

Data Path : Z:\VOASRV\HPCHEM1\MSVOA D\DATA\VD103118\
 Data File : VD060242.D
 Acq On : 31 Oct 2018 15:27
 Operator : VA/AP
 Sample : VD1031SBS01
 Misc : 5.00g/5ml/MSVOA D/SOIL
 ALS Vial : 4 Sample Multiplier: 1

Instrument :
 MSVOA_D
 ClientSampleId :
 VD1031SBS01

Quant Time: Oct 31 23:52:15 2018
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_D\METHOD\82D100118S.M
 Quant Title : SW846 8260
 QLast Update : Tue Oct 02 06:56:35 2018
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Pentafluorobenzene	6.41	168	1506759	50.00	ug/l	0.02
34) 1,4-Difluorobenzene	7.45	114	2114744	50.00	ug/l	0.03
63) Chlorobenzene-d5	11.29	117	1738153	50.00	ug/l	0.03
72) 1,4-Dichlorobenzene-d4	13.38	152	947574	50.00	ug/l	0.02

System Monitoring Compounds	R.T.	QIon	Response	Conc	Units	Dev(Min)
33) 1,2-Dichloroethane-d4	6.79	65	602013	52.71	ug/l	0.03
Spiked Amount			Recovery	=	105.42%	
35) Dibromofluoromethane	6.33	113	837273	52.14	ug/l	0.03
Spiked Amount			Recovery	=	104.28%	
50) Toluene-d8	9.46	98	2272267	49.62	ug/l	0.02
Spiked Amount			Recovery	=	99.24%	
62) 4-Bromofluorobenzene	12.43	95	884142	51.57	ug/l	0.02
Spiked Amount			Recovery	=	103.14%	

Target Compounds	R.T.	QIon	Response	Conc	Units	Qvalue
2) Dichlorodifluoromethane	1.59	85	282810	19.953	ug/l	95
3) Chloromethane	1.76	50	302902	23.700	ug/l	98
4) Vinyl Chloride	1.85	62	245155	23.439	ug/l	99
5) Bromomethane	2.14	94	21128	16.087	ug/l	88
6) Chloroethane	2.25	64	51675	18.105	ug/l	94
7) Trichlorofluoromethane	2.50	101	263667	21.053	ug/l	99
8) Diethyl Ether	2.83	74	64528	25.057	ug/l	94
9) 1,1,2-Trichlorotrifluoroet	3.08	101	191736	24.575	ug/l	97
10) Methyl Iodide	3.25	142	163436	19.753	ug/l	98
11) Tert butyl alcohol	3.99	59	90357	110.308	ug/l	98
12) 1,1-Dichloroethene	3.07	96	161051	26.202	ug/l	87
13) Acrolein	2.98	56	38232	75.714	ug/l	97
14) Allyl chloride	3.54	41	313214	24.536	ug/l	100
15) Acrylonitrile	4.09	53	403000	118.862	ug/l	98
16) Acetone	3.16	43	299495	144.512	ug/l	98
17) Carbon Disulfide	3.31	76	459509	22.231	ug/l	99
18) Methyl Acetate	3.56	43	116062	26.055	ug/l	95
19) Methyl tert-butyl Ether	4.13	73	644847	23.862	ug/l	98
20) Methylene Chloride	3.72	84	435921	24.532	ug/l	97
21) trans-1,2-Dichloroethene	4.10	96	352786	22.224	ug/l	98
22) Diisopropyl ether	4.86	45	1359219	23.842	ug/l	98
23) Vinyl Acetate	4.81	43	3912763	122.099	ug/l	98
24) 1,1-Dichloroethane	4.76	63	604100	23.370	ug/l	98
25) 2-Butanone	5.63	43	685888	132.474	ug/l	97
26) 2,2-Dichloropropane	5.59	77	482097	24.602	ug/l	97
27) cis-1,2-Dichloroethene	5.60	96	389952	23.185	ug/l	96
28) Bromochloromethane	5.93	49	291575	23.212	ug/l	100
29) Tetrahydrofuran	5.96	42	356434	118.520	ug/l	99
30) Chloroform	6.10	83	623643	23.851	ug/l	99
31) Cyclohexane	6.37	56	536833	21.695	ug/l	99
32) 1,1,1-Trichloroethane	6.30	97	501534	23.412	ug/l	99
36) 1,1-Dichloropropene	6.53	75	452799	22.407	ug/l	96
37) Ethyl Acetate	5.70	43	322777	24.064	ug/l	99
38) Carbon Tetrachloride	6.51	117	420084	22.904	ug/l	99

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 Quant Title : SW846 8260
 QLast Update : Tue Oct 02 06:56:35 2018
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
39) Methylcyclohexane	8.04	83	505268	22.006	ug/l	96
40) Benzene	6.80	78	1184990	22.414	ug/l	100
41) Methacrylonitrile	5.96	41	356630	47.039	ug/l #	93
42) 1,2-Dichloroethane	6.90	62	350968	23.155	ug/l	100
43) Isopropyl Acetate	8.36	43	405112	22.957	ug/l	99
44) Trichloroethene	7.75	130	357243	21.829	ug/l	97
45) 1,2-Dichloropropane	8.11	63	316659	22.875	ug/l	97
46) Dibromomethane	8.22	93	203069	22.658	ug/l	93
47) Bromodichloromethane	8.50	83	437888	22.931	ug/l	99
48) Methyl methacrylate	8.25	41	234808	23.360	ug/l	98
49) 1,4-Dioxane	8.23	88	44595	450.897	ug/l	98
51) 4-Methyl-2-Pentanone	9.35	43	1319392	118.539	ug/l	99
52) Toluene	9.56	92	781105	22.941	ug/l	100
53) t-1,3-Dichloropropene	9.92	75	398574	23.067	ug/l	98
54) cis-1,3-Dichloropropene	9.11	75	496729	23.280	ug/l	97
55) 1,1,2-Trichloroethane	10.19	97	262924	23.621	ug/l	98
56) Ethyl methacrylate	10.04	69	282279	22.974	ug/l	95
57) 1,3-Dichloropropane	10.38	76	383781	22.607	ug/l	98
58) 2-Chloroethyl Vinyl ether	8.93	63	808929	118.557	ug/l	96
59) 2-Hexanone	10.49	43	1071334	133.856	ug/l	99
60) Dibromochloromethane	10.65	129	318838	23.346	ug/l	100
61) 1,2-Dibromoethane	10.77	107	277186	23.437	ug/l	96
64) Tetrachloroethene	10.26	164	330275	21.695	ug/l	99
65) Chlorobenzene	11.32	112	857031	22.792	ug/l	100
66) 1,1,1,2-Tetrachloroethane	11.43	131	301822	24.061	ug/l	97
67) Ethyl Benzene	11.43	91	1453292	23.854	ug/l	97
68) m/p-Xylenes	11.57	106	1089155	47.847	ug/l	96
69) o-Xylene	11.94	106	517613	22.989	ug/l	95
70) Styrene	11.96	104	878859	23.341	ug/l	99
71) Bromoform	12.12	173	231859	22.826	ug/l	98
73) Isopropylbenzene	12.28	105	1418246	22.687	ug/l	100
74) N-amyl acetate	12.14	43	524067	22.887	ug/l	98
75) 1,1,2,2-Tetrachloroethane	12.57	83	307385	22.523	ug/l	99
76) 1,2,3-Trichloropropane	12.60	75	313959	23.007	ug/l	97
77) Bromobenzene	12.55	156	403036	22.186	ug/l	84
78) n-propylbenzene	12.64	91	1798417	23.169	ug/l	99
79) 2-Chlorotoluene	12.71	91	990416	22.989	ug/l	99
80) 1,3,5-Trimethylbenzene	12.80	105	1128798	23.331	ug/l	100
81) trans-1,4-Dichloro-2-buten	12.34	75	87579	22.840	ug/l	98
82) 4-Chlorotoluene	12.82	91	1130659	23.204	ug/l	100
83) tert-Butylbenzene	13.05	119	1263705	22.761	ug/l	99
84) 1,2,4-Trimethylbenzene	13.10	105	1170270	22.950	ug/l	98
85) sec-Butylbenzene	13.23	105	1440979	21.951	ug/l	99
86) p-Isopropyltoluene	13.35	119	1242682	23.079	ug/l	98
87) 1,3-Dichlorobenzene	13.32	146	725802	22.932	ug/l	98
88) 1,4-Dichlorobenzene	13.40	146	710898	22.362	ug/l	98
89) n-Butylbenzene	13.65	91	1274470	24.258	ug/l	100
90) Hexachloroethane	13.86	117	285610	22.920	ug/l	98
91) 1,2-Dichlorobenzene	13.66	146	632593	23.771	ug/l	97
92) 1,2-Dibromo-3-Chloropropan	14.23	75	42663	23.412	ug/l	93

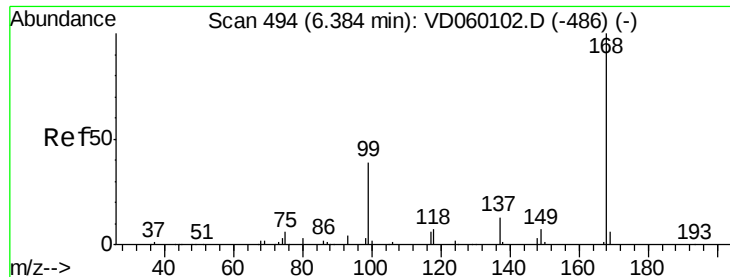
Data Path : Z:\V0ASRV\HPCHEM1\MSVOA D\DATA\VD103118\
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Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
93) 1,2,4-Trichlorobenzene	14.79	180	501763	22.214	ug/l	98
94) Hexachlorobutadiene	14.88	225	329269	21.930	ug/l	99
95) Naphthalene	14.97	128	723379	21.605	ug/l	99
96) 1,2,3-Trichlorobenzene	15.12	180	432205	21.996	ug/l	96

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



#1

Pentafluorobenzene

Concen: 50.000 ug/l

RT: 6.41 min Scan# 496

Delta R.T. 0.02 min

Lab File: VD060242.D

Acq: 31 Oct 2018 15:27

Instrument :

MSVOA_D

ClientSampleId :

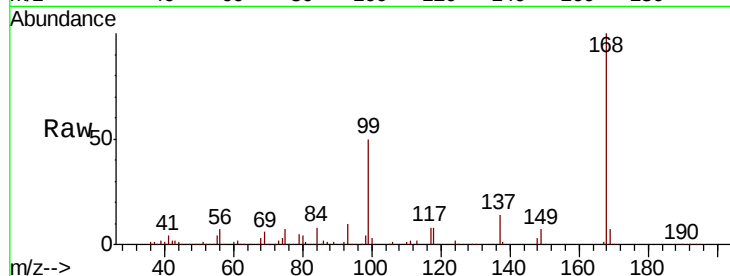
VD1031SBS01

Tot Ion:168 Resp: 1506759

Ion Ratio Lower Upper

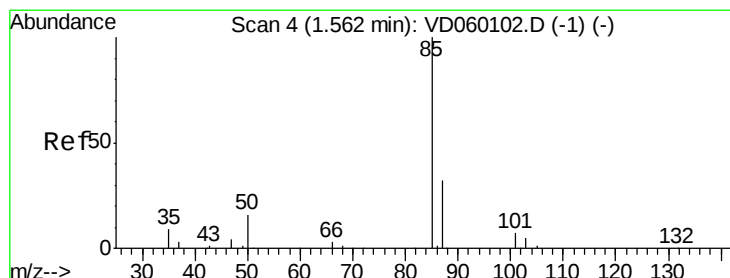
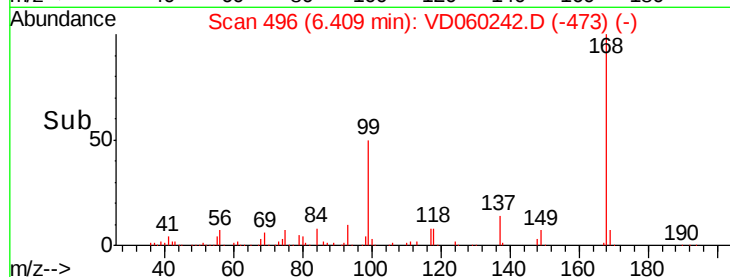
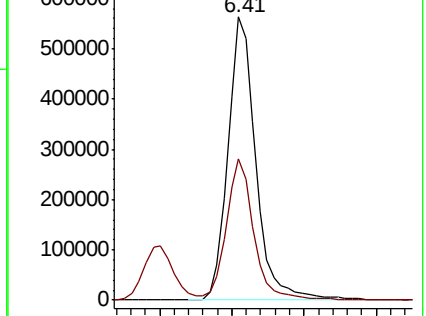
168 100

99 49.7 35.4 53.0



Abundance Ion 167.90 (167.60 to 168.60): V

Ion 98.95 (98.65 to 99.65): VDC



#2

Dichlorodifluoromethane

Concen: 19.953 ug/l

RT: 1.59 min Scan# 6

Delta R.T. 0.03 min

Lab File: VD060242.D

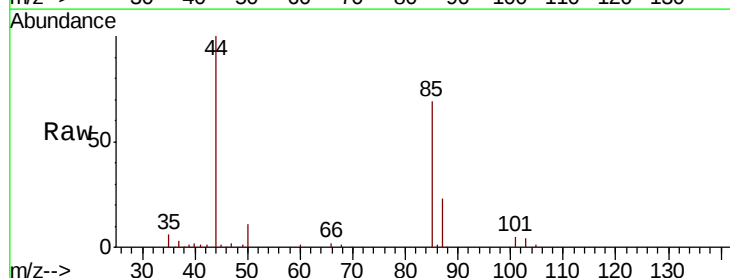
Acq: 31 Oct 2018 15:27

Tgt Ion: 85 Resp: 282810

Ion Ratio Lower Upper

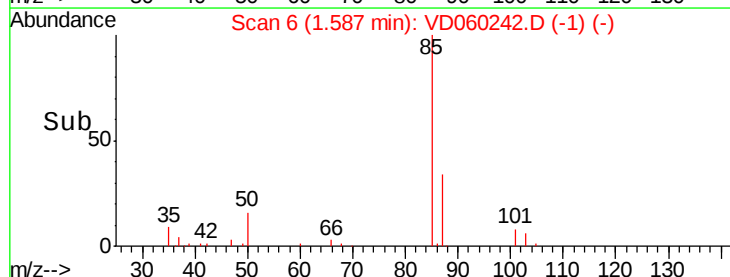
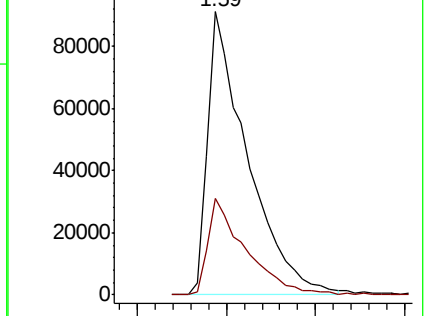
85 100

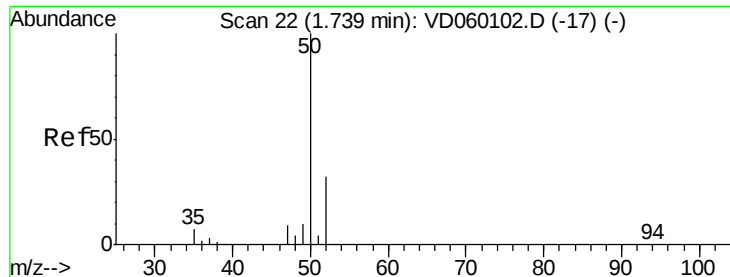
87 34.2 15.9 47.6



Abundance Ion 84.95 (84.65 to 85.65): VDC

Ion 86.90 (86.60 to 87.60): VDC





#3

Chloromethane

Concen: 23.700 ug/l

RT: 1.76 min Scan# 24

Delta R.T. 0.02 min

Lab File: VD060242.D

Acq: 31 Oct 2018 15:27

Instrument :

MSVOA_D

ClientSampleId :

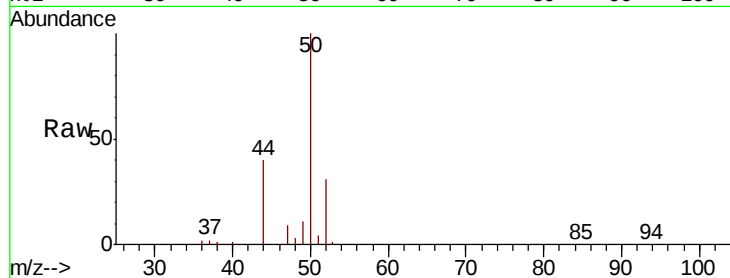
VD1031SBS01

Tot Ion: 50 Resp: 302902

Ion Ratio Lower Upper

50 100

52 30.7 25.3 37.9



Abundance Ion 49.90 (49.60 to 50.60): VDC

Ion 51.90 (51.60 to 52.60): VDC

120000

100000

80000

60000

40000

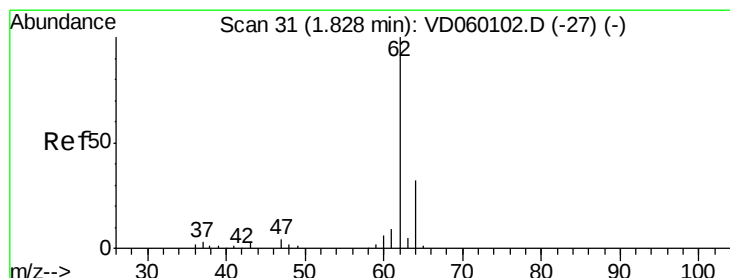
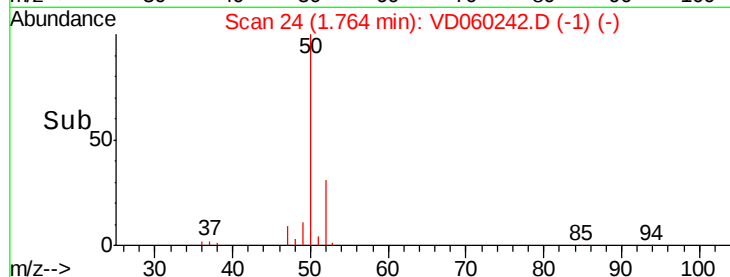
20000

0

1.76

1.70 1.80 1.90

Time-->



#4

Vinyl Chloride

Concen: 23.439 ug/l

RT: 1.85 min Scan# 33

Delta R.T. 0.02 min

Lab File: VD060242.D

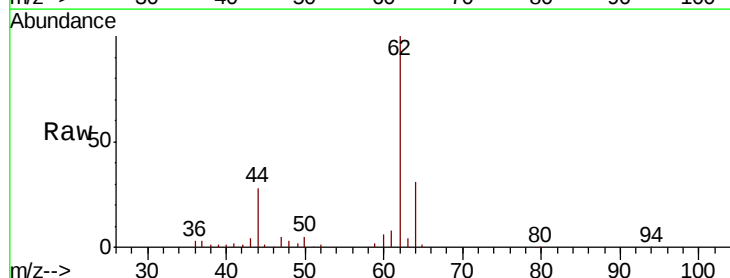
Acq: 31 Oct 2018 15:27

Tgt Ion: 62 Resp: 245155

Ion Ratio Lower Upper

62 100

64 31.0 25.2 37.8



Abundance Ion 61.95 (61.65 to 62.65): VDC

Ion 63.95 (63.65 to 64.65): VDC

100000

80000

60000

40000

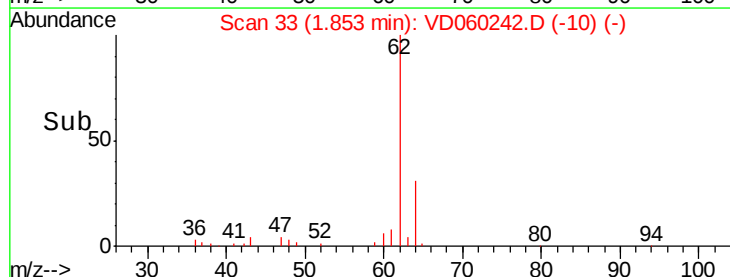
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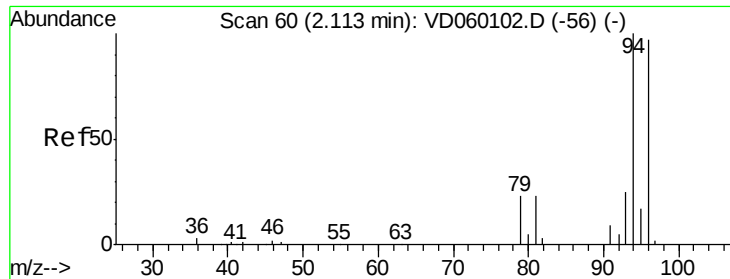
0

1.85

1.80 1.90 2.00

Time-->





#5

Bromomethane

Concen: 16.087 ug/l

RT: 2.14 min Scan# 62

Delta R.T. 0.02 min

Lab File: VD060242.D

Acq: 31 Oct 2018 15:27

Instrument :

MSVOA_D

ClientSampleId :

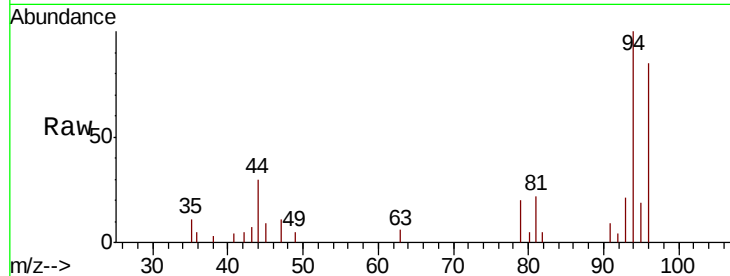
VD1031SBS01

Tot Ion: 94 Resp: 21128

Ion Ratio Lower Upper

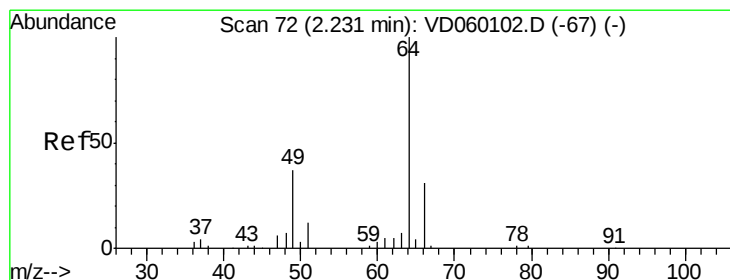
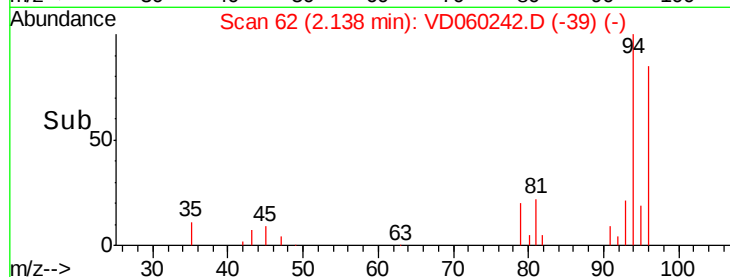
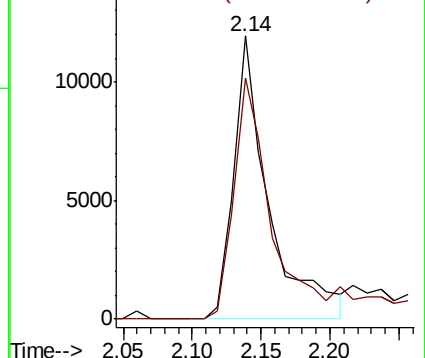
94 100

96 85.3 77.4 116.2



Abundance Ion 93.90 (93.60 to 94.60): VDC

Ion 95.90 (95.60 to 96.60): VDC



#6

Chloroethane

Concen: 18.105 ug/l

RT: 2.25 min Scan# 73

Delta R.T. 0.02 min

Lab File: VD060242.D

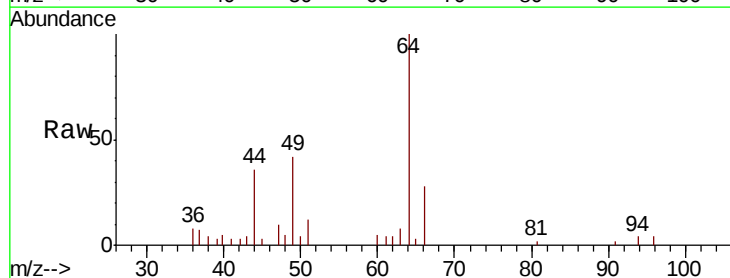
Acq: 31 Oct 2018 15:27

Tgt Ion: 64 Resp: 51675

Ion Ratio Lower Upper

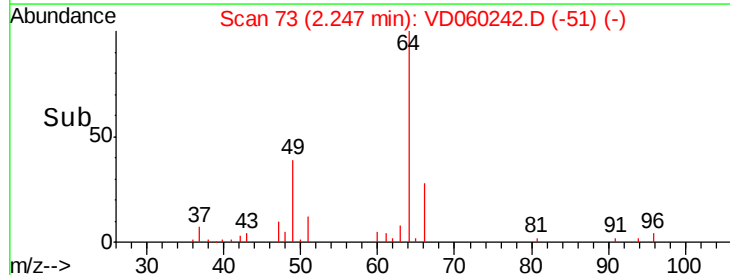
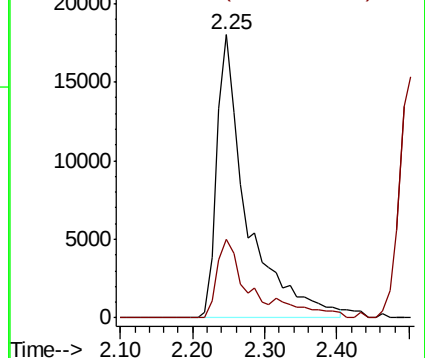
64 100

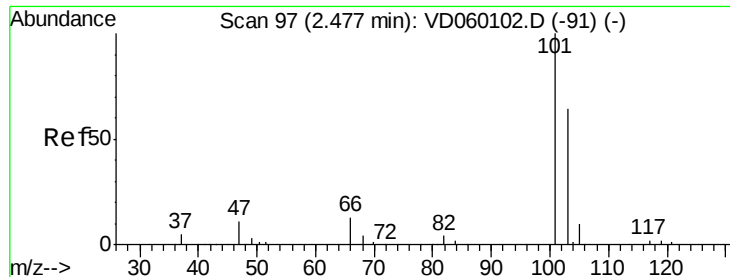
66 27.8 24.6 37.0



Abundance Ion 63.95 (63.65 to 64.65): VDC

Ion 65.90 (65.60 to 66.60): VDC



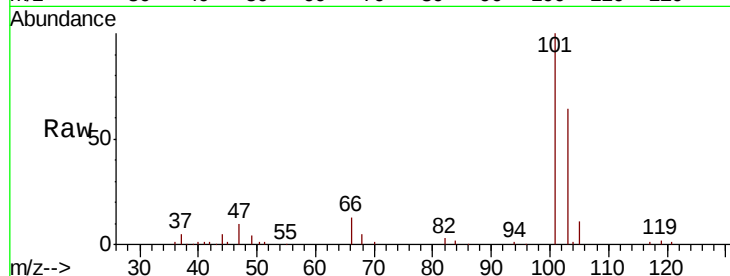


#7

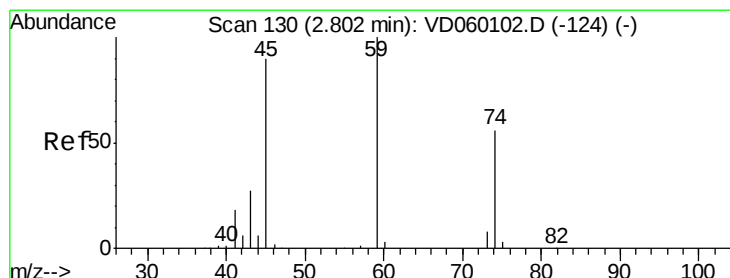
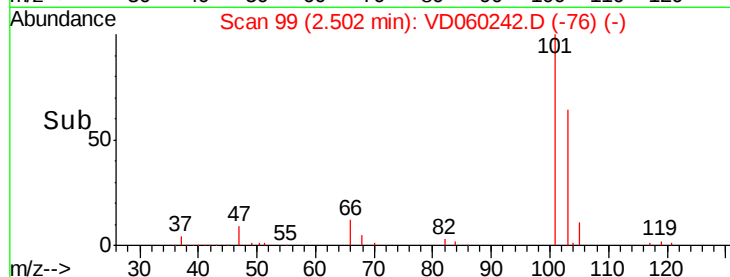
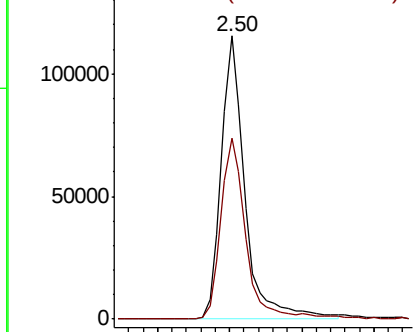
Trichlorofluoromethane
 Concen: 21.053 ug/l
 RT: 2.50 min Scan# 99
 Delta R.T. 0.02 min
 Lab File: VD060242.D
 Acq: 31 Oct 2018 15:27

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 VD1031SBS01

Tot Ion:101 Resp: 263667
 Ion Ratio Lower Upper
 101 100
 103 63.8 51.5 77.3



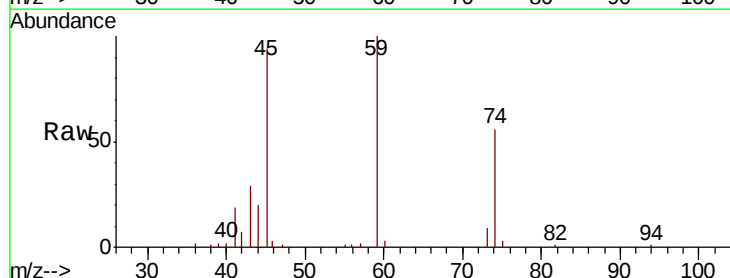
Abundance Ion 100.85 (100.55 to 101.55): V
 Ion 102.85 (102.55 to 103.55): V



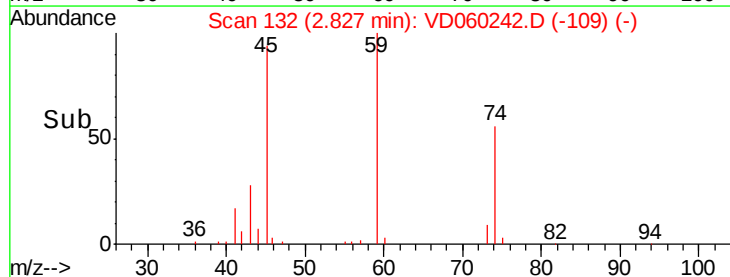
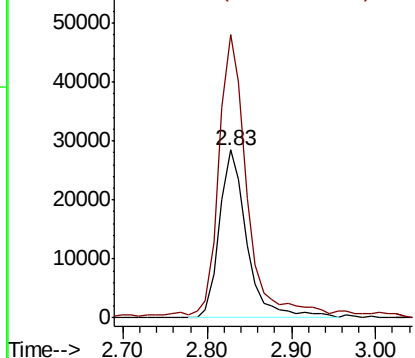
#8

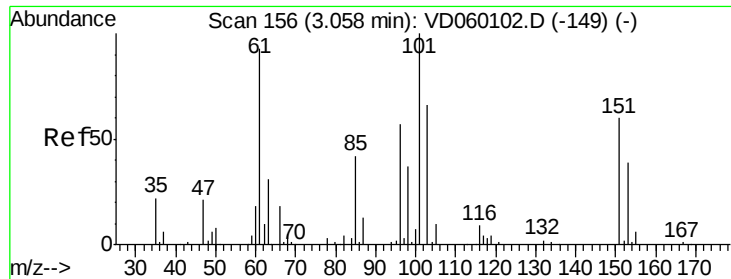
Diethyl Ether
 Concen: 25.057 ug/l
 RT: 2.83 min Scan# 132
 Delta R.T. 0.02 min
 Lab File: VD060242.D
 Acq: 31 Oct 2018 15:27

Tgt Ion: 74 Resp: 64528
 Ion Ratio Lower Upper
 74 100
 45 168.6 80.3 241.0



Abundance Ion 74.00 (73.70 to 74.70): VDC
 Ion 45.05 (44.75 to 45.75): VDC





#9

1,1,2-Trichlorotrifluoroethane

Concen: 24.575 ug/l

RT: 3.08 min Scan# 158

Delta R.T. 0.02 min

Lab File: VD060242.D

Acq: 31 Oct 2018 15:27

Instrument :

MSVOA_D

ClientSampleId :

VD1031SBS01

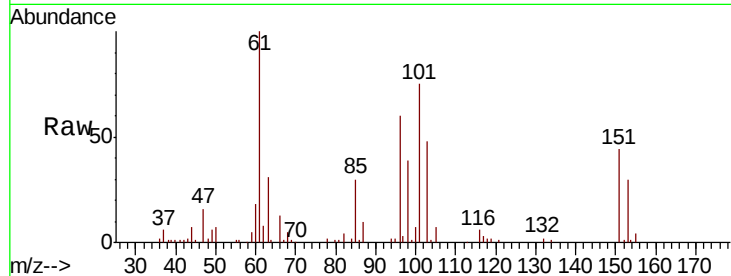
Tot Ion:101 Resp: 191736

Ion Ratio Lower Upper

101 100

85 39.3 33.4 50.0

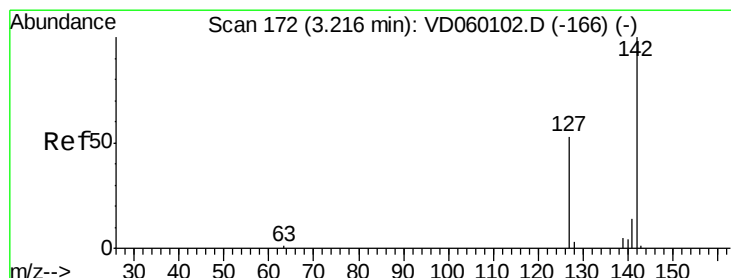
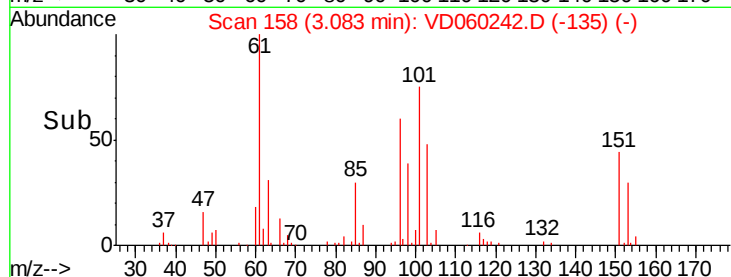
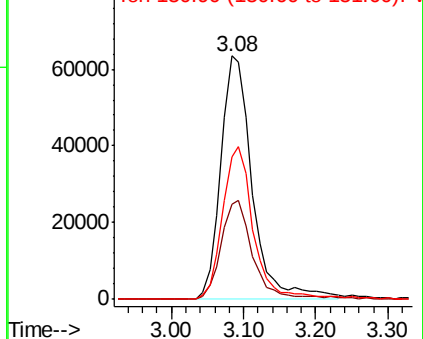
151 58.7 48.0 72.0



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: 19.753 ug/l

RT: 3.25 min Scan# 175

Delta R.T. 0.03 min

Lab File: VD060242.D

Acq: 31 Oct 2018 15:27

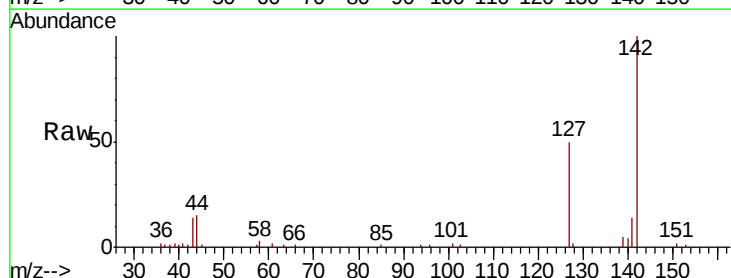
Tgt Ion:142 Resp: 163436

Ion Ratio Lower Upper

142 100

127 50.4 42.0 63.0

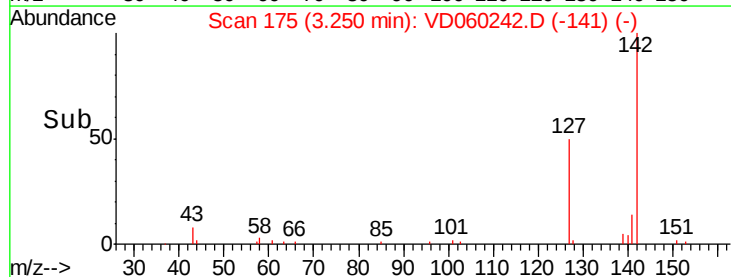
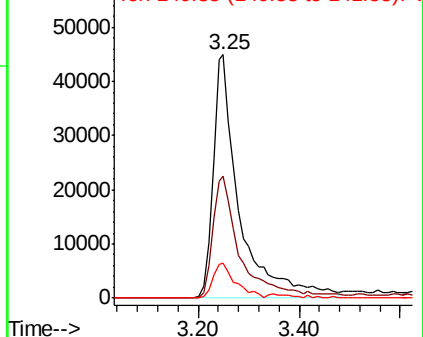
141 14.1 11.4 17.0

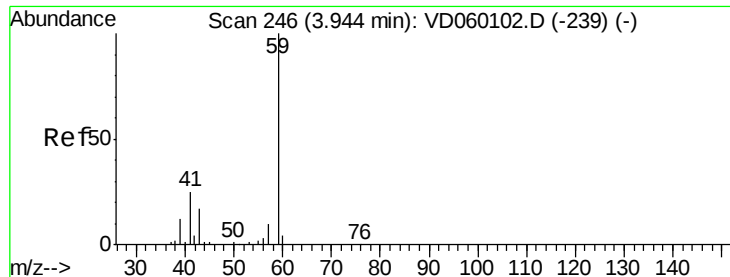


Abundance Ion 141.85 (141.55 to 142.55): V

Ion 126.80 (126.50 to 127.50): V

Ion 140.85 (140.55 to 141.55): V

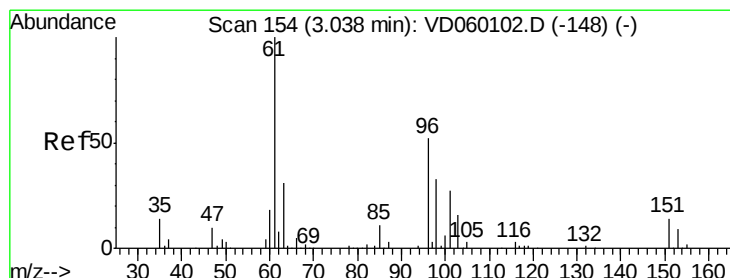
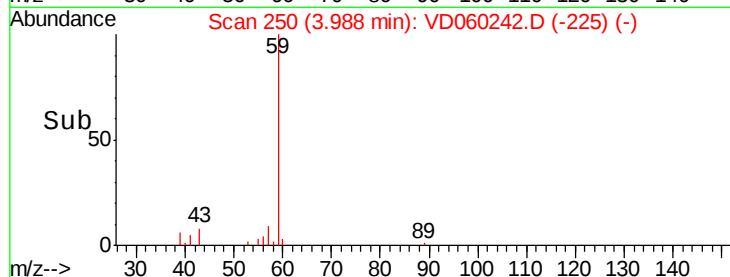
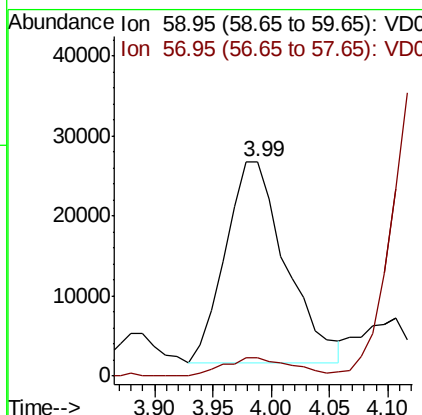
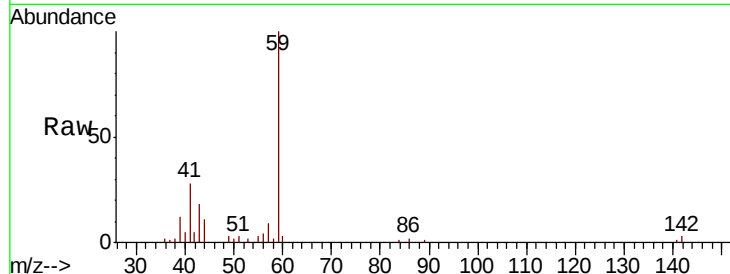




#11
Tert butyl alcohol
Concen: 110.308 ug/l
RT: 3.99 min Scan# 250
Delta R.T. 0.04 min
Lab File: VD060242.D
Acq: 31 Oct 2018 15:27

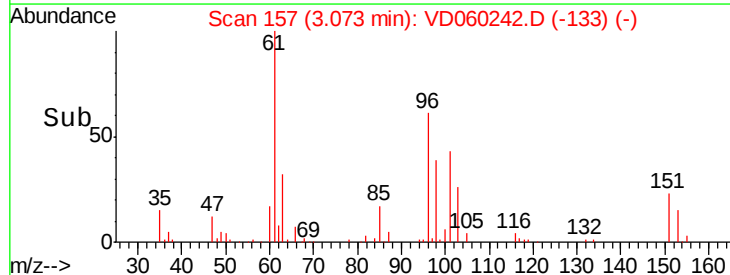
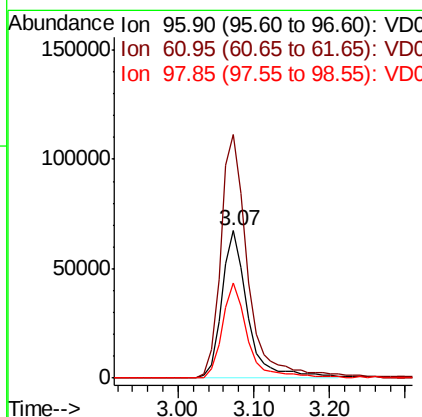
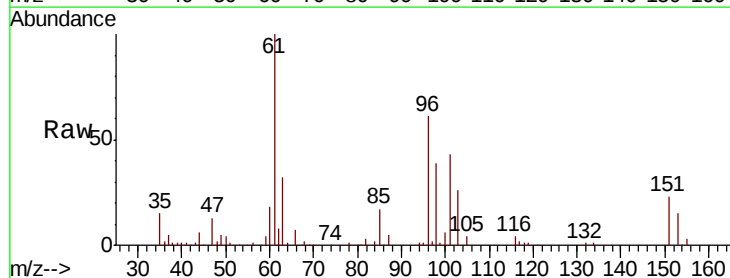
Instrument :
MSVOA_D
ClientSampleId :
VD1031SBS01

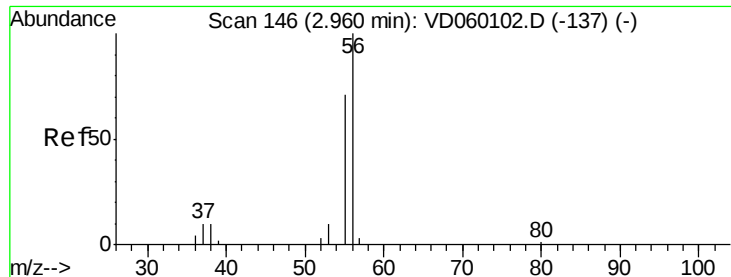
Tot Ion: 59 Resp: 90357
Ion Ratio Lower Upper
59 100
57 8.8 7.8 11.6



#12
1,1-Dichloroethene
Concen: 26.202 ug/l
RT: 3.07 min Scan# 157
Delta R.T. 0.03 min
Lab File: VD060242.D
Acq: 31 Oct 2018 15:27

Tgt Ion: 96 Resp: 161051
Ion Ratio Lower Upper
96 100
61 165.1 153.0 229.4
98 64.1 51.1 76.7





#13

Acrolein

Concen: 75.714 ug/l

RT: 2.98 min Scan# 148

Delta R.T. 0.02 min

Lab File: VD060242.D

Acq: 31 Oct 2018 15:27

Instrument :

MSVOA_D

ClientSampleId :

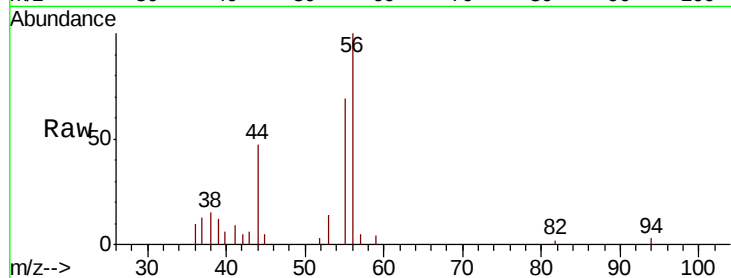
VD1031SBS01

Tot Ion: 56 Resp: 38232

Ion Ratio Lower Upper

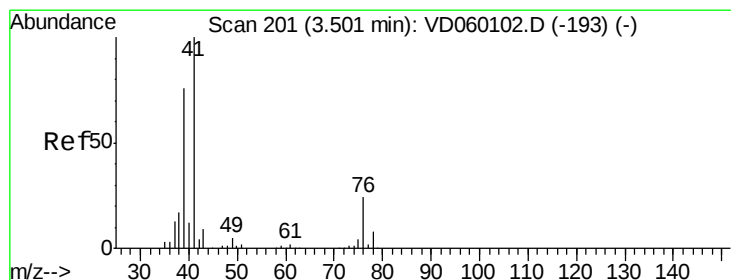
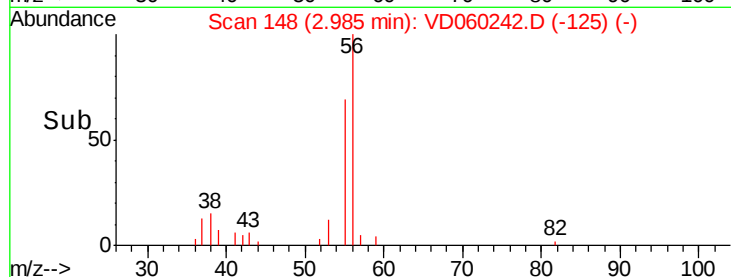
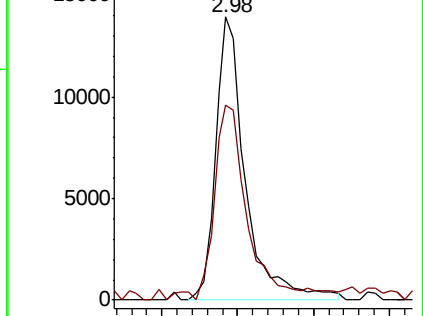
56 100

55 68.9 57.4 86.2



Abundance Ion 55.95 (55.65 to 56.65): VDC

Ion 55.00 (54.70 to 55.70): VDC



#14

Allyl chloride

Concen: 24.536 ug/l

RT: 3.54 min Scan# 204

Delta R.T. 0.03 min

Lab File: VD060242.D

Acq: 31 Oct 2018 15:27

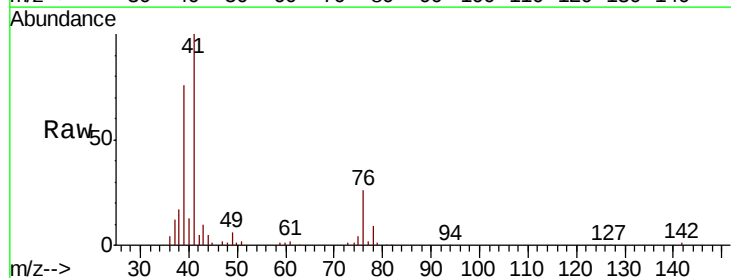
Tgt Ion: 41 Resp: 313214

Ion Ratio Lower Upper

41 100

39 75.6 60.6 90.8

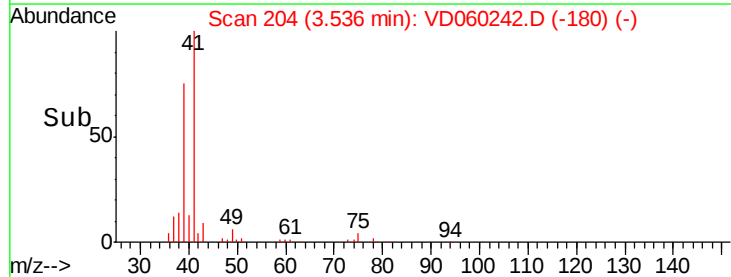
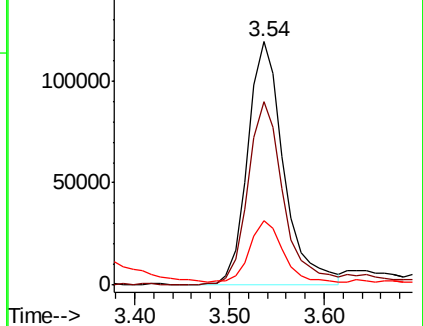
76 26.3 21.3 31.9

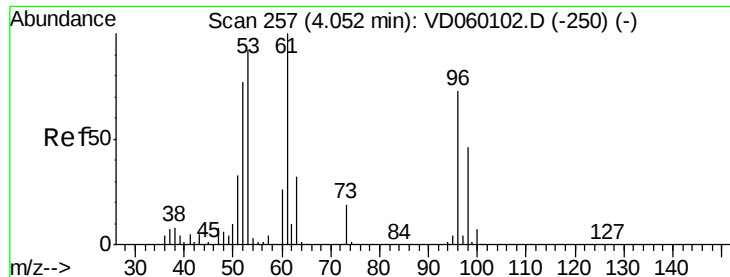


Abundance Ion 41.05 (40.75 to 41.75): VDC

Ion 38.95 (38.65 to 39.65): VDC

Ion 75.95 (75.65 to 76.65): VDC





#15

Acrylonitrile

Concen: 118.862 ug/l

RT: 4.09 min Scan# 260

Delta R.T. 0.03 min

Lab File: VD060242.D

Acq: 31 Oct 2018 15:27

Instrument :

MSVOA_D

ClientSampleId :

VD1031SBS01

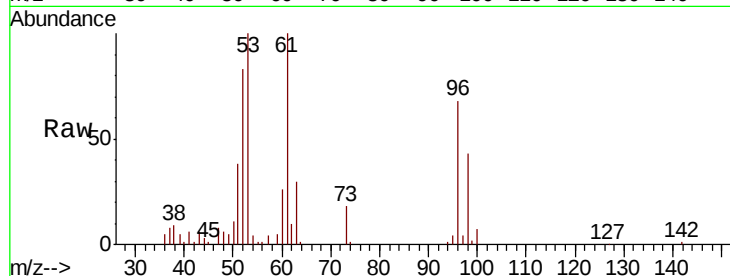
Tot Ion: 53 Resp: 403000

Ion Ratio Lower Upper

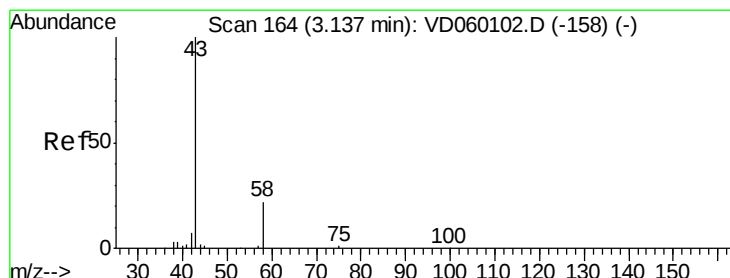
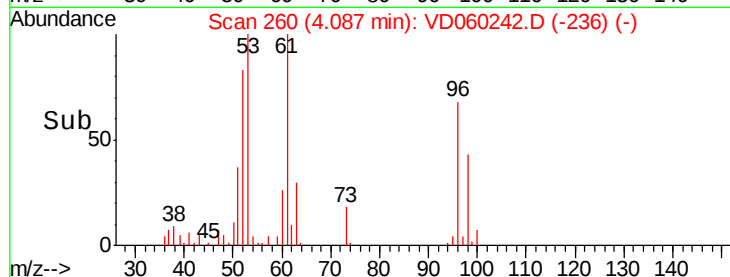
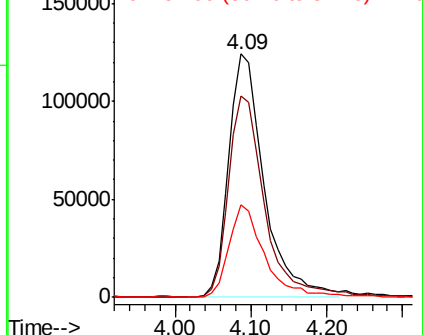
53 100

52 82.8 67.5 101.3

51 38.2 29.3 43.9



Abundance Ion 53.00 (52.70 to 53.70): VDC
Ion 52.00 (51.70 to 52.70): VDC
Ion 51.00 (50.70 to 51.70): VDC



#16

Acetone

Concen: 144.512 ug/l

RT: 3.16 min Scan# 166

Delta R.T. 0.02 min

Lab File: VD060242.D

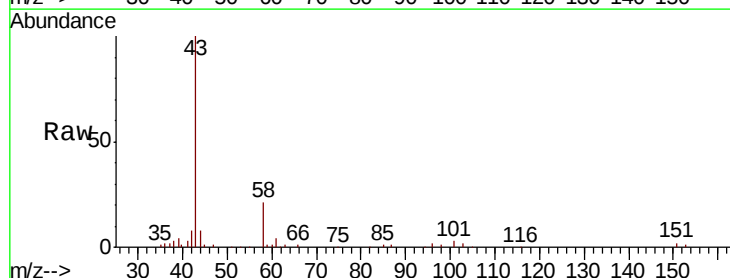
Acq: 31 Oct 2018 15:27

Tgt Ion: 43 Resp: 299495

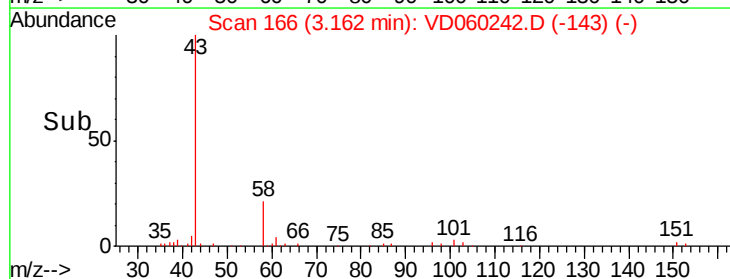
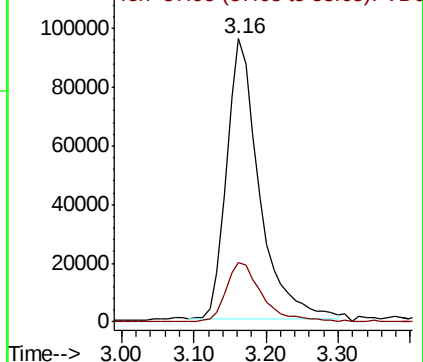
Ion Ratio Lower Upper

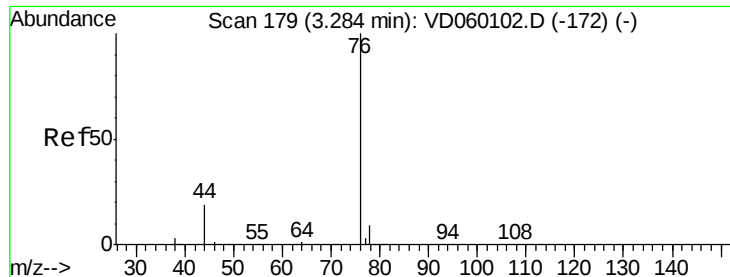
43 100

58 21.1 17.7 26.5



Abundance Ion 42.95 (42.65 to 43.65): VDC
Ion 57.95 (57.65 to 58.65): VDC





#17

Carbon Disulfide

Concen: 22.231 ug/l

RT: 3.31 min Scan# 181

Delta R.T. 0.02 min

Lab File: VD060242.D

Acq: 31 Oct 2018 15:27

Instrument :

MSVOA_D

ClientSampleId :

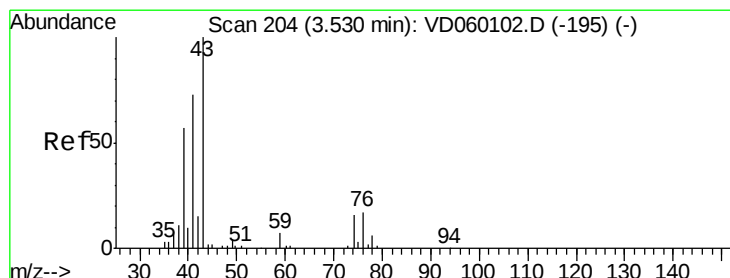
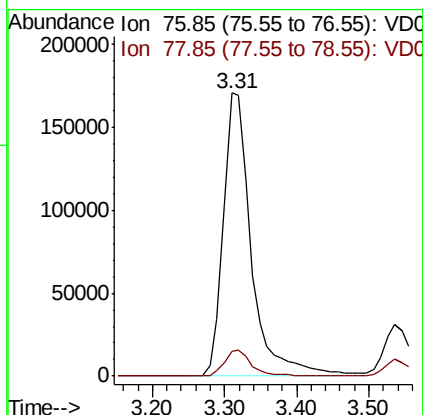
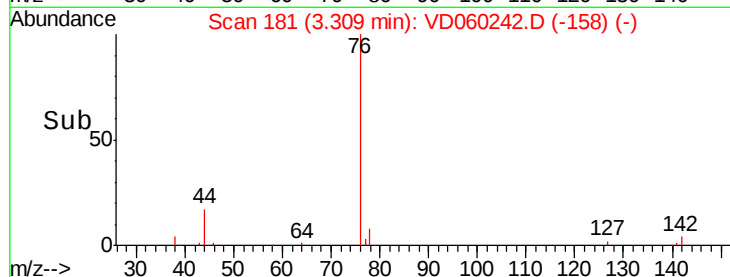
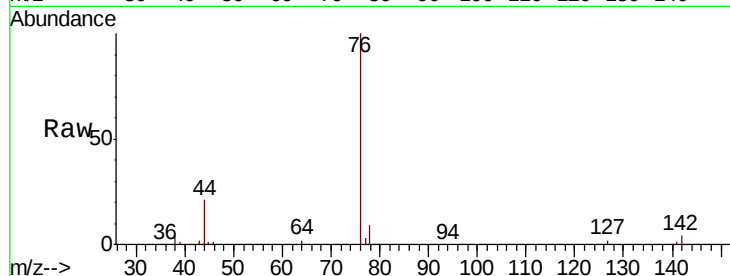
VD1031SBS01

Tot Ion: 76 Resp: 459509

Ion Ratio Lower Upper

76 100

78 8.8 7.4 11.2



#18

Methyl Acetate

Concen: 26.055 ug/l

RT: 3.56 min Scan# 206

Delta R.T. 0.02 min

Lab File: VD060242.D

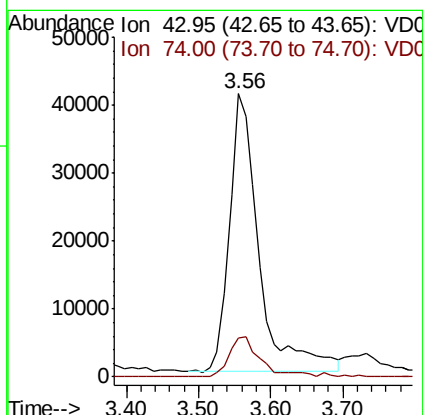
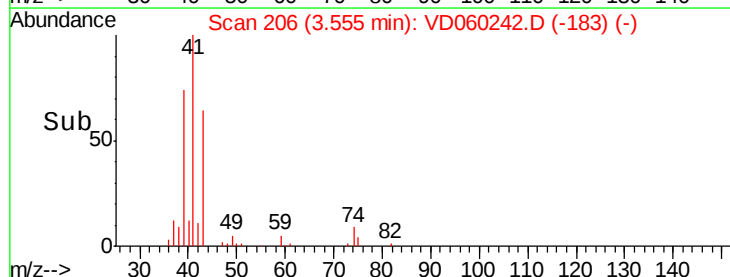
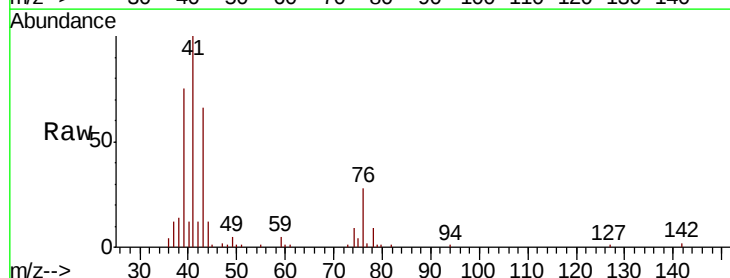
Acq: 31 Oct 2018 15:27

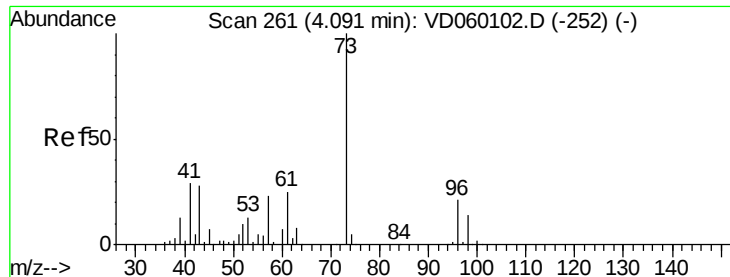
Tgt Ion: 43 Resp: 116062

Ion Ratio Lower Upper

43 100

74 13.6 12.6 19.0

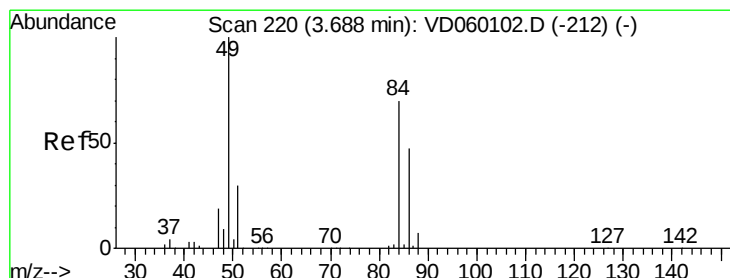
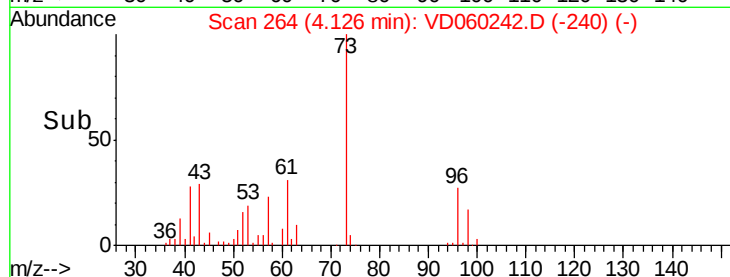
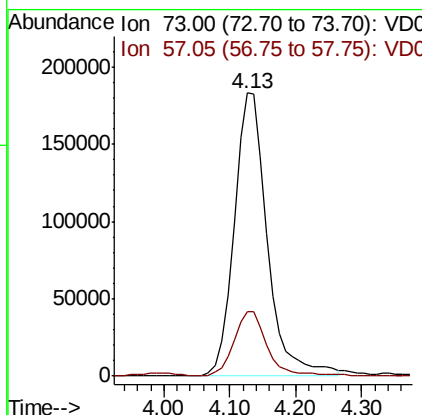
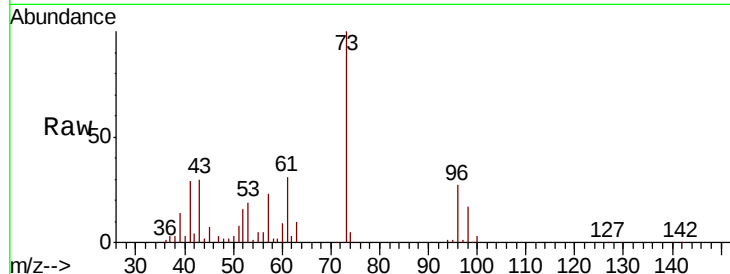




#19
Methyl tert-butyl Ether
Concen: 23.862 ug/l
RT: 4.13 min Scan# 264
Delta R.T. 0.03 min
Lab File: VD060242.D
Acq: 31 Oct 2018 15:27

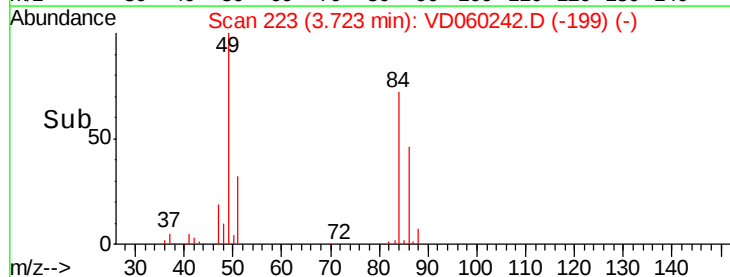
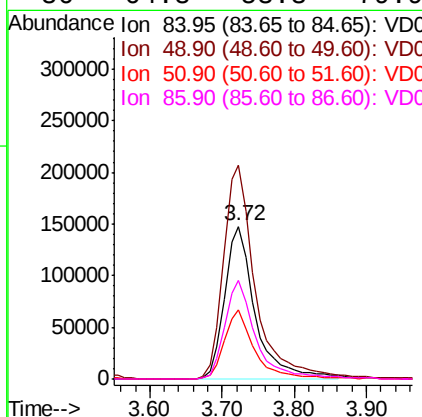
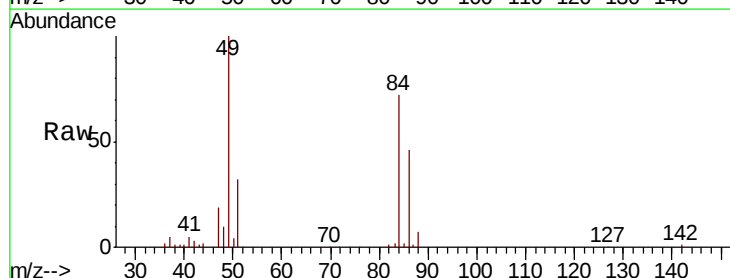
Instrument :
MSVOA_D
ClientSampleId :
VD1031SBS01

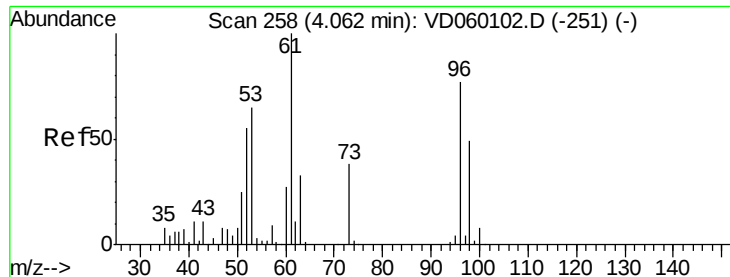
Tot Ion: 73 Resp: 644847
Ion Ratio Lower Upper
73 100
57 22.6 18.7 28.1



#20
Methylene Chloride
Concen: 24.532 ug/l
RT: 3.72 min Scan# 223
Delta R.T. 0.04 min
Lab File: VD060242.D
Acq: 31 Oct 2018 15:27

Tgt Ion: 84 Resp: 435921
Ion Ratio Lower Upper
84 100
49 139.7 114.6 172.0
51 45.0 33.8 50.8
86 64.8 53.3 79.9





#21

trans-1,2-Dichloroethene

Concen: 22.224 ug/l

RT: 4.10 min Scan# 261

Delta R.T. 0.03 min

Lab File: VD060242.D

Acq: 31 Oct 2018 15:27

Instrument :

MSVOA_D

ClientSampleId :

VD1031SBS01

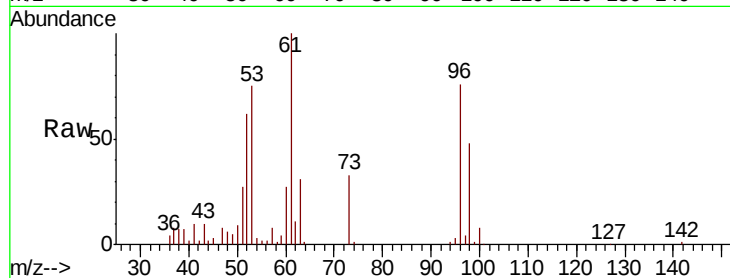
Tot Ion: 96 Resp: 352786

Ion Ratio Lower Upper

96 100

61 131.4 103.3 154.9

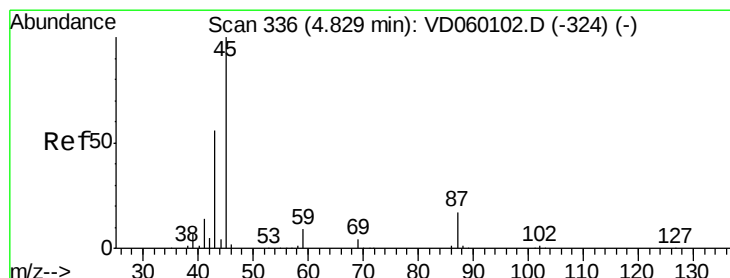
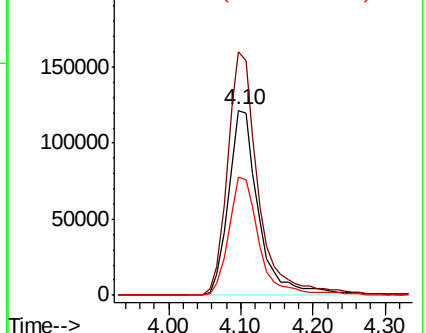
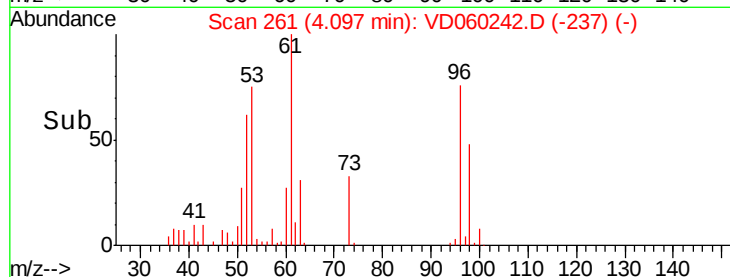
98 63.6 50.4 75.6



Abundance Ion 95.90 (95.60 to 96.60): VDC

Ion 60.95 (60.65 to 61.65): VDC

Ion 97.85 (97.55 to 98.55): VDC



#22

Diisopropyl ether

Concen: 23.842 ug/l

RT: 4.86 min Scan# 339

Delta R.T. 0.03 min

Lab File: VD060242.D

Acq: 31 Oct 2018 15:27

Tgt Ion: 45 Resp: 1359219

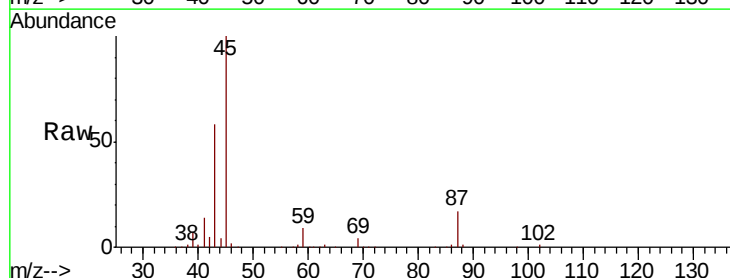
Ion Ratio Lower Upper

45 100

43 57.9 44.8 67.2

87 16.9 13.9 20.9

59 9.0 7.1 10.7

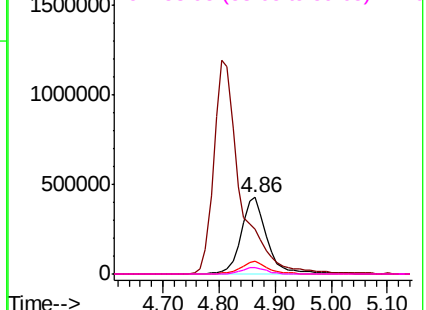
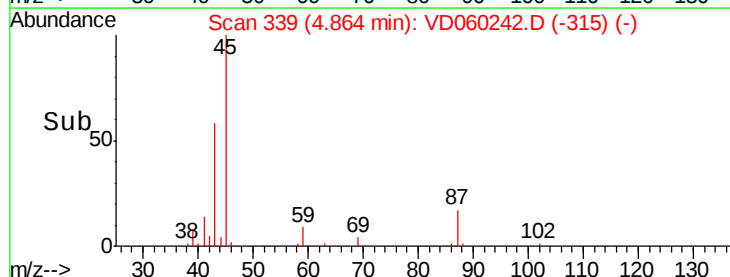


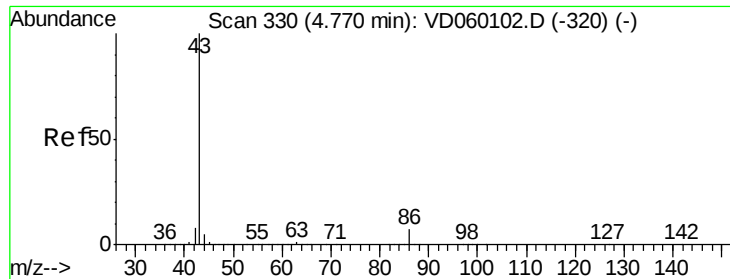
Abundance Ion 45.05 (44.75 to 45.75): VDC

Ion 43.05 (42.75 to 43.75): VDC

Ion 87.00 (86.70 to 87.70): VDC

Ion 58.95 (58.65 to 59.65): VDC





#23

Vinyl Acetate

Concen: 122.099 ug/l

RT: 4.81 min Scan# 333

Delta R.T. 0.03 min

Lab File: VD060242.D

Acq: 31 Oct 2018 15:27

Instrument :

MSVOA_D

ClientSampleId :

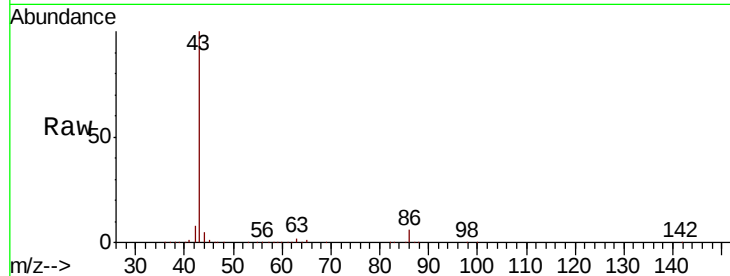
VD1031SBS01

Tot Ion: 43 Resp: 3912763

Ion Ratio Lower Upper

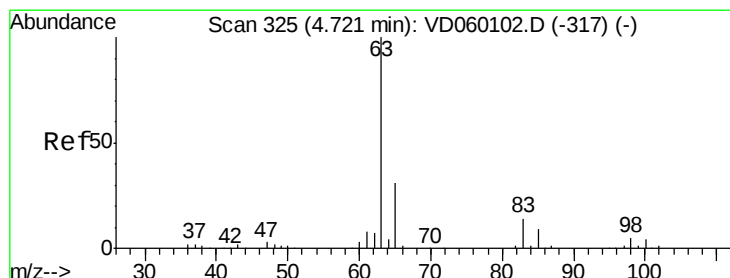
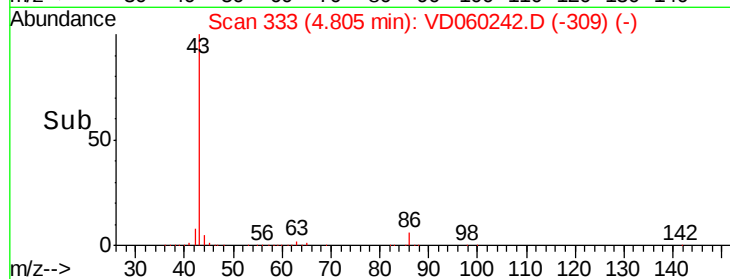
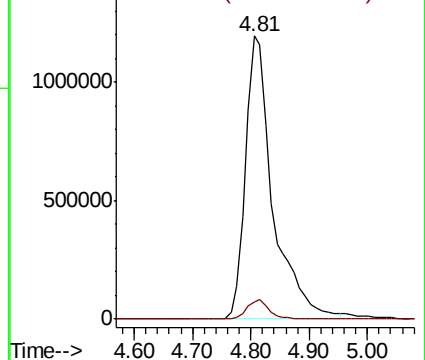
43 100

86 6.2 5.6 8.4



Abundance Ion 42.95 (42.65 to 43.65): VDC

Ion 86.00 (85.70 to 86.70): VDC



#24

1,1-Dichloroethane

Concen: 23.370 ug/l

RT: 4.76 min Scan# 328

Delta R.T. 0.03 min

Lab File: VD060242.D

Acq: 31 Oct 2018 15:27

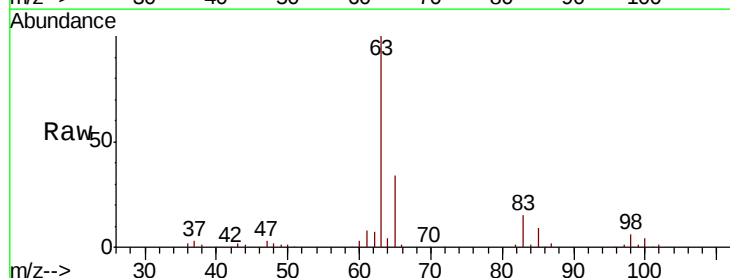
Tgt Ion: 63 Resp: 604100

Ion Ratio Lower Upper

63 100

98 6.0 2.8 8.3

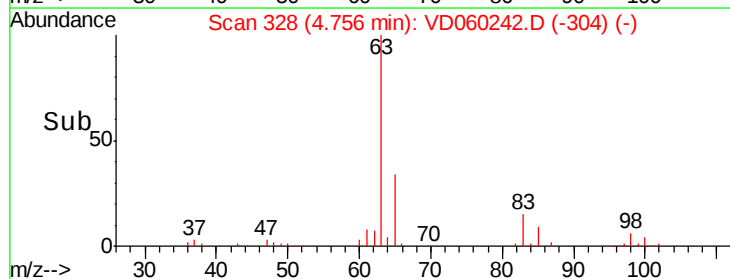
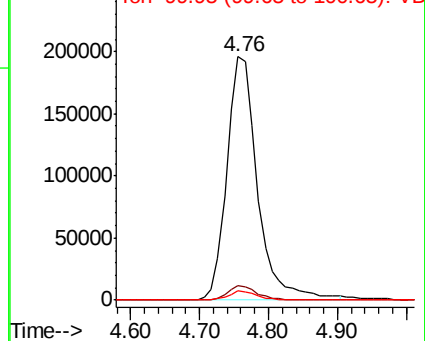
100 4.1 1.8 5.3

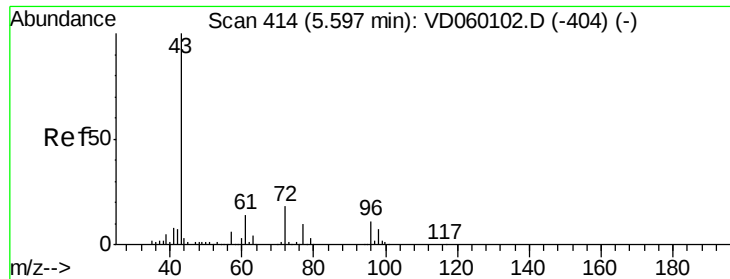


Abundance Ion 62.95 (62.65 to 63.65): VDC

Ion 97.95 (97.65 to 98.65): VDC

Ion 99.95 (99.65 to 100.65): VDC





#25

2-Butanone

Concen: 132.474 ug/l

RT: 5.63 min Scan# 417

Delta R.T. 0.03 min

Lab File: VD060242.D

Acq: 31 Oct 2018 15:27

Instrument :

MSVOA_D

ClientSampleId :

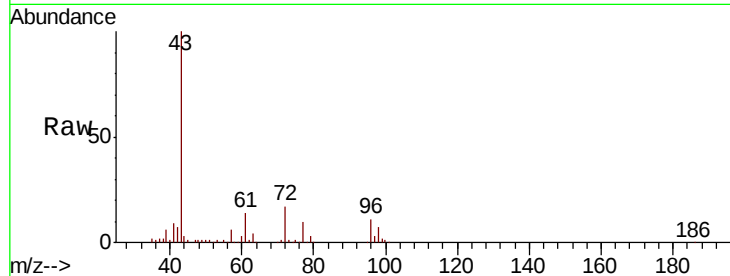
VD1031SBS01

Tot Ion: 43 Resp: 685888

Ion Ratio Lower Upper

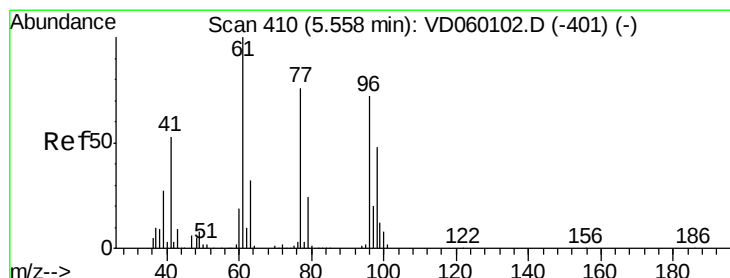
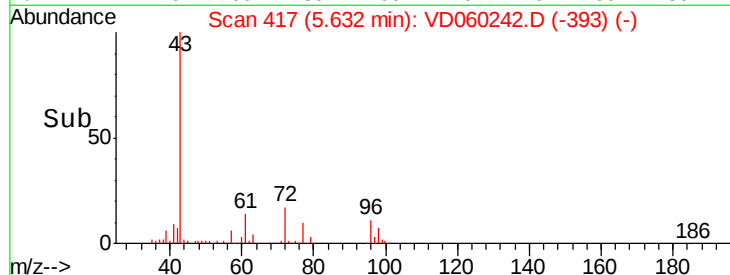
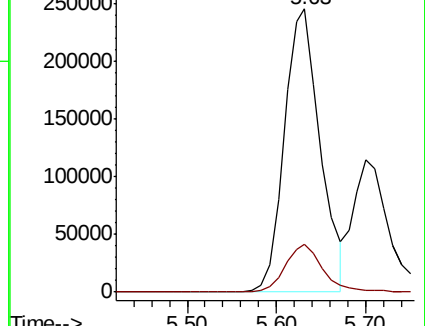
43 100

72 16.7 14.5 21.7



Abundance Ion 42.95 (42.65 to 43.65): VDC

Ion 72.00 (71.70 to 72.70): VDC



#26

2,2-Dichloropropane

Concen: 24.602 ug/l

RT: 5.59 min Scan# 413

Delta R.T. 0.03 min

Lab File: VD060242.D

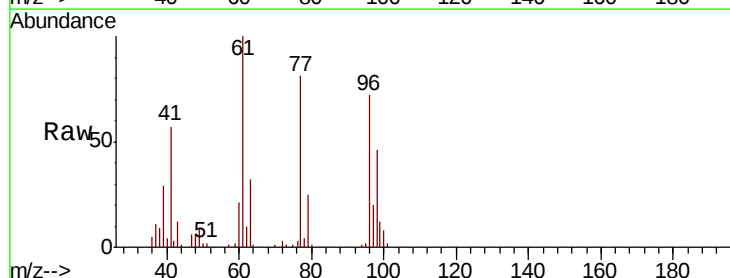
Acq: 31 Oct 2018 15:27

Tgt Ion: 77 Resp: 482097

Ion Ratio Lower Upper

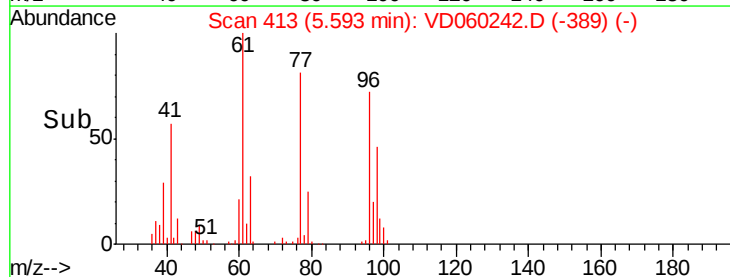
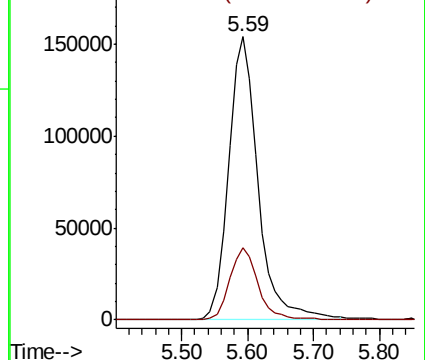
77 100

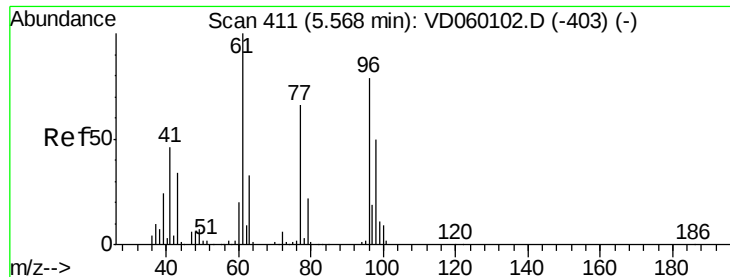
97 25.3 13.3 39.9



Abundance Ion 76.95 (76.65 to 77.65): VDC

Ion 96.85 (96.55 to 97.55): VDC



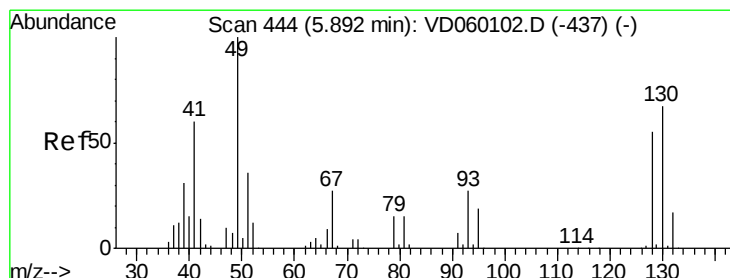
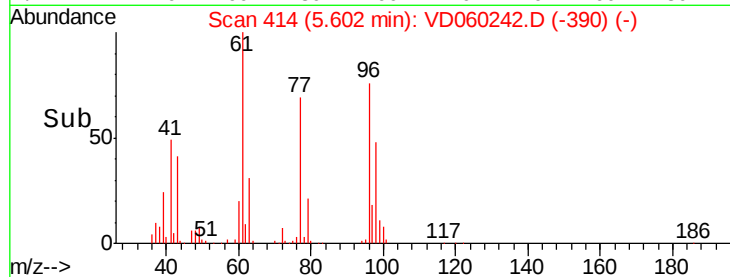
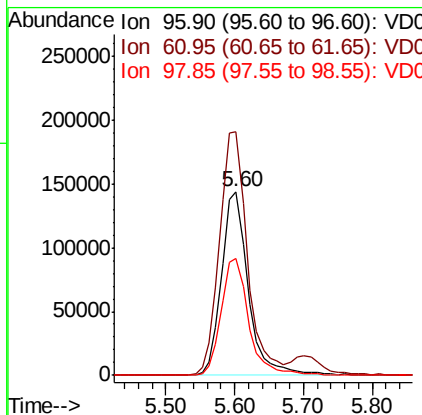
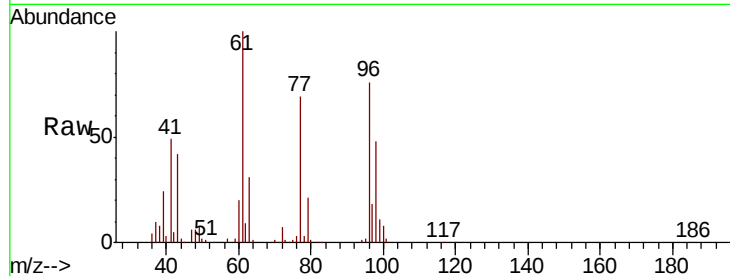


#27

cis-1,2-Dichloroethene
Concen: 23.185 ug/l
RT: 5.60 min Scan# 414
Delta R.T. 0.03 min
Lab File: VD060242.D
Acq: 31 Oct 2018 15:27

Instrument :
MSVOA_D
ClientSampleId :
VD1031SBS01

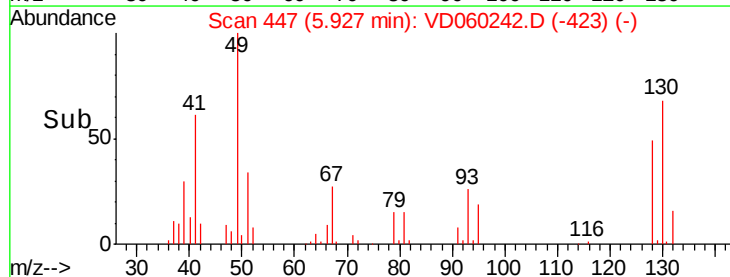
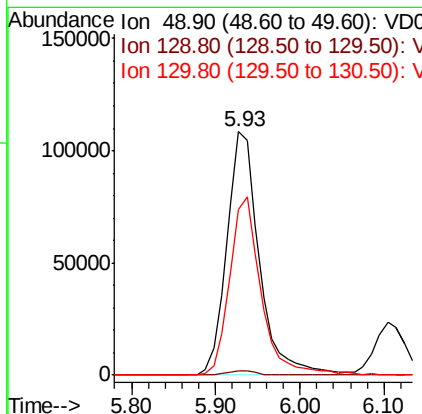
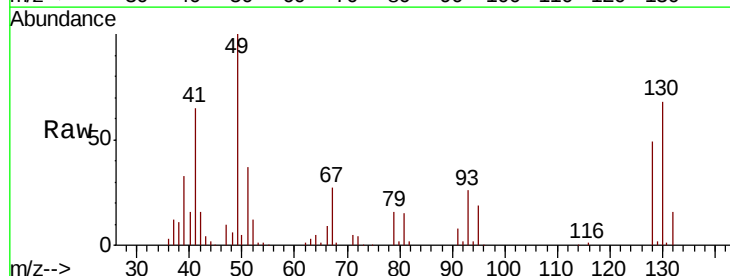
Tot Ion	Ratio	Lower	Upper
96	100		
61	132.3	0.0	251.8
98	63.5	0.0	125.2

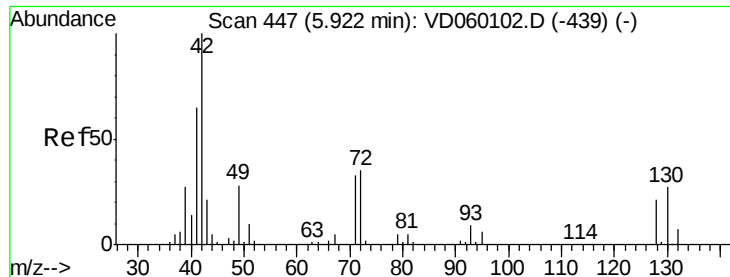


#28

Bromochloromethane
Concen: 23.212 ug/l
RT: 5.93 min Scan# 447
Delta R.T. 0.03 min
Lab File: VD060242.D
Acq: 31 Oct 2018 15:27

Tgt Ion	Ratio	Lower	Upper
49	100		
129	1.7	0.0	3.6
130	67.8	53.9	80.9





#29

Tetrahydrofuran

Concen: 118.520 ug/l

RT: 5.96 min Scan# 450

Delta R.T. 0.03 min

Lab File: VD060242.D

Acq: 31 Oct 2018 15:27

Instrument :

MSVOA_D

ClientSampleId :

VD1031SBS01

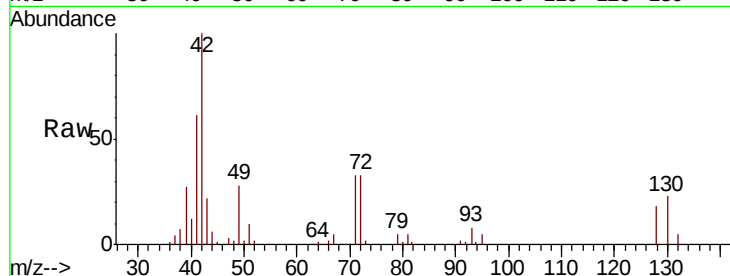
Tot Ion: 42 Resp: 356434

Ion Ratio Lower Upper

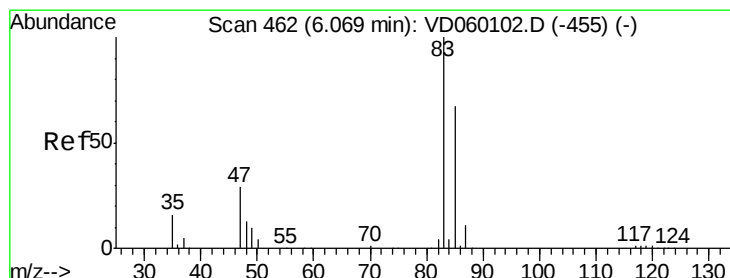
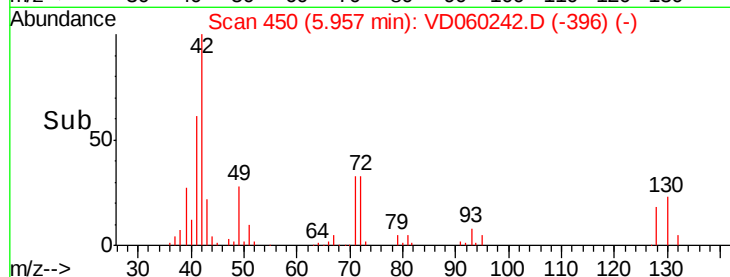
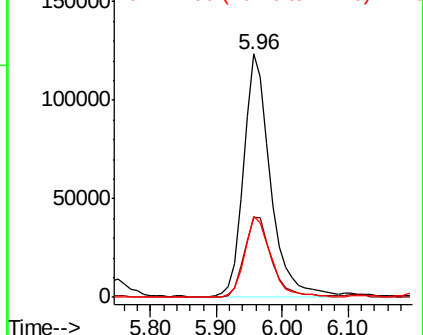
42 100

72 33.4 26.9 40.3

71 32.7 26.7 40.1



Abundance Ion 42.00 (41.70 to 42.70): VDC
Ion 72.00 (71.70 to 72.70): VDC
Ion 71.00 (70.70 to 71.70): VDC



#30

Chloroform

Concen: 23.851 ug/l

RT: 6.10 min Scan# 465

Delta R.T. 0.03 min

Lab File: VD060242.D

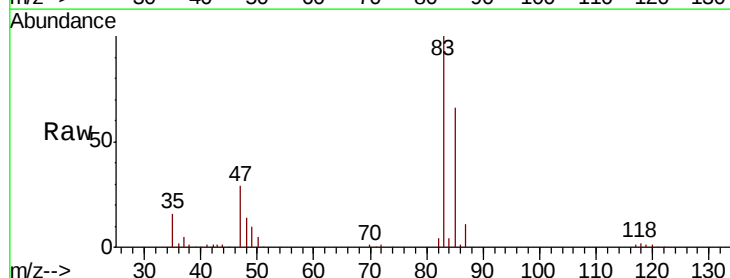
Acq: 31 Oct 2018 15:27

Tgt Ion: 83 Resp: 623643

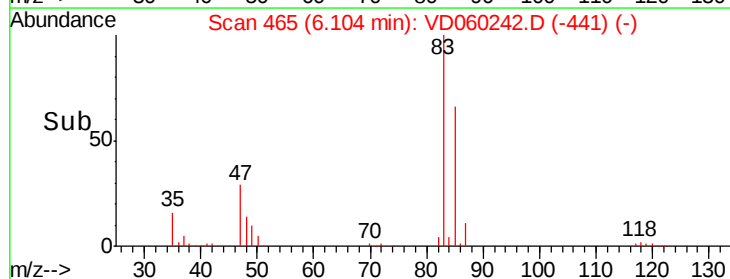
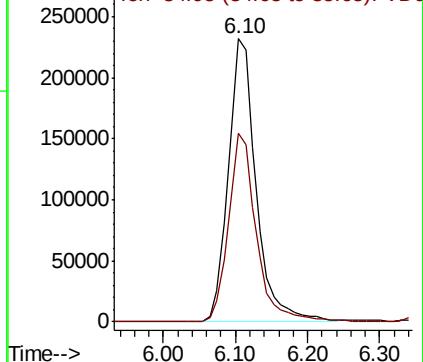
Ion Ratio Lower Upper

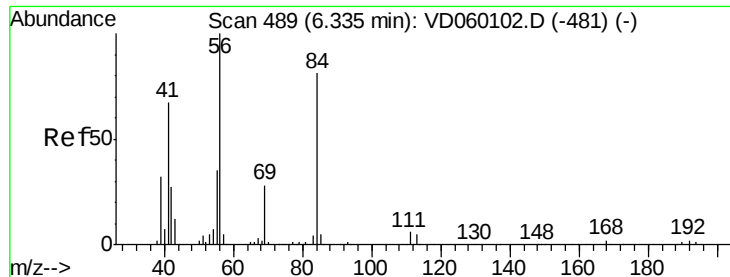
83 100

85 66.5 53.8 80.8



Abundance Ion 82.95 (82.65 to 83.65): VDC
Ion 84.95 (84.65 to 85.65): VDC

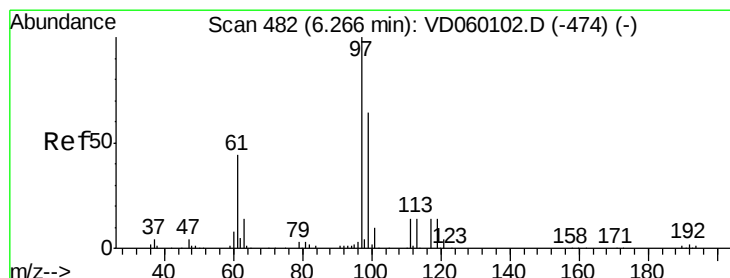
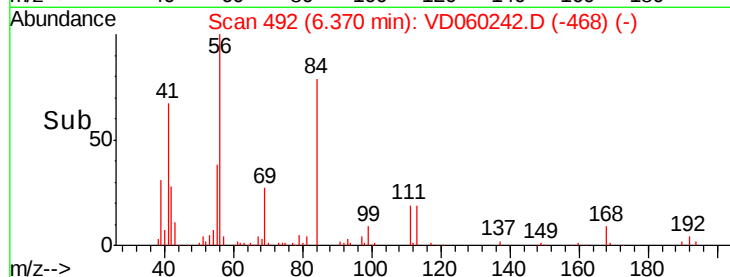
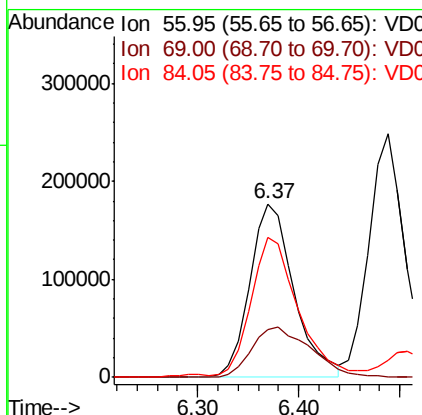
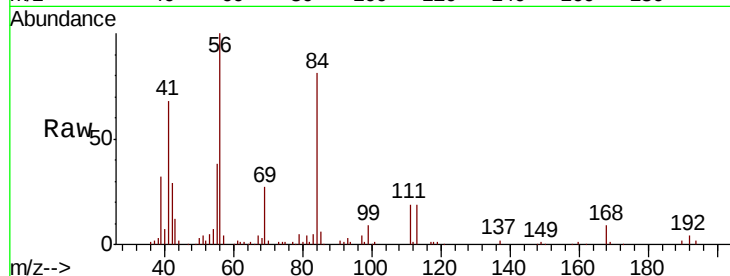




#31
Cyclohexane
Concen: 21.695 ug/l
RT: 6.37 min Scan# 492
Delta R.T. 0.03 min
Lab File: VD060242.D
Acq: 31 Oct 2018 15:27

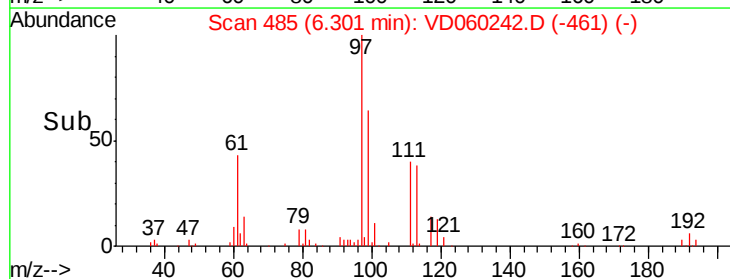
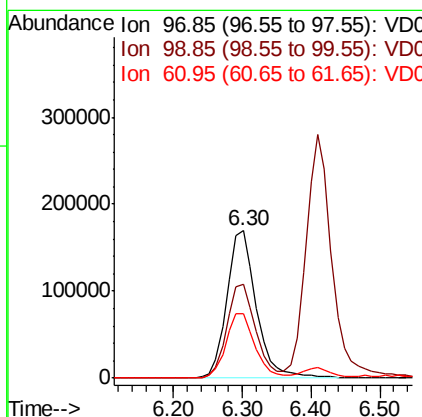
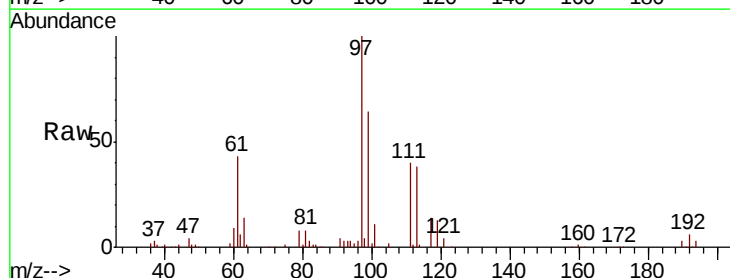
Instrument :
MSVOA_D
ClientSampleId :
VD1031SBS01

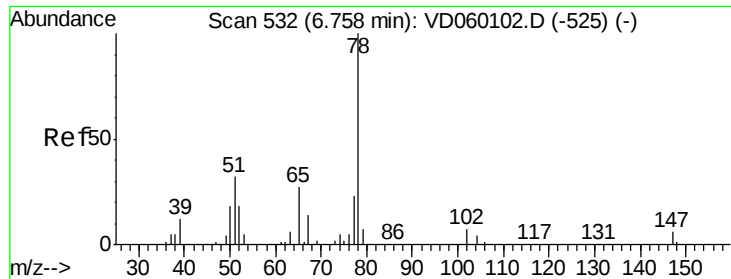
Tot Ion: 56 Resp: 536833
Ion Ratio Lower Upper
56 100
69 27.4 22.8 34.2
84 80.8 64.9 97.3



#32
1,1,1-Trichloroethane
Concen: 23.412 ug/l
RT: 6.30 min Scan# 485
Delta R.T. 0.03 min
Lab File: VD060242.D
Acq: 31 Oct 2018 15:27

Tgt Ion: 97 Resp: 501534
Ion Ratio Lower Upper
97 100
99 64.1 51.4 77.0
61 43.5 35.5 53.3

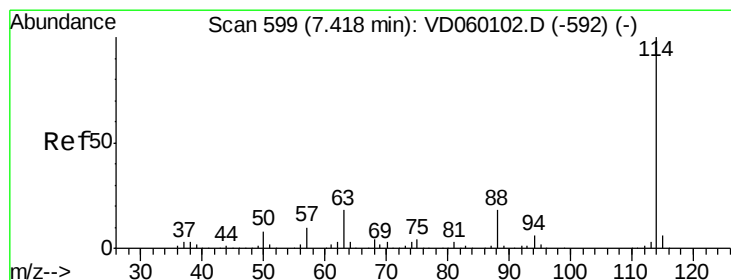
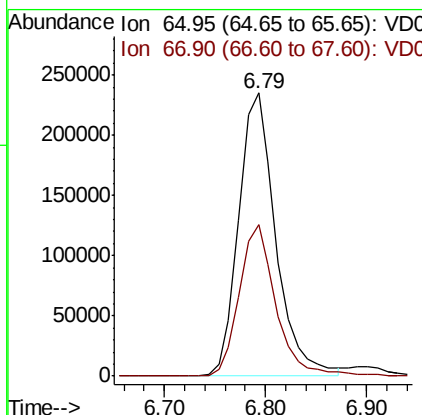
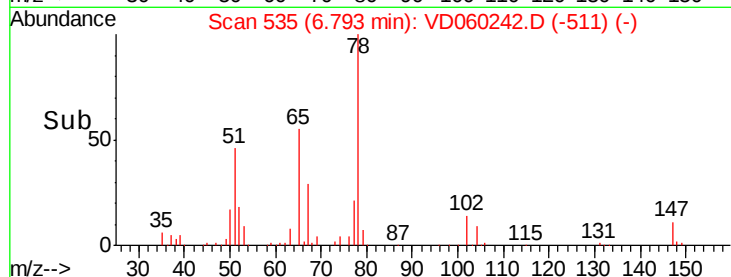
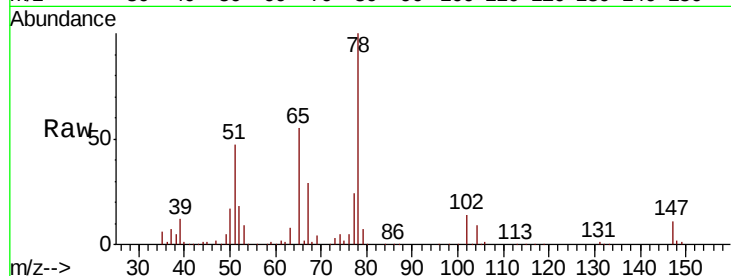




#33
 1,2-Dichloroethane-d4
 Concen: 23.412 ug/l
 RT: 6.79 min Scan# 535
 Delta R.T. 0.03 min
 Lab File: VD060242.D
 Acq: 31 Oct 2018 15:27

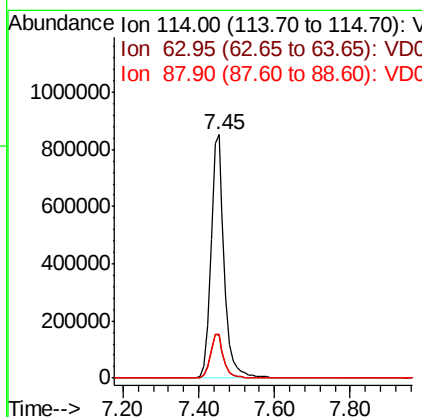
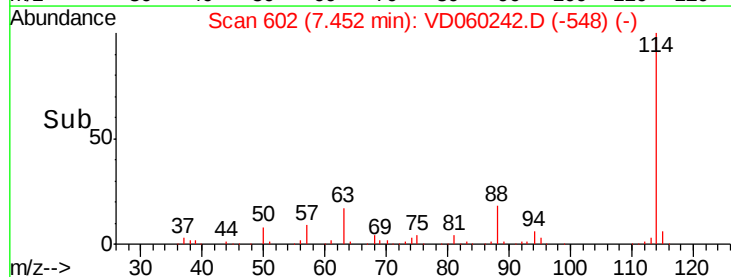
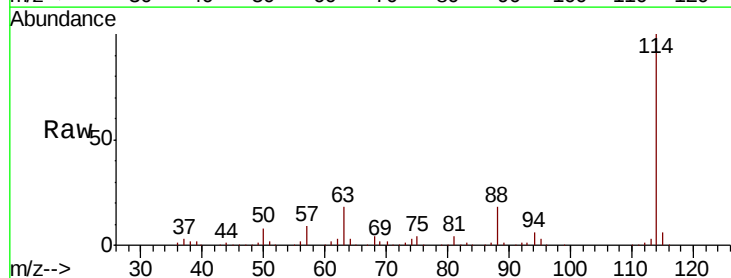
Instrument :
 MSVOA_D
 ClientSampleId :
 VD1031SBS01

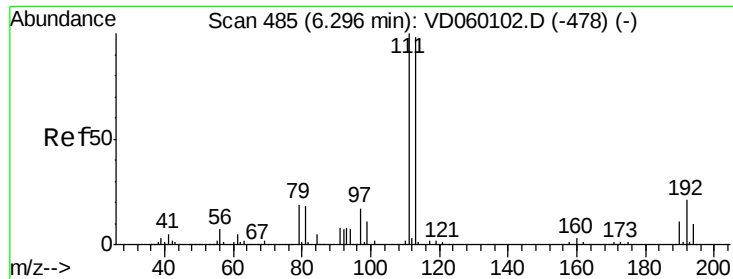
Tot Ion: 65 Resp: 602013
 Ion Ratio Lower Upper
 65 100
 67 53.7 0.0 106.2



#34
 1,4-Difluorobenzene
 Concen: 50.000 ug/l
 RT: 7.45 min Scan# 602
 Delta R.T. 0.03 min
 Lab File: VD060242.D
 Acq: 31 Oct 2018 15:27

Tgt Ion: 114 Resp: 2114744
 Ion Ratio Lower Upper
 114 100
 63 17.7 0.0 36.0
 88 18.1 0.0 36.2

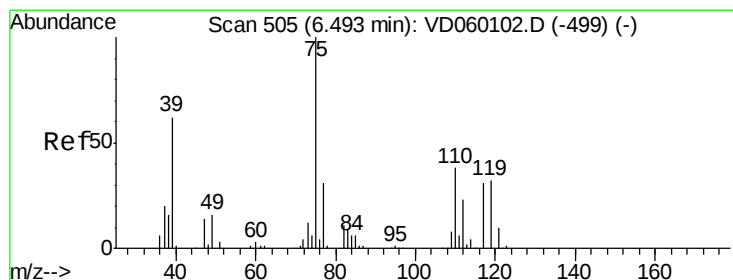
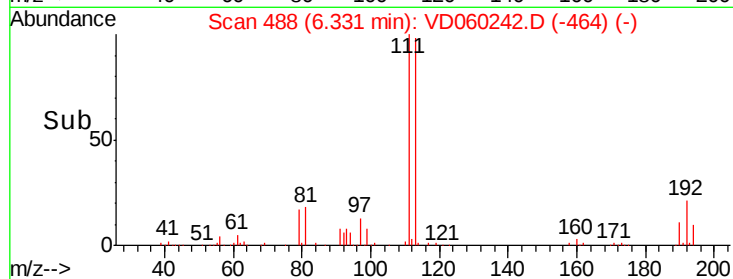
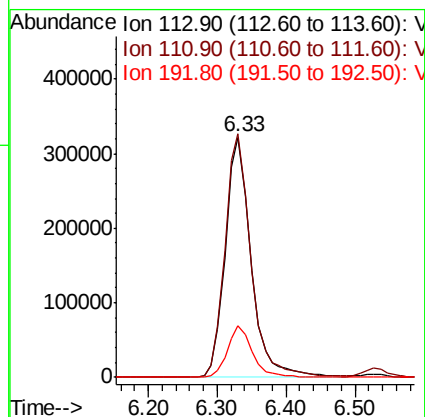
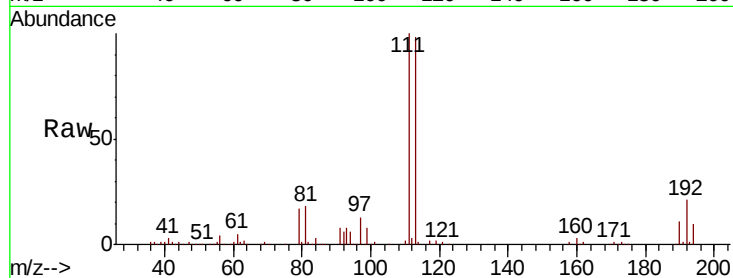




#35
 Dibromofluoromethane
 Concen: 50.000 ug/l
 RT: 6.33 min Scan# 488
 Delta R.T. 0.03 min
 Lab File: VD060242.D
 Acq: 31 Oct 2018 15:27

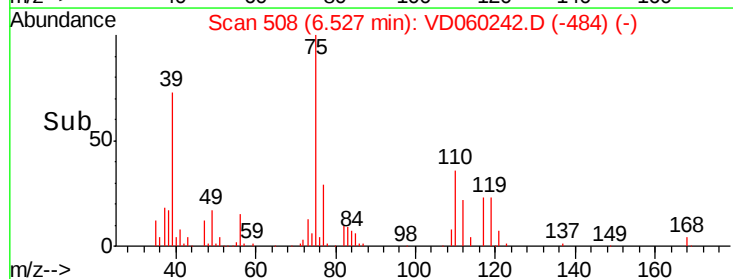
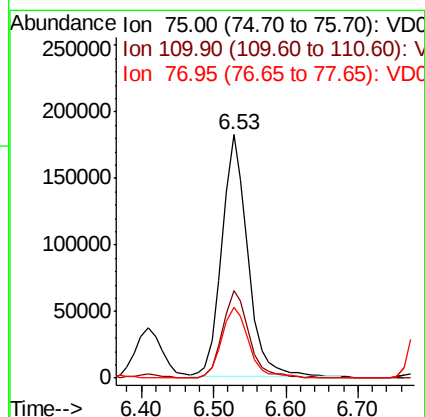
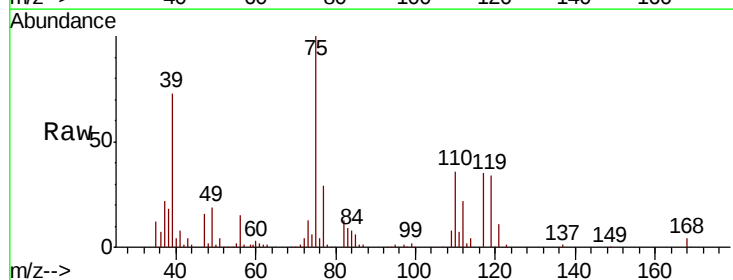
Instrument :
 MSVOA_D
 ClientSampleId :
 VD1031SBS01

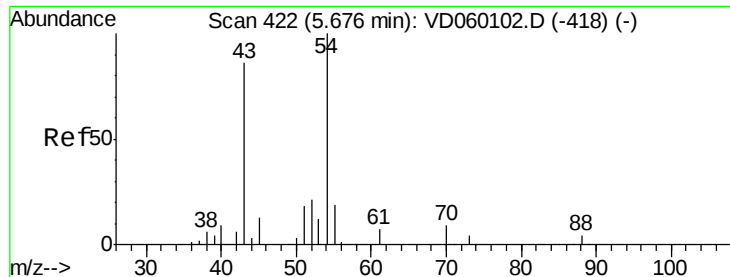
Tot Ion:113 Resp: 837273
 Ion Ratio Lower Upper
 113 100
 111 101.6 81.5 122.3
 192 21.6 17.4 26.0



#36
 1,1-Dichloropropene
 Concen: 22.407 ug/l
 RT: 6.53 min Scan# 508
 Delta R.T. 0.03 min
 Lab File: VD060242.D
 Acq: 31 Oct 2018 15:27

Tgt Ion: 75 Resp: 452799
 Ion Ratio Lower Upper
 75 100
 110 35.7 19.0 57.0
 77 29.2 24.9 37.3

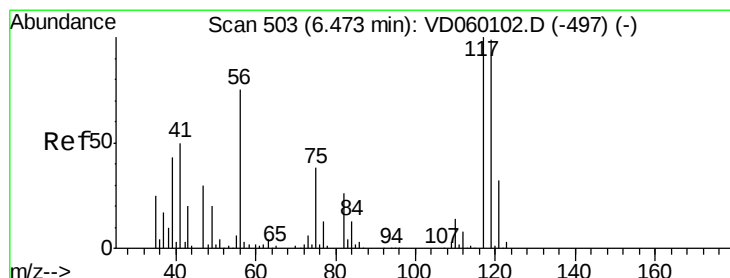
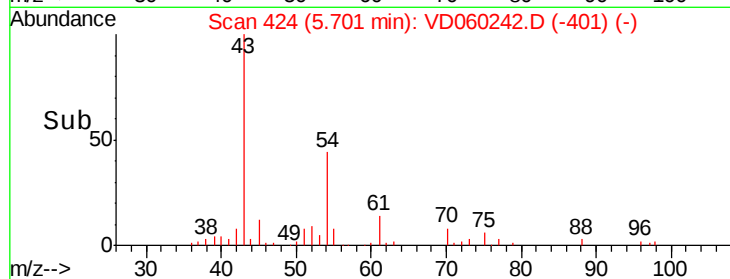
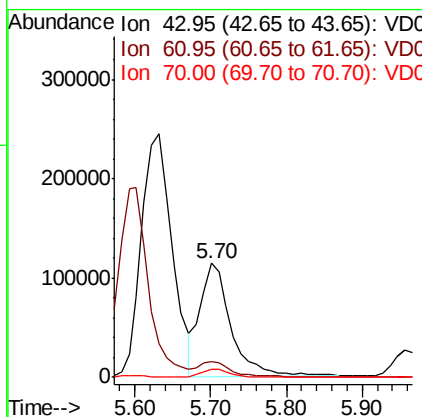
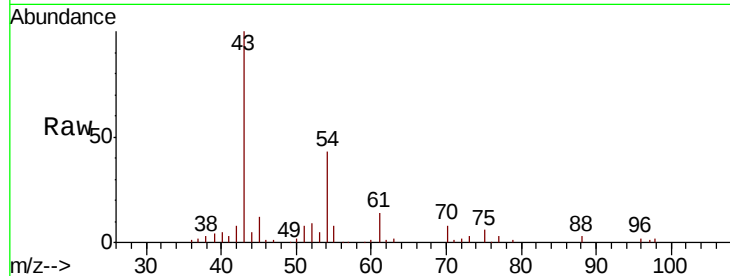




#37
Ethyl Acetate
Concen: 24.064 ug/l
RT: 5.70 min Scan# 424
Delta R.T. 0.02 min
Lab File: VD060242.D
Acq: 31 Oct 2018 15:27

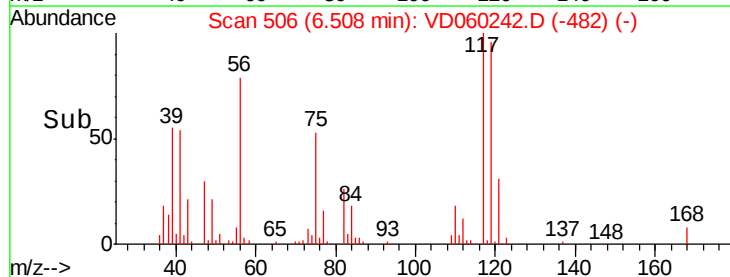
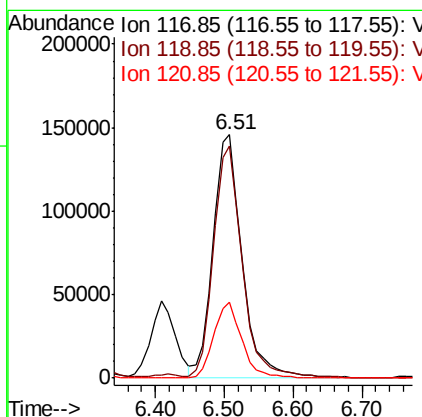
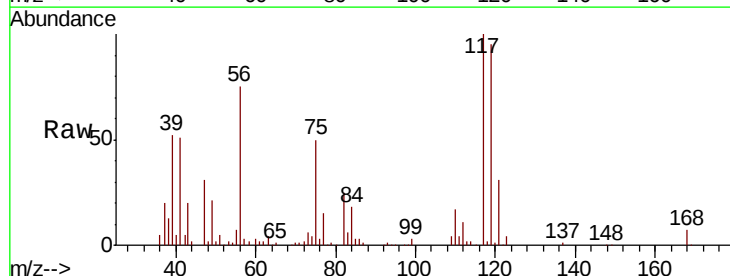
Instrument :
MSVOA_D
ClientSampleId :
VD1031SBS01

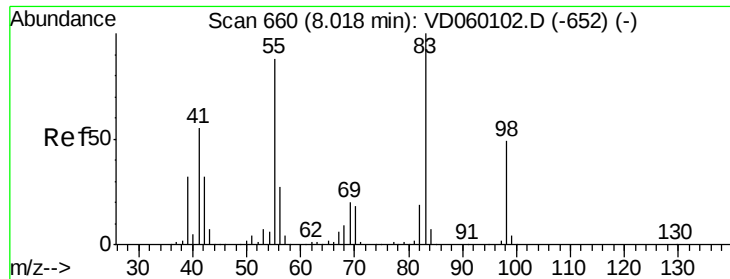
Tot Ion: 43 Resp: 322777
Ion Ratio Lower Upper
43 100
61 13.6 10.5 15.7
70 7.6 6.3 9.5



#38
Carbon Tetrachloride
Concen: 22.904 ug/l
RT: 6.51 min Scan# 506
Delta R.T. 0.03 min
Lab File: VD060242.D
Acq: 31 Oct 2018 15:27

Tgt Ion: 117 Resp: 420084
Ion Ratio Lower Upper
117 100
119 95.3 77.8 116.6
121 31.1 24.8 37.2

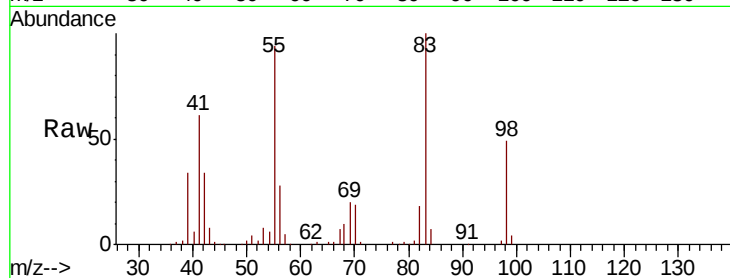




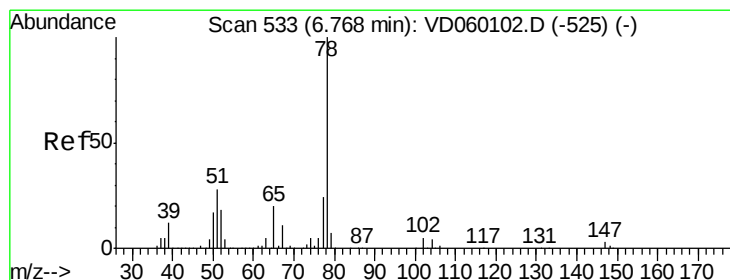
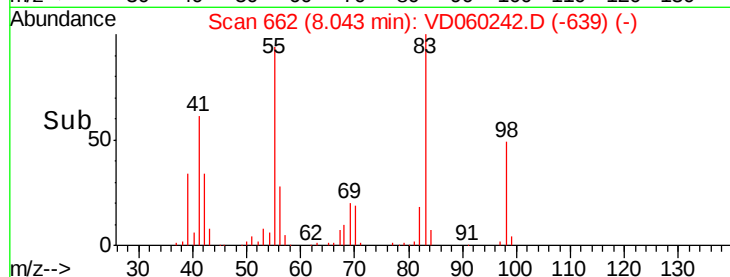
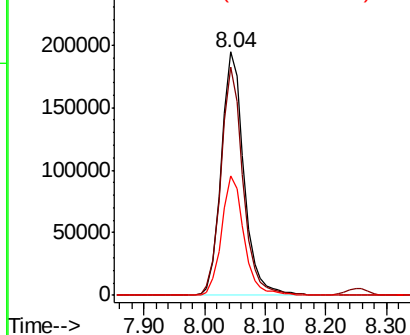
#39
Methvlcvclohexane
Concen: 22.006 ug/l
RT: 8.04 min Scan# 662
Delta R.T. 0.02 min
Lab File: VD060242.D
Acq: 31 Oct 2018 15:27

Instrument :
MSVOA_D
ClientSampleId :
VD1031SBS01

Tot Ion: 83 Resp: 505268
Ion Ratio Lower Upper
83 100
55 93.6 70.5 105.7
98 48.8 39.4 59.2

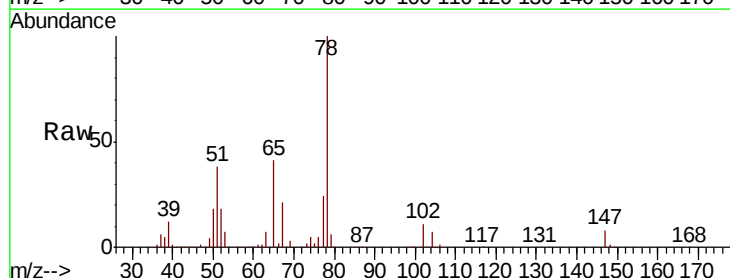


Abundance Ion 83.05 (82.75 to 83.75): VDC
Ion 55.00 (54.70 to 55.70): VDC
Ion 98.05 (97.75 to 98.75): VDC

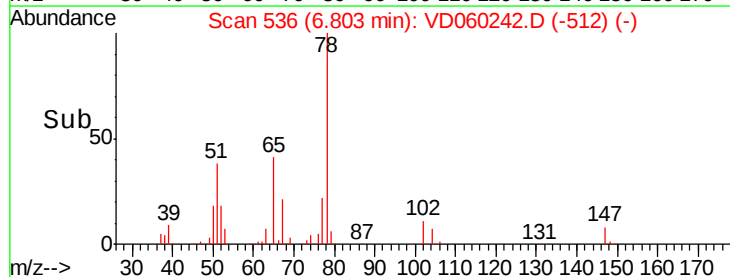
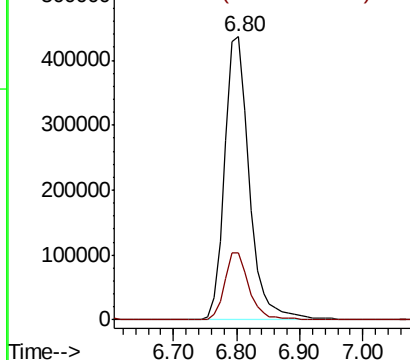


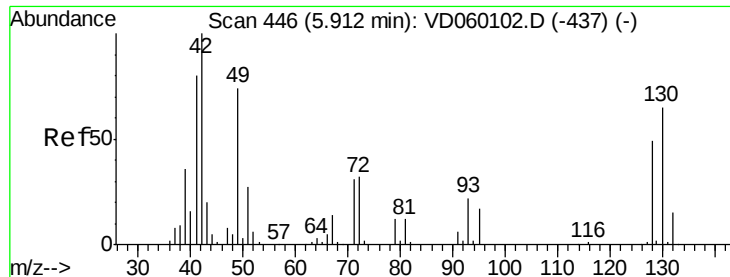
#40
Benzene
Concen: 22.414 ug/l
RT: 6.80 min Scan# 536
Delta R.T. 0.03 min
Lab File: VD060242.D
Acq: 31 Oct 2018 15:27

Tgt Ion: 78 Resp: 1184990
Ion Ratio Lower Upper
78 100
77 23.7 19.0 28.4



Abundance Ion 77.95 (77.65 to 78.65): VDC
Ion 76.95 (76.65 to 77.65): VDC





#41

Methacrylonitrile

Concen: 47.039 ug/l

RT: 5.96 min Scan# 450

Delta R.T. 0.04 min

Lab File: VD060242.D

Acq: 31 Oct 2018 15:27

Instrument :

MSVOA_D

ClientSampleId :

VD1031SBS01

Tot Ion: 41 Resp: 356630

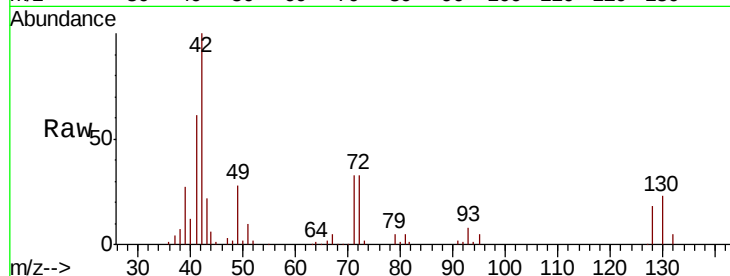
Ion Ratio Lower Upper

41 100

39 45.2 36.0 54.0

67 7.7 13.9 20.9#

52 4.1 6.1 9.1#

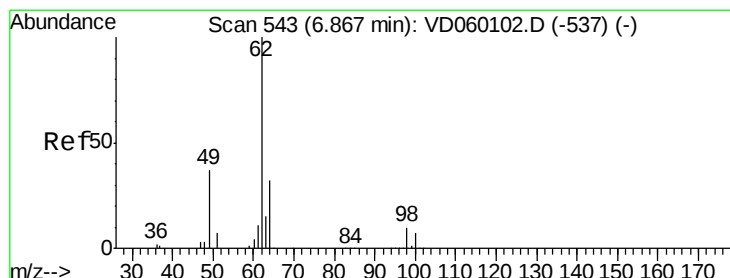
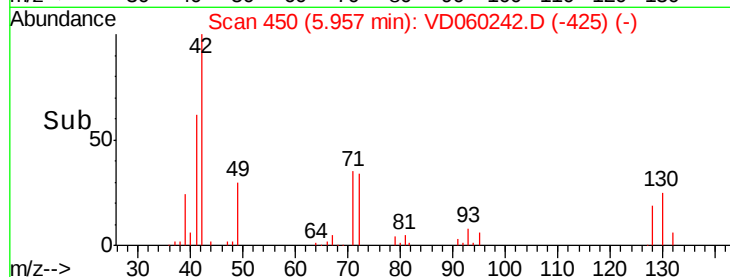
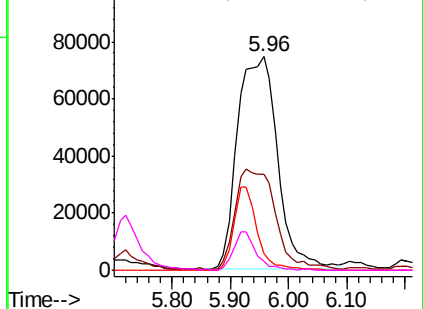


Abundance Ion 40.95 (40.65 to 41.65): VDC

Ion 38.95 (38.65 to 39.65): VDC

Ion 67.00 (66.70 to 67.70): VDC

Ion 52.00 (51.70 to 52.70): VDC



#42

1,2-Dichloroethane

Concen: 23.155 ug/l

RT: 6.90 min Scan# 546

Delta R.T. 0.03 min

Lab File: VD060242.D

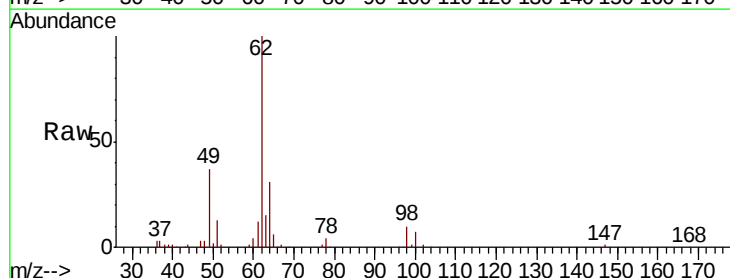
Acq: 31 Oct 2018 15:27

Tgt Ion: 62 Resp: 350968

Ion Ratio Lower Upper

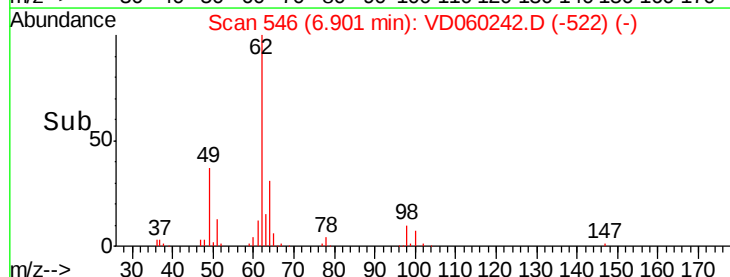
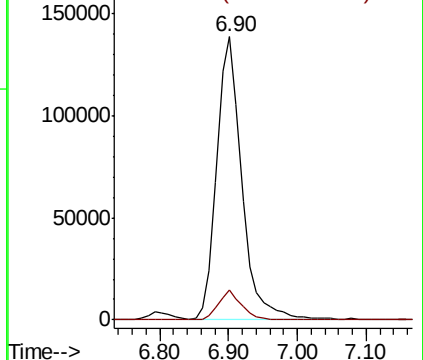
62 100

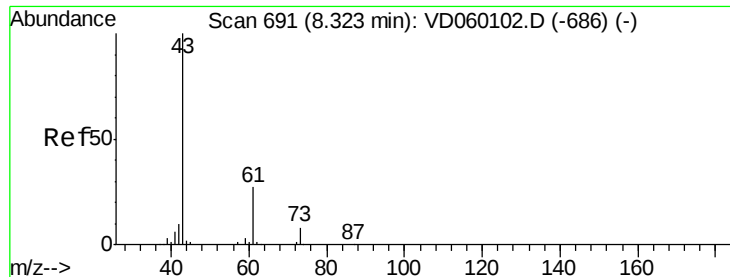
98 10.4 0.0 20.6



Abundance Ion 61.95 (61.65 to 62.65): VDC

Ion 97.85 (97.55 to 98.55): VDC



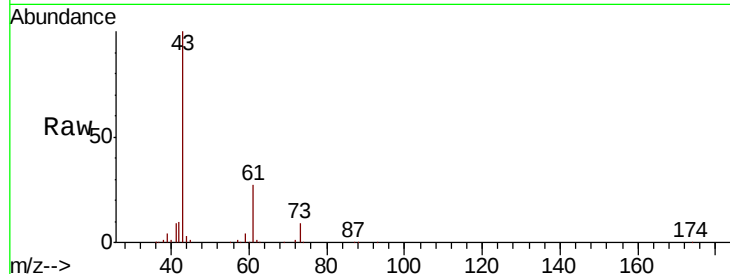


#43

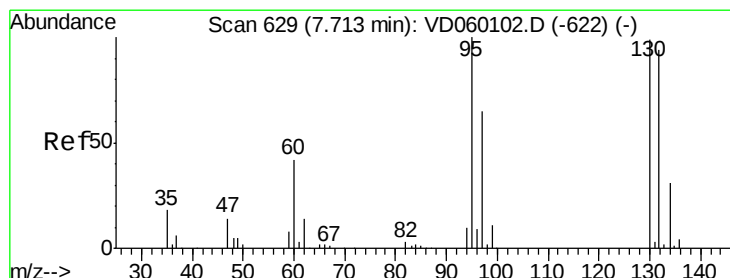
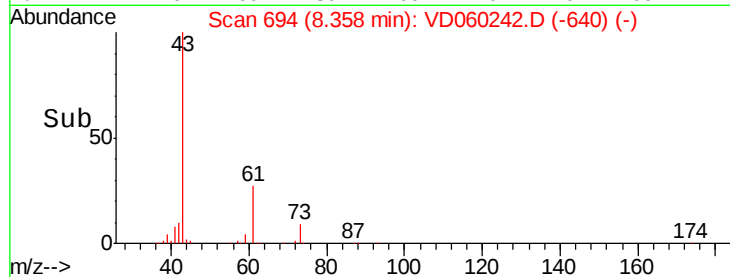
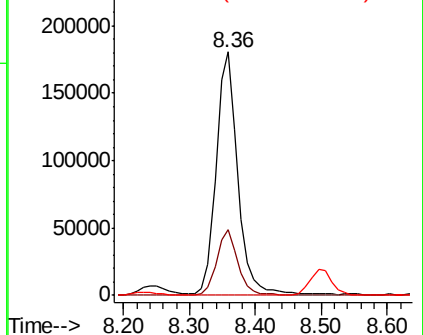
Isopropyl Acetate
 Concen: 22.957 ug/l
 RT: 8.36 min Scan# 694
 Delta R.T. 0.03 min
 Lab File: VD060242.D
 Acq: 31 Oct 2018 15:27

Instrument :
 MSVOA_D
 ClientSampleId :
 VD1031SBS01

Tot Ion: 43 Resp: 405112
 Ion Ratio Lower Upper
 43 100
 61 27.2 21.4 32.2
 87 0.2 0.2 0.2



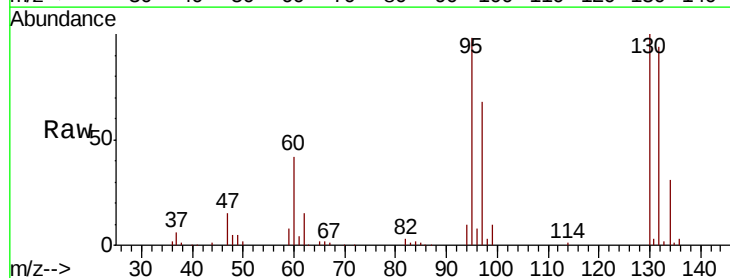
Abundance Ion 42.95 (42.65 to 43.65): VDC
 Ion 60.95 (60.65 to 61.65): VDC
 Ion 87.00 (86.70 to 87.70): VDC



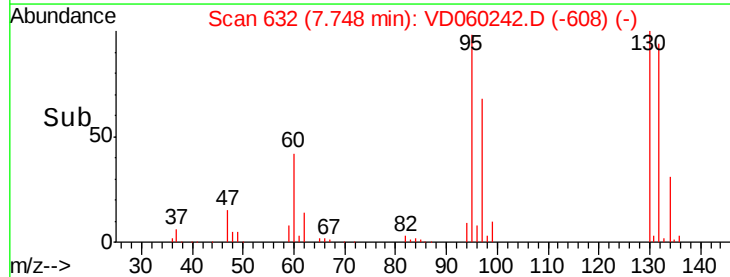
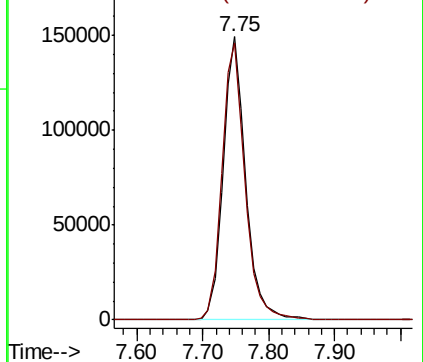
#44

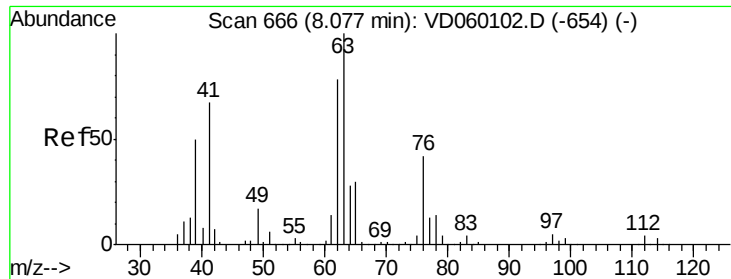
Trichloroethene
 Concen: 21.829 ug/l
 RT: 7.75 min Scan# 632
 Delta R.T. 0.03 min
 Lab File: VD060242.D
 Acq: 31 Oct 2018 15:27

Tgt Ion: 130 Resp: 357243
 Ion Ratio Lower Upper
 130 100
 95 98.1 0.0 202.2



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





#45

1,2-Dichloropropane

Concen: 22.875 ug/l

RT: 8.11 min Scan# 669

Delta R.T. 0.03 min

Lab File: VD060242.D

Acq: 31 Oct 2018 15:27

Instrument :

MSVOA_D

ClientSampleId :

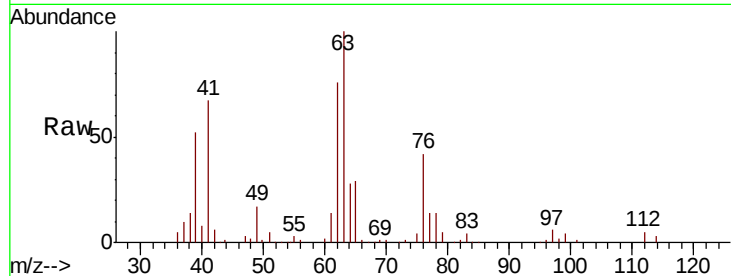
VD1031SBS01

Tot Ion: 63 Resp: 316659

Ion Ratio Lower Upper

63 100

65 28.7 24.1 36.1



Abundance Ion 62.95 (62.65 to 63.65): VDC

Ion 64.95 (64.65 to 65.65): VDC

150000

100000

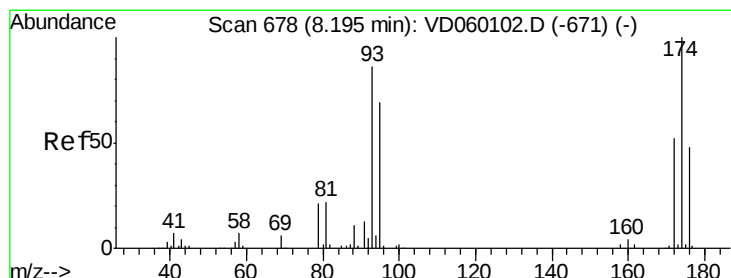
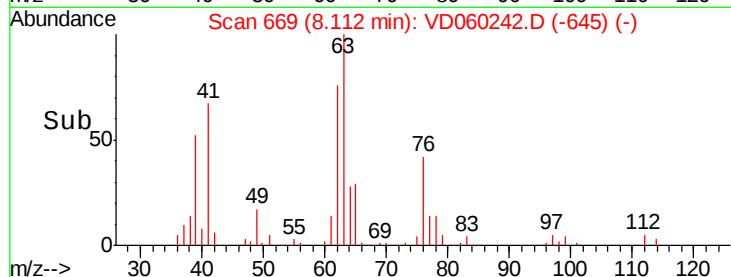
50000

0

8.11

8.10 8.20 8.30

Time-->



#46

Dibromomethane

Concen: 22.658 ug/l

RT: 8.22 min Scan# 680

Delta R.T. 0.02 min

Lab File: VD060242.D

Acq: 31 Oct 2018 15:27

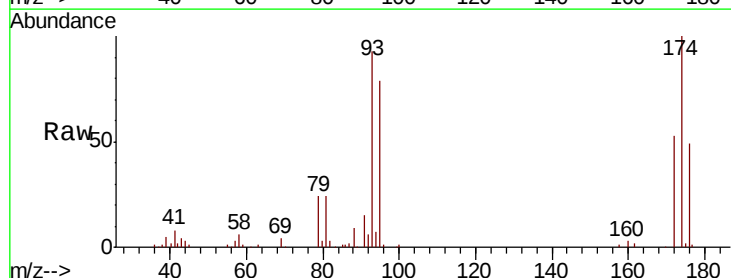
Tgt Ion: 93 Resp: 203069

Ion Ratio Lower Upper

93 100

95 85.4 63.8 95.6

174 108.0 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): V

100000

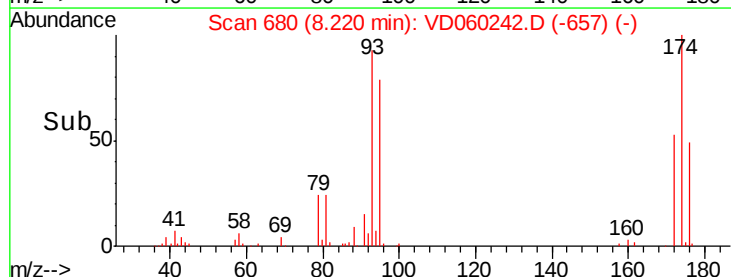
50000

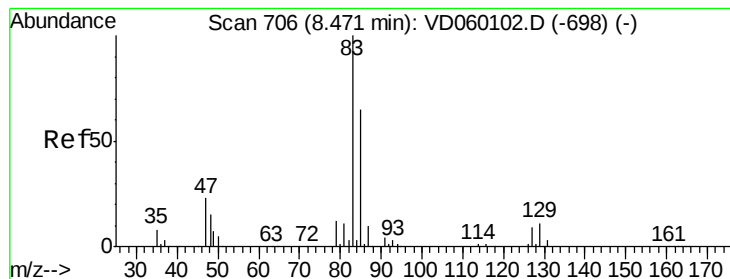
0

8.22

8.10 8.20 8.30 8.40

Time-->





#47

Bromodichloromethane

Concen: 22.931 ug/l

RT: 8.50 min Scan# 708

Delta R.T. 0.02 min

Lab File: VD060242.D

Acq: 31 Oct 2018 15:27

Instrument :

MSVOA_D

ClientSampleId :

VD1031SBS01

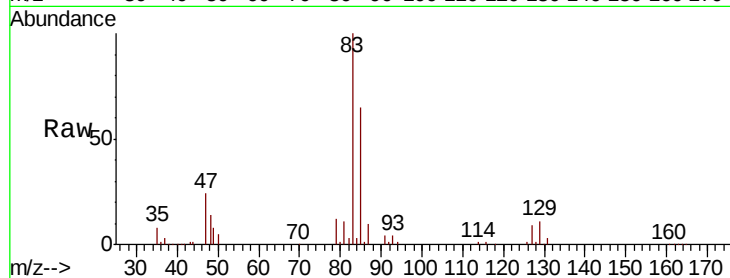
Tot Ion: 83 Resp: 437888

Ion Ratio Lower Upper

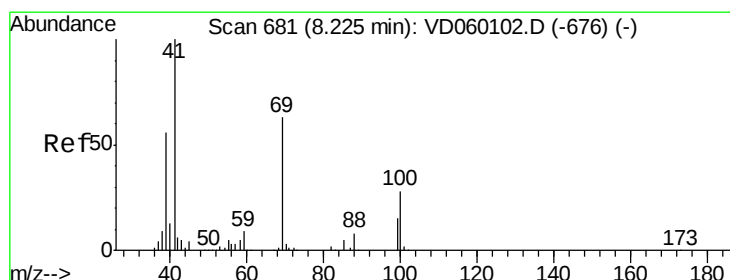
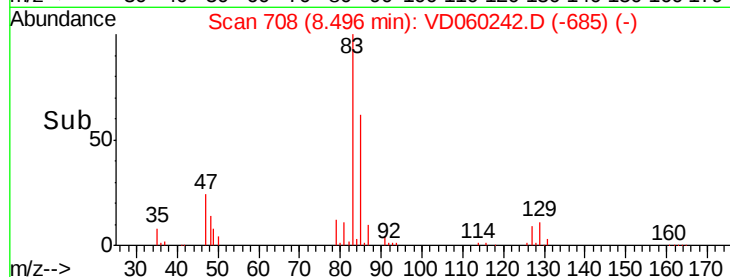
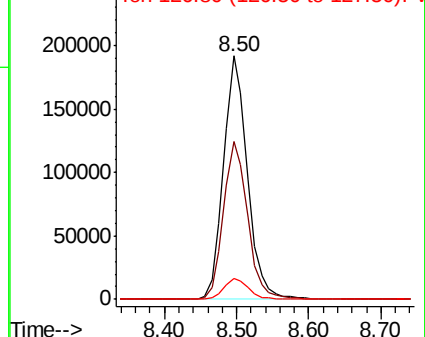
83 100

85 64.6 52.2 78.2

127 8.5 7.4 11.0



Abundance Ion 82.85 (82.55 to 83.55): VDC
Ion 84.95 (84.65 to 85.65): VDC
Ion 126.80 (126.50 to 127.50): VDC



#48

Methyl methacrylate

Concen: 23.360 ug/l

RT: 8.25 min Scan# 683

Delta R.T. 0.02 min

Lab File: VD060242.D

Acq: 31 Oct 2018 15:27

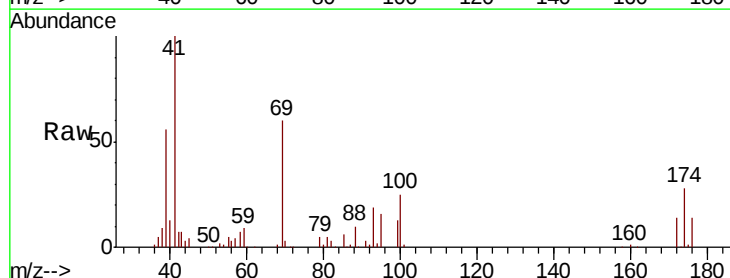
Tgt Ion: 41 Resp: 234808

Ion Ratio Lower Upper

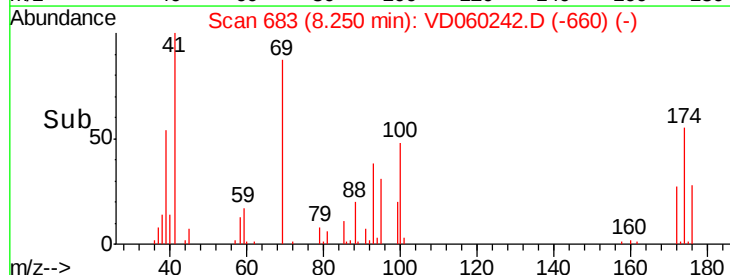
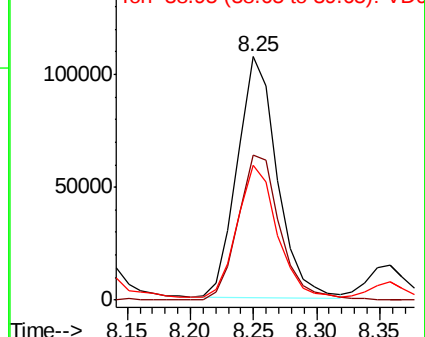
41 100

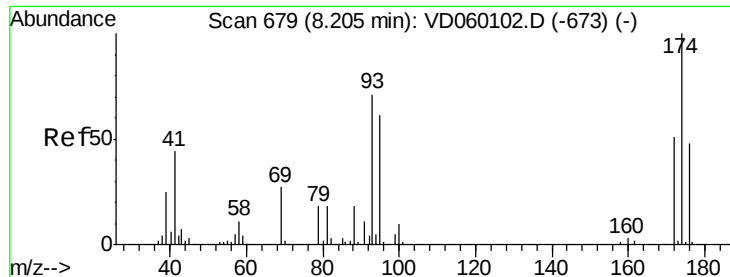
69 59.6 49.7 74.5

39 55.5 45.2 67.8



Abundance Ion 40.95 (40.65 to 41.65): VDC
Ion 69.00 (68.70 to 69.70): VDC
Ion 38.95 (38.65 to 39.65): VDC

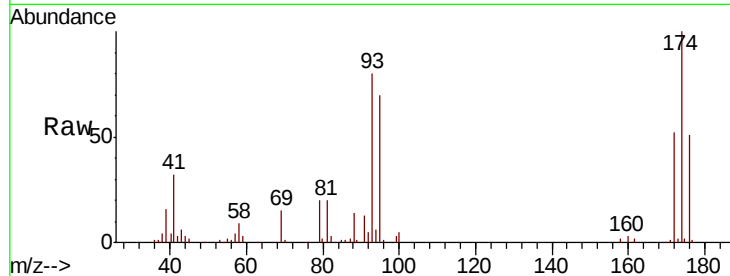




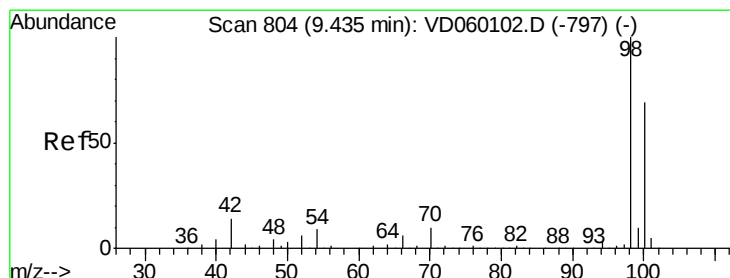
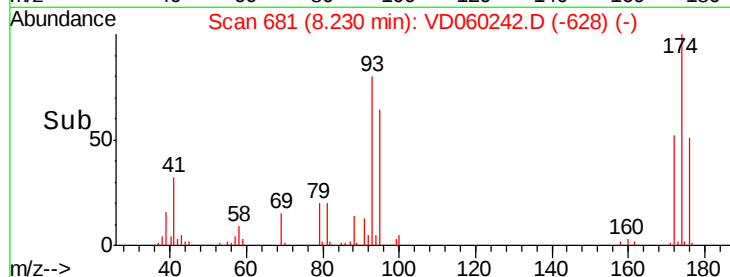
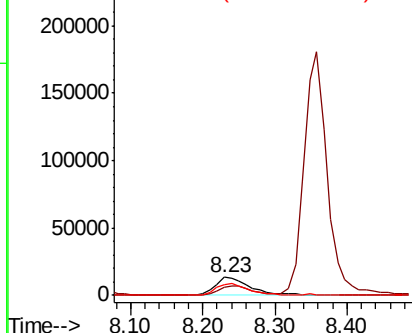
#49
1,4-Dioxane
Concen: 450.897 ug/l
RT: 8.23 min Scan# 681
Delta R.T. 0.02 min
Lab File: VD060242.D
Acq: 31 Oct 2018 15:27

Instrument :
MSVOA_D
ClientSampleId :
VD1031SBS01

Tot Ion: 88 Resp: 44595
Ion Ratio Lower Upper
88 100
43 43.5 33.7 50.5
58 62.6 49.1 73.7

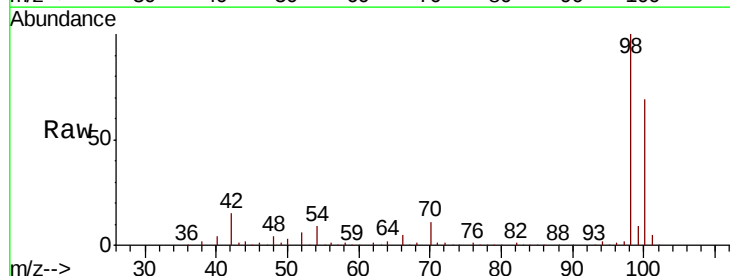


Abundance Ion 88.00 (87.70 to 88.70): VDC
Ion 43.05 (42.75 to 43.75): VDC
Ion 57.95 (57.65 to 58.65): VDC

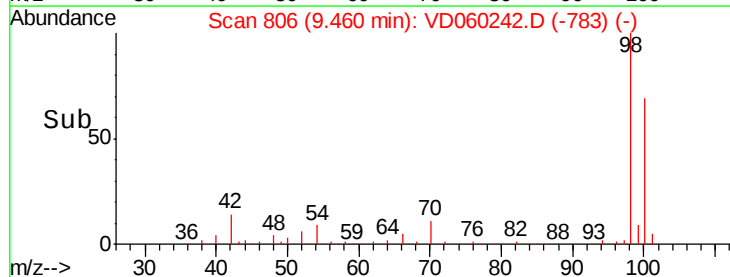
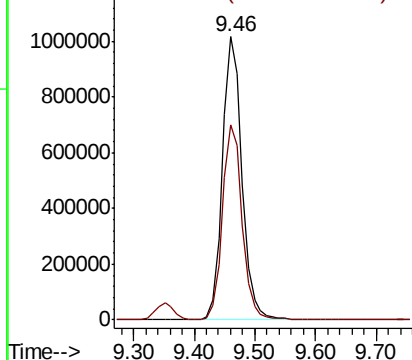


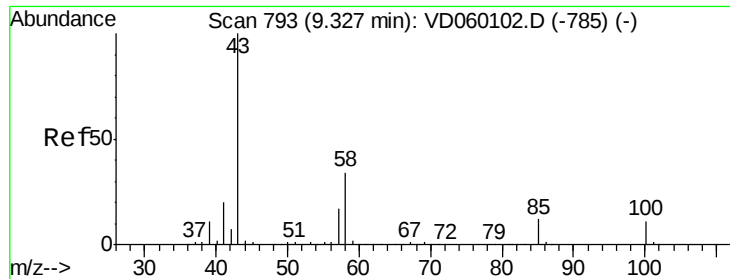
#50
Toluene-d8
Concen: 450.897 ug/l
RT: 9.46 min Scan# 806
Delta R.T. 0.02 min
Lab File: VD060242.D
Acq: 31 Oct 2018 15:27

Tgt Ion: 98 Resp: 2272267
Ion Ratio Lower Upper
98 100
100 69.1 55.4 83.0



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





#51

4-Methyl-2-Pentanone

Concen: 118.539 ug/l

RT: 9.35 min Scan# 795

Delta R.T. 0.02 min

Lab File: VD060242.D

Acq: 31 Oct 2018 15:27

Instrument :

MSVOA_D

ClientSampleId :

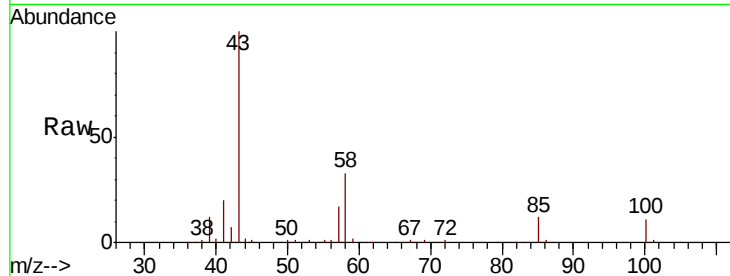
VD1031SBS01

Tot Ion: 43 Resp: 1319392

Ion Ratio Lower Upper

43 100

58 33.2 27.2 40.8



Abundance Ion 42.95 (42.65 to 43.65): VDC

Ion 57.95 (57.65 to 58.65): VDC

9.35

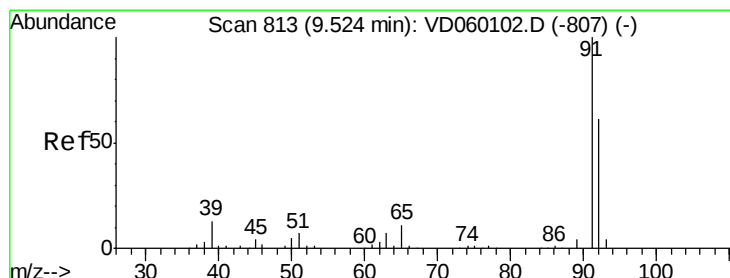
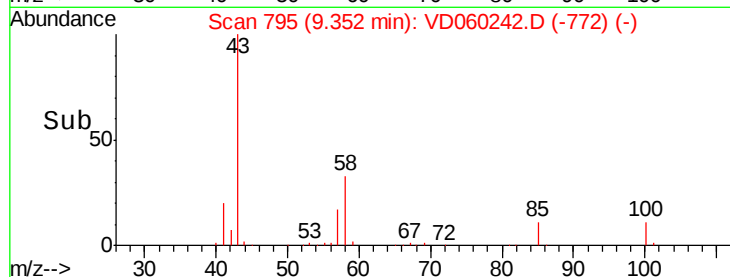
600000

400000

200000

0

Time--> 9.20 9.30 9.40 9.50



#52

Toluene

Concen: 22.941 ug/l

RT: 9.56 min Scan# 816

Delta R.T. 0.03 min

Lab File: VD060242.D

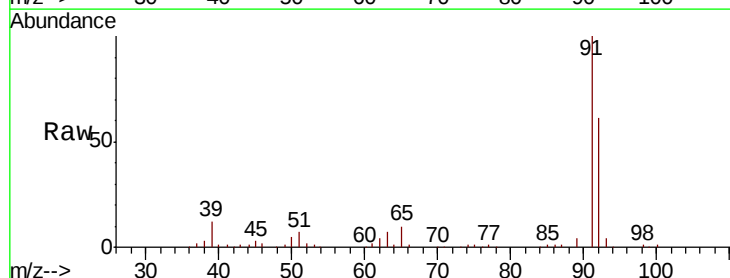
Acq: 31 Oct 2018 15:27

Tgt Ion: 92 Resp: 781105

Ion Ratio Lower Upper

92 100

91 164.3 131.9 197.9



Abundance Ion 92.00 (91.70 to 92.70): VDC

Ion 91.00 (90.70 to 91.70): VDC

9.56

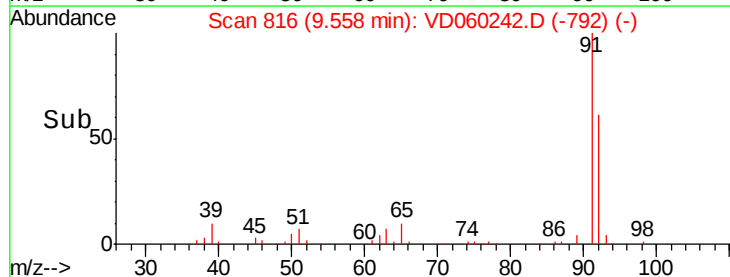
600000

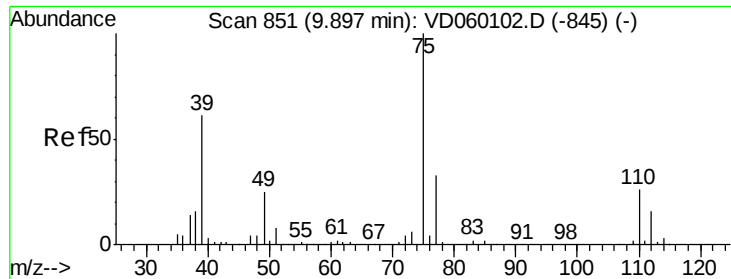
400000

200000

0

Time--> 9.40 9.50 9.60 9.70

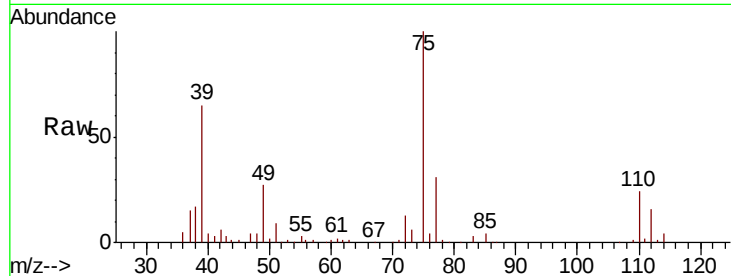




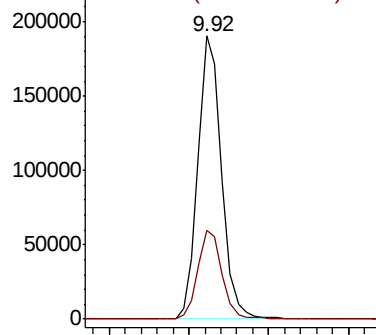
#53
 t-1,3-Dichloropropene
 Concen: 23.067 ug/l
 RT: 9.92 min Scan# 853
 Delta R.T. 0.02 min
 Lab File: VD060242.D
 Acq: 31 Oct 2018 15:27

Instrument :
 MSVOA_D
 ClientSampleId :
 VD1031SBS01

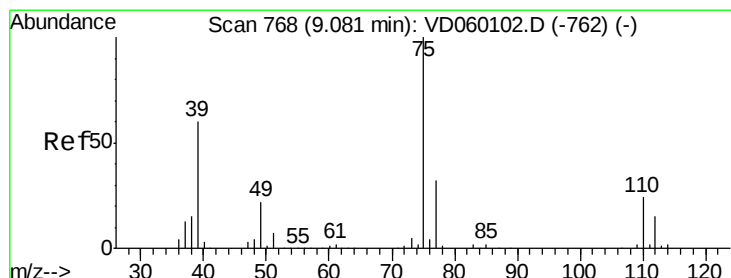
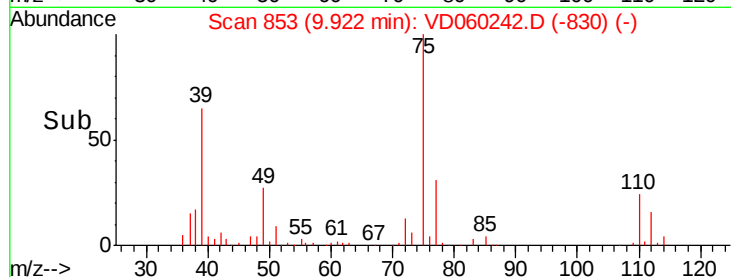
Tot Ion: 75 Resp: 398574
 Ion Ratio Lower Upper
 75 100
 77 31.5 26.2 39.2



Abundance Ion 75.00 (74.70 to 75.70): VDC
 Ion 76.95 (76.65 to 77.65): VDC

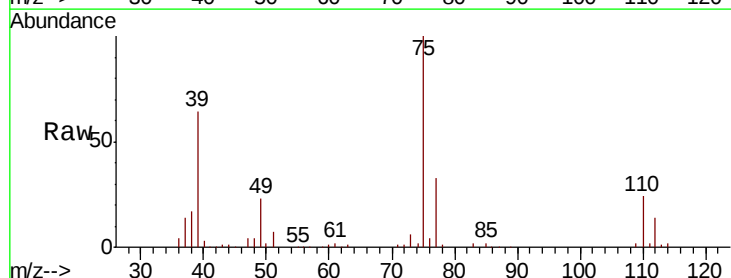


Time-->

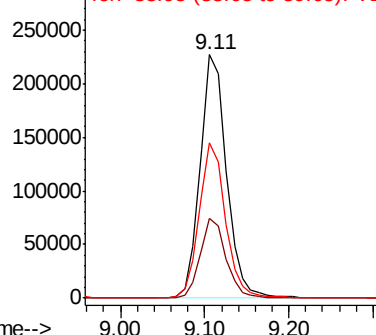


#54
 cis-1,3-Dichloropropene
 Concen: 23.280 ug/l
 RT: 9.11 min Scan# 770
 Delta R.T. 0.02 min
 Lab File: VD060242.D
 Acq: 31 Oct 2018 15:27

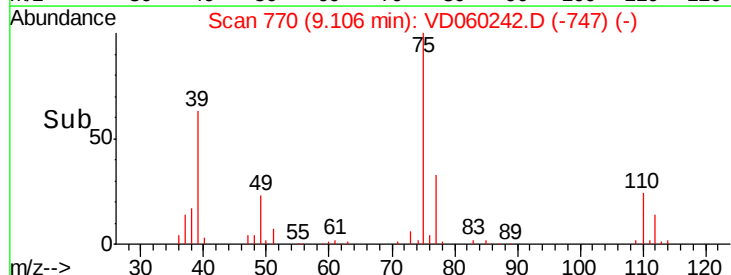
Tgt Ion: 75 Resp: 496729
 Ion Ratio Lower Upper
 75 100
 77 32.7 25.7 38.5
 39 63.9 48.2 72.4

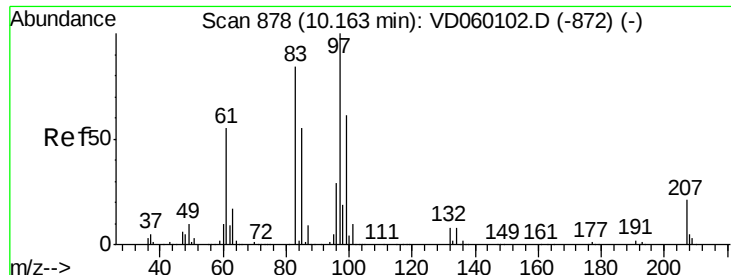


Abundance Ion 75.00 (74.70 to 75.70): VDC
 Ion 76.95 (76.65 to 77.65): VDC
 Ion 38.95 (38.65 to 39.65): VDC



Time-->

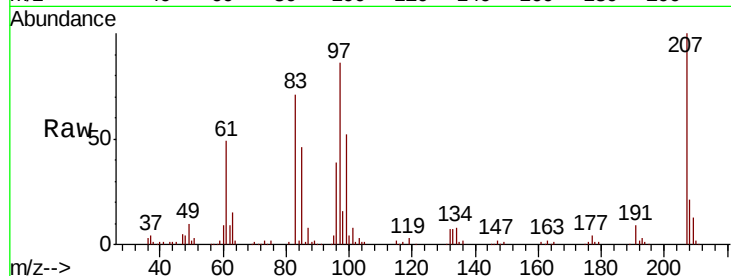




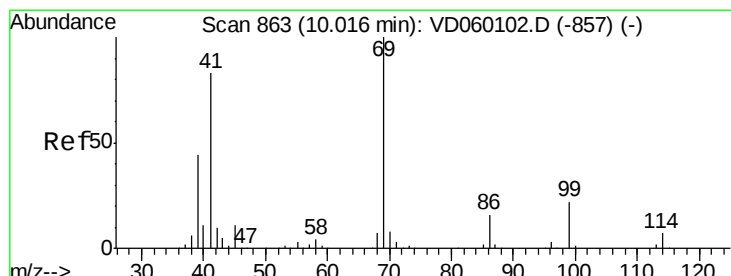
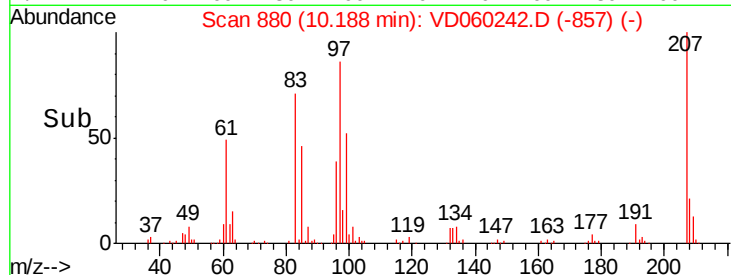
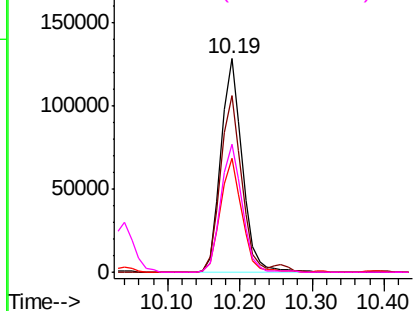
#55
 1,1,2-Trichloroethane
 Concen: 23.621 ug/l
 RT: 10.19 min Scan# 880
 Delta R.T. 0.02 min
 Lab File: VD060242.D
 Acq: 31 Oct 2018 15:27

Instrument :
 MSVOA_D
 ClientSampleId :
 VD1031SBS01

Tot Ion:	97	Resp:	262924
Ion	Ratio	Lower	Upper
97	100		
83	82.6	67.0	100.6
85	53.6	43.9	65.9
99	59.9	49.1	73.7

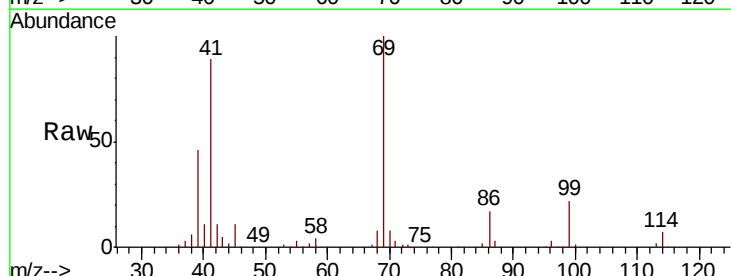


Abundance Ion 96.85 (96.55 to 97.55): VDC
 Ion 82.95 (82.65 to 83.65): VDC
 Ion 84.95 (84.65 to 85.65): VDC
 Ion 98.85 (98.55 to 99.55): VDC

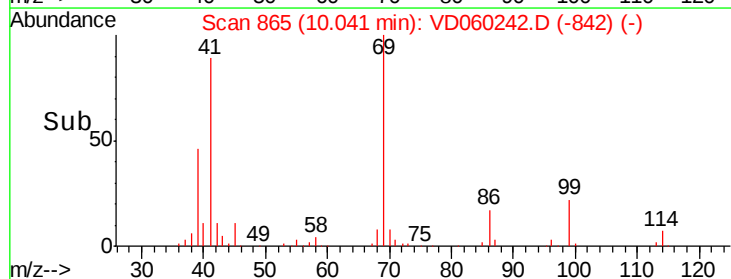
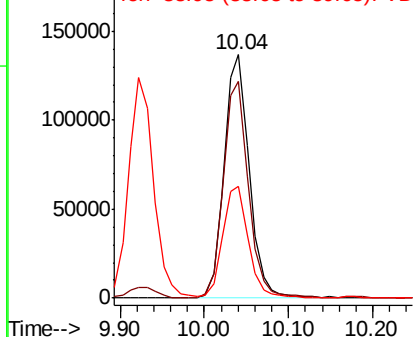


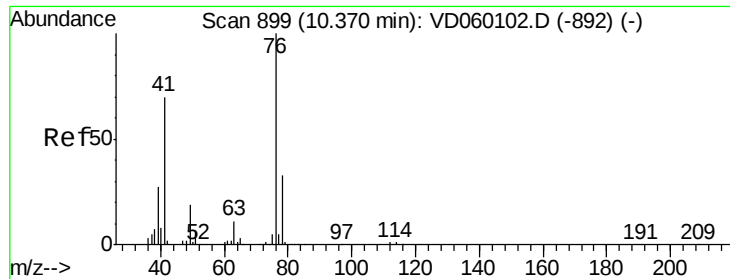
#56
 Ethyl methacrylate
 Concen: 22.974 ug/l
 RT: 10.04 min Scan# 865
 Delta R.T. 0.03 min
 Lab File: VD060242.D
 Acq: 31 Oct 2018 15:27

Tgt Ion:	69	Resp:	282279
Ion	Ratio	Lower	Upper
69	100		
41	89.2	66.6	100.0
39	45.7	36.0	54.0



Abundance Ion 69.00 (68.70 to 69.70): VDC
 Ion 41.05 (40.75 to 41.75): VDC
 Ion 38.95 (38.65 to 39.65): VDC





#57

1,3-Dichloropropane

Concen: 22.607 ug/l

RT: 10.38 min Scan# 900

Delta R.T. 0.02 min

Lab File: VD060242.D

Acq: 31 Oct 2018 15:27

Instrument :

MSVOA_D

ClientSampleId :

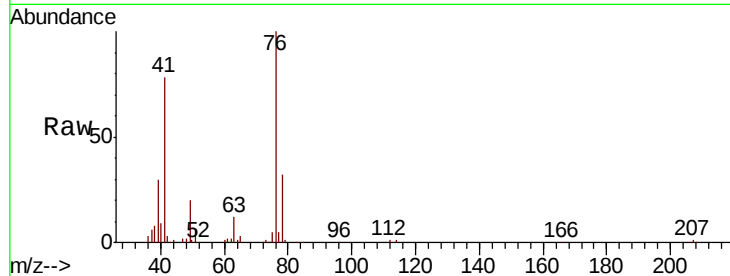
VD1031SBS01

Tot Ion: 76 Resp: 383781

Ion Ratio Lower Upper

76 100

78 31.6 26.2 39.2



Abundance Ion 75.95 (75.65 to 76.65): VDC

Ion 77.95 (77.65 to 78.65): VDC

10.38

200000

150000

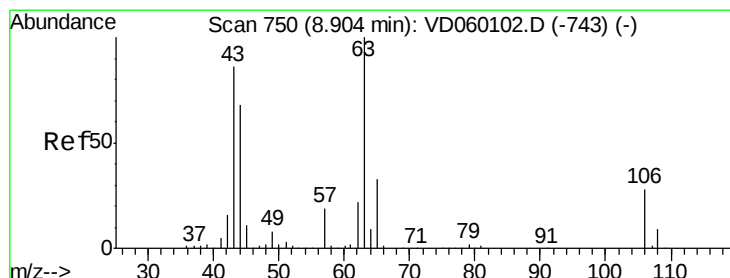
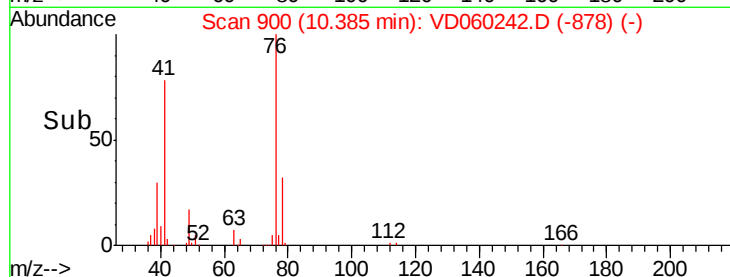
100000

50000

0

Time-->

10.30 10.40 10.50



#58

2-Chloroethyl Vinyl ether

Concen: 118.557 ug/l

RT: 8.93 min Scan# 752

Delta R.T. 0.02 min

Lab File: VD060242.D

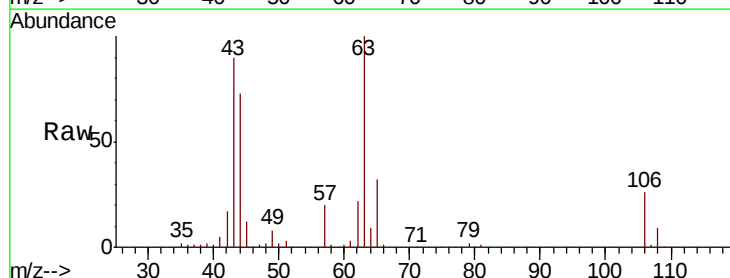
Acq: 31 Oct 2018 15:27

Tgt Ion: 63 Resp: 808929

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): VDC

8.93

400000

300000

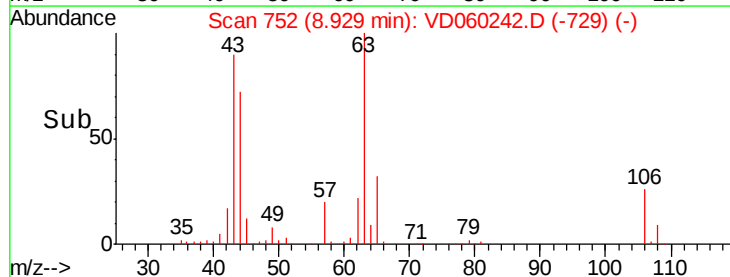
200000

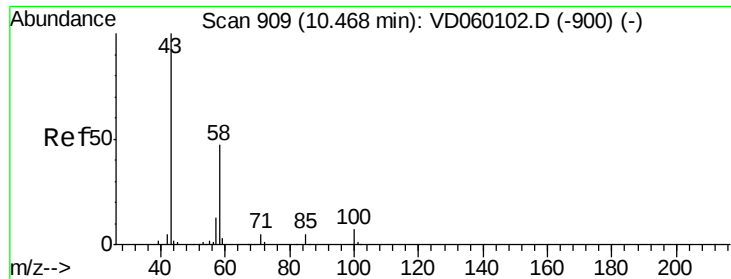
100000

0

Time-->

8.80 8.90 9.00 9.10

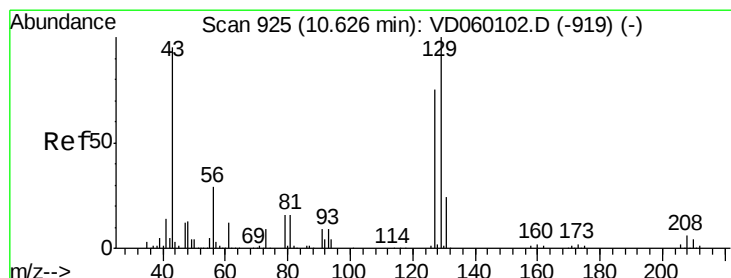
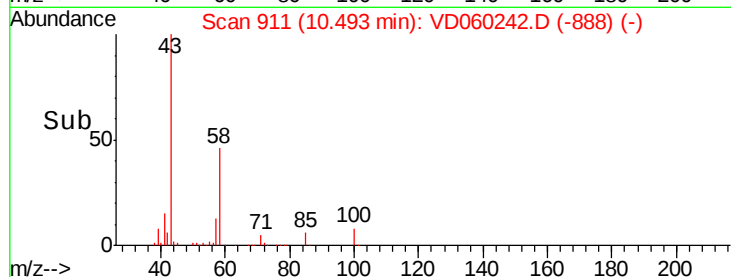
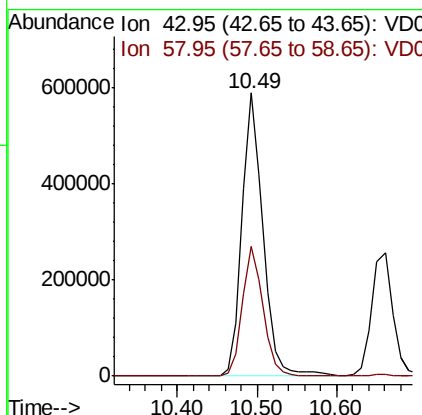
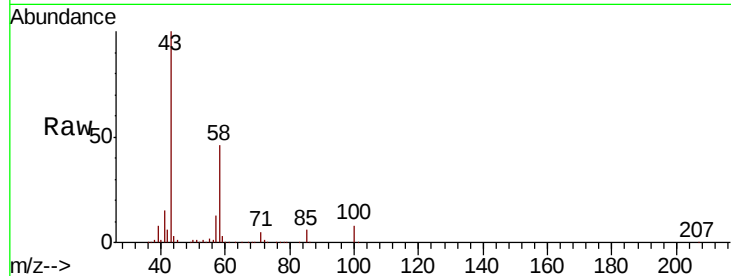




#59
2-Hexanone
Concen: 133.856 ug/l
RT: 10.49 min Scan# 911
Delta R.T. 0.02 min
Lab File: VD060242.D
Acq: 31 Oct 2018 15:27

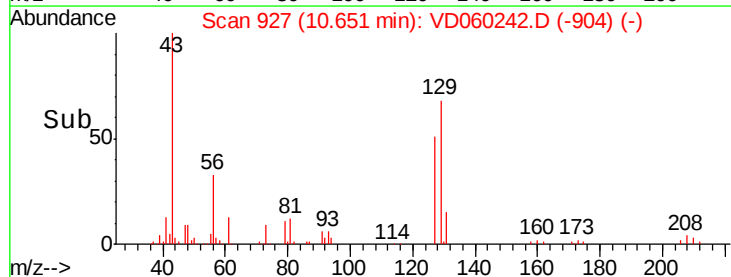
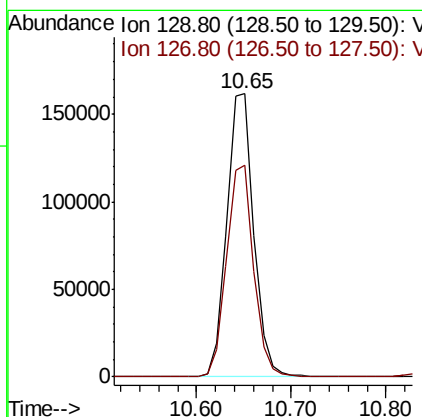
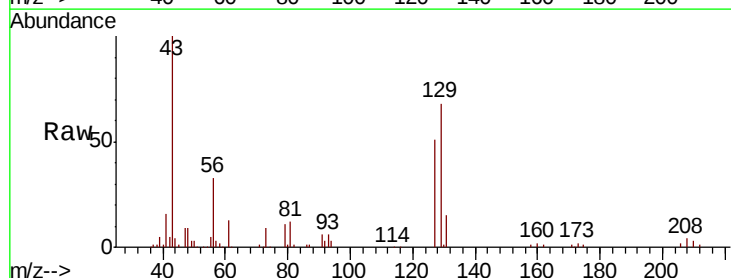
Instrument :
MSVOA_D
ClientSampleId :
VD1031SBS01

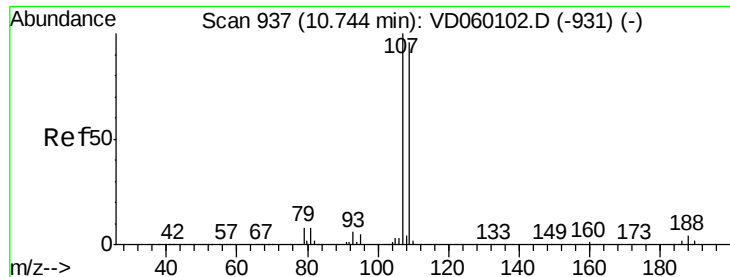
Tot Ion: 43 Resp: 1071334
Ion Ratio Lower Upper
43 100
58 45.7 23.3 69.9



#60
Dibromochloromethane
Concen: 23.346 ug/l
RT: 10.65 min Scan# 927
Delta R.T. 0.02 min
Lab File: VD060242.D
Acq: 31 Oct 2018 15:27

Tgt Ion: 129 Resp: 318838
Ion Ratio Lower Upper
129 100
127 74.8 37.4 112.2

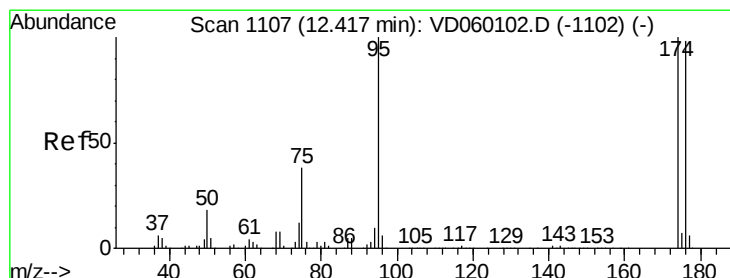
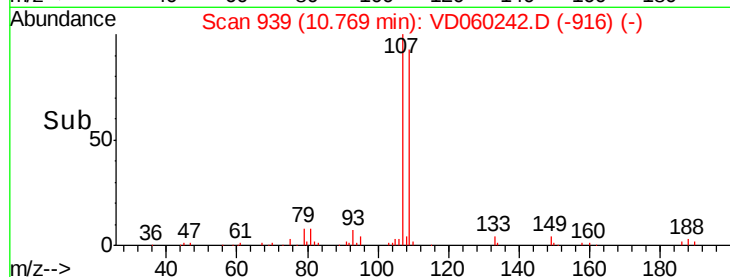
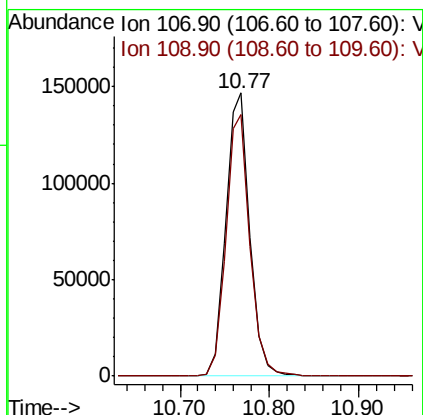
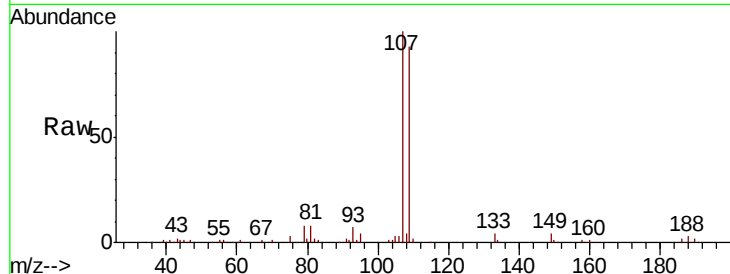




#61
 1,2-Dibromoethane
 Concen: 23.437 ug/l
 RT: 10.77 min Scan# 939
 Delta R.T. 0.03 min
 Lab File: VD060242.D
 Acq: 31 Oct 2018 15:27

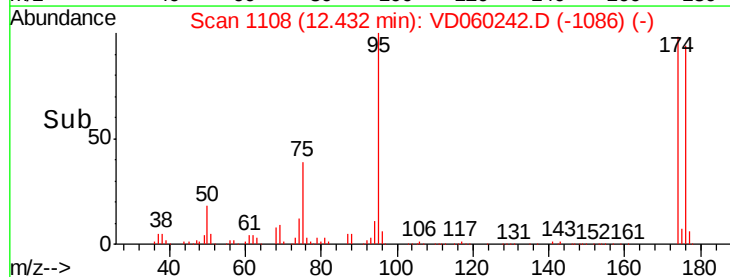
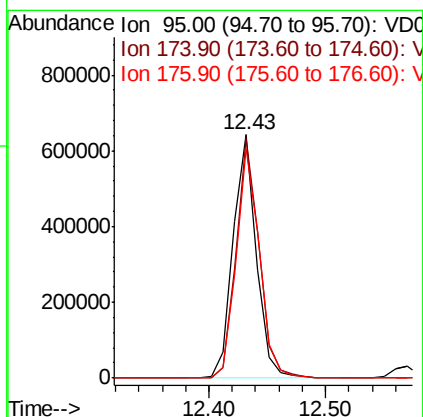
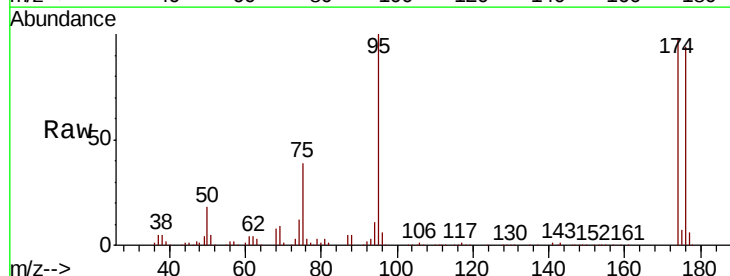
Instrument :
 MSVOA_D
 ClientSampleId :
 VD1031SBS01

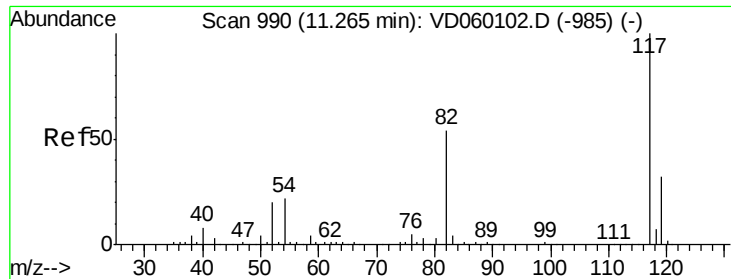
Tot Ion:107 Resp: 277186
 Ion Ratio Lower Upper
 107 100
 109 92.5 77.1 115.7



#62
 4-Bromofluorobenzene
 Concen: 23.437 ug/l
 RT: 12.43 min Scan# 1108
 Delta R.T. 0.02 min
 Lab File: VD060242.D
 Acq: 31 Oct 2018 15:27

Tgt Ion: 95 Resp: 884142
 Ion Ratio Lower Upper
 95 100
 174 98.3 0.0 200.2
 176 94.3 0.0 195.6

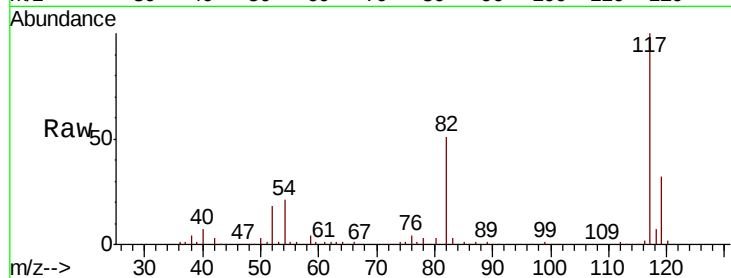




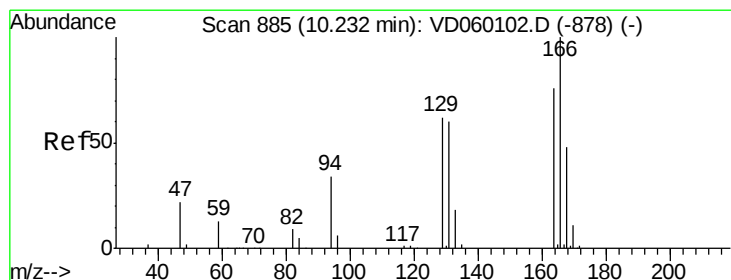
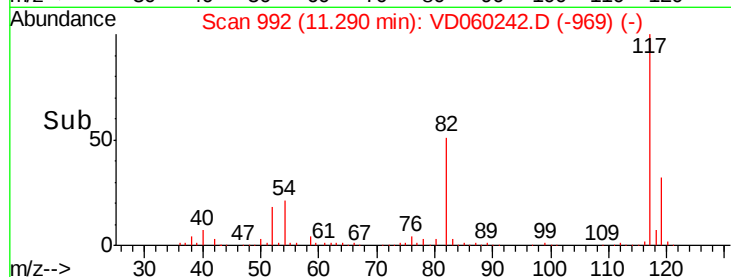
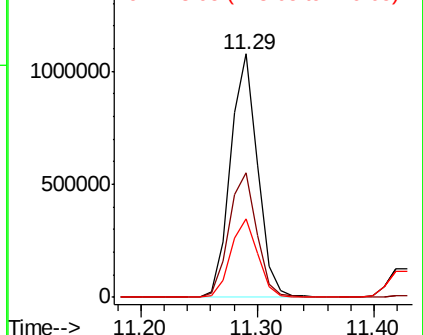
#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 11.29 min Scan# 992
Delta R.T. 0.03 min
Lab File: VD060242.D
Acq: 31 Oct 2018 15:27

Instrument :
MSVOA_D
ClientSampleId :
VD1031SBS01

Tot Ion:117 Resp: 1738153
Ion Ratio Lower Upper
117 100
82 51.2 43.4 65.2
119 32.2 26.0 39.0

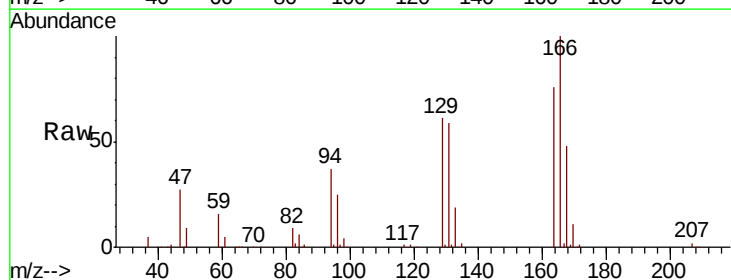


Abundance Ion 116.95 (116.65 to 117.65): V
Ion 82.05 (81.75 to 82.75): V
Ion 118.95 (118.65 to 119.65): V

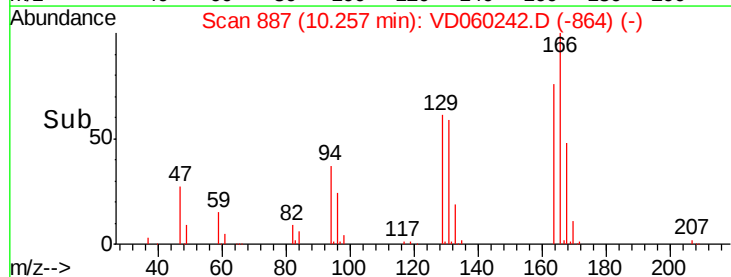
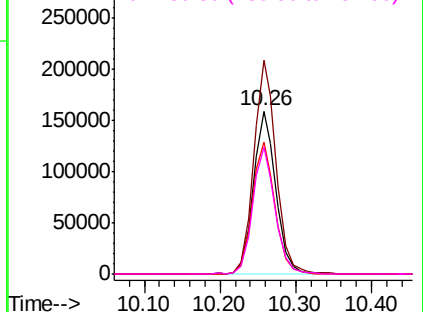


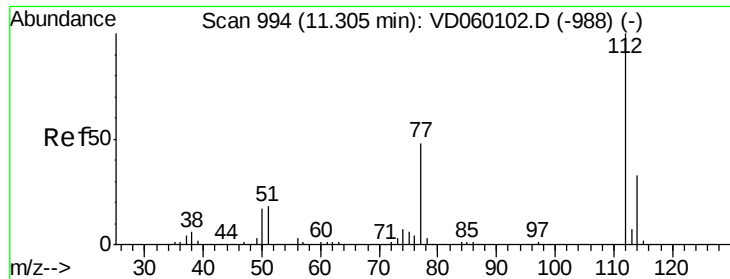
#64
Tetrachloroethene
Concen: 21.695 ug/l
RT: 10.26 min Scan# 887
Delta R.T. 0.02 min
Lab File: VD060242.D
Acq: 31 Oct 2018 15:27

Tgt Ion:164 Resp: 330275
Ion Ratio Lower Upper
164 100
166 130.9 105.4 158.0
129 80.5 65.7 98.5
131 77.4 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

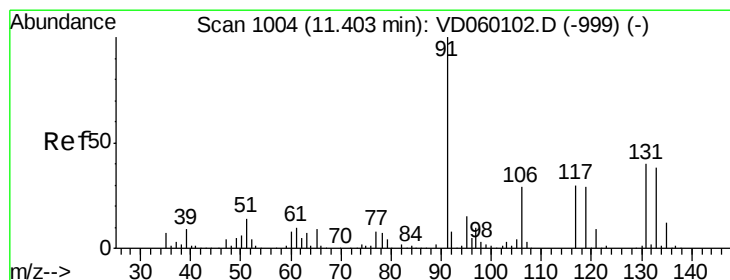
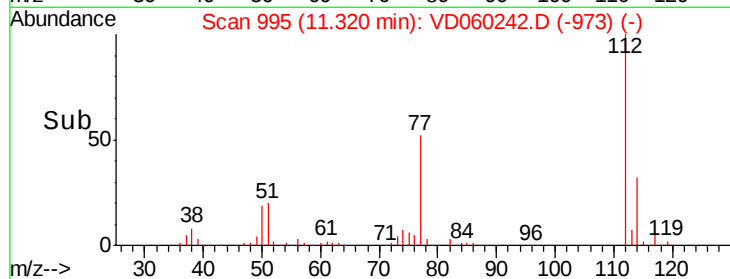
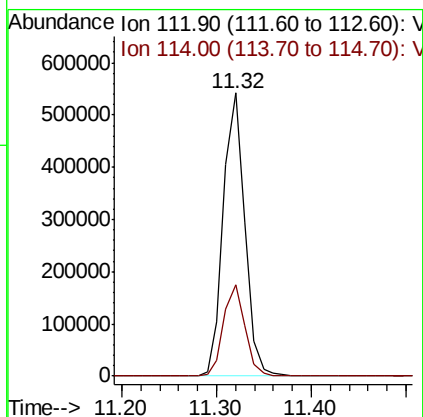
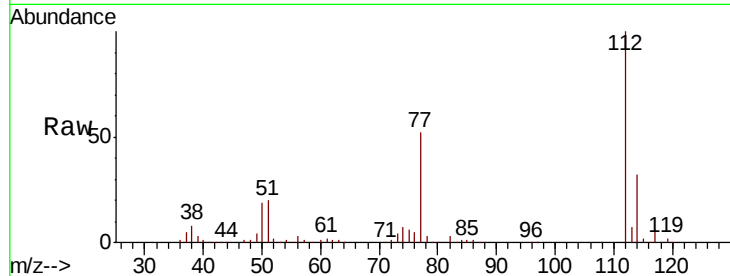




#65
Chlorobenzene
Concen: 22.792 ug/l
RT: 11.32 min Scan# 995
Delta R.T. 0.02 min
Lab File: VD060242.D
Acq: 31 Oct 2018 15:27

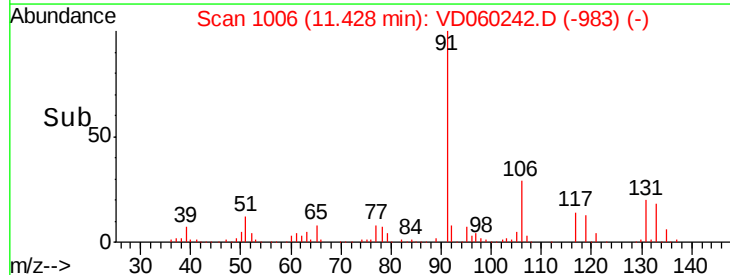
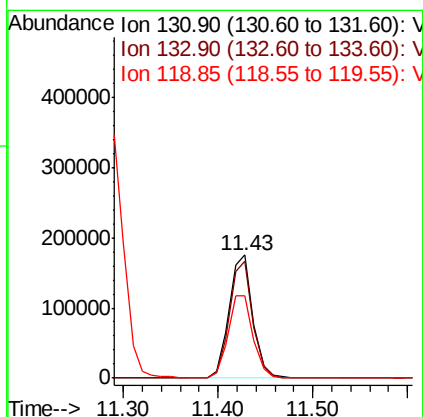
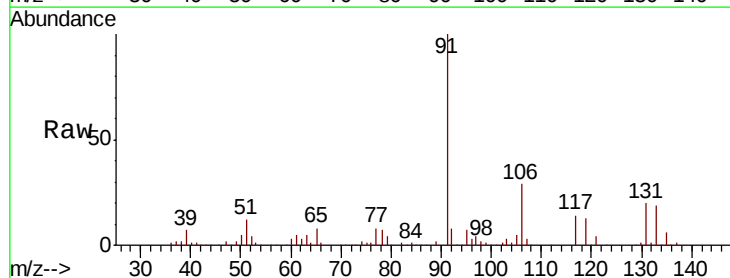
Instrument :
MSVOA_D
ClientSampleId :
VD1031SBS01

Tot Ion:112 Resp: 857031
Ion Ratio Lower Upper
112 100
114 32.4 26.0 39.0



#66
1,1,1,2-Tetrachloroethane
Concen: 24.061 ug/l
RT: 11.43 min Scan# 1006
Delta R.T. 0.02 min
Lab File: VD060242.D
Acq: 31 Oct 2018 15:27

Tgt Ion:131 Resp: 301822
Ion Ratio Lower Upper
131 100
133 95.0 47.4 142.3
119 66.9 36.1 108.3

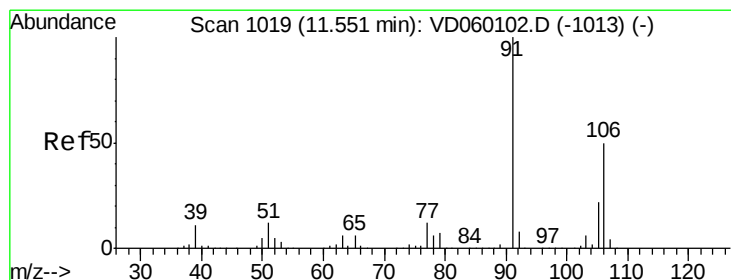
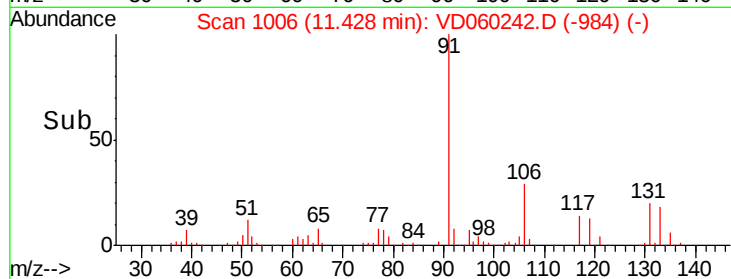
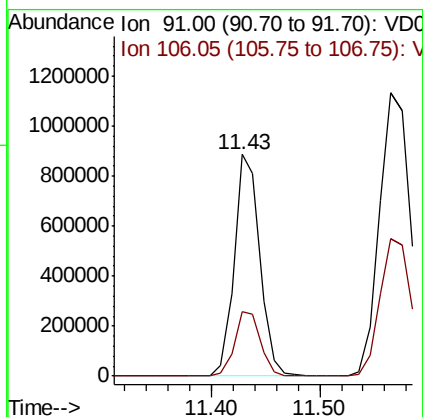
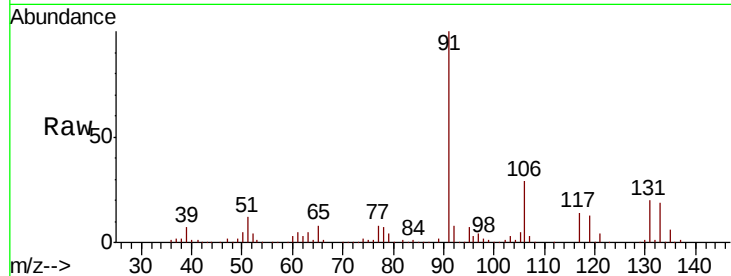




#67
Ethyl Benzene
Concen: 23.854 ug/l
RT: 11.43 min Scan# 1006
Delta R.T. 0.02 min
Lab File: VD060242.D
Acq: 31 Oct 2018 15:27

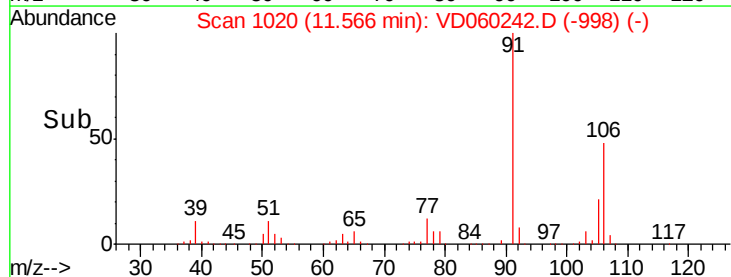
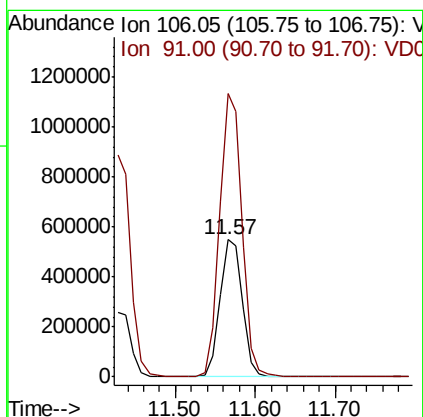
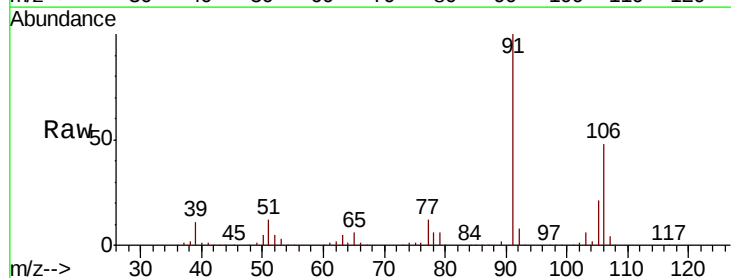
Instrument :
MSVOA_D
ClientSampleId :
VD1031SBS01

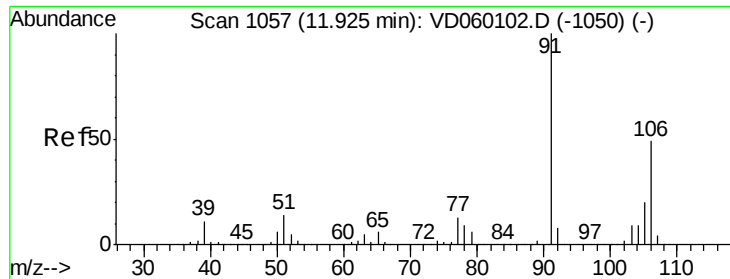
Tot Ion: 91 Resp: 1453292
Ion Ratio Lower Upper
91 100
106 29.1 24.4 36.6



#68
m/p-Xylenes
Concen: 47.847 ug/l
RT: 11.57 min Scan# 1020
Delta R.T. 0.02 min
Lab File: VD060242.D
Acq: 31 Oct 2018 15:27

Tgt Ion: 106 Resp: 1089155
Ion Ratio Lower Upper
106 100
91 206.7 160.0 240.0

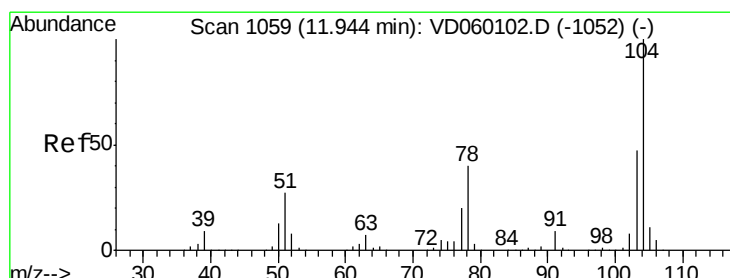
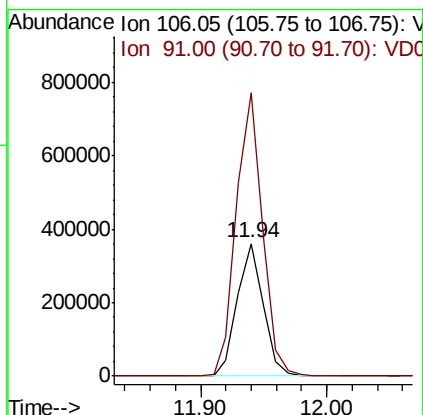
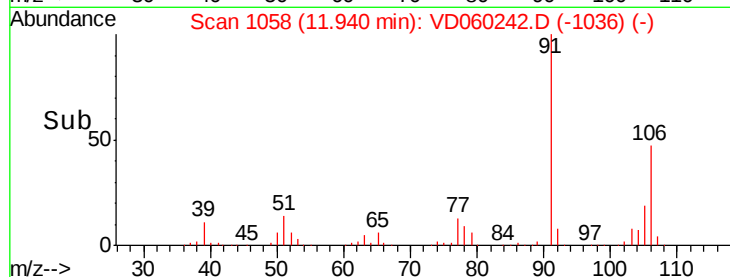
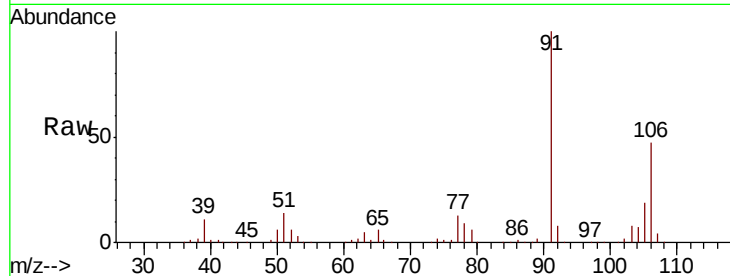




#69
o-Xylene
Concen: 22.989 ug/l
RT: 11.94 min Scan# 1058
Delta R.T. 0.02 min
Lab File: VD060242.D
Acq: 31 Oct 2018 15:27

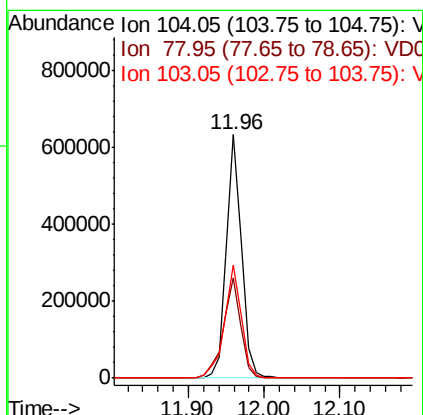
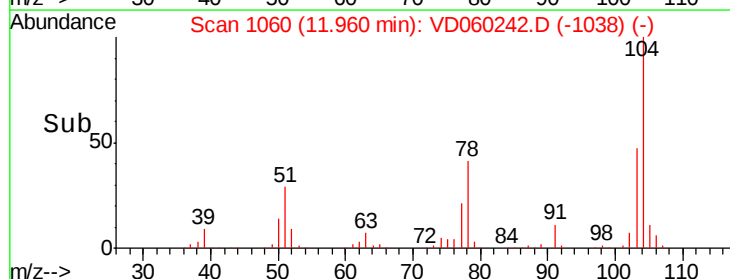
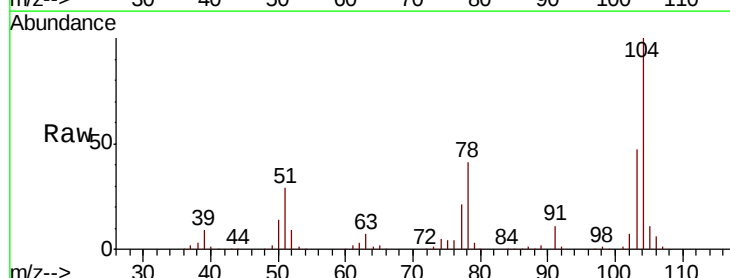
Instrument :
MSVOA_D
ClientSampleId :
VD1031SBS01

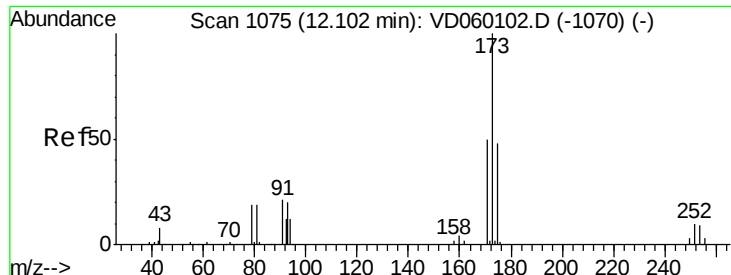
Tot Ion:106 Resp: 517613
Ion Ratio Lower Upper
106 100
91 212.9 102.5 307.5



#70
Styrene
Concen: 23.341 ug/l
RT: 11.96 min Scan# 1060
Delta R.T. 0.02 min
Lab File: VD060242.D
Acq: 31 Oct 2018 15:27

Tgt Ion:104 Resp: 878859
Ion Ratio Lower Upper
104 100
78 41.2 32.2 48.4
103 46.6 37.4 56.0





#71

Bromoform

Concen: 22.826 ug/l

RT: 12.12 min Scan# 1076

Delta R.T. 0.02 min

Lab File: VD060242.D

Acq: 31 Oct 2018 15:27

Instrument :

MSVOA_D

ClientSampleId :

VD1031SBS01

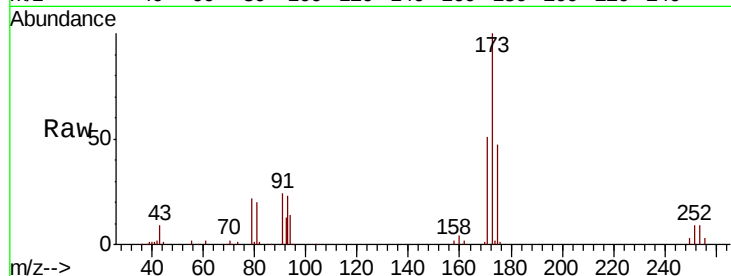
Tot Ion:173 Resp: 231859

Ion Ratio Lower Upper

173 100

175 47.1 24.1 72.4

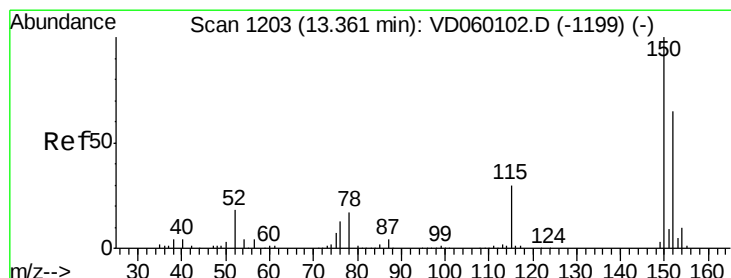
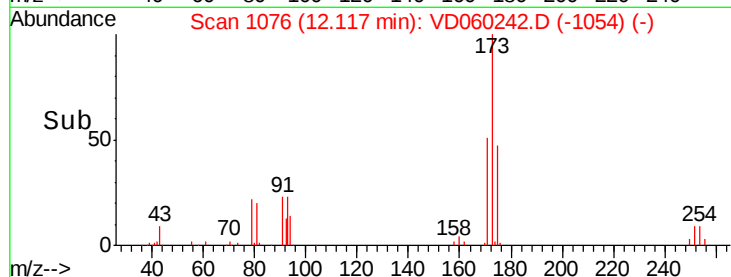
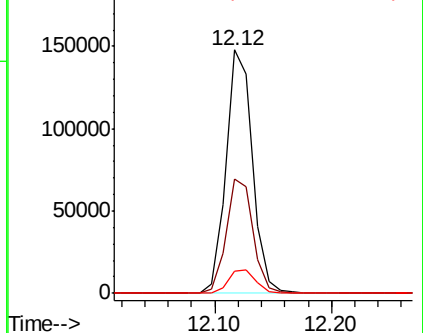
254 9.1 7.4 11.0



Abundance Ion 172.80 (172.50 to 173.50): V

Ion 174.80 (174.50 to 175.50): V

Ion 253.70 (253.40 to 254.40): V



#72

1,4-Dichlorobenzene-d4

Concen: 50.000 ug/l

RT: 13.38 min Scan# 1204

Delta R.T. 0.02 min

Lab File: VD060242.D

Acq: 31 Oct 2018 15:27

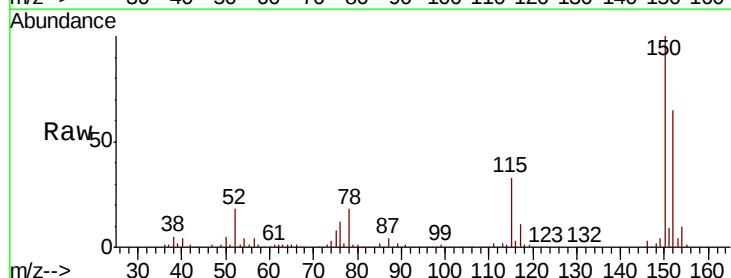
Tgt Ion:152 Resp: 947574

Ion Ratio Lower Upper

152 100

115 51.6 27.1 81.2

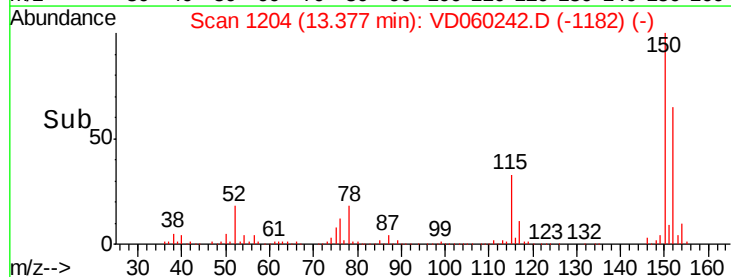
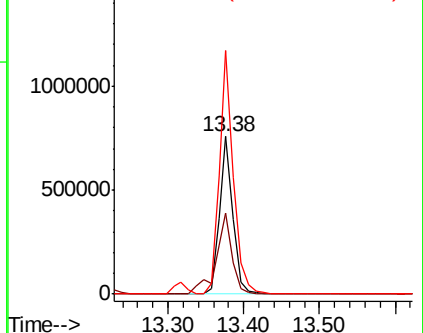
150 154.3 0.0 311.8

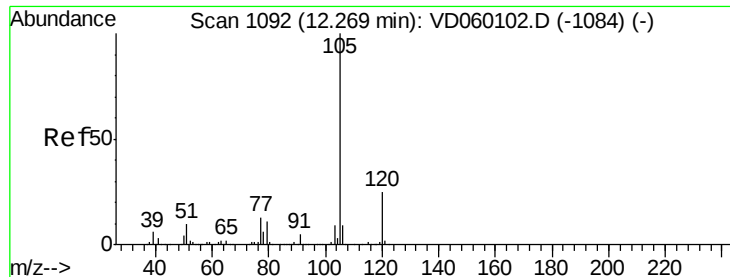


Abundance Ion 151.90 (151.60 to 152.60): V

Ion 115.00 (114.70 to 115.70): V

Ion 149.90 (149.60 to 150.60): V





#73

Isopropylbenzene

Concen: 22.687 ug/l

RT: 12.28 min Scan# 1093

Delta R.T. 0.02 min

Lab File: VD060242.D

Acq: 31 Oct 2018 15:27

Instrument :

MSVOA_D

ClientSampleId :

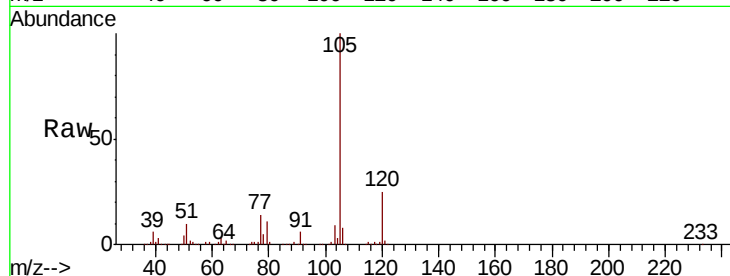
VD1031SBS01

Tot Ion:105 Resp: 1418246

Ion Ratio Lower Upper

105 100

120 24.9 12.6 37.6



Abundance Ion 105.05 (104.75 to 105.75): V

Ion 120.05 (119.75 to 120.75): V

12.28

1000000

800000

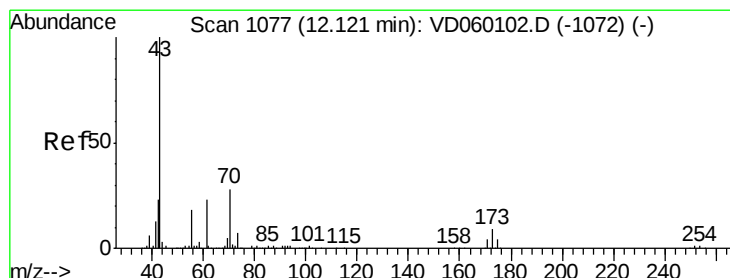
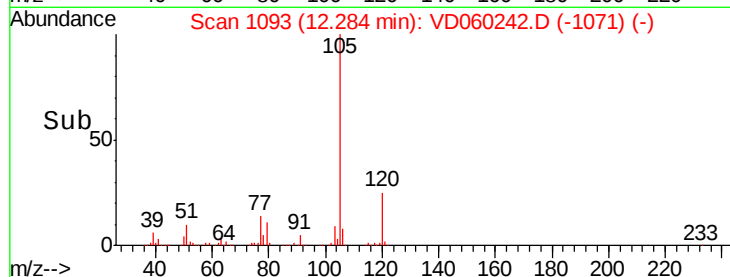
600000

400000

200000

0

Time--> 12.20 12.30 12.40



#74

N-ethyl acetate

Concen: 22.887 ug/l

RT: 12.14 min Scan# 1078

Delta R.T. 0.02 min

Lab File: VD060242.D

Acq: 31 Oct 2018 15:27

Tgt Ion: 43 Resp: 524067

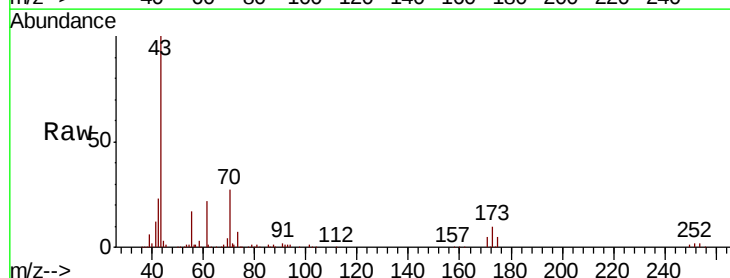
Ion Ratio Lower Upper

43 100

70 26.7 22.1 33.1

55 17.0 14.1 21.1

61 22.0 18.4 27.6



Abundance Ion 42.95 (42.65 to 43.65): V

Ion 70.00 (69.70 to 70.70): V

Ion 55.00 (54.70 to 55.70): V

Ion 60.95 (60.65 to 61.65): V

12.14

600000

500000

400000

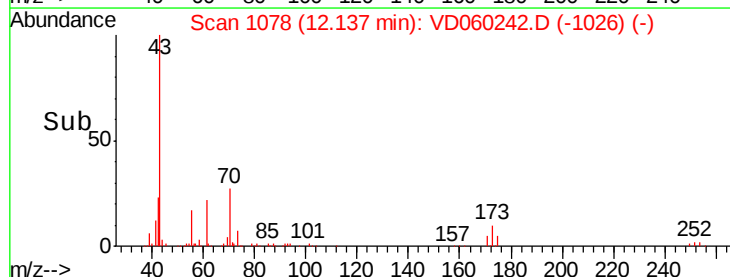
300000

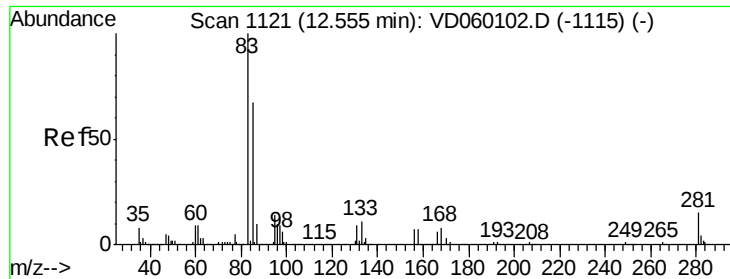
200000

100000

0

Time--> 12.10 12.20 12.30





#75

1,1,2,2-Tetrachloroethane

Concen: 22.523 ug/l

RT: 12.57 min Scan# 1122

Delta R.T. 0.02 min

Lab File: VD060242.D

Acq: 31 Oct 2018 15:27

Instrument :

MSVOA_D

ClientSampleId :

VD1031SBS01

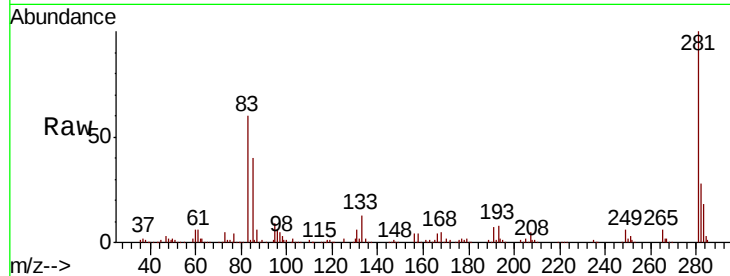
Tot Ion: 83 Resp: 307385

Ion Ratio Lower Upper

83 100

131 10.1 4.5 13.4

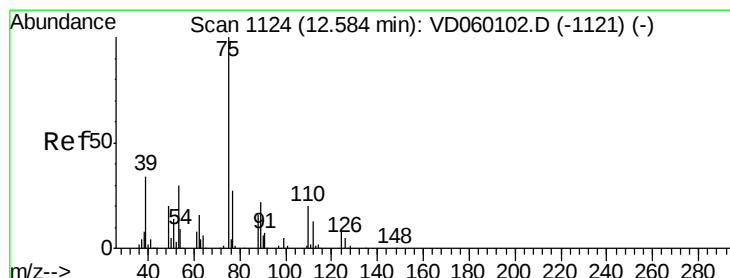
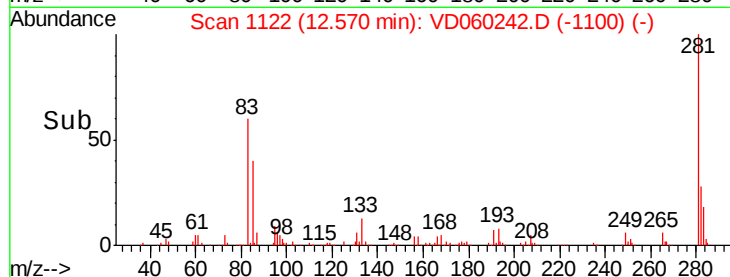
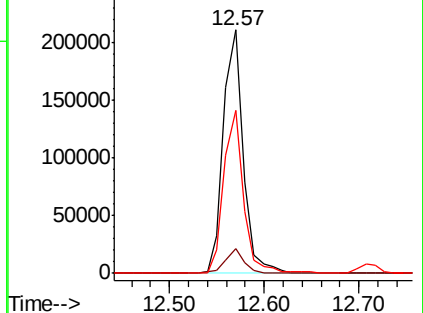
85 67.1 33.3 99.9



Abundance Ion 82.95 (82.65 to 83.65): VDC

Ion 130.90 (130.60 to 131.60): VDC

Ion 84.95 (84.65 to 85.65): VDC



#76

1,2,3-Trichloropropane

Concen: 23.007 ug/l

RT: 12.60 min Scan# 1125

Delta R.T. 0.02 min

Lab File: VD060242.D

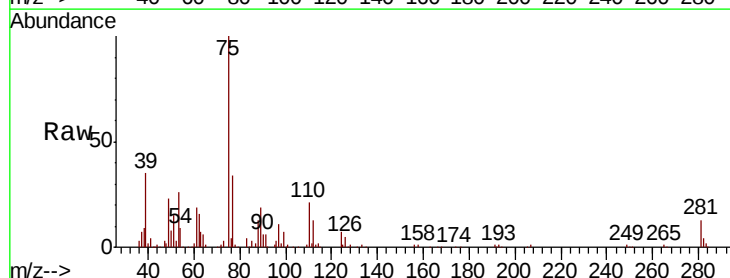
Acq: 31 Oct 2018 15:27

Tgt Ion: 75 Resp: 313959

Ion Ratio Lower Upper

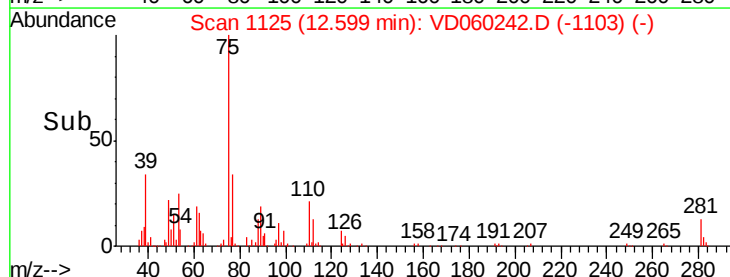
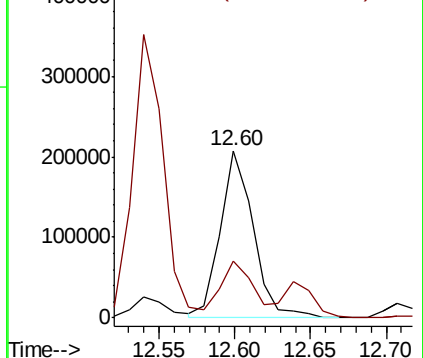
75 100

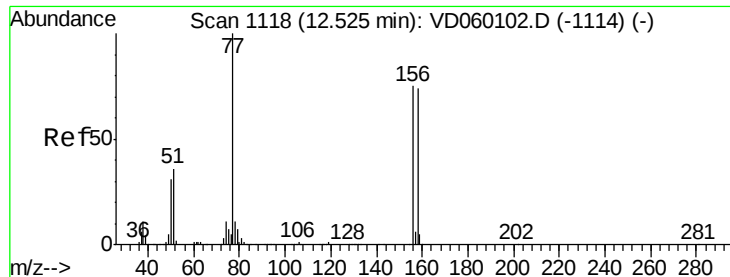
77 34.3 16.3 48.9



Abundance Ion 75.00 (74.70 to 75.70): VDC

Ion 76.95 (76.65 to 77.65): VDC





#77

Bromobenzene

Concen: 22.186 ug/l

RT: 12.55 min Scan# 1120

Delta R.T. 0.02 min

Lab File: VD060242.D

Acq: 31 Oct 2018 15:27

Instrument :

MSVOA_D

ClientSampleId :

VD1031SBS01

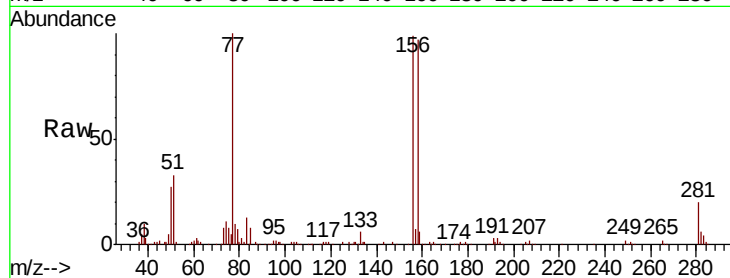
Tot Ion:156 Resp: 403036

Ion Ratio Lower Upper

156 100

77 101.0 66.9 200.7

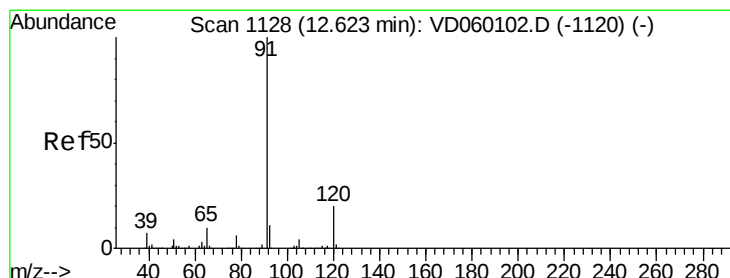
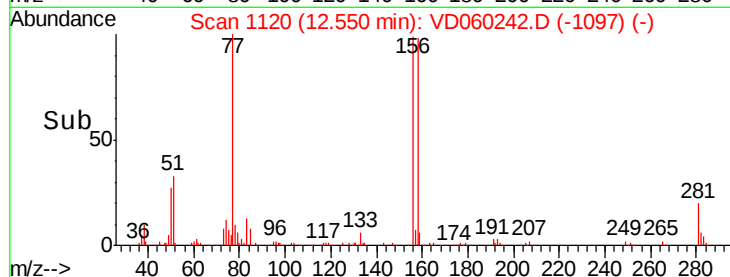
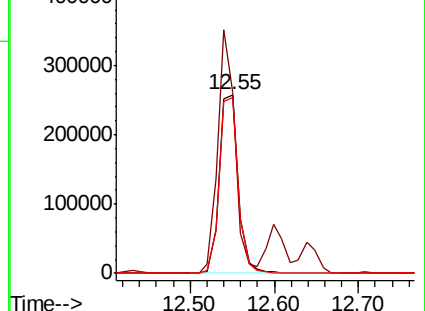
158 98.1 49.1 147.4



Abundance Ion 155.90 (155.60 to 156.60): V

Ion 76.95 (76.65 to 77.65): V

Ion 157.85 (157.55 to 158.55): V



#78

n-propylbenzene

Concen: 23.169 ug/l

RT: 12.64 min Scan# 1129

Delta R.T. 0.02 min

Lab File: VD060242.D

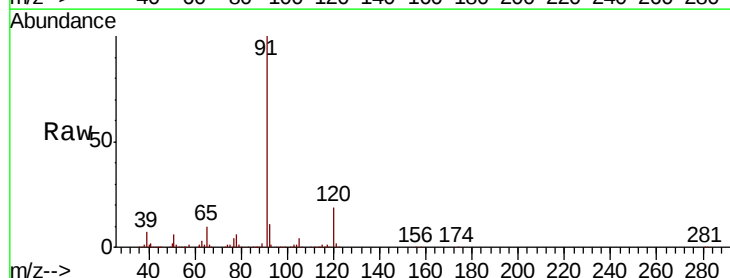
Acq: 31 Oct 2018 15:27

Tgt Ion: 91 Resp: 1798417

Ion Ratio Lower Upper

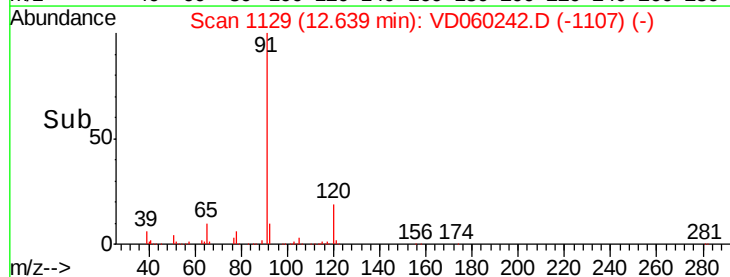
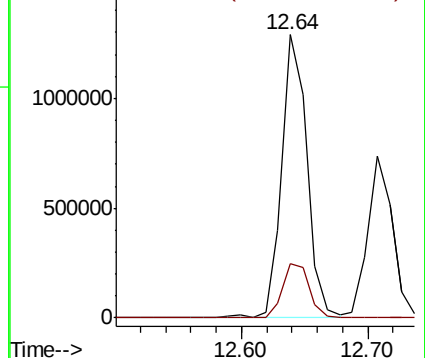
91 100

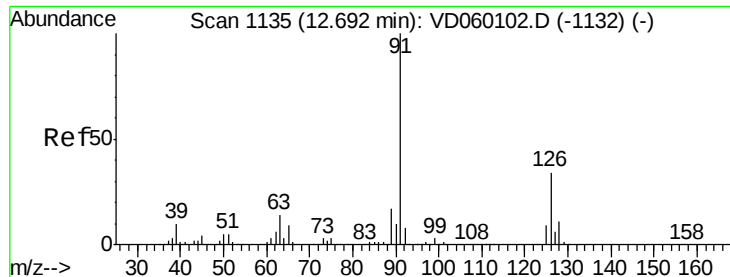
120 19.3 10.0 30.0



Abundance Ion 91.00 (90.70 to 91.70): V

Ion 120.05 (119.75 to 120.75): V

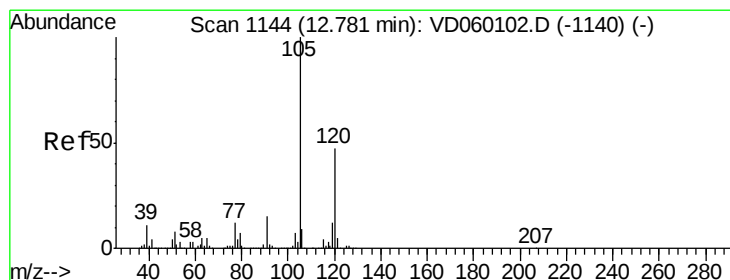
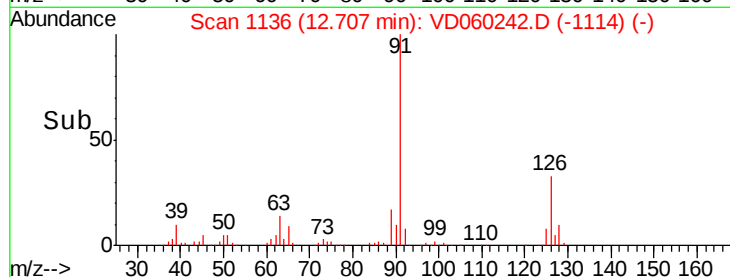
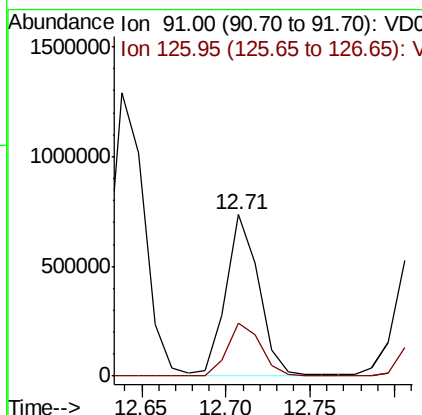
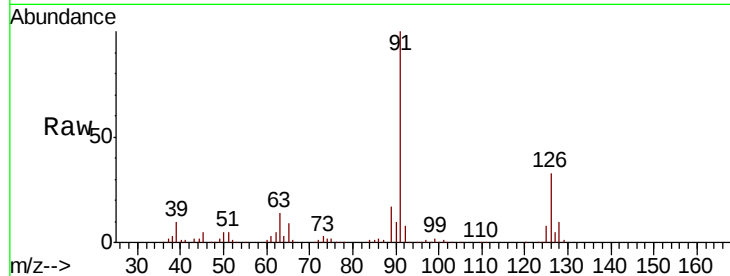




#79
 2-Chlorotoluene
 Concen: 22.989 ug/l
 RT: 12.71 min Scan# 1136
 Delta R.T. 0.02 min
 Lab File: VD060242.D
 Acq: 31 Oct 2018 15:27

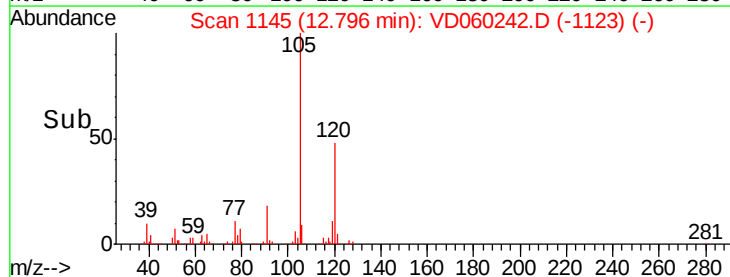
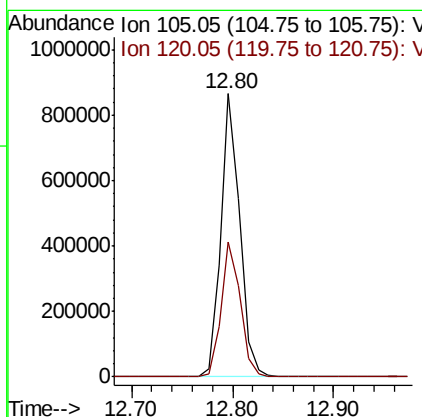
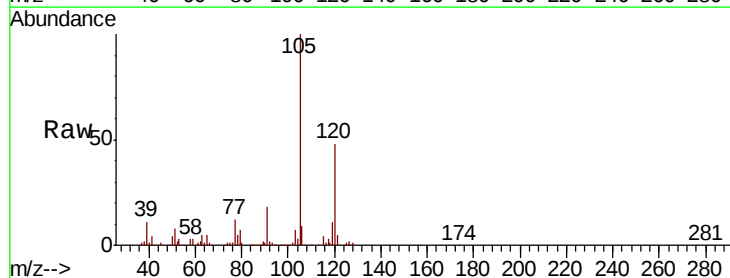
Instrument :
 MSVOA_D
 ClientSampleId :
 VD1031SBS01

Tot Ion: 91 Resp: 990416
 Ion Ratio Lower Upper
 91 100
 126 33.0 16.8 50.3



#80
 1,3,5-Trimethylbenzene
 Concen: 23.331 ug/l
 RT: 12.80 min Scan# 1145
 Delta R.T. 0.02 min
 Lab File: VD060242.D
 Acq: 31 Oct 2018 15:27

Tgt Ion: 105 Resp: 1128798
 Ion Ratio Lower Upper
 105 100
 120 47.5 23.7 71.1





#81

trans-1,4-Dichloro-2-butene

Concen: 22.840 ug/l

RT: 12.34 min Scan# 1099

Delta R.T. 0.02 min

Lab File: VD060242.D

Acq: 31 Oct 2018 15:27

Instrument :

MSVOA_D

ClientSampleId :

VD1031SBS01

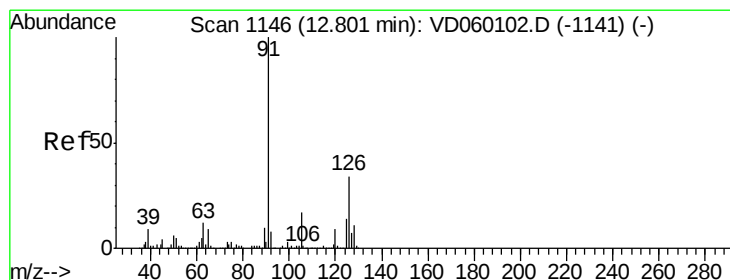
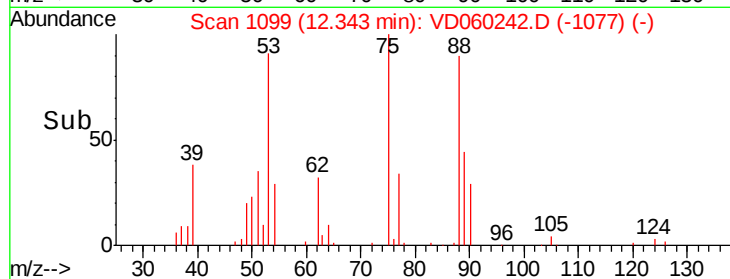
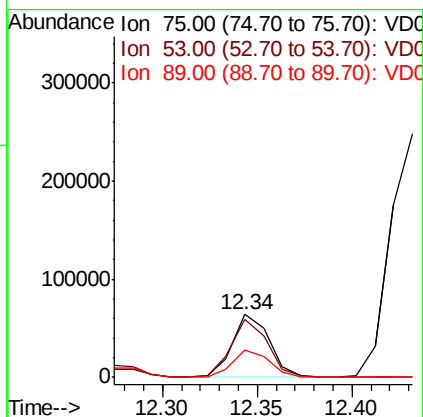
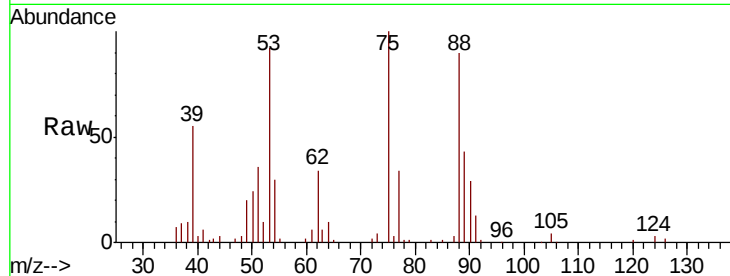
Tot Ion: 75 Resp: 87579

Ion Ratio Lower Upper

75 100

53 92.2 73.0 109.6

89 43.3 32.0 48.0



#82

4-Chlorotoluene

Concen: 23.204 ug/l

RT: 12.82 min Scan# 1147

Delta R.T. 0.02 min

Lab File: VD060242.D

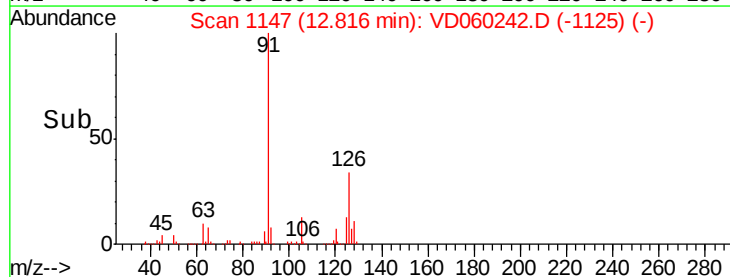
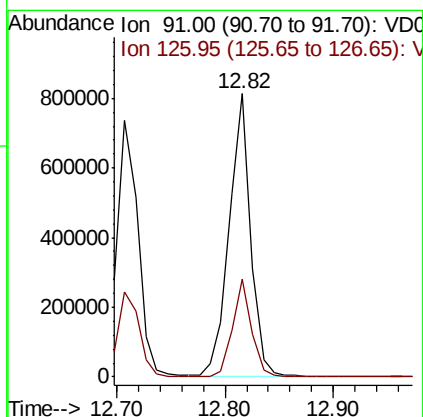
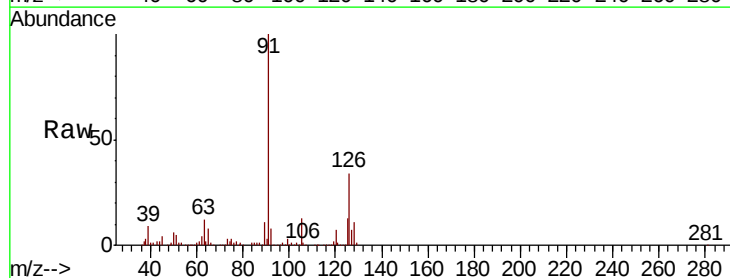
Acq: 31 Oct 2018 15:27

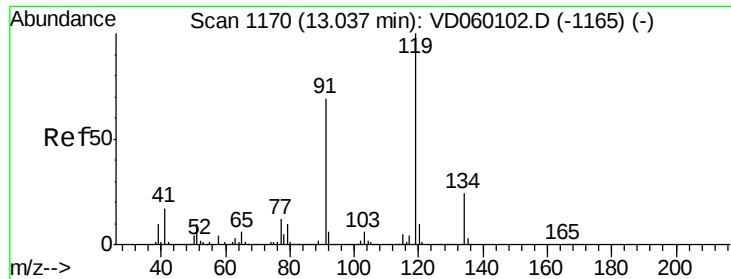
Tgt Ion: 91 Resp: 1130659

Ion Ratio Lower Upper

91 100

126 34.4 17.1 51.2

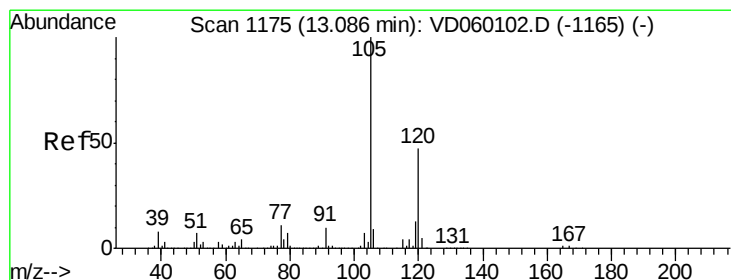
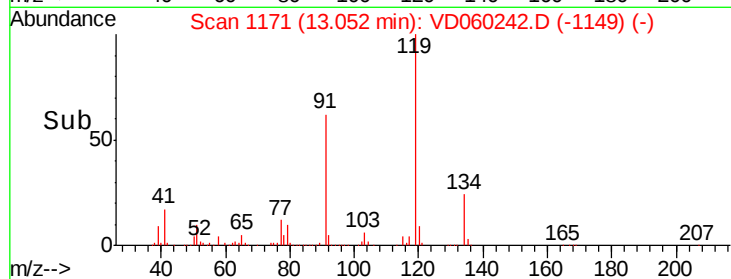
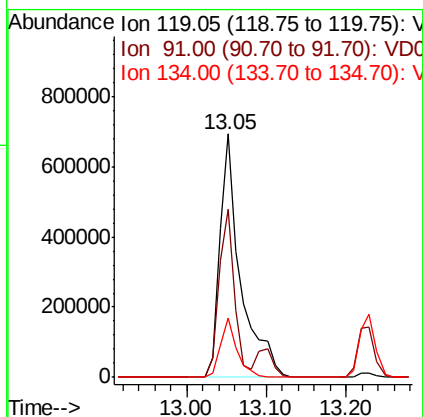
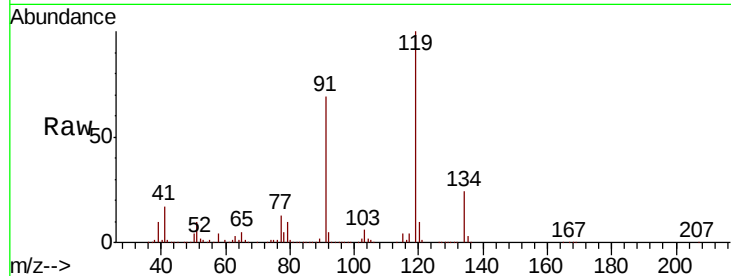




#83
 tert-Butylbenzene
 Concen: 22.761 ug/l
 RT: 13.05 min Scan# 1171
 Delta R.T. 0.02 min
 Lab File: VD060242.D
 Acq: 31 Oct 2018 15:27

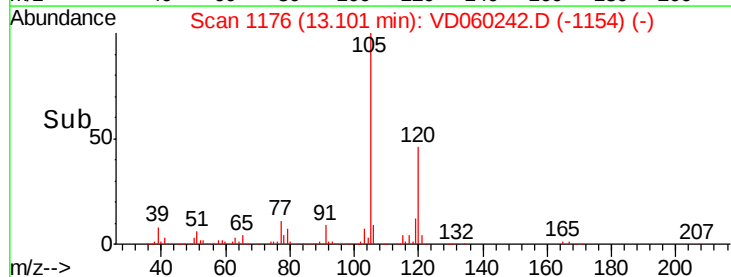
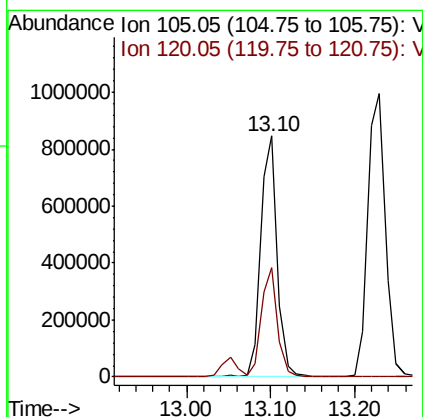
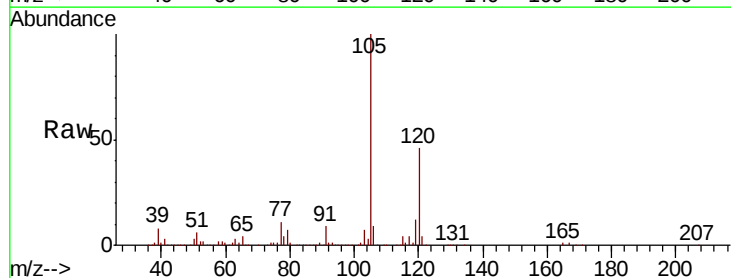
Instrument :
 MSVOA_D
 ClientSampleId :
 VD1031SBS01

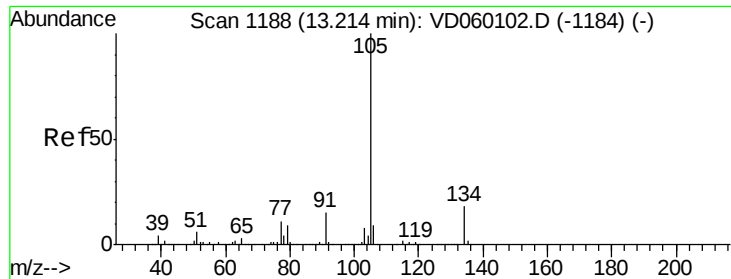
Tot Ion:119 Resp: 1263705
 Ion Ratio Lower Upper
 119 100
 91 68.9 34.8 104.4
 134 24.3 11.8 35.4



#84
 1,2,4-Trimethylbenzene
 Concen: 22.950 ug/l
 RT: 13.10 min Scan# 1176
 Delta R.T. 0.02 min
 Lab File: VD060242.D
 Acq: 31 Oct 2018 15:27

Tgt Ion:105 Resp: 1170270
 Ion Ratio Lower Upper
 105 100
 120 45.6 23.4 70.0

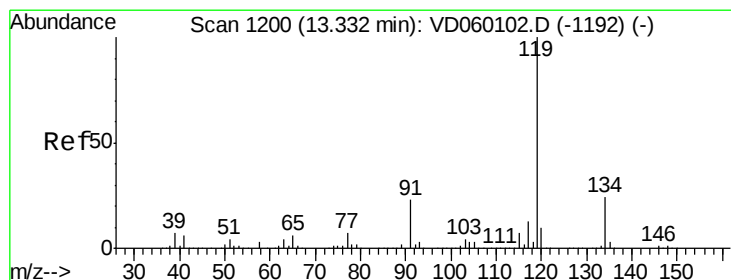
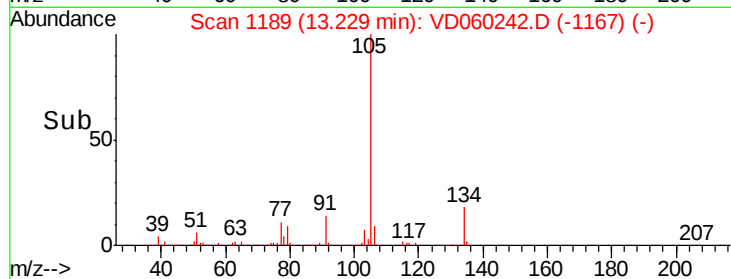
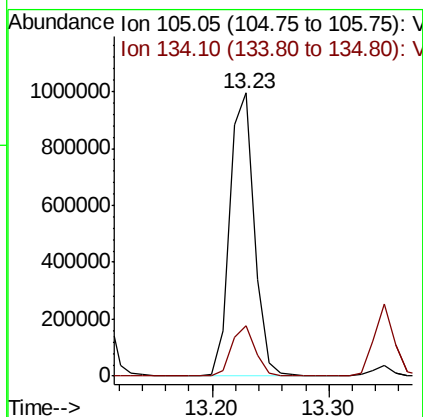
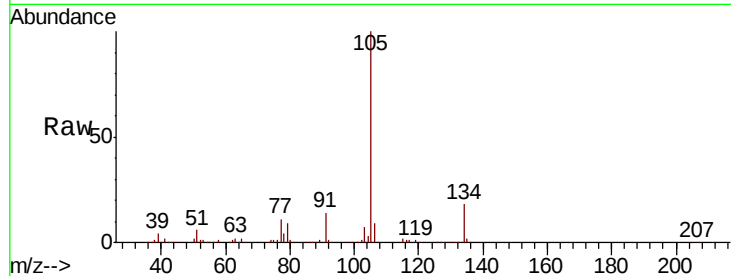




#85
 sec-Butylbenzene
 Concen: 21.951 ug/l
 RT: 13.23 min Scan# 1189
 Delta R.T. 0.02 min
 Lab File: VD060242.D
 Acq: 31 Oct 2018 15:27

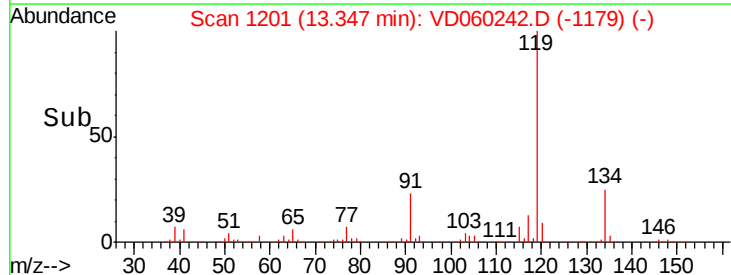
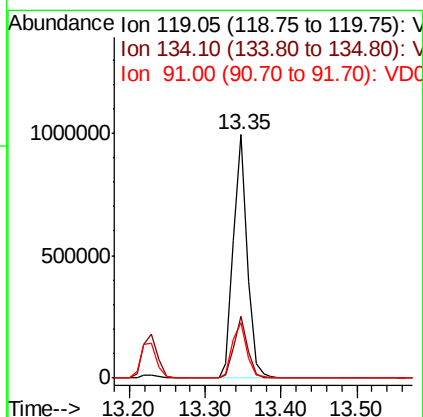
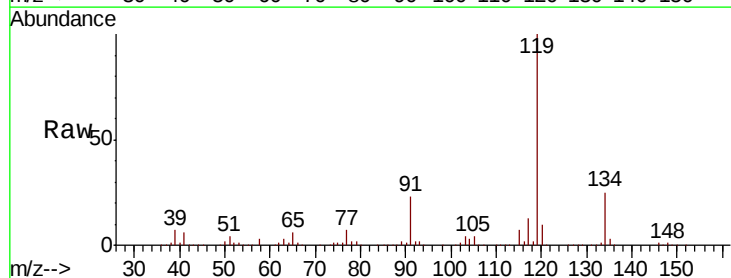
Instrument :
 MSVOA_D
 ClientSampleID :
 VD1031SBS01

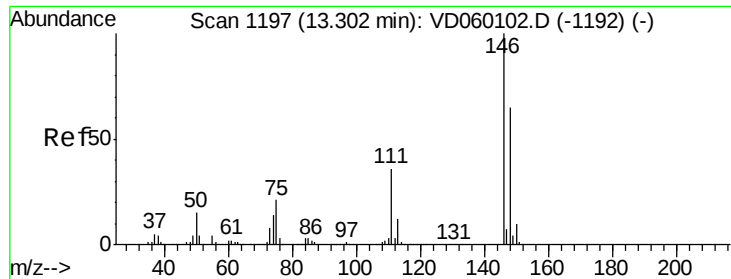
Tot Ion:105 Resp: 1440979
 Ion Ratio Lower Upper
 105 100
 134 18.0 8.8 26.2



#86
 p-Isopropyltoluene
 Concen: 23.079 ug/l
 RT: 13.35 min Scan# 1201
 Delta R.T. 0.02 min
 Lab File: VD060242.D
 Acq: 31 Oct 2018 15:27

Tgt Ion:119 Resp: 1242682
 Ion Ratio Lower Upper
 119 100
 134 25.3 12.3 36.8
 91 22.8 11.8 35.4

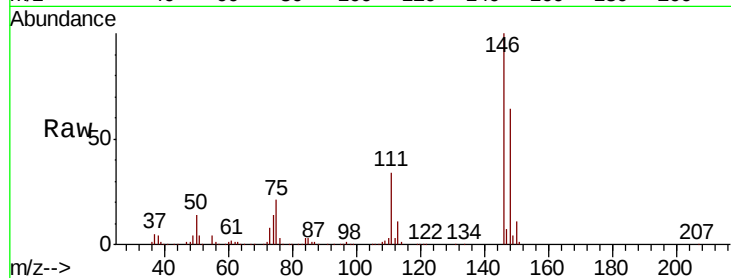




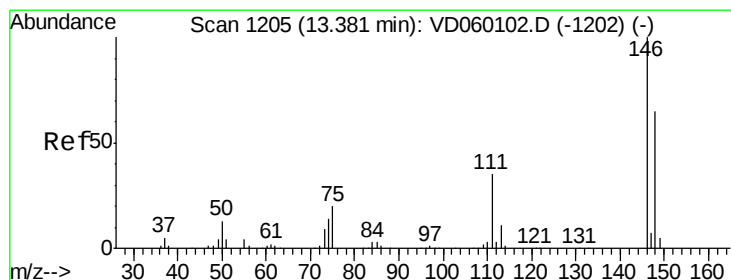
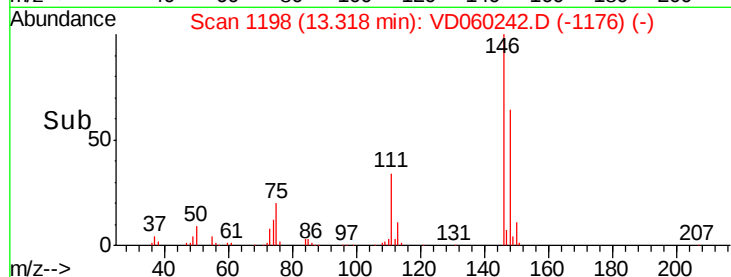
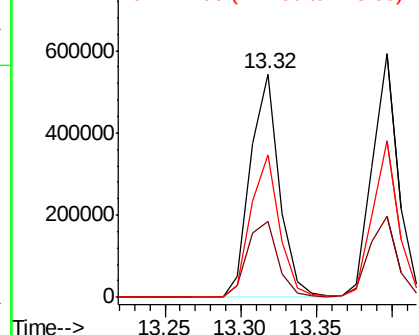
#87
 1,3-Dichlorobenzene
 Concen: 22.932 ug/l
 RT: 13.32 min Scan# 1198
 Delta R.T. 0.02 min
 Lab File: VD060242.D
 Acq: 31 Oct 2018 15:27

Instrument :
 MSVOA_D
 ClientSampleId :
 VD1031SBS01

Tot Ion:146 Resp: 725802
 Ion Ratio Lower Upper
 146 100
 111 33.9 18.1 54.3
 148 64.0 32.3 96.9

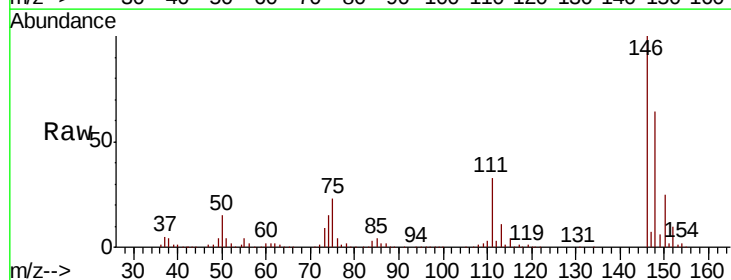


Abundance Ion 145.95 (145.65 to 146.65): V
 Ion 110.90 (110.60 to 111.60): V
 Ion 147.90 (147.60 to 148.60): V

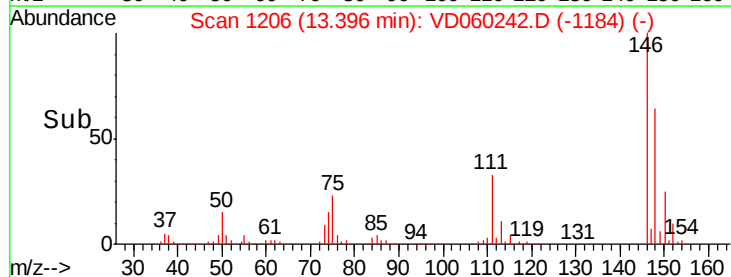
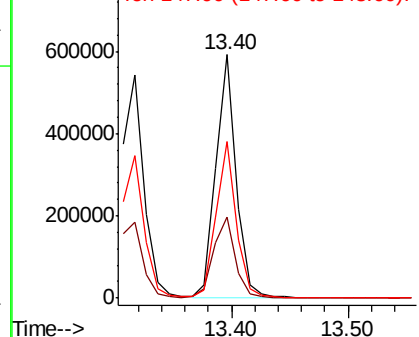


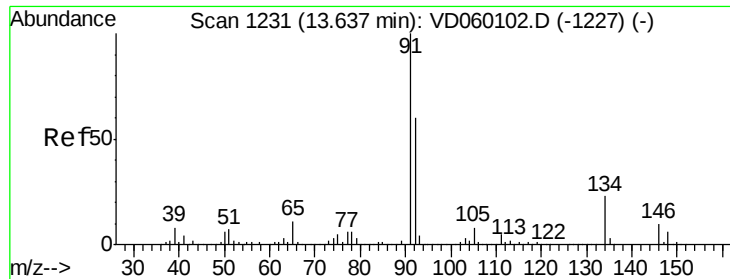
#88
 1,4-Dichlorobenzene
 Concen: 22.362 ug/l
 RT: 13.40 min Scan# 1206
 Delta R.T. 0.02 min
 Lab File: VD060242.D
 Acq: 31 Oct 2018 15:27

Tgt Ion:146 Resp: 710898
 Ion Ratio Lower Upper
 146 100
 111 33.3 17.8 53.3
 148 64.4 32.4 97.2



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

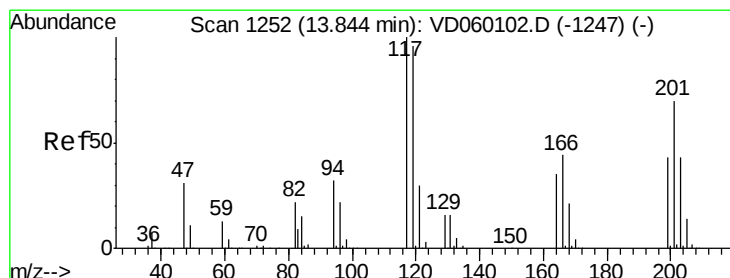
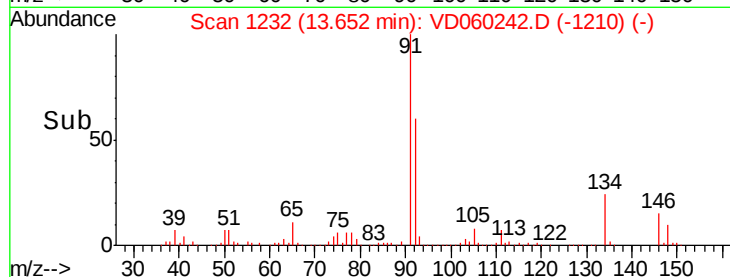
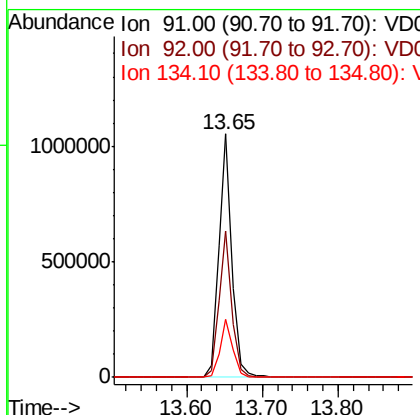
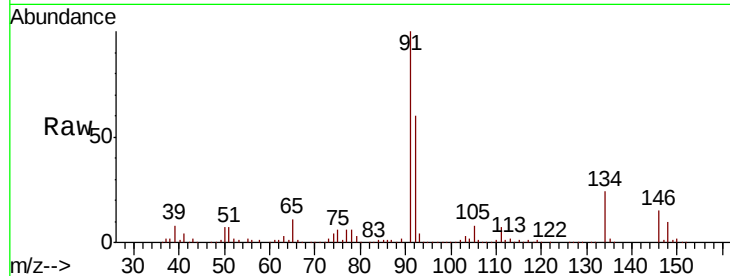




#89
n-Butylbenzene
Concen: 24.258 ug/l
RT: 13.65 min Scan# 1232
Delta R.T. 0.02 min
Lab File: VD060242.D
Acq: 31 Oct 2018 15:27

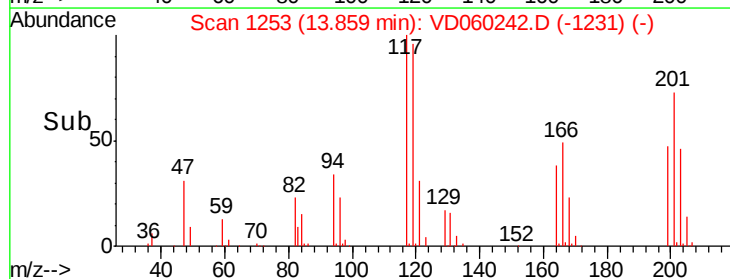
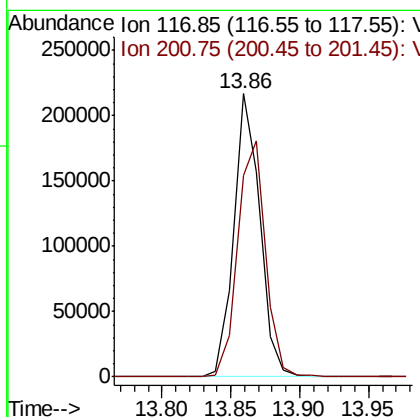
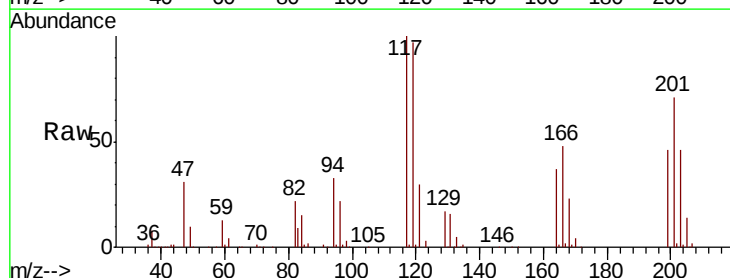
Instrument :
MSVOA_D
ClientSampleId :
VD1031SBS01

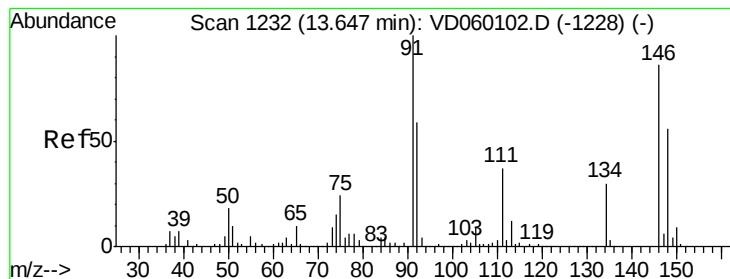
Tot Ion: 91 Resp: 1274470
Ion Ratio Lower Upper
91 100
92 60.1 30.1 90.3
134 23.6 11.6 34.7



#90
Hexachloroethane
Concen: 22.920 ug/l
RT: 13.86 min Scan# 1253
Delta R.T. 0.02 min
Lab File: VD060242.D
Acq: 31 Oct 2018 15:27

Tgt Ion: 117 Resp: 285610
Ion Ratio Lower Upper
117 100
201 71.2 34.8 104.5





#91

1,2-Dichlorobenzene

Concen: 23.771 ug/l

RT: 13.66 min Scan# 1233

Delta R.T. 0.02 min

Lab File: VD060242.D

Acq: 31 Oct 2018 15:27

Instrument :

MSVOA_D

ClientSampleId :

VD1031SBS01

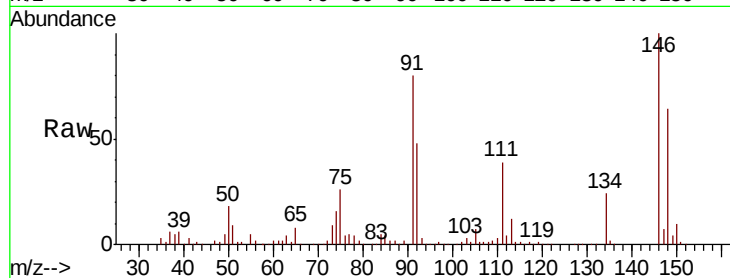
Tot Ion:146 Resp: 632593

Ion Ratio Lower Upper

146 100

111 39.5 21.4 64.3

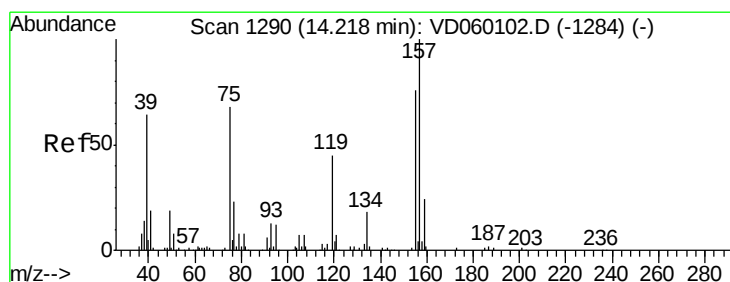
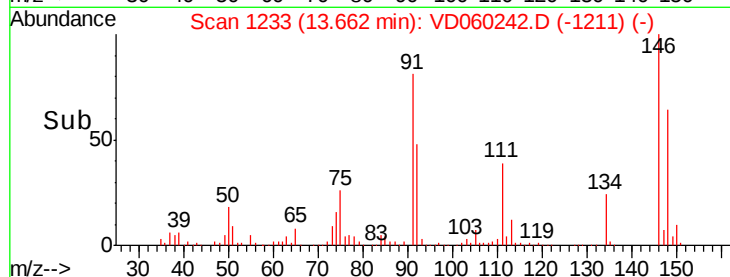
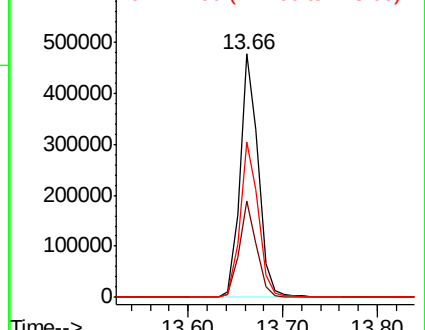
148 63.6 32.2 96.6



Abundance Ion 145.95 (145.65 to 146.65): V

Ion 110.90 (110.60 to 111.60): V

Ion 147.90 (147.60 to 148.60): V



#92

1,2-Dibromo-3-Chloropropane

Concen: 23.412 ug/l

RT: 14.23 min Scan# 1291

Delta R.T. 0.02 min

Lab File: VD060242.D

Acq: 31 Oct 2018 15:27

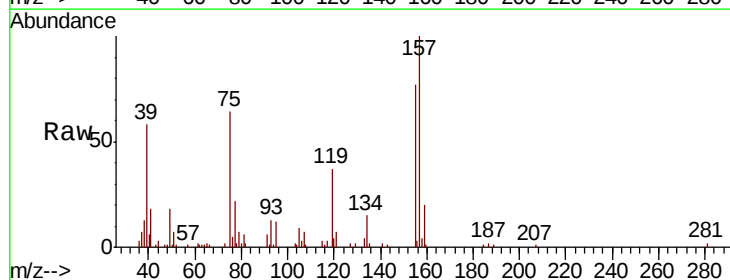
Tgt Ion: 75 Resp: 42663

Ion Ratio Lower Upper

75 100

155 119.7 55.9 167.7

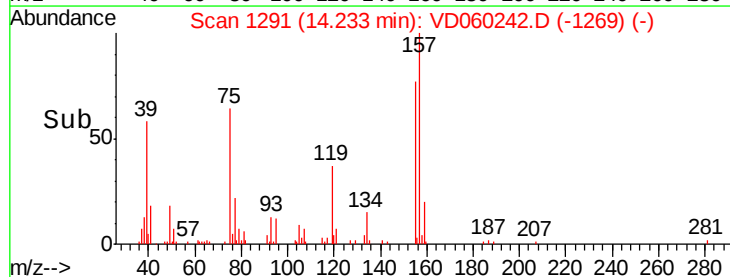
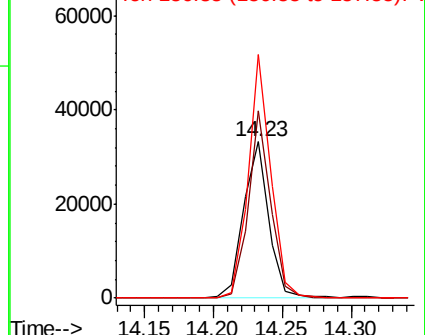
157 156.0 73.3 219.8

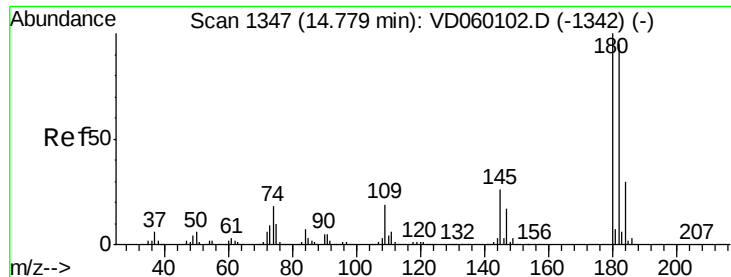


Abundance Ion 75.00 (74.70 to 75.70): V

Ion 154.90 (154.60 to 155.60): V

Ion 156.85 (156.55 to 157.55): V

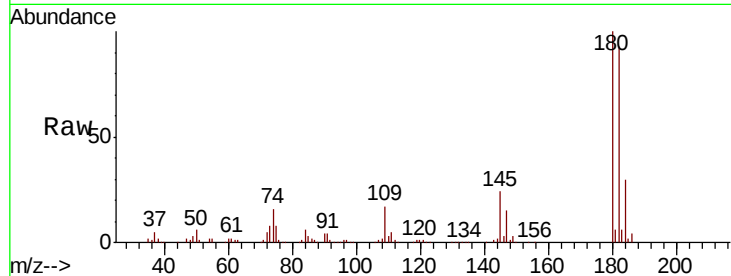




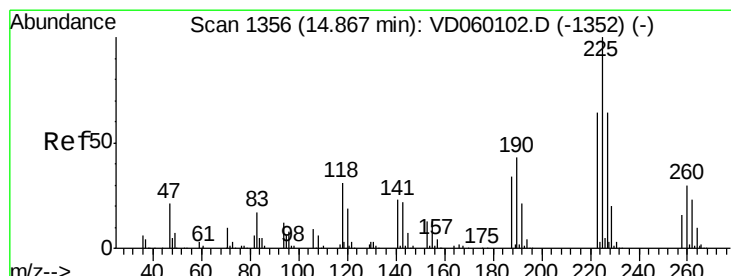
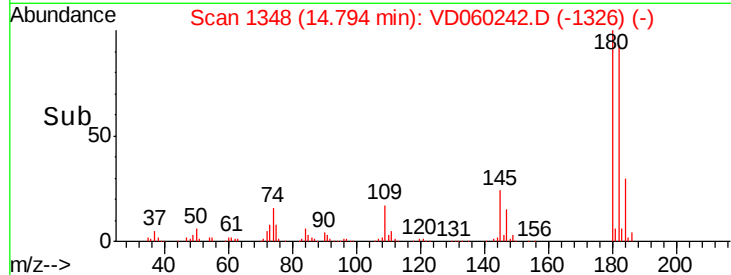
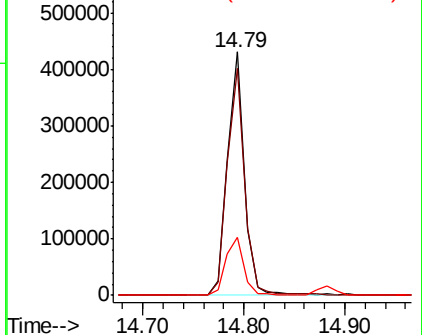
#93
 1,2,4-Trichlorobenzene
 Concen: 22.214 ug/l
 RT: 14.79 min Scan# 1348
 Delta R.T. 0.02 min
 Lab File: VD060242.D
 Acq: 31 Oct 2018 15:27

Instrument :
 MSVOA_D
 ClientSampleId :
 VD1031SBS01

Tot Ion	Ratio	Lower	Upper
180	100		
182	93.0	47.3	141.8
145	23.9	13.0	38.9

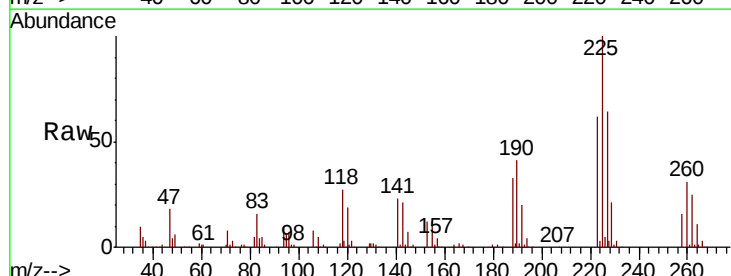


Abundance Ion 179.85 (179.55 to 180.55): V
 Ion 181.85 (181.55 to 182.55): V
 Ion 144.95 (144.65 to 145.65): V

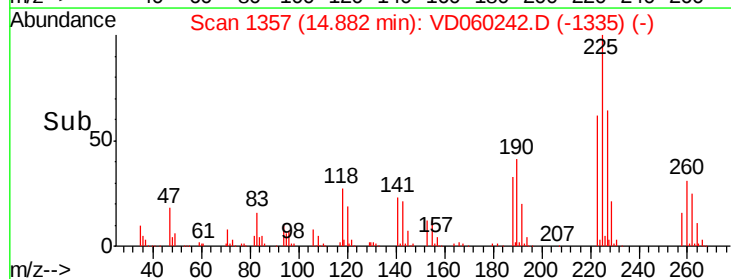
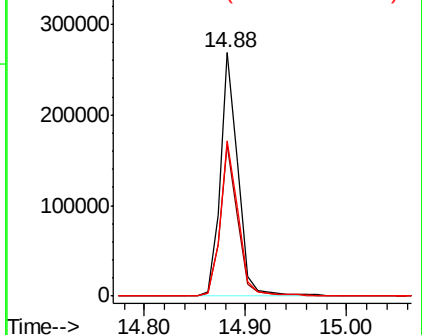


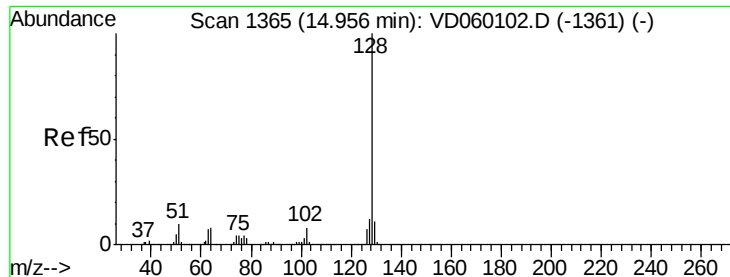
#94
 Hexachlorobutadiene
 Concen: 21.930 ug/l
 RT: 14.88 min Scan# 1357
 Delta R.T. 0.02 min
 Lab File: VD060242.D
 Acq: 31 Oct 2018 15:27

Tgt Ion	Ratio	Lower	Upper
225	100		
223	62.3	31.8	95.4
227	63.8	32.0	96.0



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

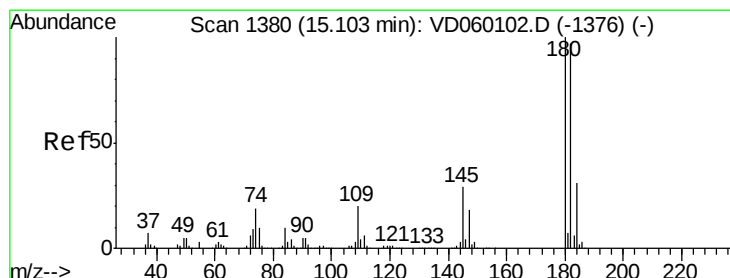
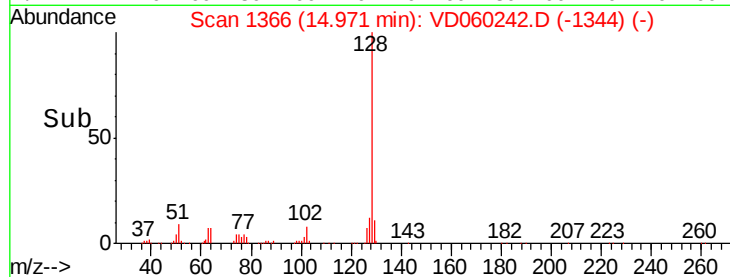
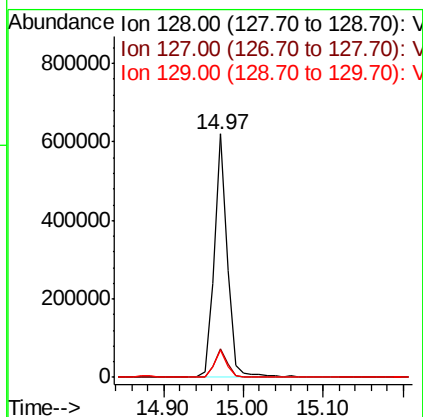
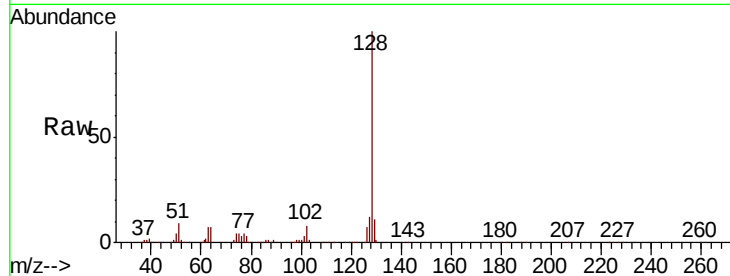




#95
Naphthalene
Concen: 21.605 ug/l
RT: 14.97 min Scan# 1366
Delta R.T. 0.02 min
Lab File: VD060242.D
Acq: 31 Oct 2018 15:27

Instrument :
MSVOA_D
ClientSampleId :
VD1031SBS01

Tot Ion:128 Resp: 723379
Ion Ratio Lower Upper
128 100
127 11.8 9.9 14.9
129 11.0 8.8 13.2



#96
1,2,3-Trichlorobenzene
Concen: 21.996 ug/l
RT: 15.12 min Scan# 1381
Delta R.T. 0.02 min
Lab File: VD060242.D
Acq: 31 Oct 2018 15:27

Tgt Ion:180 Resp: 432205
Ion Ratio Lower Upper
180 100
182 93.2 48.4 145.0
145 25.5 14.5 43.6

