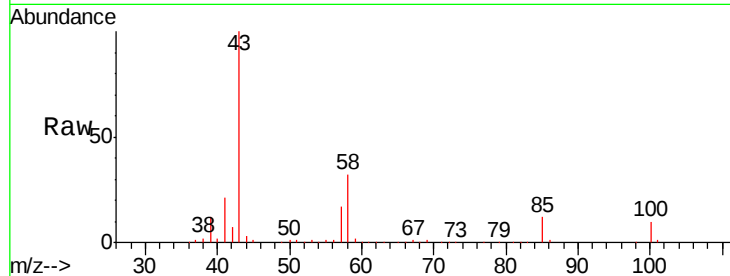
58 32.3 26.3 39.5

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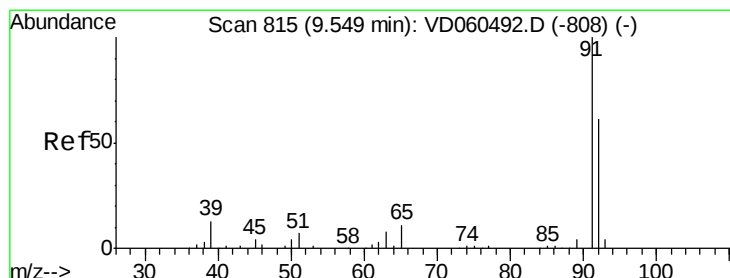
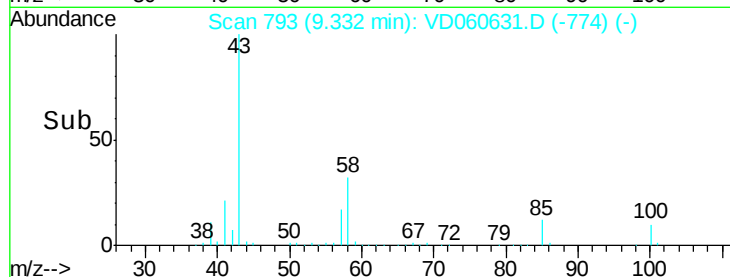
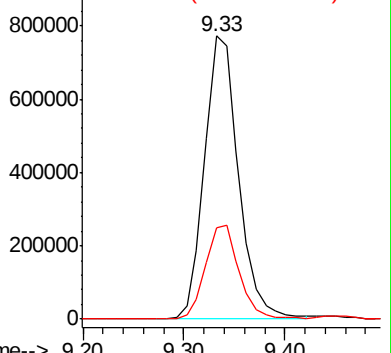
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Abundance Ion 42.95 (42.65 to 43.65): VDC

Ion 57.95 (57.65 to 58.65): VDC



#52

Toluene

Concen: 51.411 ug/l

RT: 9.55 min Scan# 815

Delta R.T. 0.00 min

Lab File: VD060631.D

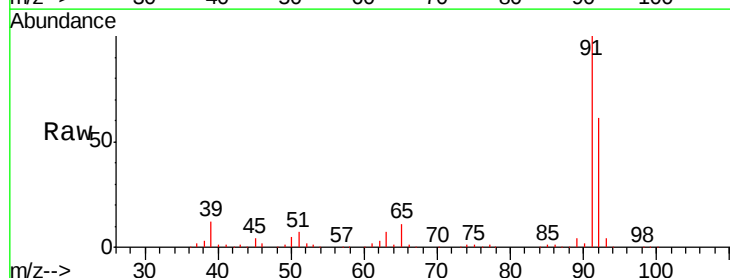
Acq: 19 Dec 2018 10:30

Tgt Ion: 92 Resp: 1740334

Ion Ratio Lower Upper

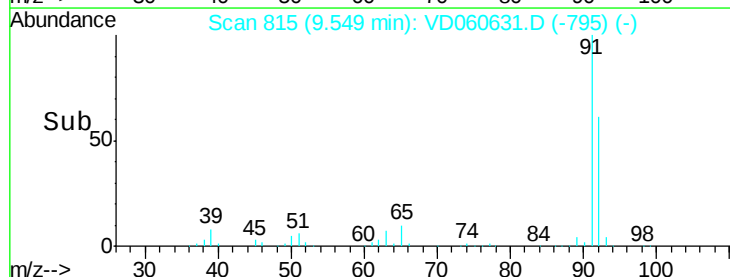
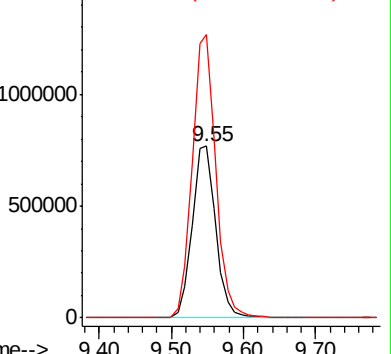
92 100

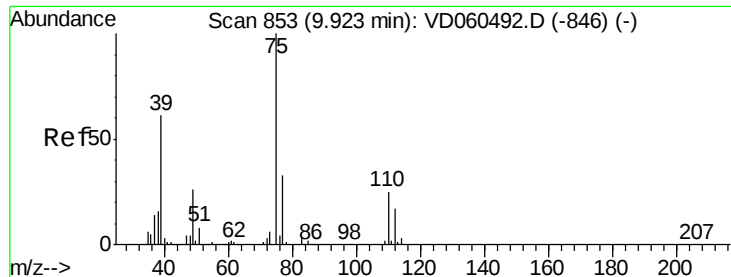
91 165.0 131.7 197.5



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: 54.288 ug/l

RT: 9.91 min Scan# 852

Delta R.T. -0.01 min

Lab File: VD060631.D

Acq: 19 Dec 2018 10:30

Instrument :

MSVOA_D

ClientSampleId :

VSTDCCC050

Tgt Ion: 75 Resp: 819150

Ion Ratio Lower Upper

75 100

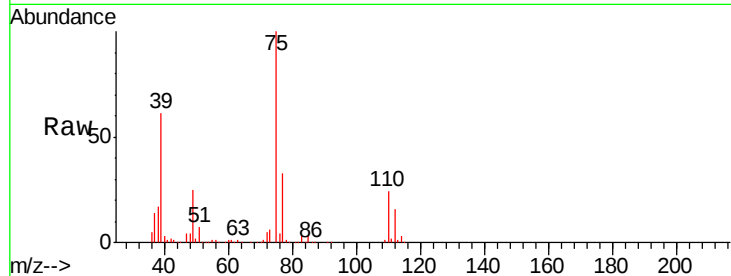
77 32.5 26.2 39.2

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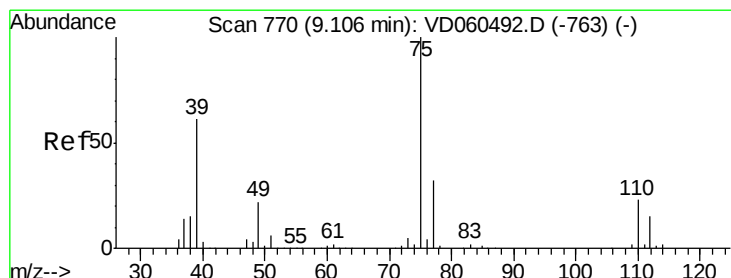
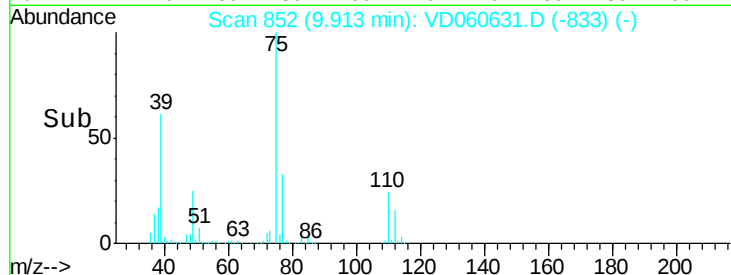
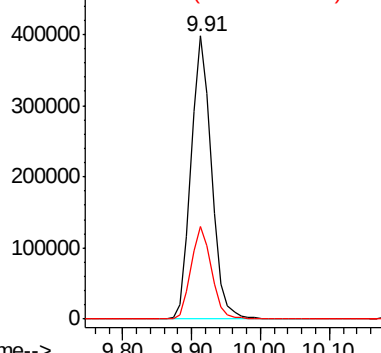
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Abundance Ion 75.00 (74.70 to 75.70): VDC

Ion 76.95 (76.65 to 77.65): VDC



#54

cis-1,3-Dichloropropene

Concen: 54.328 ug/l

RT: 9.10 min Scan# 769

Delta R.T. -0.01 min

Lab File: VD060631.D

Acq: 19 Dec 2018 10:30

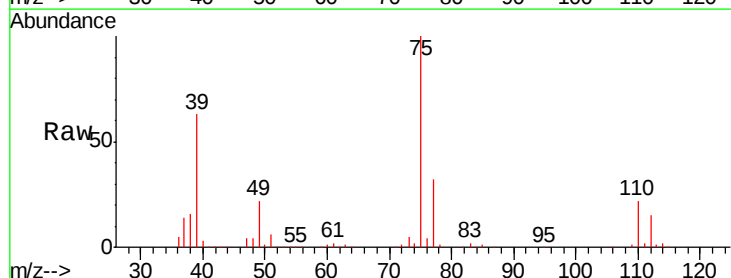
Tgt Ion: 75 Resp: 1077053

Ion Ratio Lower Upper

75 100

77 31.6 25.6 38.4

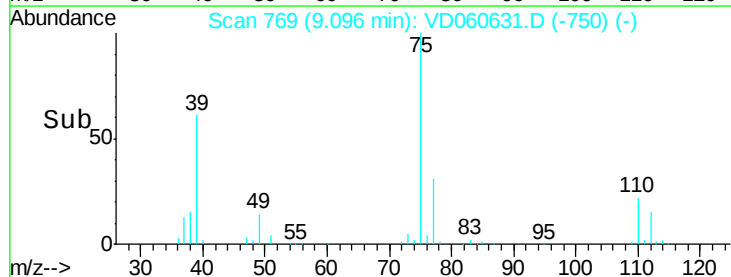
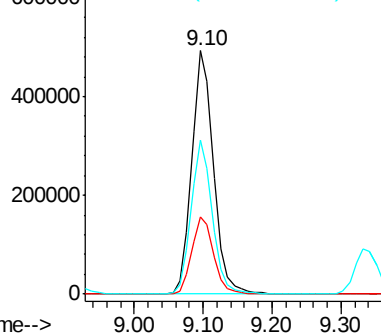
39 63.4 48.6 73.0

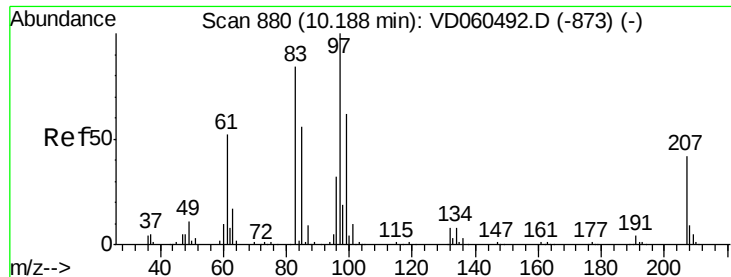


Abundance Ion 75.00 (74.70 to 75.70): VDC

Ion 76.95 (76.65 to 77.65): VDC

Ion 38.95 (38.65 to 39.65): VDC





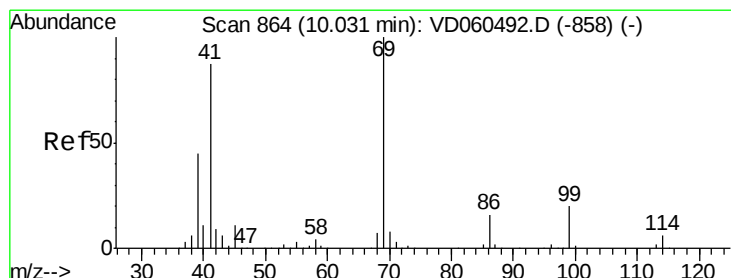
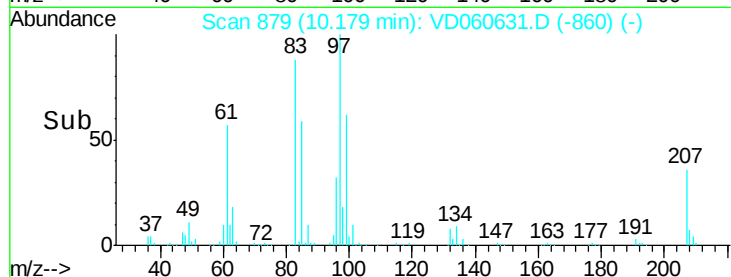
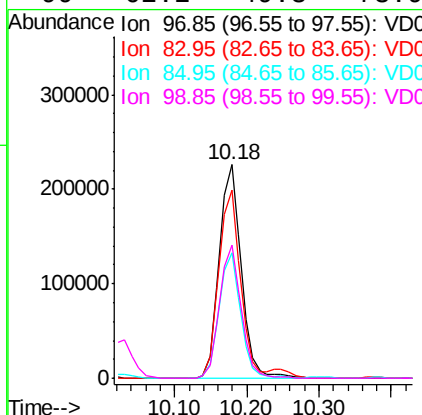
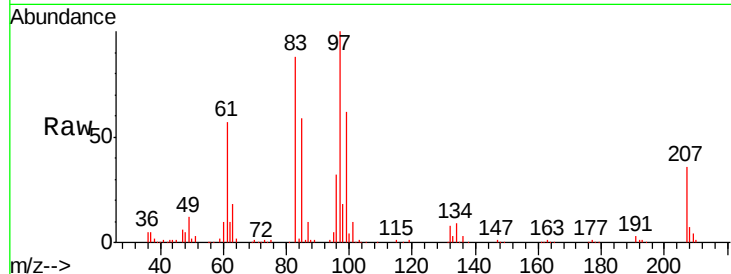
#55
 1,1,2-Trichloroethane
 Concen: 50.357 ug/l
 RT: 10.18 min Scan# 879
 Delta R.T. -0.01 min
 Lab File: VD060631.D
 Acq: 19 Dec 2018 10:30

Instrument :
 MSVOA_D
 ClientSampleId :
 VSTDCCC050

Tgt Ion:	97	Resp:	474721
Ion	Ratio	Lower	Upper
97	100		
83	88.1	67.2	100.8
85	58.6	44.5	66.7
99	62.2	49.3	73.9

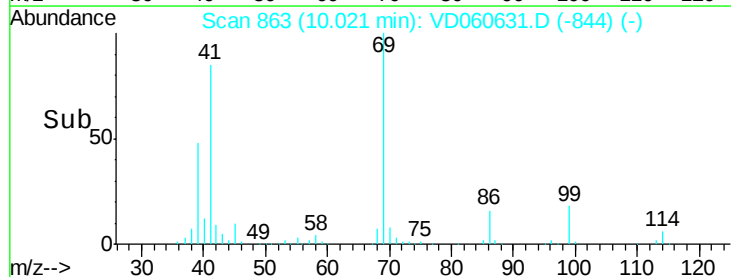
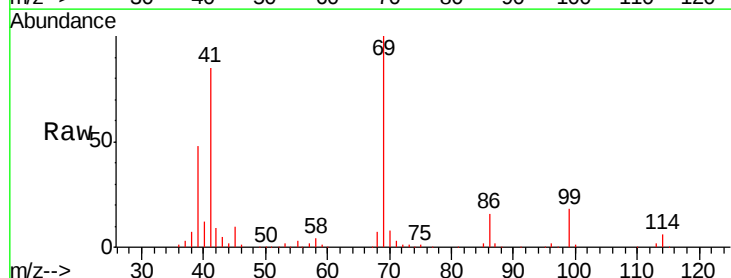
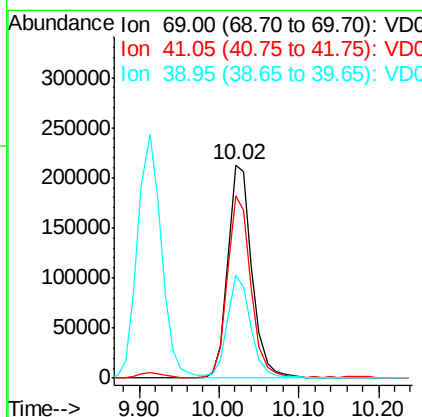
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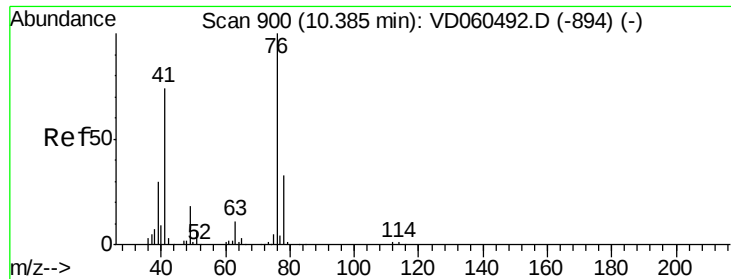
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#56
 Ethyl methacrylate
 Concen: 53.178 ug/l
 RT: 10.02 min Scan# 863
 Delta R.T. -0.01 min
 Lab File: VD060631.D
 Acq: 19 Dec 2018 10:30

Tgt Ion:	69	Resp:	453701
Ion	Ratio	Lower	Upper
69	100		
41	85.3	69.8	104.8
39	48.1	37.5	56.3





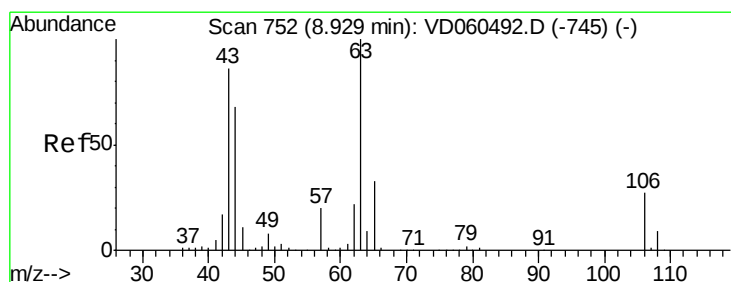
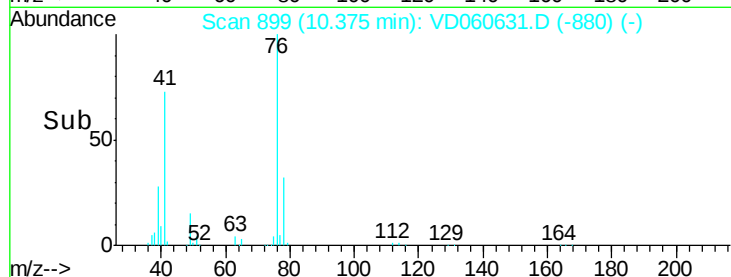
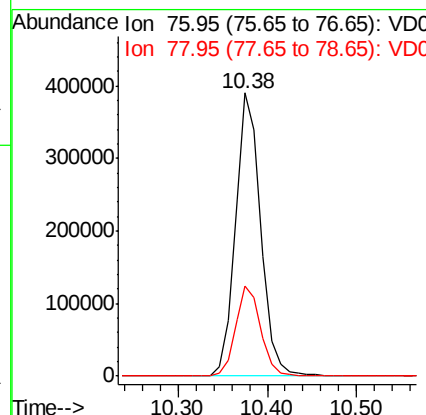
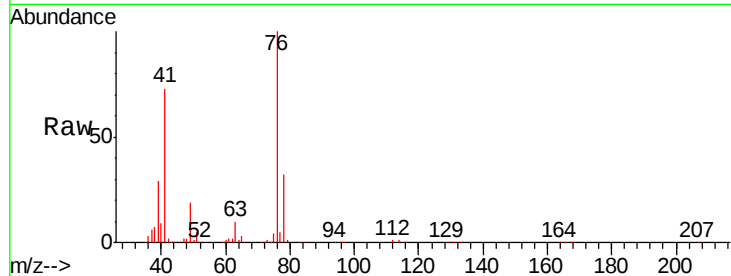
#57
 1,3-Dichloropropane
 Concen: 53.053 ug/l
 RT: 10.38 min Scan# 899
 Delta R.T. -0.01 min
 Lab File: VD060631.D
 Acq: 19 Dec 2018 10:30

Instrument :
 MSVOA_D
 ClientSampleId :
 VSTDCCC050

Tgt Ion: 76 Resp: 773144
 Ion Ratio Lower Upper
 76 100
 78 32.0 26.1 39.1

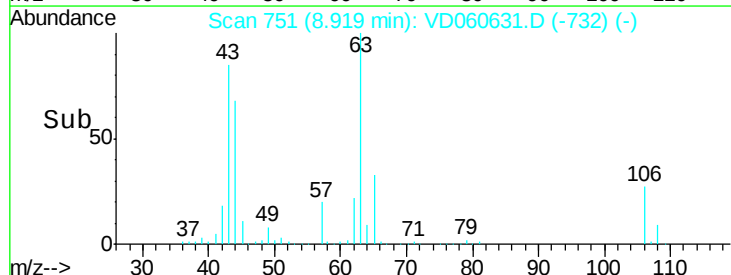
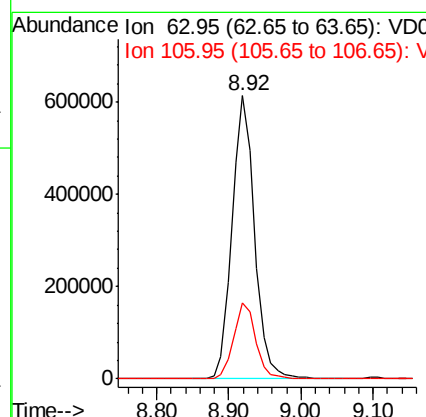
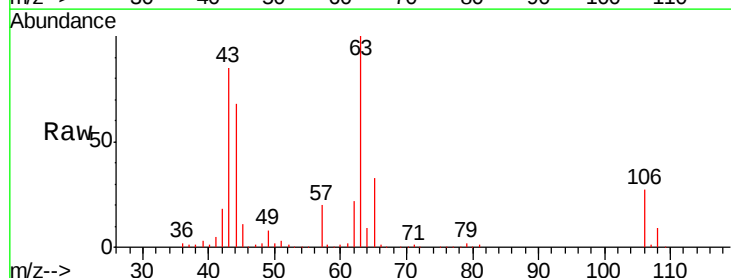
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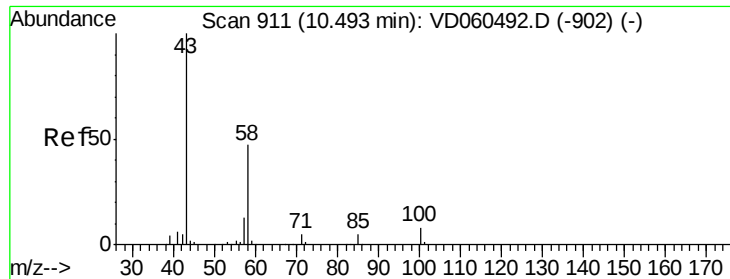
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#58
 2-Chloroethyl Vinyl ether
 Concen: 261.208 ug/l
 RT: 8.92 min Scan# 751
 Delta R.T. -0.01 min
 Lab File: VD060631.D
 Acq: 19 Dec 2018 10:30

Tgt Ion: 63 Resp: 1333436
 Ion Ratio Lower Upper
 63 100
 106 26.8 21.6 32.4





#59

2-Hexanone

Concen: 280.753 ug/l

RT: 10.48 min Scan# 910

Delta R.T. -0.01 min

Lab File: VD060631.D

Acq: 19 Dec 2018 10:30

Instrument :

MSVOA_D

ClientSampleId :

VSTDCCC050

Tgt Ion: 43 Resp: 1384911

Ion Ratio Lower Upper

43 100

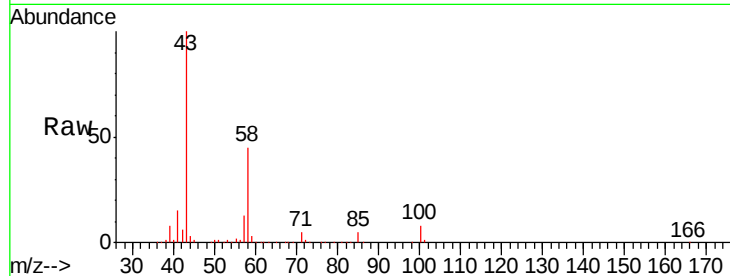
58 45.1 23.4 70.2

Manual Integrations

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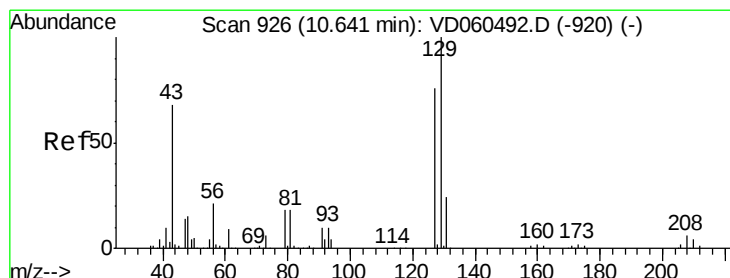
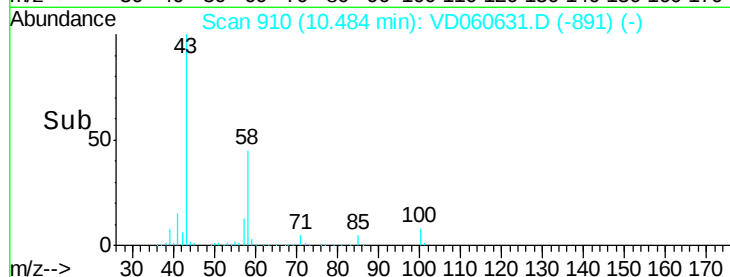
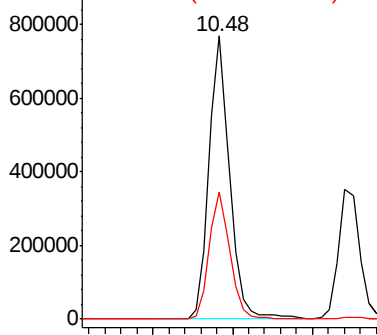
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Abundance Ion 42.95 (42.65 to 43.65): VDC

Ion 57.95 (57.65 to 58.65): VDC



#60

Dibromochloromethane

Concen: 53.895 ug/l

RT: 10.63 min Scan# 925

Delta R.T. -0.01 min

Lab File: VD060631.D

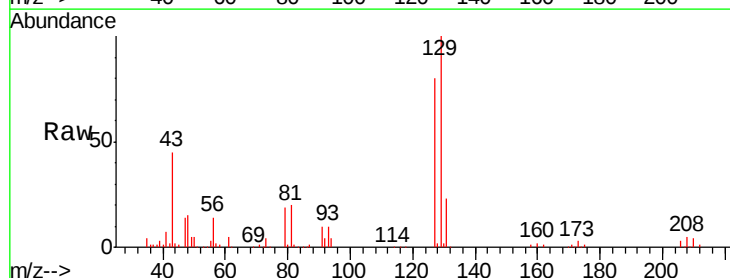
Acq: 19 Dec 2018 10:30

Tgt Ion: 129 Resp: 635223

Ion Ratio Lower Upper

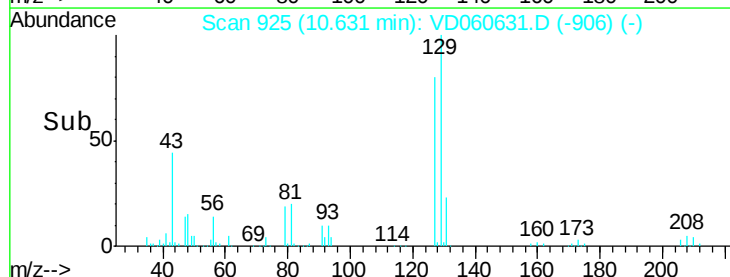
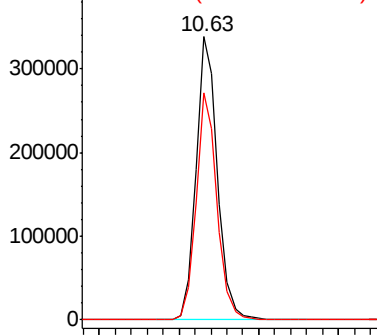
129 100

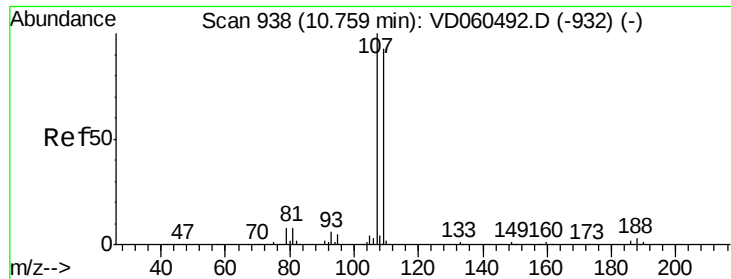
127 80.0 38.1 114.3



Abundance Ion 128.80 (128.50 to 129.50): V

Ion 126.80 (126.50 to 127.50): V





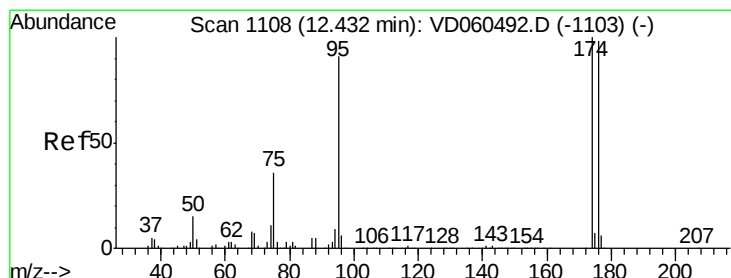
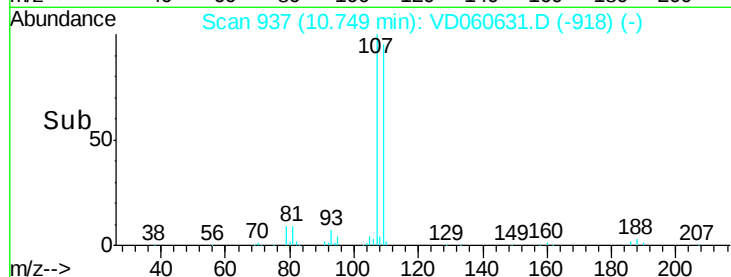
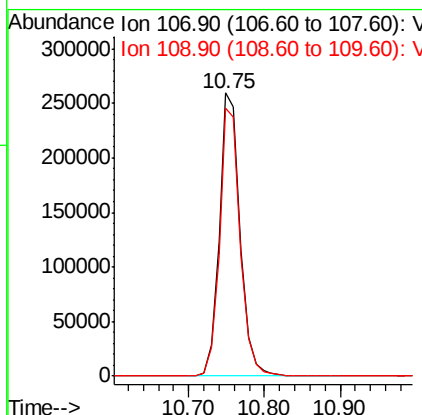
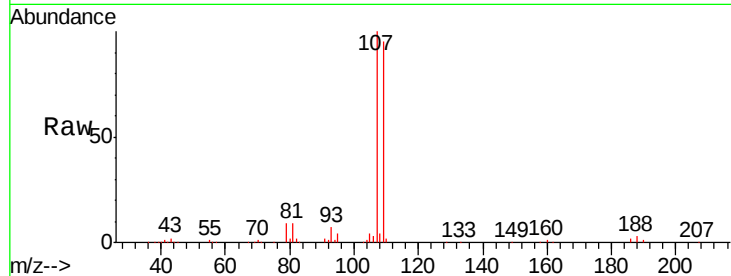
#61
1,2-Dibromoethane
Concen: 51.265 ug/l
RT: 10.75 min Scan# 937
Delta R.T. -0.01 min
Lab File: VD060631.D
Acq: 19 Dec 2018 10:30

Instrument :
MSVOA_D
ClientSampleId :
VSTDCCC050

Tgt Ion: 107 Resp: 492512
Ion Ratio Lower Upper
107 100
109 94.7 74.7 112.1

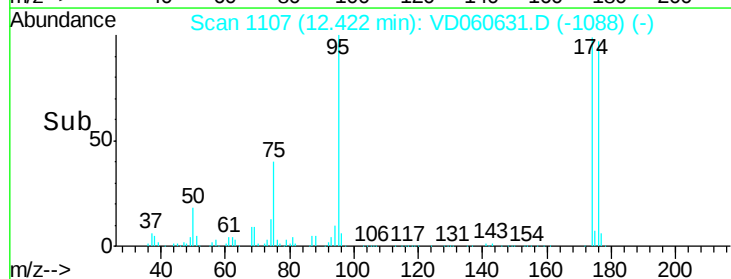
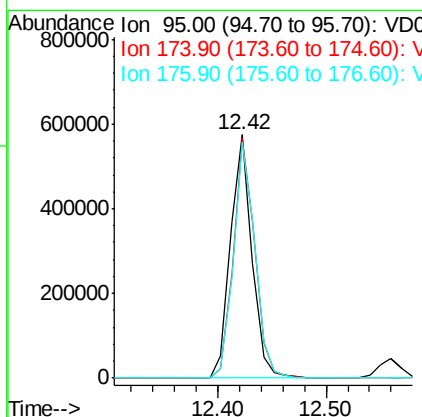
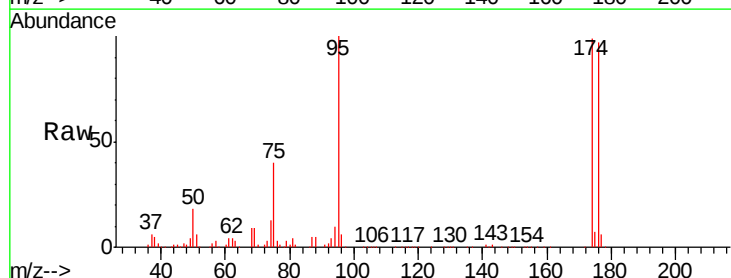
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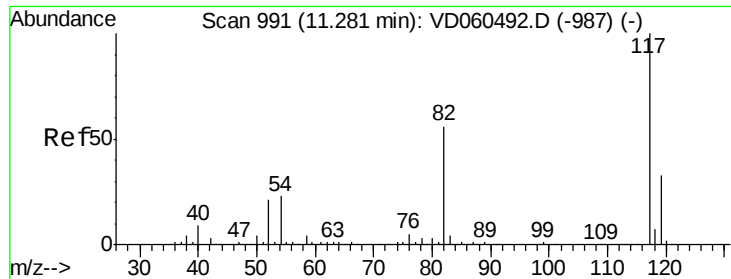
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#62
4-Bromofluorobenzene
Concen: 51.265 ug/l
RT: 12.42 min Scan# 1107
Delta R.T. -0.01 min
Lab File: VD060631.D
Acq: 19 Dec 2018 10:30

Tgt Ion: 95 Resp: 793405
Ion Ratio Lower Upper
95 100
174 98.7 0.0 219.4
176 97.1 0.0 214.6





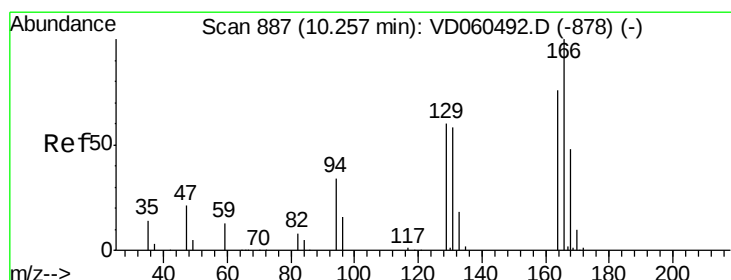
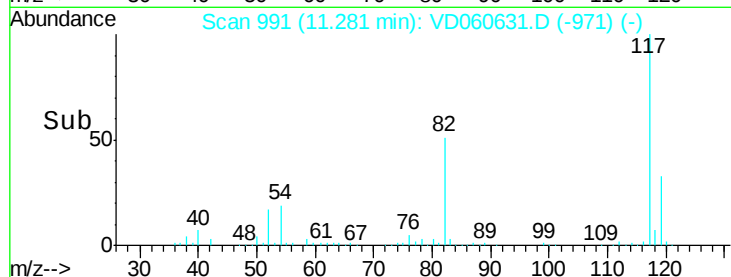
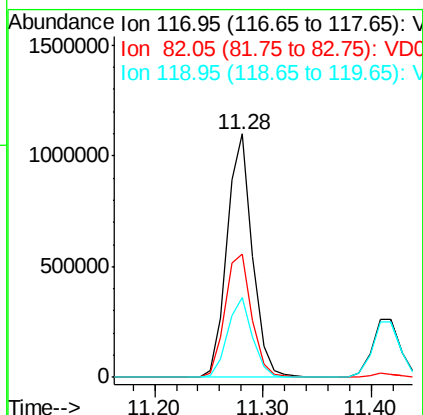
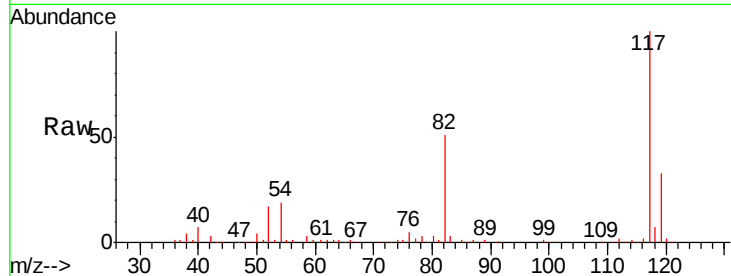
#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 11.28 min Scan# 991
Delta R.T. 0.00 min
Lab File: VD060631.D
Acq: 19 Dec 2018 10:30

Instrument :
MSVOA_D
ClientSampleId :
VSTDCCC050

Tgt Ion:117 Resp: 1794676
Ion Ratio Lower Upper
117 100
82 50.8 45.2 67.8
119 32.8 26.1 39.1

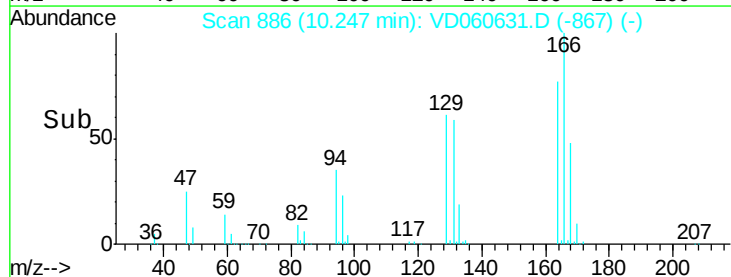
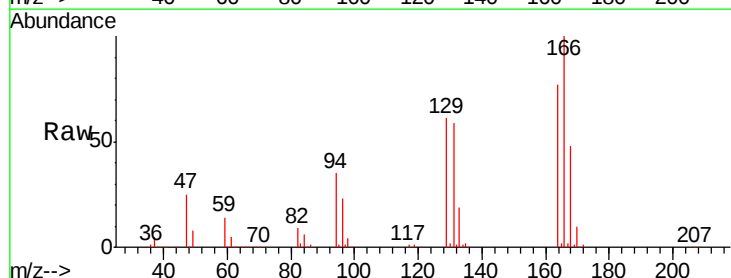
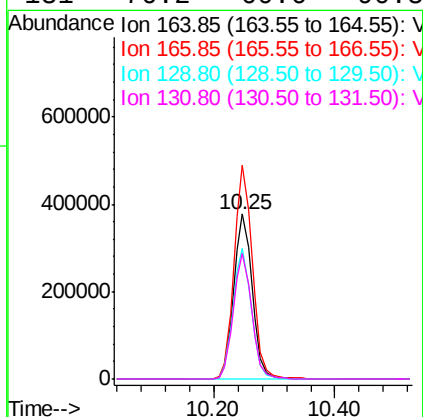
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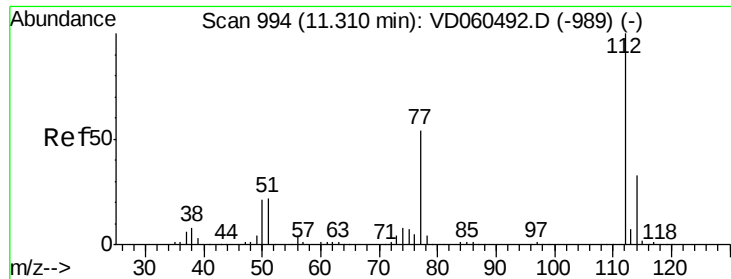
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#64
Tetrachloroethene
Concen: 50.470 ug/l
RT: 10.25 min Scan# 886
Delta R.T. -0.01 min
Lab File: VD060631.D
Acq: 19 Dec 2018 10:30

Tgt Ion:164 Resp: 802054
Ion Ratio Lower Upper
164 100
166 129.5 105.0 157.6
129 79.5 63.0 94.4
131 76.2 60.6 90.8





#65

Chlorobenzene

Concen: 48.839 ug/l

RT: 11.31 min Scan# 994

Delta R.T. 0.00 min

Lab File: VD060631.D

Acq: 19 Dec 2018 10:30

Instrument :

MSVOA_D

ClientSampleId :

VSTDCCC050

Tgt Ion:112 Resp: 1854300

Ion Ratio Lower Upper

112 100

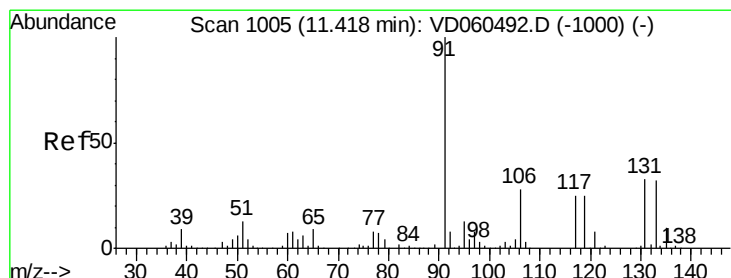
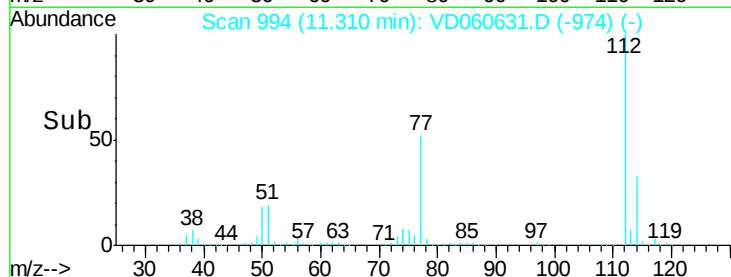
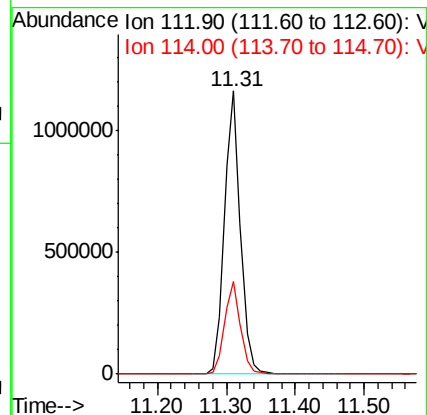
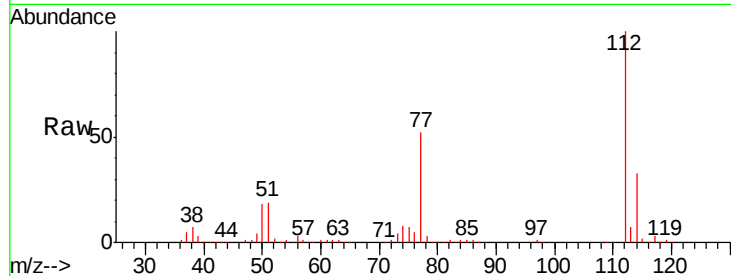
114 32.6 26.2 39.4

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#66

1,1,1,2-Tetrachloroethane

Concen: 53.227 ug/l

RT: 11.42 min Scan# 1005

Delta R.T. 0.00 min

Lab File: VD060631.D

Acq: 19 Dec 2018 10:30

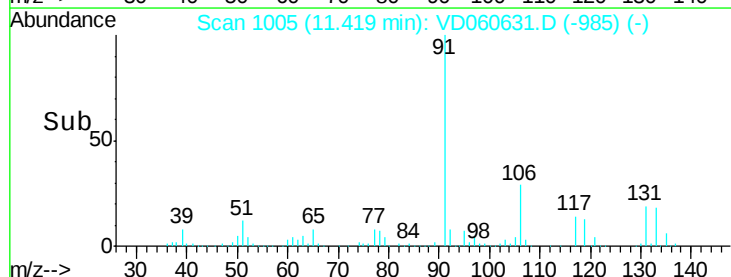
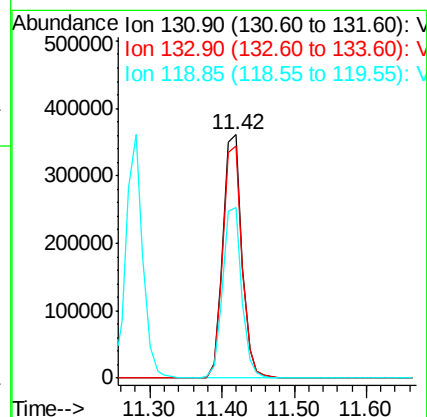
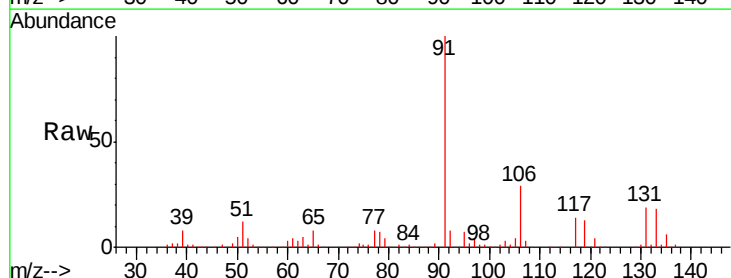
Tgt Ion:131 Resp: 651360

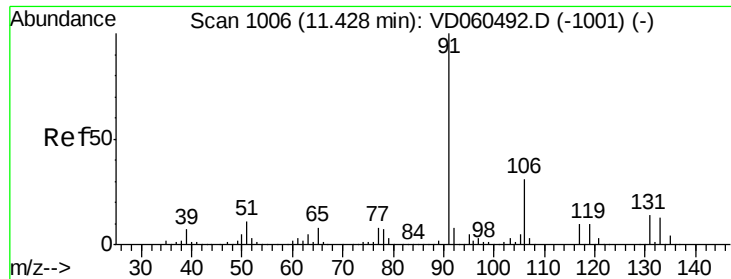
Ion Ratio Lower Upper

131 100

133 95.6 49.1 147.3

119 70.1 37.5 112.3





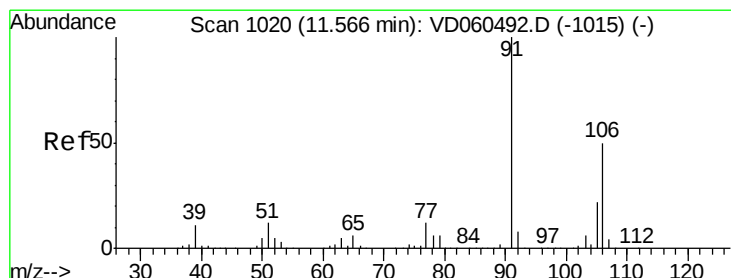
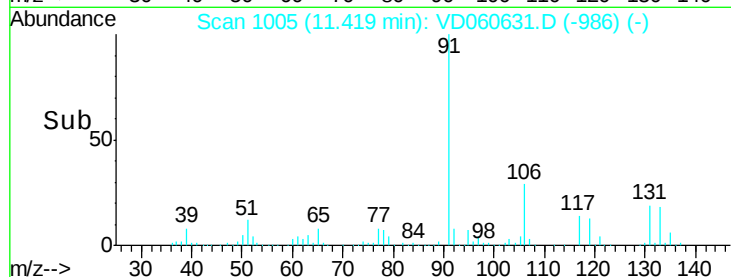
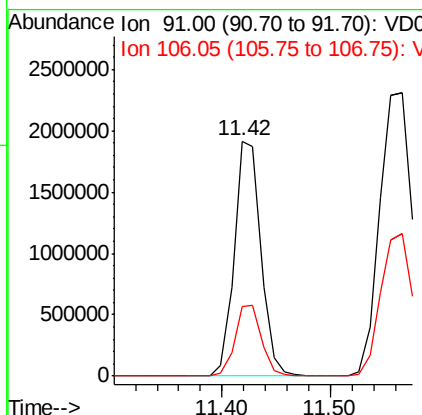
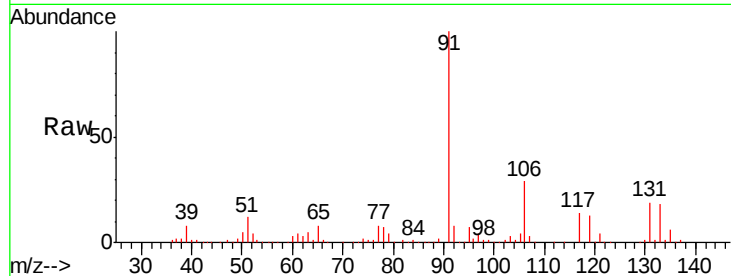
#67
Ethyl Benzene
Concen: 50.591 ug/l
RT: 11.42 min Scan# 1005
Delta R.T. -0.01 min
Lab File: VD060631.D
Acq: 19 Dec 2018 10:30

Instrument :
MSVOA_D
ClientSampleId :
VSTDCCC050

Tgt Ion: 91 Resp: 3276350
Ion Ratio Lower Upper
91 100
106 29.4 24.6 37.0

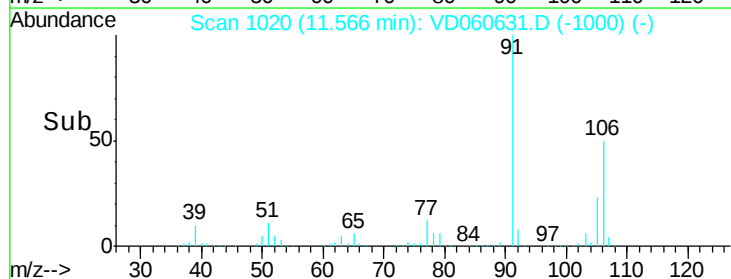
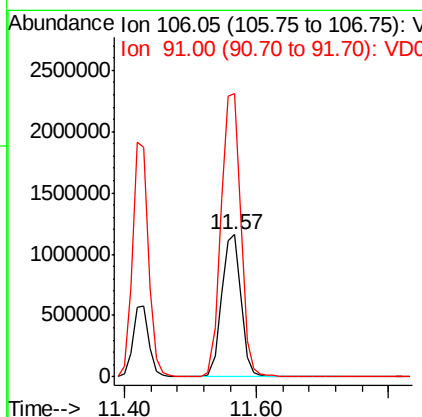
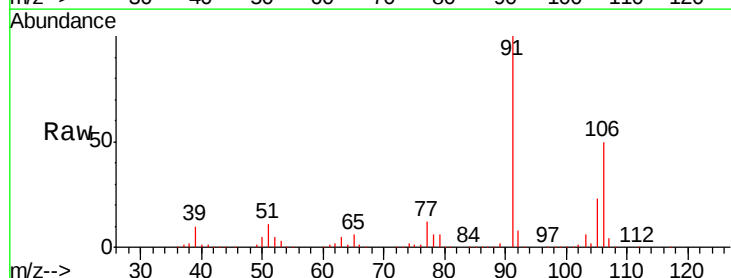
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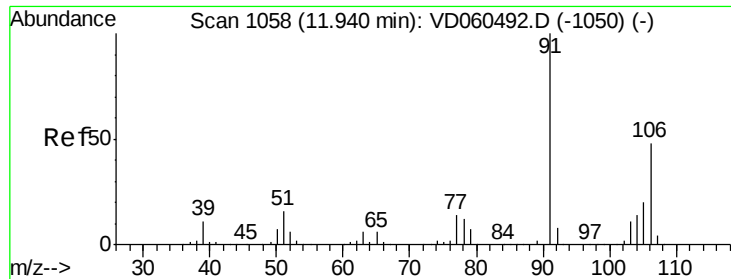
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#68
m/p-Xylenes
Concen: 98.942 ug/l
RT: 11.57 min Scan# 1020
Delta R.T. 0.00 min
Lab File: VD060631.D
Acq: 19 Dec 2018 10:30

Tgt Ion: 106 Resp: 2370534
Ion Ratio Lower Upper
106 100
91 199.3 160.5 240.7





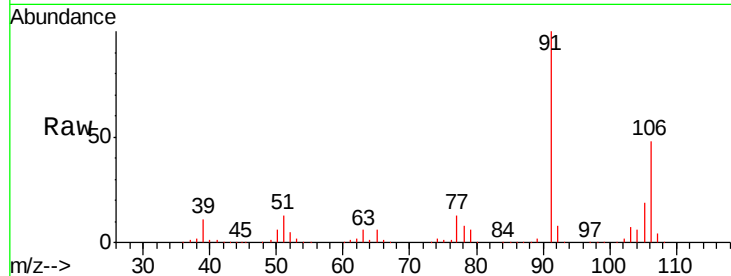
#69
o-Xylene
Concen: 50.973 ug/l
RT: 11.93 min Scan# 1057
Delta R.T. -0.01 min
Lab File: VD060631.D
Acq: 19 Dec 2018 10:30

Instrument :
MSVOA_D
ClientSampleId :
VSTDCCC050

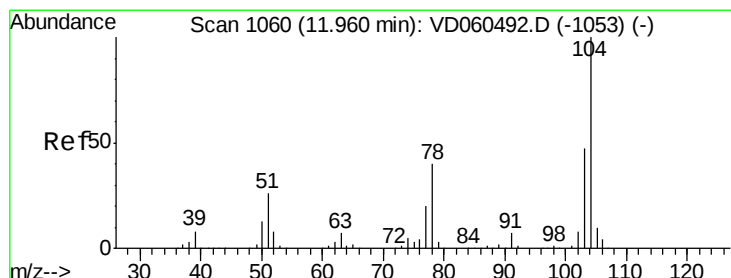
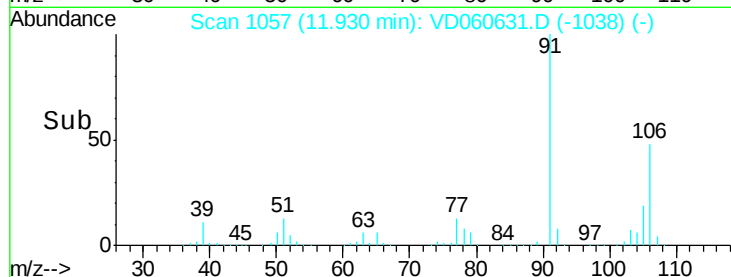
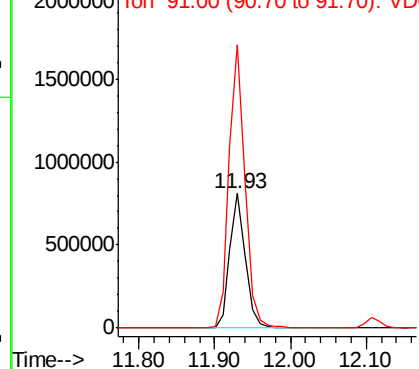
Tgt Ion:106 Resp: 1163868
Ion Ratio Lower Upper
106 100
91 210.5 103.4 310.1

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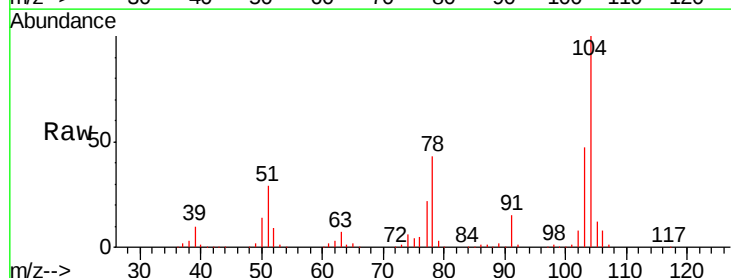


Abundance Ion 106.05 (105.75 to 106.75): V
Ion 91.00 (90.70 to 91.70): V

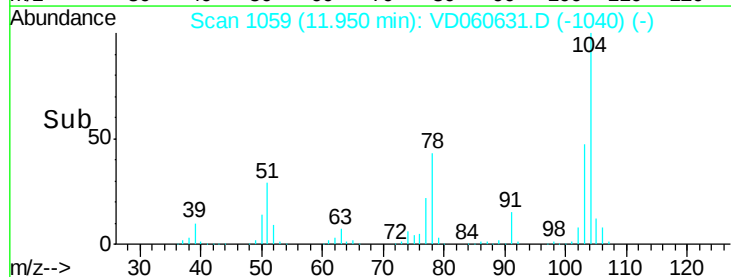
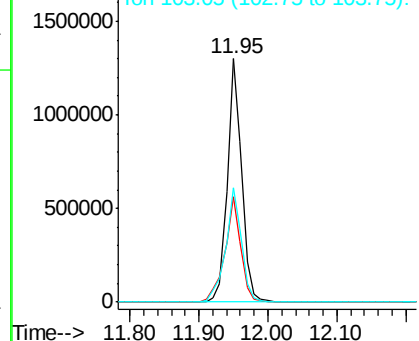


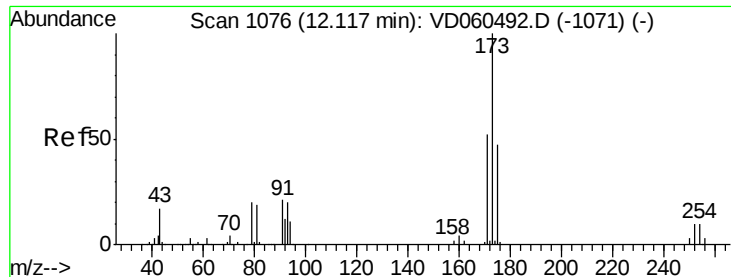
#70
Styrene
Concen: 50.980 ug/l
RT: 11.95 min Scan# 1059
Delta R.T. -0.01 min
Lab File: VD060631.D
Acq: 19 Dec 2018 10:30

Tgt Ion:104 Resp: 1868403
Ion Ratio Lower Upper
104 100
78 43.1 32.1 48.1
103 47.2 37.2 55.8



Abundance Ion 104.05 (103.75 to 104.75): V
Ion 77.95 (77.65 to 78.65): V
Ion 103.05 (102.75 to 103.75): V





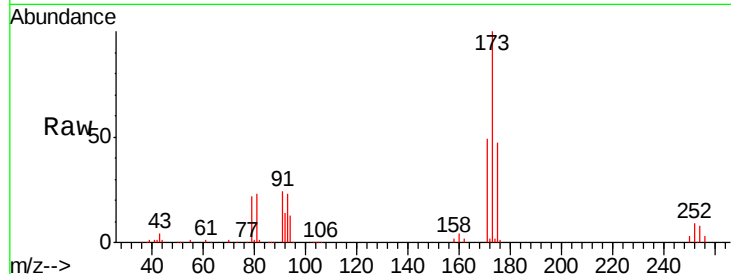
#71
Bromoform
Concen: 51.051 ug/l
RT: 12.11 min Scan# 1075
Delta R.T. -0.01 min
Lab File: VD060631.D
Acq: 19 Dec 2018 10:30

Instrument :
MSVOA_D
ClientSampleId :
VSTDCCC050

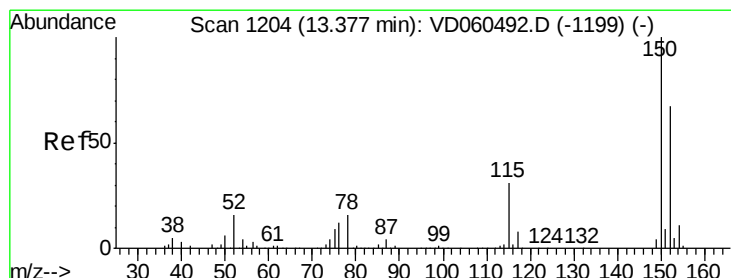
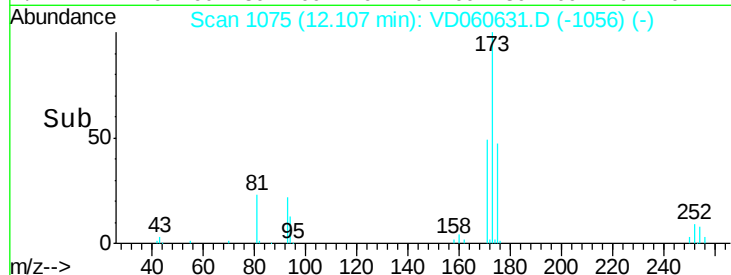
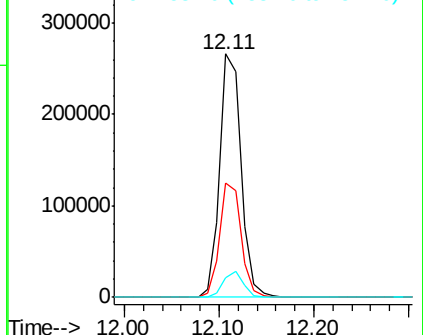
Tgt Ion:173 Resp: 416805
Ion Ratio Lower Upper
173 100
175 46.8 23.5 70.6
254 8.1 7.8 11.8

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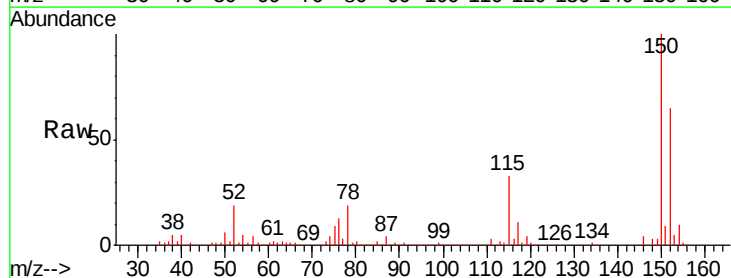


Abundance Ion 172.80 (172.50 to 173.50): V
Ion 174.80 (174.50 to 175.50): V
Ion 253.70 (253.40 to 254.40): V

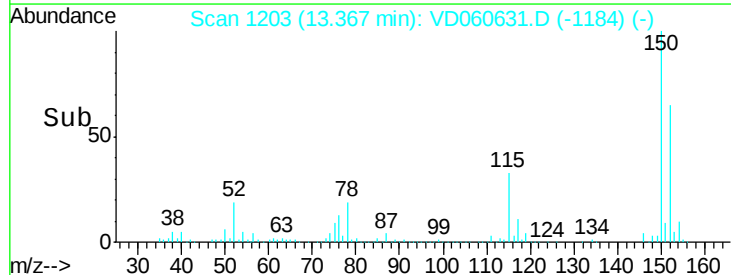
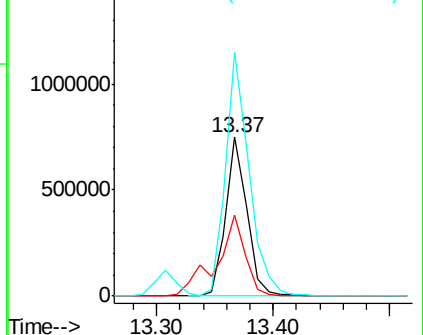


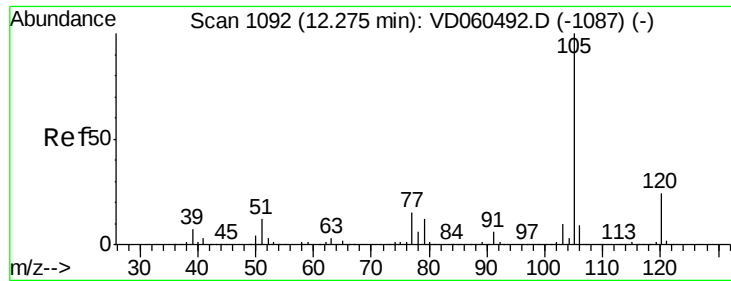
#72
1,4-Dichlorobenzene-d4
Concen: 50.000 ug/l
RT: 13.37 min Scan# 1203
Delta R.T. -0.01 min
Lab File: VD060631.D
Acq: 19 Dec 2018 10:30

Tgt Ion:152 Resp: 948541
Ion Ratio Lower Upper
152 100
115 51.1 24.6 74.0
150 153.5 0.0 309.0



Abundance Ion 151.90 (151.60 to 152.60): V
Ion 115.00 (114.70 to 115.70): V
Ion 149.90 (149.60 to 150.60): V





#73

Isopropylbenzene

Concen: 46.624 ug/l

RT: 12.27 min Scan# 1092

Delta R.T. 0.00 min

Lab File: VD060631.D

Acq: 19 Dec 2018 10:30

Instrument :

MSVOA_D

ClientSampleId :

VSTDCCC050

Tgt Ion: 105 Resp: 3129475

Ion Ratio Lower Upper

105 100

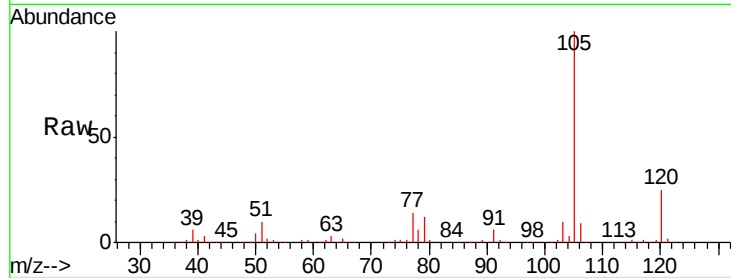
120 25.3 11.9 35.9

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Abundance Ion 105.05 (104.75 to 105.75): V

Ion 120.05 (119.75 to 120.75): V

2000000

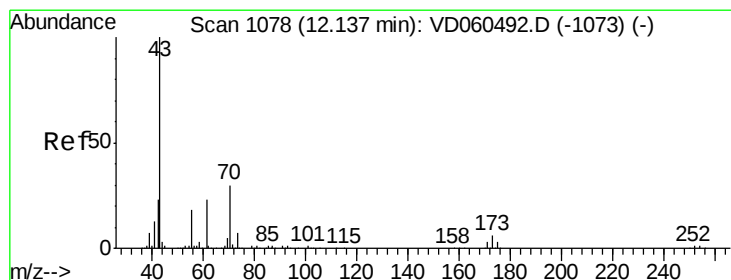
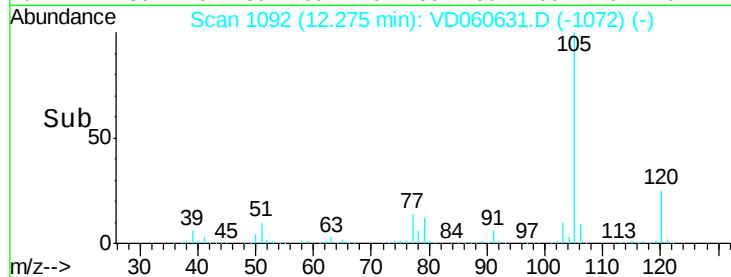
1500000

1000000

500000

0

Time--> 12.20 12.30 12.40



#74

N-ethyl acetate

Concen: 45.922 ug/l

RT: 12.13 min Scan# 1077

Delta R.T. -0.01 min

Lab File: VD060631.D

Acq: 19 Dec 2018 10:30

Tgt Ion: 43 Resp: 744951

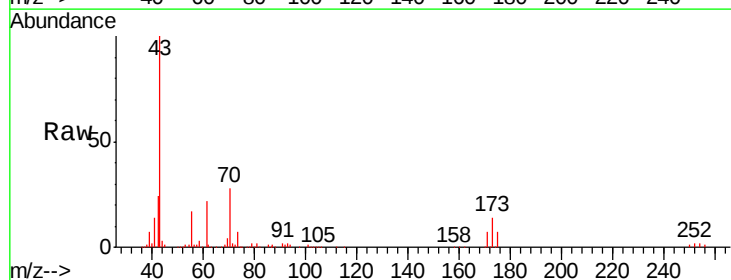
Ion Ratio Lower Upper

43 100

70 28.2 23.8 35.8

55 17.0 14.2 21.2

61 22.0 18.1 27.1



Abundance Ion 42.95 (42.65 to 43.65): VDC

Ion 70.00 (69.70 to 70.70): VDC

Ion 55.00 (54.70 to 55.70): VDC

Ion 60.95 (60.65 to 61.65): VDC

800000

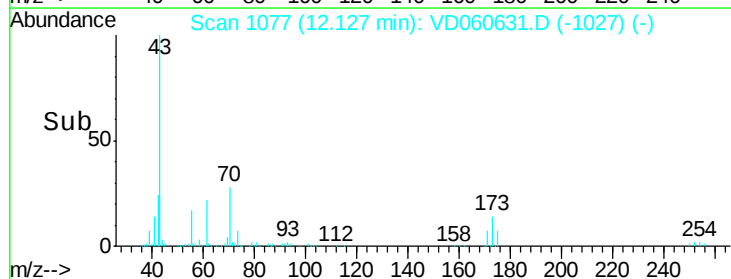
600000

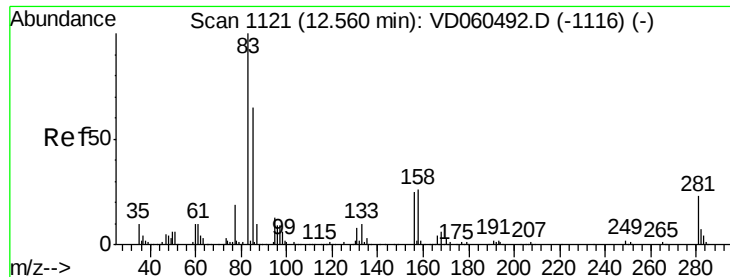
400000

200000

0

Time--> 12.00 12.10 12.20





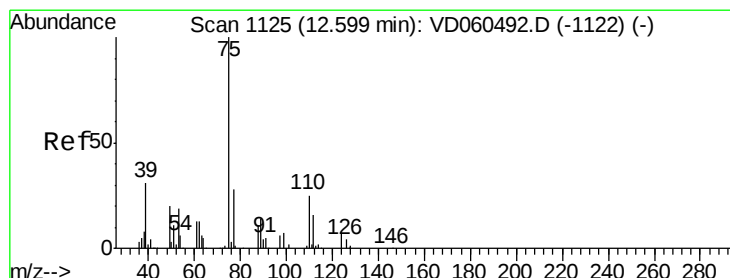
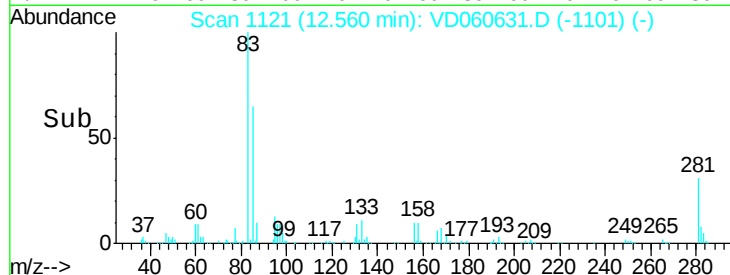
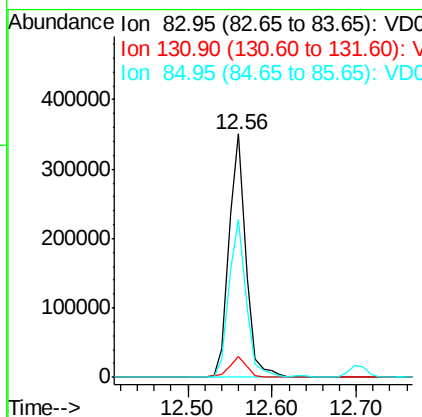
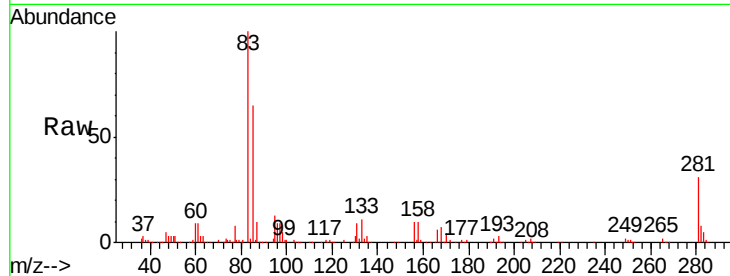
#75
 1,1,2,2-Tetrachloroethane
 Concen: 45.655 ug/l
 RT: 12.56 min Scan# 1121
 Delta R.T. 0.00 min
 Lab File: VD060631.D
 Acq: 19 Dec 2018 10:30

Instrument :
 MSVOA_D
 ClientSampleId :
 VSTDCCC050

Tgt Ion	Ratio	Resp Lower	Resp Upper
83	100		
131	8.8	3.8	11.4
85	64.8	32.3	96.9

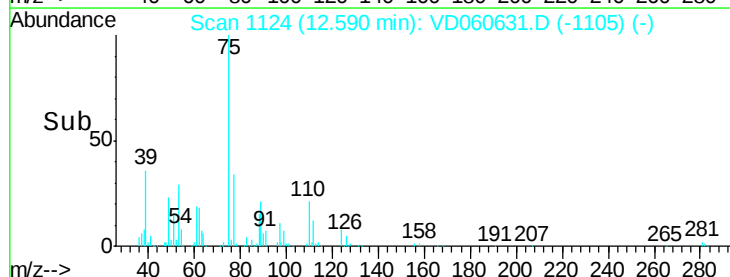
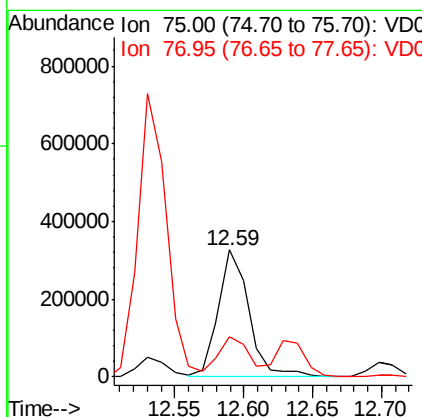
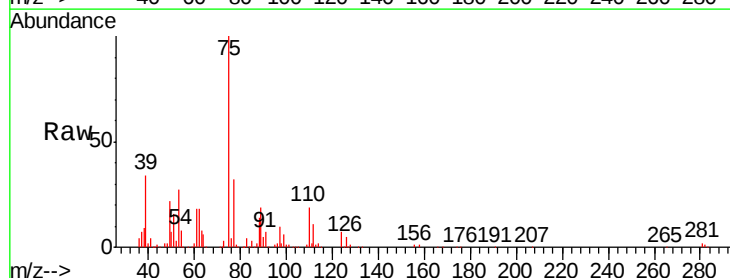
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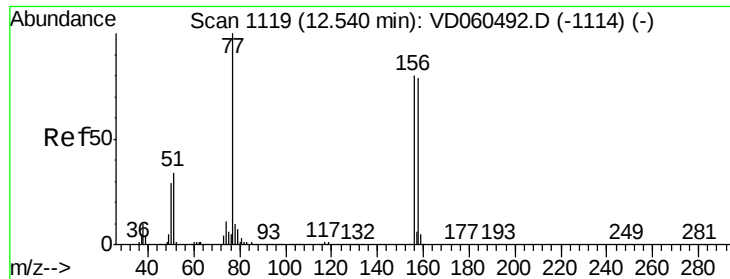
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#76
 1,2,3-Trichloropropane
 Concen: 46.691 ug/l
 RT: 12.59 min Scan# 1124
 Delta R.T. -0.01 min
 Lab File: VD060631.D
 Acq: 19 Dec 2018 10:30

Tgt Ion	Ratio	Resp Lower	Resp Upper
75	100		
77	32.0	16.4	49.4





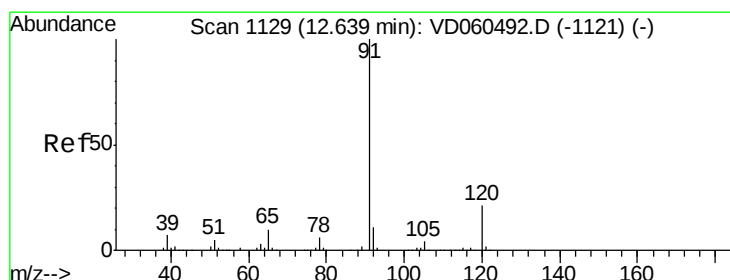
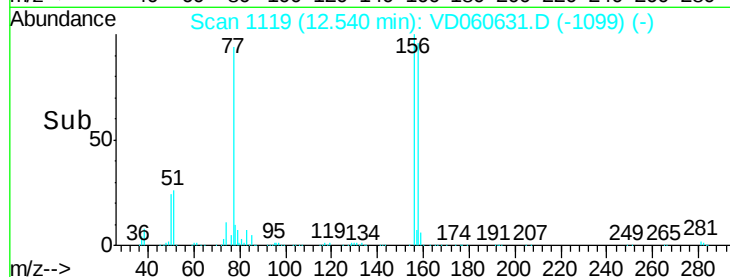
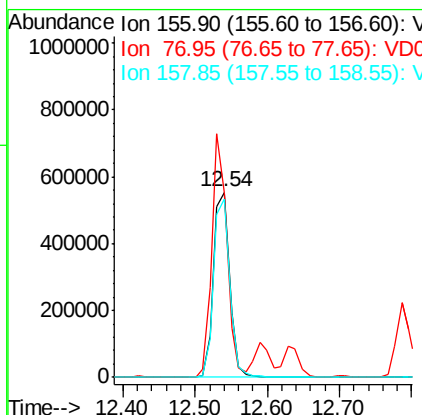
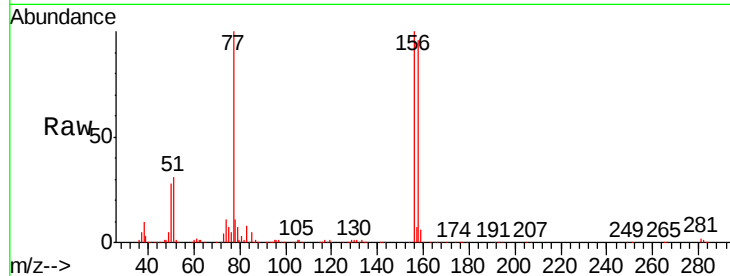
#77
Bromobenzene
Concen: 48.402 ug/l
RT: 12.54 min Scan# 1119
Delta R.T. 0.00 min
Lab File: VD060631.D
Acq: 19 Dec 2018 10:30

Instrument :
MSVOA_D
ClientSampleId :
VSTDCCC050

Tgt Ion	Ratio	Lower	Upper
156	100		
77	99.8	62.5	187.6
158	96.1	49.4	148.2

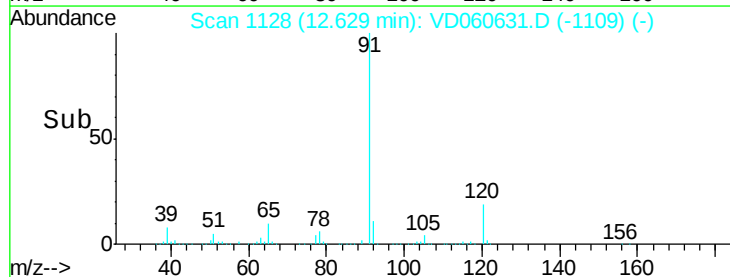
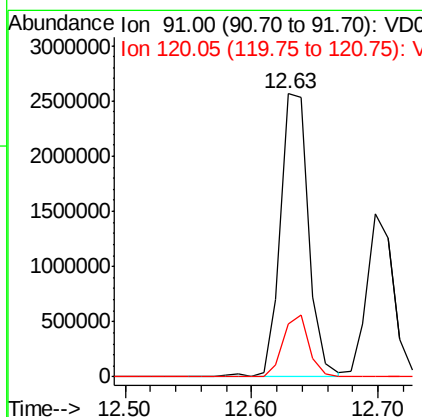
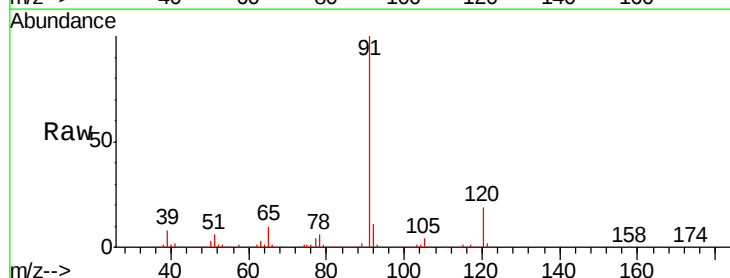
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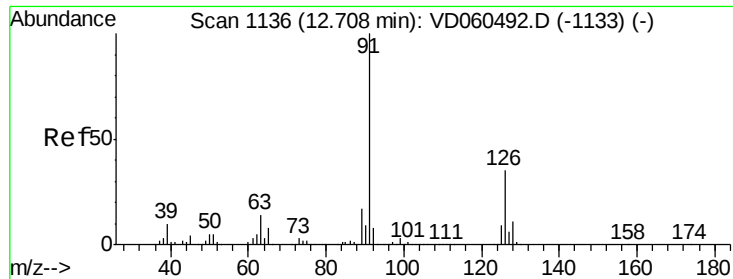
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#78
n-propylbenzene
Concen: 46.962 ug/l
RT: 12.63 min Scan# 1128
Delta R.T. -0.01 min
Lab File: VD060631.D
Acq: 19 Dec 2018 10:30

Tgt Ion	Ratio	Lower	Upper
91	100		
120	18.9	10.4	31.1





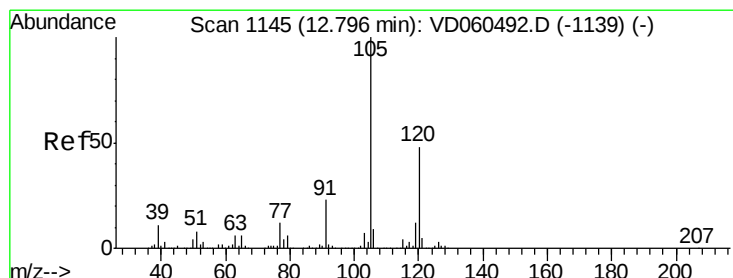
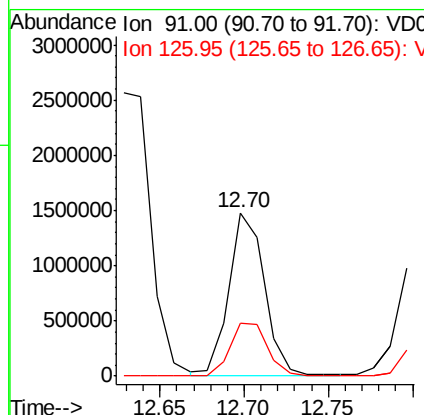
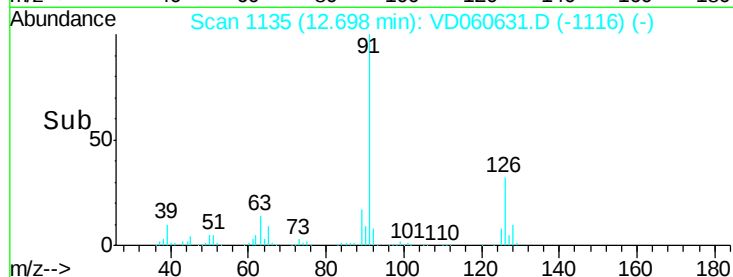
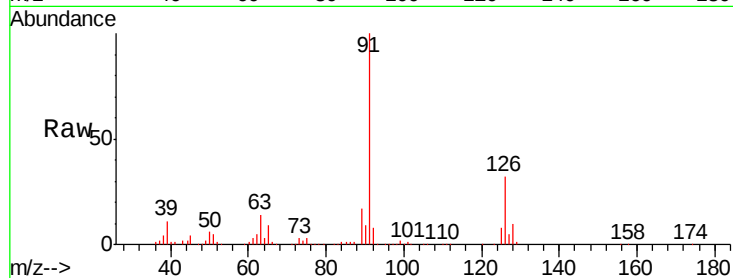
#79
 2-Chlorotoluene
 Concen: 47.240 ug/l
 RT: 12.70 min Scan# 1135
 Delta R.T. -0.01 min
 Lab File: VD060631.D
 Acq: 19 Dec 2018 10:30

Instrument :
 MSVOA_D
 ClientSampleId :
 VSTDCCC050

Tgt Ion: 91 Resp: 2174993
 Ion Ratio Lower Upper
 91 100
 126 32.2 17.3 52.0

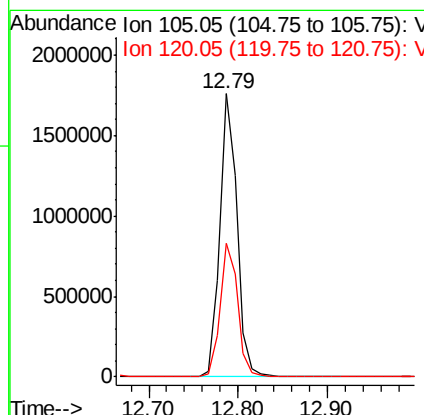
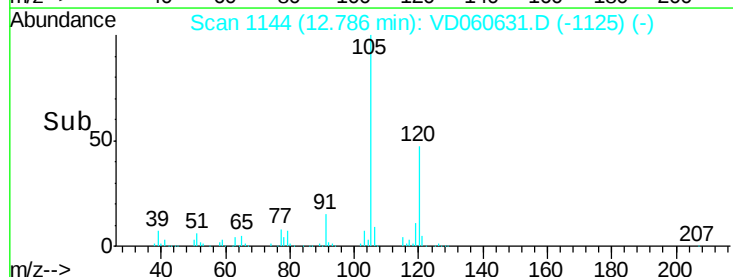
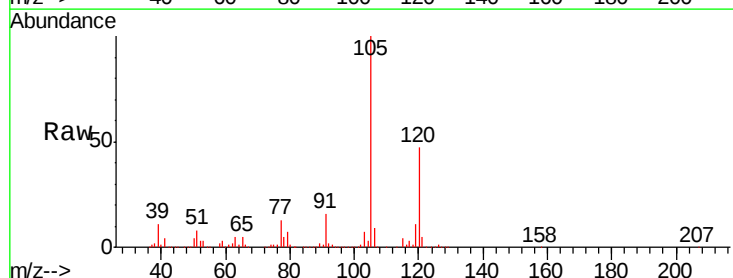
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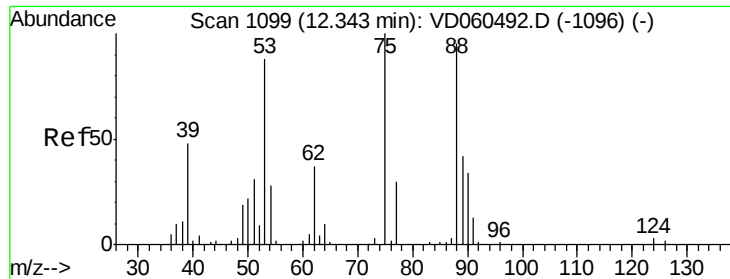
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#80
 1,3,5-Trimethylbenzene
 Concen: 46.099 ug/l
 RT: 12.79 min Scan# 1144
 Delta R.T. -0.01 min
 Lab File: VD060631.D
 Acq: 19 Dec 2018 10:30

Tgt Ion: 105 Resp: 2364381
 Ion Ratio Lower Upper
 105 100
 120 47.4 24.2 72.6





#81

trans-1,4-Dichloro-2-butene

Concen: 49.561 ug/l

RT: 12.33 min Scan# 1098

Delta R.T. -0.01 min

Lab File: VD060631.D

Acq: 19 Dec 2018 10:30

Instrument :

MSVOA_D

ClientSampleId :

VSTDCCC050

Tgt Ion: 75 Resp: 148560
Ion Ratio Lower Upper

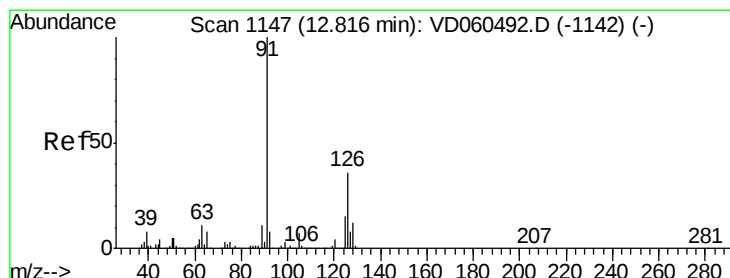
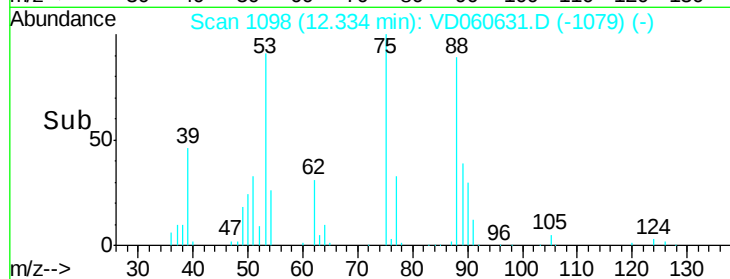
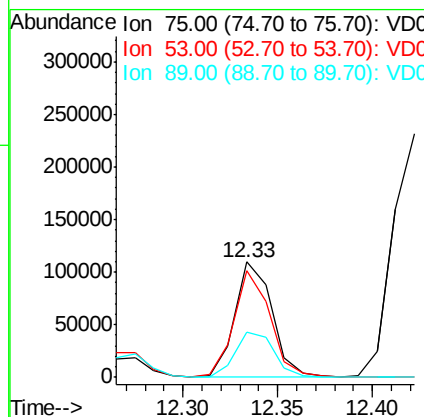
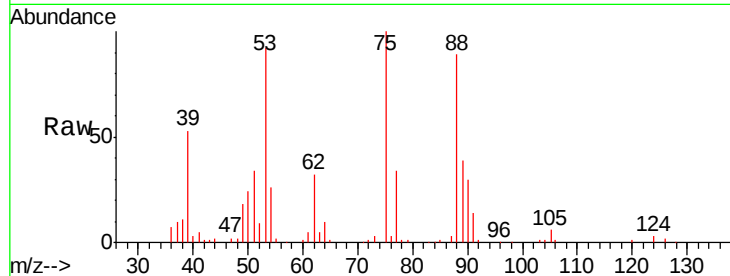
75 100

53 92.1 70.5 105.7

89 38.9 33.6 50.4

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#82

4-Chlorotoluene

Concen: 46.211 ug/l

RT: 12.81 min Scan# 1146

Delta R.T. -0.01 min

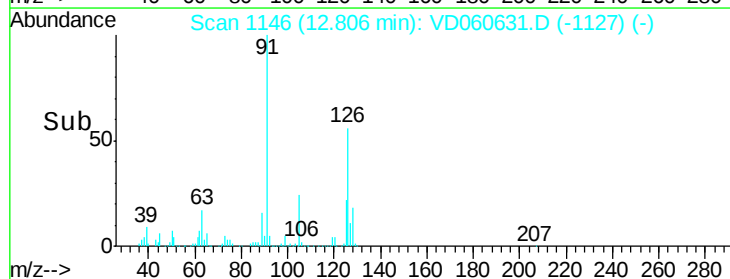
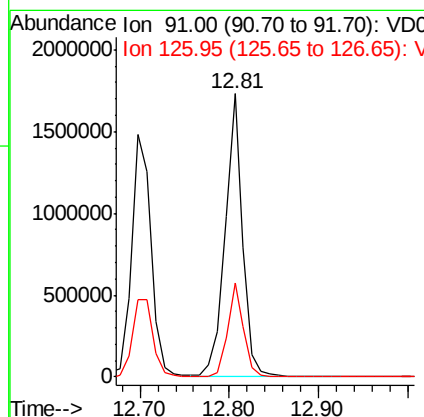
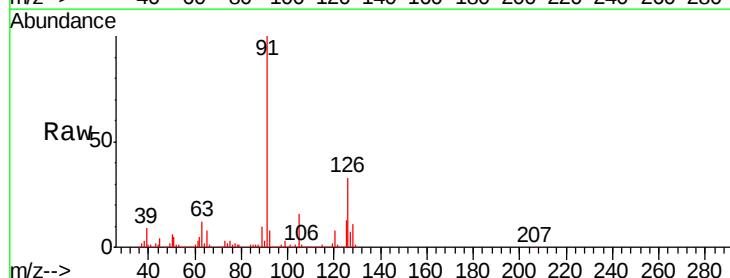
Lab File: VD060631.D

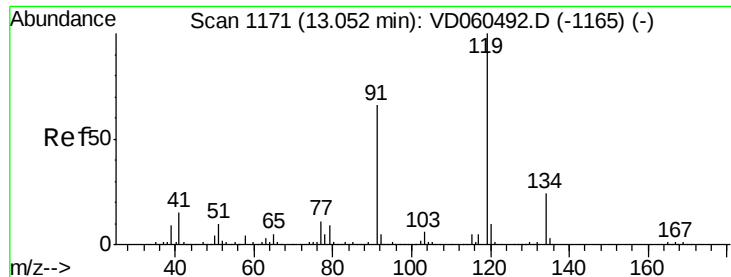
Acq: 19 Dec 2018 10:30

Tgt Ion: 91 Resp: 2389663
Ion Ratio Lower Upper

91 100

126 33.3 17.8 53.4





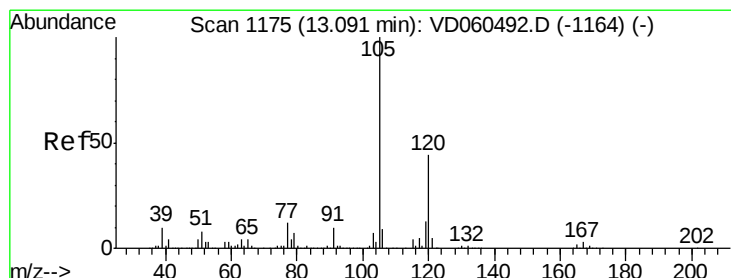
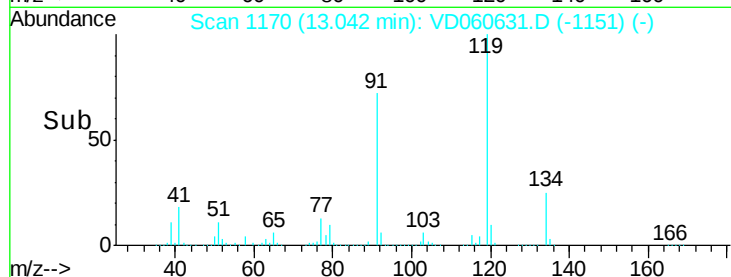
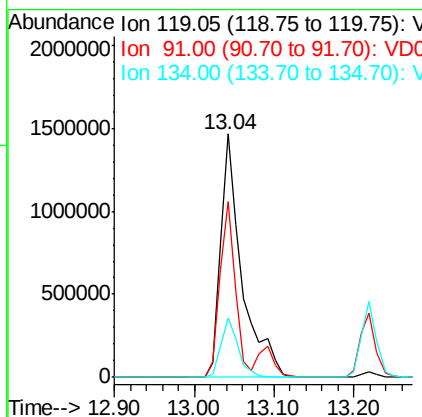
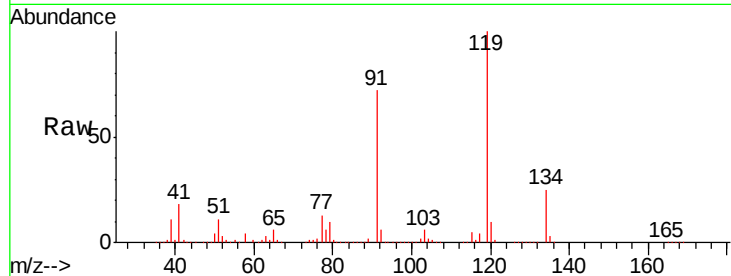
#83
 tert-Butylbenzene
 Concen: 47.898 ug/l
 RT: 13.04 min Scan# 1170
 Delta R.T. -0.01 min
 Lab File: VD060631.D
 Acq: 19 Dec 2018 10:30

Instrument :
 MSVOA_D
 ClientSampleId :
 VSTDCCC050

Tgt Ion:119 Resp: 2754503
 Ion Ratio Lower Upper
 119 100
 91 72.2 33.1 99.2
 134 24.5 12.0 36.0

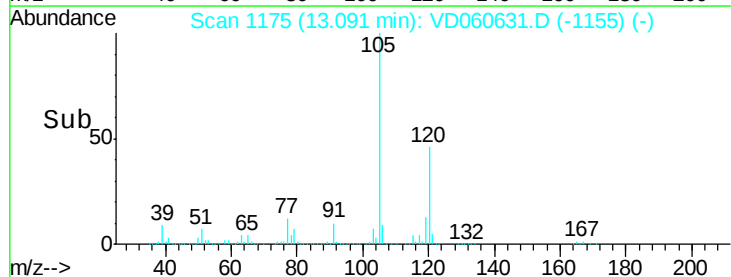
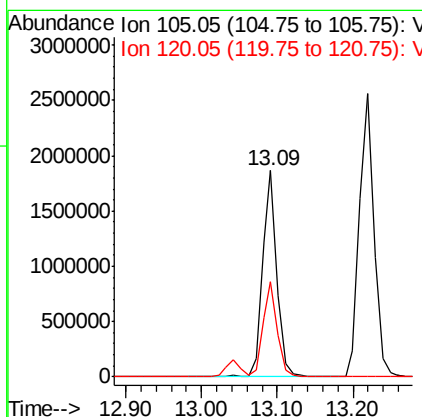
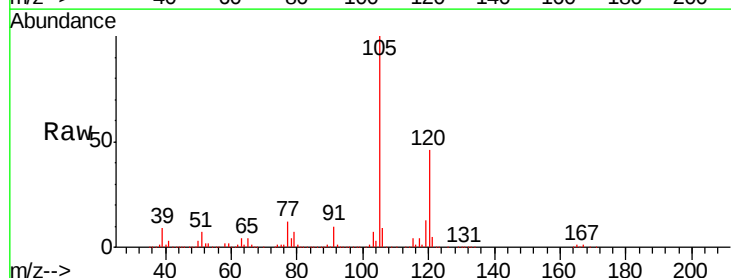
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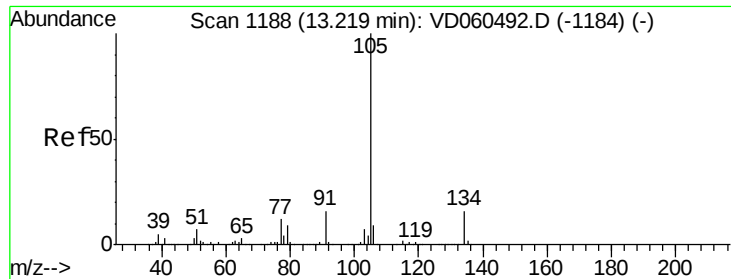
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#84
 1,2,4-Trimethylbenzene
 Concen: 46.514 ug/l
 RT: 13.09 min Scan# 1175
 Delta R.T. 0.00 min
 Lab File: VD060631.D
 Acq: 19 Dec 2018 10:30

Tgt Ion:105 Resp: 2470230
 Ion Ratio Lower Upper
 105 100
 120 46.0 22.3 66.8





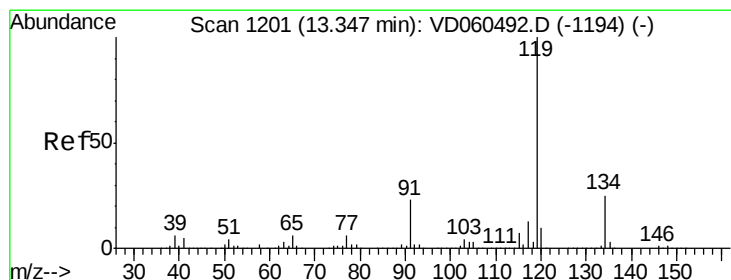
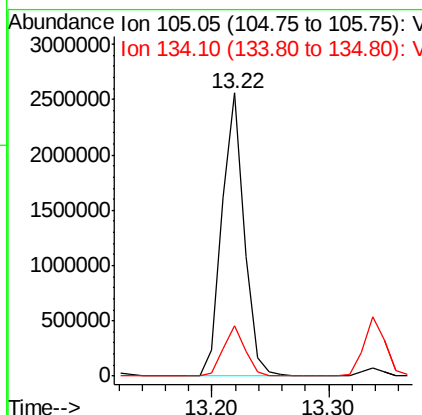
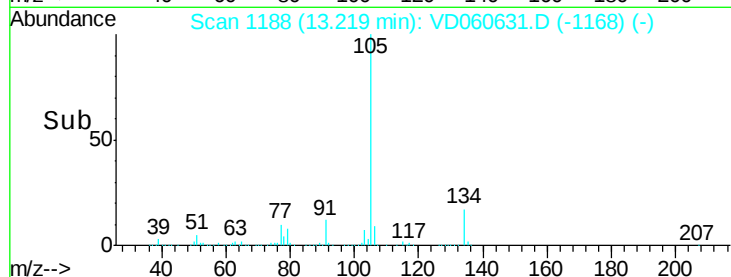
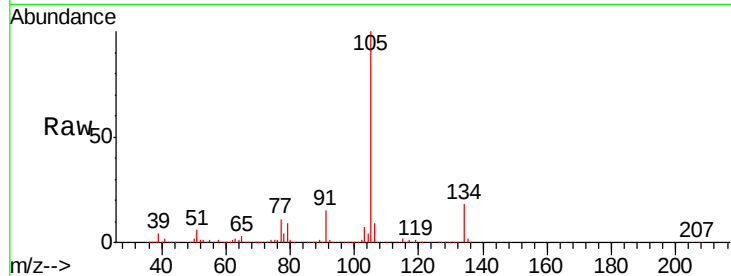
#85
 sec-Butylbenzene
 Concen: 47.069 ug/l
 RT: 13.22 min Scan# 1188
 Delta R.T. 0.00 min
 Lab File: VD060631.D
 Acq: 19 Dec 2018 10:30

Instrument :
 MSVOA_D
 ClientSampleID :
 VSTDCCC050

Tgt Ion:105 Resp: 3373685
 Ion Ratio Lower Upper
 105 100
 134 18.0 7.9 23.7

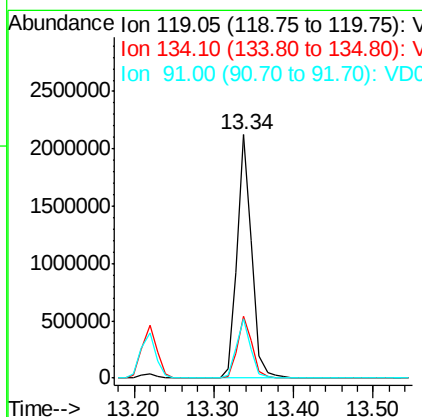
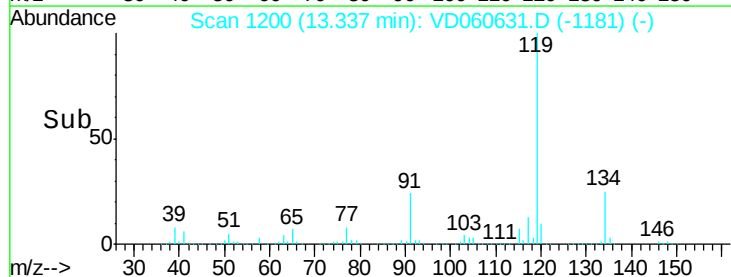
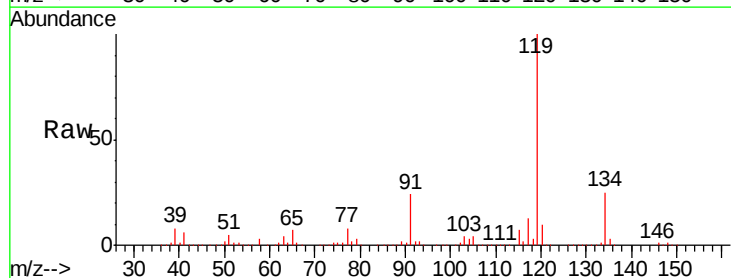
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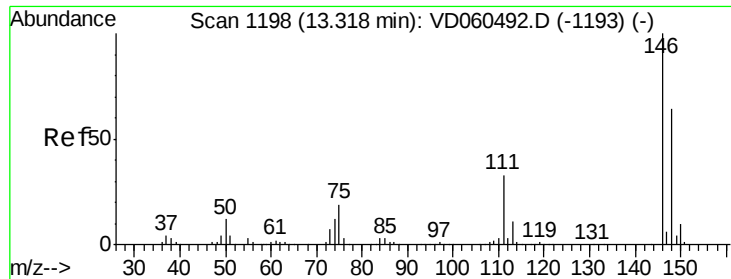
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#86
 p-Isopropyltoluene
 Concen: 47.948 ug/l
 RT: 13.34 min Scan# 1200
 Delta R.T. -0.01 min
 Lab File: VD060631.D
 Acq: 19 Dec 2018 10:30

Tgt Ion:119 Resp: 2724284
 Ion Ratio Lower Upper
 119 100
 134 25.3 12.5 37.5
 91 24.2 11.5 34.4





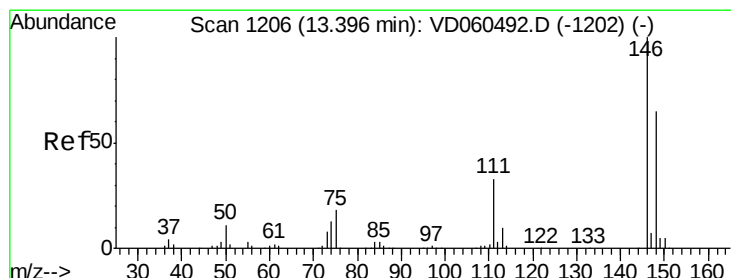
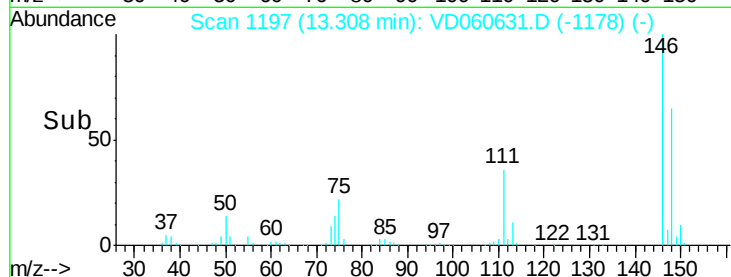
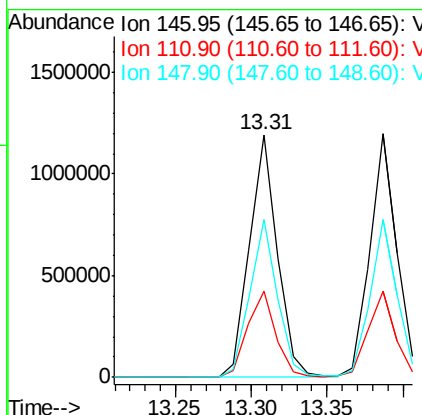
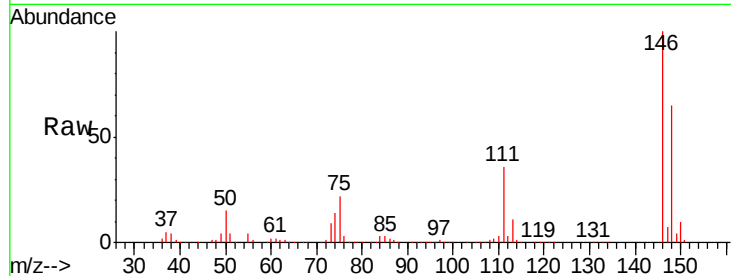
#87
 1,3-Dichlorobenzene
 Concen: 48.306 ug/l
 RT: 13.31 min Scan# 1197
 Delta R.T. -0.01 min
 Lab File: VD060631.D
 Acq: 19 Dec 2018 10:30

Instrument :
 MSVOA_D
 ClientSampleId :
 VSTDCCC050

Tgt Ion:146 Resp: 1543150
 Ion Ratio Lower Upper
 146 100
 111 35.5 16.5 49.5
 148 65.0 32.3 96.8

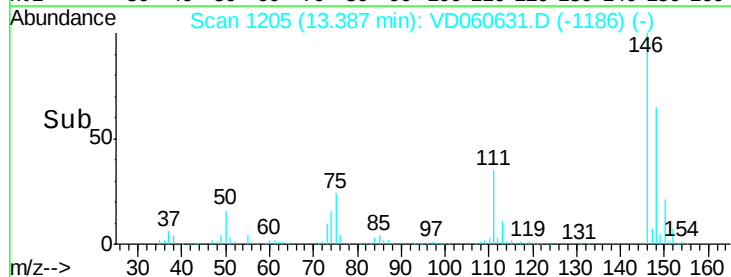
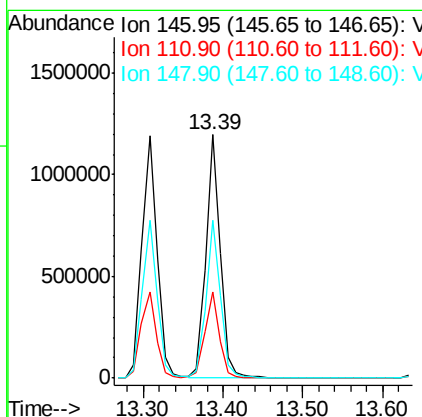
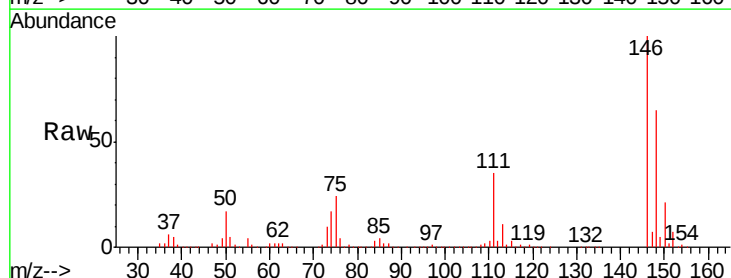
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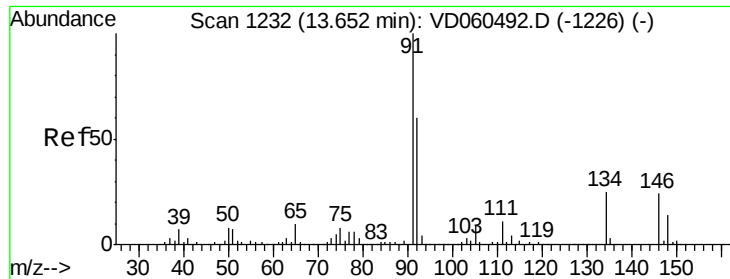
apatel
 12/20/2018 11:58:41 AM



#88
 1,4-Dichlorobenzene
 Concen: 48.204 ug/l
 RT: 13.39 min Scan# 1205
 Delta R.T. -0.01 min
 Lab File: VD060631.D
 Acq: 19 Dec 2018 10:30

Tgt Ion:146 Resp: 1510644
 Ion Ratio Lower Upper
 146 100
 111 35.3 16.4 49.1
 148 64.8 32.6 98.0





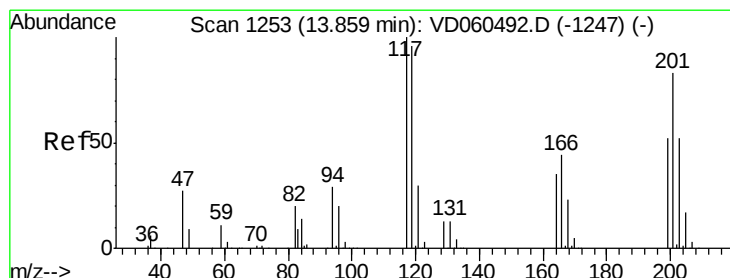
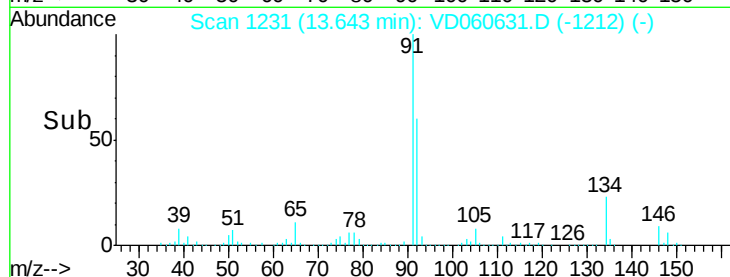
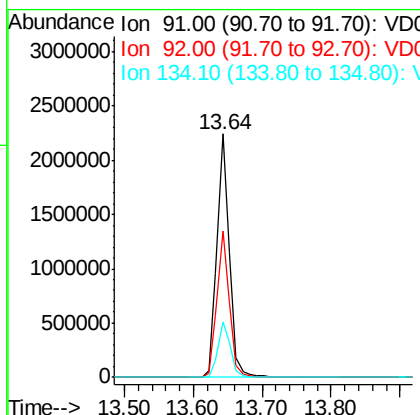
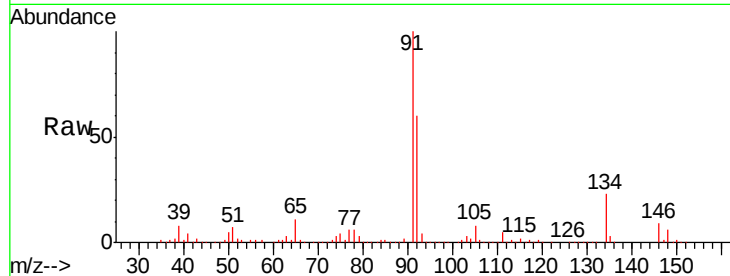
#89
n-Butylbenzene
Concen: 49.568 ug/l
RT: 13.64 min Scan# 1231
Delta R.T. -0.01 min
Lab File: VD060631.D
Acq: 19 Dec 2018 10:30

Instrument :
MSVOA_D
ClientSampleId :
VSTDCCC050

Tgt Ion: 91 Resp: 2794619
Ion Ratio Lower Upper
91 100
92 59.9 30.0 90.1
134 22.7 12.5 37.5

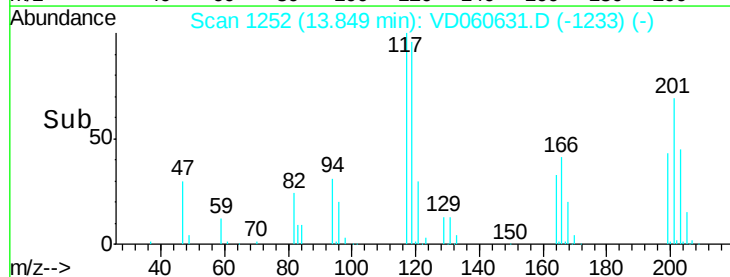
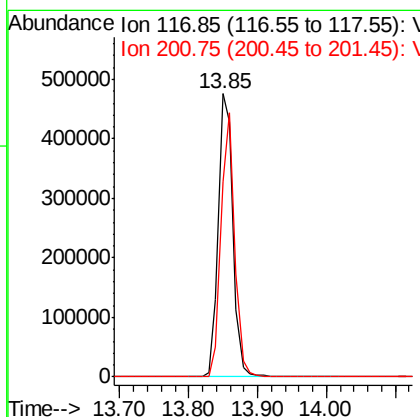
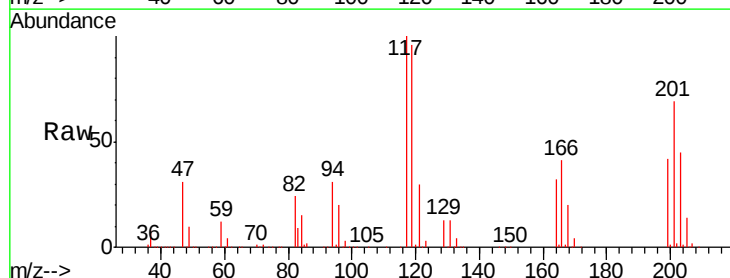
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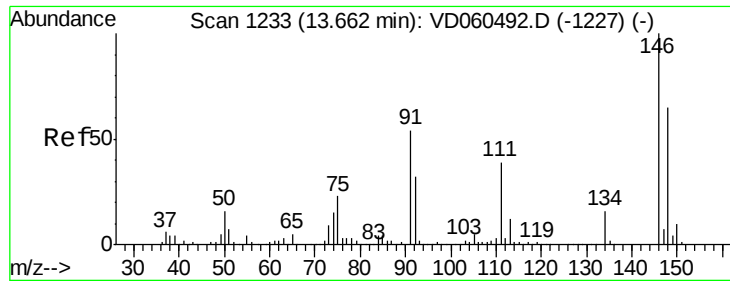
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#90
Hexachloroethane
Concen: 49.348 ug/l
RT: 13.85 min Scan# 1252
Delta R.T. -0.01 min
Lab File: VD060631.D
Acq: 19 Dec 2018 10:30

Tgt Ion: 117 Resp: 702999
Ion Ratio Lower Upper
117 100
201 68.8 41.3 123.9





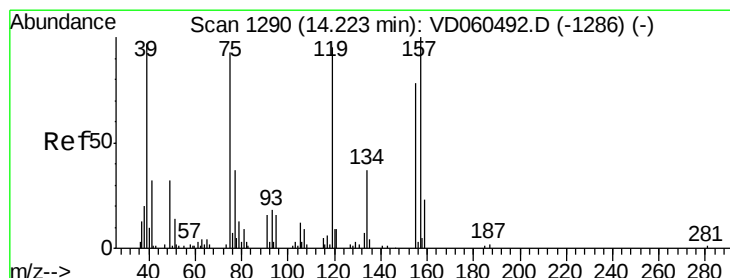
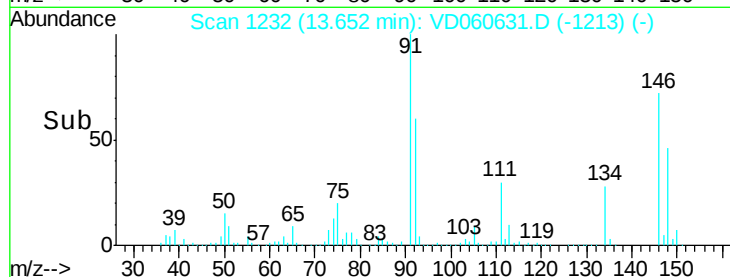
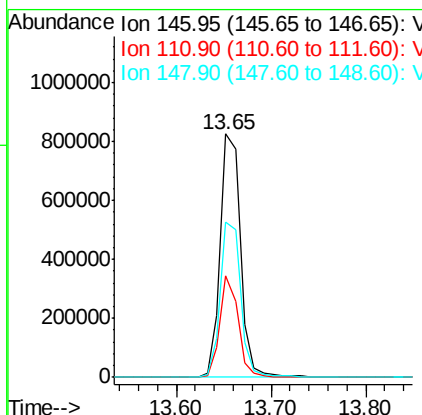
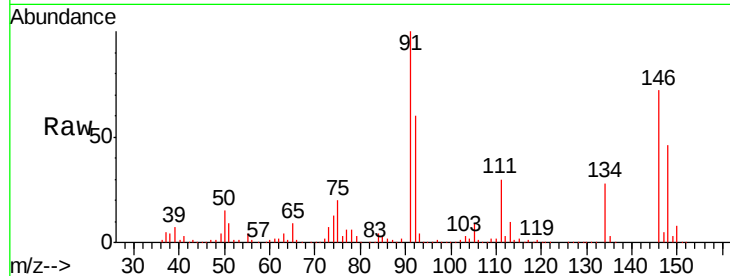
#91
 1,2-Dichlorobenzene
 Concen: 46.839 ug/l
 RT: 13.65 min Scan# 1232
 Delta R.T. -0.01 min
 Lab File: VD060631.D
 Acq: 19 Dec 2018 10:30

Instrument :
 MSVOA_D
 ClientSampleId :
 VSTDCCC050

Tgt Ion: 146 Resp: 1222801
 Ion Ratio Lower Upper
 146 100
 111 41.8 19.3 57.8
 148 63.6 32.3 96.8

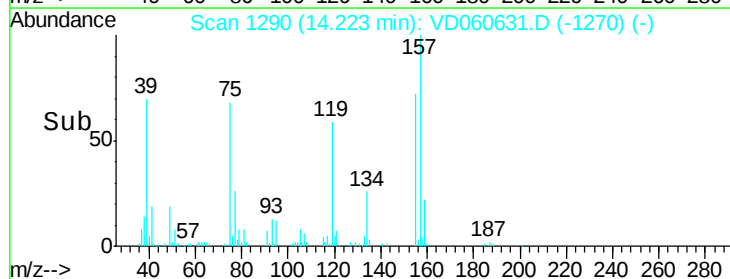
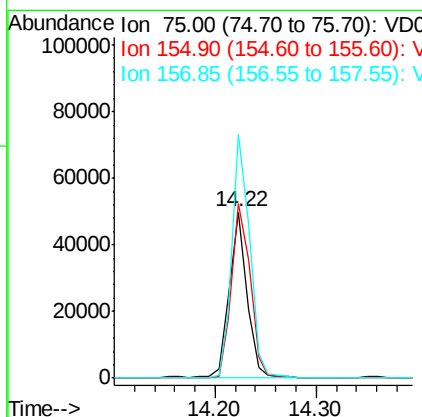
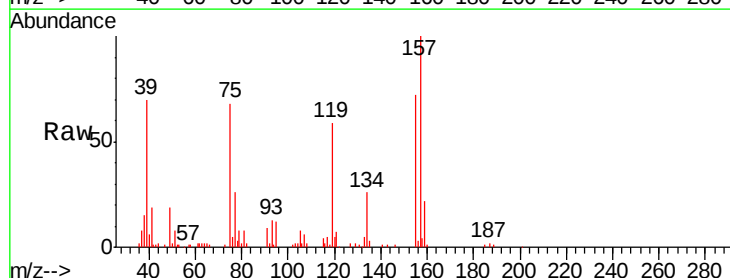
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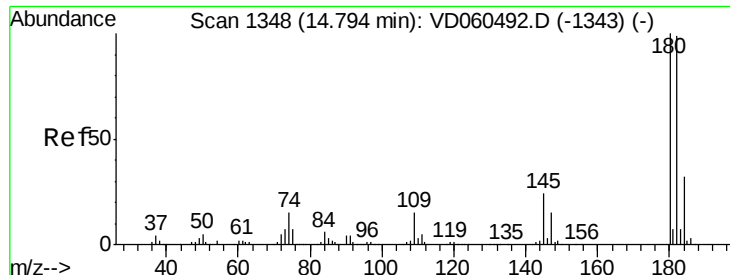
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#92
 1,2-Dibromo-3-Chloropropane
 Concen: 46.863 ug/l
 RT: 14.22 min Scan# 1290
 Delta R.T. 0.00 min
 Lab File: VD060631.D
 Acq: 19 Dec 2018 10:30

Tgt Ion: 75 Resp: 61018
 Ion Ratio Lower Upper
 75 100
 155 104.8 41.6 124.9
 157 146.6 53.6 160.8





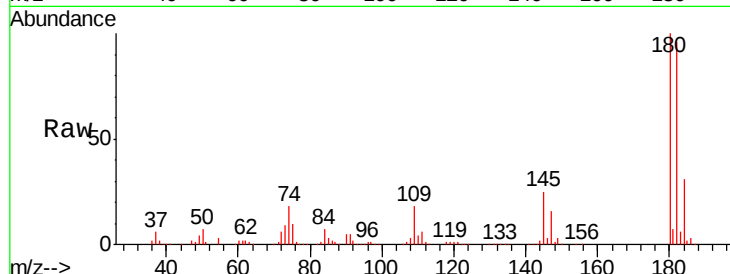
#93
 1,2,4-Trichlorobenzene
 Concen: 48.093 ug/l
 RT: 14.78 min Scan# 1347
 Delta R.T. -0.01 min
 Lab File: VD060631.D
 Acq: 19 Dec 2018 10:30

Instrument :
 MSVOA_D
 ClientSampleId :
 VSTDCCC050

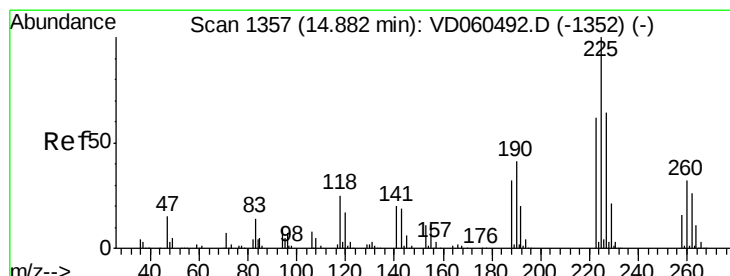
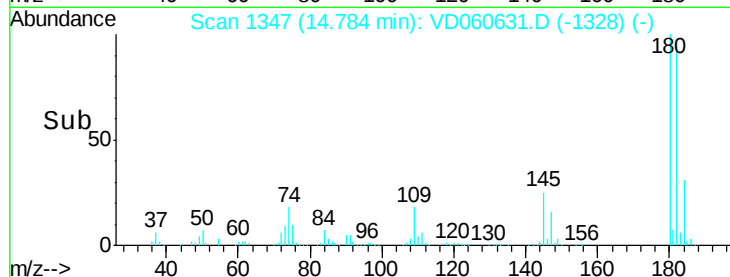
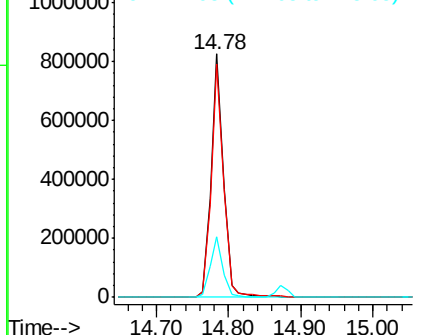
Tgt Ion	Ratio	Lower	Upper
180	100		
182	95.9	49.4	148.0
145	24.9	11.9	35.9

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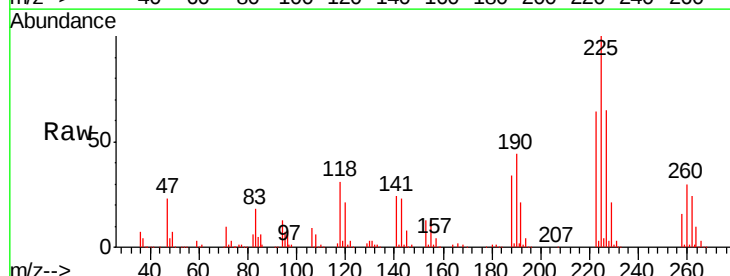


Abundance Ion 179.85 (179.55 to 180.55): V
 Ion 181.85 (181.55 to 182.55): V
 Ion 144.95 (144.65 to 145.65): V

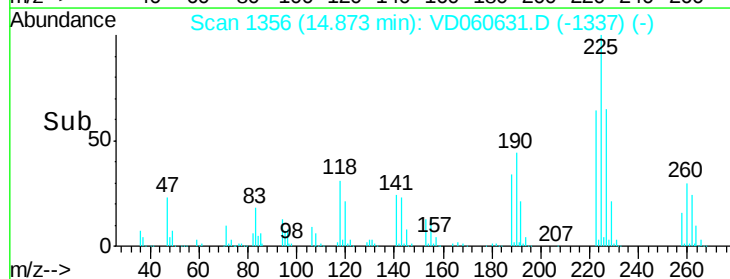
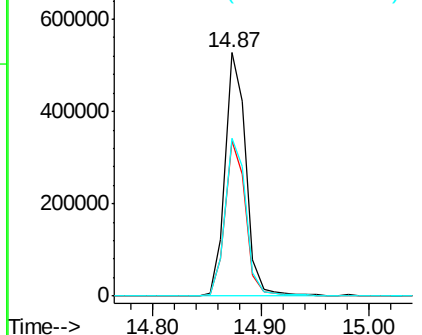


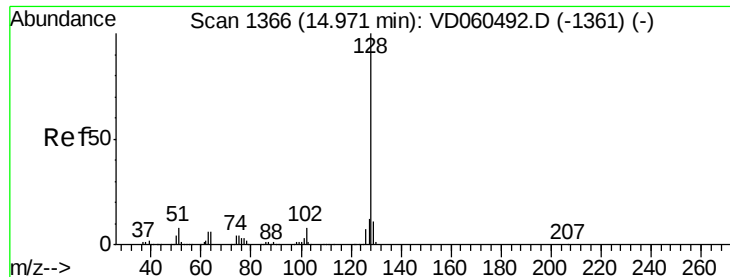
#94
 Hexachlorobutadiene
 Concen: 47.237 ug/l
 RT: 14.87 min Scan# 1356
 Delta R.T. -0.01 min
 Lab File: VD060631.D
 Acq: 19 Dec 2018 10:30

Tgt Ion	Ratio	Lower	Upper
225	100		
223	63.9	31.2	93.6
227	65.1	32.0	96.0



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





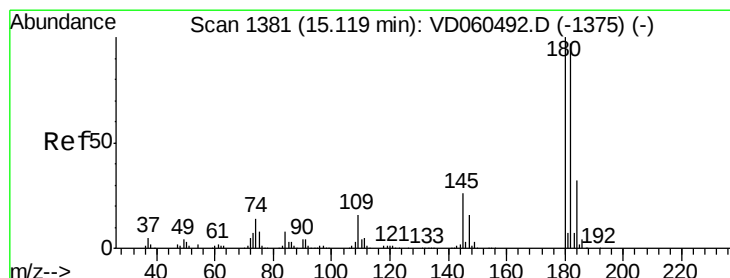
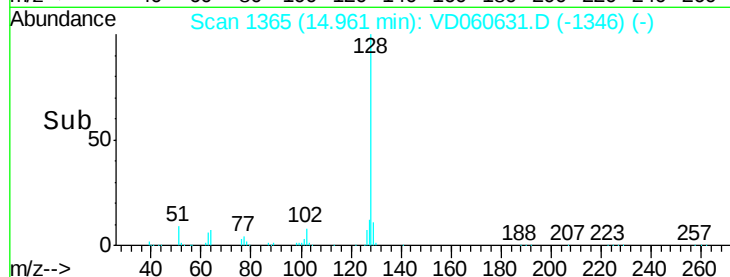
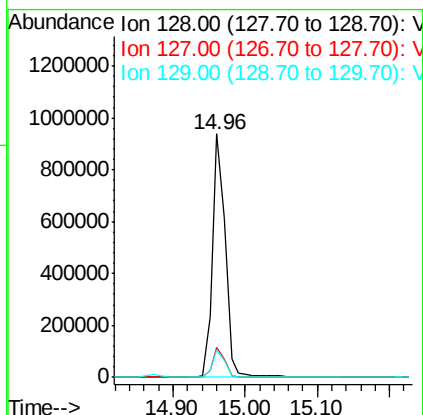
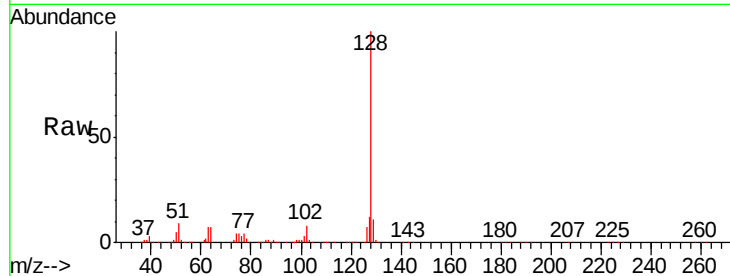
#95
Naphthalene
Concen: 47.182 ug/l
RT: 14.96 min Scan# 1365
Delta R.T. -0.01 min
Lab File: VD060631.D
Acq: 19 Dec 2018 10:30

Instrument :
MSVOA_D
ClientSampleId :
VSTDCCC050

Tgt Ion:128 Resp: 1145502
Ion Ratio Lower Upper
128 100
127 12.4 9.8 14.8
129 10.9 8.6 13.0

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#96
1,2,3-Trichlorobenzene
Concen: 47.844 ug/l
RT: 15.11 min Scan# 1380
Delta R.T. -0.01 min
Lab File: VD060631.D
Acq: 19 Dec 2018 10:30

Tgt Ion:180 Resp: 778003
Ion Ratio Lower Upper
180 100
182 95.2 48.5 145.5
145 27.5 12.9 38.7

