

Data Path : Z:\VOASRV\HPCHEM1\MSVOA D\DATA\VD100118\
 Data File : VD060101.D
 Acq On : 1 Oct 2018 17:21
 Operator : VA/AP
 Sample : VSTDIC020
 Misc : 5.00g/5ml/MSVOA D/SOIL
 ALS Vial : 5 Sample Multiplier: 1

Instrument :
 MSVOA_D
 ClientSampleId :
 VSTDIC020

Manual Integrations
 APPROVED

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 10/2/2018 12:31:12 PM

Quant Time: Oct 02 05:49:42 2018
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_D\METHOD\82D100118S.M
 Quant Title : SW846 8260
 QLast Update : Tue Oct 02 02:08:01 2018
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Pentafluorobenzene	6.38	168	1620933	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	7.42	114	2240673	50.00	ug/l	0.00
63) Chlorobenzene-d5	11.27	117	1851819	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.36	152	971898	50.00	ug/l	0.00

System Monitoring Compounds

33) 1,2-Dichloroethane-d4	6.76	65	254850	20.19	ug/l	0.00
Spiked Amount	50.000		Recovery	=	40.38%	
35) Dibromofluoromethane	6.29	113	335863	19.15	ug/l	0.00
Spiked Amount	50.000		Recovery	=	38.30%	
50) Toluene-d8	9.43	98	978736	19.95	ug/l	0.00
Spiked Amount	50.000		Recovery	=	39.90%	
62) 4-Bromofluorobenzene	12.42	95	370897	20.00	ug/l	0.00
Spiked Amount	50.000		Recovery	=	40.00%	

Target Compounds

					Qvalue
2) Dichlorodifluoromethane	1.57	85	279885m	16.701	ug/l
3) Chloromethane	1.74	50	269793	17.989	ug/l
4) Vinyl Chloride	1.83	62	214962	17.855	ug/l
5) Bromomethane	2.11	94	19450	13.922	ug/l
6) Chloroethane	2.21	64	46685	17.441	ug/l
7) Trichlorofluoromethane	2.47	101	248469	18.759	ug/l
8) Diethyl Ether	2.80	74	55156	19.565	ug/l
9) 1,1,2-Trichlorotrifluoroet	3.06	101	166551	20.022	ug/l
10) Methyl Iodide	3.21	142	167728	18.896	ug/l
11) Tert butyl alcohol	3.95	59	84887	84.667	ug/l
12) 1,1-Dichloroethene	3.04	96	128758	19.548	ug/l
13) Acrolein	2.95	56	52624	84.959	ug/l
14) Allyl chloride	3.50	41	258996	18.691	ug/l
15) Acrylonitrile	4.05	53	376273	99.017	ug/l
16) Acetone	3.14	43	222614	92.928	ug/l
17) Carbon Disulfide	3.27	76	424501	18.746	ug/l
18) Methyl Acetate	3.53	43	91946	18.638	ug/l
19) Methyl tert-butyl Ether	4.09	73	586113	19.281	ug/l
20) Methylene Chloride	3.69	84	398796	19.521	ug/l
21) trans-1,2-Dichloroethene	4.06	96	338501	19.556	ug/l
22) Diisopropyl ether	4.83	45	1222119	19.425	ug/l
23) Vinyl Acetate	4.77	43	3557394	99.636	ug/l
24) 1,1-Dichloroethane	4.72	63	557491	19.627	ug/l
25) 2-Butanone	5.60	43	571402	88.413	ug/l
26) 2,2-Dichloropropane	5.56	77	411310	18.711	ug/l
27) cis-1,2-Dichloroethene	5.57	96	350874	19.394	ug/l
28) Bromochloromethane	5.89	49	271965	19.700	ug/l
29) Tetrahydrofuran	5.93	42	329238	94.991	ug/l
30) Chloroform	6.07	83	553508	19.296	ug/l
31) Cyclohexane	6.33	56	505134	18.370	ug/l
32) 1,1,1-Trichloroethane	6.26	97	454495	19.168	ug/l
36) 1,1-Dichloropropene	6.49	75	419692	19.144	ug/l
37) Ethyl Acetate	5.67	43	287526	18.994	ug/l
38) Carbon Tetrachloride	6.47	117	371979	18.272	ug/l

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Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
39) Methylcyclohexane	8.02	83	477151	19.183	ug/l	98
40) Benzene	6.77	78	1131918	20.232	ug/l	100
41) Methacrylonitrile	5.91	41	169311m	21.021	ug/l	
42) 1,2-Dichloroethane	6.86	62	315345	18.793	ug/l	100
43) Isopropyl Acetate	8.33	43	370078	18.450	ug/l #	99
44) Trichloroethene	7.71	130	336850	19.385	ug/l	98
45) 1,2-Dichloropropane	8.08	63	284856	19.021	ug/l	97
46) Dibromomethane	8.19	93	191264	19.649	ug/l	94
47) Bromodichloromethane	8.47	83	401571	19.084	ug/l	98
48) Methyl methacrylate	8.22	41	210705	18.843	ug/l	97
49) 1,4-Dioxane	8.21	88	42888	385.411	ug/l	95
51) 4-Methyl-2-Pentanone	9.33	43	1206690	87.694	ug/l	99
52) Toluene	9.53	92	731383	20.255	ug/l	99
53) t-1,3-Dichloropropene	9.90	75	364395	18.543	ug/l	99
54) cis-1,3-Dichloropropene	9.08	75	456456	19.467	ug/l	97
55) 1,1,2-Trichloroethane	10.16	97	230849	18.433	ug/l	99
56) Ethyl methacrylate	10.01	69	266810	19.327	ug/l	98
57) 1,3-Dichloropropane	10.37	76	356195	19.312	ug/l	100
58) 2-Chloroethyl Vinyl ether	8.90	63	751345	110.371	ug/l	96
59) 2-Hexanone	10.48	43	854159	86.022	ug/l	99
60) Dibromochloromethane	10.62	129	288851	19.117	ug/l	98
61) 1,2-Dibromoethane	10.74	107	249728	19.319	ug/l	99
64) Tetrachloroethene	10.23	164	316858	19.645	ug/l	96
65) Chlorobenzene	11.30	112	783442	19.896	ug/l	100
66) 1,1,1,2-Tetrachloroethane	11.40	131	276179	20.847	ug/l	100
67) Ethyl Benzene	11.41	91	1354333	21.420	ug/l	98
68) m/p-Xylenes	11.55	106	1000476	42.964	ug/l	96
69) o-Xylene	11.92	106	479349	20.641	ug/l	95
70) Styrene	11.94	104	820908	21.052	ug/l	99
71) Bromoform	12.11	173	206486	18.210	ug/l #	97
73) Isopropylbenzene	12.27	105	1286995	20.379	ug/l	99
74) N-amyl acetate	12.12	43	469901	18.905	ug/l	97
75) 1,1,2,2-Tetrachloroethane	12.55	83	280127	19.569	ug/l	99
76) 1,2,3-Trichloropropane	12.58	75	287354	19.672	ug/l	98
77) Bromobenzene	12.53	156	366335	20.020	ug/l	84
78) n-propylbenzene	12.63	91	1611759	20.358	ug/l	97
79) 2-Chlorotoluene	12.69	91	891787	19.992	ug/l	97
80) 1,3,5-Trimethylbenzene	12.78	105	1026617	21.219	ug/l	99
81) trans-1,4-Dichloro-2-buten	12.33	75	75877	17.238	ug/l	98
82) 4-Chlorotoluene	12.80	91	1050397	21.416	ug/l	96
83) tert-Butylbenzene	13.04	119	1162044	20.688	ug/l	98
84) 1,2,4-Trimethylbenzene	13.08	105	1085807	20.966	ug/l	98
85) sec-Butylbenzene	13.21	105	1409916	21.271	ug/l	99
86) p-Isopropyltoluene	13.33	119	1112785	20.743	ug/l	99
87) 1,3-Dichlorobenzene	13.30	146	652240	20.537	ug/l	99
88) 1,4-Dichlorobenzene	13.38	146	639664	19.873	ug/l	99
89) n-Butylbenzene	13.64	91	1169299	22.376	ug/l	98
90) Hexachloroethane	13.85	117	246062	18.549	ug/l	67
91) 1,2-Dichlorobenzene	13.66	146	579576	22.112	ug/l	93
92) 1,2-Dibromo-3-Chloropropan	14.22	75	36473	16.680	ug/l	82

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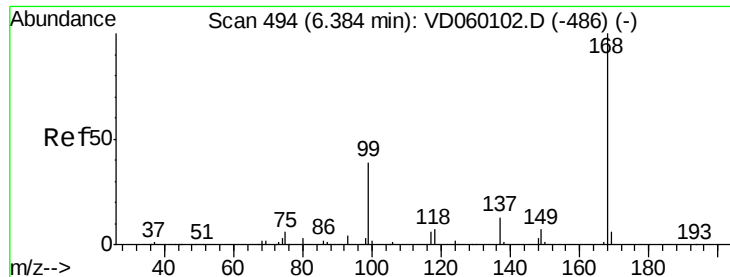
Manual Integrations
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Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
93) 1,2,4-Trichlorobenzene	14.78	180	467215	20.643	ug/l	99
94) Hexachlorobutadiene	14.88	225	308817	20.594	ug/l	97
95) Naphthalene	14.95	128	685688	19.646	ug/l	99
96) 1,2,3-Trichlorobenzene	15.10	180	408925	20.629	ug/l	99

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



#1

Pentafluorobenzene

Concen: 50.000 ug/l

RT: 6.38 min Scan# 494

Delta R.T. -0.00 min

Lab File: VD060101.D

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Instrument :

MSVOA_D

ClientSampleId :

VSTDIC020

Tot Ion:168 Resp: 1620933

Ion Ratio Lower Upper

168 100

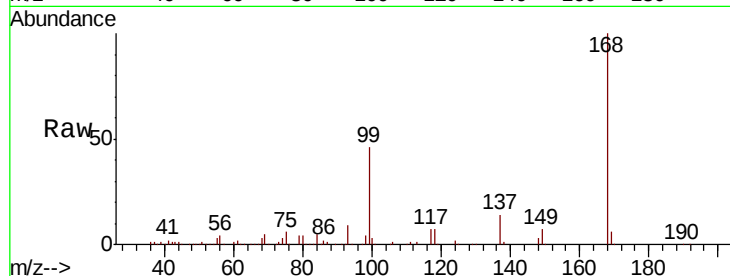
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Manual Integrations

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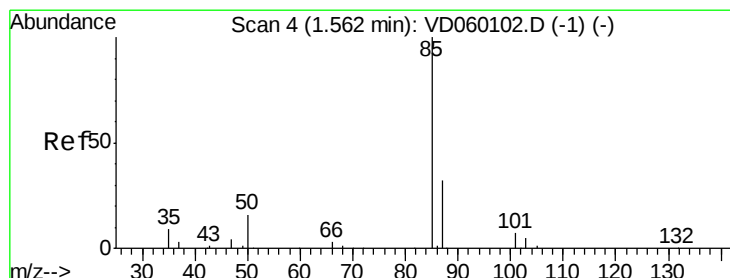
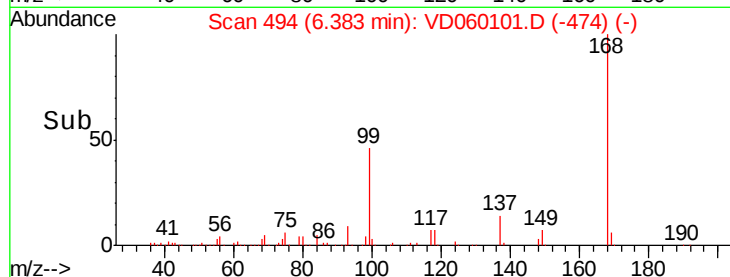
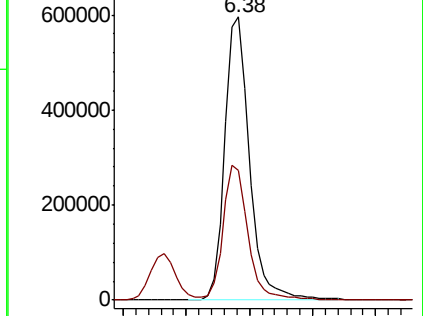
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Abundance Ion 167.90 (167.60 to 168.60): V

Ion 98.95 (98.65 to 99.65): VDC



#2

Dichlorodifluoromethane

Concen: 16.701 ug/l m

RT: 1.57 min Scan# 5

Delta R.T. 0.01 min

Lab File: VD060101.D

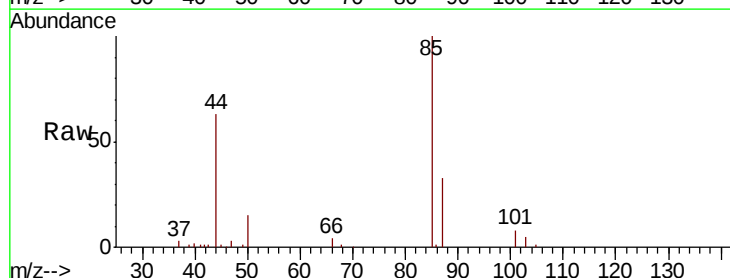
Acq: 1 Oct 2018 17:21

Tgt Ion: 85 Resp: 279885

Ion Ratio Lower Upper

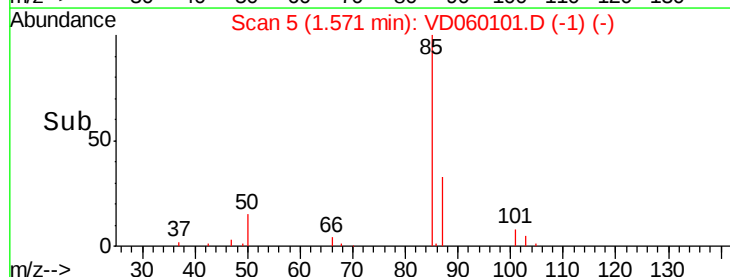
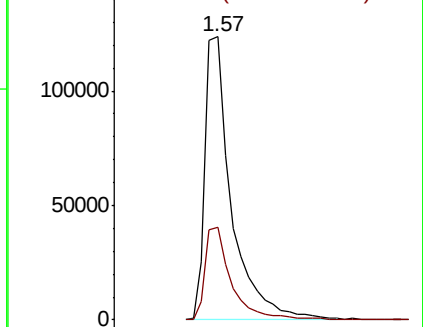
85 100

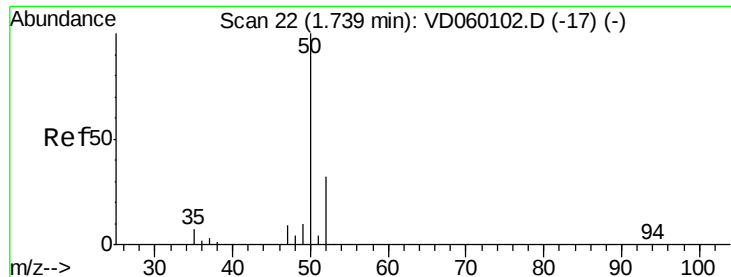
87 32.8 15.9 47.6



Abundance Ion 84.95 (84.65 to 85.65): VDC

Ion 86.90 (86.60 to 87.60): VDC





#3

Chloromethane

Concen: 17.989 ug/l

RT: 1.74 min Scan# 22

Delta R.T. -0.00 min

Lab File: VD060101.D

Acq: 1 Oct 2018 17:21

Instrument :

MSVOA_D

ClientSampleID :

VSTDIC020

Tot Ion: 50 Resp: 269793

Ion Ratio Lower Upper

50 100

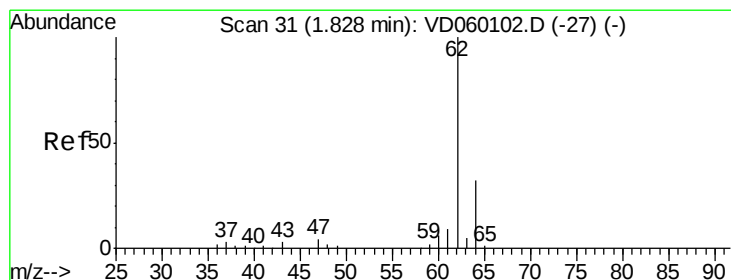
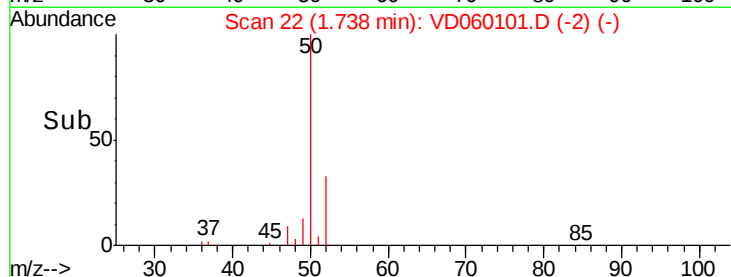
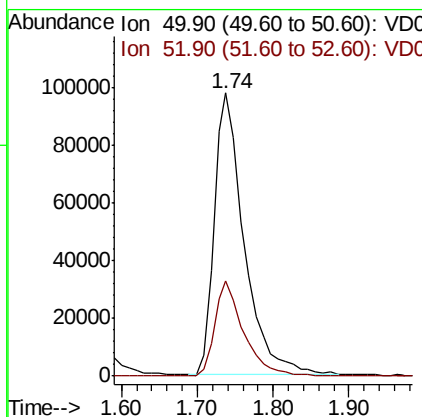
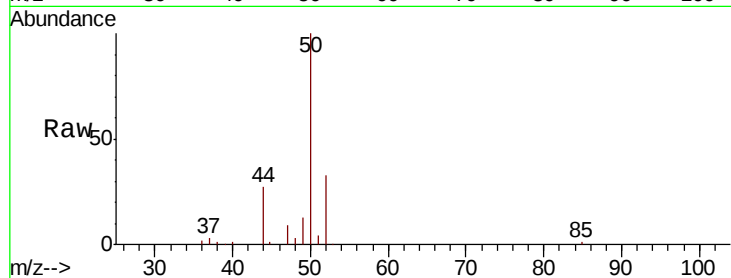
52 33.5 25.3 37.9

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#4

Vinyl Chloride

Concen: 17.855 ug/l

RT: 1.83 min Scan# 31

Delta R.T. -0.00 min

Lab File: VD060101.D

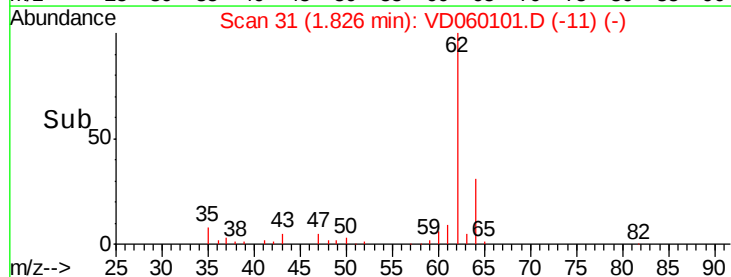
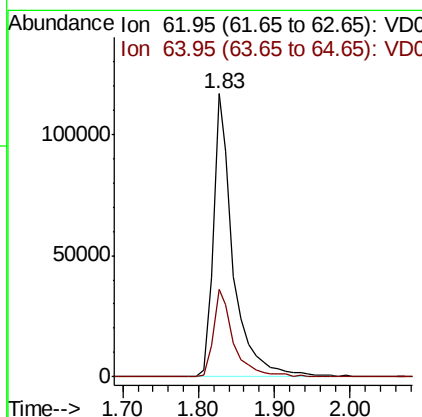
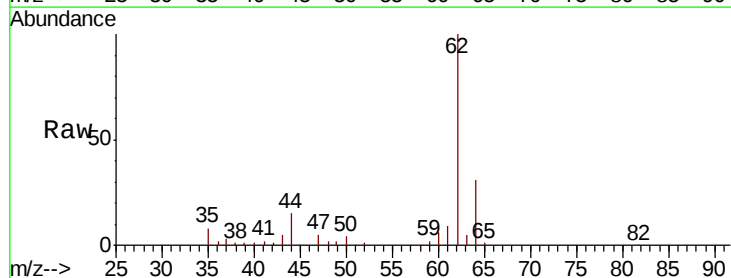
Acq: 1 Oct 2018 17:21

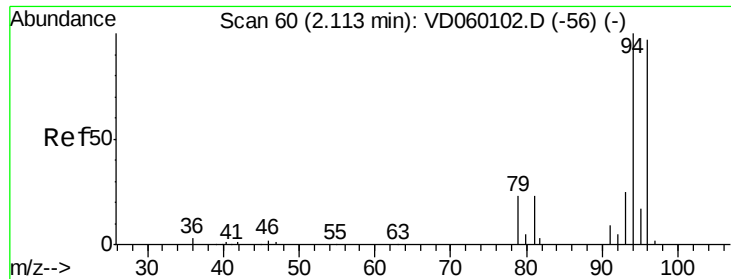
Tgt Ion: 62 Resp: 214962

Ion Ratio Lower Upper

62 100

64 30.9 25.2 37.8





#5

Bromomethane

Concen: 13.922 ug/l

RT: 2.11 min Scan# 60

Delta R.T. -0.00 min

Lab File: VD060101.D

Acq: 1 Oct 2018 17:21

Instrument :

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Tot Ion: 94 Resp: 19450

Ion Ratio Lower Upper

94 100

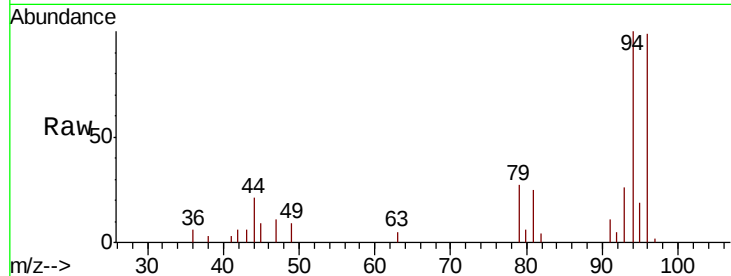
96 98.7 77.4 116.2

Manual Integrations

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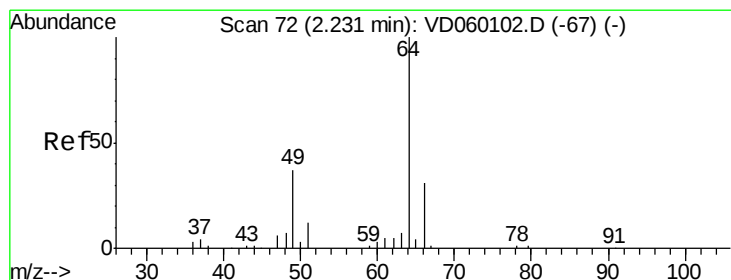
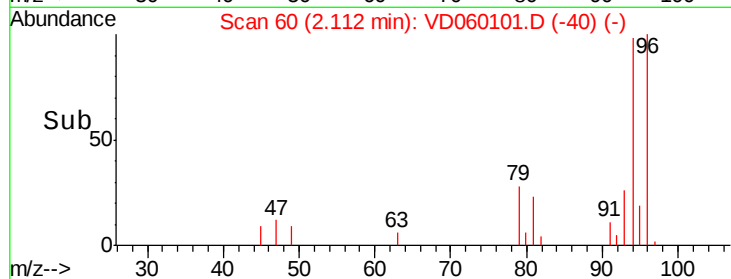
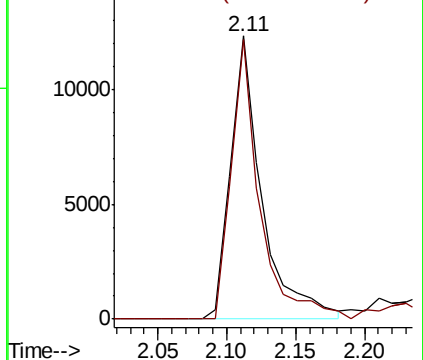
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Abundance Ion 93.90 (93.60 to 94.60): VDC

Ion 95.90 (95.60 to 96.60): VDC



#6

Chloroethane

Concen: 17.441 ug/l

RT: 2.21 min Scan# 70

Delta R.T. -0.02 min

Lab File: VD060101.D

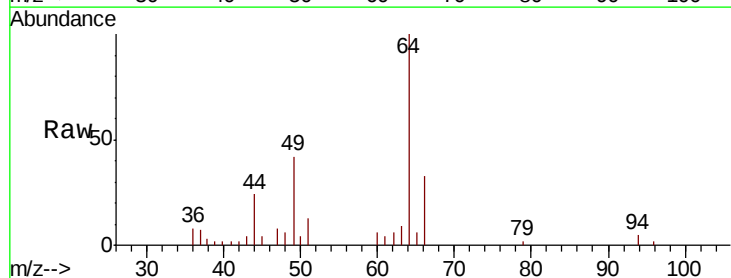
Acq: 1 Oct 2018 17:21

Tgt Ion: 64 Resp: 46685

Ion Ratio Lower Upper

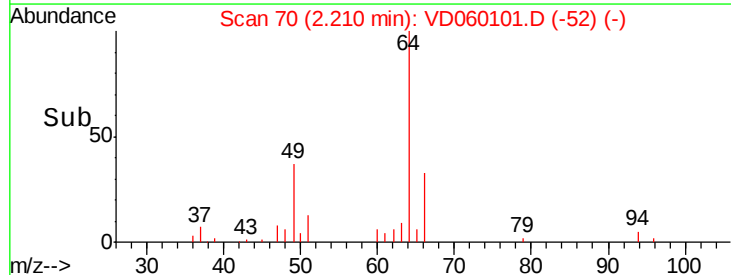
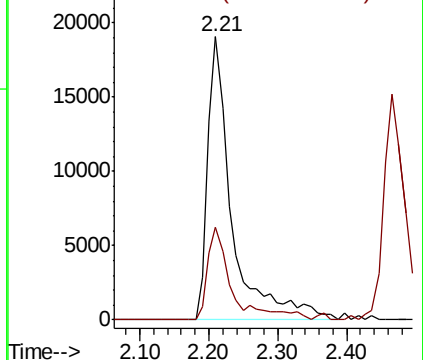
64 100

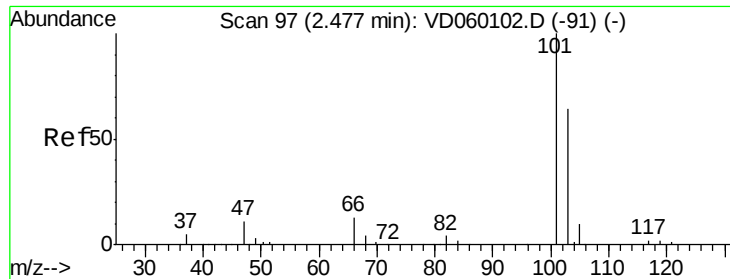
66 32.5 24.6 37.0



Abundance Ion 63.95 (63.65 to 64.65): VDC

Ion 65.90 (65.60 to 66.60): VDC





#7

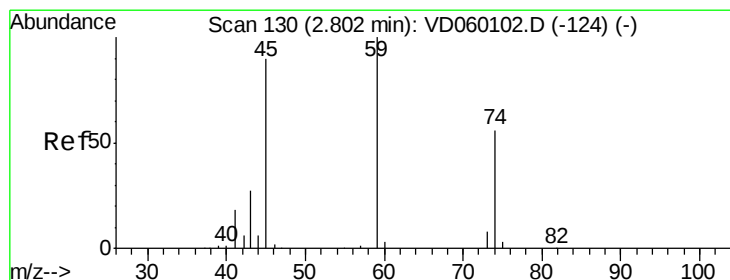
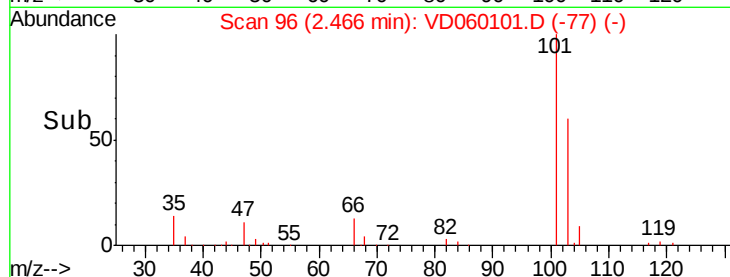
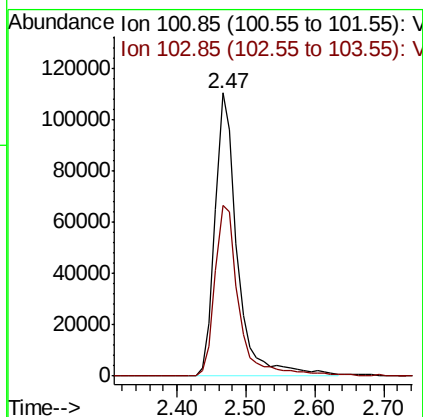
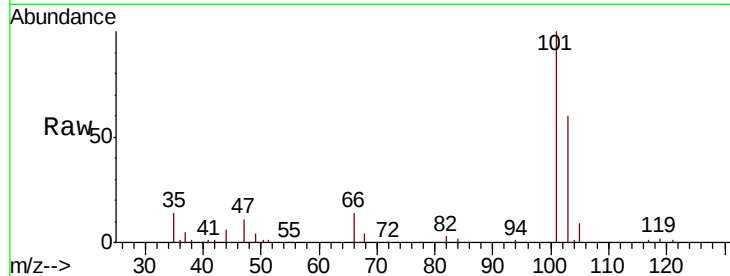
Trichlorofluoromethane
Concen: 18.759 ug/l
RT: 2.47 min Scan# 96
Delta R.T. -0.01 min
Lab File: VD060101.D
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Tot Ion	Ratio	Lower	Upper
101	100		
103	60.5	51.5	77.3

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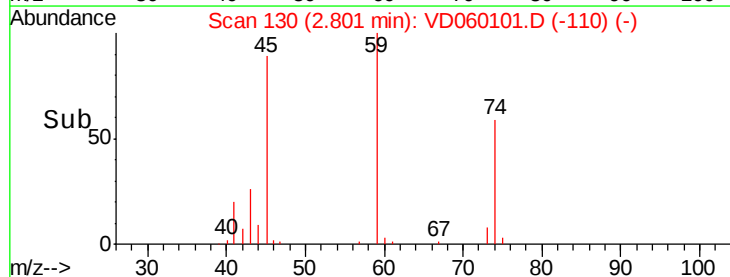
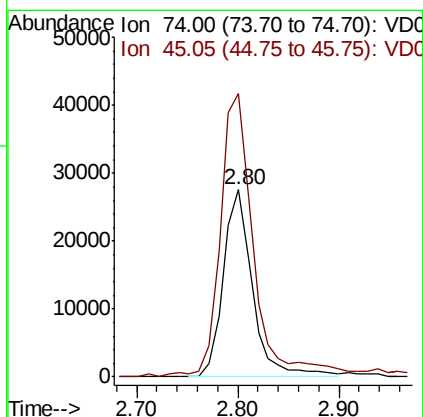
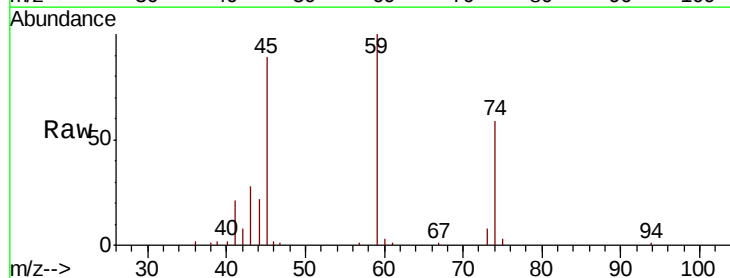
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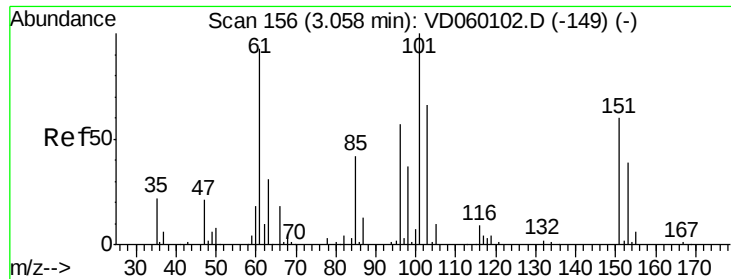


#8

Diethyl Ether
Concen: 19.565 ug/l
RT: 2.80 min Scan# 130
Delta R.T. -0.00 min
Lab File: VD060101.D
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Tgt Ion	Ratio	Lower	Upper
74	100		
45	151.3	80.3	241.0





#9

1,1,2-Trichlorotrifluoroethane

Concen: 20.022 ug/l

RT: 3.06 min Scan# 156

Delta R.T. -0.00 min

Lab File: VD060101.D

Acq: 1 Oct 2018 17:21

Instrument :

MSVOA_D

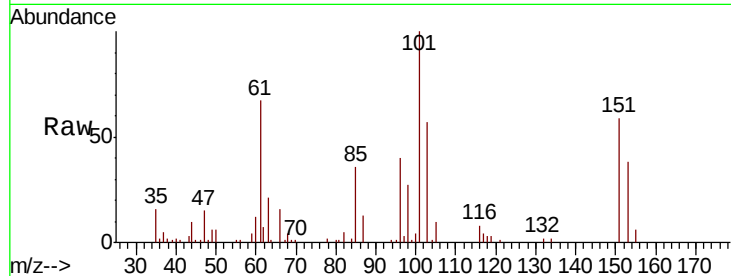
ClientSampleId :

VSTDIC020

Tot Ion:	101	Resp:	166551
Ion Ratio	Lower	Upper	
101	100		
85	36.4	33.4	50.0
151	59.4	48.0	72.0

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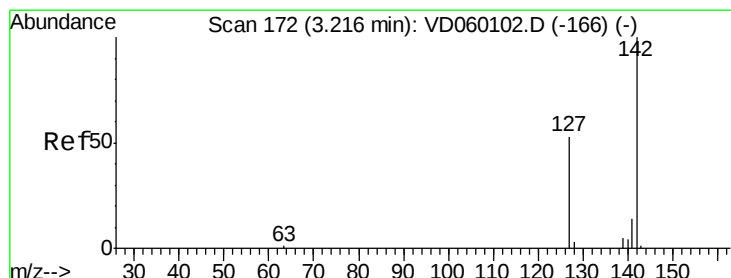
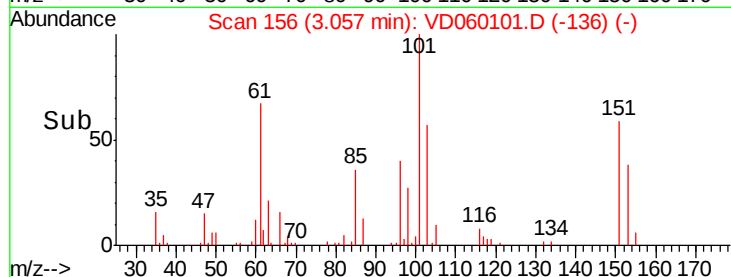
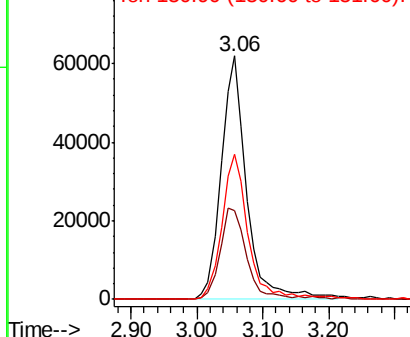


Abundance

Ion 100.85 (100.55 to 101.55): V

Ion 84.95 (84.65 to 85.65): V

Ion 150.90 (150.60 to 151.60): V



#10

Methyl Iodide

Concen: 18.896 ug/l

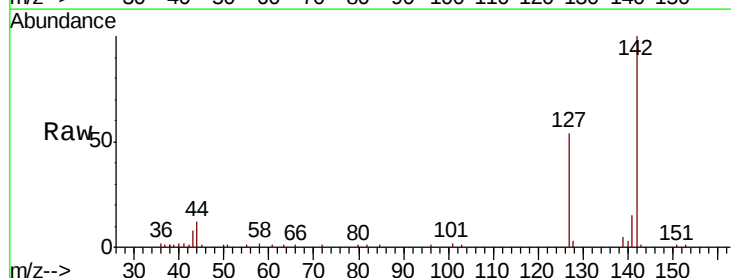
RT: 3.21 min Scan# 172

Delta R.T. -0.00 min

Lab File: VD060101.D

Acq: 1 Oct 2018 17:21

Tgt Ion:	142	Resp:	167728
Ion Ratio	Lower	Upper	
142	100		
127	54.2	42.0	63.0
141	14.6	11.4	17.0

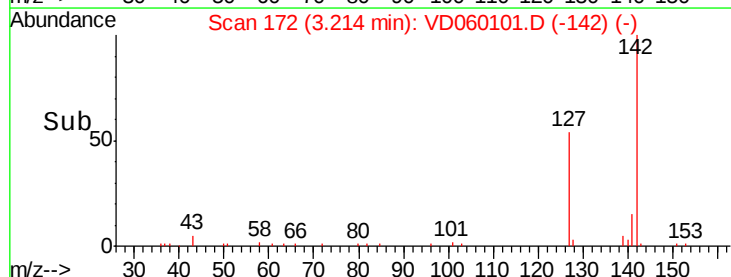
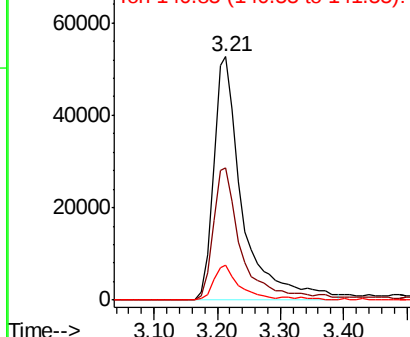


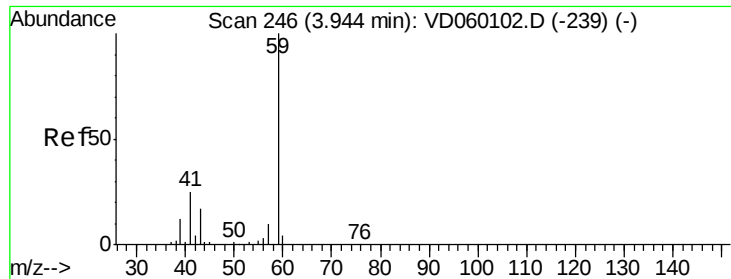
Abundance

Ion 141.85 (141.55 to 142.55): V

Ion 126.80 (126.50 to 127.50): V

Ion 140.85 (140.55 to 141.55): V





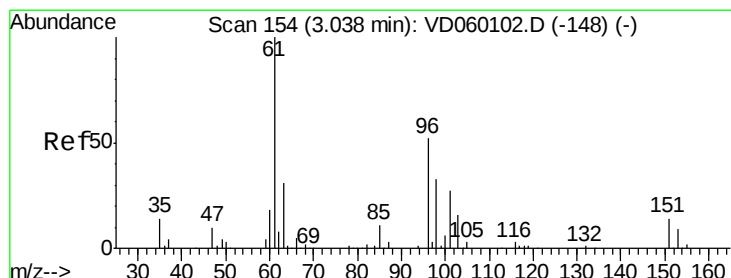
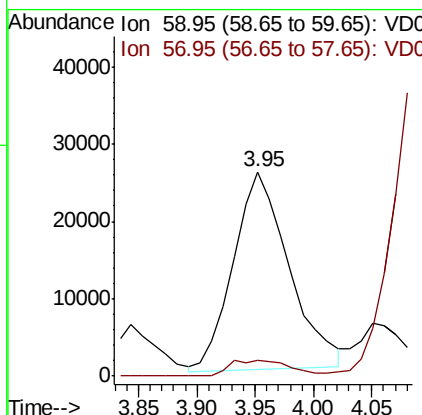
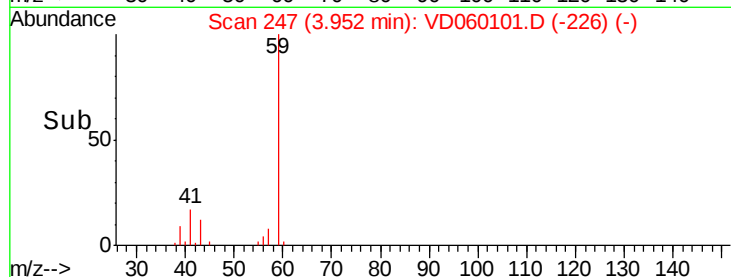
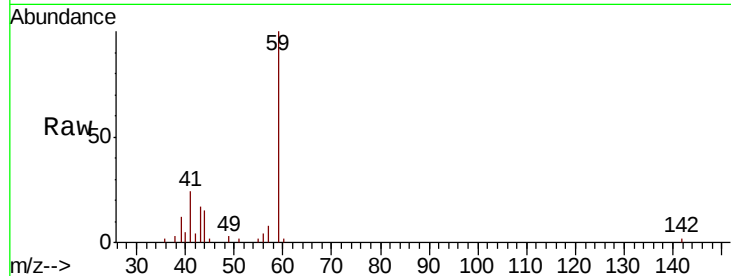
#11
Tert butyl alcohol
Concen: 84.667 ug/l
RT: 3.95 min Scan# 247
Delta R.T. 0.01 min
Lab File: VD060101.D
Acq: 1 Oct 2018 17:21

Instrument :
MSVOA_D
ClientSampleId :
VSTDIC020

Tot Ion: 59 Resp: 84887
Ion Ratio Lower Upper
59 100
57 7.8 7.8 11.6

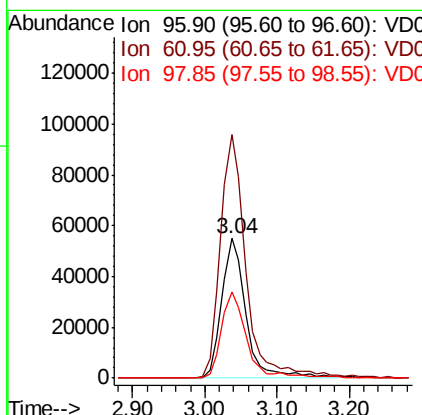
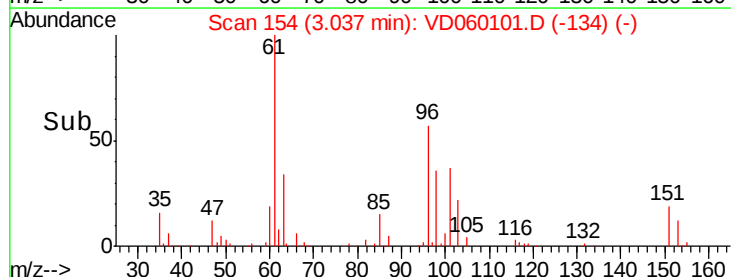
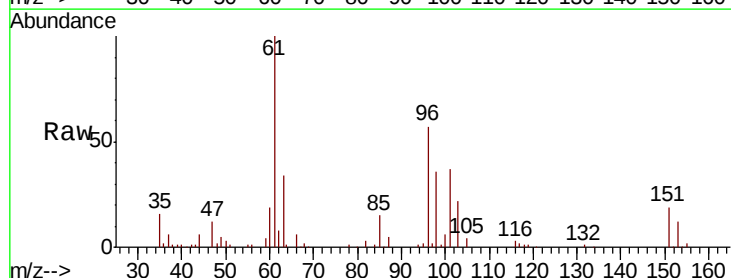
Manual Integrations
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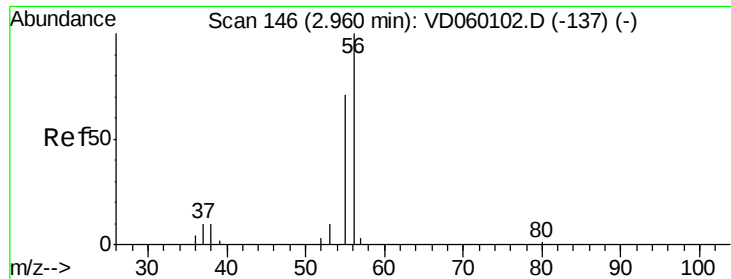
apatel
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#12
1,1-Dichloroethene
Concen: 19.548 ug/l
RT: 3.04 min Scan# 154
Delta R.T. -0.00 min
Lab File: VD060101.D
Acq: 1 Oct 2018 17:21

Tgt Ion: 96 Resp: 128758
Ion Ratio Lower Upper
96 100
61 174.4 153.0 229.4
98 62.1 51.1 76.7





#13

Acrolein

Concen: 84.959 ug/l

RT: 2.95 min Scan# 145

Delta R.T. -0.01 min

Lab File: VD060101.D

Acq: 1 Oct 2018 17:21

Instrument :

MSVOA_D

ClientSampleId :

VSTDIC020

Tot Ion: 56 Resp: 52624

Ion Ratio Lower Upper

56 100

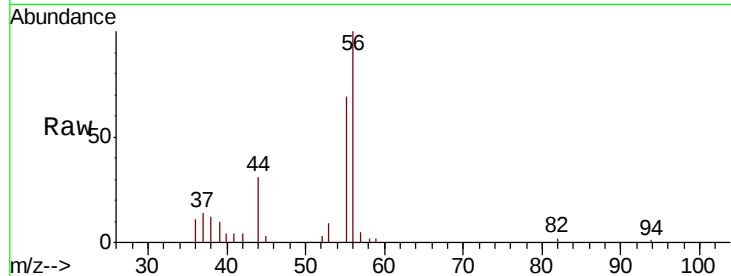
55 69.3 57.4 86.2

Manual Integrations

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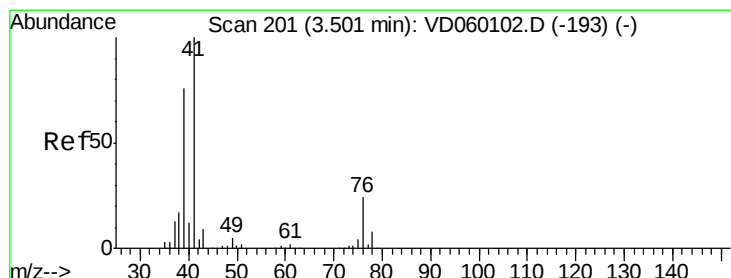
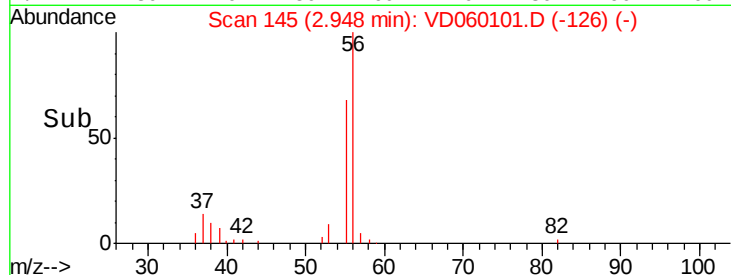
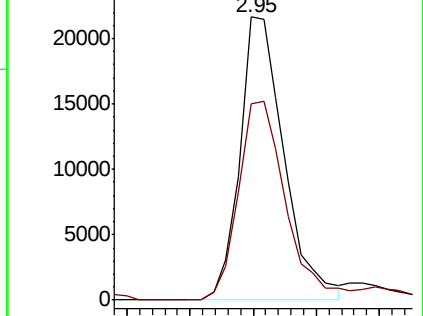
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Abundance Ion 55.95 (55.65 to 56.65): VDC

Ion 55.00 (54.70 to 55.70): VDC



#14

Allyl chloride

Concen: 18.691 ug/l

RT: 3.50 min Scan# 201

Delta R.T. -0.00 min

Lab File: VD060101.D

Acq: 1 Oct 2018 17:21

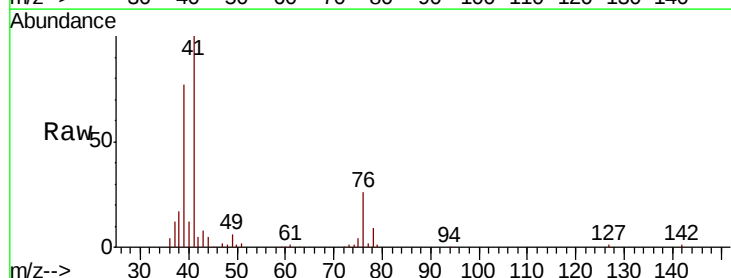
Tgt Ion: 41 Resp: 258996

Ion Ratio Lower Upper

41 100

39 77.1 60.6 90.8

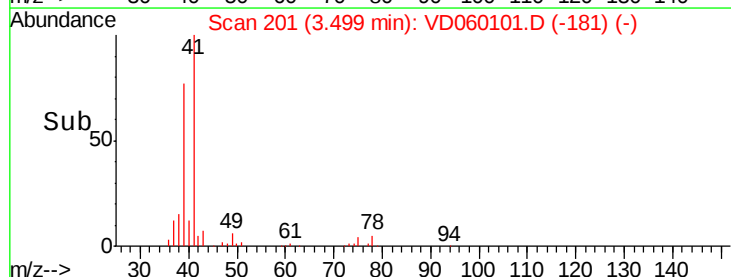
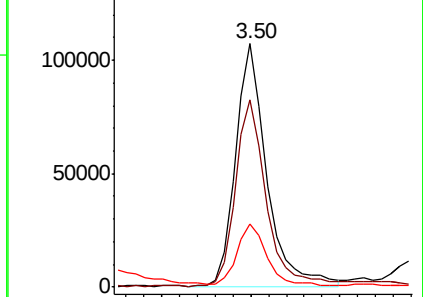
76 25.8 21.3 31.9

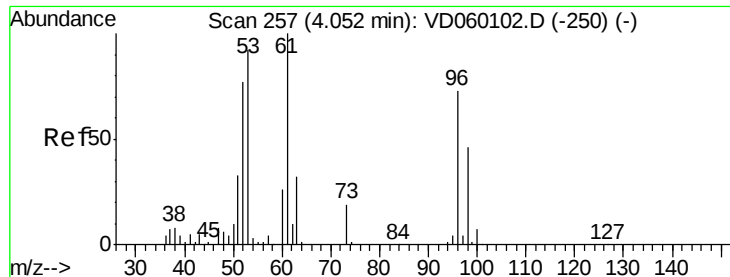


Abundance Ion 41.05 (40.75 to 41.75): VDC

Ion 38.95 (38.65 to 39.65): VDC

Ion 75.95 (75.65 to 76.65): VDC





#15

Acrylonitrile

Concen: 99.017 ug/l

RT: 4.05 min Scan# 257

Delta R.T. -0.00 min

Lab File: VD060101.D

Acq: 1 Oct 2018 17:21

Instrument :

MSVOA_D

ClientSampleId :

VSTDIC020

Tot Ion: 53 Resp: 376273

Ion Ratio Lower Upper

53 100

52 85.3 67.5 101.3

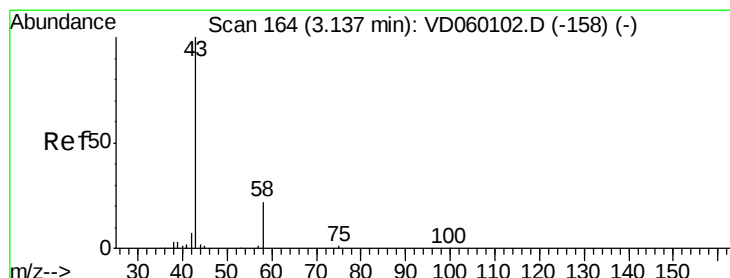
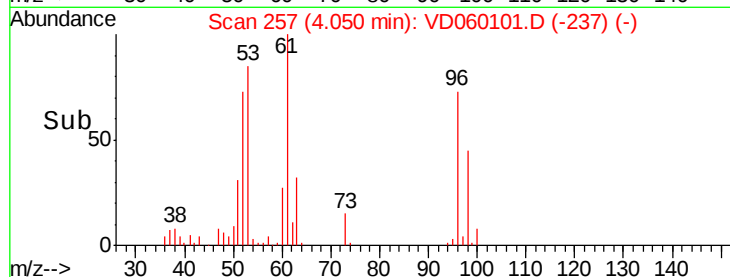
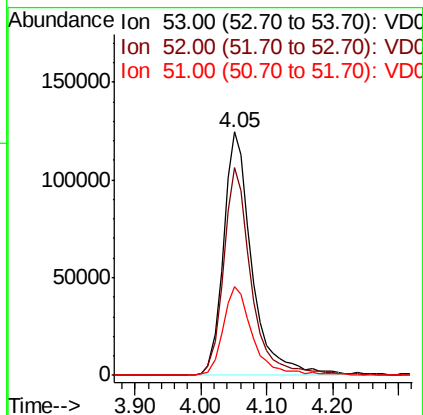
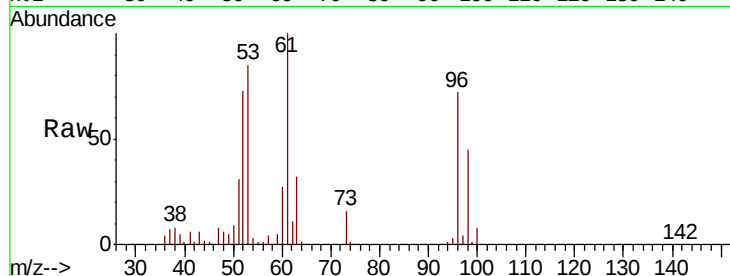
51 36.7 29.3 43.9

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#16

Acetone

Concen: 92.928 ug/l

RT: 3.14 min Scan# 164

Delta R.T. -0.00 min

Lab File: VD060101.D

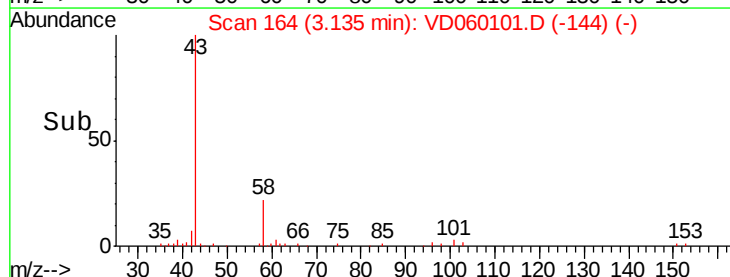
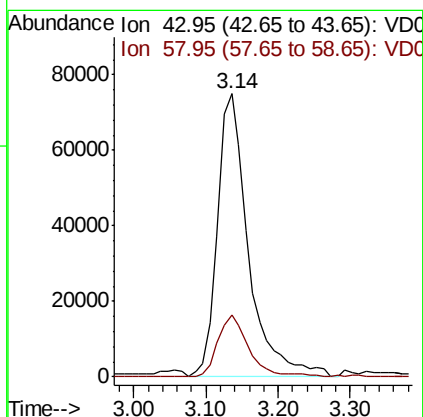
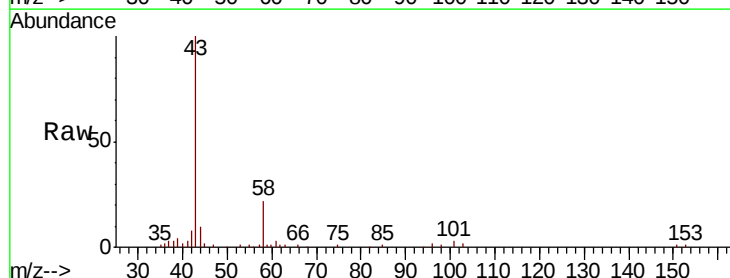
Acq: 1 Oct 2018 17:21

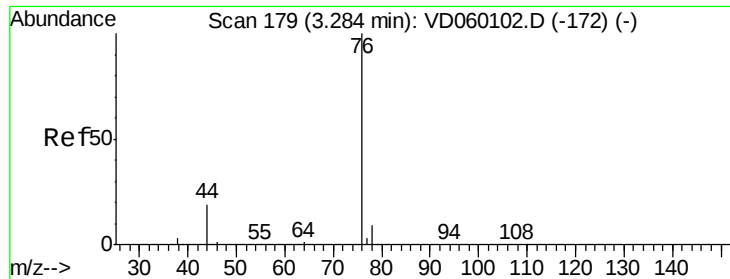
Tgt Ion: 43 Resp: 222614

Ion Ratio Lower Upper

43 100

58 21.8 17.7 26.5





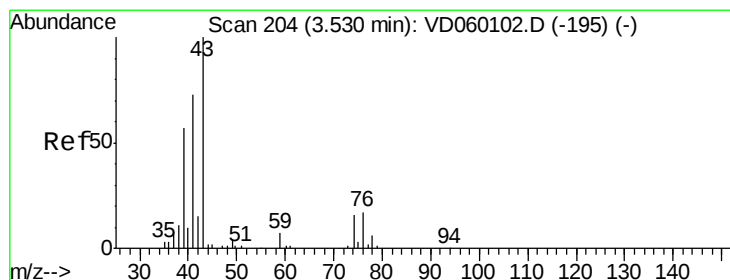
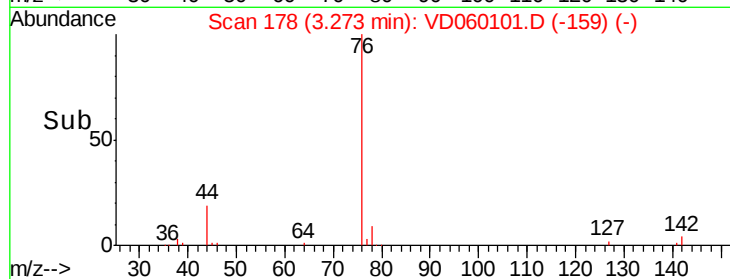
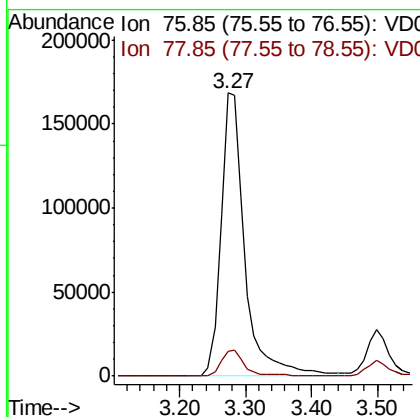
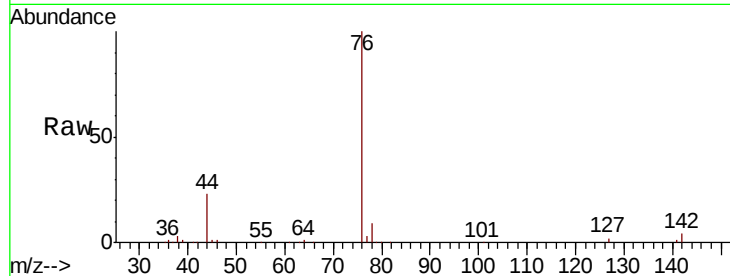
#17
Carbon Disulfide
Concen: 18.746 ug/l
RT: 3.27 min Scan# 178
Delta R.T. -0.01 min
Lab File: VD060101.D
Acq: 1 Oct 2018 17:21

Instrument :
MSVOA_D
ClientSampleId :
VSTDIC020

Tot Ion	Ratio	Lower	Upper
76	100		
78	8.9	7.4	11.2

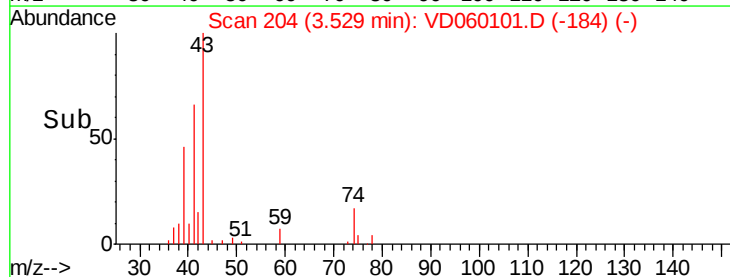
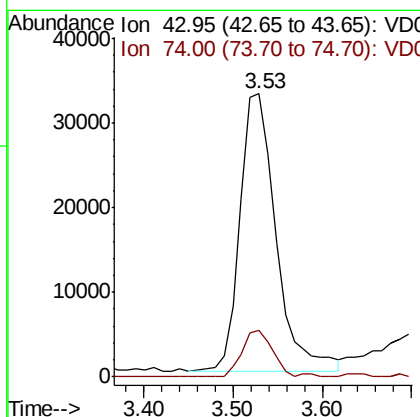
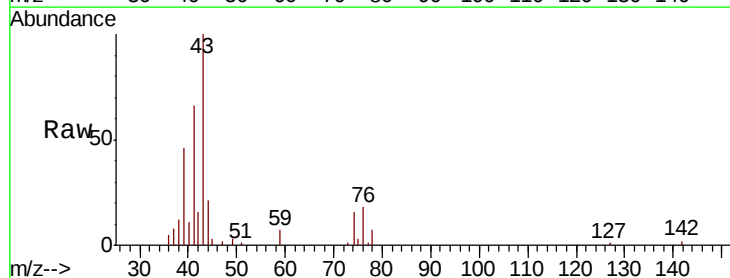
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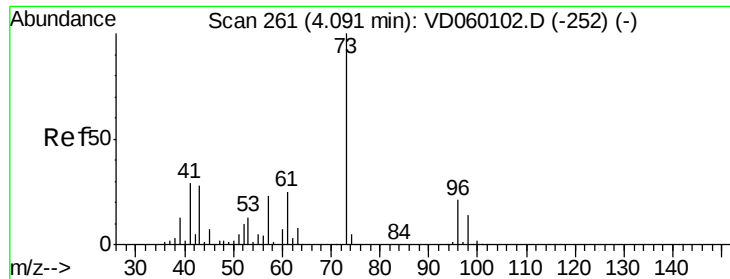
apatel
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#18
Methyl Acetate
Concen: 18.638 ug/l
RT: 3.53 min Scan# 204
Delta R.T. -0.00 min
Lab File: VD060101.D
Acq: 1 Oct 2018 17:21

Tgt Ion	Ratio	Lower	Upper
43	100		
74	16.3	12.6	19.0





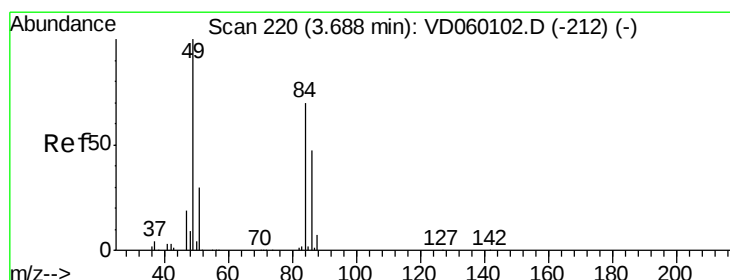
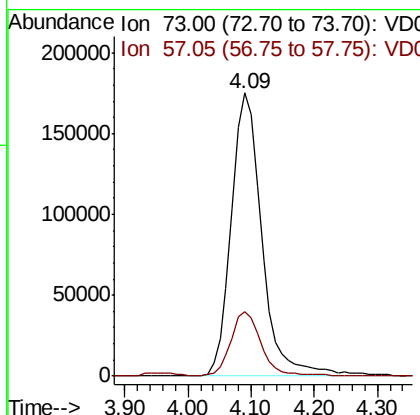
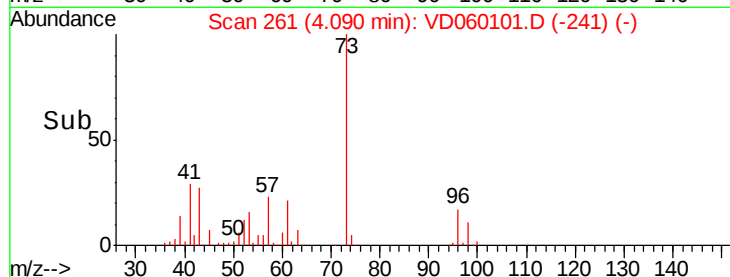
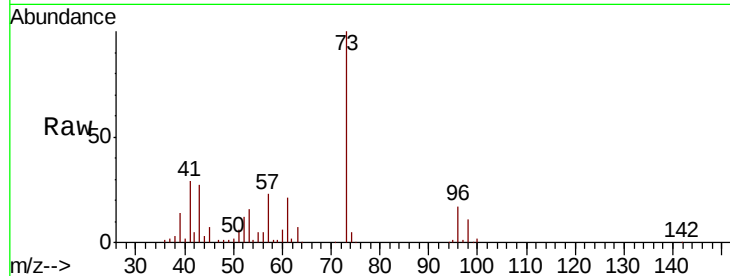
#19
Methyl tert-butyl Ether
Concen: 19.281 ug/l
RT: 4.09 min Scan# 261
Delta R.T. -0.00 min
Lab File: VD060101.D
Acq: 1 Oct 2018 17:21

Instrument :
MSVOA_D
ClientSampleId :
VSTDIC020

Tot Ion: 73 Resp: 586113
Ion Ratio Lower Upper
73 100
57 22.9 18.7 28.1

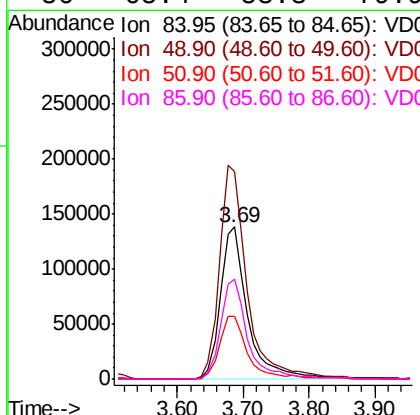
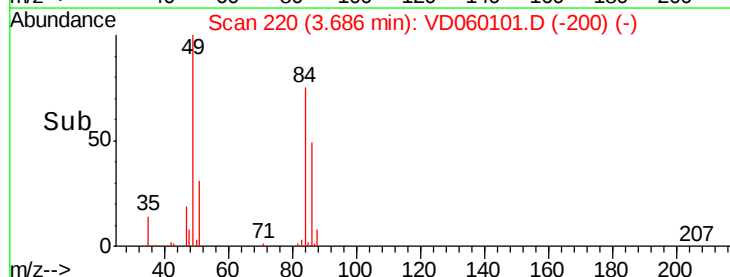
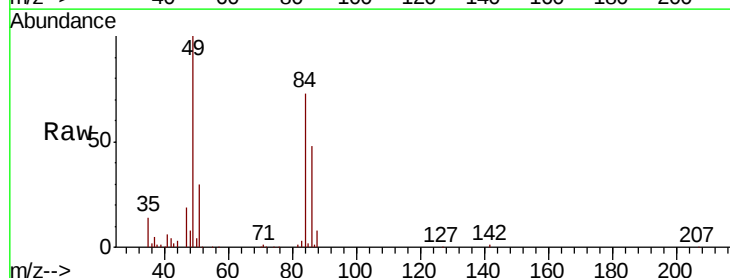
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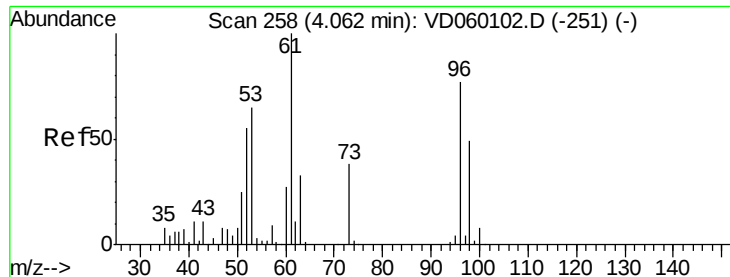
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#20
Methylene Chloride
Concen: 19.521 ug/l
RT: 3.69 min Scan# 220
Delta R.T. -0.00 min
Lab File: VD060101.D
Acq: 1 Oct 2018 17:21

Tgt Ion: 84 Resp: 398796
Ion Ratio Lower Upper
84 100
49 136.4 114.6 172.0
51 41.5 33.8 50.8
86 65.4 53.3 79.9





#21

trans-1,2-Dichloroethene

Concen: 19.556 ug/l

RT: 4.06 min Scan# 258

Delta R.T. -0.00 min

Lab File: VD060101.D

Acq: 1 Oct 2018 17:21

Instrument :

MSVOA_D

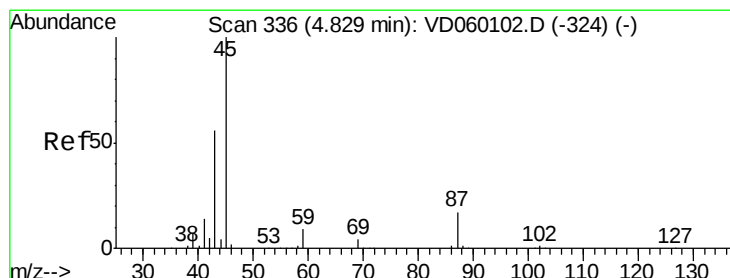
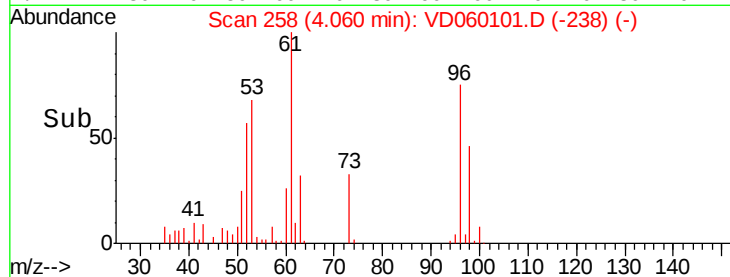
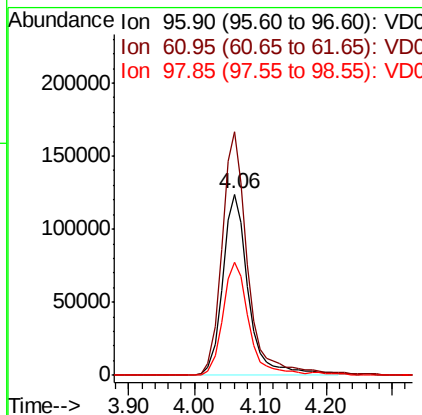
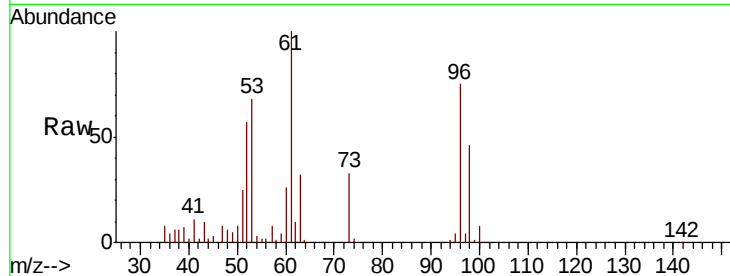
ClientSampleId :

VSTDIC020

Tot Ion:	96	Resp:	338501
Ion	Ratio	Lower	Upper
96	100		
61	134.1	103.3	154.9
98	62.2	50.4	75.6

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#22

Diisopropyl ether

Concen: 19.425 ug/l

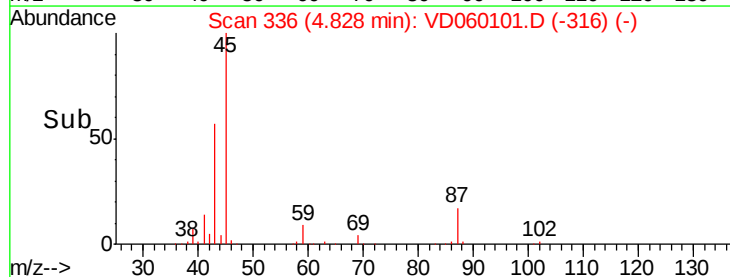
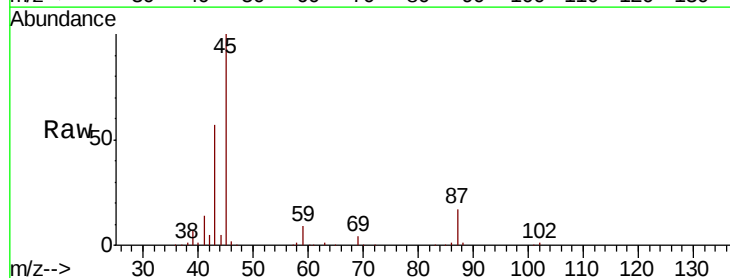
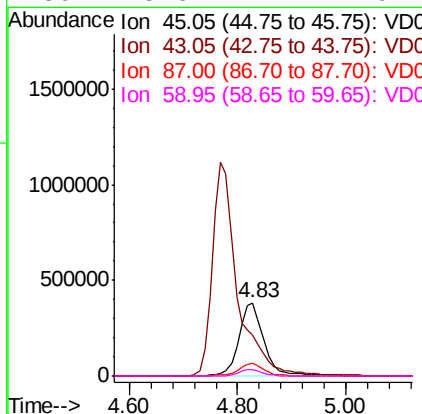
RT: 4.83 min Scan# 336

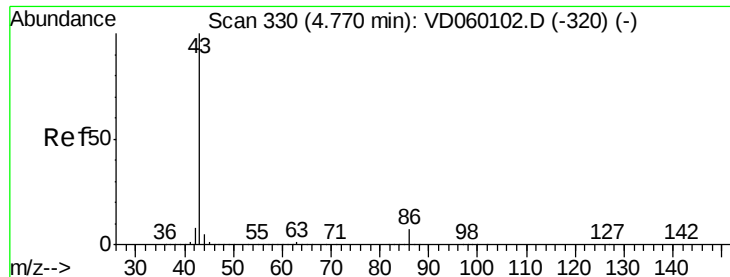
Delta R.T. -0.00 min

Lab File: VD060101.D

Acq: 1 Oct 2018 17:21

Tgt Ion:	45	Resp:	1222119
Ion	Ratio	Lower	Upper
45	100		
43	56.6	44.8	67.2
87	17.2	13.9	20.9
59	8.6	7.1	10.7





#23

Vinyl Acetate

Concen: 99.636 ug/l

RT: 4.77 min Scan# 330

Delta R.T. -0.00 min

Lab File: VD060101.D

Acq: 1 Oct 2018 17:21

Instrument :

MSVOA_D

ClientSampleId :

VSTDIC020

Tot Ion: 43 Resp: 3557394

Ion Ratio Lower Upper

43 100

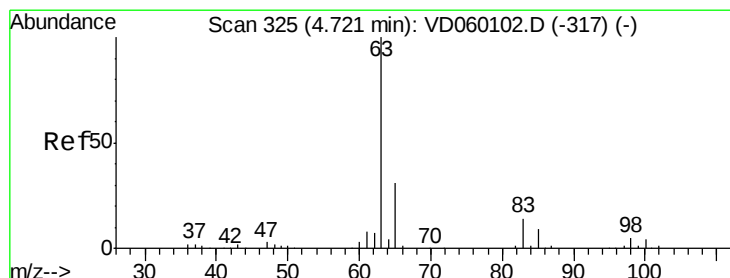
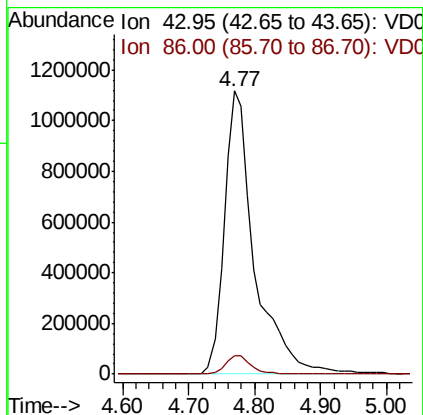
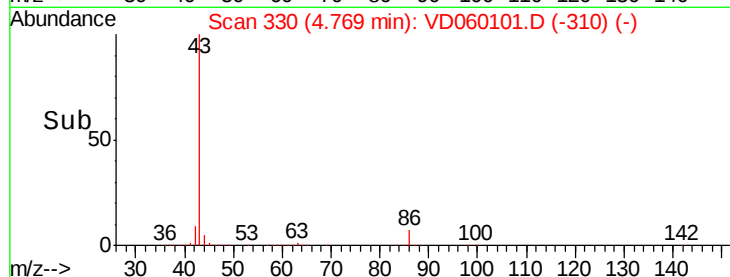
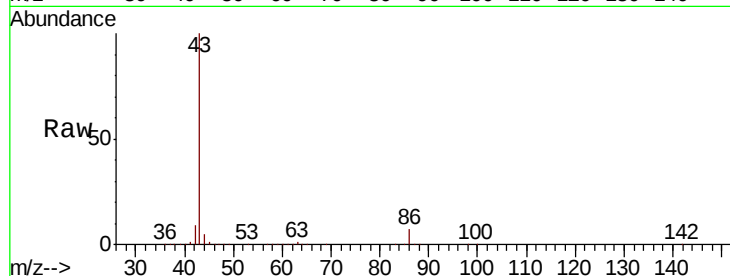
86 6.7 5.6 8.4

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#24

1,1-Dichloroethane

Concen: 19.627 ug/l

RT: 4.72 min Scan# 325

Delta R.T. -0.00 min

Lab File: VD060101.D

Acq: 1 Oct 2018 17:21

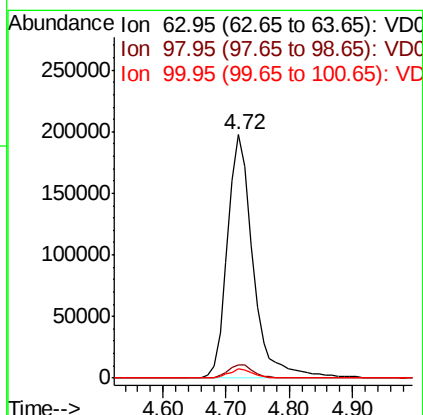
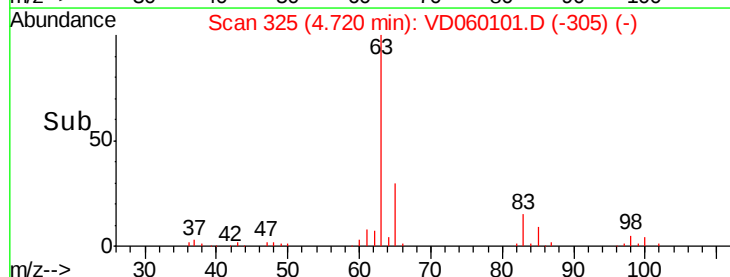
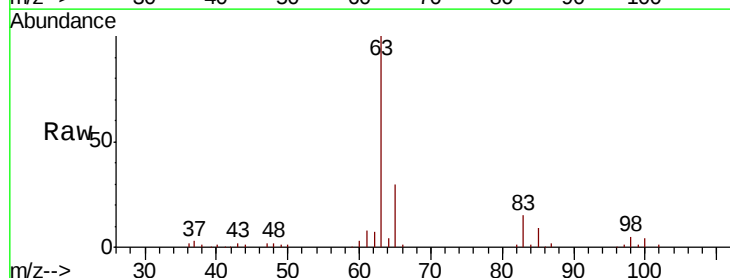
Tgt Ion: 63 Resp: 557491

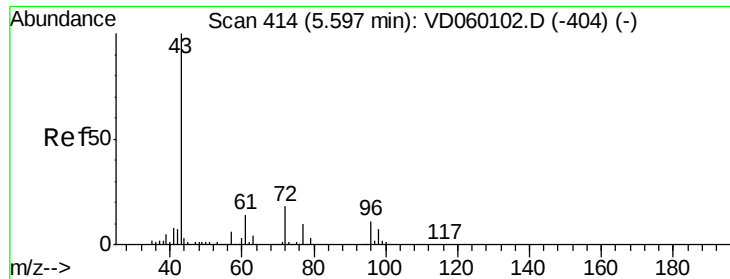
Ion Ratio Lower Upper

63 100

98 5.4 2.8 8.3

100 4.0 1.8 5.3





#25

2-Butanone

Concen: 88.413 ug/l

RT: 5.60 min Scan# 414

Delta R.T. -0.00 min

Lab File: VD060101.D

Acq: 1 Oct 2018 17:21

Instrument :

MSVOA_D

ClientSampleId :

VSTDIC020

Tot Ion: 43 Resp: 571402

Ion Ratio Lower Upper

43 100

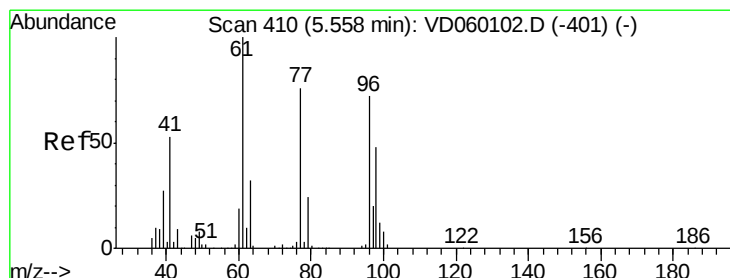
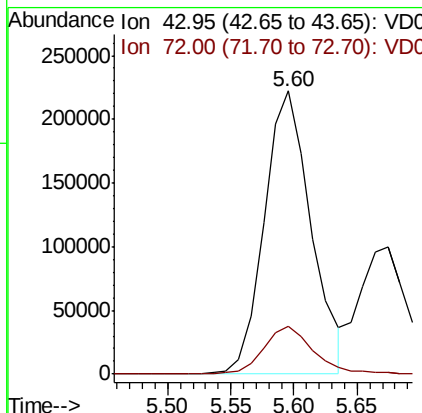
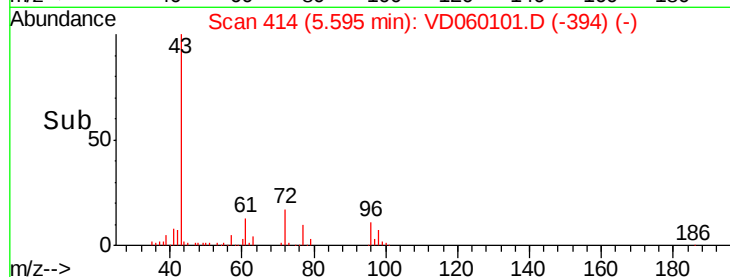
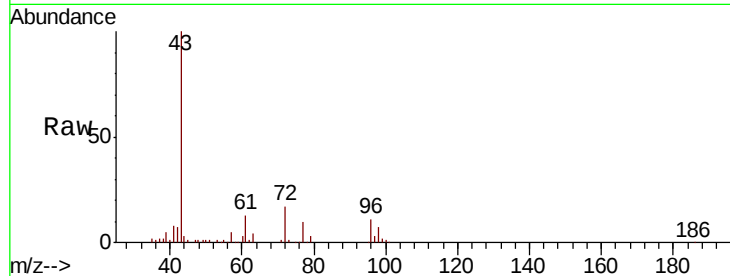
72 16.8 14.5 21.7

Manual Integrations

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#26

2,2-Dichloropropane

Concen: 18.711 ug/l

RT: 5.56 min Scan# 410

Delta R.T. -0.00 min

Lab File: VD060101.D

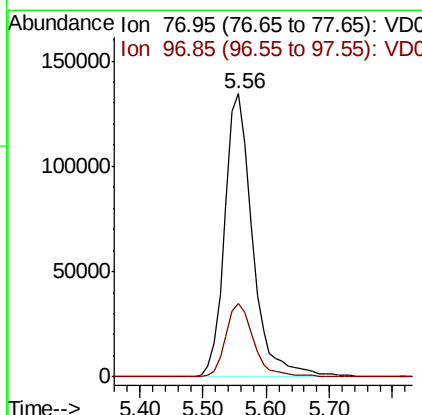
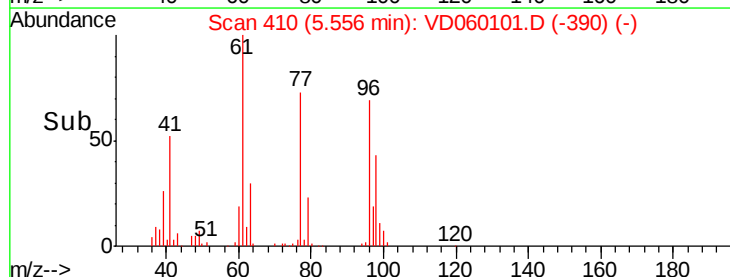
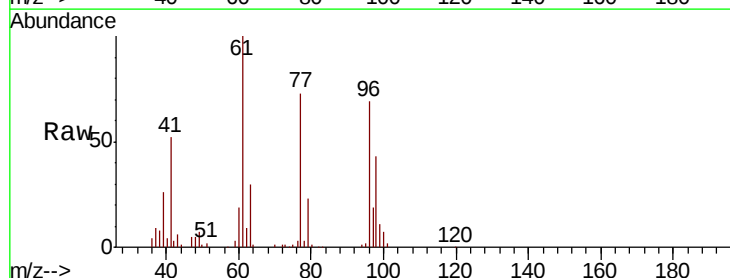
Acq: 1 Oct 2018 17:21

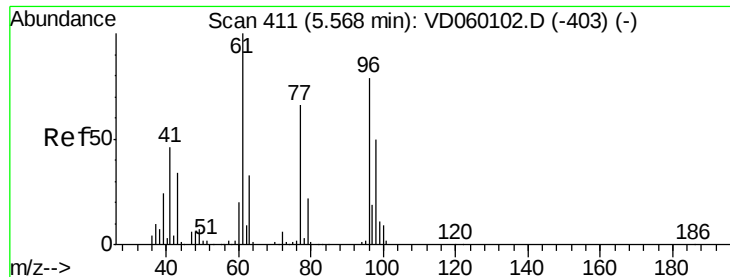
Tgt Ion: 77 Resp: 411310

Ion Ratio Lower Upper

77 100

97 26.2 13.3 39.9





#27

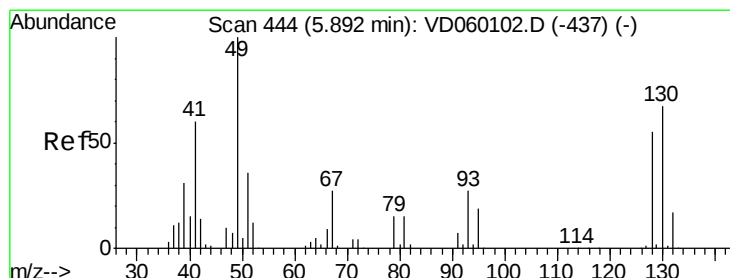
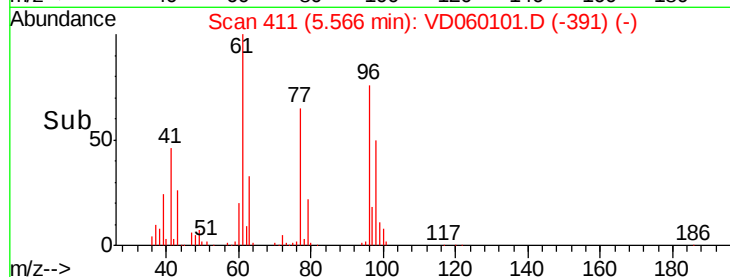
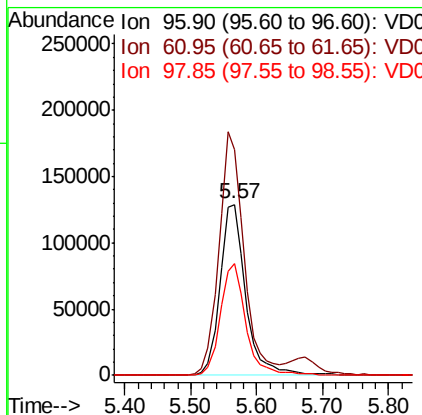
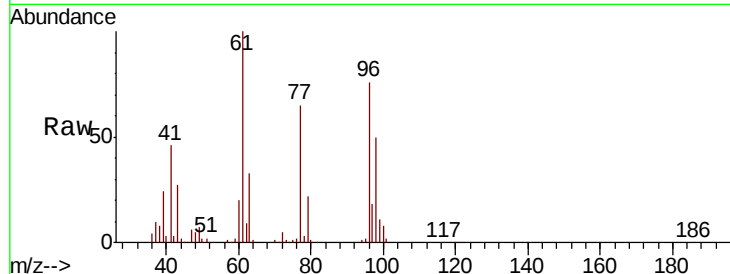
cis-1,2-Dichloroethene
 Concen: 19.394 ug/l
 RT: 5.57 min Scan# 411
 Delta R.T. -0.00 min
 Lab File: VD060101.D
 Acq: 1 Oct 2018 17:21

Instrument :
 MSVOA_D
 ClientSampleId :
 VSTDIC020

Tot Ion	Ratio	Resp	Lower	Upper
96	100	350874		
61	132.1	0.0	251.8	
98	65.5	0.0	125.2	

Manual Integrations
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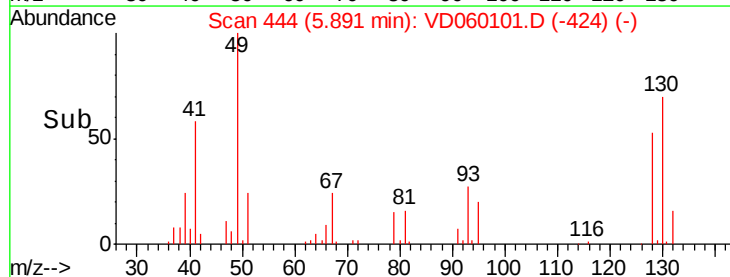
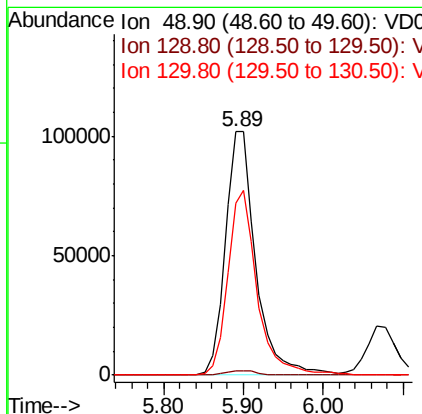
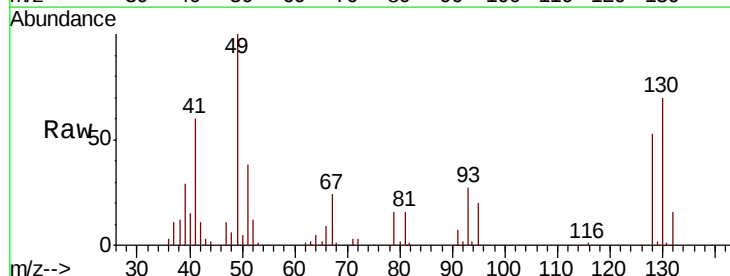
apatel
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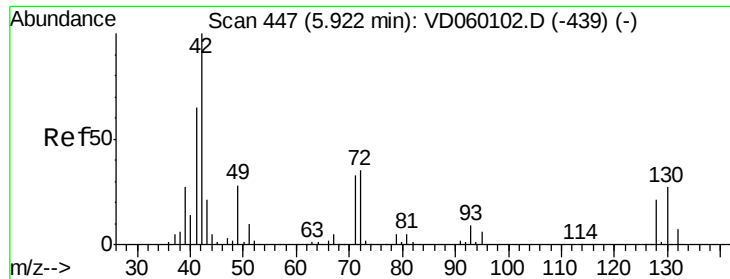


#28

Bromochloromethane
 Concen: 19.700 ug/l
 RT: 5.89 min Scan# 444
 Delta R.T. -0.00 min
 Lab File: VD060101.D
 Acq: 1 Oct 2018 17:21

Tgt Ion	Ratio	Resp	Lower	Upper
49	100	271965		
129	1.8	0.0	3.6	
130	70.4	53.9	80.9	





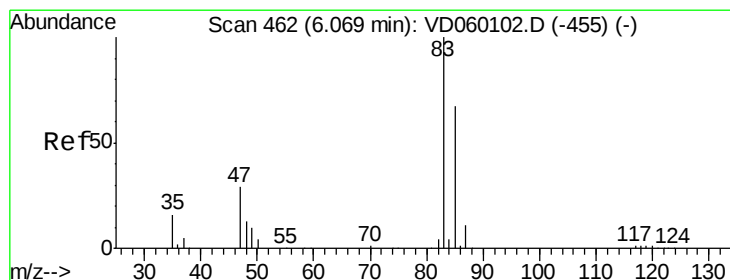
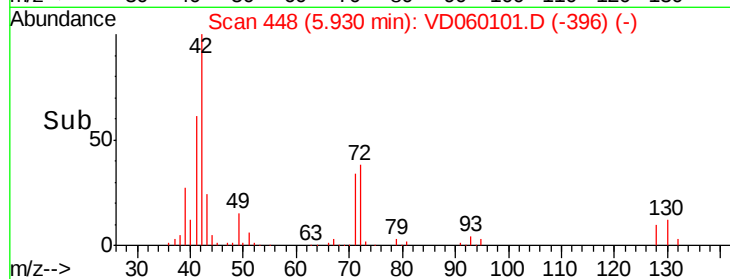
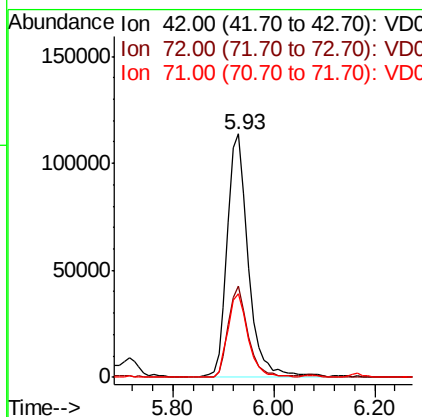
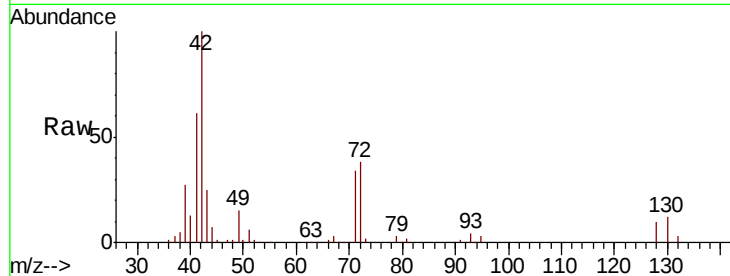
#29
Tetrahydrofuran
Concen: 94.991 ug/l
RT: 5.93 min Scan# 448
Delta R.T. 0.01 min
Lab File: VD060101.D
Acq: 1 Oct 2018 17:21

Instrument :
MSVOA_D
ClientSampleId :
VSTDIC020

Tot Ion	Ratio	Lower	Upper
42	100		
72	34.6	26.9	40.3
71	32.9	26.7	40.1

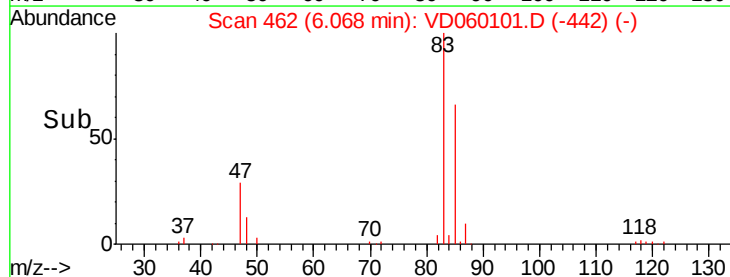
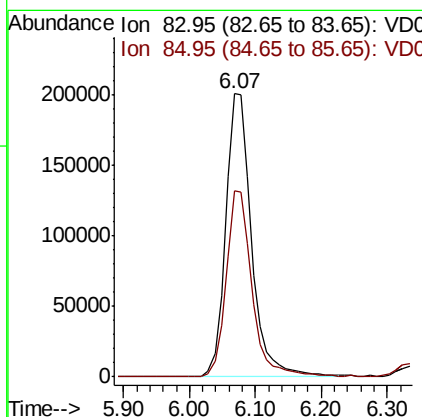
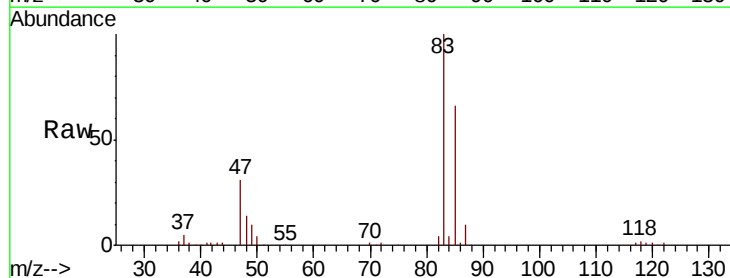
Manual Integrations
APPROVED

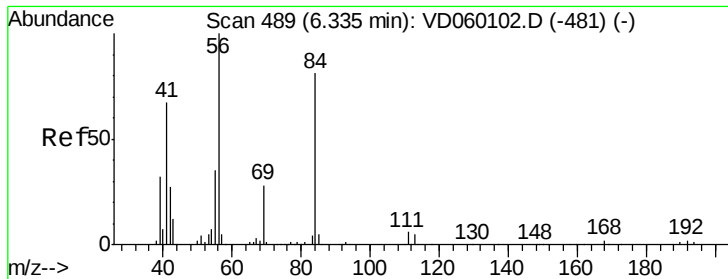
apatel
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#30
Chloroform
Concen: 19.296 ug/l
RT: 6.07 min Scan# 462
Delta R.T. -0.00 min
Lab File: VD060101.D
Acq: 1 Oct 2018 17:21

Tgt Ion	Ratio	Lower	Upper
83	100		
85	65.8	53.8	80.8





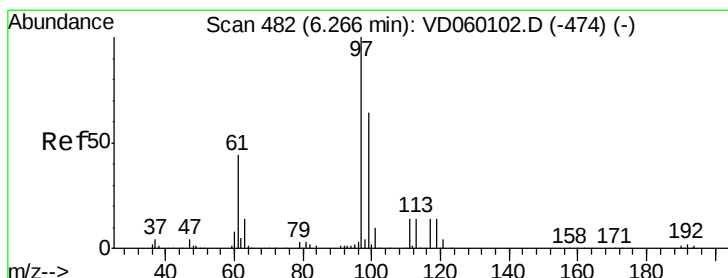
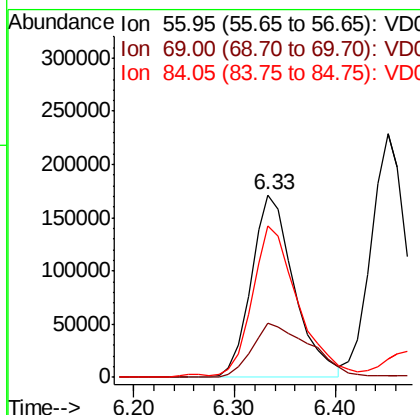
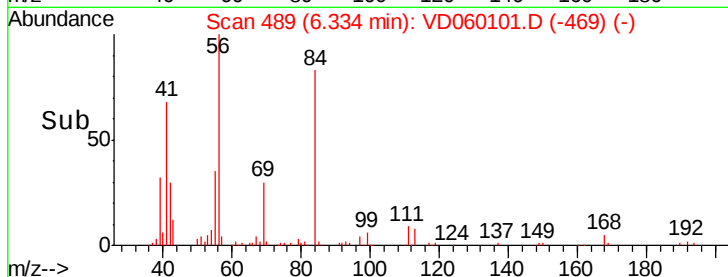
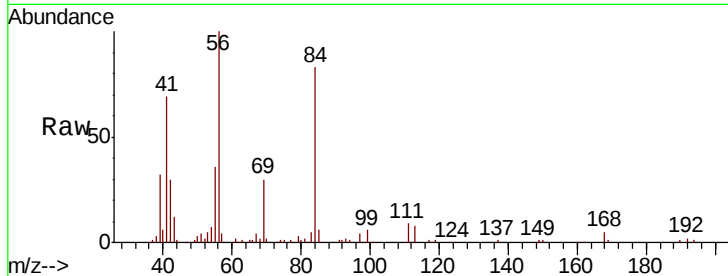
#31
Cyclohexane
Concen: 18.370 ug/l
RT: 6.33 min Scan# 489
Delta R.T. -0.00 min
Lab File: VD060101.D
Acq: 1 Oct 2018 17:21

Instrument :
MSVOA_D
ClientSampleID :
VSTDIC020

Tot Ion	Ratio	Lower	Upper
56	100		
69	29.9	22.8	34.2
84	82.8	64.9	97.3

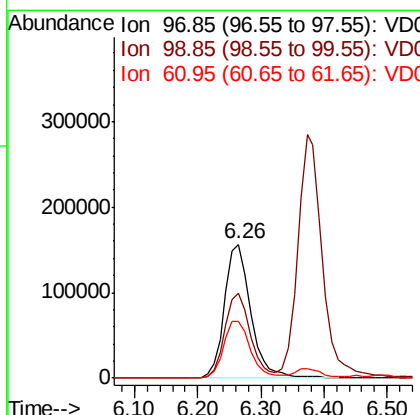
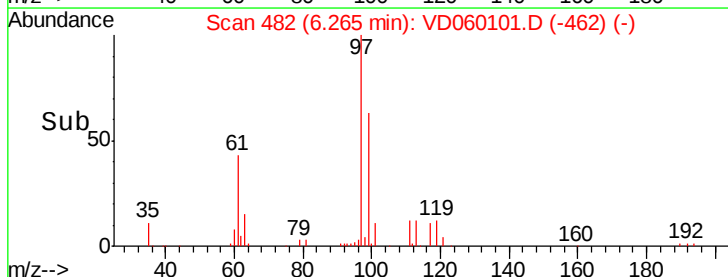
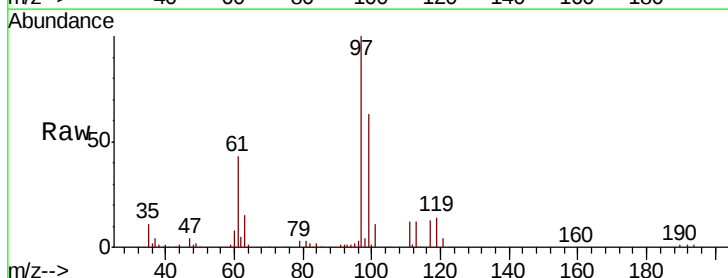
Manual Integrations
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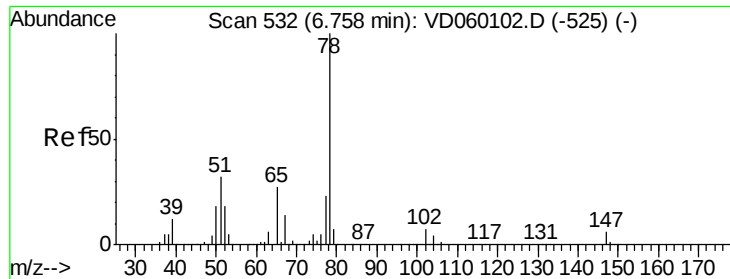
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#32
1,1,1-Trichloroethane
Concen: 19.168 ug/l
RT: 6.26 min Scan# 482
Delta R.T. -0.00 min
Lab File: VD060101.D
Acq: 1 Oct 2018 17:21

Tgt Ion	Ratio	Lower	Upper
97	100		
99	63.2	51.4	77.0
61	42.7	35.5	53.3





#33

1,2-Dichloroethane-d4

Concen: 19.168 ug/l

RT: 6.76 min Scan# 532

Delta R.T. -0.00 min

Lab File: VD060101.D

Acq: 1 Oct 2018 17:21

Instrument :

MSVOA_D

ClientSampleId :

VSTDIC020

Tot Ion: 65 Resp: 254850

Ion Ratio Lower Upper

65 100

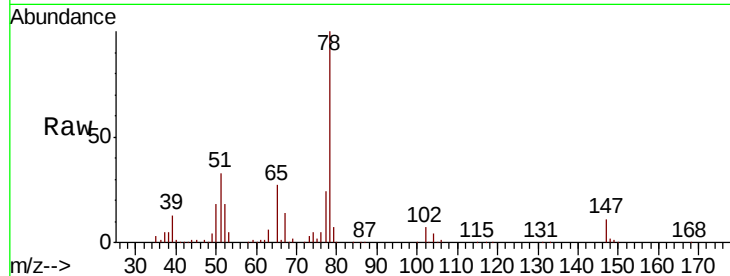
67 49.7 0.0 106.2

Manual Integrations

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Abundance Ion 64.95 (64.65 to 65.65): VDC

Ion 66.90 (66.60 to 67.60): VDC

120000

100000

80000

60000

40000

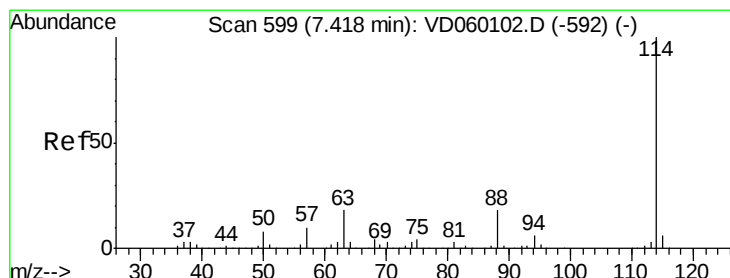
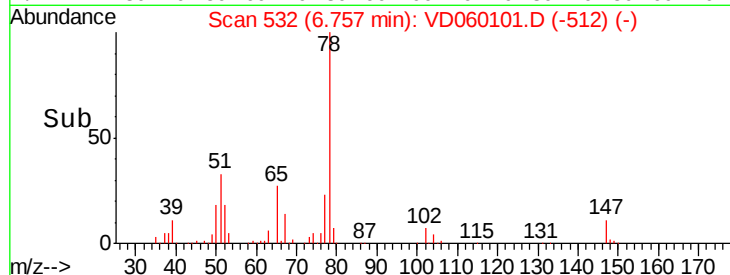
20000

0

6.70

6.80

Time-->



#34

1,4-Difluorobenzene

Concen: 50.000 ug/l

RT: 7.42 min Scan# 599

Delta R.T. -0.00 min

Lab File: VD060101.D

Acq: 1 Oct 2018 17:21

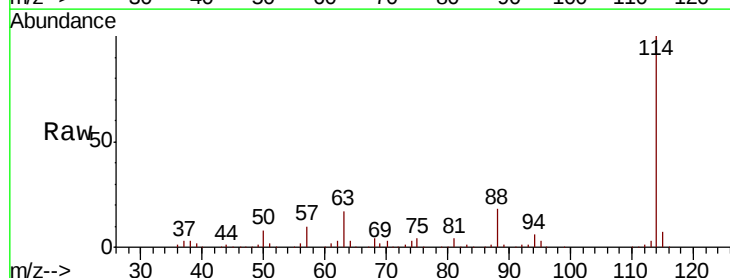
Tgt Ion: 114 Resp: 2240673

Ion Ratio Lower Upper

114 100

63 17.3 0.0 36.0

88 17.7 0.0 36.2



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

1200000

1000000

800000

600000

400000

200000

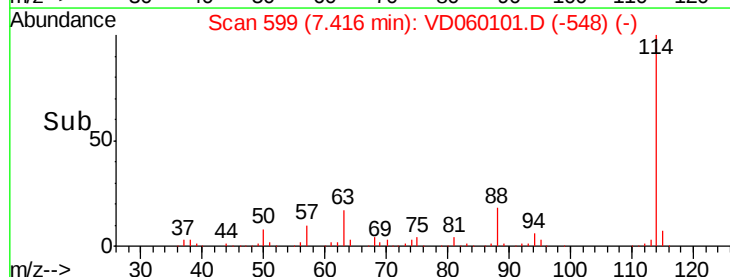
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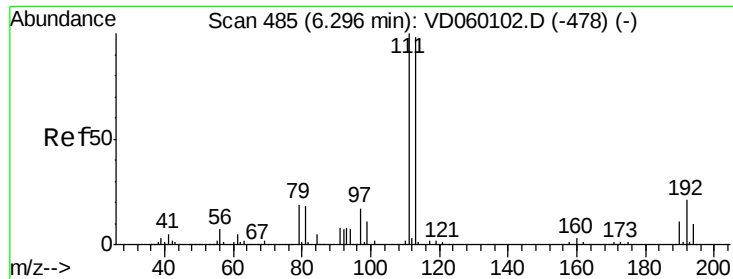
7.20

7.40

7.60

Time-->





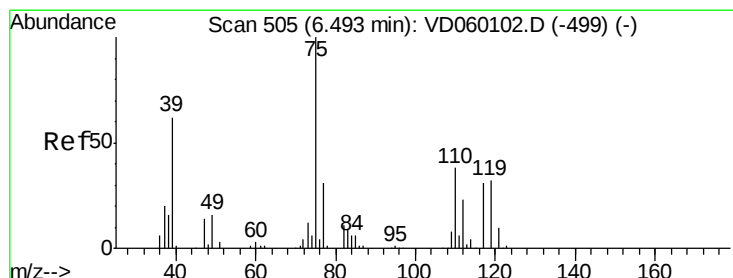
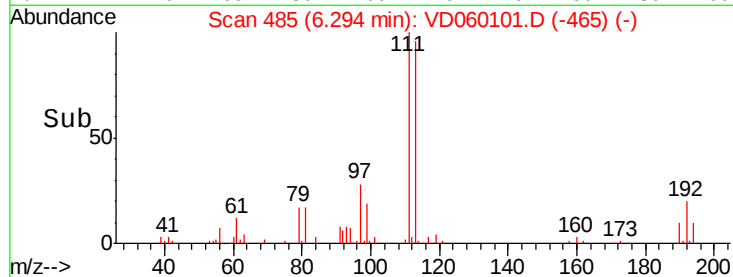
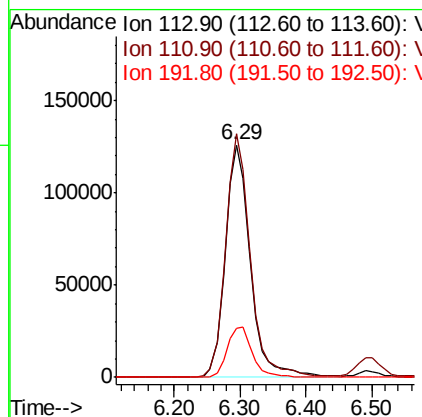
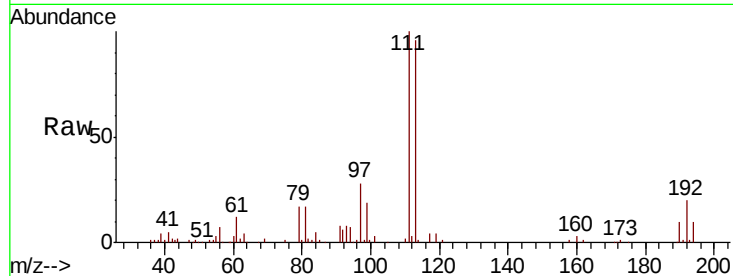
#35
 Dibromofluoromethane
 Concen: 50.000 ug/l
 RT: 6.29 min Scan# 485
 Delta R.T. -0.00 min
 Lab File: VD060101.D
 Acq: 1 Oct 2018 17:21

Instrument :
 MSVOA_D
 ClientSampleId :
 VSTDIC020

Tot Ion	Ratio	Resp	Lower	Upper
113	100			
111	104.7	81.5	122.3	
192	21.4	17.4	26.0	

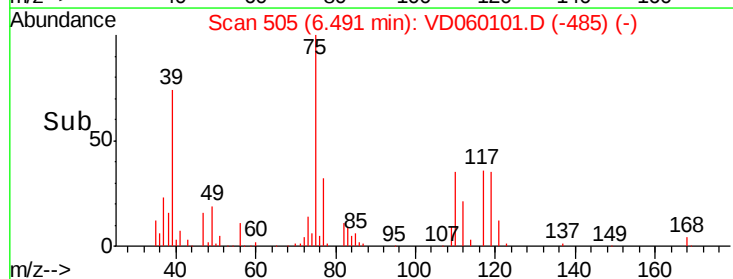
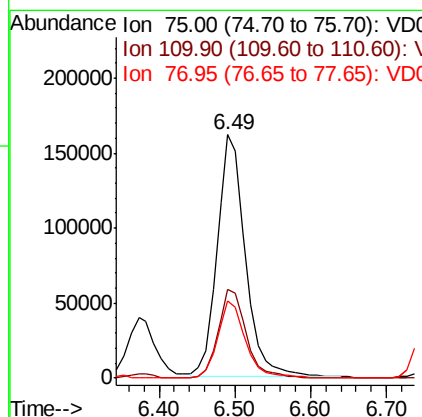
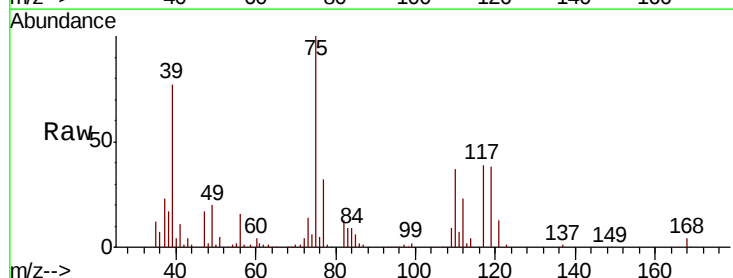
Manual Integrations
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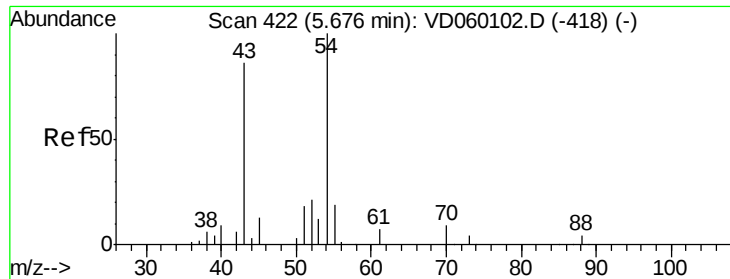
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#36
 1,1-Dichloropropene
 Concen: 19.144 ug/l
 RT: 6.49 min Scan# 505
 Delta R.T. -0.00 min
 Lab File: VD060101.D
 Acq: 1 Oct 2018 17:21

Tgt Ion	Ratio	Resp	Lower	Upper
75	100			
110	36.7	19.0	57.0	
77	31.6	24.9	37.3	





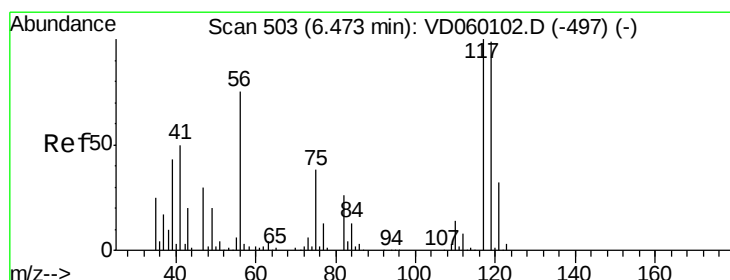
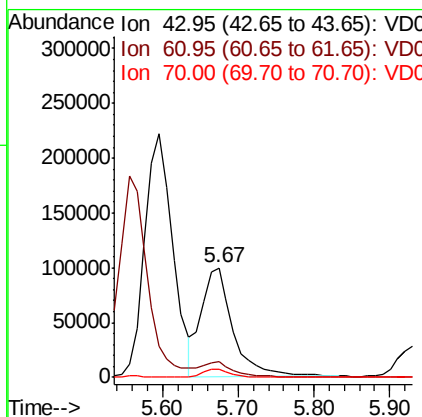
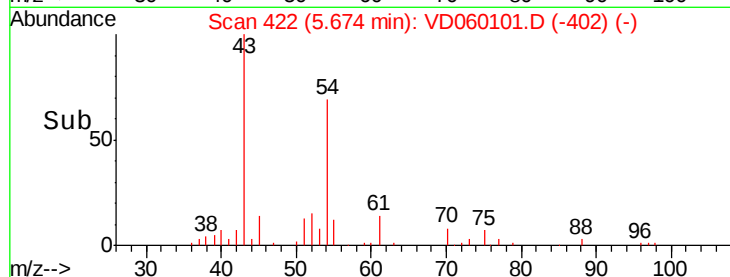
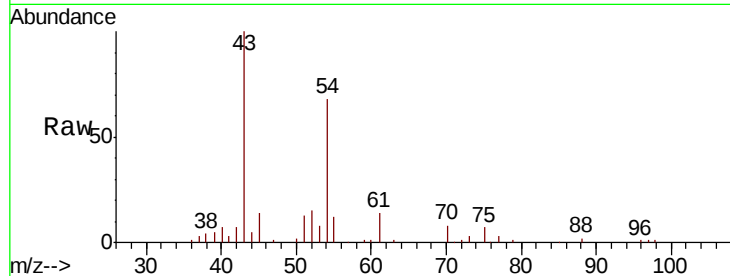
#37
Ethyl Acetate
Concen: 18.994 ug/l
RT: 5.67 min Scan# 422
Delta R.T. -0.00 min
Lab File: VD060101.D
Acq: 1 Oct 2018 17:21

Instrument :
MSVOA_D
ClientSampleID :
VSTDIC020

Tot Ion	Ratio	Lower	Upper
43	100		
61	13.9	10.5	15.7
70	7.7	6.3	9.5

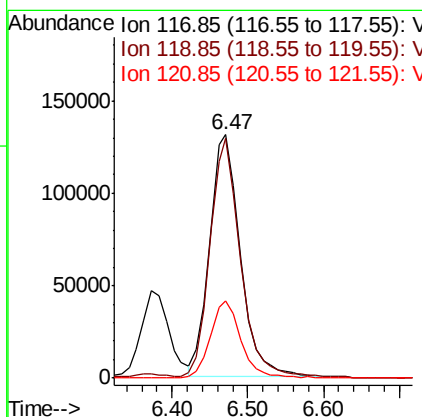
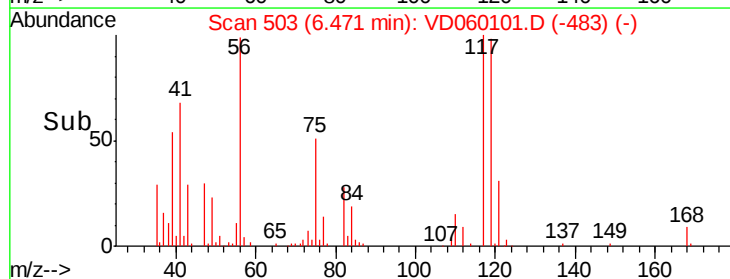
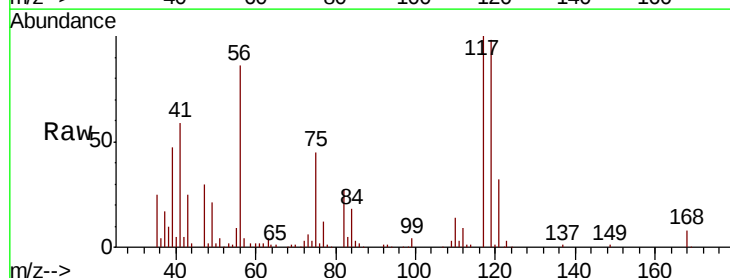
Manual Integrations
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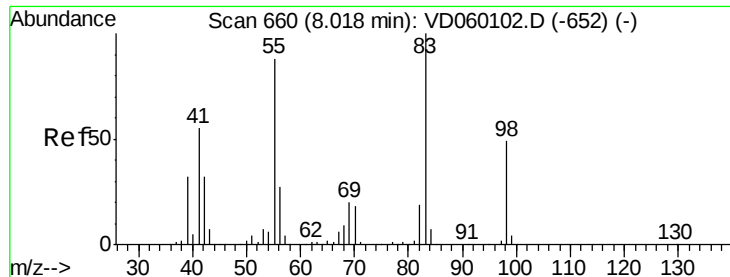
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#38
Carbon Tetrachloride
Concen: 18.272 ug/l
RT: 6.47 min Scan# 503
Delta R.T. -0.00 min
Lab File: VD060101.D
Acq: 1 Oct 2018 17:21

Tgt Ion	Ratio	Lower	Upper
117	100		
119	98.2	77.8	116.6
121	31.6	24.8	37.2





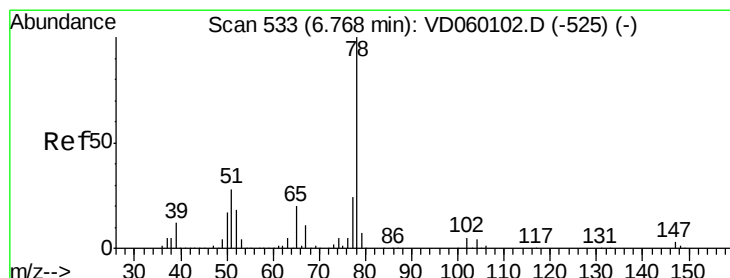
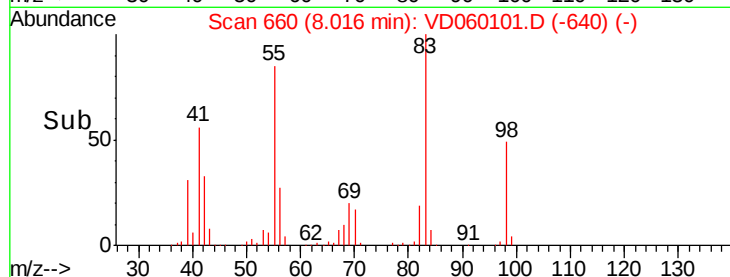
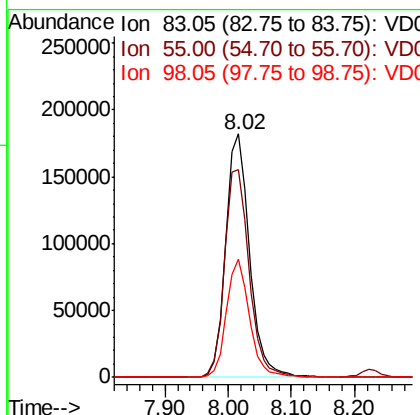
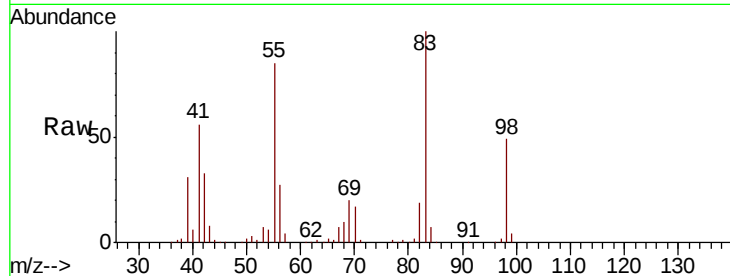
#39
Methvlcvclohexane
Concen: 19.183 ug/l
RT: 8.02 min Scan# 660
Delta R.T. -0.00 min
Lab File: VD060101.D
Acq: 1 Oct 2018 17:21

Instrument :
MSVOA_D
ClientSampleId :
VSTDIC020

Tot Ion	Ratio	Lower	Upper
83	100		
55	85.2	70.5	105.7
98	48.7	39.4	59.2

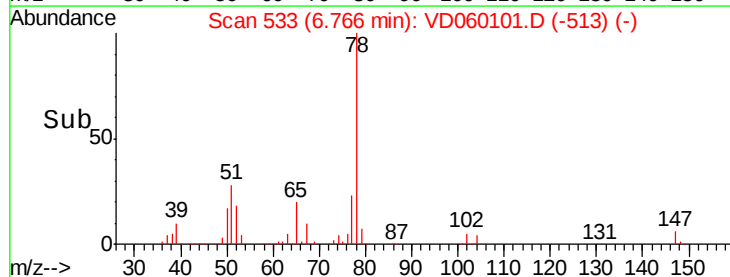
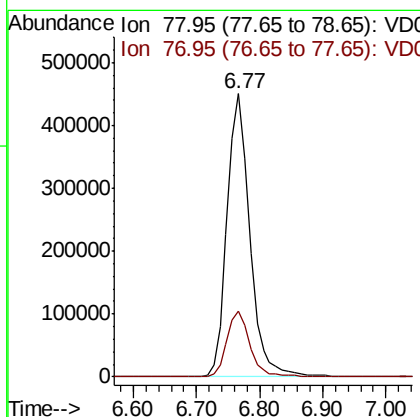
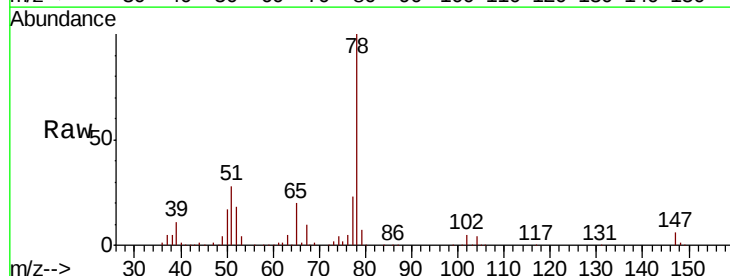
Manual Integrations
APPROVED

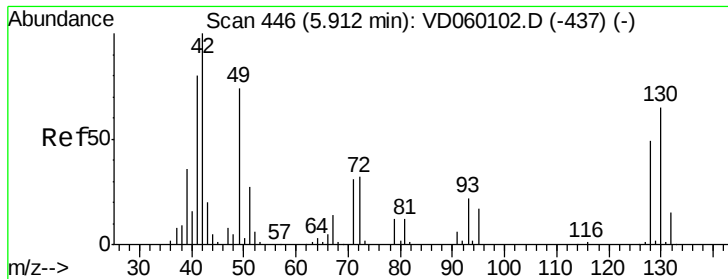
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#40
Benzene
Concen: 20.232 ug/l
RT: 6.77 min Scan# 533
Delta R.T. -0.00 min
Lab File: VD060101.D
Acq: 1 Oct 2018 17:21

Tgt Ion	Ratio	Lower	Upper
78	100		
77	23.5	19.0	28.4





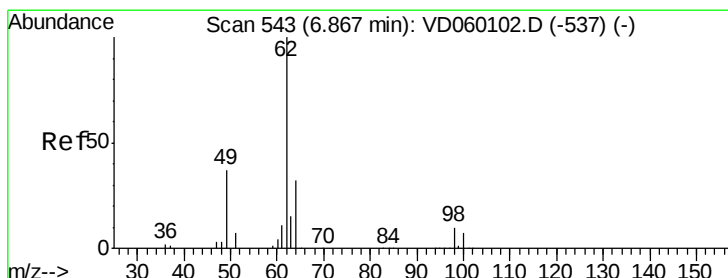
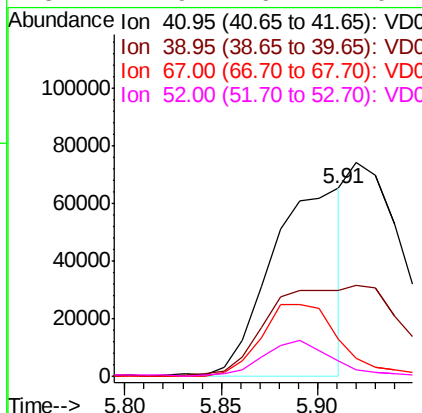
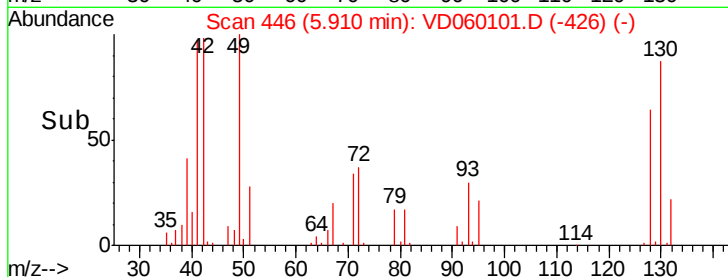
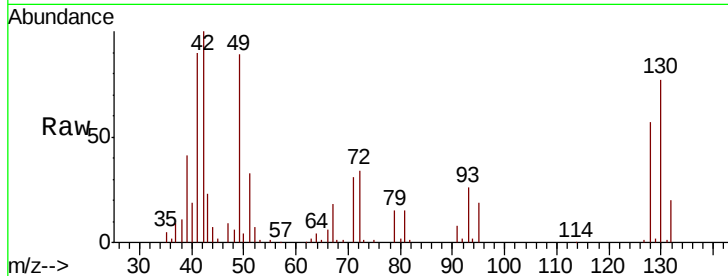
#41
Methacrylonitrile
Concen: 21.021 ug/l m
RT: 5.91 min Scan# 446
Delta R.T. -0.00 min
Lab File: VD060101.D
Acq: 1 Oct 2018 17:21

Instrument :
MSVOA_D
ClientSampleId :
VSTDIC020

Tot Ion	41	Resp	169311
Ion	Ratio	Lower	Upper
41	100		
39	45.7	36.0	54.0
67	19.7	13.9	20.9
52	7.9	6.1	9.1

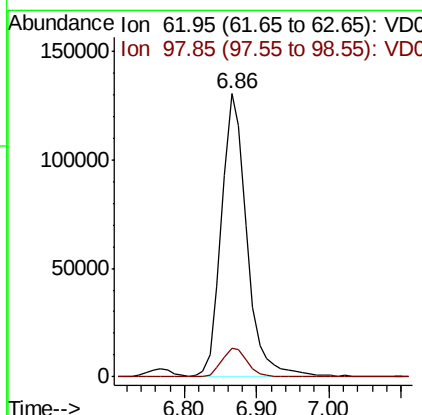
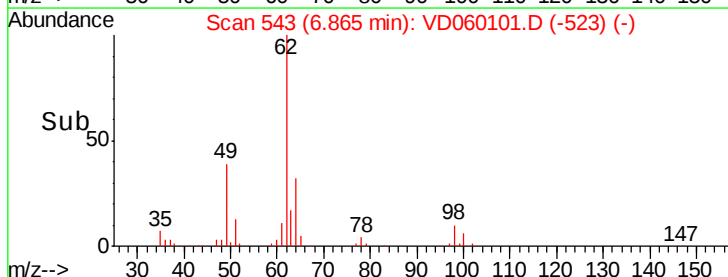
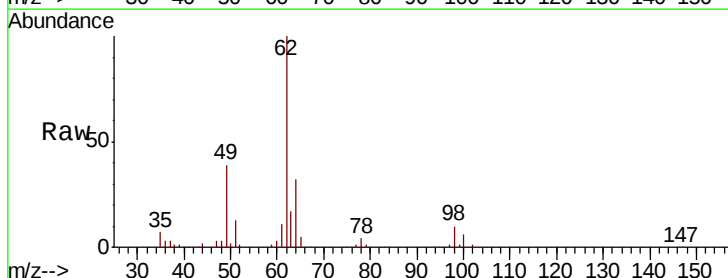
Manual Integrations
APPROVED

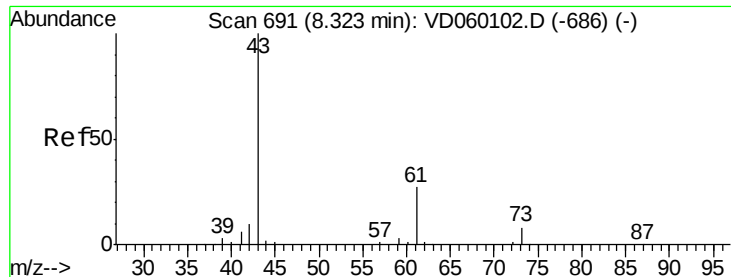
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#42
1,2-Dichloroethane
Concen: 18.793 ug/l
RT: 6.86 min Scan# 543
Delta R.T. -0.00 min
Lab File: VD060101.D
Acq: 1 Oct 2018 17:21

Tgt Ion	62	Resp	315345
Ion	Ratio	Lower	Upper
62	100		
98	10.1	0.0	20.6





#43

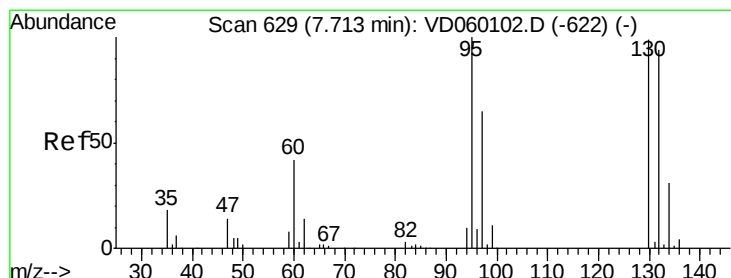
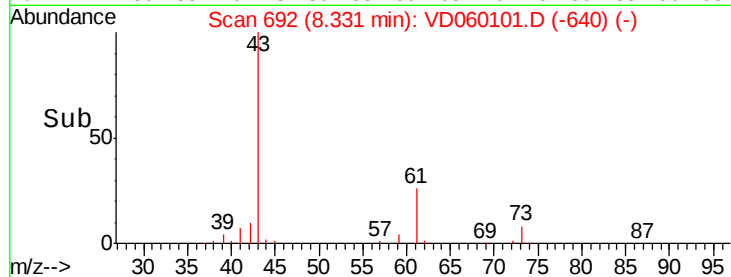
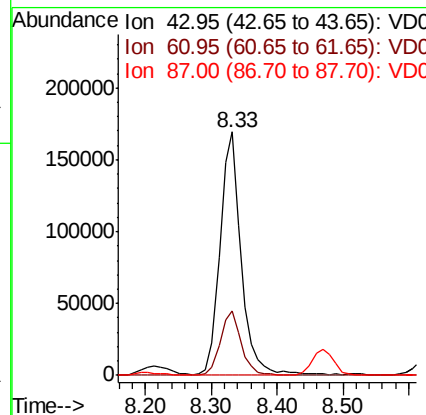
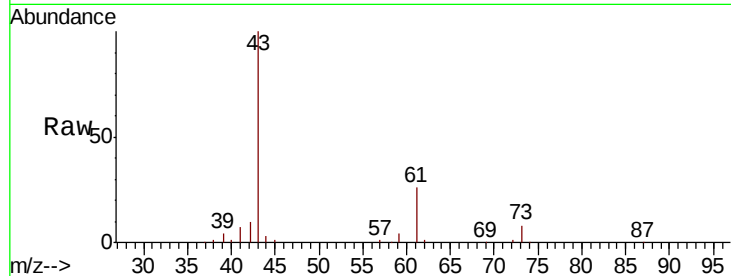
Isopropyl Acetate
 Concen: 18.450 ug/l
 RT: 8.33 min Scan# 692
 Delta R.T. 0.01 min
 Lab File: VD060101.D
 Acq: 1 Oct 2018 17:21

Instrument :
 MSVOA_D
 ClientSampleId :
 VSTDIC020

Tot Ion	Ratio	Lower	Upper
43	100		
61	26.4	21.4	32.2
87	0.3	0.2	0.2

Manual Integrations
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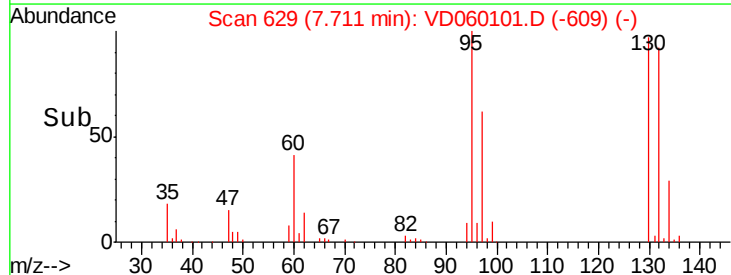
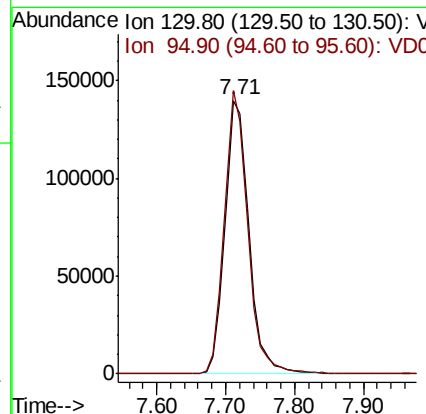
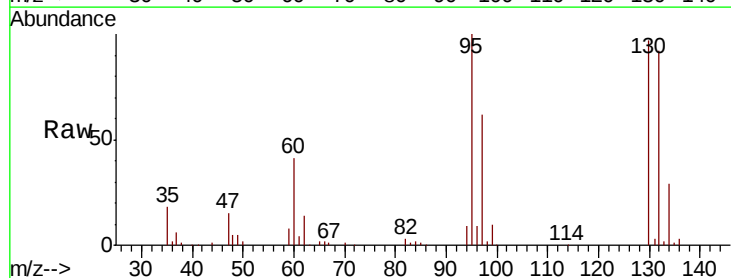
apatel
 10/2/2018 12:31:12 PM

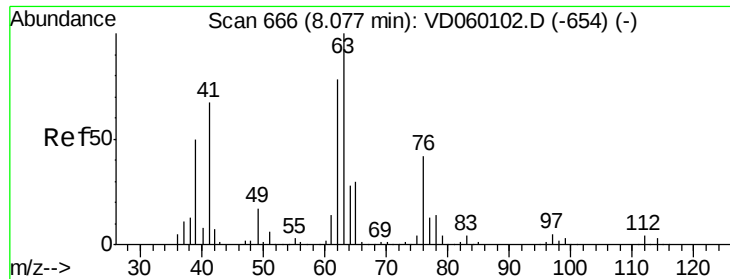


#44

Trichloroethene
 Concen: 19.385 ug/l
 RT: 7.71 min Scan# 629
 Delta R.T. -0.00 min
 Lab File: VD060101.D
 Acq: 1 Oct 2018 17:21

Tgt Ion	Ratio	Lower	Upper
130	100		
95	103.5	0.0	202.2





#45

1,2-Dichloropropane

Concen: 19.021 ug/l

RT: 8.08 min Scan# 666

Delta R.T. -0.00 min

Lab File: VD060101.D

Acq: 1 Oct 2018 17:21

Instrument :

MSVOA_D

ClientSampleId :

VSTDIC020

Tot Ion: 63 Resp: 284856

Ion Ratio Lower Upper

63 100

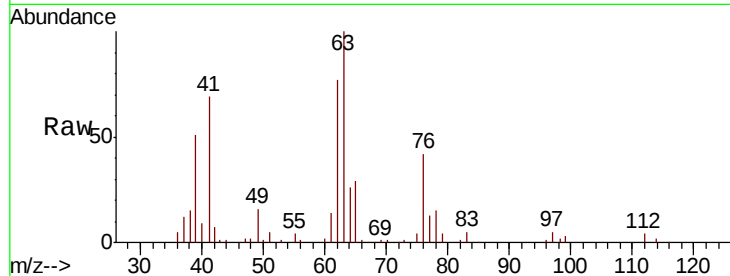
65 28.6 24.1 36.1

Manual Integrations

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Abundance Ion 62.95 (62.65 to 63.65): VDC

Ion 64.95 (64.65 to 65.65): VDC

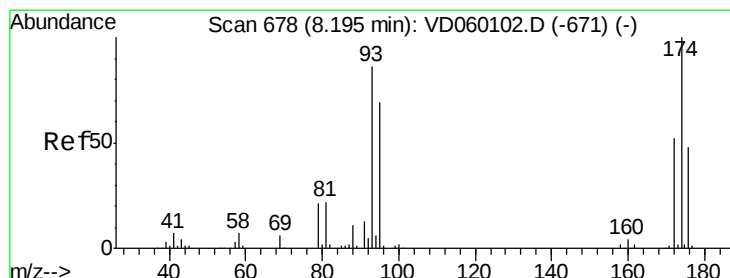
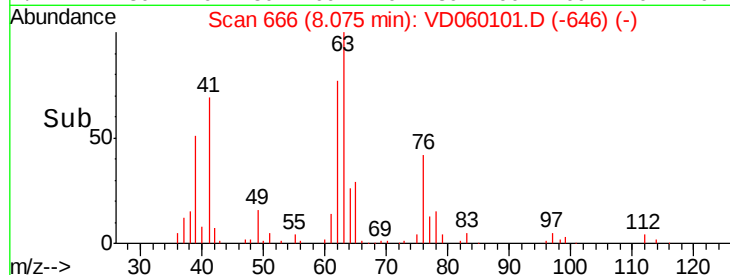
8.08

100000

50000

0

Time-->



#46

Dibromomethane

Concen: 19.649 ug/l

RT: 8.19 min Scan# 678

Delta R.T. -0.00 min

Lab File: VD060101.D

Acq: 1 Oct 2018 17:21

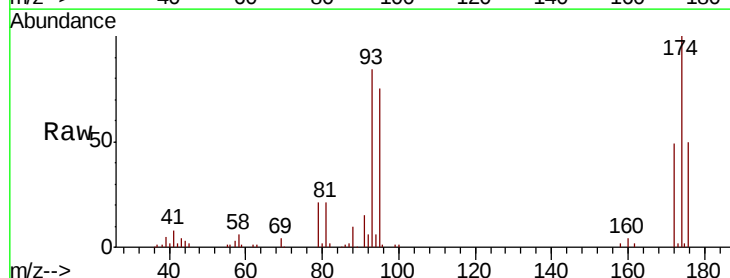
Tgt Ion: 93 Resp: 191264

Ion Ratio Lower Upper

93 100

95 88.9 63.8 95.6

174 119.1 92.9 139.3



Abundance Ion 92.90 (92.60 to 93.60): VDC

Ion 94.90 (94.60 to 95.60): VDC

Ion 173.80 (173.50 to 174.50): VDC

8.19

120000

100000

80000

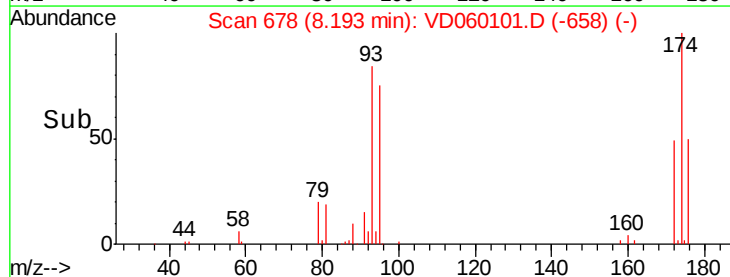
60000

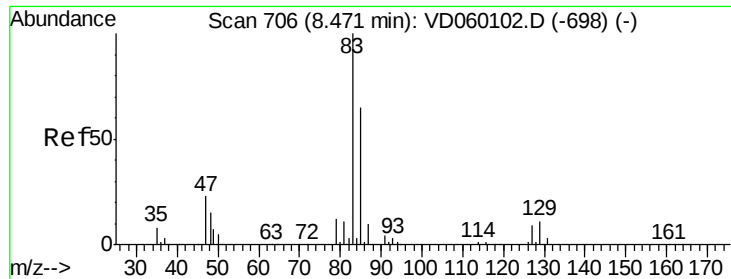
40000

20000

0

Time-->





#47

Bromodichloromethane

Concen: 19.084 ug/l

RT: 8.47 min Scan# 706

Delta R.T. -0.00 min

Lab File: VD060101.D

Acq: 1 Oct 2018 17:21

Instrument :

MSVOA_D

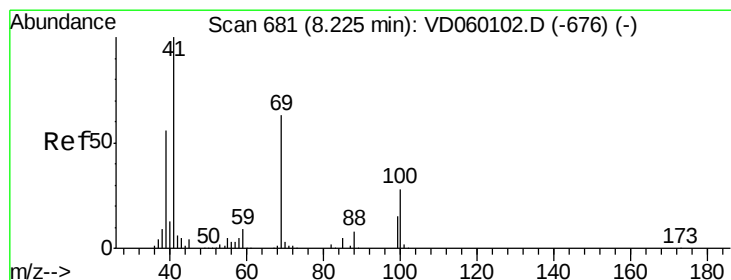
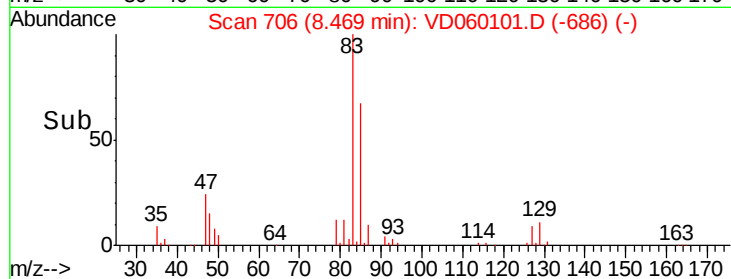
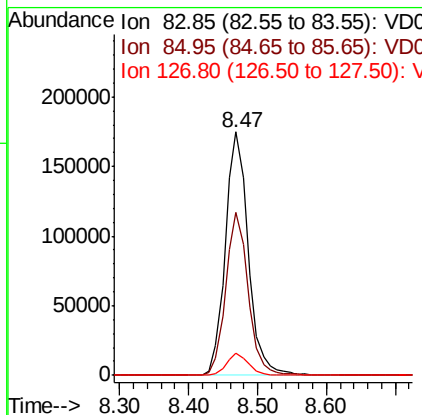
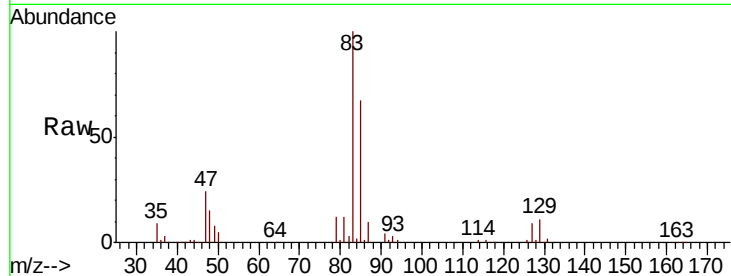
ClientSampleId :

VSTDIC020

Tot Ion:	83	Resp:	401571
Ion Ratio	Lower	Upper	
83	100		
85	67.2	52.2	78.2
127	9.1	7.4	11.0

Manual Integrations
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#48

Methyl methacrylate

Concen: 18.843 ug/l

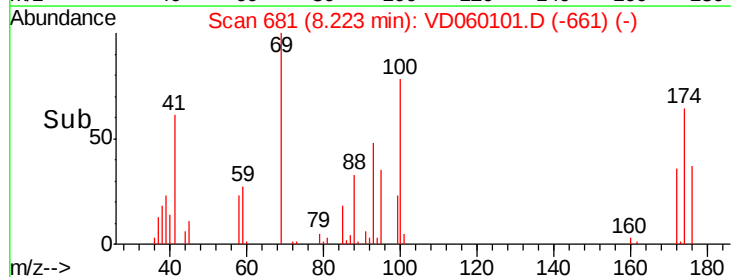
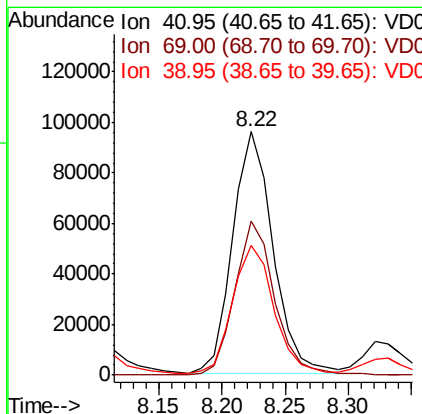
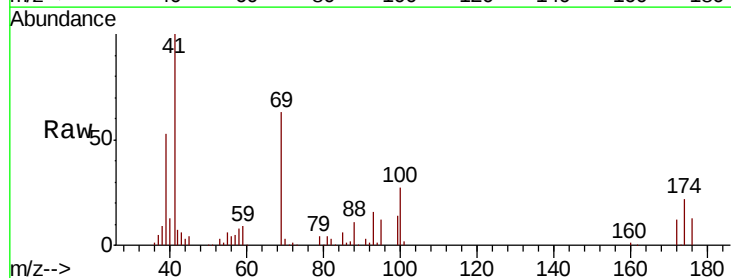
RT: 8.22 min Scan# 681

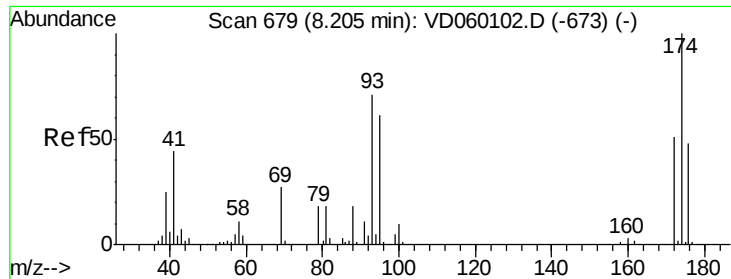
Delta R.T. -0.00 min

Lab File: VD060101.D

Acq: 1 Oct 2018 17:21

Tgt Ion:	41	Resp:	210705
Ion Ratio	Lower	Upper	
41	100		
69	63.0	49.7	74.5
39	53.3	45.2	67.8





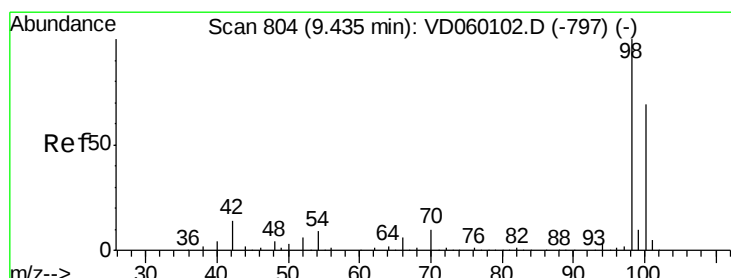
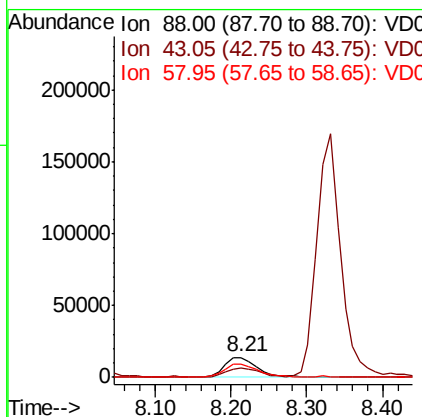
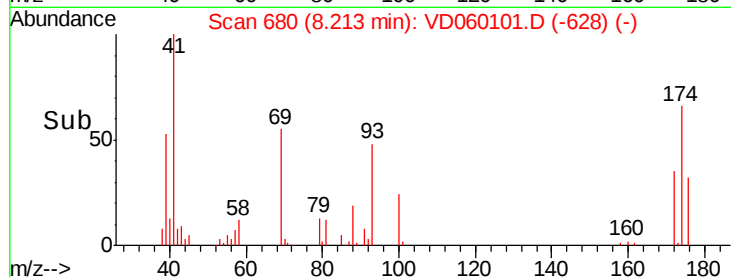
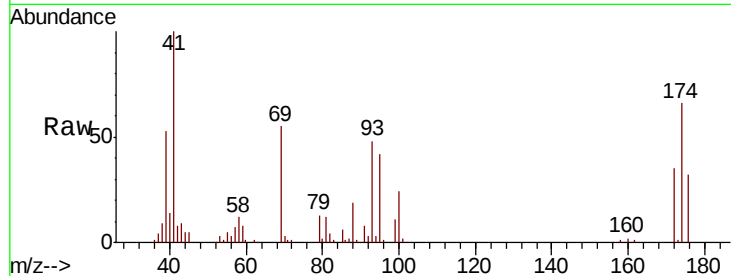
#49
1,4-Dioxane
Concen: 385.411 ug/l
RT: 8.21 min Scan# 680
Delta R.T. 0.01 min
Lab File: VD060101.D
Acq: 1 Oct 2018 17:21

Instrument :
MSVOA_D
ClientSampleId :
VSTDIC020

Tot Ion: 88 Resp: 42888
Ion Ratio Lower Upper
88 100
43 46.6 33.7 50.5
58 63.8 49.1 73.7

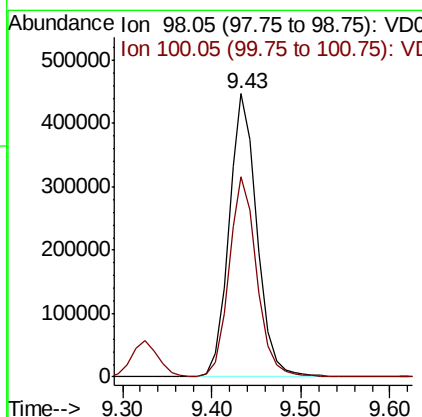
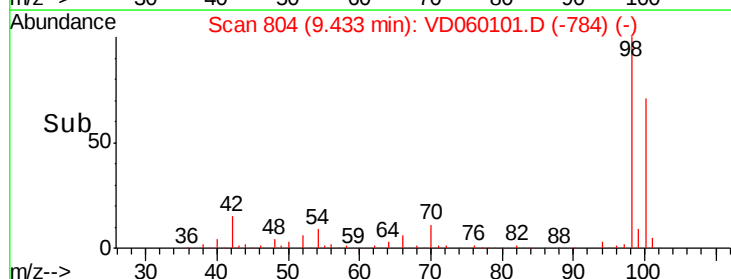
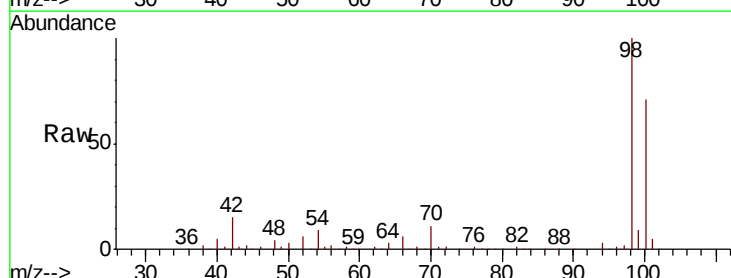
Manual Integrations
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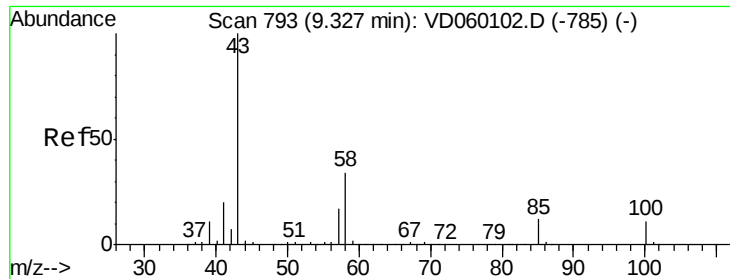
apatel
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#50
Toluene-d8
Concen: 385.411 ug/l
RT: 9.43 min Scan# 804
Delta R.T. -0.00 min
Lab File: VD060101.D
Acq: 1 Oct 2018 17:21

Tgt Ion: 98 Resp: 978736
Ion Ratio Lower Upper
98 100
100 70.7 55.4 83.0





#51

4-Methyl-2-Pentanone

Concen: 87.694 ug/l

RT: 9.33 min Scan# 793

Delta R.T. -0.00 min

Lab File: VD060101.D

Acq: 1 Oct 2018 17:21

Instrument :

MSVOA_D

ClientSampleId :

VSTDIC020

Tot Ion: 43 Resp: 1206690

Ion Ratio Lower Upper

43 100

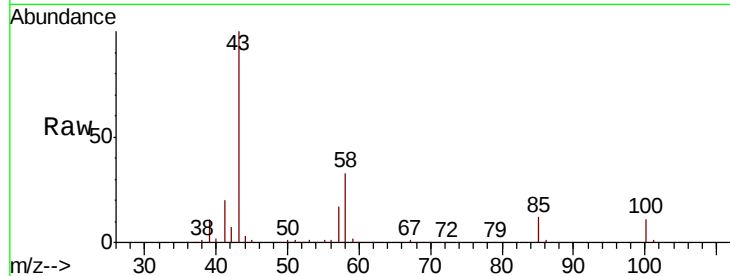
58 33.2 27.2 40.8

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Abundance Ion 42.95 (42.65 to 43.65): VDC

Ion 57.95 (57.65 to 58.65): VDC

9.33

600000

500000

400000

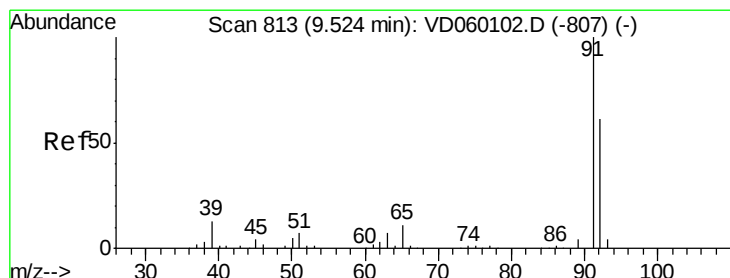
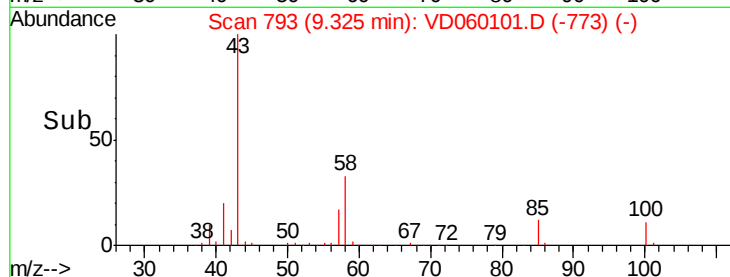
300000

200000

100000

0

Time-->



#52

Toluene

Concen: 20.255 ug/l

RT: 9.53 min Scan# 814

Delta R.T. 0.01 min

Lab File: VD060101.D

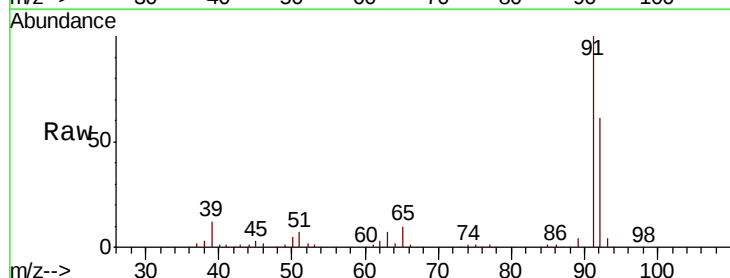
Acq: 1 Oct 2018 17:21

Tgt Ion: 92 Resp: 731383

Ion Ratio Lower Upper

92 100

91 164.1 131.9 197.9



Abundance Ion 92.00 (91.70 to 92.70): VDC

Ion 91.00 (90.70 to 91.70): VDC

9.53

600000

500000

400000

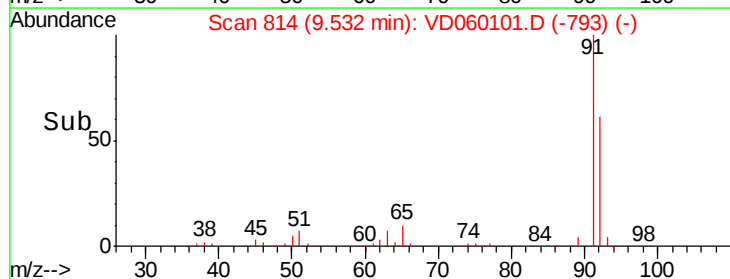
300000

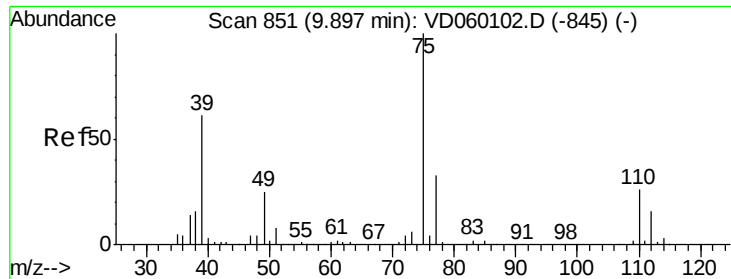
200000

100000

0

Time-->





#53

t-1,3-Dichloropropene

Concen: 18.543 ug/l

RT: 9.90 min Scan# 851

Delta R.T. -0.00 min

Lab File: VD060101.D

Acq: 1 Oct 2018 17:21

Tot Ion: 75 Resp: 364395

Ion Ratio Lower Upper

75 100

77 32.1 26.2 39.2

Instrument :

MSVOA_D

ClientSampleId :

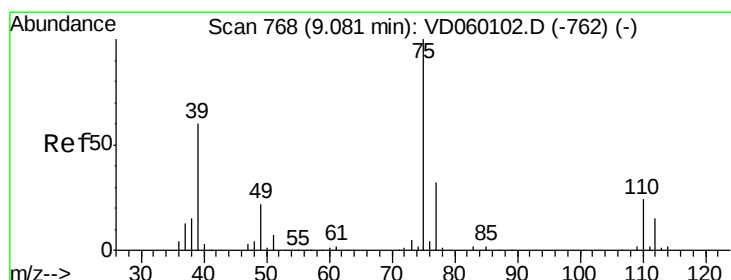
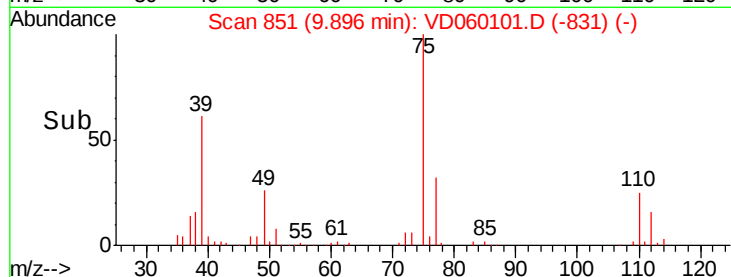
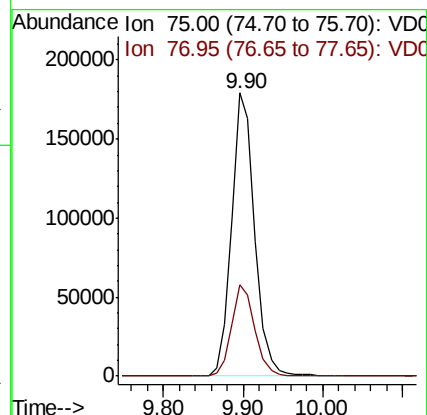
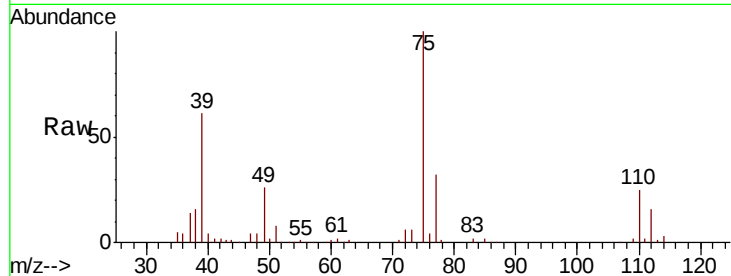
VSTDIC020

Manual Integrations

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#54

cis-1,3-Dichloropropene

Concen: 19.467 ug/l

RT: 9.08 min Scan# 768

Delta R.T. -0.00 min

Lab File: VD060101.D

Acq: 1 Oct 2018 17:21

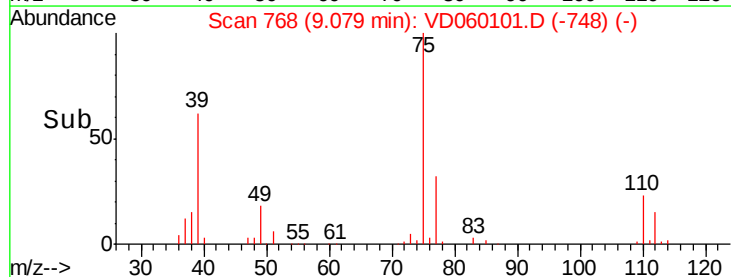
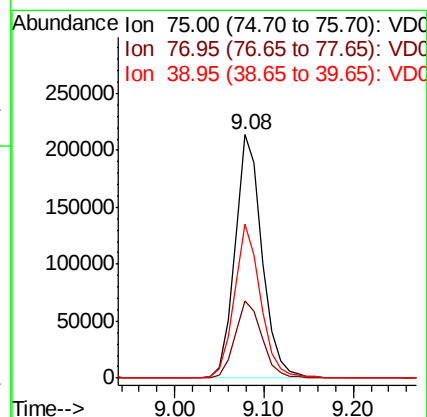
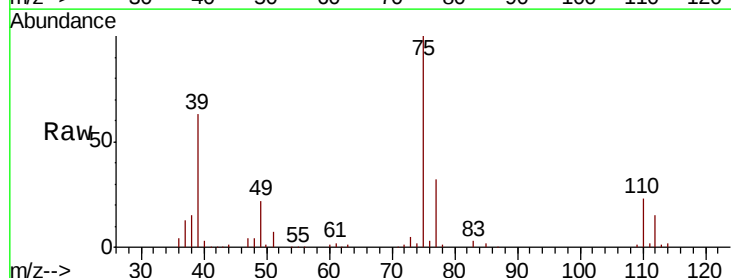
Tgt Ion: 75 Resp: 456456

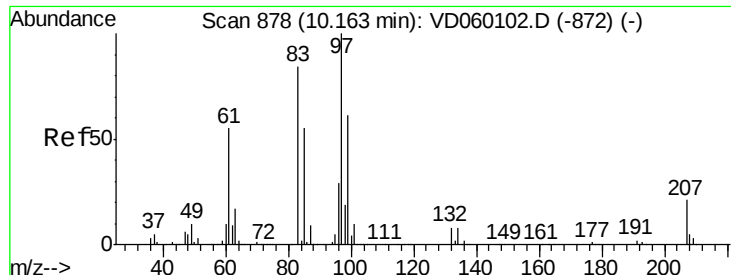
Ion Ratio Lower Upper

75 100

77 31.6 25.7 38.5

39 63.2 48.2 72.4





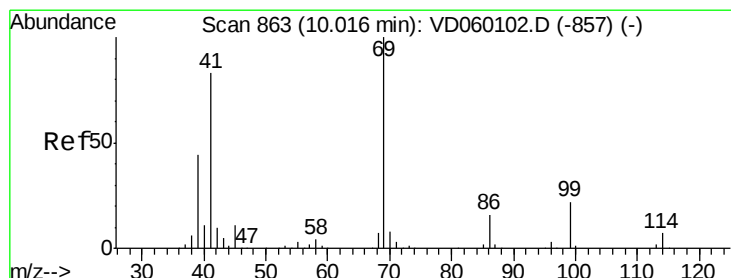
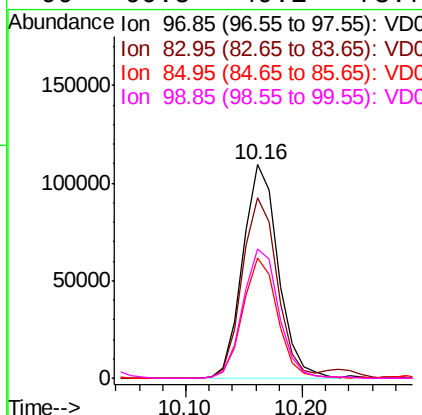
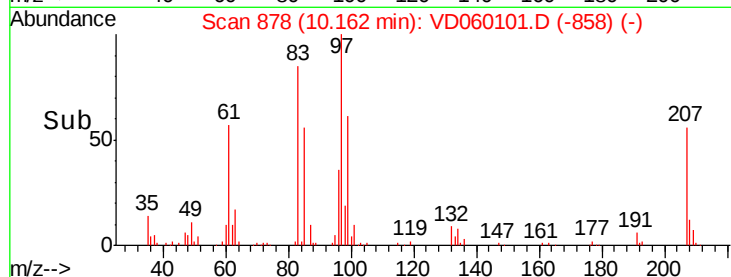
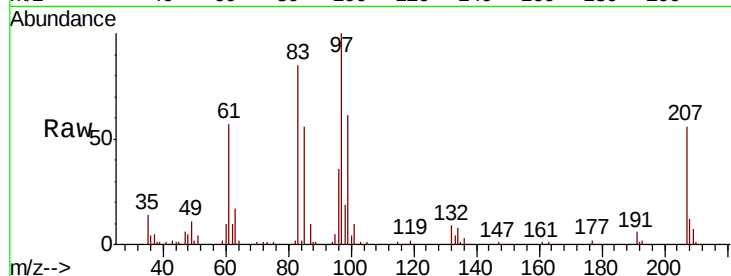
#55
 1,1,2-Trichloroethane
 Concen: 18.433 ug/l
 RT: 10.16 min Scan# 878
 Delta R.T. -0.00 min
 Lab File: VD060101.D
 Acq: 1 Oct 2018 17:21

Instrument :
 MSVOA_D
 ClientSampleId :
 VSTDIC020

Tot Ion:	97	Resp:	230849
Ion	Ratio	Lower	Upper
97	100		
83	84.6	67.0	100.6
85	56.5	43.9	65.9
99	60.5	49.1	73.7

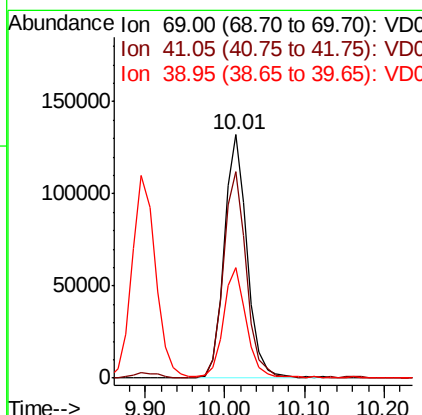
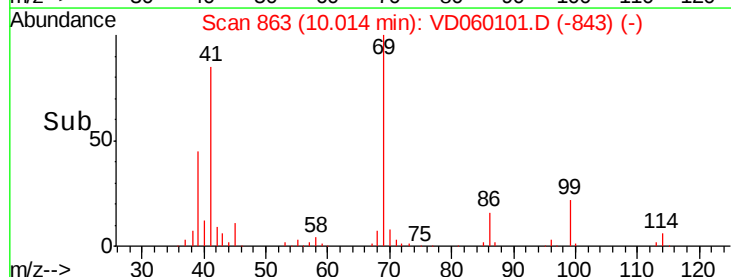
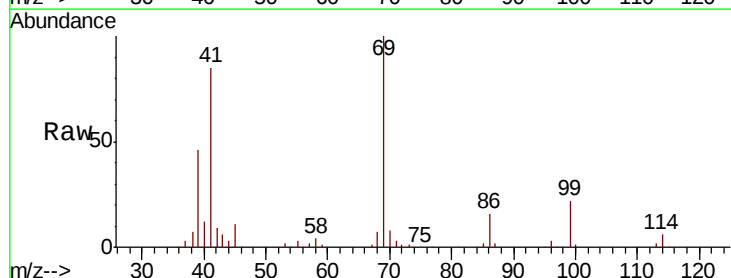
Manual Integrations
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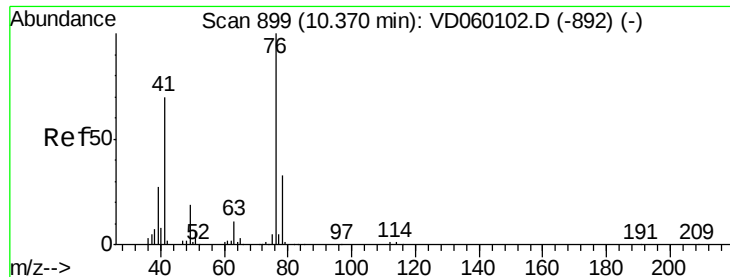
apatel
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#56
 Ethyl methacrylate
 Concen: 19.327 ug/l
 RT: 10.01 min Scan# 863
 Delta R.T. -0.00 min
 Lab File: VD060101.D
 Acq: 1 Oct 2018 17:21

Tgt Ion:	69	Resp:	266810
Ion	Ratio	Lower	Upper
69	100		
41	85.0	66.6	100.0
39	45.6	36.0	54.0





#57

1,3-Dichloropropane

Concen: 19.312 ug/l

RT: 10.37 min Scan# 899

Delta R.T. -0.00 min

Lab File: VD060101.D

Acq: 1 Oct 2018 17:21

Instrument :

MSVOA_D

ClientSampleId :

VSTDIC020

Tot Ion: 76 Resp: 356195

Ion Ratio Lower Upper

76 100

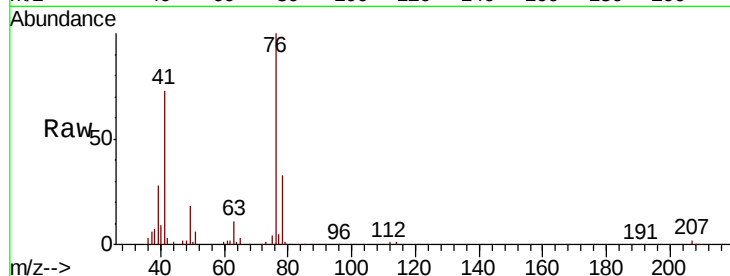
78 32.9 26.2 39.2

Manual Integrations

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Abundance Ion 75.95 (75.65 to 76.65): VDC

Ion 77.95 (77.65 to 78.65): VDC

10.37

200000

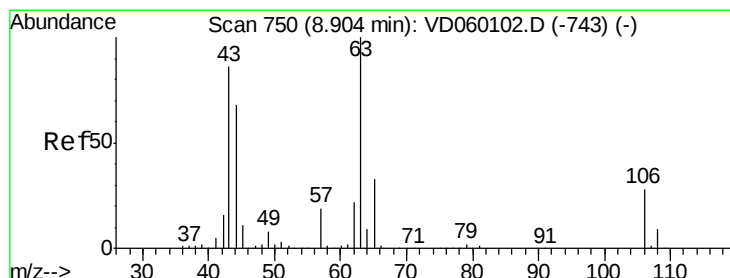
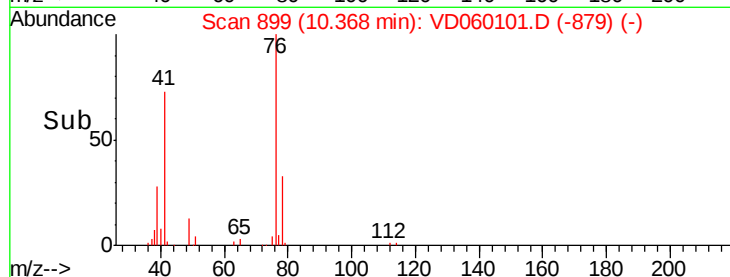
150000

100000

50000

0

Time-->



#58

2-Chloroethyl Vinyl ether

Concen: 110.371 ug/l

RT: 8.90 min Scan# 750

Delta R.T. -0.00 min

Lab File: VD060101.D

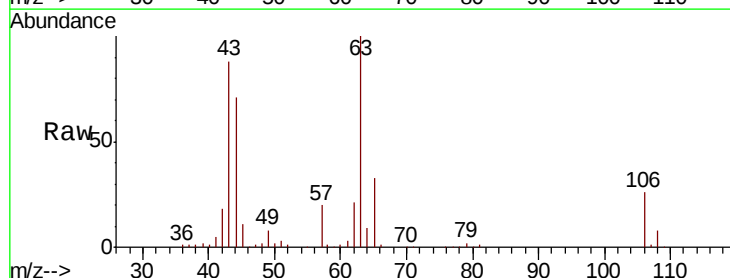
Acq: 1 Oct 2018 17:21

Tgt Ion: 63 Resp: 751345

Ion Ratio Lower Upper

63 100

106 26.4 22.6 34.0



Abundance Ion 62.95 (62.65 to 63.65): VDC

Ion 105.95 (105.65 to 106.65): V

8.90

400000

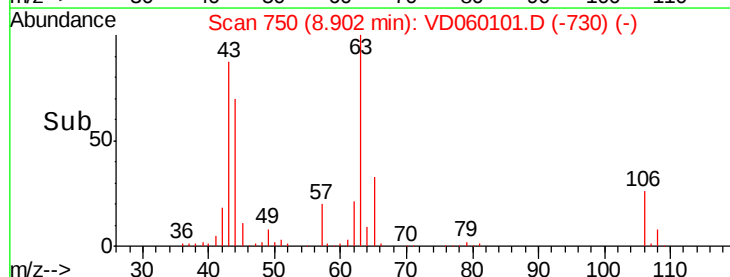
300000

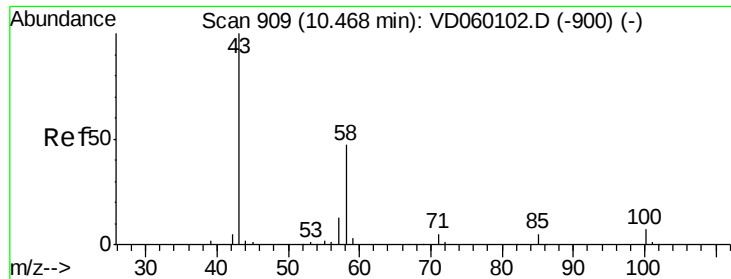
200000

100000

0

Time-->





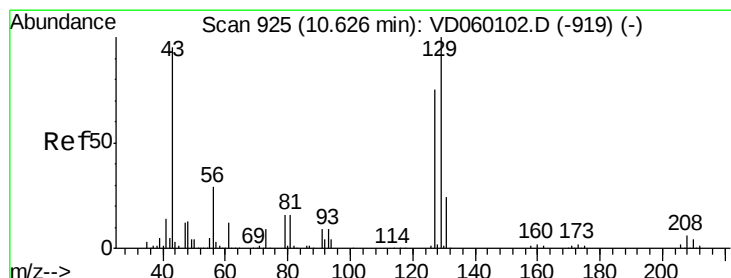
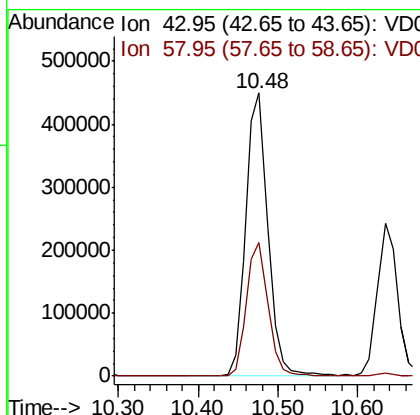
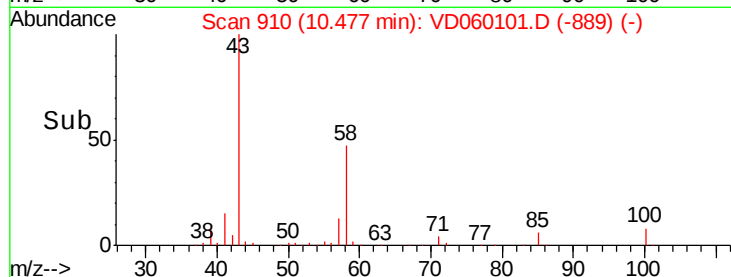
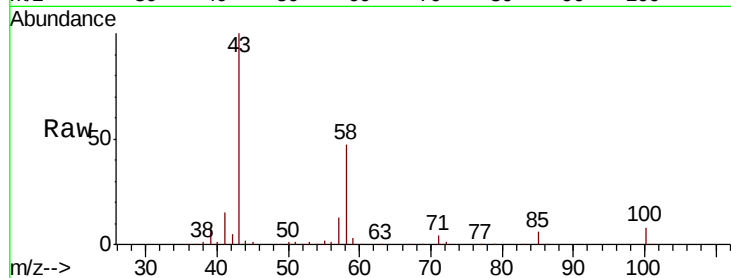
#59
2-Hexanone
Concen: 86.022 ug/l
RT: 10.48 min Scan# 910
Delta R.T. 0.01 min
Lab File: VD060101.D
Acq: 1 Oct 2018 17:21

Instrument :
MSVOA_D
ClientSampleId :
VSTDIC020

Tot Ion: 43 Resp: 854159
Ion Ratio Lower Upper
43 100
58 47.1 23.3 69.9

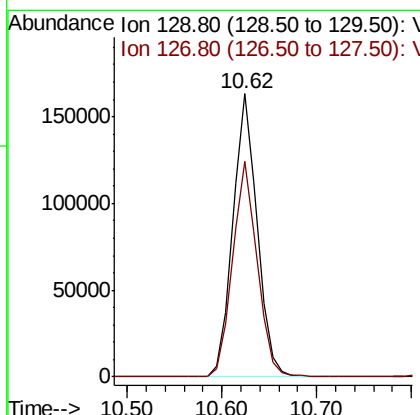
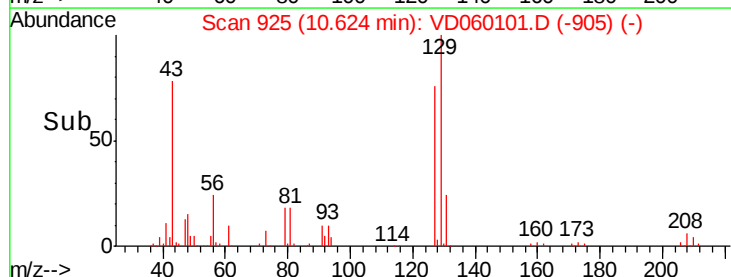
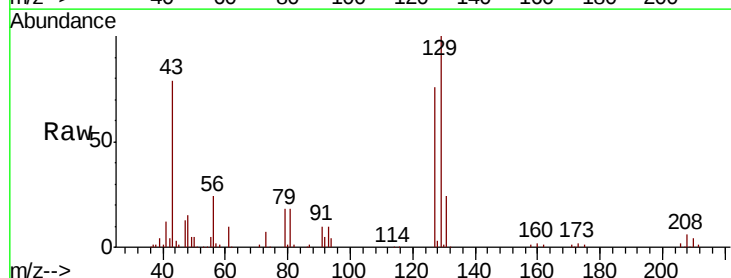
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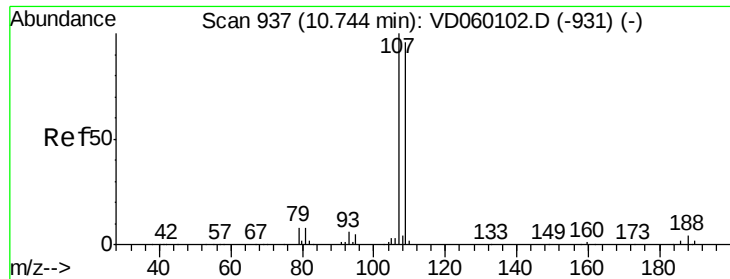
apatel
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#60
Dibromochloromethane
Concen: 19.117 ug/l
RT: 10.62 min Scan# 925
Delta R.T. -0.00 min
Lab File: VD060101.D
Acq: 1 Oct 2018 17:21

Tgt Ion: 129 Resp: 288851
Ion Ratio Lower Upper
129 100
127 76.2 37.4 112.2





#61

1,2-Dibromoethane

Concen: 19.319 ug/l

RT: 10.74 min Scan# 937

Delta R.T. -0.00 min

Lab File: VD060101.D

Acq: 1 Oct 2018 17:21

Instrument :

MSVOA_D

ClientSampleId :

VSTDIC020

Tot Ion: 107 Resp: 249728

Ion Ratio Lower Upper

107 100

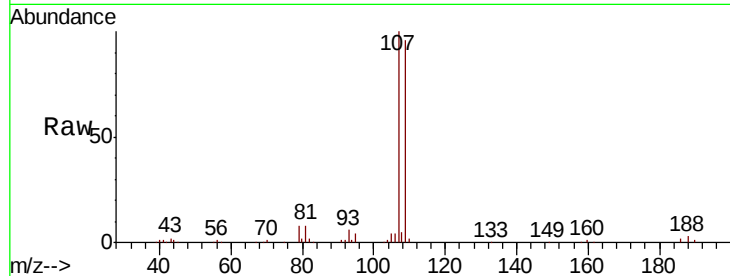
109 95.9 77.1 115.7

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Abundance Ion 106.90 (106.60 to 107.60): V

Ion 108.90 (108.60 to 109.60): V

150000

100000

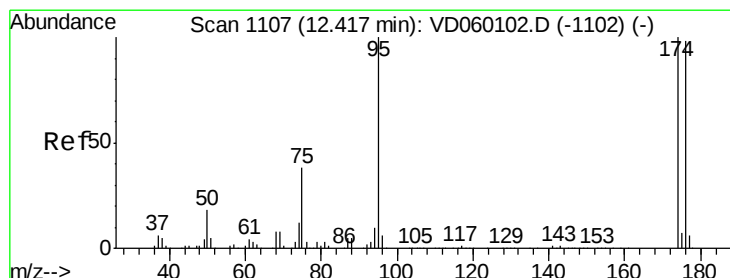
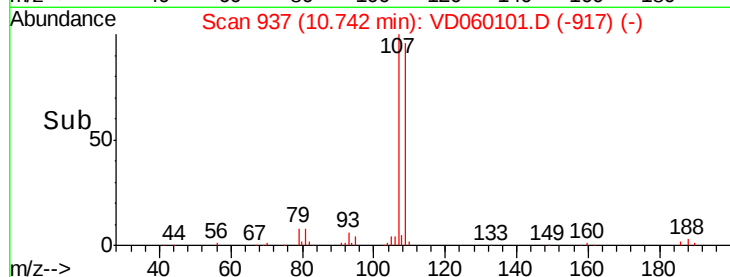
50000

0

10.74

10.70 10.80 10.90

Time-->



#62

4-Bromofluorobenzene

Concen: 19.319 ug/l

RT: 12.42 min Scan# 1107

Delta R.T. -0.00 min

Lab File: VD060101.D

Acq: 1 Oct 2018 17:21

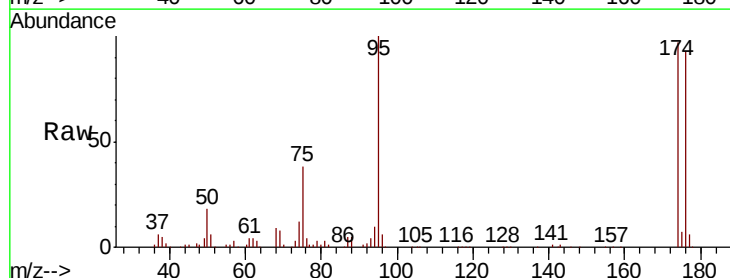
Tgt Ion: 95 Resp: 370897

Ion Ratio Lower Upper

95 100

174 97.0 0.0 200.2

176 92.9 0.0 195.6



Abundance Ion 95.00 (94.70 to 95.70): V

Ion 173.90 (173.60 to 174.60): V

Ion 175.90 (175.60 to 176.60): V

300000

200000

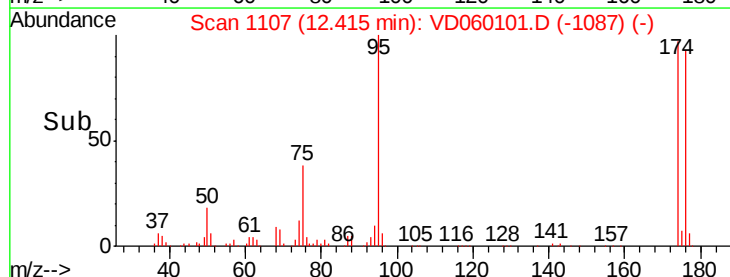
100000

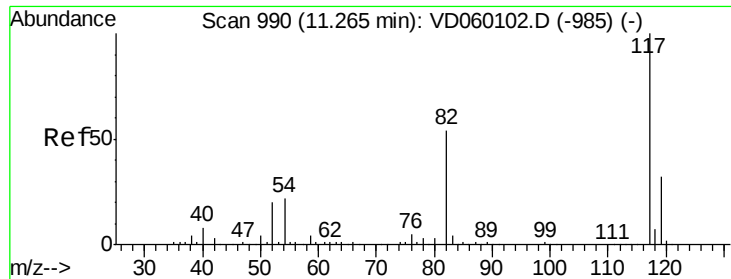
0

12.42

12.30 12.40 12.50

Time-->





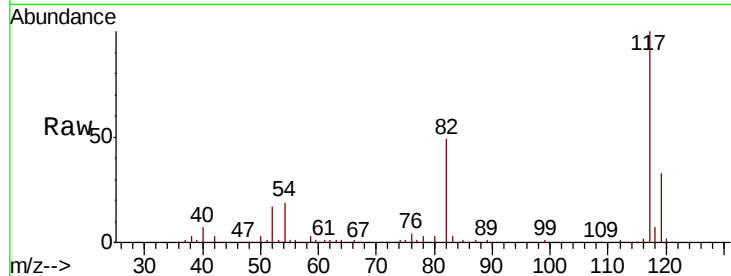
#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 11.27 min Scan# 991
Delta R.T. 0.01 min
Lab File: VD060101.D
Acq: 1 Oct 2018 17:21

Instrument :
MSVOA_D
ClientSampleId :
VSTDIC020

Tot Ion	Ratio	Lower	Upper
117	100		
82	49.5	43.4	65.2
119	33.1	26.0	39.0

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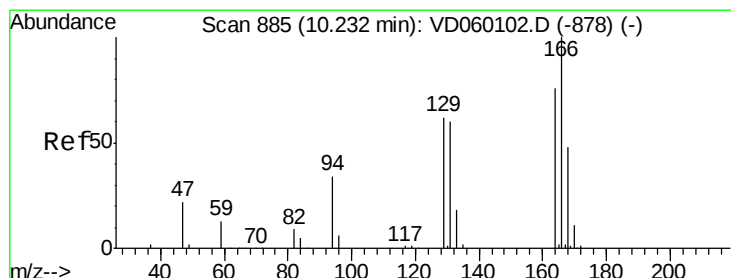
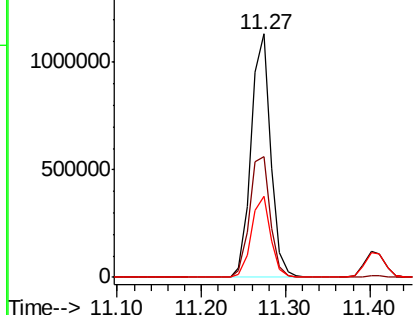
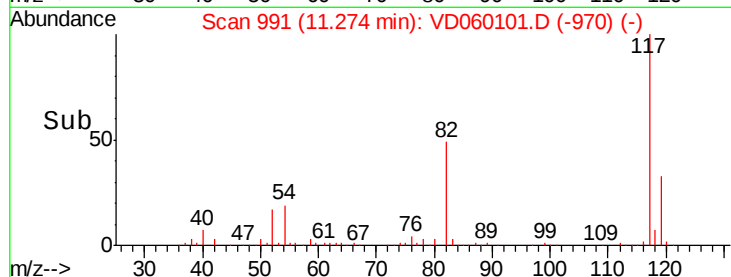


Abundance

Ion 116.95 (116.65 to 117.65): V

Ion 82.05 (81.75 to 82.75): V

Ion 118.95 (118.65 to 119.65): V



#64
Tetrachloroethene
Concen: 19.645 ug/l
RT: 10.23 min Scan# 885
Delta R.T. -0.00 min
Lab File: VD060101.D
Acq: 1 Oct 2018 17:21

Tgt Ion	Ratio	Lower	Upper
164	100		
166	124.1	105.4	158.0
129	79.4	65.7	98.5
131	76.2	62.9	94.3

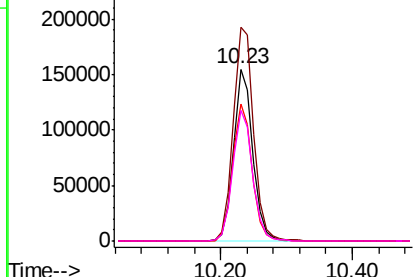
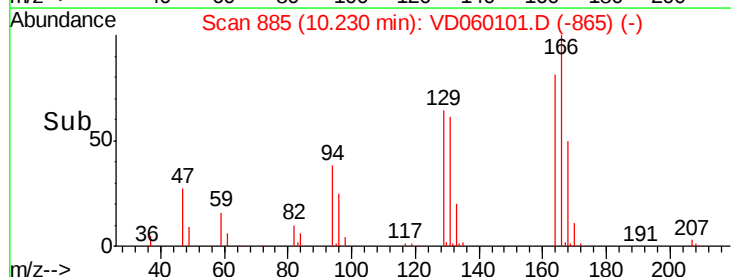
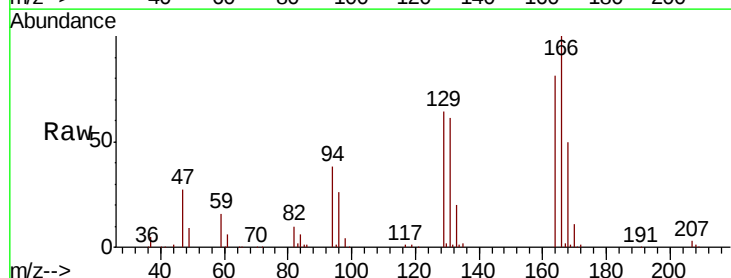
Abundance

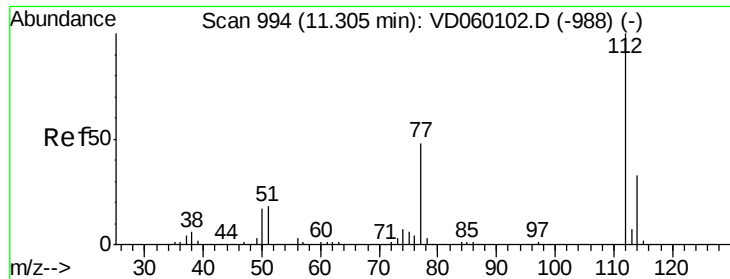
Ion 163.85 (163.55 to 164.55): V

Ion 165.85 (165.55 to 166.55): V

Ion 128.80 (128.50 to 129.50): V

Ion 130.80 (130.50 to 131.50): V





#65

Chlorobenzene

Concen: 19.896 ug/l

RT: 11.30 min Scan# 994

Delta R.T. -0.00 min

Lab File: VD060101.D

Acq: 1 Oct 2018 17:21

Instrument :

MSVOA_D

ClientSampleId :

VSTDIC020

Tot Ion:112 Resp: 783442

Ion Ratio Lower Upper

112 100

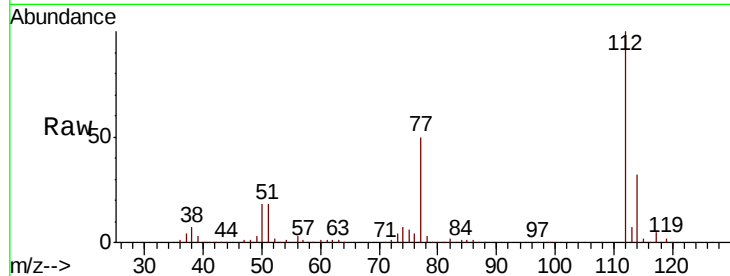
114 32.3 26.0 39.0

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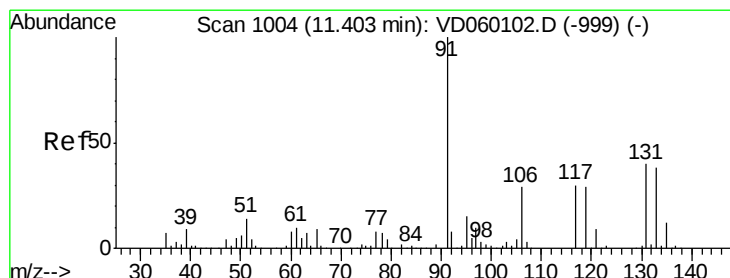
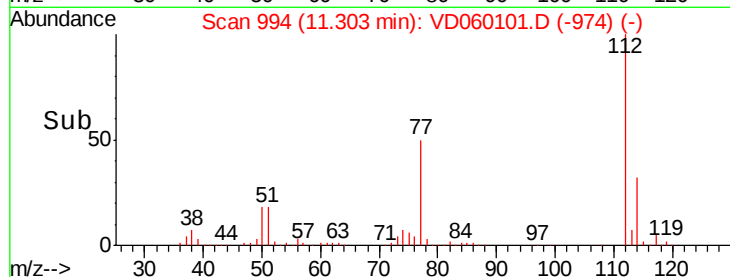
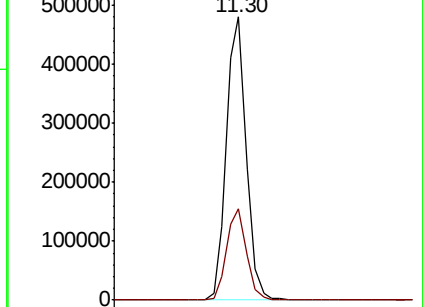
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Abundance Ion 111.90 (111.60 to 112.60): V

Ion 114.00 (113.70 to 114.70): V



#66

1,1,1,2-Tetrachloroethane

Concen: 20.847 ug/l

RT: 11.40 min Scan# 1004

Delta R.T. -0.00 min

Lab File: VD060101.D

Acq: 1 Oct 2018 17:21

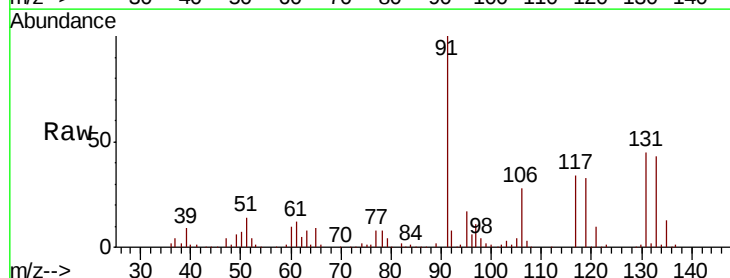
Tgt Ion:131 Resp: 276179

Ion Ratio Lower Upper

131 100

133 95.5 47.4 142.3

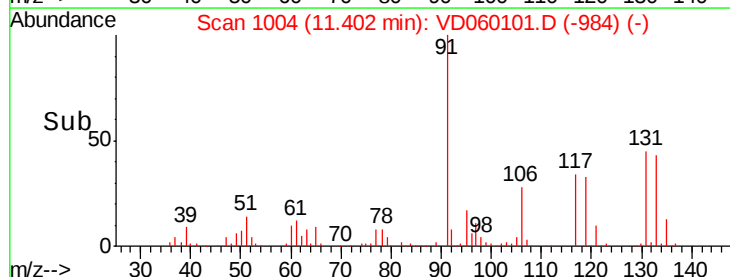
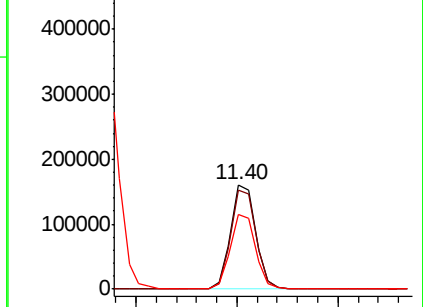
119 72.1 36.1 108.3

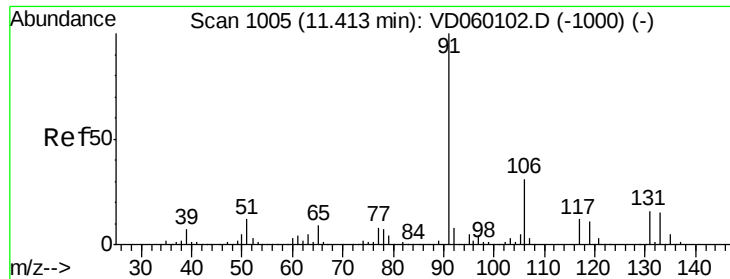


Abundance Ion 130.90 (130.60 to 131.60): V

Ion 132.90 (132.60 to 133.60): V

Ion 118.85 (118.55 to 119.55): V





#67

Ethyl Benzene

Concen: 21.420 ug/l

RT: 11.41 min Scan# 1005

Delta R.T. -0.00 min

Lab File: VD060101.D

Acq: 1 Oct 2018 17:21

Instrument :

MSVOA_D

ClientSampleID :

VSTDIC020

Tot Ion: 91 Resp: 1354333

Ion Ratio Lower Upper

91 100

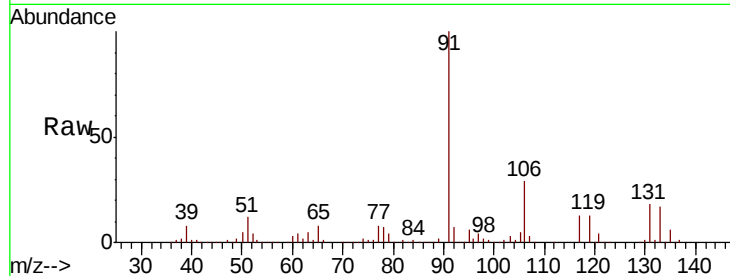
106 29.2 24.4 36.6

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Abundance Ion 91.00 (90.70 to 91.70): VD060101.D (-985) (-)

Ion 106.05 (105.75 to 106.75): VD060101.D (-985) (-)

1200000

1000000

800000

600000

400000

200000

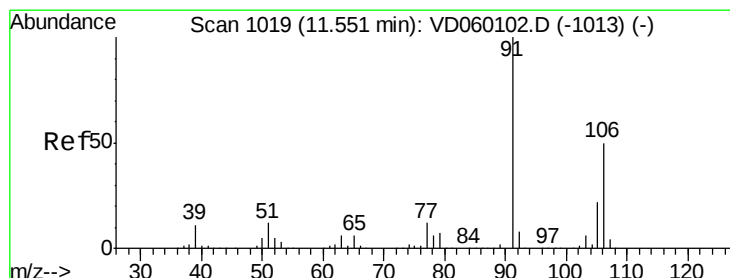
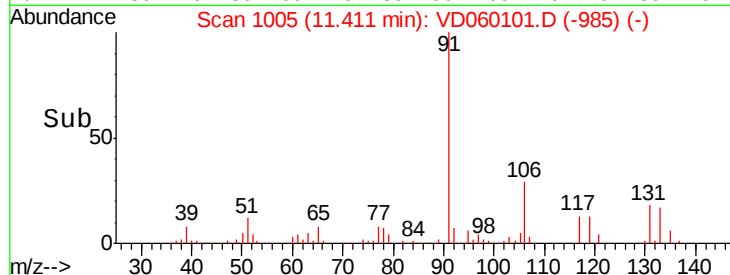
0

11.30

11.40

11.50

Time-->



#68

m/p-Xylenes

Concen: 42.964 ug/l

RT: 11.55 min Scan# 1019

Delta R.T. -0.00 min

Lab File: VD060101.D

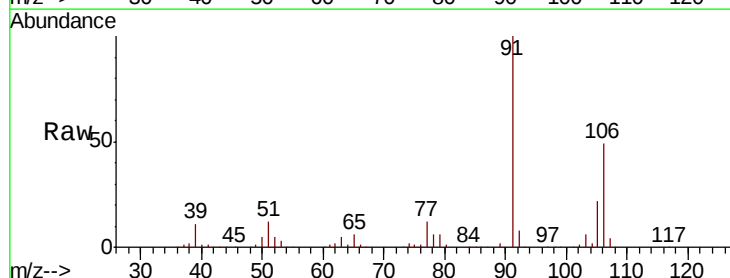
Acq: 1 Oct 2018 17:21

Tgt Ion: 106 Resp: 1000476

Ion Ratio Lower Upper

106 100

91 205.4 160.0 240.0



Abundance Ion 106.05 (105.75 to 106.75): VD060101.D (-999) (-)

Ion 91.00 (90.70 to 91.70): VD060101.D (-999) (-)

1200000

1000000

800000

600000

400000

200000

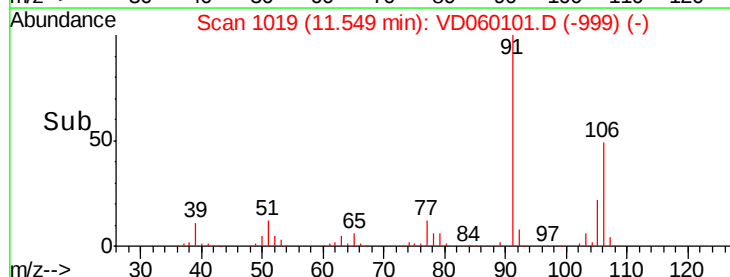
0

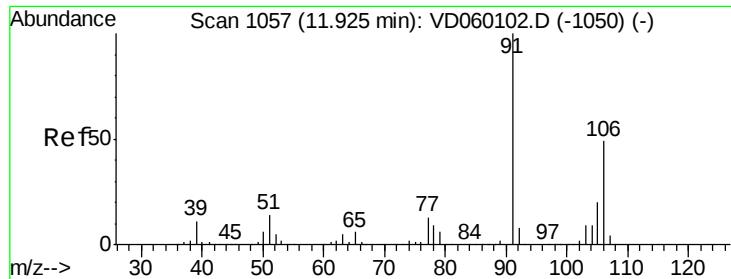
11.50

11.60

11.70

Time-->





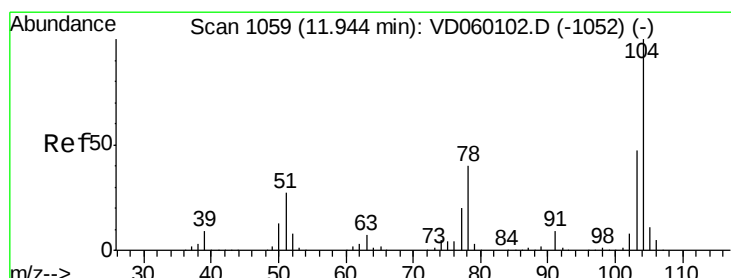
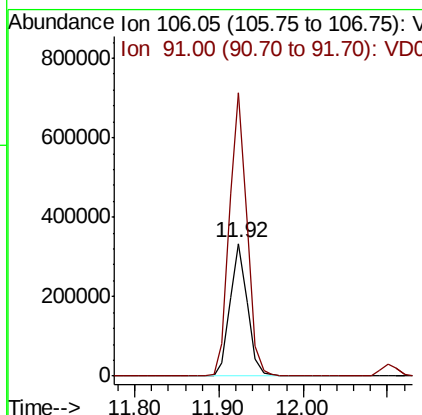
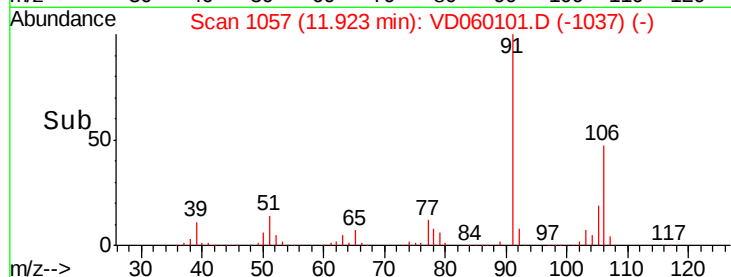
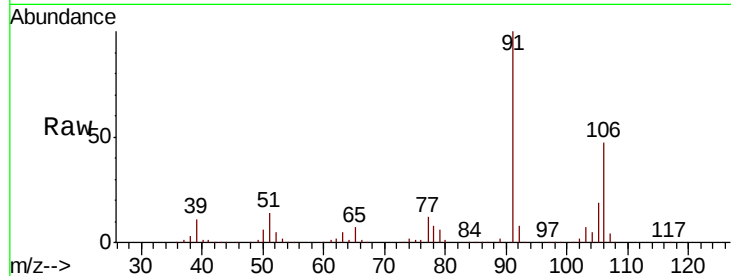
#69
o-Xylene
Concen: 20.641 ug/l
RT: 11.92 min Scan# 1057
Delta R.T. -0.00 min
Lab File: VD060101.D
Acq: 1 Oct 2018 17:21

Instrument :
MSVOA_D
ClientSampleId :
VSTDIC020

Tot Ion:106 Resp: 479349
Ion Ratio Lower Upper
106 100
91 212.9 102.5 307.5

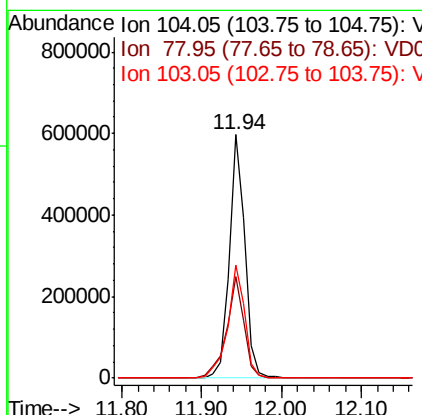
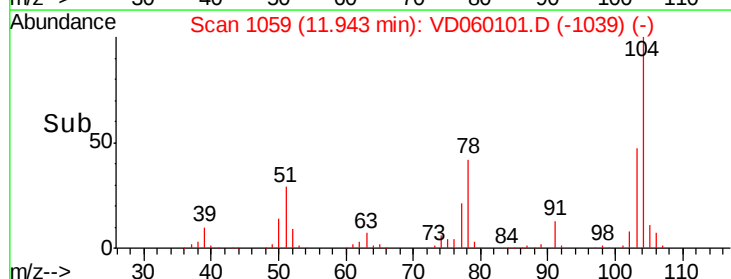
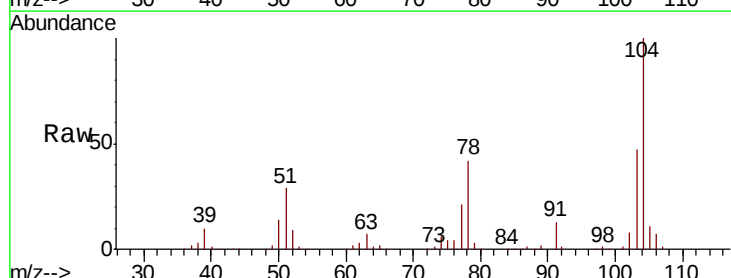
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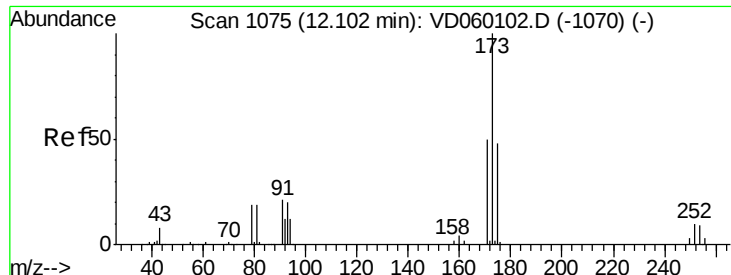
apatel
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#70
Styrene
Concen: 21.052 ug/l
RT: 11.94 min Scan# 1059
Delta R.T. -0.00 min
Lab File: VD060101.D
Acq: 1 Oct 2018 17:21

Tgt Ion:104 Resp: 820908
Ion Ratio Lower Upper
104 100
78 41.8 32.2 48.4
103 46.6 37.4 56.0





#71

Bromoform

Concen: 18.210 ug/l

RT: 12.11 min Scan# 1076

Delta R.T. 0.01 min

Lab File: VD060101.D

Acq: 1 Oct 2018 17:21

Instrument :

MSVOA_D

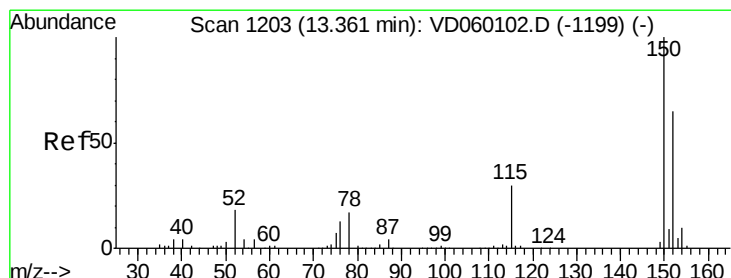
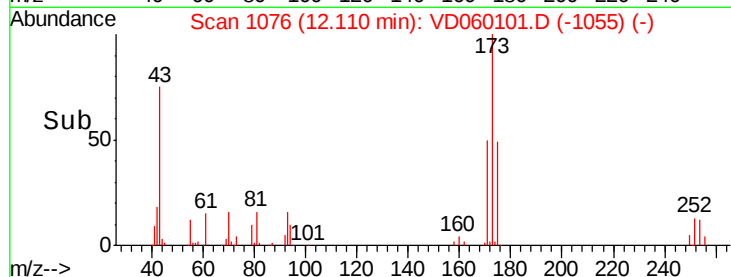
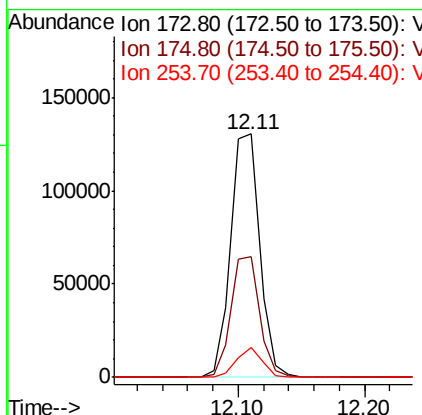
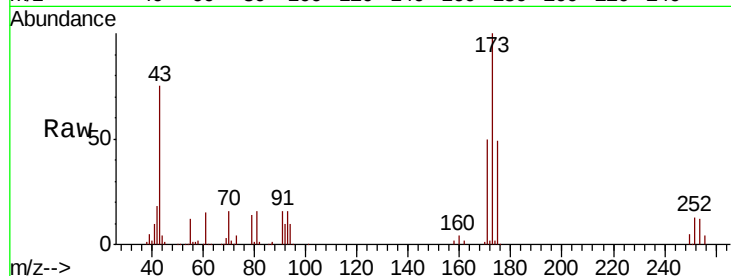
ClientSampleId :

VSTDIC020

Tot Ion	Ratio	Lower	Upper
173	100		
175	49.4	24.1	72.4
254	12.2	7.4	11.0

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#72

1,4-Dichlorobenzene-d4

Concen: 50.000 ug/l

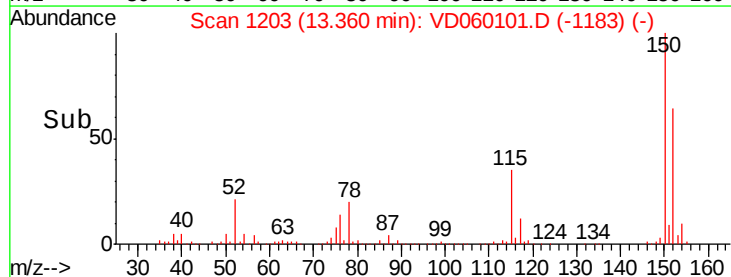
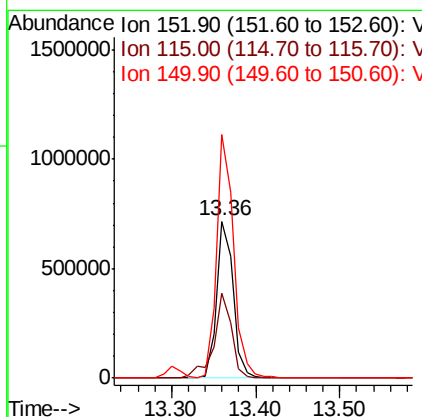
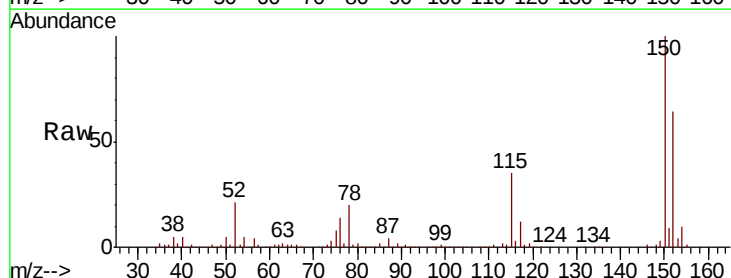
RT: 13.36 min Scan# 1203

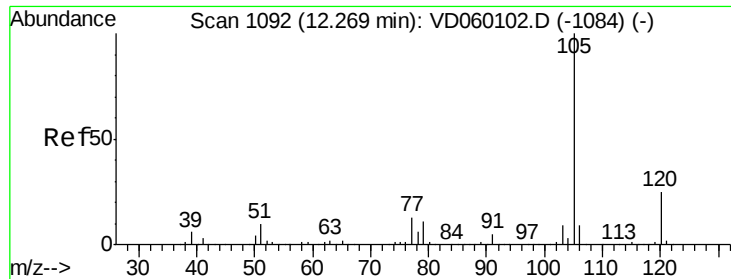
Delta R.T. -0.00 min

Lab File: VD060101.D

Acq: 1 Oct 2018 17:21

Tgt Ion	Ratio	Lower	Upper
152	100		
115	54.2	27.1	81.2
150	155.5	0.0	311.8





#73

Isopropylbenzene

Concen: 20.379 ug/l

RT: 12.27 min Scan# 1092

Delta R.T. -0.00 min

Lab File: VD060101.D

Acq: 1 Oct 2018 17:21

Instrument :

MSVOA_D

ClientSampleID :

VSTDIC020

Tot Ion:105 Resp: 1286995

Ion Ratio Lower Upper

105 100

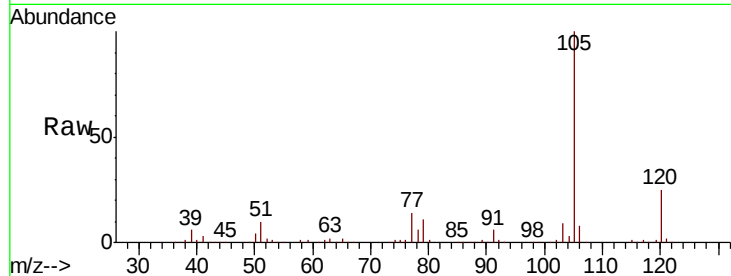
120 24.8 12.6 37.6

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Abundance Ion 105.05 (104.75 to 105.75): V

Ion 120.05 (119.75 to 120.75): V

1000000

800000

600000

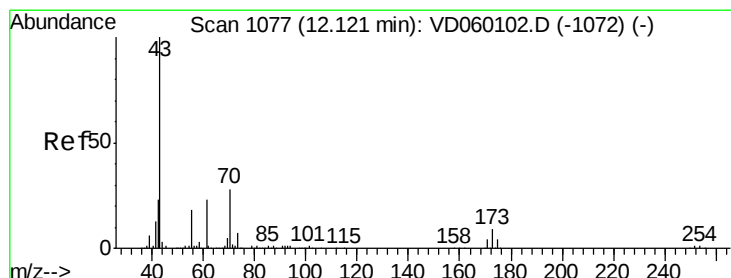
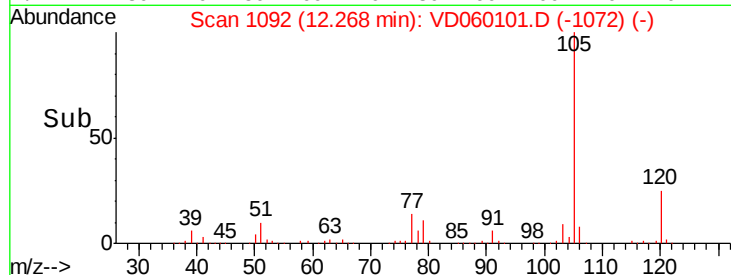
400000

200000

0

12.20 12.27 12.30 12.40

Time-->



#74

N-ethyl acetate

Concen: 18.905 ug/l

RT: 12.12 min Scan# 1077

Delta R.T. -0.00 min

Lab File: VD060101.D

Acq: 1 Oct 2018 17:21

Tgt Ion: 43 Resp: 469901

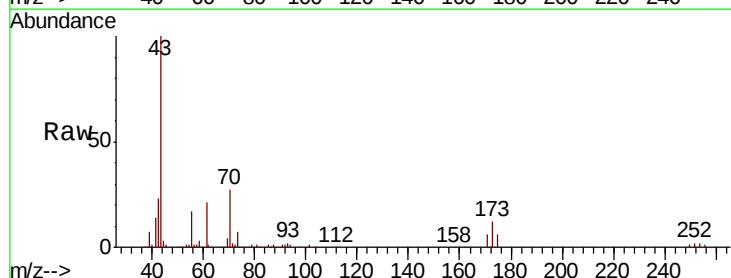
Ion Ratio Lower Upper

43 100

70 26.7 22.1 33.1

55 16.6 14.1 21.1

61 21.0 18.4 27.6



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

500000

400000

300000

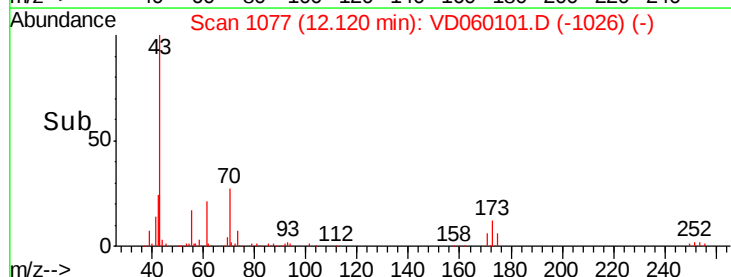
200000

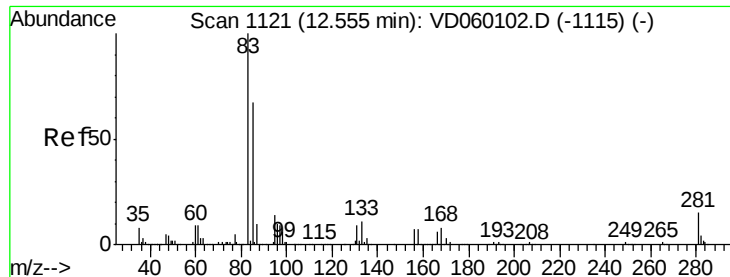
100000

0

12.00 12.12 12.20

Time-->





#75

1,1,2,2-Tetrachloroethane

Concen: 19.569 ug/l

RT: 12.55 min Scan# 1121

Delta R.T. -0.00 min

Lab File: VD060101.D

Acq: 1 Oct 2018 17:21

Instrument :

MSVOA_D

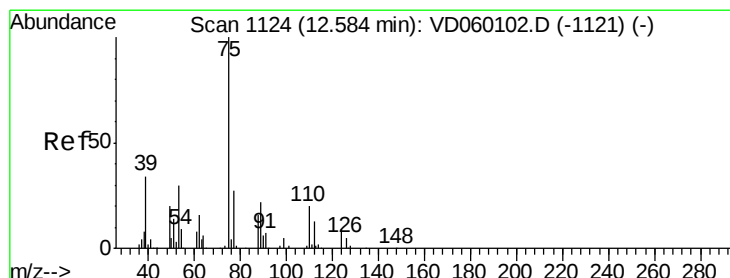
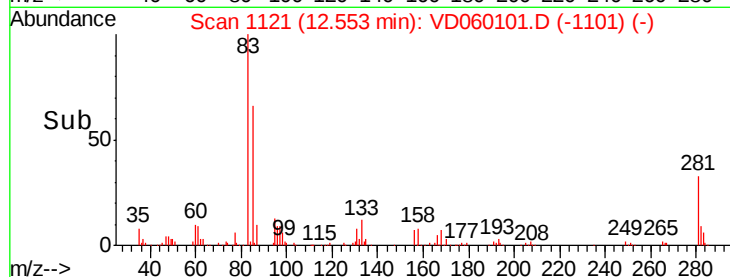
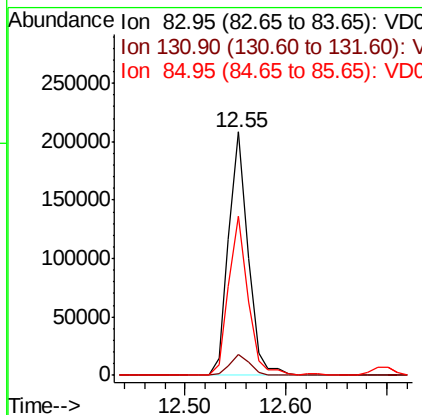
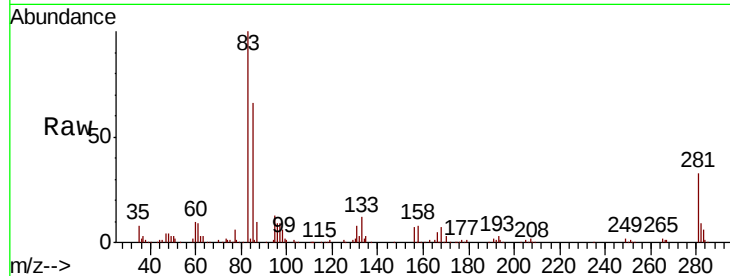
ClientSampleId :

VSTDIC020

Tot Ion:	83	Resp:	280127
Ion Ratio		Lower	Upper
83	100		
131	8.4	4.5	13.4
85	65.6	33.3	99.9

Manual Integrations
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#76

1,2,3-Trichloropropane

Concen: 19.672 ug/l

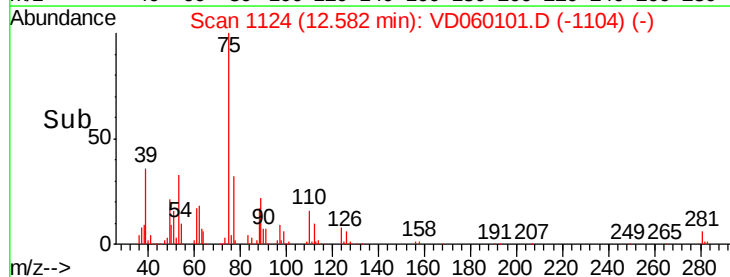
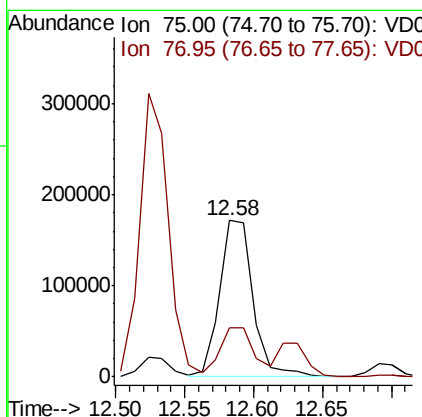
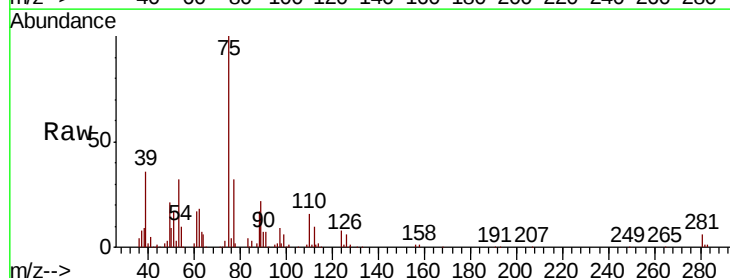
RT: 12.58 min Scan# 1124

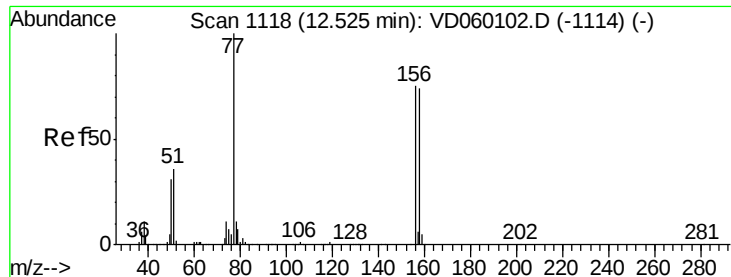
Delta R.T. -0.00 min

Lab File: VD060101.D

Acq: 1 Oct 2018 17:21

Tgt Ion:	75	Resp:	287354
Ion Ratio		Lower	Upper
75	100		
77	31.6	16.3	48.9





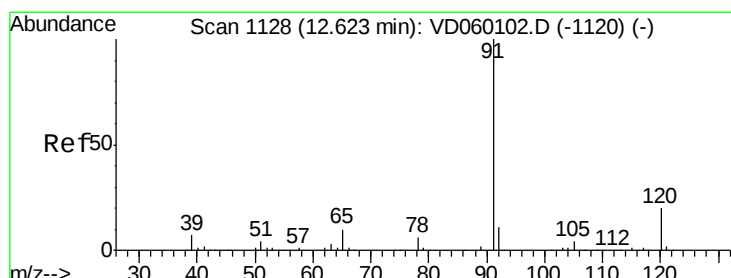
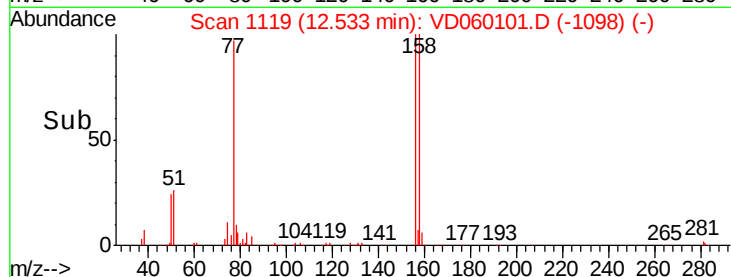
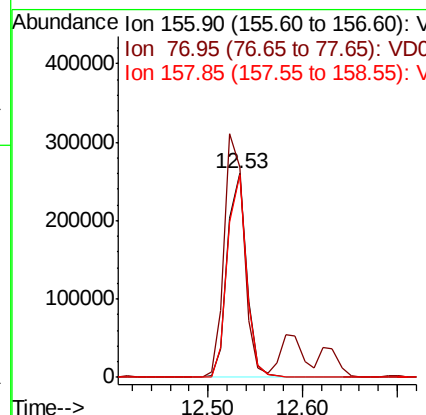
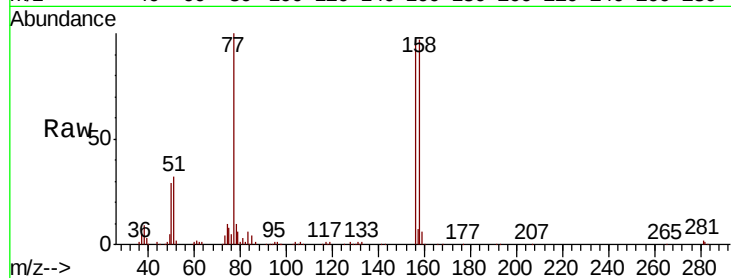
#77
Bromobenzene
Concen: 20.020 ug/l
RT: 12.53 min Scan# 1119
Delta R.T. 0.01 min
Lab File: VD060101.D
Acq: 1 Oct 2018 17:21

Instrument :
MSVOA_D
ClientSampleId :
VSTDIC020

Tot Ion	Ratio	Lower	Upper
156	100		
77	103.2	66.9	200.7
158	99.8	49.1	147.4

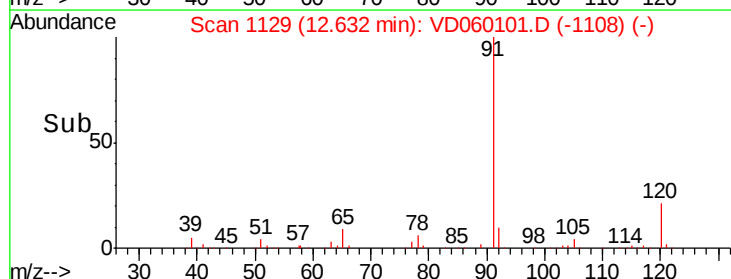
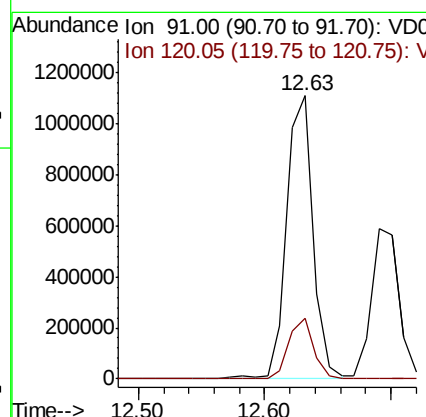
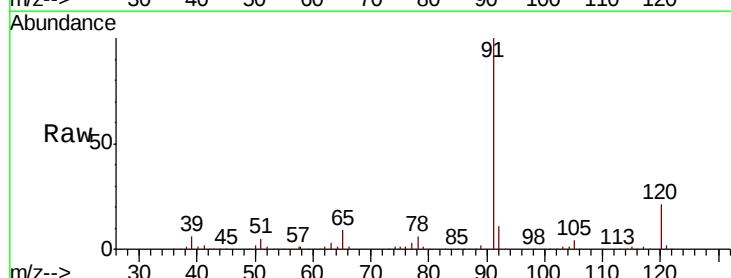
Manual Integrations
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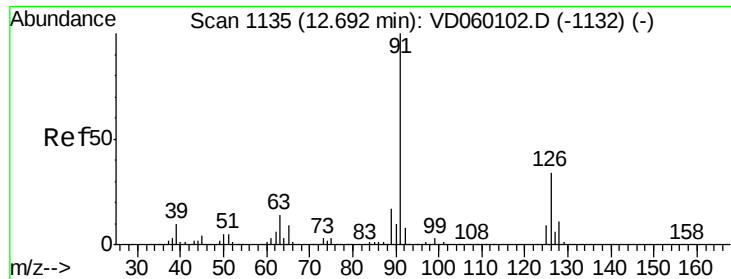
apatel
10/2/2018 12:31:12 PM



#78
n-propylbenzene
Concen: 20.358 ug/l
RT: 12.63 min Scan# 1129
Delta R.T. 0.01 min
Lab File: VD060101.D
Acq: 1 Oct 2018 17:21

Tgt Ion	Ratio	Lower	Upper
91	100		
120	21.5	10.0	30.0





#79

2-Chlorotoluene

Concen: 19.992 ug/l

RT: 12.69 min Scan# 1135

Delta R.T. -0.00 min

Lab File: VD060101.D

Acq: 1 Oct 2018 17:21

Instrument :

MSVOA_D

ClientSampleId :

VSTDIC020

Tot Ion: 91 Resp: 891787

Ion Ratio Lower Upper

91 100

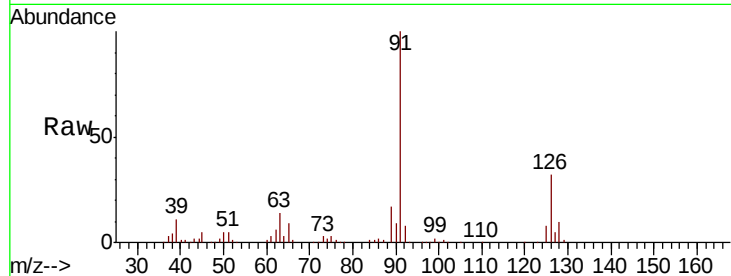
126 31.7 16.8 50.3

Manual Integrations

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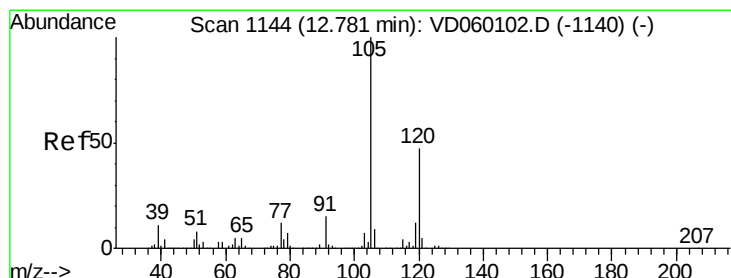
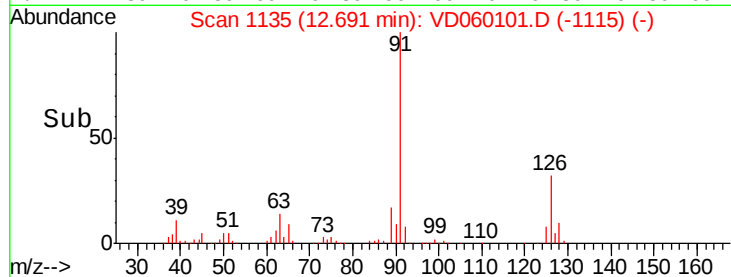
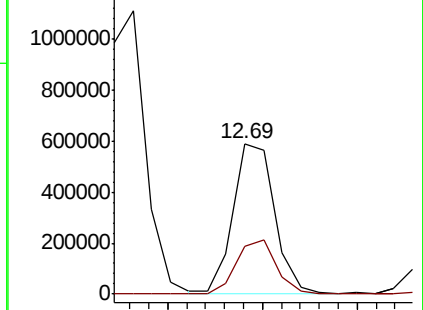
apatel

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Abundance Ion 91.00 (90.70 to 91.70): VD060101.D (-1132) (-)

Ion 125.95 (125.65 to 126.65): VD060101.D (-1132) (-)



#80

1,3,5-Trimethylbenzene

Concen: 21.219 ug/l

RT: 12.78 min Scan# 1144

Delta R.T. -0.00 min

Lab File: VD060101.D

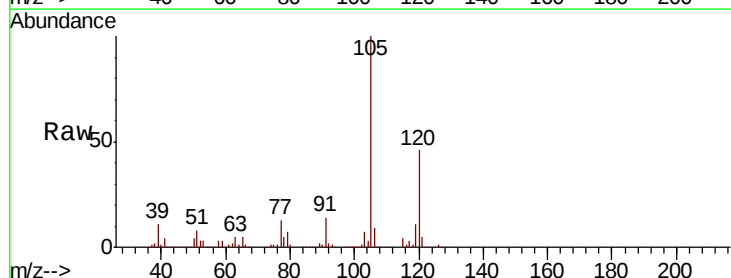
Acq: 1 Oct 2018 17:21

Tgt Ion:105 Resp: 1026617

Ion Ratio Lower Upper

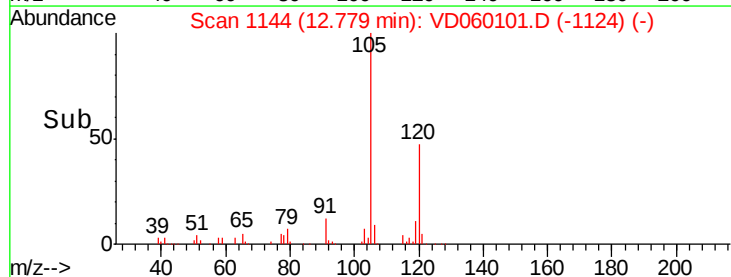
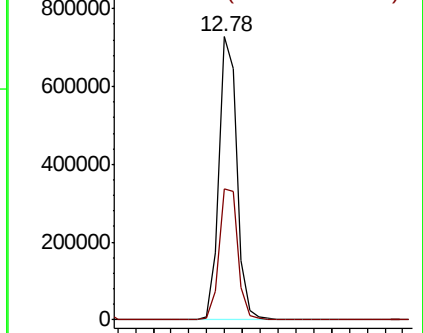
105 100

120 46.5 23.7 71.1



Abundance Ion 105.05 (104.75 to 105.75): VD060101.D (-1140) (-)

Ion 120.05 (119.75 to 120.75): VD060101.D (-1140) (-)





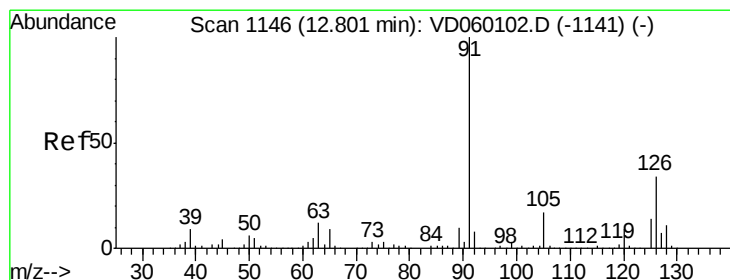
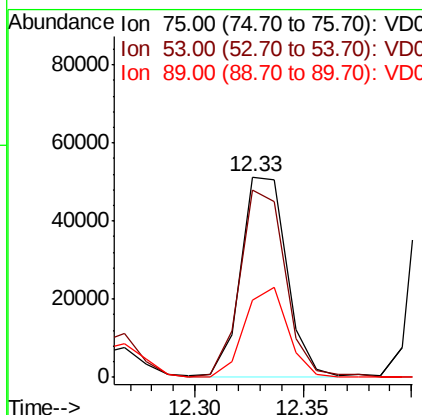
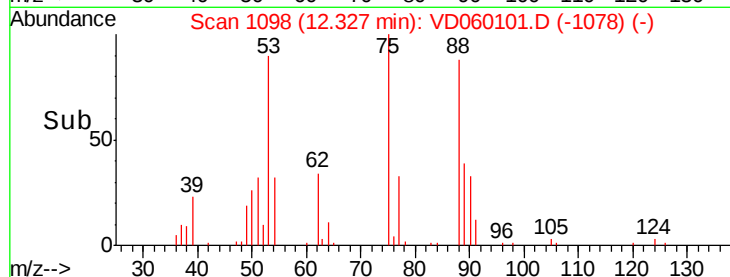
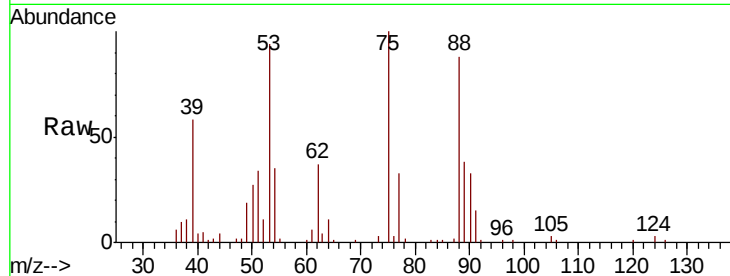
#81
trans-1,4-Dichloro-2-butene
Concen: 17.238 ug/l
RT: 12.33 min Scan# 1098
Delta R.T. -0.00 min
Lab File: VD060101.D
Acq: 1 Oct 2018 17:21

Instrument :
MSVOA_D
ClientSampleId :
VSTDIC020

Tot Ion	Ratio	Lower	Upper
75	100		
53	93.5	73.0	109.6
89	38.5	32.0	48.0

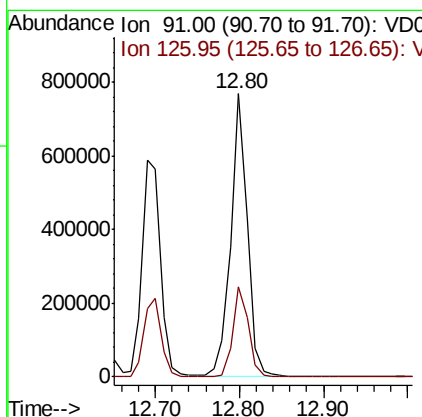
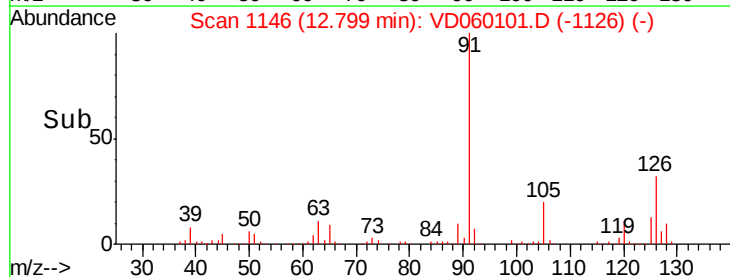
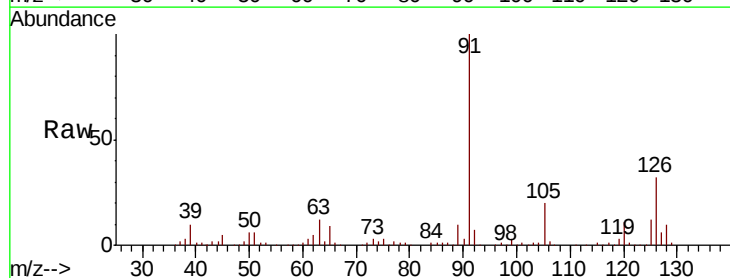
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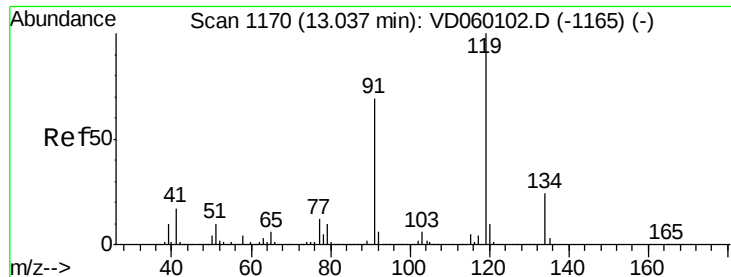
apatel
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#82
4-Chlorotoluene
Concen: 21.416 ug/l
RT: 12.80 min Scan# 1146
Delta R.T. -0.00 min
Lab File: VD060101.D
Acq: 1 Oct 2018 17:21

Tgt Ion	Ratio	Lower	Upper
91	100		
126	31.7	17.1	51.2





#83

tert-Butylbenzene

Concen: 20.688 ug/l

RT: 13.04 min Scan# 1170

Delta R.T. -0.00 min

Lab File: VD060101.D

Acq: 1 Oct 2018 17:21

Instrument :

MSVOA_D

ClientSampleId :

VSTDIC020

Tot Ion:119 Resp: 1162044

Ion Ratio Lower Upper

119 100

91 71.9 34.8 104.4

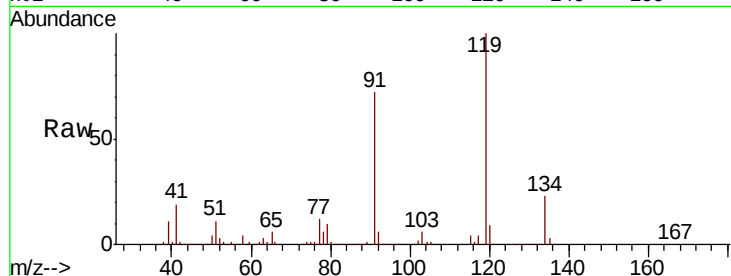
134 23.3 11.8 35.4

Manual Integrations

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Abundance Ion 119.05 (118.75 to 119.75): V

Ion 91.00 (90.70 to 91.70): V

Ion 134.00 (133.70 to 134.70): V

800000

600000

400000

200000

0

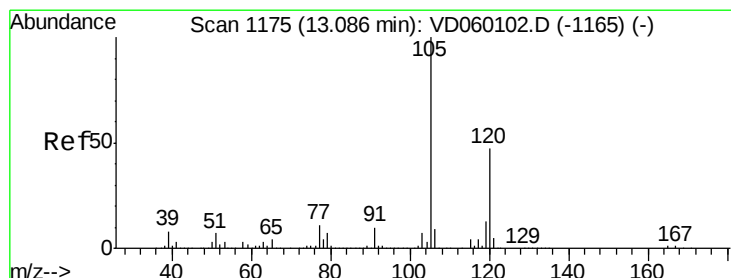
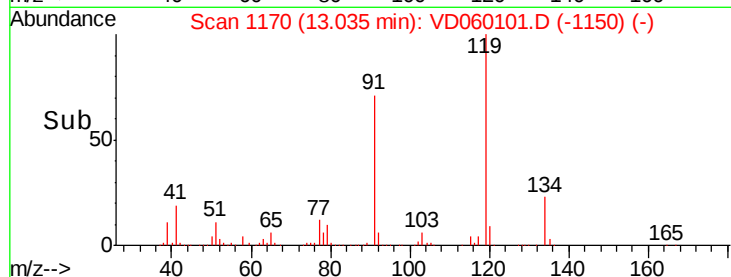
13.04

13.00

13.10

13.20

Time-->



#84

1,2,4-Trimethylbenzene

Concen: 20.966 ug/l

RT: 13.08 min Scan# 1175

Delta R.T. -0.00 min

Lab File: VD060101.D

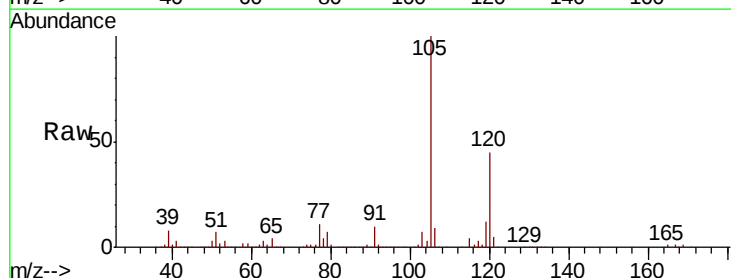
Acq: 1 Oct 2018 17:21

Tgt Ion:105 Resp: 1085807

Ion Ratio Lower Upper

105 100

120 45.4 23.4 70.0



Abundance Ion 105.05 (104.75 to 105.75): V

Ion 120.05 (119.75 to 120.75): V

1200000

1000000

800000

600000

400000

200000

0

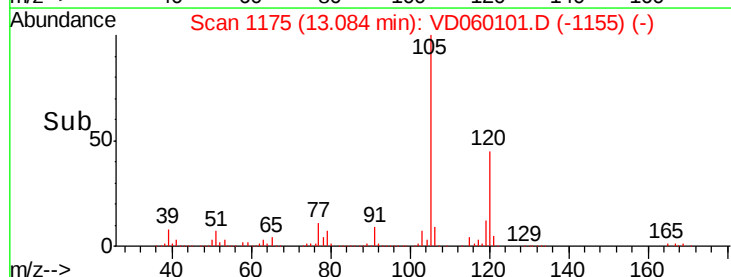
13.08

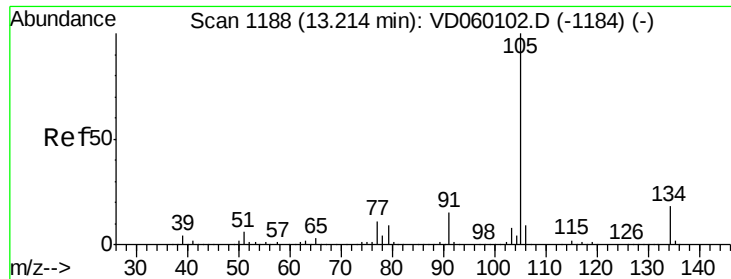
13.00

13.10

13.20

Time-->





#85

sec-Butylbenzene

Concen: 21.271 ug/l

RT: 13.21 min Scan# 1188

Delta R.T. -0.00 min

Lab File: VD060101.D

Acq: 1 Oct 2018 17:21

Instrument :

MSVOA_D

ClientSampleId :

VSTDIC020

Tot Ion:105 Resp: 1409916

Ion Ratio Lower Upper

105 100

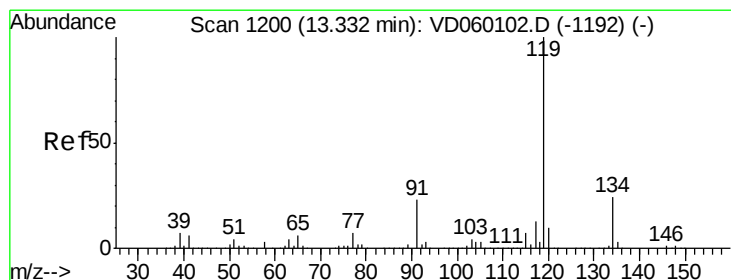
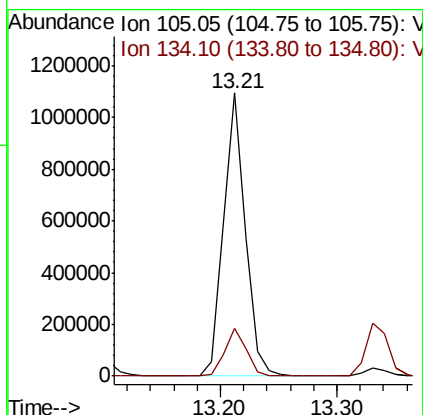
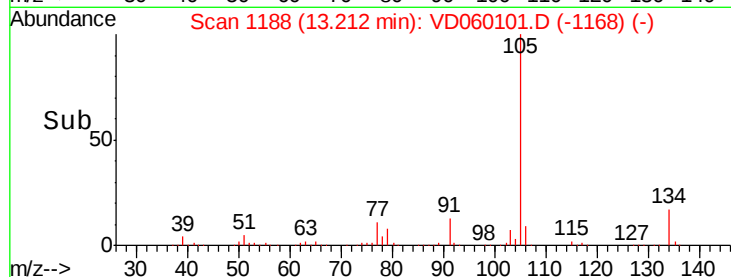
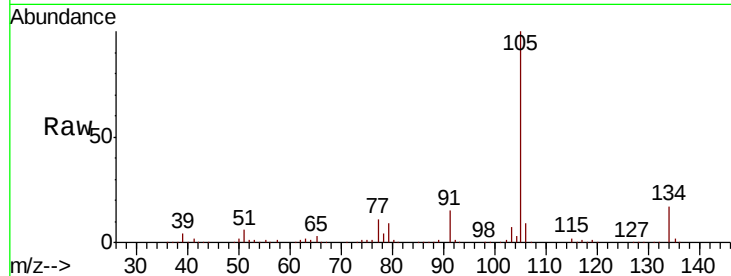
134 17.0 8.8 26.2

Manual Integrations

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#86

p-Isopropyltoluene

Concen: 20.743 ug/l

RT: 13.33 min Scan# 1200

Delta R.T. -0.00 min

Lab File: VD060101.D

Acq: 1 Oct 2018 17:21

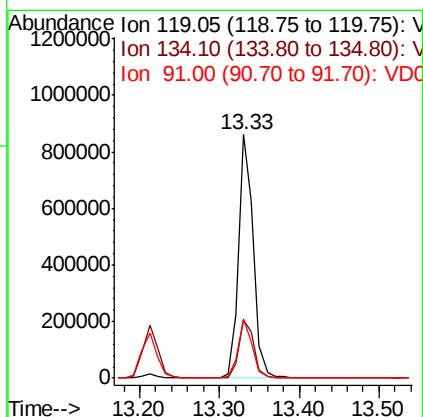
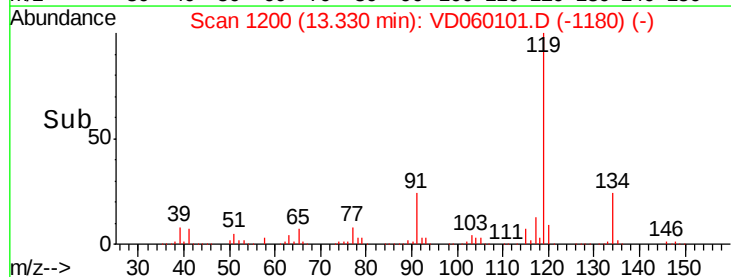
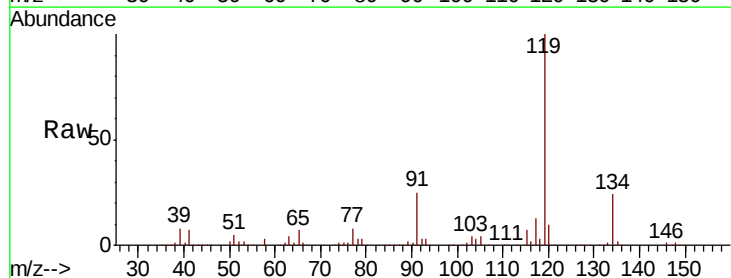
Tgt Ion:119 Resp: 1112785

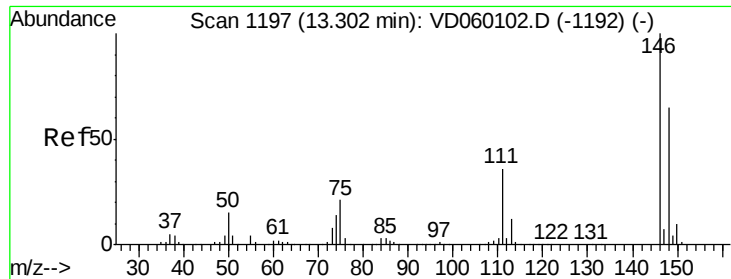
Ion Ratio Lower Upper

119 100

134 24.0 12.3 36.8

91 24.6 11.8 35.4





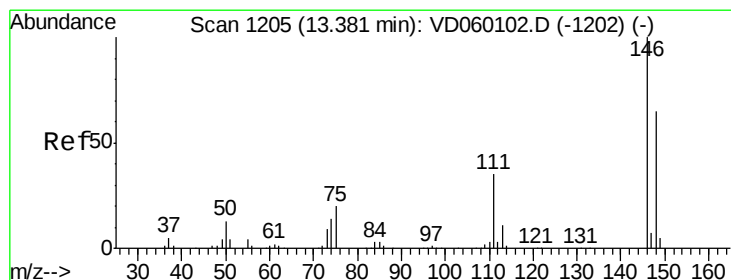
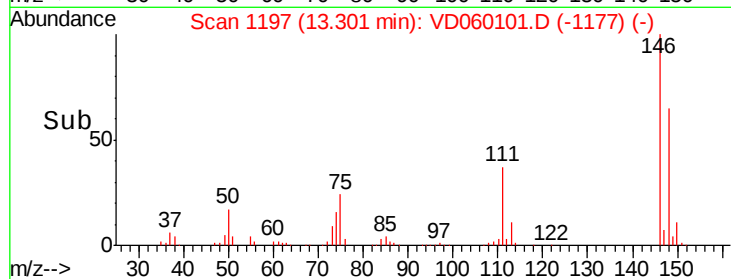
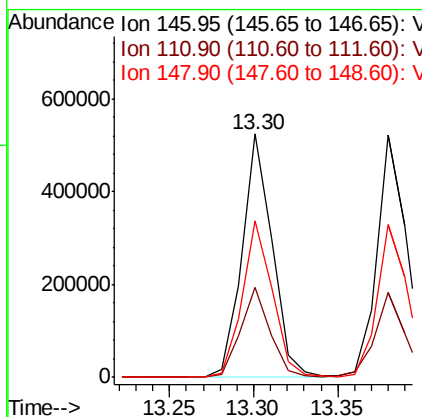
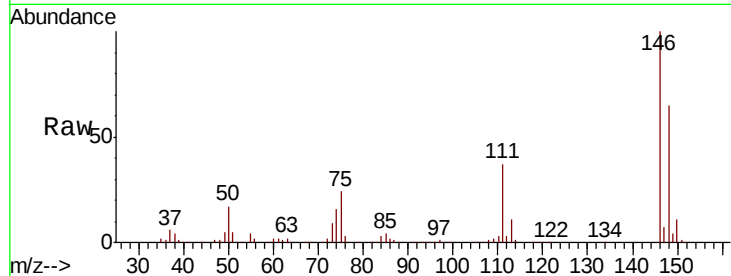
#87
 1,3-Dichlorobenzene
 Concen: 20.537 ug/l
 RT: 13.30 min Scan# 1197
 Delta R.T. -0.00 min
 Lab File: VD060101.D
 Acq: 1 Oct 2018 17:21

Instrument :
 MSVOA_D
 ClientSampleId :
 VSTDIC020

Tot Ion	Ratio	Lower	Upper
146	100		
111	37.2	18.1	54.3
148	64.5	32.3	96.9

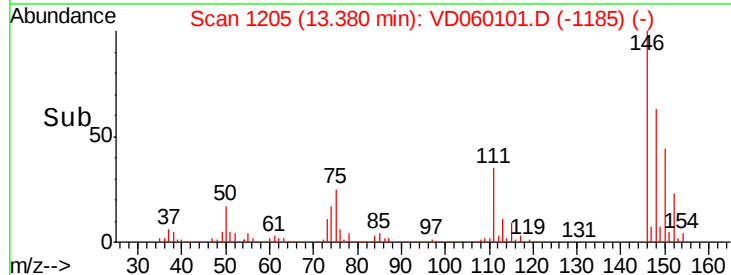
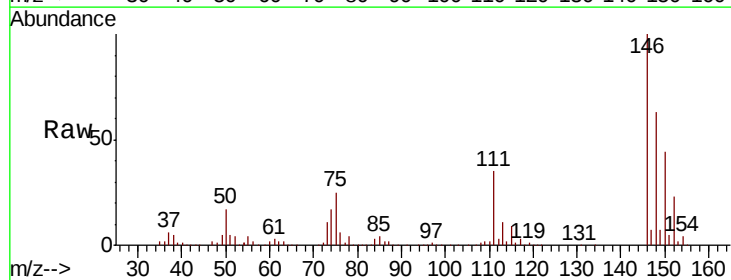
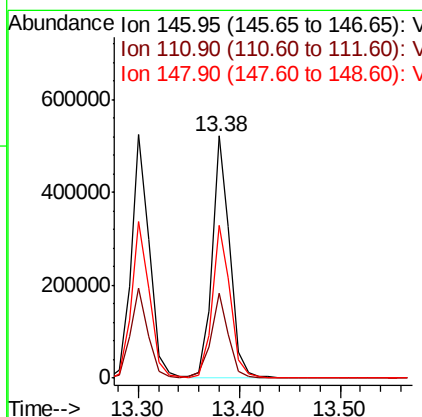
Manual Integrations
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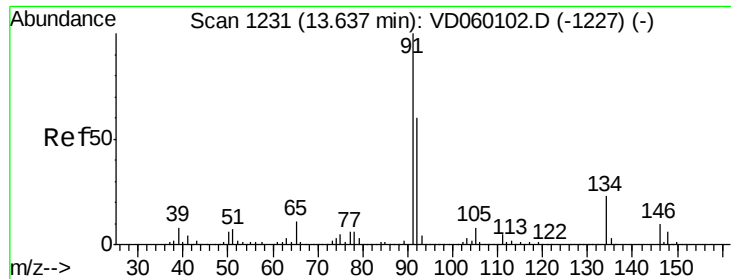
apatel
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#88
 1,4-Dichlorobenzene
 Concen: 19.873 ug/l
 RT: 13.38 min Scan# 1205
 Delta R.T. -0.00 min
 Lab File: VD060101.D
 Acq: 1 Oct 2018 17:21

Tgt Ion	Ratio	Lower	Upper
146	100		
111	35.2	17.8	53.3
148	63.2	32.4	97.2





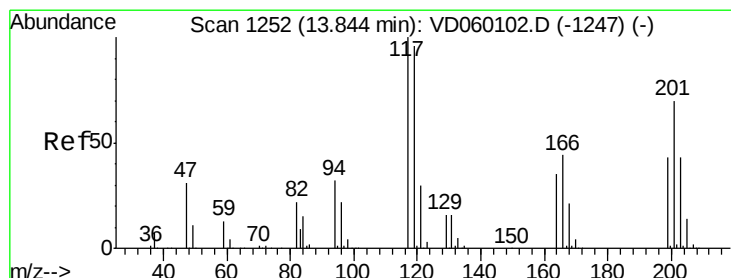
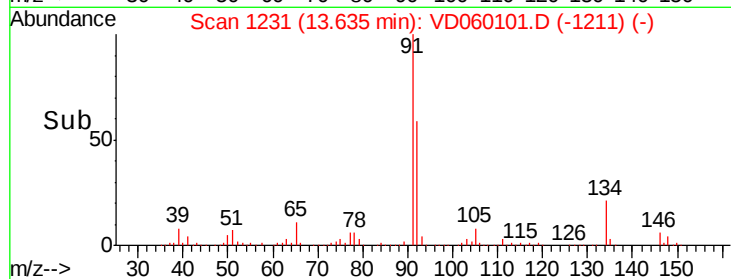
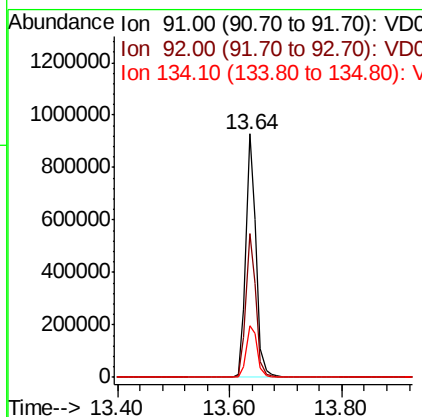
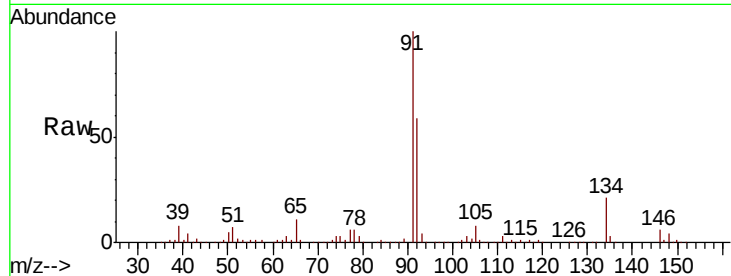
#89
n-Butylbenzene
Concen: 22.376 ug/l
RT: 13.64 min Scan# 1231
Delta R.T. -0.00 min
Lab File: VD060101.D
Acq: 1 Oct 2018 17:21

Instrument :
MSVOA_D
ClientSampleId :
VSTDIC020

Tot Ion	Ion	Ratio	Lower	Upper
91	100			
92	58.9	30.1	90.3	
134	21.0	11.6	34.7	

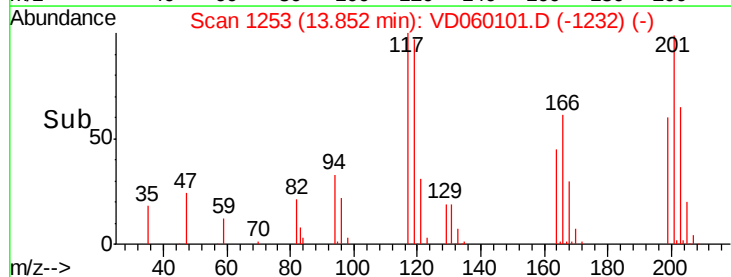
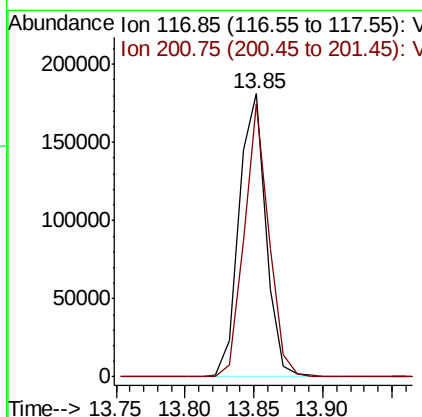
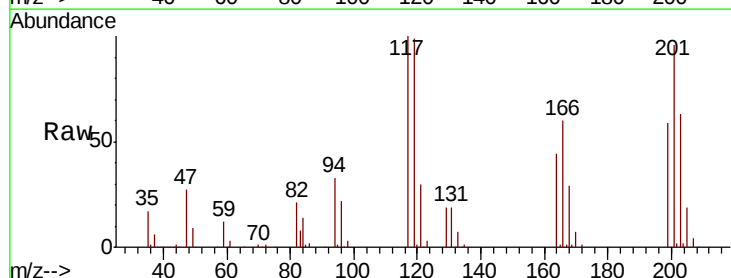
Manual Integrations
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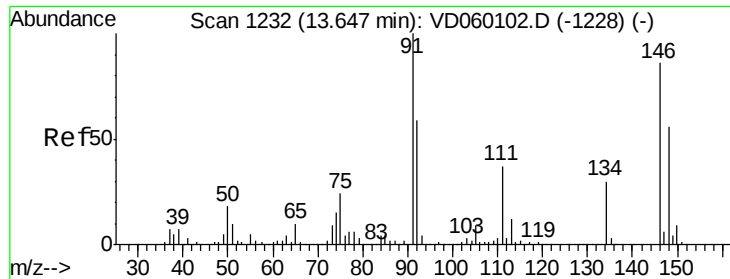
apatel
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#90
Hexachloroethane
Concen: 18.549 ug/l
RT: 13.85 min Scan# 1253
Delta R.T. 0.01 min
Lab File: VD060101.D
Acq: 1 Oct 2018 17:21

Tgt Ion	Ion	Ratio	Lower	Upper
117	100			
201	96.5	34.8	104.5	





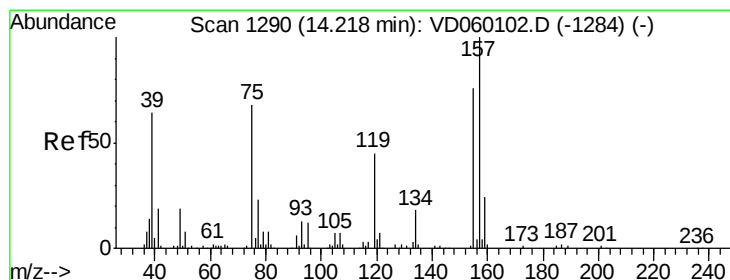
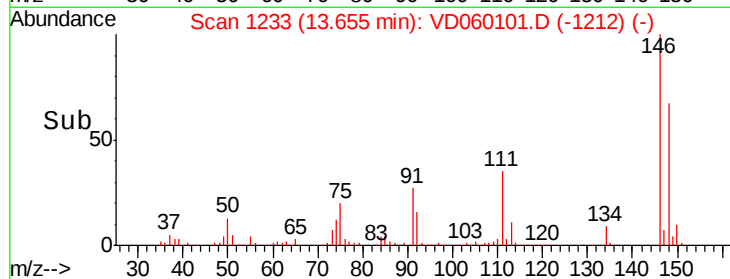
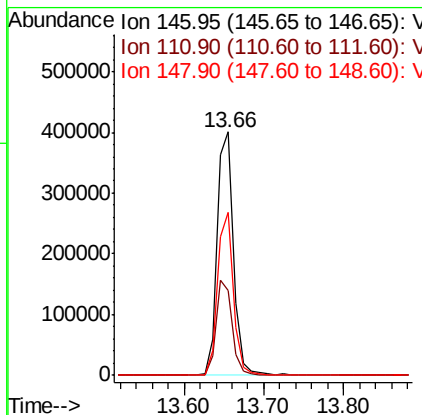
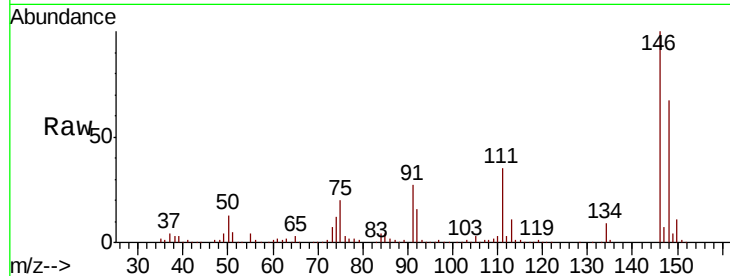
#91
 1,2-Dichlorobenzene
 Concen: 22.112 ug/l
 RT: 13.66 min Scan# 1233
 Delta R.T. 0.01 min
 Lab File: VD060101.D
 Acq: 1 Oct 2018 17:21

Instrument :
 MSVOA_D
 ClientSampleID :
 VSTDIC020

Tot Ion	Ratio	Lower	Upper
146	100		
111	34.9	21.4	64.3
148	66.8	32.2	96.6

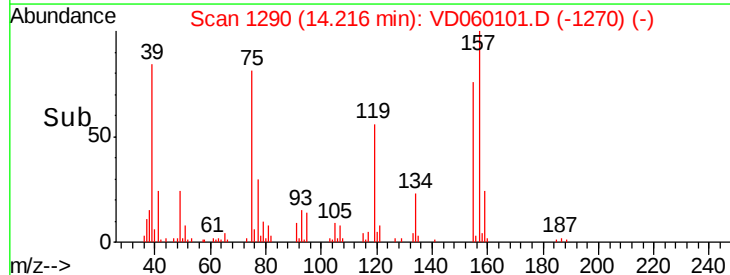
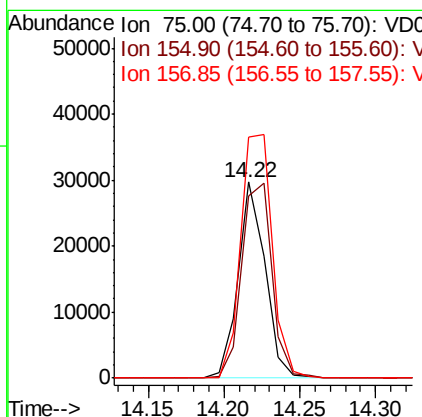
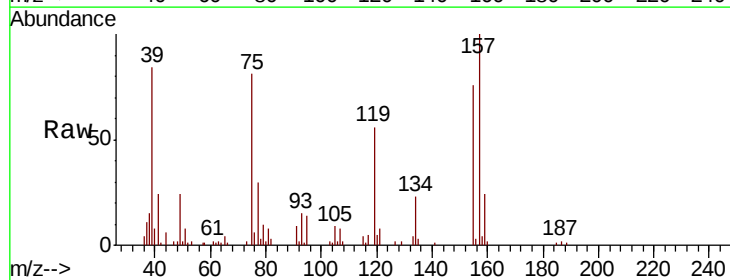
Manual Integrations
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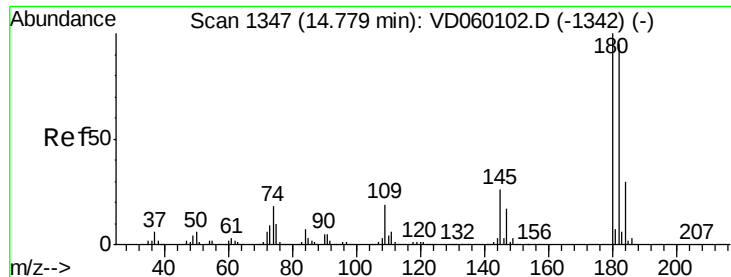
apatel
 10/2/2018 12:31:12 PM



#92
 1,2-Dibromo-3-Chloropropane
 Concen: 16.680 ug/l
 RT: 14.22 min Scan# 1290
 Delta R.T. -0.00 min
 Lab File: VD060101.D
 Acq: 1 Oct 2018 17:21

Tgt Ion	Ratio	Lower	Upper
75	100		
155	93.4	55.9	167.7
157	123.5	73.3	219.8





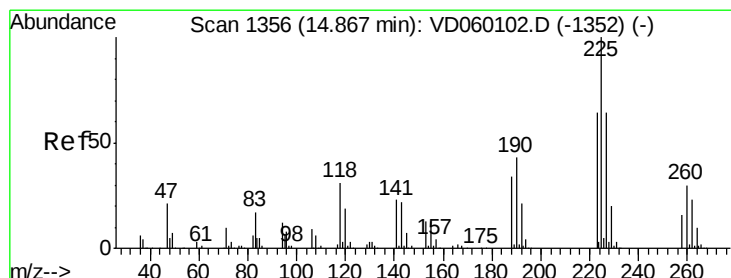
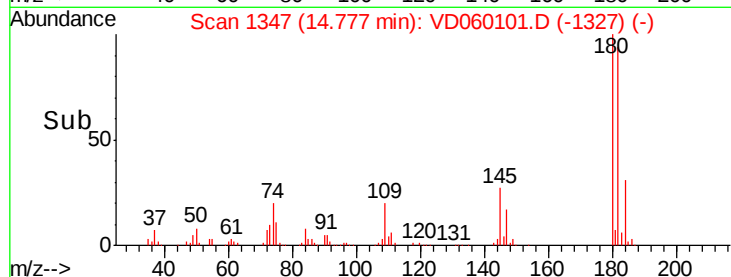
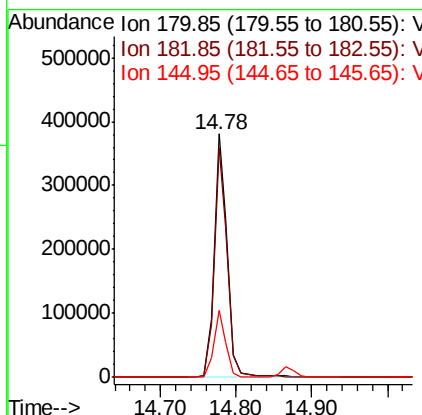
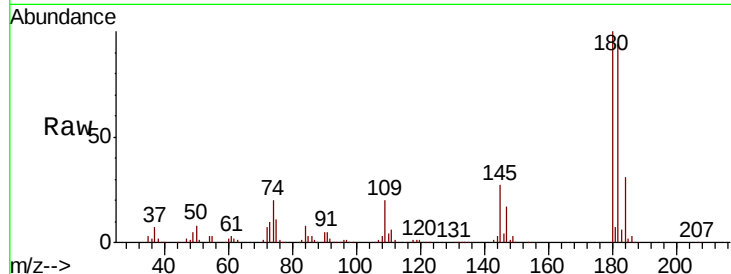
#93
 1,2,4-Trichlorobenzene
 Concen: 20.643 ug/l
 RT: 14.78 min Scan# 1347
 Delta R.T. -0.00 min
 Lab File: VD060101.D
 Acq: 1 Oct 2018 17:21

Instrument :
 MSVOA_D
 ClientSampleId :
 VSTDIC020

Tot Ion	Ratio	Resp	Lower	Upper
180	100	467215		
182	94.4	47.3	141.8	
145	27.4	13.0	38.9	

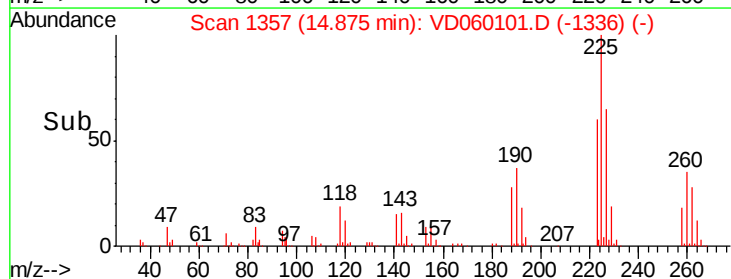
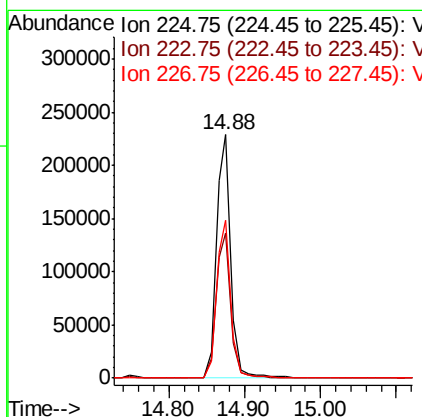
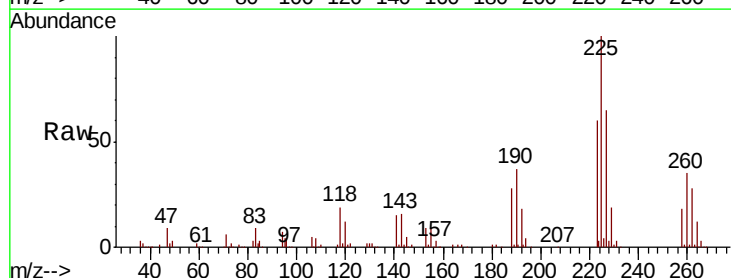
Manual Integrations
 APPROVED

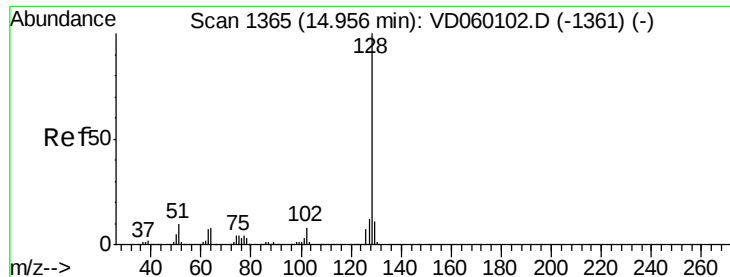
apatel
 10/2/2018 12:31:12 PM



#94
 Hexachlorobutadiene
 Concen: 20.594 ug/l
 RT: 14.88 min Scan# 1357
 Delta R.T. 0.01 min
 Lab File: VD060101.D
 Acq: 1 Oct 2018 17:21

Tgt Ion	Ratio	Resp	Lower	Upper
225	100	308817		
223	59.7	31.8	95.4	
227	64.6	32.0	96.0	





#95

Naphthalene

Concen: 19.646 ug/l

RT: 14.95 min Scan# 1365

Delta R.T. -0.00 min

Lab File: VD060101.D

Acq: 1 Oct 2018 17:21

Instrument :

MSVOA_D

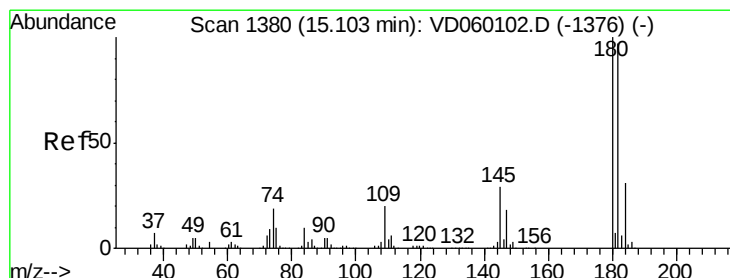
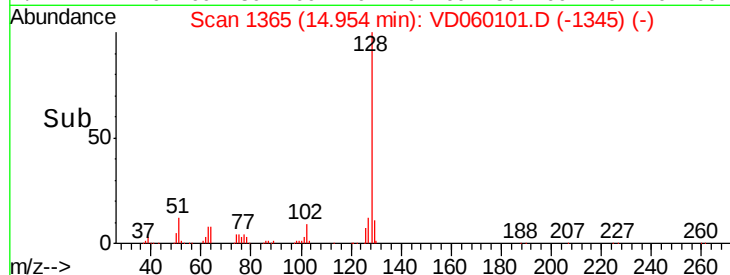
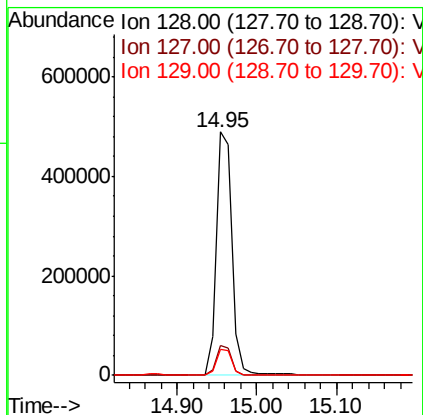
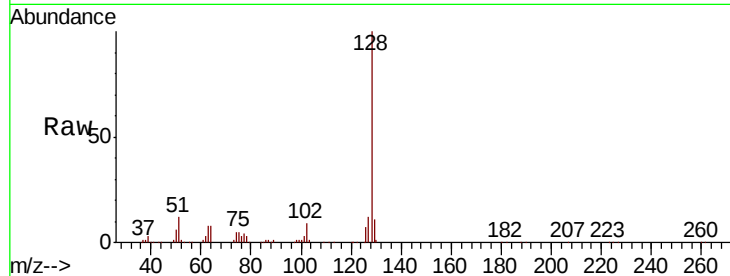
ClientSampleId :

VSTDIC020

Tot Ion:	128	Resp:	685688
Ion Ratio	Lower	Upper	
128	100		
127	12.2	9.9	14.9
129	10.7	8.8	13.2

Manual Integrations
APPROVED

apatel
10/2/2018 12:31:12 PM



#96

1,2,3-Trichlorobenzene

Concen: 20.629 ug/l

RT: 15.10 min Scan# 1380

Delta R.T. -0.00 min

Lab File: VD060101.D

Acq: 1 Oct 2018 17:21

Tgt Ion:	180	Resp:	408925
Ion Ratio	Lower	Upper	
180	100		
182	95.5	48.4	145.0
145	30.1	14.5	43.6

