

Data Path : Z:\VOASRV\HPCHEM1\MSVOA D\DATA\VD062418\
 Data File : VD058365.D
 Acq On : 24 Jun 2018 12:08
 Operator : VA/AP
 Sample : VD0624SBS01
 Misc : 5.00g/5ml/MSVOA D/SOIL
 ALS Vial : 4 Sample Multiplier: 1

Instrument :
 MSVOA_D
 ClientSampleId :

Quant Time: Jun 25 04:00:16 2018
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_D\METHOD\82D061918S.M
 Quant Title : SW846 8260
 QLast Update : Wed Jun 20 05:52:56 2018
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Pentafluorobenzene	5.66	168	956013	50.00	ug/l	0.02
34) 1,4-Difluorobenzene	6.70	114	1245262	50.00	ug/l	0.00
63) Chlorobenzene-d5	10.70	117	964129	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	12.91	152	495741	50.00	ug/l	0.00

System Monitoring Compounds

33) 1,2-Dichloroethane-d4	6.03	65	504048	52.20	ug/l	0.02
Spiked Amount	50.000		Recovery	=	104.40%	
35) Dibromofluoromethane	5.56	113	533330	52.62	ug/l	0.00
Spiked Amount	50.000		Recovery	=	105.24%	
50) Toluene-d8	8.72	98	1278343	52.13	ug/l	0.00
Spiked Amount	50.000		Recovery	=	104.26%	
62) 4-Bromofluorobenzene	11.94	95	506923	50.61	ug/l	0.00
Spiked Amount	50.000		Recovery	=	101.22%	

Target Compounds

					Qvalue
2) Dichlorodifluoromethane	1.34	85	236619	24.332	ug/l 96
3) Chloromethane	1.50	50	127300	28.653	ug/l 98
4) Vinyl Chloride	1.56	62	120628	24.086	ug/l 95
5) Bromomethane	1.80	94	42326	22.656	ug/l 100
6) Chloroethane	1.89	64	41503	21.231	ug/l 96
7) Trichlorofluoromethane	2.09	101	160624	23.391	ug/l 94
8) Diethyl Ether	2.36	74	33940	23.368	ug/l 82
9) 1,1,2-Trichlorotrifluoroet	2.57	101	101186	23.179	ug/l 99
10) Methyl Iodide	2.70	142	113756	22.909	ug/l # 93
11) Tert butyl alcohol	3.27	59	31309	98.306	ug/l 97
12) 1,1-Dichloroethene	2.56	96	80741	24.583	ug/l 98
13) Acrolein	2.49	56	17530	96.419	ug/l 94
14) Allyl chloride	2.93	41	180064	23.555	ug/l 97
15) Acrylonitrile	3.37	53	151073	178.895	ug/l 95
16) Acetone	2.62	43	149587	113.273	ug/l # 88
17) Carbon Disulfide	2.76	76	249942	22.367	ug/l 99
18) Methyl Acetate	2.95	43	56264	19.977	ug/l # 91
19) Methyl tert-butyl Ether	3.41	73	360986	41.438	ug/l 99
20) Methylene Chloride	3.08	84	87158	22.677	ug/l 97
21) trans-1,2-Dichloroethene	3.39	96	179627	50.041	ug/l 87
22) Diisopropyl ether	4.08	45	655188	21.580	ug/l 96
23) Vinyl Acetate	4.03	43	1712710	105.233	ug/l 99
24) 1,1-Dichloroethane	3.98	63	372103	22.749	ug/l 96
25) 2-Butanone	4.85	43	295610	102.704	ug/l 99
26) 2,2-Dichloropropane	4.81	77	320470	23.399	ug/l 95
27) cis-1,2-Dichloroethene	4.81	96	225070	25.091	ug/l 89
28) Bromochloromethane	5.15	49	162886	22.215	ug/l # 94
29) Tetrahydrofuran	5.19	42	149515	97.592	ug/l 95
30) Chloroform	5.33	83	405811	23.501	ug/l 93
31) Cyclohexane	5.61	56	296252	22.021	ug/l 98
32) 1,1,1-Trichloroethane	5.52	97	332152	23.280	ug/l 100
36) 1,1-Dichloropropene	5.75	75	285609	23.185	ug/l 95
37) Ethyl Acetate	4.94	43	143418	20.433	ug/l # 95
38) Carbon Tetrachloride	5.74	117	277602	22.680	ug/l 97

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 Quant Title : SW846 8260
 QLast Update : Wed Jun 20 05:52:56 2018
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
39) Methylcyclohexane	7.29	83	275010	22.920	ug/l	95
40) Benzene	6.02	78	638855	21.771	ug/l	98
41) Methacrylonitrile	5.14	41	71940	21.226	ug/l	98
42) 1,2-Dichloroethane	6.14	62	267634	22.619	ug/l	99
43) Isopropyl Acetate	7.63	43	186011	19.878	ug/l	97
44) Trichloroethene	7.00	130	229770	26.076	ug/l	91
45) 1,2-Dichloropropane	7.36	63	174820	22.121	ug/l	93
46) Dibromomethane	7.47	93	120437	22.324	ug/l	92
47) Bromodichloromethane	7.75	83	271653	22.081	ug/l	99
48) Methyl methacrylate	7.52	41	115205	20.257	ug/l	97
49) 1,4-Dioxane	7.50	88	23458	456.936	ug/l #	87
51) 4-Methyl-2-Pentanone	8.61	43	642894	105.329	ug/l	99
52) Toluene	8.82	92	374052	22.386	ug/l	97
53) t-1,3-Dichloropropene	9.20	75	236829	22.141	ug/l	97
54) cis-1,3-Dichloropropene	8.37	75	279538	22.292	ug/l	97
55) 1,1,2-Trichloroethane	9.47	97	131023	22.163	ug/l	96
56) Ethyl methacrylate	9.33	69	147296	20.834	ug/l	95
57) 1,3-Dichloropropane	9.67	76	212290	21.318	ug/l	100
58) 2-Chloroethyl Vinyl ether	8.20	63	380731	108.778	ug/l	98
59) 2-Hexanone	9.79	43	476787	108.105	ug/l	98
60) Dibromochloromethane	9.97	129	172757	21.533	ug/l	97
61) 1,2-Dibromoethane	10.11	107	143932	22.245	ug/l	98
64) Tetrachloroethene	9.53	164	199128	24.546	ug/l	98
65) Chlorobenzene	10.74	112	446915	24.781	ug/l	96
66) 1,1,1,2-Tetrachloroethane	10.85	131	168102	24.154	ug/l	99
67) Ethyl Benzene	10.86	91	781749	24.553	ug/l	99
68) m/p-Xylenes	11.01	106	522105	49.174	ug/l	97
69) o-Xylene	11.42	106	252050	24.855	ug/l	98
70) Styrene	11.44	104	415885	24.033	ug/l	97
71) Bromoform	11.60	173	123795	22.298	ug/l #	95
73) Isopropylbenzene	11.78	105	741483	25.006	ug/l	98
74) N-amyl acetate	11.65	43	248957	21.714	ug/l	99
75) 1,1,2,2-Tetrachloroethane	12.08	83	143885	20.851	ug/l	98
76) 1,2,3-Trichloropropane	12.11	75	154264	21.313	ug/l	100
77) Bromobenzene	12.05	156	216557	24.389	ug/l	88
78) n-propylbenzene	12.15	91	937860	24.492	ug/l	96
79) 2-Chlorotoluene	12.22	91	529444	24.161	ug/l	93
80) 1,3,5-Trimethylbenzene	12.32	105	579015	25.035	ug/l	98
81) trans-1,4-Dichloro-2-buten	11.85	75	37391	21.181	ug/l	86
82) 4-Chlorotoluene	12.33	91	624184	26.693	ug/l	91
83) tert-Butylbenzene	12.58	119	638727	24.021	ug/l	94
84) 1,2,4-Trimethylbenzene	12.63	105	607068	24.147	ug/l	99
85) sec-Butylbenzene	12.76	105	764687	24.535	ug/l	98
86) p-Isopropyltoluene	12.89	119	641676	25.405	ug/l	95
87) 1,3-Dichlorobenzene	12.84	146	362718	23.502	ug/l	97
88) 1,4-Dichlorobenzene	12.93	146	359317	23.842	ug/l	95
89) n-Butylbenzene	13.20	91	635349	23.935	ug/l	97
90) Hexachloroethane	13.40	117	152362	23.241	ug/l	80
91) 1,2-Dichlorobenzene	13.20	146	305773	23.282	ug/l	100
92) 1,2-Dibromo-3-Chloropropan	13.78	75	22156	20.175	ug/l	78

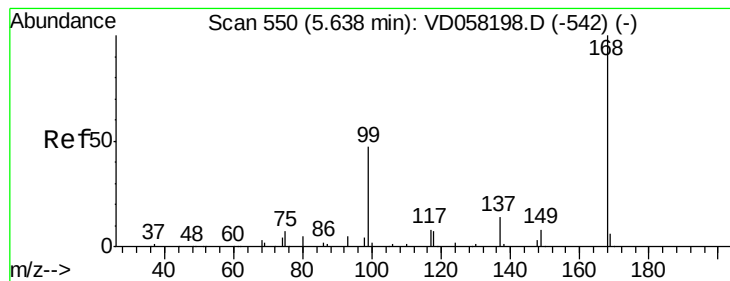
Data Path : Z:\V0ASRV\HPCHEM1\MSVOA D\DATA\VD062418\
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Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
93) 1,2,4-Trichlorobenzene	14.35	180	285760	22.749	ug/l	96
94) Hexachlorobutadiene	14.44	225	221942	22.590	ug/l	95
95) Naphthalene	14.52	128	361621	21.855	ug/l	99
96) 1,2,3-Trichlorobenzene	14.66	180	243286	22.124	ug/l	97

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



#1

Pentafluorobenzene

Concen: 50.000 ug/l

RT: 5.66 min Scan# 552

Delta R.T. 0.02 min

Lab File: VD058365.D

Acq: 24 Jun 2018 12:08

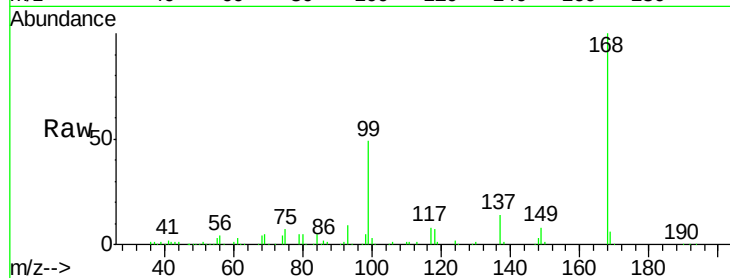
Instrument :
MSVOA_D
ClientSampleId :

Tot Ion:168 Resp: 956013

Ion Ratio Lower Upper

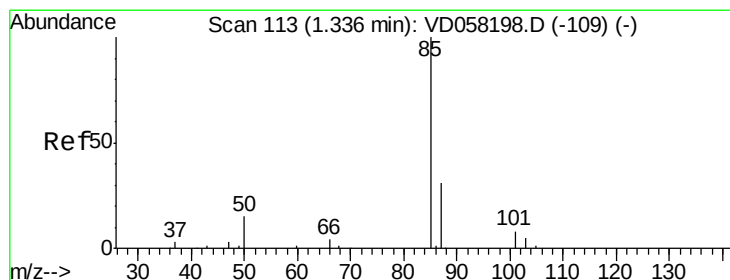
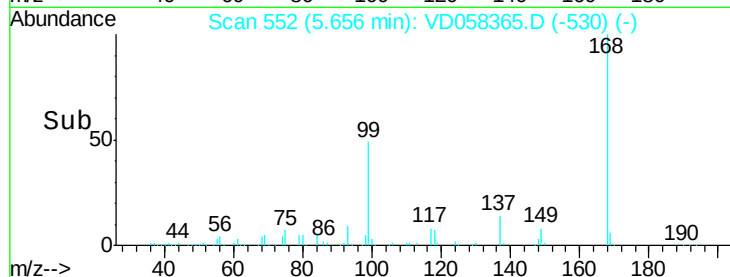
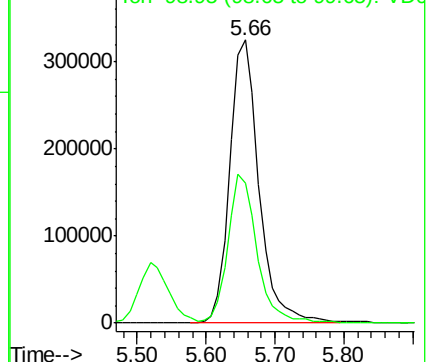
168 100

99 49.4 41.1 61.7



Abundance Ion 167.90 (167.60 to 168.60): V

Ion 98.95 (98.65 to 99.65): VDC



#2

Dichlorodifluoromethane

Concen: 24.332 ug/l

RT: 1.34 min Scan# 114

Delta R.T. 0.01 min

Lab File: VD058365.D

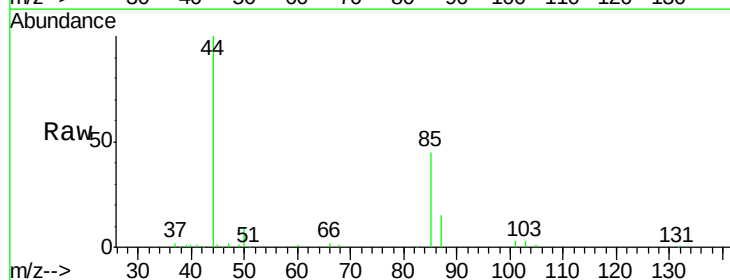
Acq: 24 Jun 2018 12:08

Tgt Ion: 85 Resp: 236619

Ion Ratio Lower Upper

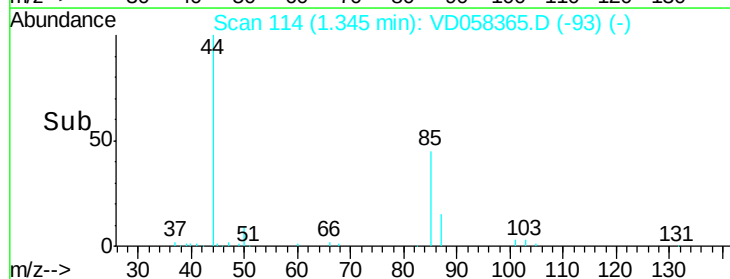
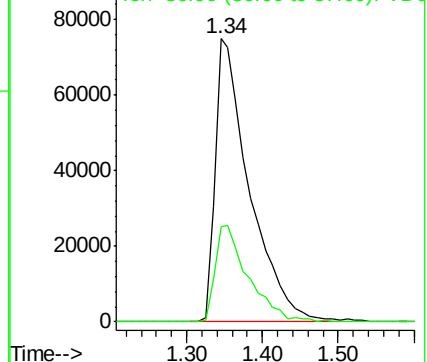
85 100

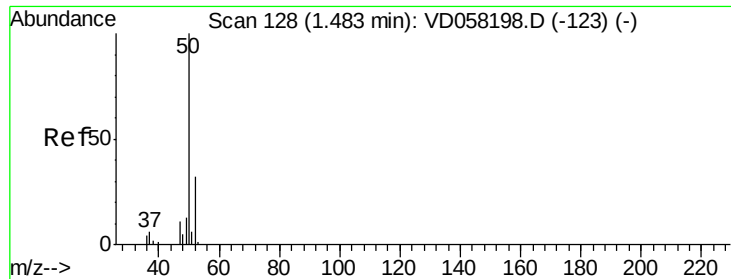
87 33.5 15.7 47.0



Abundance Ion 84.95 (84.65 to 85.65): VDC

Ion 86.90 (86.60 to 87.60): VDC





#3

Chloromethane

Concen: 28.653 ug/l

RT: 1.50 min Scan# 130

Delta R.T. 0.02 min

Lab File: VD058365.D

Acq: 24 Jun 2018 12:08

Instrument :

MSVOA_D

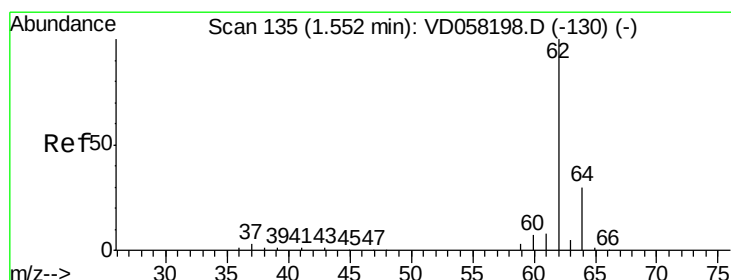
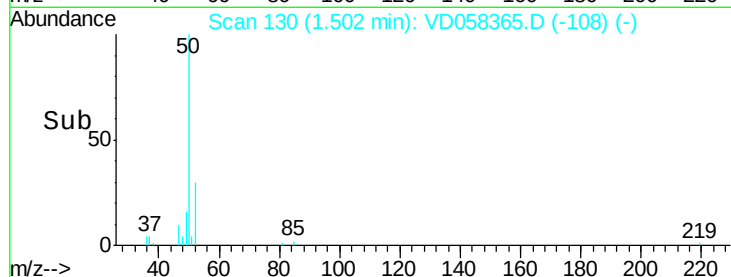
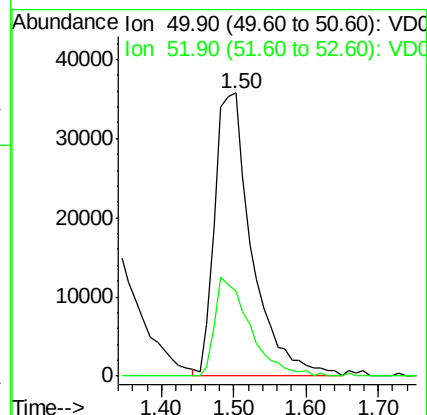
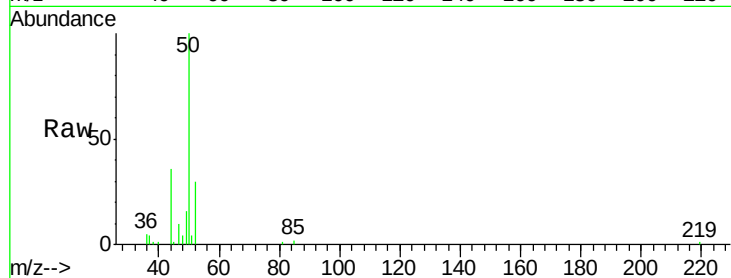
ClientSampleId :

Tot Ion: 50 Resp: 127300

Ion Ratio Lower Upper

50 100

52 30.1 25.0 37.4



#4

Vinyl Chloride

Concen: 24.086 ug/l

RT: 1.56 min Scan# 136

Delta R.T. 0.01 min

Lab File: VD058365.D

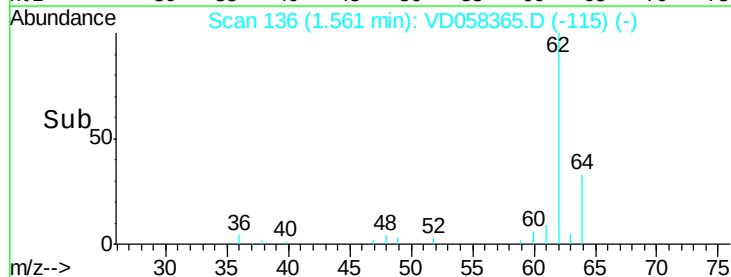
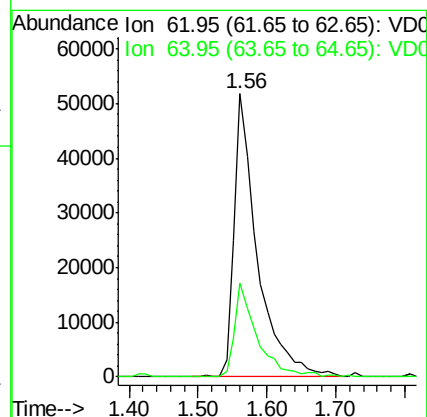
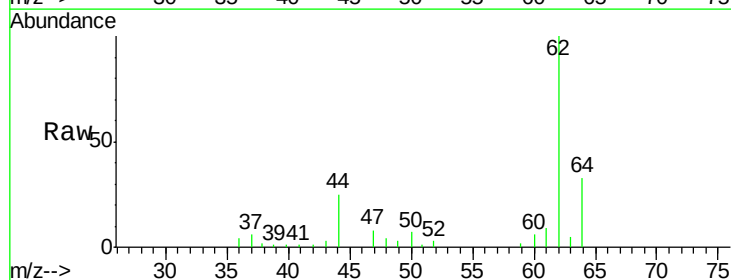
Acq: 24 Jun 2018 12:08

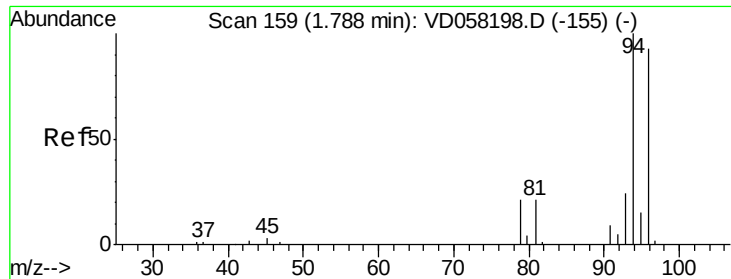
Tgt Ion: 62 Resp: 120628

Ion Ratio Lower Upper

62 100

64 33.0 24.4 36.6

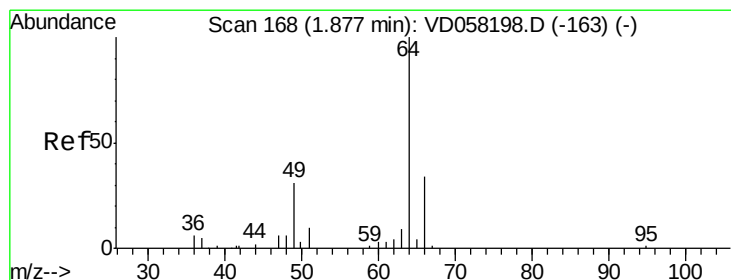
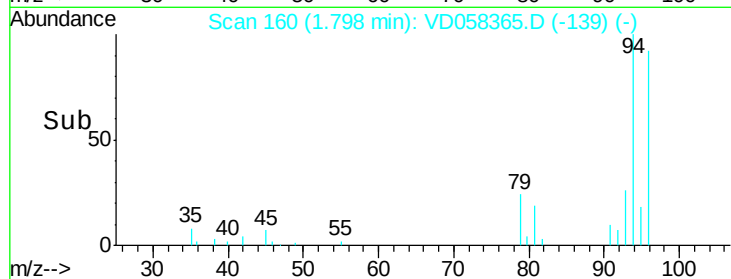
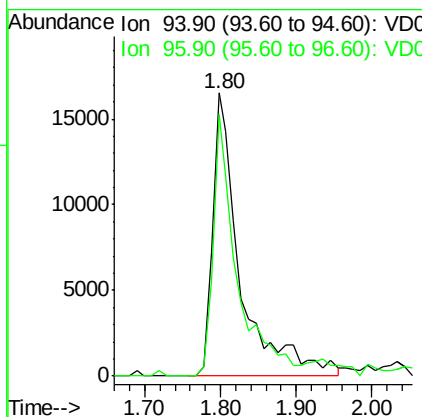
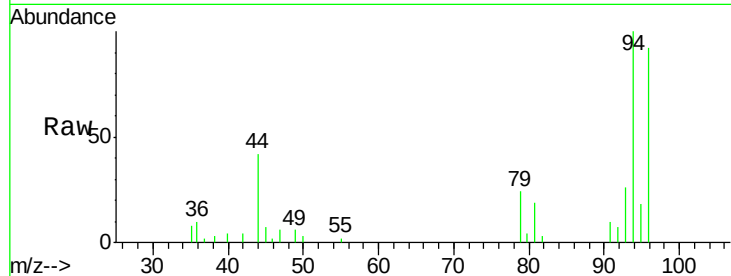




#5
Bromomethane
Concen: 22.656 ug/l
RT: 1.80 min Scan# 160
Delta R.T. 0.01 min
Lab File: VD058365.D
Acq: 24 Jun 2018 12:08

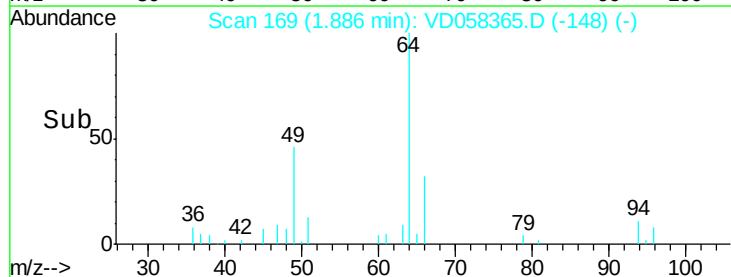
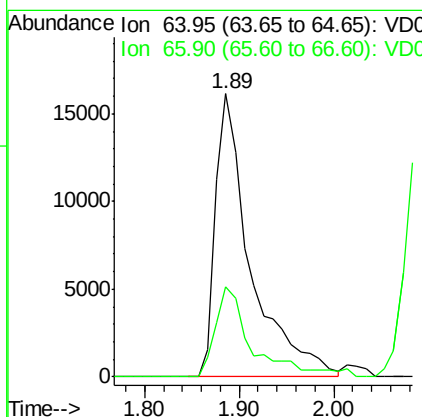
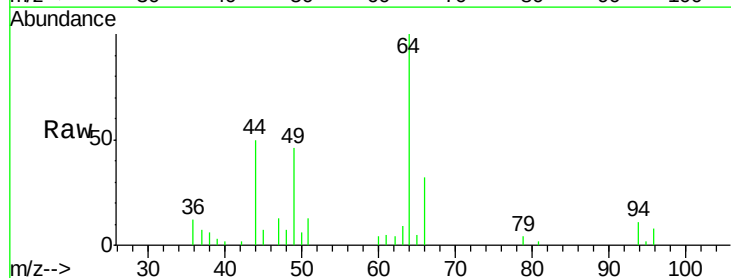
Instrument :
MSVOA_D
ClientSampled :

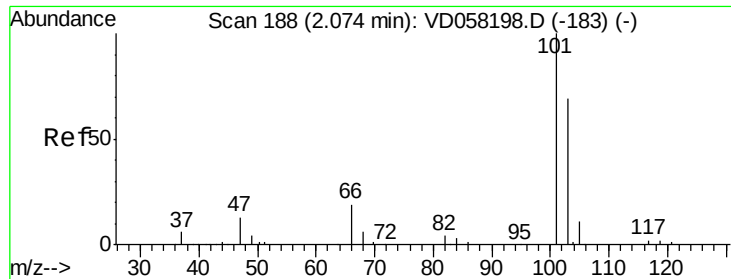
Tot Ion: 94 Resp: 42326
Ion Ratio Lower Upper
94 100
96 92.5 74.2 111.2



#6
Chloroethane
Concen: 21.231 ug/l
RT: 1.89 min Scan# 169
Delta R.T. 0.01 min
Lab File: VD058365.D
Acq: 24 Jun 2018 12:08

Tgt Ion: 64 Resp: 41503
Ion Ratio Lower Upper
64 100
66 32.0 27.3 40.9



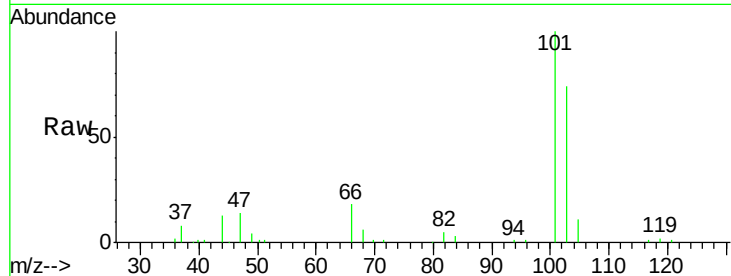


#7

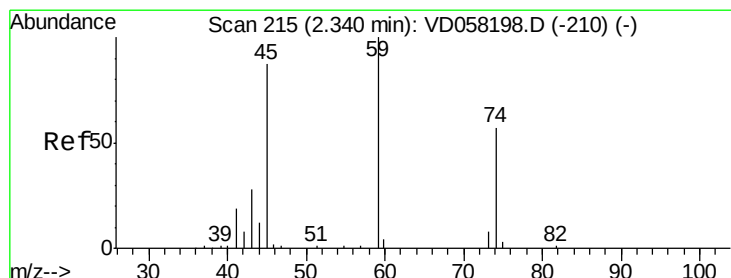
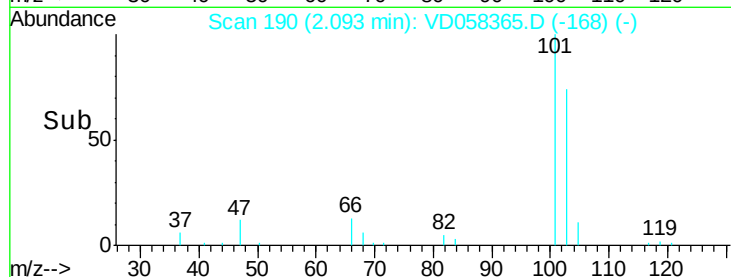
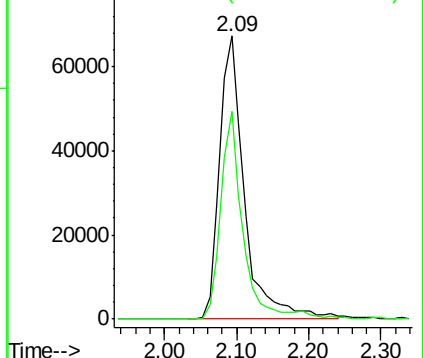
Trichlorofluoromethane
Concen: 23.391 ug/l
RT: 2.09 min Scan# 190
Delta R.T. 0.02 min
Lab File: VD058365.D
Acq: 24 Jun 2018 12:08

Instrument :
MSVOA_D
ClientSampleId :

Tot Ion:101 Resp: 160624
Ion Ratio Lower Upper
101 100
103 73.5 55.1 82.7



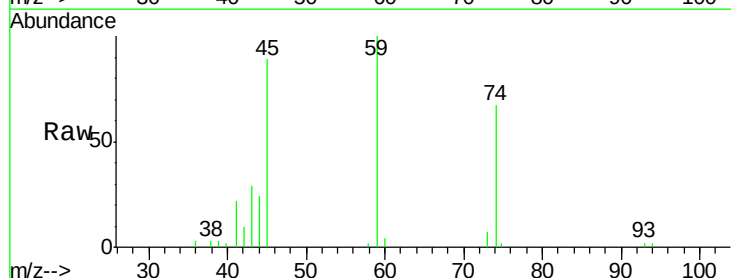
Abundance Ion 100.85 (100.55 to 101.55): V
Ion 102.85 (102.55 to 103.55): V



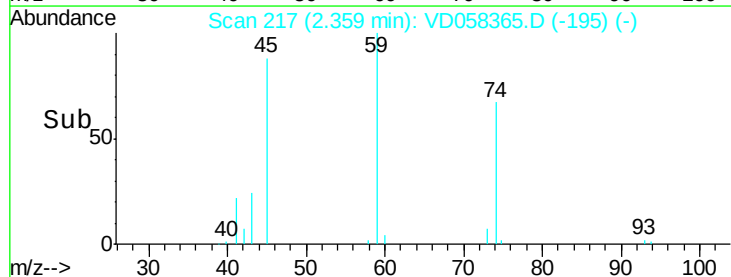
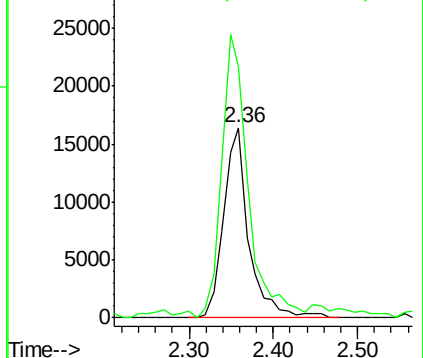
#8

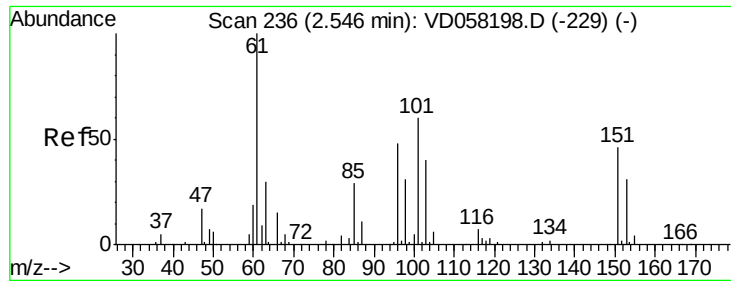
Diethyl Ether
Concen: 23.368 ug/l
RT: 2.36 min Scan# 217
Delta R.T. 0.02 min
Lab File: VD058365.D
Acq: 24 Jun 2018 12:08

Tgt Ion: 74 Resp: 33940
Ion Ratio Lower Upper
74 100
45 132.2 77.5 232.6



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: 23.179 ug/l

RT: 2.57 min Scan# 238

Delta R.T. 0.02 min

Lab File: VD058365.D

Acq: 24 Jun 2018 12:08

Instrument :

MSVOA_D

ClientSampled :

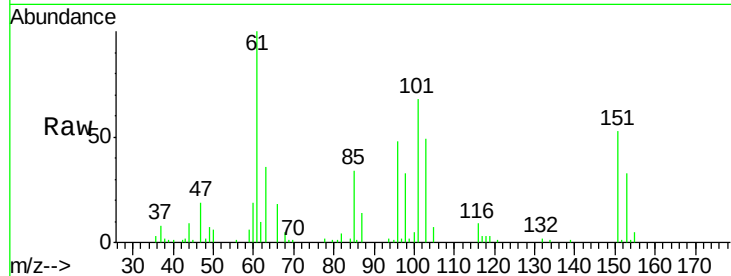
Tot Ion:101 Resp: 101186

Ion Ratio Lower Upper

101 100

85 49.4 39.0 58.4

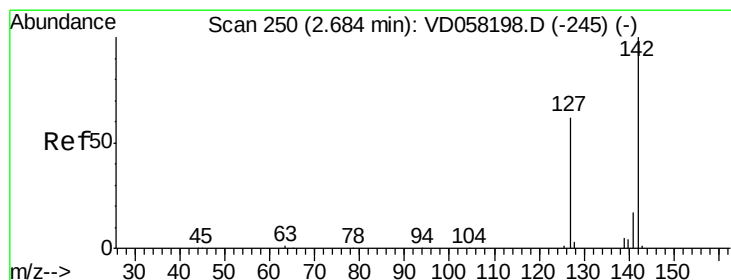
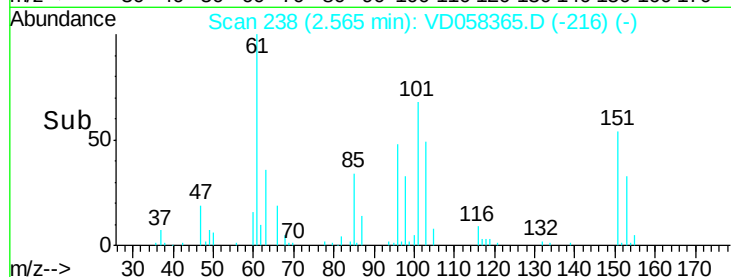
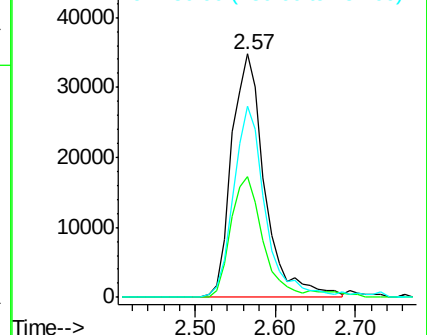
151 78.3 61.8 92.8



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: 22.909 ug/l

RT: 2.70 min Scan# 252

Delta R.T. 0.02 min

Lab File: VD058365.D

Acq: 24 Jun 2018 12:08

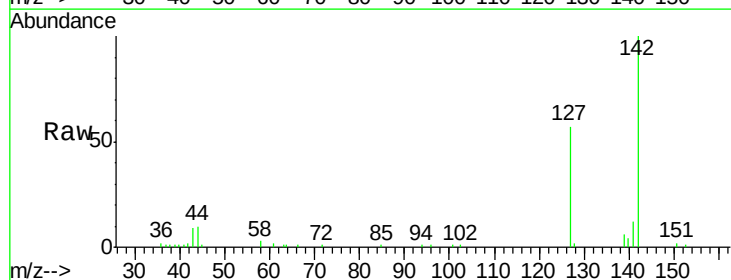
Tgt Ion:142 Resp: 113756

Ion Ratio Lower Upper

142 100

127 56.9 49.4 74.0

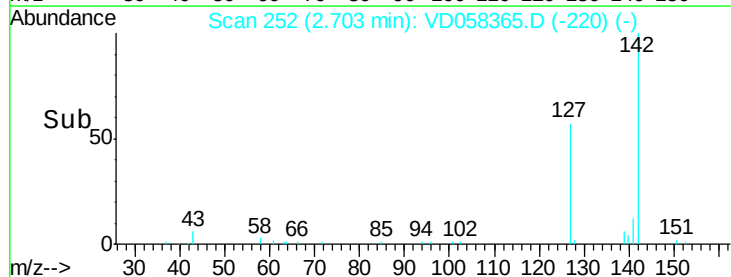
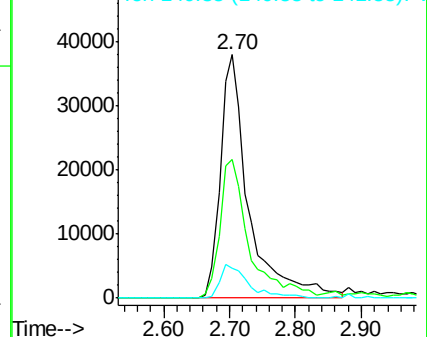
141 12.3 13.5 20.3#

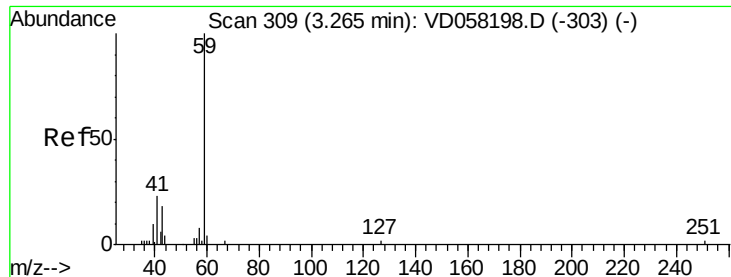


Abundance Ion 141.85 (141.55 to 142.55): V

Ion 126.80 (126.50 to 127.50): V

Ion 140.85 (140.55 to 141.55): V



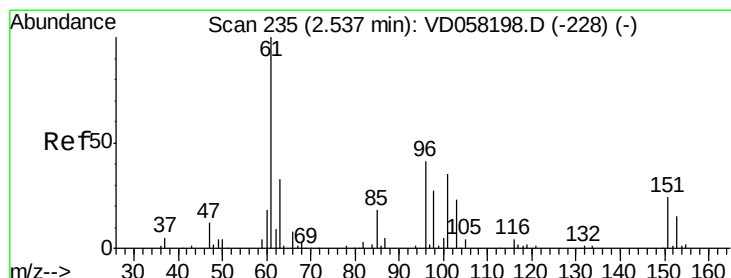
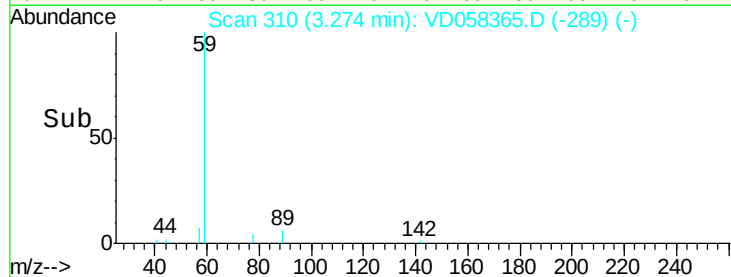
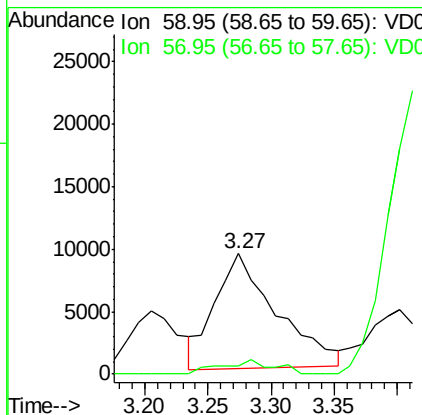
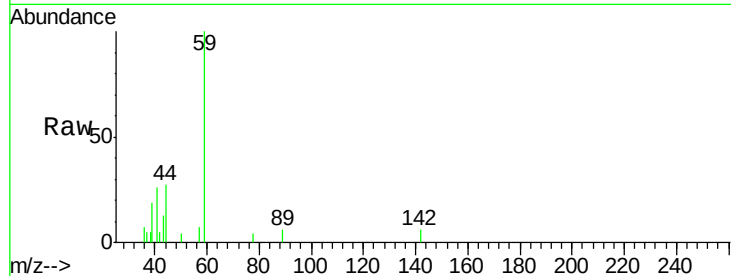


#11

Tert butyl alcohol
Concen: 98.306 ug/l
RT: 3.27 min Scan# 310
Delta R.T. 0.01 min
Lab File: VD058365.D
Acq: 24 Jun 2018 12:08

Instrument :
MSVOA_D
ClientSampled :

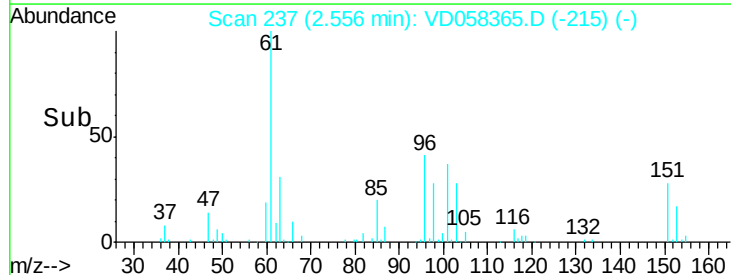
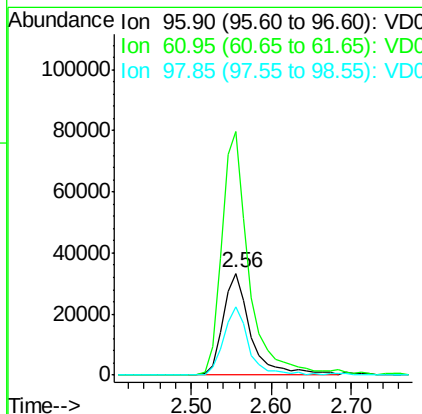
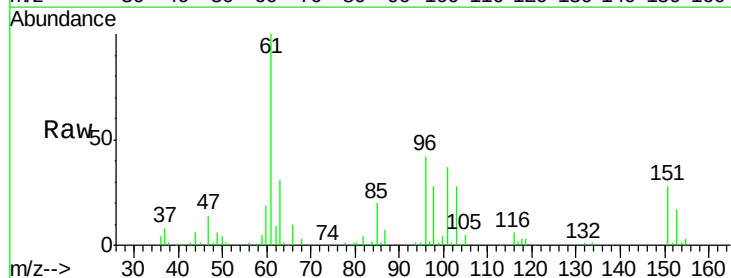
Tot Ion: 59 Resp: 31309
Ion Ratio Lower Upper
59 100
57 6.9 6.2 9.4

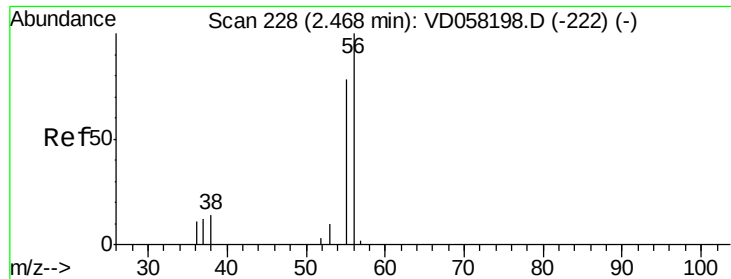


#12

1,1-Dichloroethene
Concen: 24.583 ug/l
RT: 2.56 min Scan# 237
Delta R.T. 0.02 min
Lab File: VD058365.D
Acq: 24 Jun 2018 12:08

Tgt Ion: 96 Resp: 80741
Ion Ratio Lower Upper
96 100
61 238.4 193.9 290.9
98 67.0 51.7 77.5





#13

Acrolein

Concen: 96.419 ug/l

RT: 2.49 min Scan# 230

Delta R.T. 0.02 min

Lab File: VD058365.D

Acq: 24 Jun 2018 12:08

Instrument :

MSVOA_D

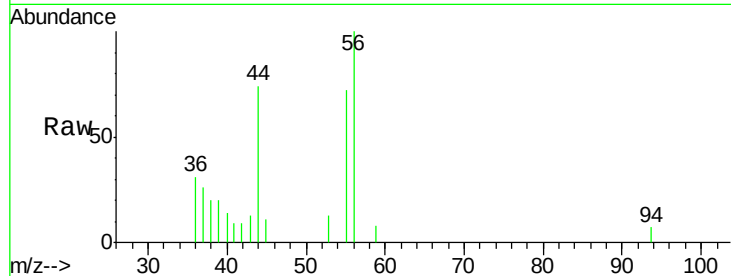
ClientSampleId :

Tot Ion: 56 Resp: 17530

Ion Ratio Lower Upper

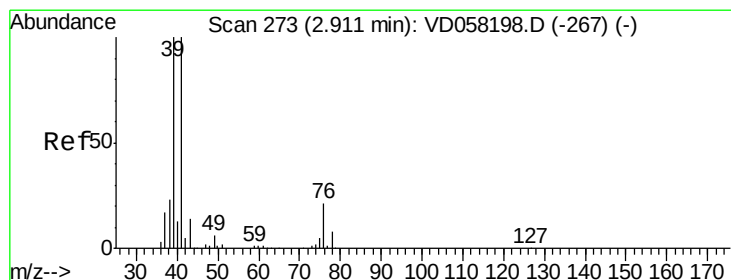
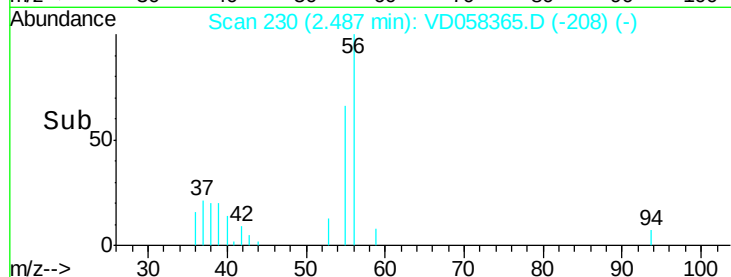
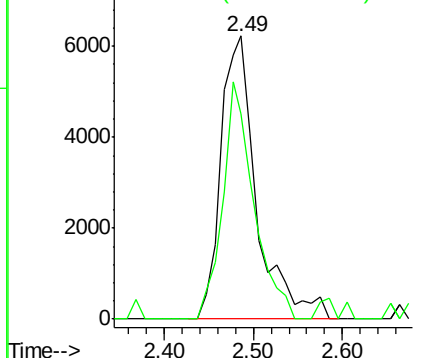
56 100

55 72.4 62.1 93.1



Abundance Ion 55.95 (55.65 to 56.65): VDC

Ion 55.00 (54.70 to 55.70): VDC



#14

Allyl chloride

Concen: 23.555 ug/l

RT: 2.93 min Scan# 275

Delta R.T. 0.02 min

Lab File: VD058365.D

Acq: 24 Jun 2018 12:08

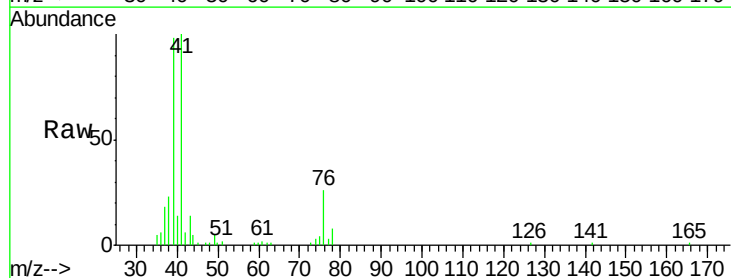
Tgt Ion: 41 Resp: 180064

Ion Ratio Lower Upper

41 100

39 97.8 80.1 120.1

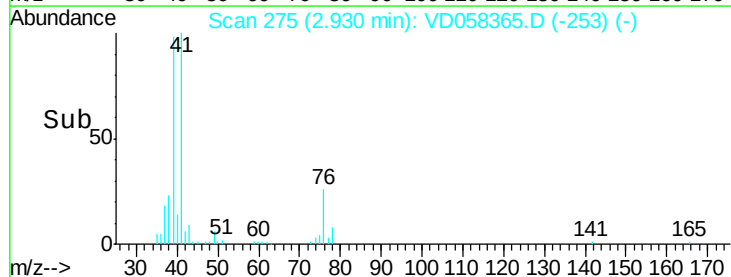
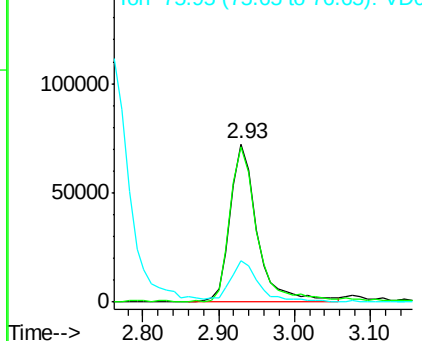
76 26.1 19.4 29.2

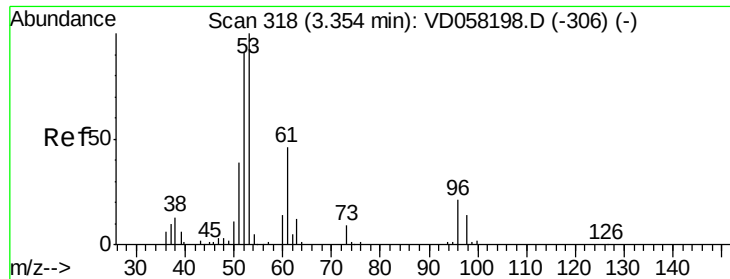


Abundance Ion 41.05 (40.75 to 41.75): VDC

Ion 38.95 (38.65 to 39.65): VDC

Ion 75.95 (75.65 to 76.65): VDC





#15

Acrylonitrile

Concen: 178.895 ug/l

RT: 3.37 min Scan# 320

Delta R.T. 0.02 min

Lab File: VD058365.D

Acq: 24 Jun 2018 12:08

Instrument :

MSVOA_D

ClientSampleId :

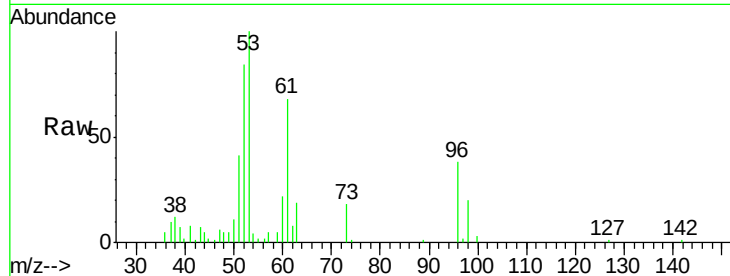
Tot Ion: 53 Resp: 151073

Ion Ratio Lower Upper

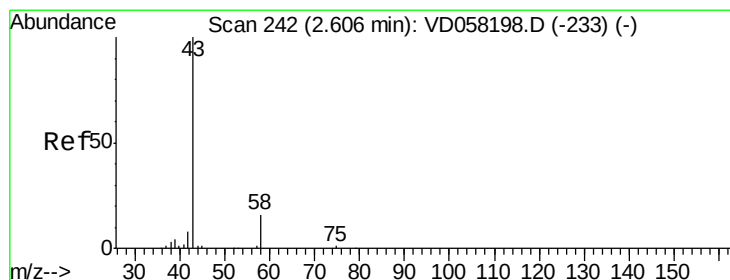
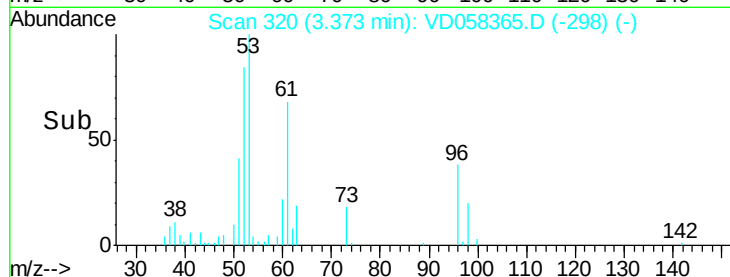
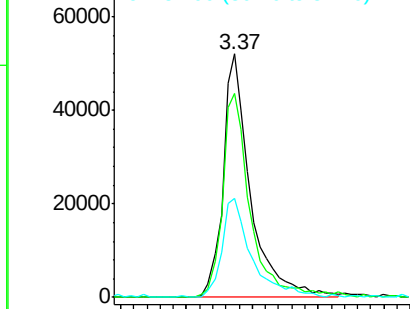
53 100

52 83.7 72.6 108.8

51 40.5 32.2 48.4



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: 113.273 ug/l

RT: 2.62 min Scan# 244

Delta R.T. 0.02 min

Lab File: VD058365.D

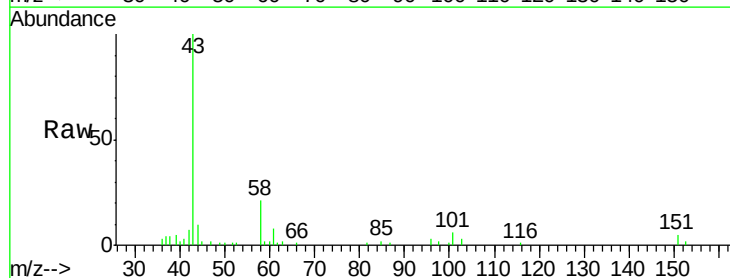
Acq: 24 Jun 2018 12:08

Tgt Ion: 43 Resp: 149587

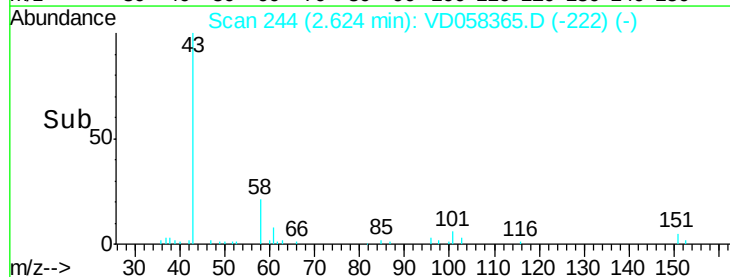
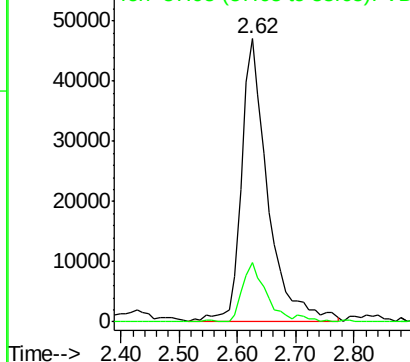
Ion Ratio Lower Upper

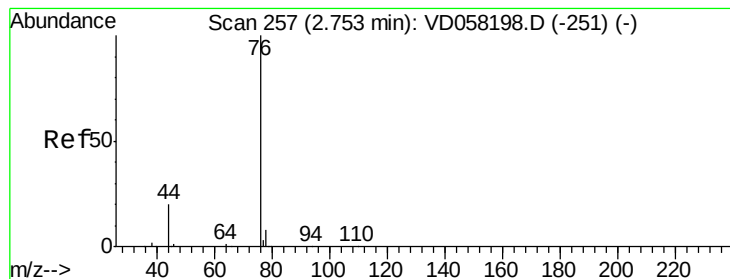
43 100

58 20.8 12.7 19.1#



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





#17

Carbon Disulfide

Concen: 22.367 ug/l

RT: 2.76 min Scan# 258

Delta R.T. 0.01 min

Lab File: VD058365.D

Acq: 24 Jun 2018 12:08

Instrument :

MSVOA_D

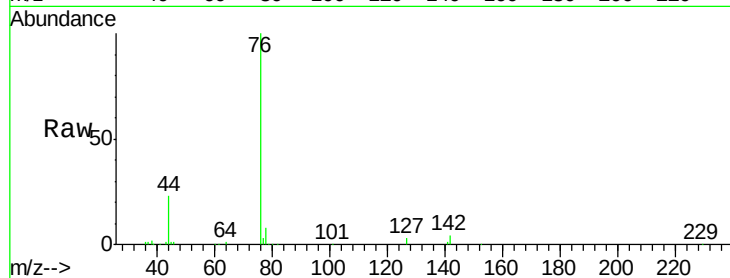
ClientSampleId :

Tot Ion: 76 Resp: 249942

Ion Ratio Lower Upper

76 100

78 8.1 6.8 10.2



Abundance Ion 75.85 (75.55 to 76.55): VDC

Ion 77.85 (77.55 to 78.55): VDC

2.76

120000

100000

80000

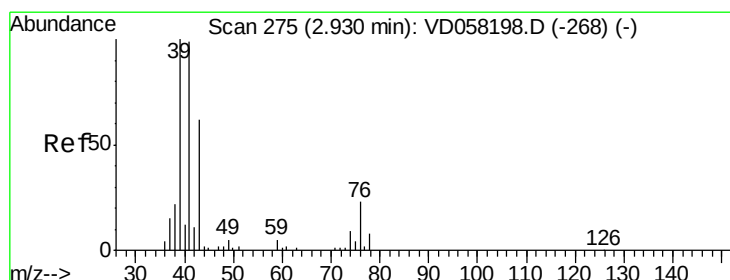
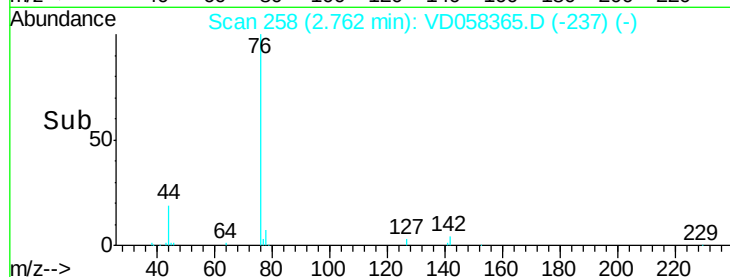
60000

40000

20000

0

Time-->



#18

Methyl Acetate

Concen: 19.977 ug/l

RT: 2.95 min Scan# 277

Delta R.T. 0.02 min

Lab File: VD058365.D

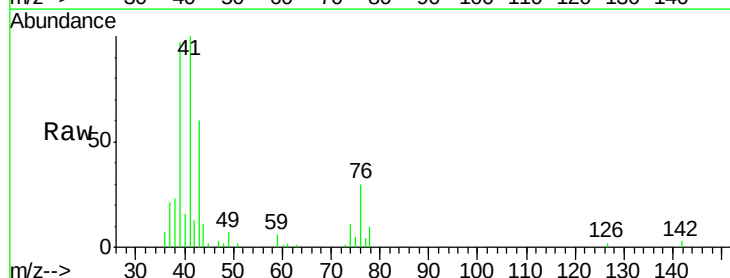
Acq: 24 Jun 2018 12:08

Tgt Ion: 43 Resp: 56264

Ion Ratio Lower Upper

43 100

74 18.1 11.7 17.5#



Abundance Ion 42.95 (42.65 to 43.65): VDC

Ion 74.00 (73.70 to 74.70): VDC

2.95

20000

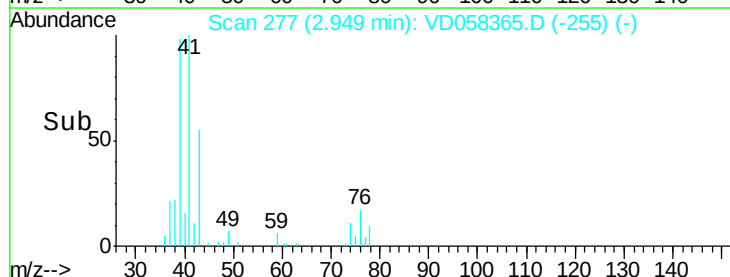
15000

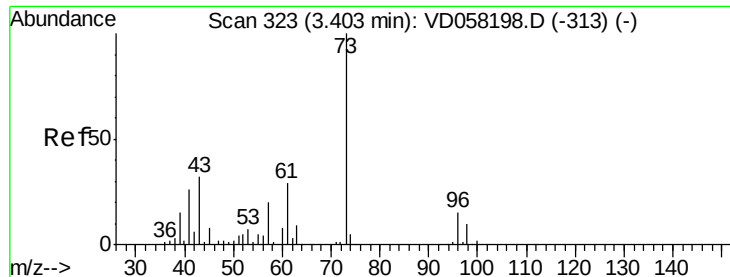
10000

5000

0

Time-->



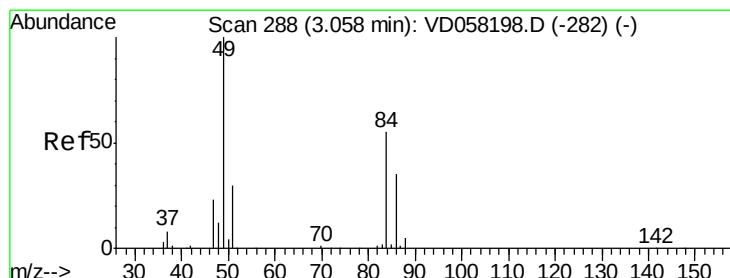
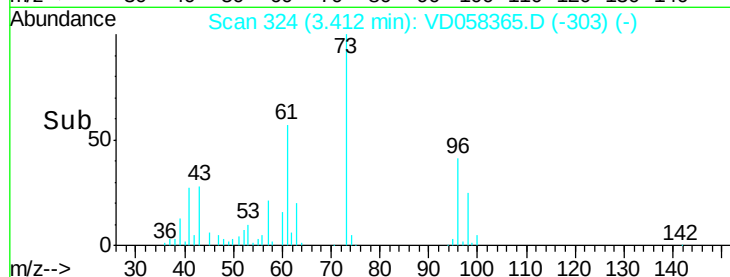
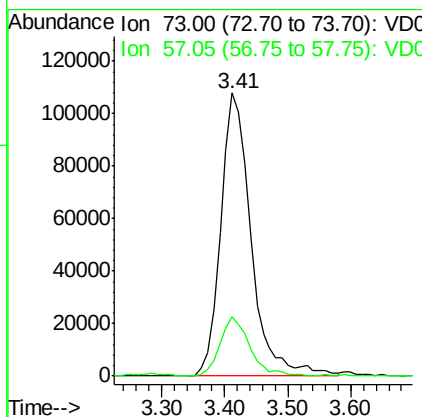
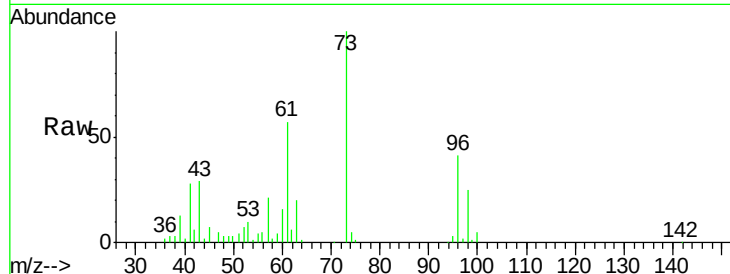


#19

Methyl tert-butyl Ether
 Concen: 41.438 ug/l
 RT: 3.41 min Scan# 324
 Delta R.T. 0.01 min
 Lab File: VD058365.D
 Acq: 24 Jun 2018 12:08

Instrument :
 MSVOA_D
 ClientSampleID :

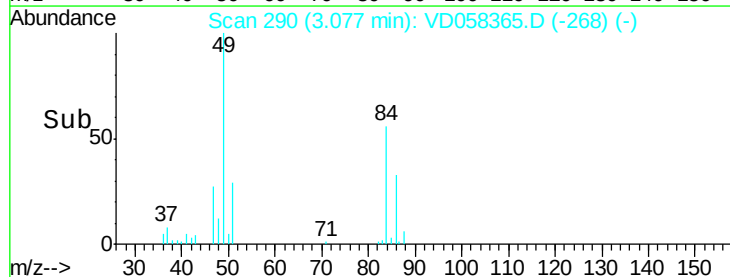
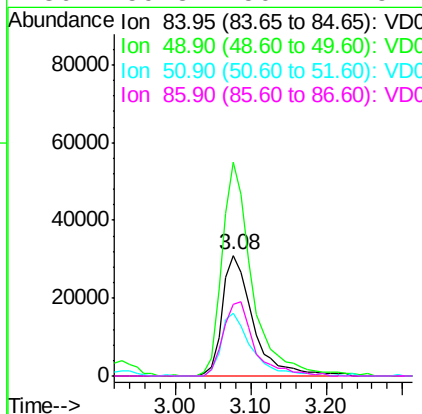
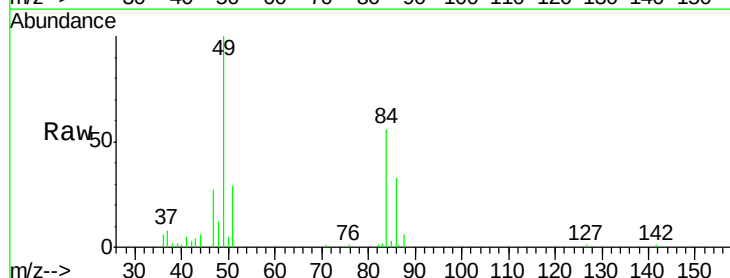
Tot Ion: 73 Resp: 360986
 Ion Ratio Lower Upper
 73 100
 57 21.0 16.6 24.8

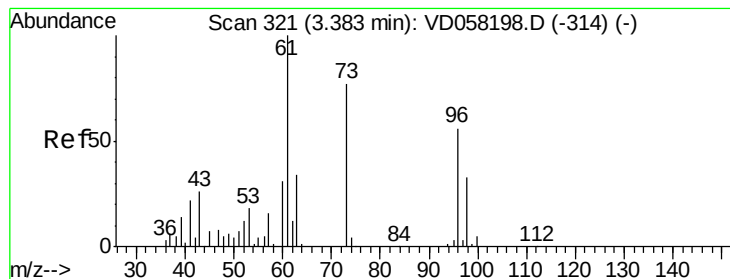


#20

Methylene Chloride
 Concen: 22.677 ug/l
 RT: 3.08 min Scan# 290
 Delta R.T. 0.02 min
 Lab File: VD058365.D
 Acq: 24 Jun 2018 12:08

Tgt Ion: 84 Resp: 87158
 Ion Ratio Lower Upper
 84 100
 49 177.5 145.0 217.6
 51 51.7 42.9 64.3
 86 59.3 50.1 75.1





#21

trans-1,2-Dichloroethene

Concen: 50.041 ug/l

RT: 3.39 min Scan# 322

Delta R.T. 0.01 min

Lab File: VD058365.D

Acq: 24 Jun 2018 12:08

Instrument :

MSVOA_D

ClientSampleId :

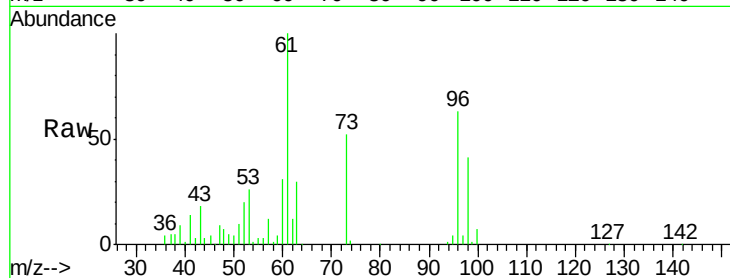
Tot Ion: 96 Resp: 179627

Ion Ratio Lower Upper

96 100

61 158.7 143.8 215.6

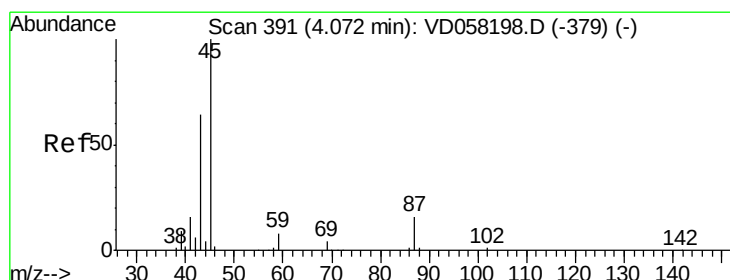
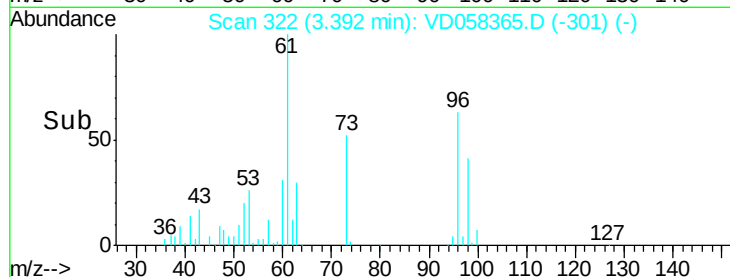
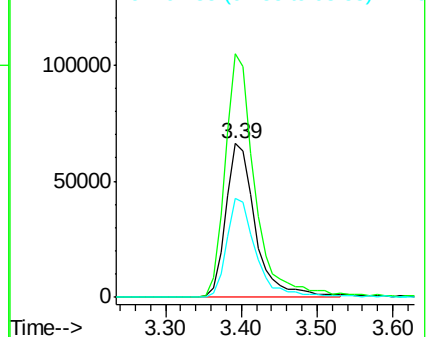
98 64.5 48.0 72.0



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: 21.580 ug/l

RT: 4.08 min Scan# 392

Delta R.T. 0.01 min

Lab File: VD058365.D

Acq: 24 Jun 2018 12:08

Tgt Ion: 45 Resp: 655188

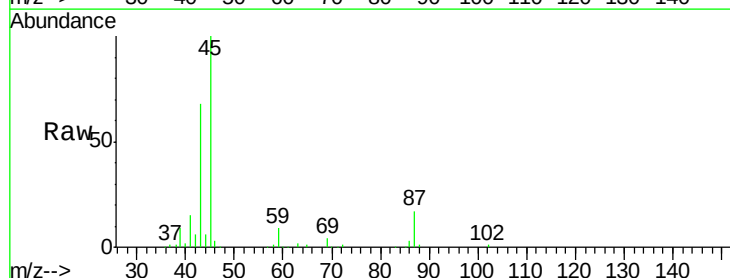
Ion Ratio Lower Upper

45 100

43 68.1 51.4 77.0

87 17.1 13.0 19.4

59 8.5 6.9 10.3

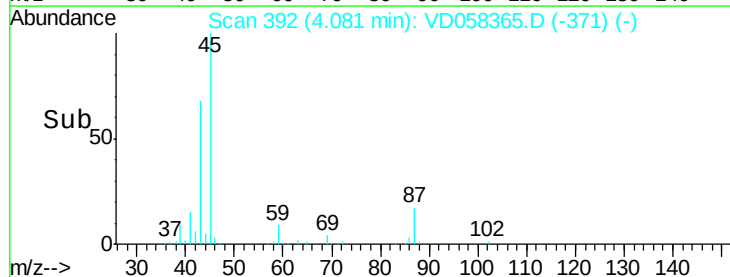
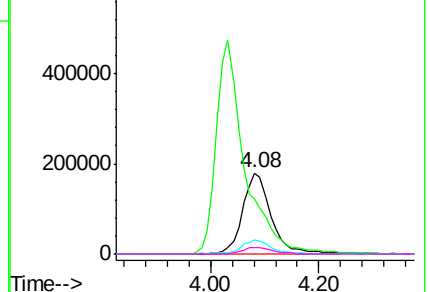


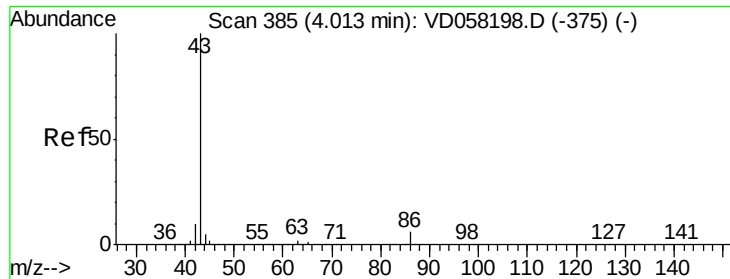
Abundance Ion 45.05 (44.75 to 45.75): VDC

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: 105.233 ug/l

RT: 4.03 min Scan# 387

Delta R.T. 0.02 min

Lab File: VD058365.D

Acq: 24 Jun 2018 12:08

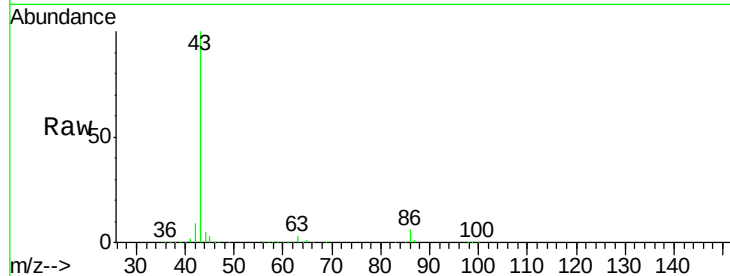
Instrument :
MSVOA_D
ClientSampled :

Tot Ion: 43 Resp: 1712710

Ion Ratio Lower Upper

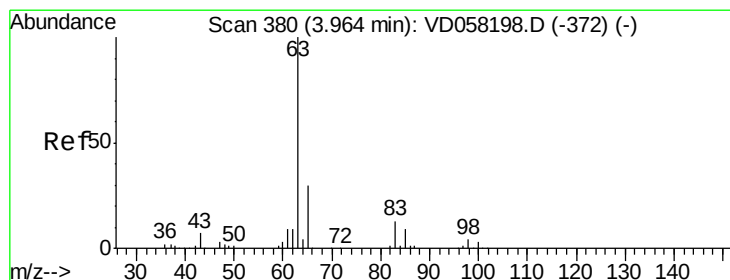
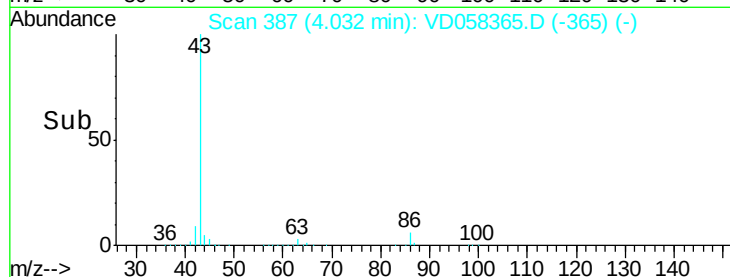
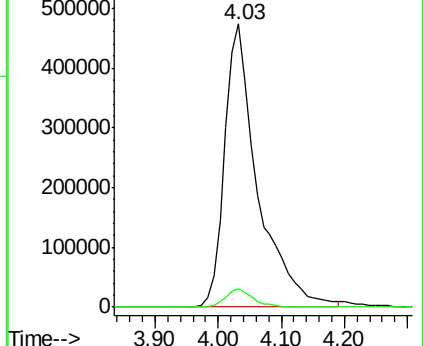
43 100

86 6.4 5.0 7.4



Abundance Ion 42.95 (42.65 to 43.65): VDC

Ion 86.00 (85.70 to 86.70): VDC



#24

1,1-Dichloroethane

Concen: 22.749 ug/l

RT: 3.98 min Scan# 382

Delta R.T. 0.02 min

Lab File: VD058365.D

Acq: 24 Jun 2018 12:08

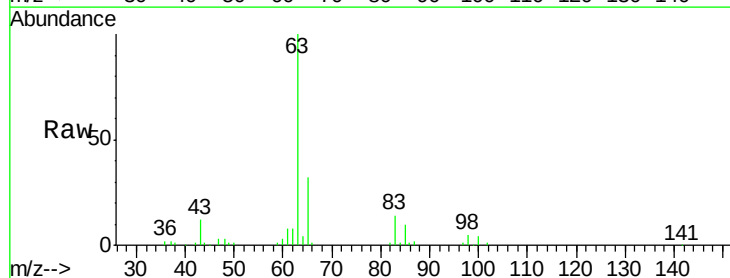
Tgt Ion: 63 Resp: 372103

Ion Ratio Lower Upper

63 100

98 4.9 1.9 5.7

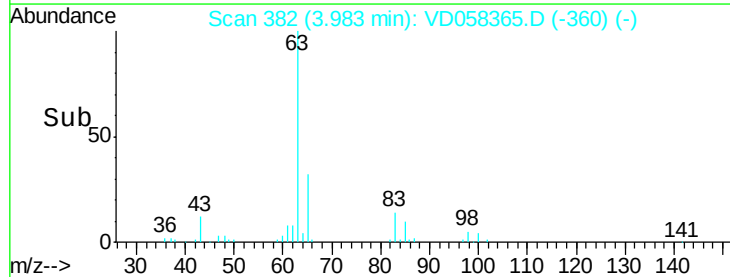
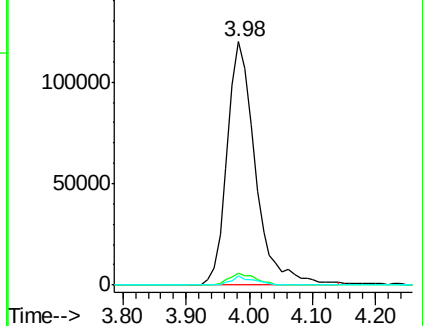
100 3.8 1.3 3.9

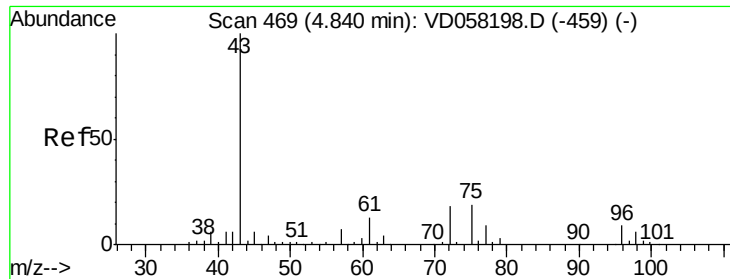


Abundance Ion 62.95 (62.65 to 63.65): VDC

Ion 97.95 (97.65 to 98.65): VDC

Ion 99.95 (99.65 to 100.65): VDC





#25

2-Butanone

Concen: 102.704 ug/l

RT: 4.85 min Scan# 470

Delta R.T. 0.01 min

Lab File: VD058365.D

Acq: 24 Jun 2018 12:08

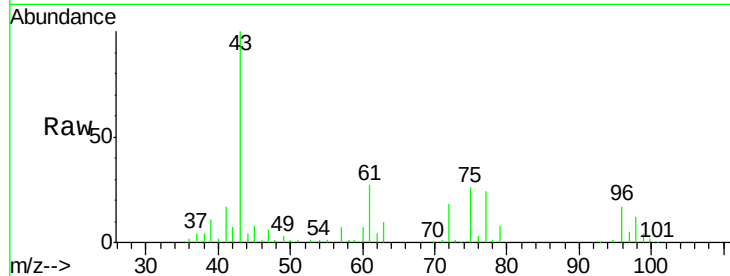
Instrument :
MSVOA_D
ClientSampleId :

Tot Ion: 43 Resp: 295610

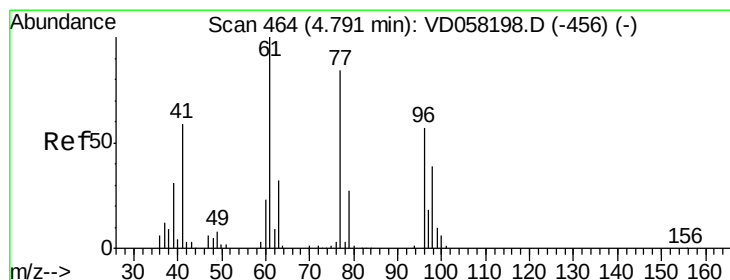
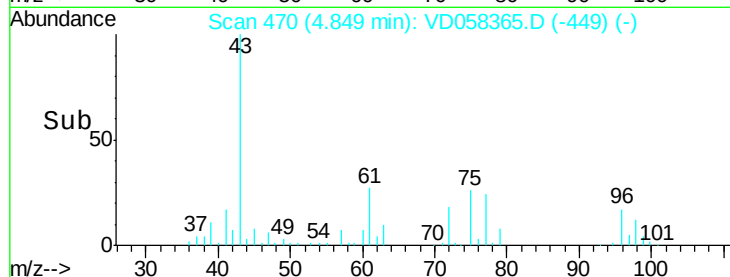
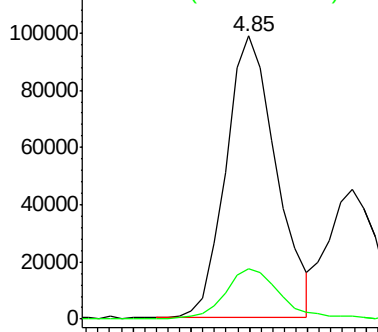
Ion Ratio Lower Upper

43 100

72 17.8 14.1 21.1



Abundance Ion 42.95 (42.65 to 43.65): VDC
Ion 72.00 (71.70 to 72.70): VDC



#26

2,2-Dichloropropane

Concen: 23.399 ug/l

RT: 4.81 min Scan# 466

Delta R.T. 0.02 min

Lab File: VD058365.D

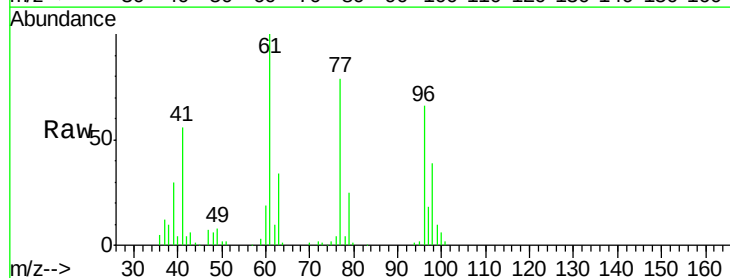
Acq: 24 Jun 2018 12:08

Tgt Ion: 77 Resp: 320470

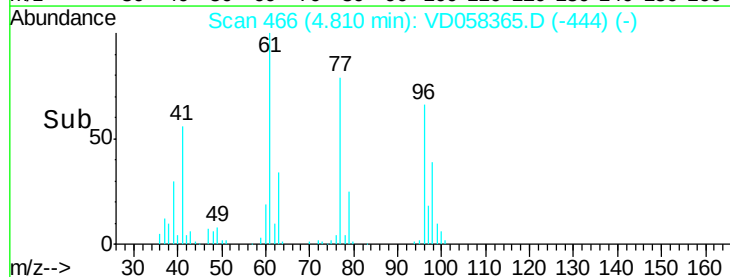
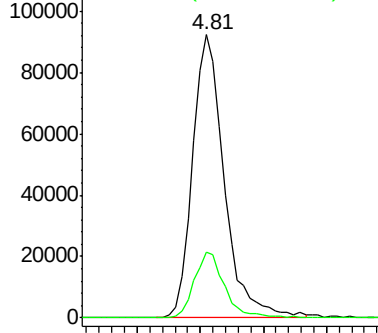
Ion Ratio Lower Upper

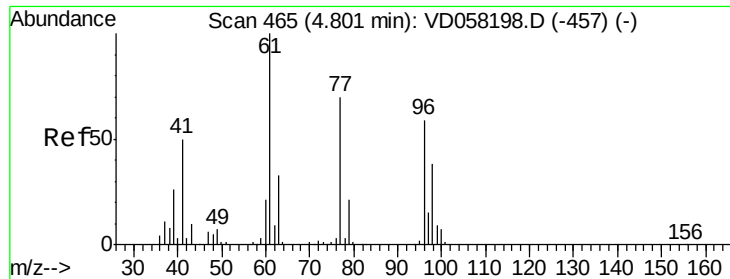
77 100

97 23.3 10.5 31.6



Abundance Ion 76.95 (76.65 to 77.65): VDC
Ion 96.85 (96.55 to 97.55): VDC



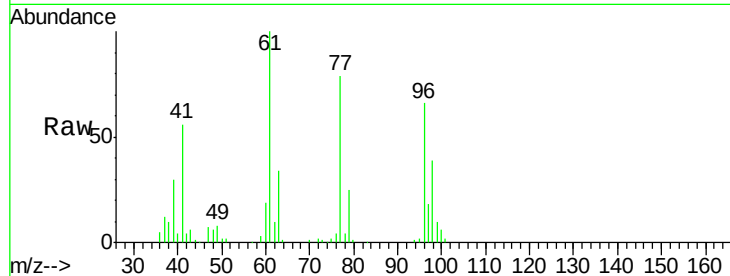


#27

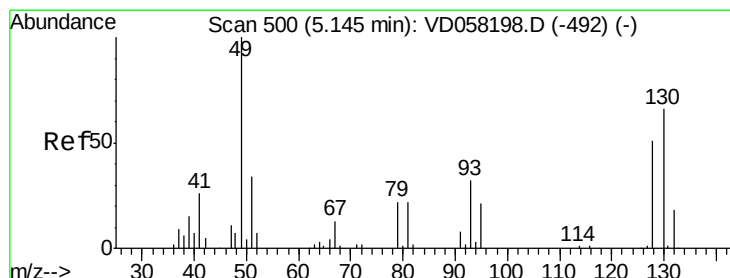
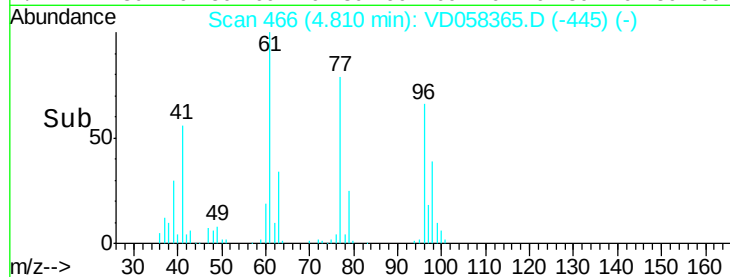
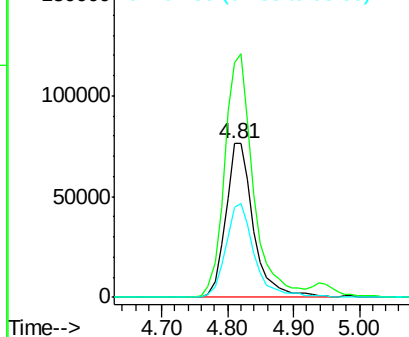
cis-1,2-Dichloroethene
Concen: 25.091 ug/l
RT: 4.81 min Scan# 466
Delta R.T. 0.01 min
Lab File: VD058365.D
Acq: 24 Jun 2018 12:08

Instrument :
MSVOA_D
ClientSampleId :

Tot Ion: 96 Resp: 225070
Ion Ratio Lower Upper
96 100
61 152.4 0.0 338.6
98 58.8 0.0 130.2



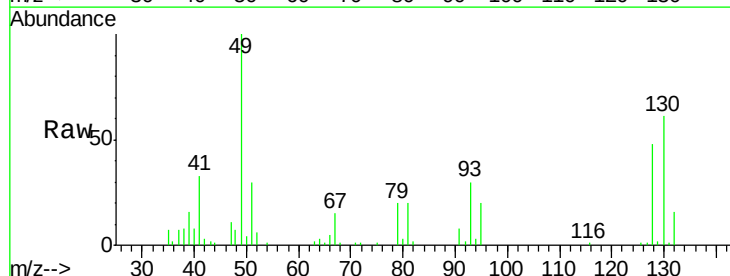
Abundance Ion 95.90 (95.60 to 96.60): VDC
Ion 60.95 (60.65 to 61.65): VDC
Ion 97.85 (97.55 to 98.55): VDC



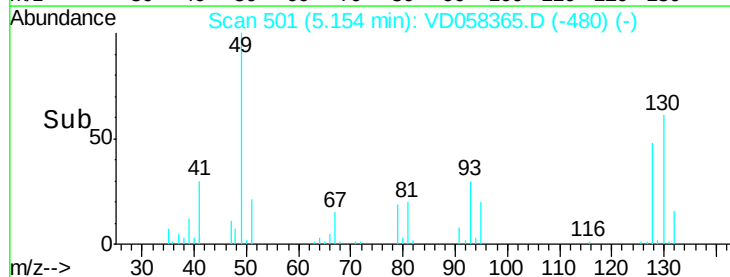
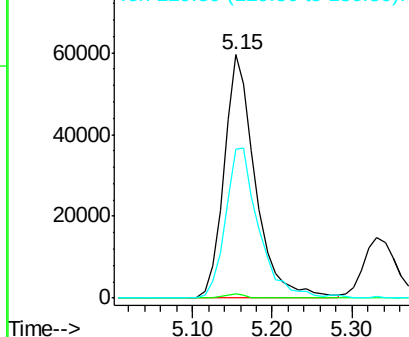
#28

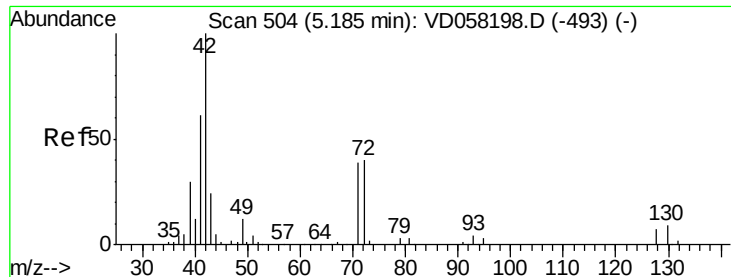
Bromochloromethane
Concen: 22.215 ug/l
RT: 5.15 min Scan# 501
Delta R.T. 0.01 min
Lab File: VD058365.D
Acq: 24 Jun 2018 12:08

Tgt Ion: 49 Resp: 162886
Ion Ratio Lower Upper
49 100
129 1.5 0.0 0.0#
130 61.0 52.6 79.0



Abundance Ion 48.90 (48.60 to 49.60): VDC
Ion 128.80 (128.50 to 129.50): VDC
Ion 129.80 (129.50 to 130.50): VDC

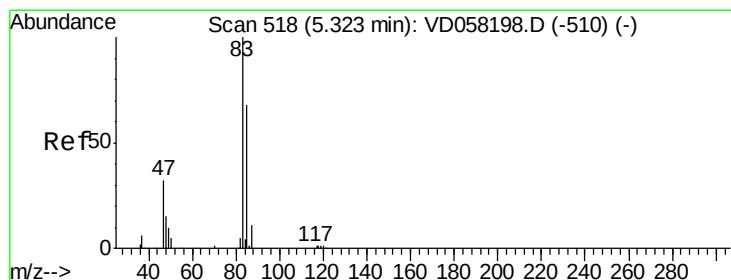
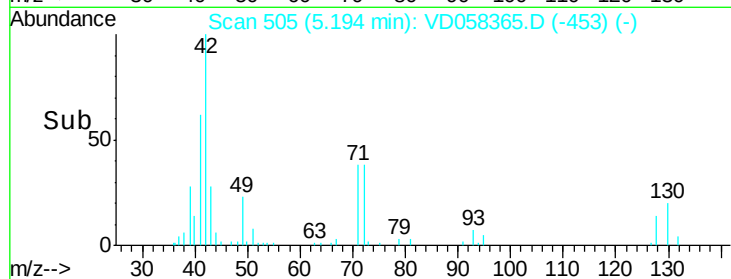
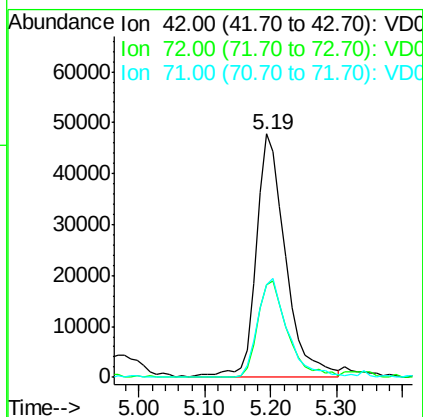
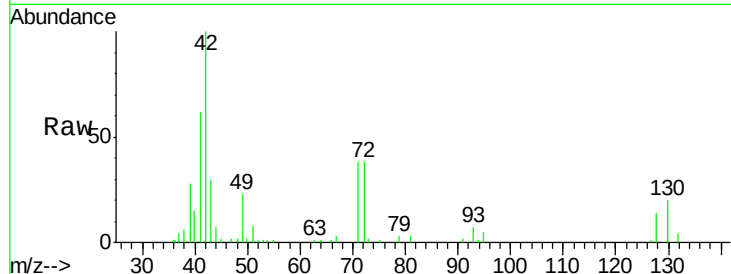




#29
Tetrahydrofuran
Concen: 97.592 ug/l
RT: 5.19 min Scan# 505
Delta R.T. 0.01 min
Lab File: VD058365.D
Acq: 24 Jun 2018 12:08

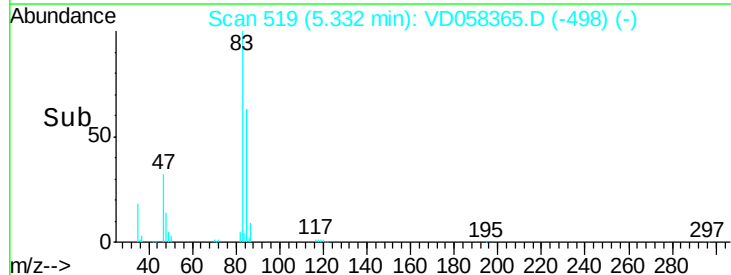
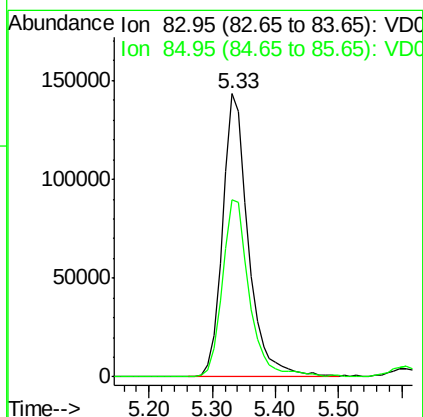
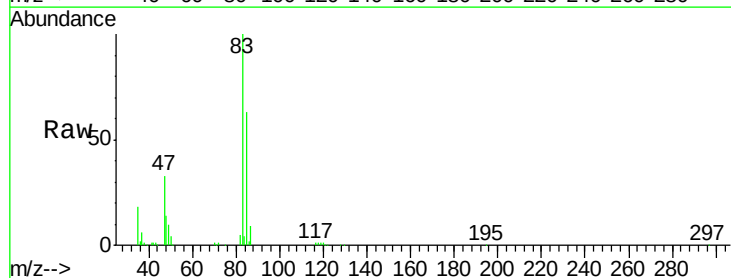
Instrument :
MSVOA_D
ClientSampleId :

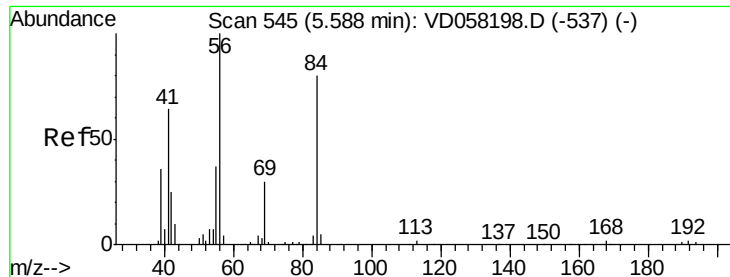
Tot Ion: 42 Resp: 149515
Ion Ratio Lower Upper
42 100
72 40.0 30.2 45.2
71 41.3 30.1 45.1



#30
Chloroform
Concen: 23.501 ug/l
RT: 5.33 min Scan# 519
Delta R.T. 0.01 min
Lab File: VD058365.D
Acq: 24 Jun 2018 12:08

Tgt Ion: 83 Resp: 405811
Ion Ratio Lower Upper
83 100
85 62.8 54.8 82.2

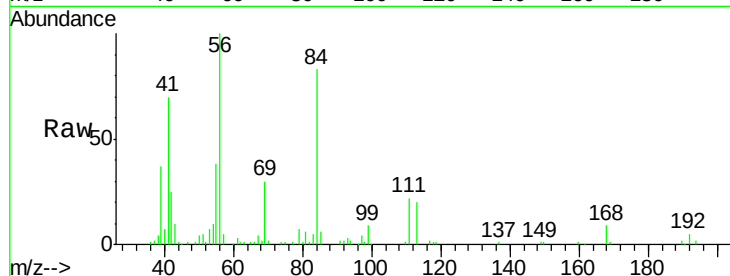




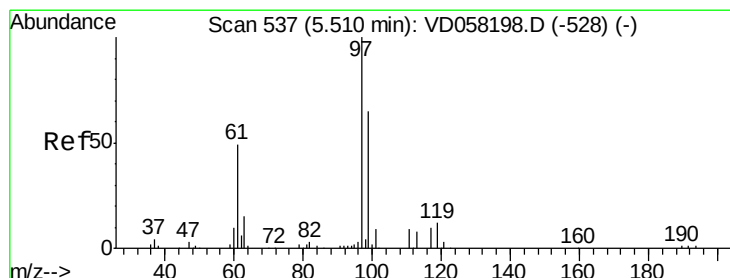
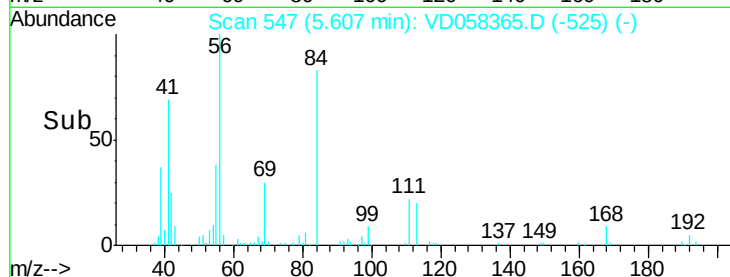
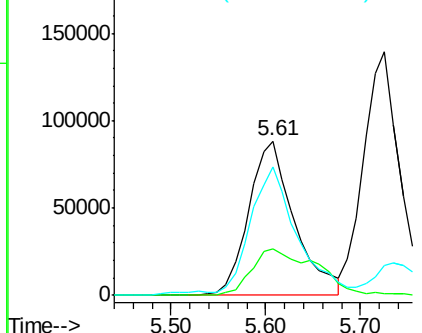
#31
Cyclohexane
Concen: 22.021 ug/l
RT: 5.61 min Scan# 547
Delta R.T. 0.02 min
Lab File: VD058365.D
Acq: 24 Jun 2018 12:08

Instrument :
MSVOA_D
ClientSampled :

Tot Ion	56	Resp	296252
Ion Ratio	Lower	Upper	
56	100		
69	30.2	23.6	35.4
84	82.9	65.2	97.8

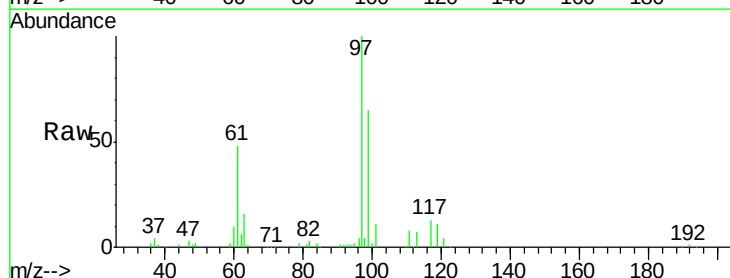


Abundance Ion 55.95 (55.65 to 56.65): VDC
Ion 69.00 (68.70 to 69.70): VDC
Ion 84.05 (83.75 to 84.75): VDC

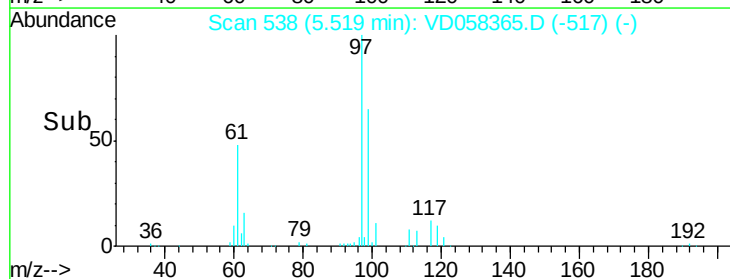
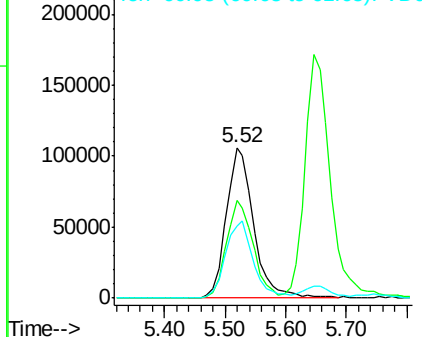


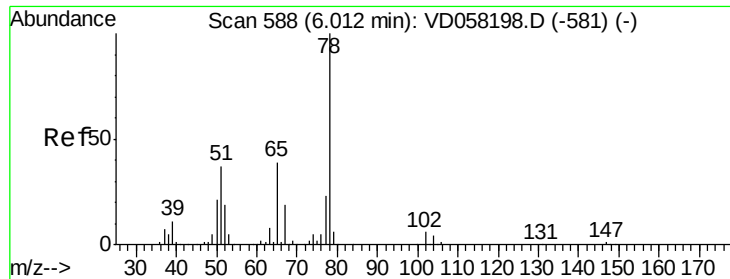
#32
1,1,1-Trichloroethane
Concen: 23.280 ug/l
RT: 5.52 min Scan# 538
Delta R.T. 0.01 min
Lab File: VD058365.D
Acq: 24 Jun 2018 12:08

Tgt Ion	97	Resp	332152
Ion Ratio	Lower	Upper	
97	100		
99	65.2	52.2	78.4
61	48.2	39.0	58.4



Abundance Ion 96.85 (96.55 to 97.55): VDC
Ion 98.85 (98.55 to 99.55): VDC
Ion 60.95 (60.65 to 61.65): VDC





#33

1,2-Dichloroethane-d4

Concen: 23.280 ug/l

RT: 6.03 min Scan# 590

Delta R.T. 0.02 min

Lab File: VD058365.D

Acq: 24 Jun 2018 12:08

Instrument :

MSVOA_D

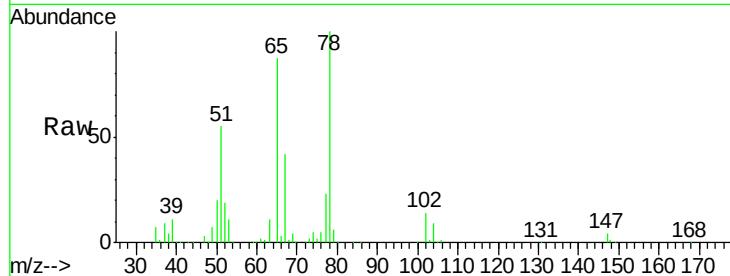
ClientSampled :

Tot Ion: 65 Resp: 504048

Ion Ratio Lower Upper

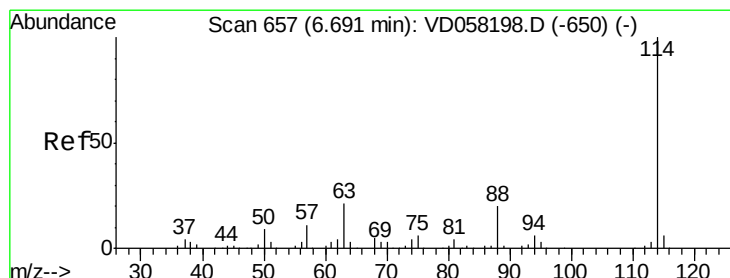
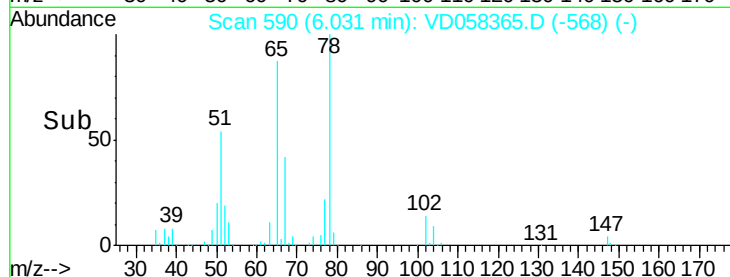
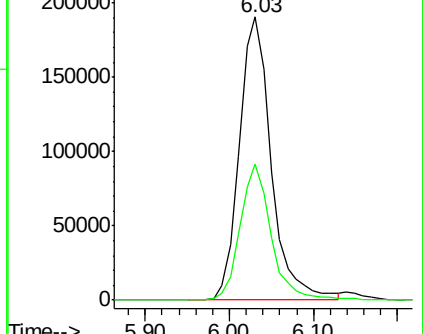
65 100

67 48.0 0.0 97.8



Abundance Ion 64.95 (64.65 to 65.65): VDC

Ion 66.90 (66.60 to 67.60): VDC



#34

1,4-Difluorobenzene

Concen: 50.000 ug/l

RT: 6.70 min Scan# 658

Delta R.T. 0.01 min

Lab File: VD058365.D

Acq: 24 Jun 2018 12:08

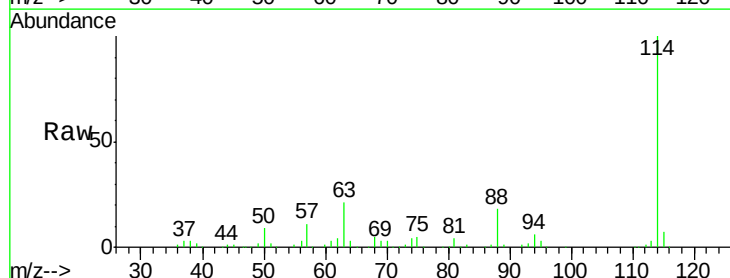
Tgt Ion: 114 Resp: 1245262

Ion Ratio Lower Upper

114 100

63 21.2 0.0 42.6

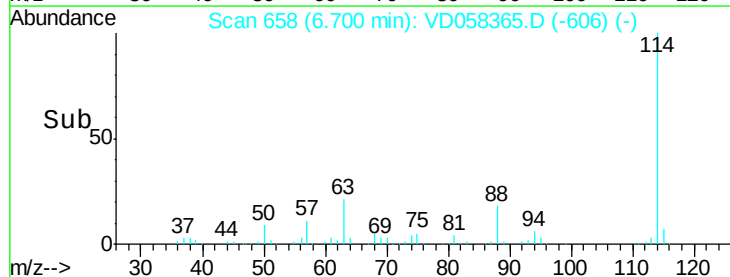
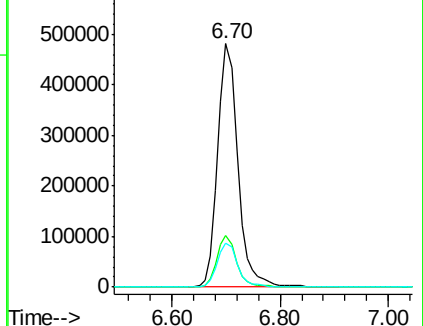
88 17.9 0.0 40.6

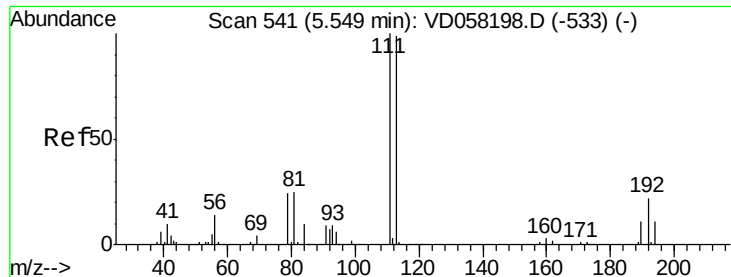


Abundance Ion 114.00 (113.70 to 114.70): V

Ion 62.95 (62.65 to 63.65): VDC

Ion 87.90 (87.60 to 88.60): VDC





#35

Dibromofluoromethane

Concen: 50.000 ug/l

RT: 5.56 min Scan# 542

Delta R.T. 0.01 min

Lab File: VD058365.D

Acq: 24 Jun 2018 12:08

Instrument :
MSVOA_D
ClientSampleId :

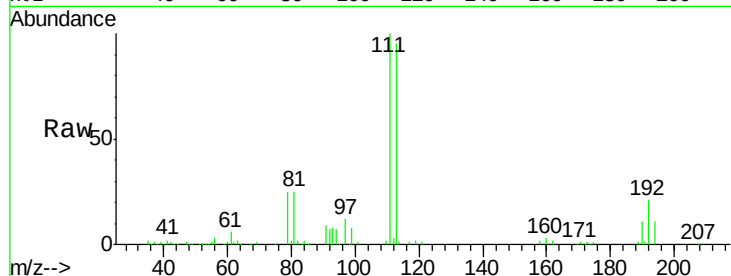
Tot Ion:113 Resp: 533330

Ion Ratio Lower Upper

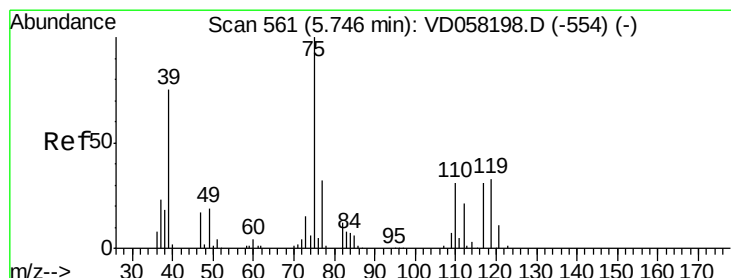
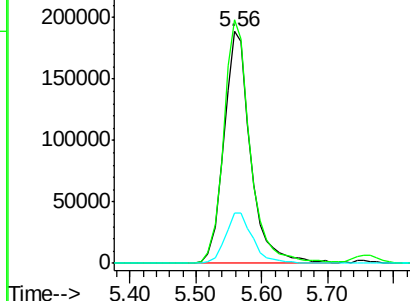
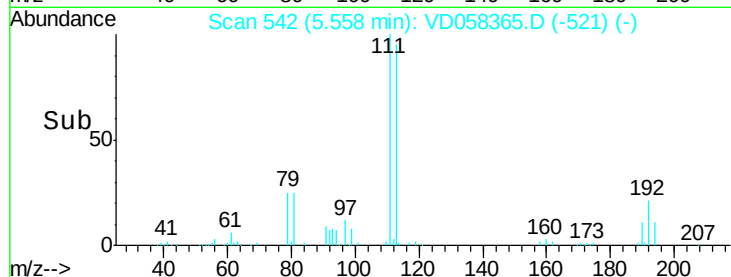
113 100

111 105.0 80.6 121.0

192 21.9 17.8 26.6



Abundance Ion 112.90 (112.60 to 113.60): V
Ion 110.90 (110.60 to 111.60): V
Ion 191.80 (191.50 to 192.50): V



#36

1,1-Dichloropropene

Concen: 23.185 ug/l

RT: 5.75 min Scan# 562

Delta R.T. 0.01 min

Lab File: VD058365.D

Acq: 24 Jun 2018 12:08

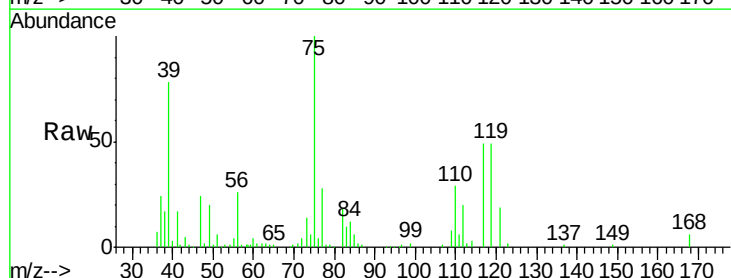
Tgt Ion: 75 Resp: 285609

Ion Ratio Lower Upper

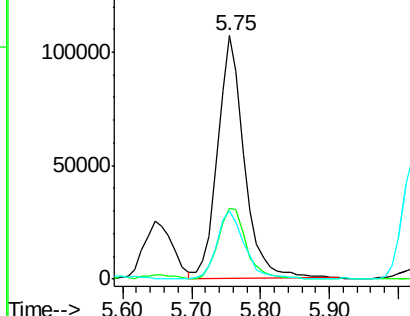
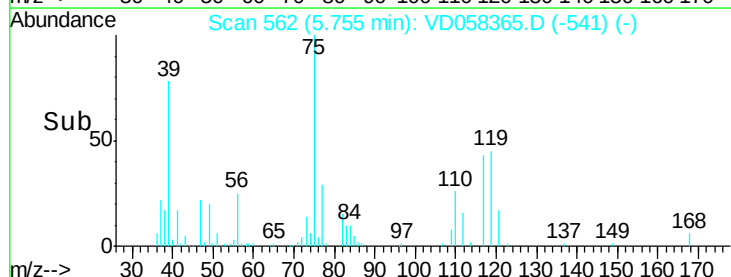
75 100

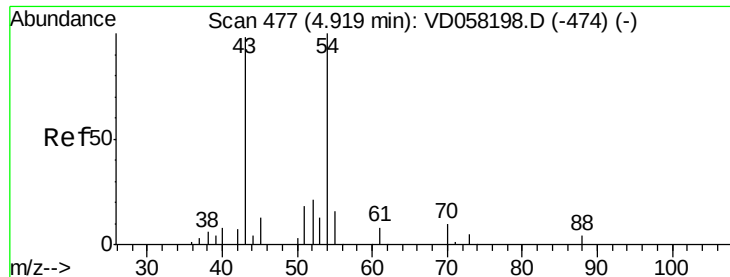
110 29.2 15.4 46.4

77 28.3 25.4 38.2



Abundance Ion 75.00 (74.70 to 75.70): VDC
Ion 109.90 (109.60 to 110.60): V
Ion 76.95 (76.65 to 77.65): VDC

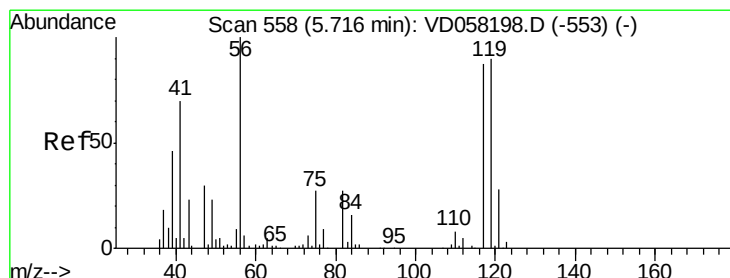
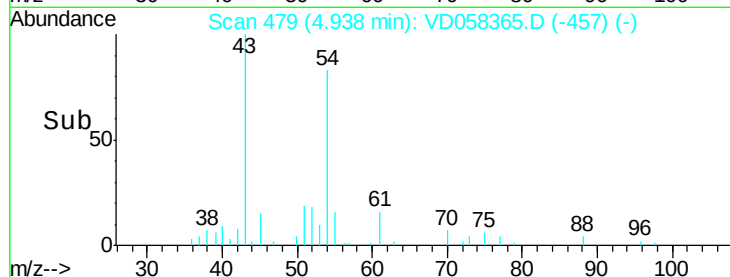
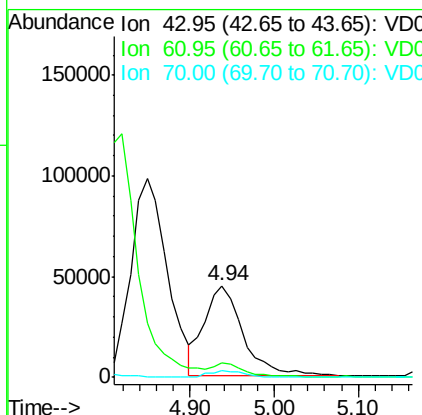
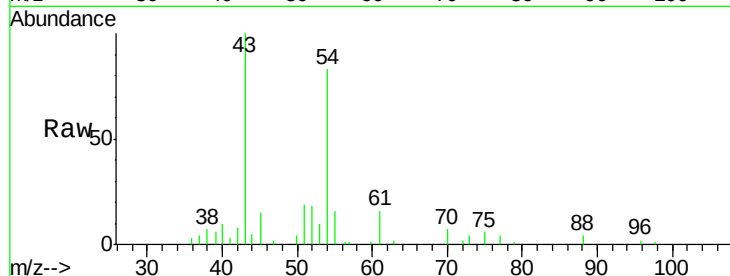




#37
Ethyl Acetate
Concen: 20.433 ug/l
RT: 4.94 min Scan# 479
Delta R.T. 0.02 min
Lab File: VD058365.D
Acq: 24 Jun 2018 12:08

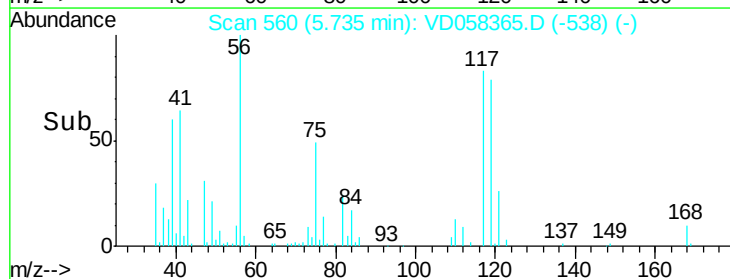
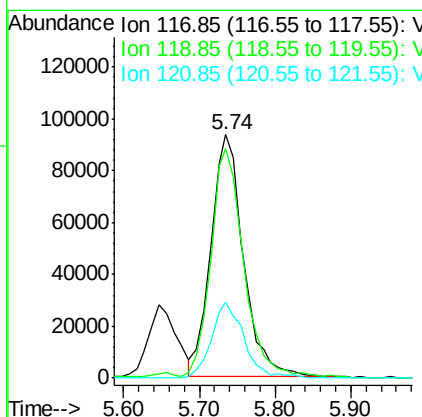
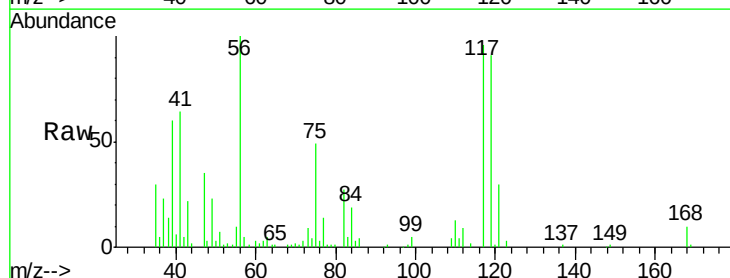
Instrument :
MSVOA_D
ClientSampled :

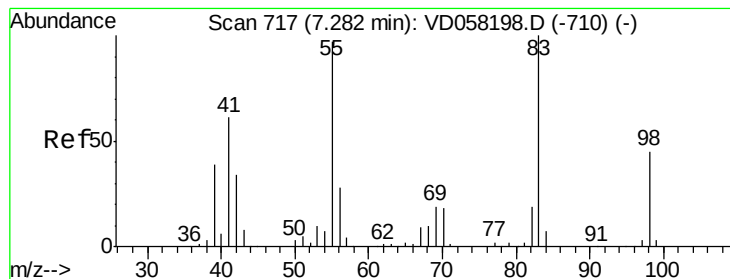
Tot Ion: 43 Resp: 143418
Ion Ratio Lower Upper
43 100
61 15.7 10.3 15.5#
70 7.4 5.7 8.5



#38
Carbon Tetrachloride
Concen: 22.680 ug/l
RT: 5.74 min Scan# 560
Delta R.T. 0.02 min
Lab File: VD058365.D
Acq: 24 Jun 2018 12:08

Tgt Ion: 117 Resp: 277602
Ion Ratio Lower Upper
117 100
119 94.5 78.8 118.2
121 31.0 25.0 37.6





#39

Methylvlcyclohexane

Concen: 22.920 ug/l

RT: 7.29 min Scan# 718

Delta R.T. 0.01 min

Lab File: VD058365.D

Acq: 24 Jun 2018 12:08

Instrument :

MSVOA_D

ClientSampleId :

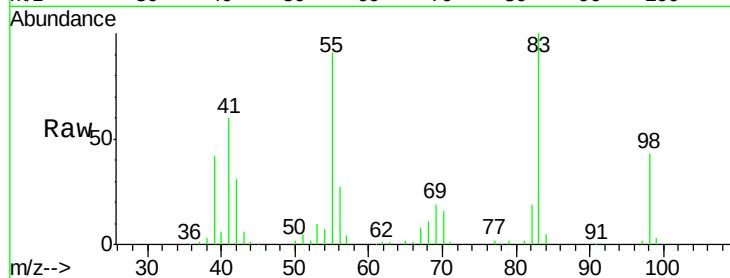
Tot Ion: 83 Resp: 275010

Ion Ratio Lower Upper

83 100

55 90.7 77.4 116.2

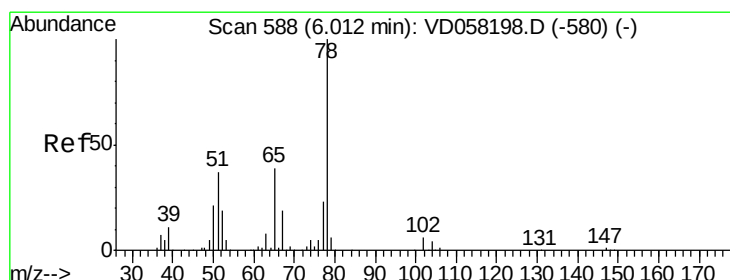
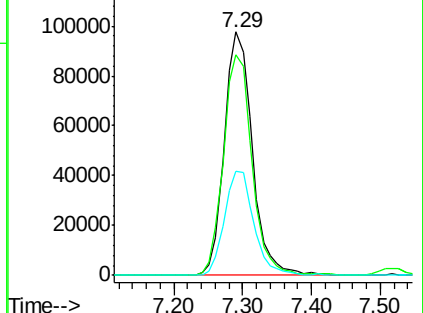
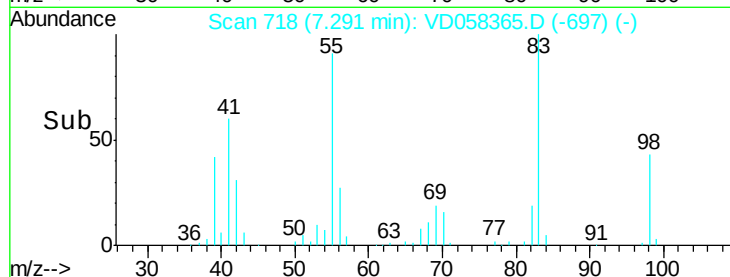
98 42.7 35.9 53.9



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: 21.771 ug/l

RT: 6.02 min Scan# 589

Delta R.T. 0.01 min

Lab File: VD058365.D

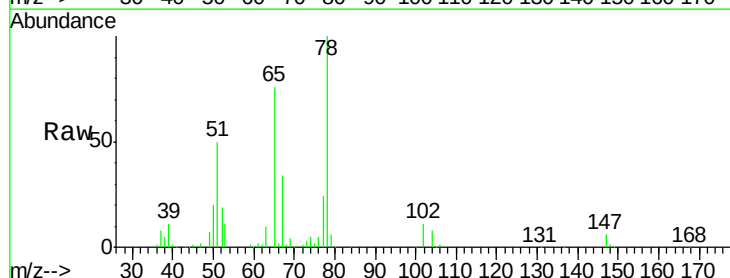
Acq: 24 Jun 2018 12:08

Tgt Ion: 78 Resp: 638855

Ion Ratio Lower Upper

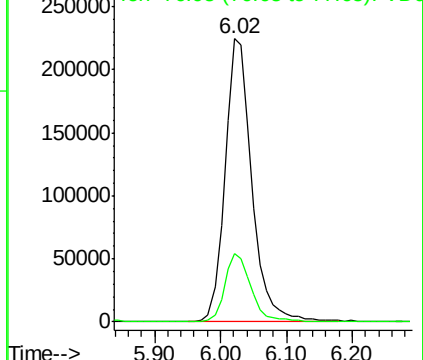
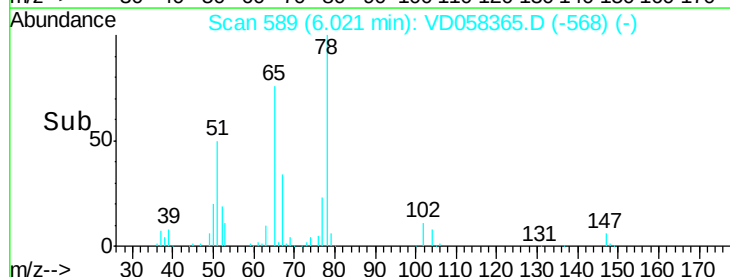
78 100

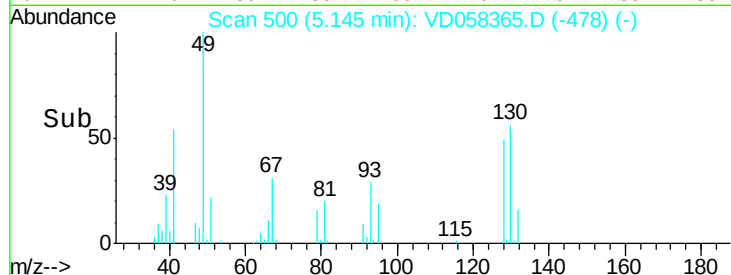
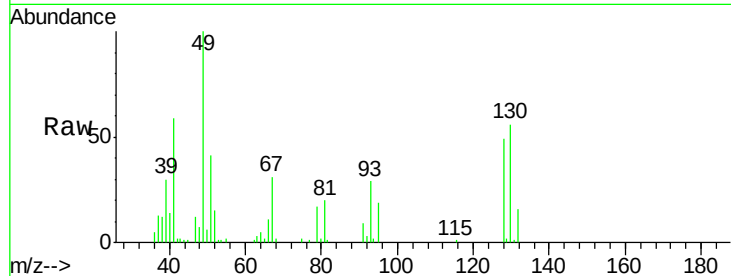
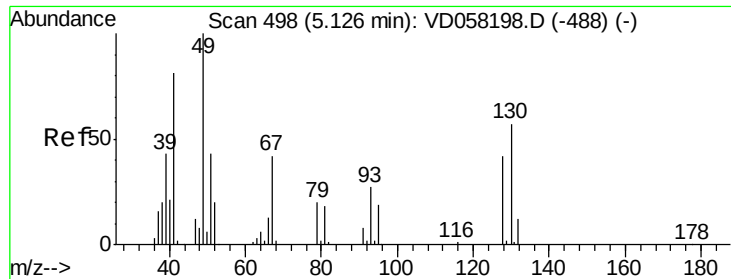
77 24.0 18.5 27.7



Abundance Ion 77.95 (77.65 to 78.65): VDC

Ion 76.95 (76.65 to 77.65): VDC





#41

Methacrylonitrile

Concen: 21.226 ug/l

RT: 5.14 min Scan# 500

Delta R.T. 0.02 min

Lab File: VD058365.D

Acq: 24 Jun 2018 12:08

Tot Ion: 41 Resp: 71940

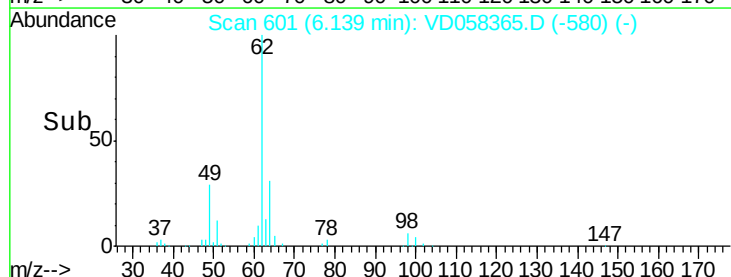
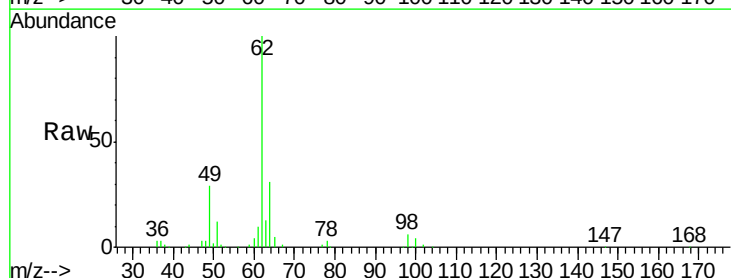
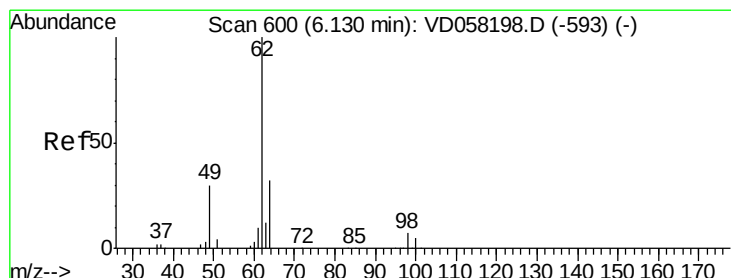
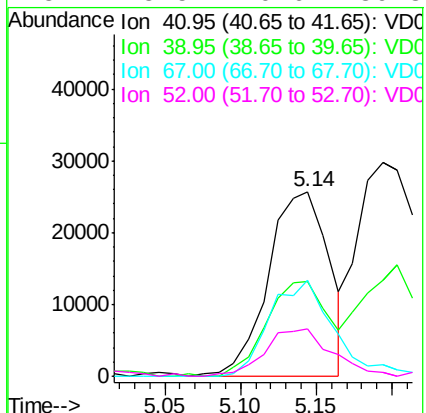
Ion Ratio Lower Upper

41 100

39 51.5 43.4 65.2

67 52.3 41.7 62.5

52 25.5 20.6 30.8



#42

1,2-Dichloroethane

Concen: 22.619 ug/l

RT: 6.14 min Scan# 601

Delta R.T. 0.01 min

Lab File: VD058365.D

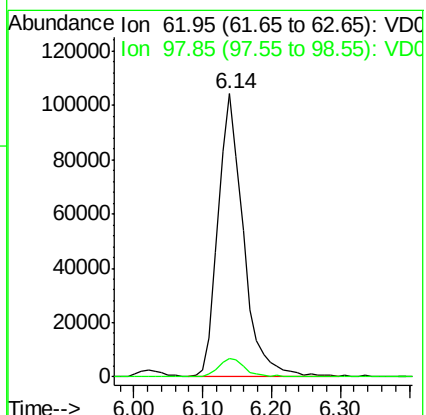
Acq: 24 Jun 2018 12:08

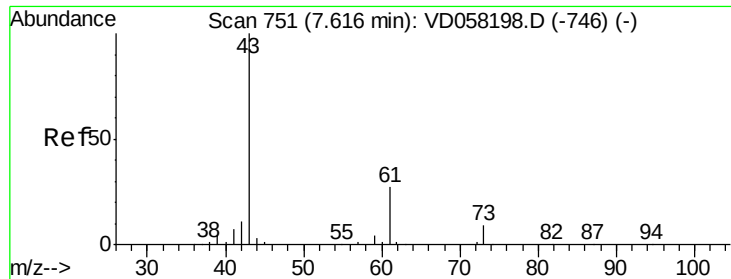
Tgt Ion: 62 Resp: 267634

Ion Ratio Lower Upper

62 100

98 6.3 0.0 13.2





#43

Isopropyl Acetate

Concen: 19.878 ug/l

RT: 7.63 min Scan# 752

Delta R.T. 0.01 min

Lab File: VD058365.D

Acq: 24 Jun 2018 12:08

Instrument :

MSVOA_D

ClientSampleId :

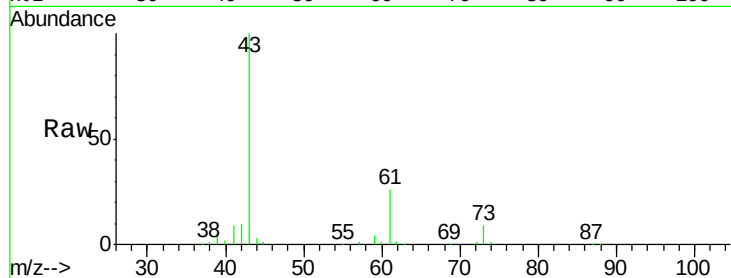
Tot Ion: 43 Resp: 186011

Ion Ratio Lower Upper

43 100

61 25.7 21.8 32.6

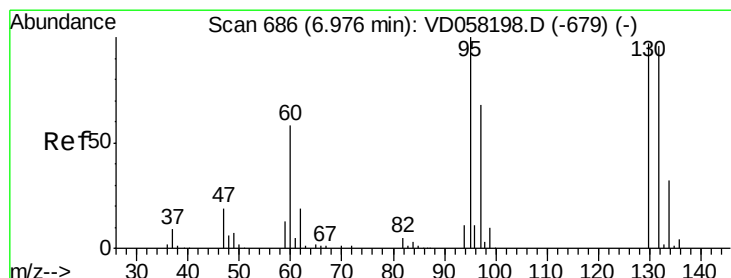
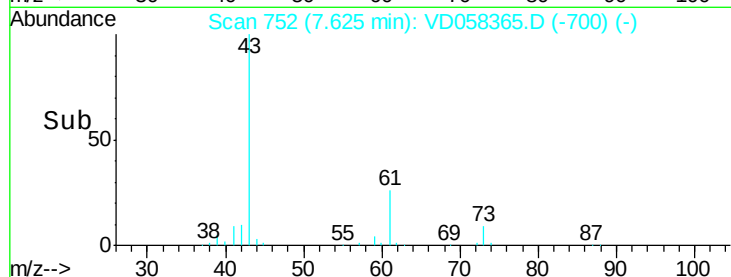
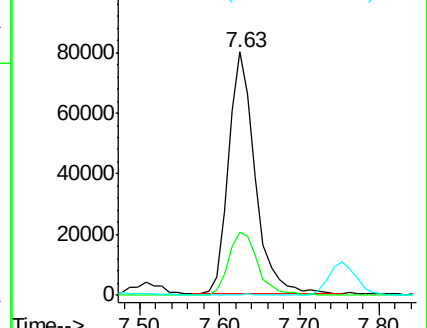
87 0.4 0.3 0.5



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: 26.076 ug/l

RT: 7.00 min Scan# 688

Delta R.T. 0.02 min

Lab File: VD058365.D

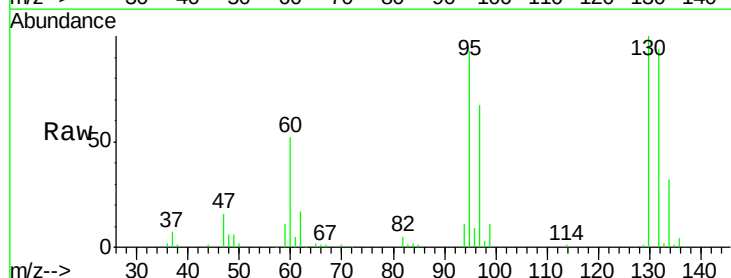
Acq: 24 Jun 2018 12:08

Tgt Ion:130 Resp: 229770

Ion Ratio Lower Upper

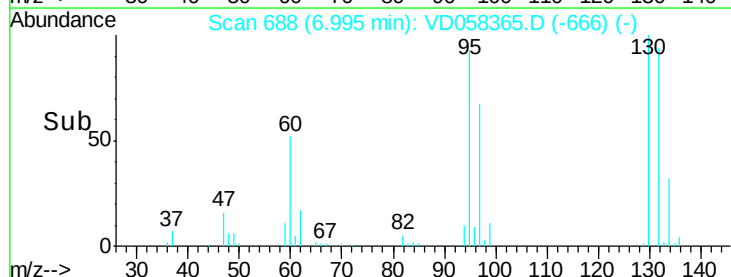
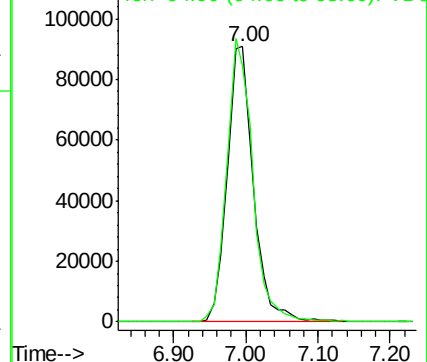
130 100

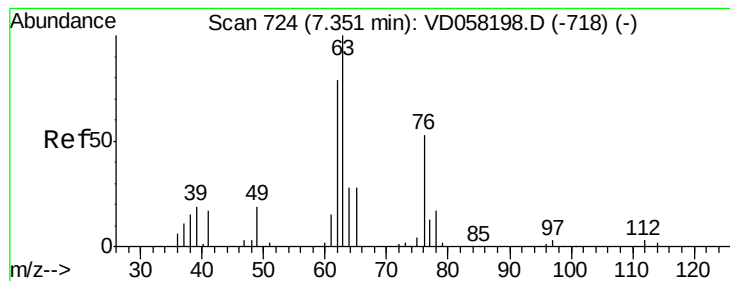
95 93.3 0.0 205.6



Abundance Ion 129.80 (129.50 to 130.50): V

Ion 94.90 (94.60 to 95.60): VDC





#45

1,2-Dichloropropane

Concen: 22.121 ug/l

RT: 7.36 min Scan# 725

Delta R.T. 0.01 min

Lab File: VD058365.D

Acq: 24 Jun 2018 12:08

Instrument :

MSVOA_D

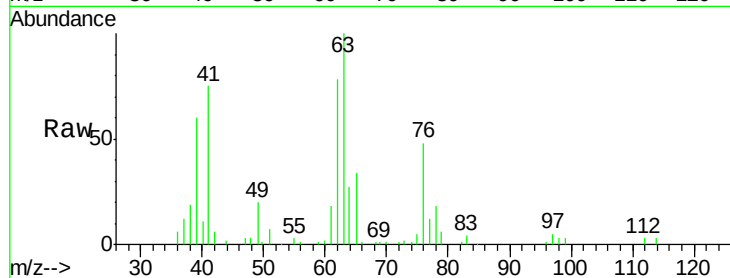
ClientSampleId :

Tot Ion: 63 Resp: 174820

Ion Ratio Lower Upper

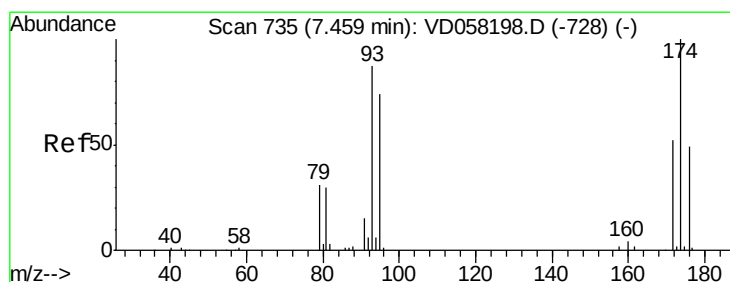
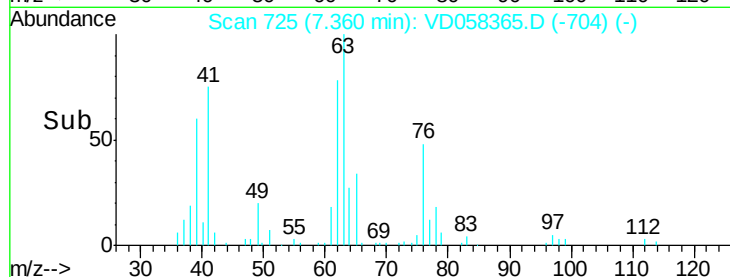
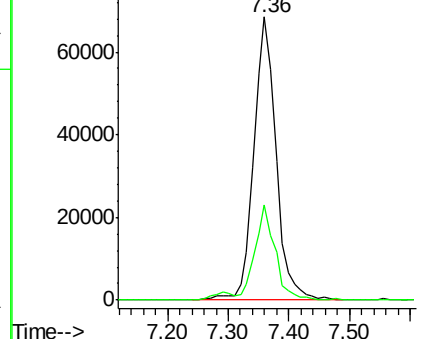
63 100

65 33.8 24.0 36.0



Abundance Ion 62.95 (62.65 to 63.65): VDC

Ion 64.95 (64.65 to 65.65): VDC



#46

Dibromomethane

Concen: 22.324 ug/l

RT: 7.47 min Scan# 736

Delta R.T. 0.01 min

Lab File: VD058365.D

Acq: 24 Jun 2018 12:08

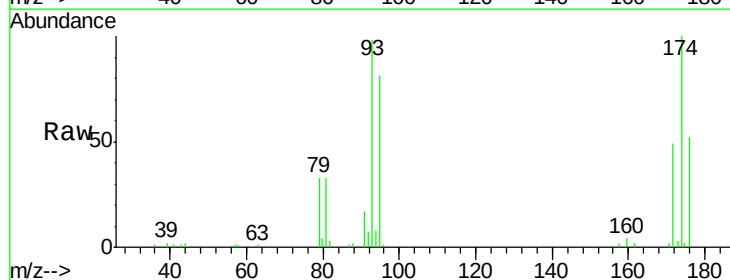
Tgt Ion: 93 Resp: 120437

Ion Ratio Lower Upper

93 100

95 82.2 67.8 101.6

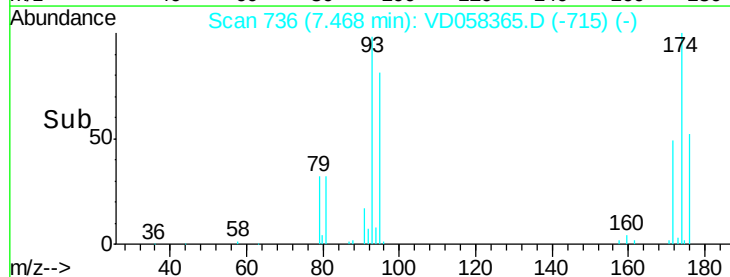
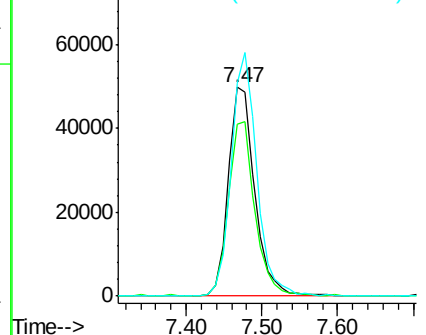
174 101.9 92.2 138.2

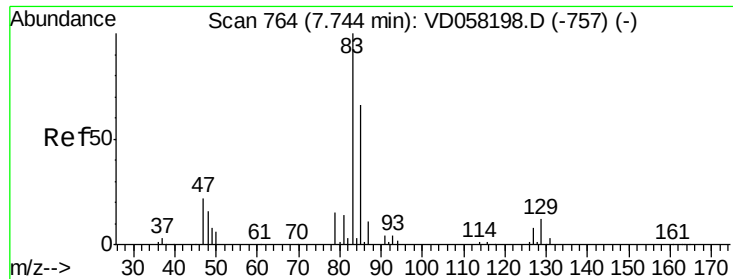


Abundance Ion 92.90 (92.60 to 93.60): VDC

Ion 94.90 (94.60 to 95.60): VDC

Ion 173.80 (173.50 to 174.50): VDC





#47

Bromodichloromethane

Concen: 22.081 ug/l

RT: 7.75 min Scan# 765

Delta R.T. 0.01 min

Lab File: VD058365.D

Acq: 24 Jun 2018 12:08

Instrument :

MSVOA_D

ClientSampled :

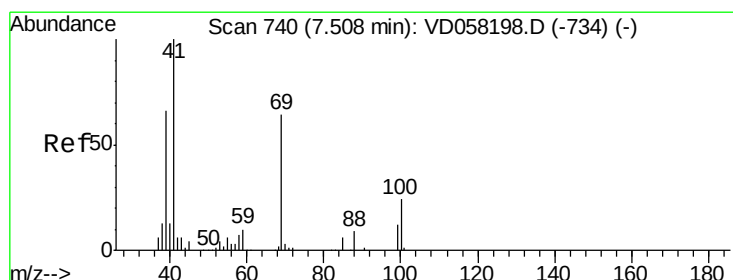
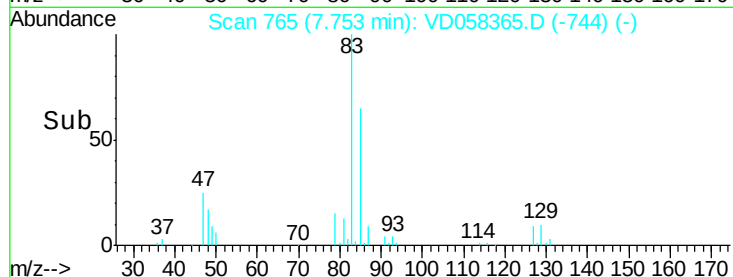
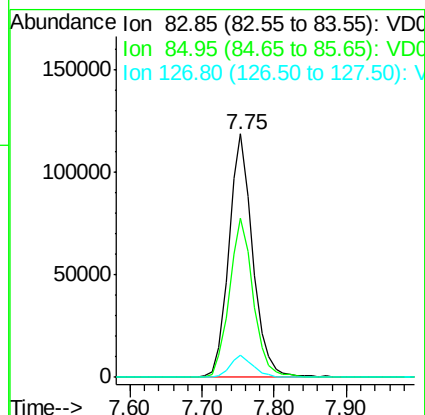
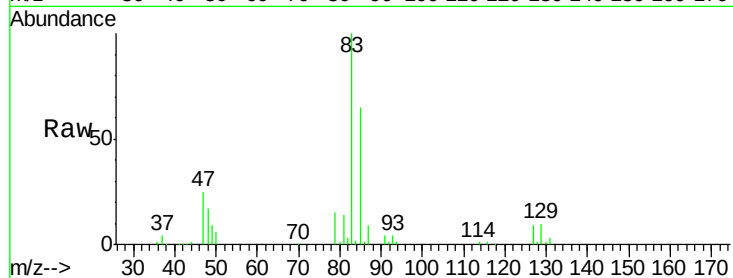
Tot Ion: 83 Resp: 271653

Ion Ratio Lower Upper

83 100

85 65.3 52.6 78.8

127 8.9 6.2 9.4



#48

Methyl methacrylate

Concen: 20.257 ug/l

RT: 7.52 min Scan# 741

Delta R.T. 0.01 min

Lab File: VD058365.D

Acq: 24 Jun 2018 12:08

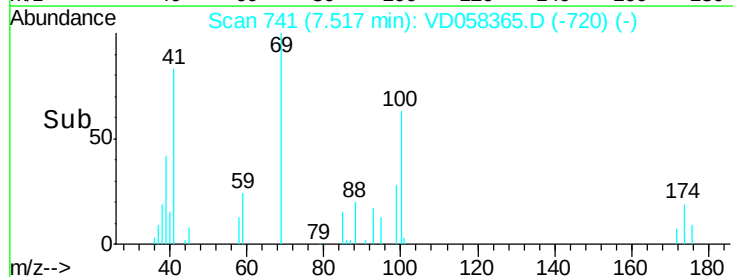
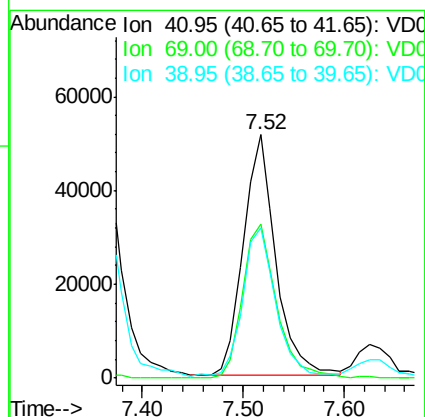
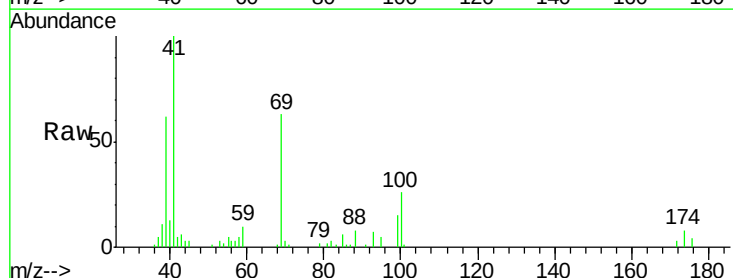
Tgt Ion: 41 Resp: 115205

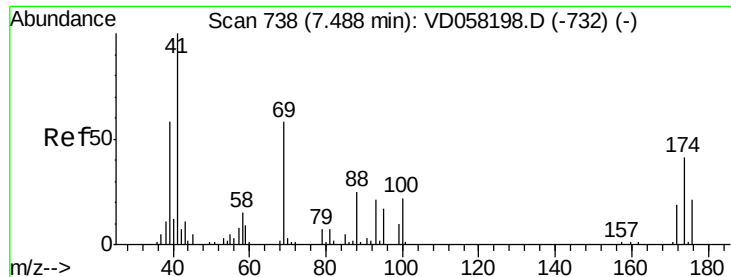
Ion Ratio Lower Upper

41 100

69 63.3 50.7 76.1

39 61.8 52.6 78.8

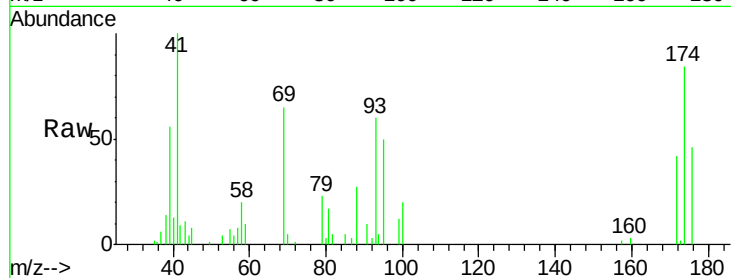




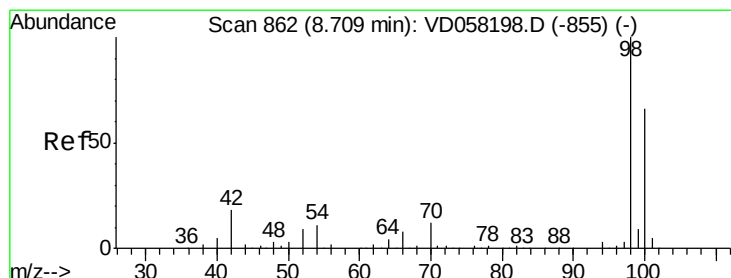
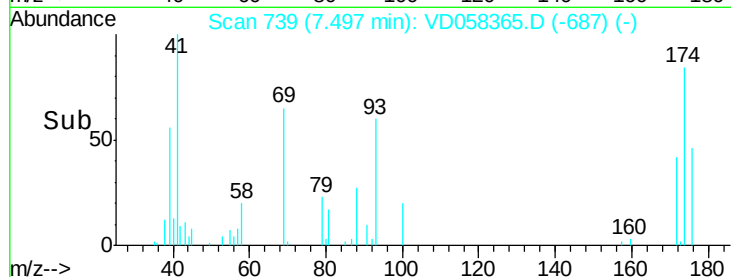
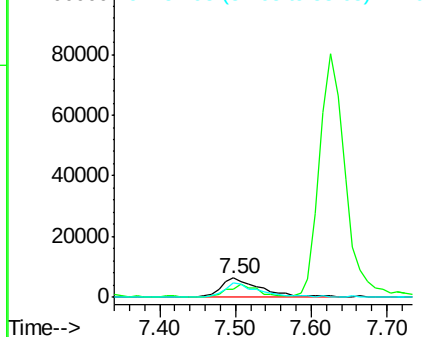
#49
1,4-Dioxane
Concen: 456.936 ug/l
RT: 7.50 min Scan# 739
Delta R.T. 0.01 min
Lab File: VD058365.D
Acq: 24 Jun 2018 12:08

Instrument :
MSVOA_D
ClientSampled :

Tot Ion: 88 Resp: 23458
Ion Ratio Lower Upper
88 100
43 40.8 34.2 51.2
58 74.9 47.9 71.9#

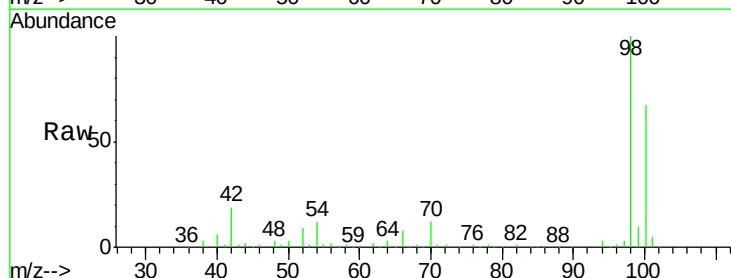


Abundance Ion 88.00 (87.70 to 88.70): VDC
Ion 43.05 (42.75 to 43.75): VDC
Ion 57.95 (57.65 to 58.65): VDC

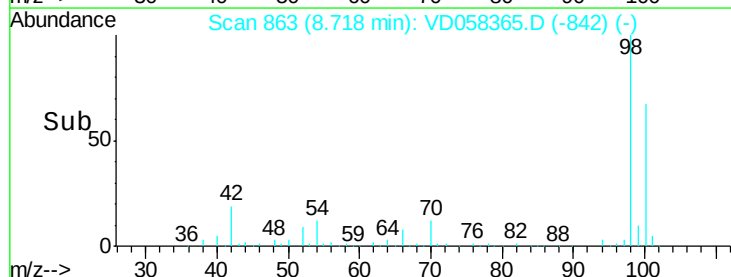
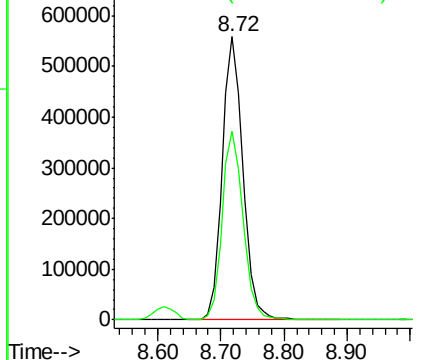


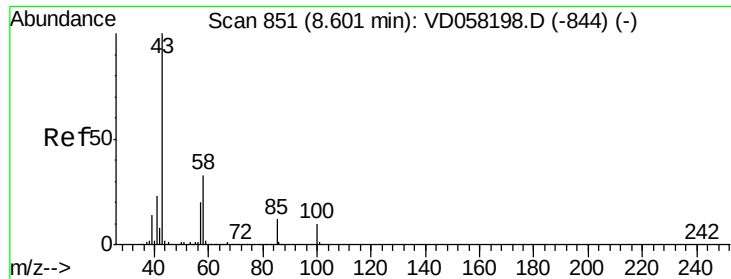
#50
Toluene-d8
Concen: 456.936 ug/l
RT: 8.72 min Scan# 863
Delta R.T. 0.01 min
Lab File: VD058365.D
Acq: 24 Jun 2018 12:08

Tgt Ion: 98 Resp: 1278343
Ion Ratio Lower Upper
98 100
100 66.7 53.6 80.4



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: 105.329 ug/l

RT: 8.61 min Scan# 852

Delta R.T. 0.01 min

Lab File: VD058365.D

Acq: 24 Jun 2018 12:08

Instrument :

MSVOA_D

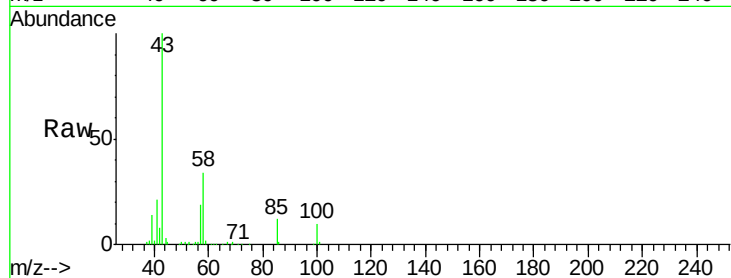
ClientSampleId :

Tot Ion: 43 Resp: 642894

Ion Ratio Lower Upper

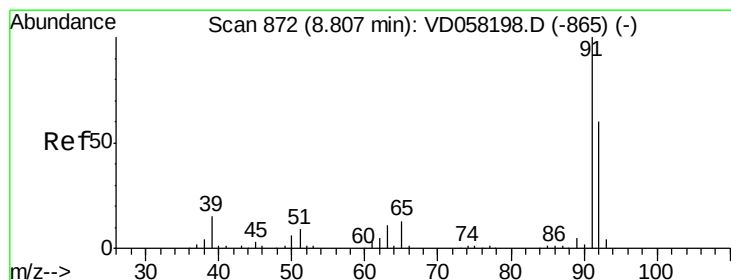
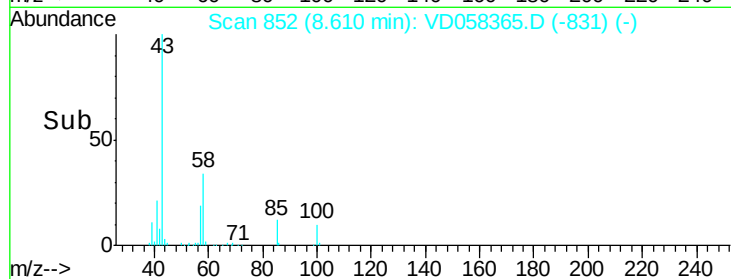
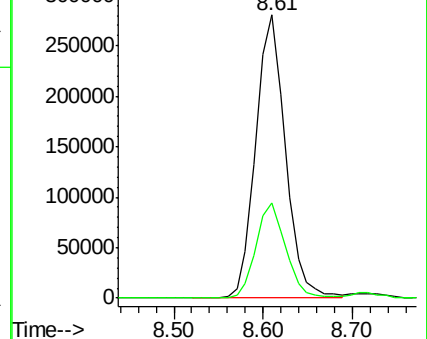
43 100

58 33.9 26.7 40.1



Abundance Ion 42.95 (42.65 to 43.65): VDC

Ion 57.95 (57.65 to 58.65): VDC



#52

Toluene

Concen: 22.386 ug/l

RT: 8.82 min Scan# 873

Delta R.T. 0.01 min

Lab File: VD058365.D

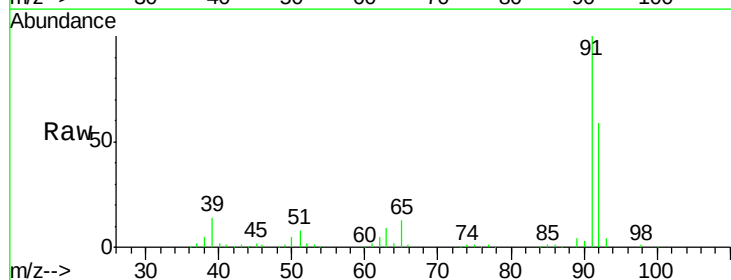
Acq: 24 Jun 2018 12:08

Tgt Ion: 92 Resp: 374052

Ion Ratio Lower Upper

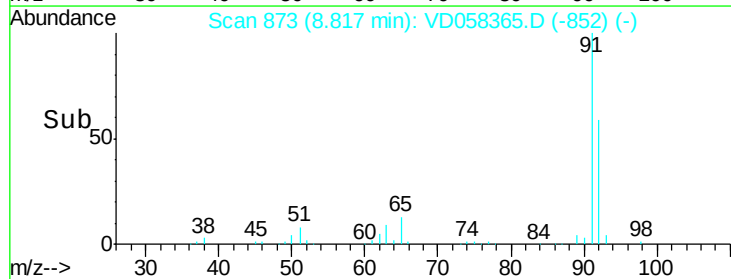
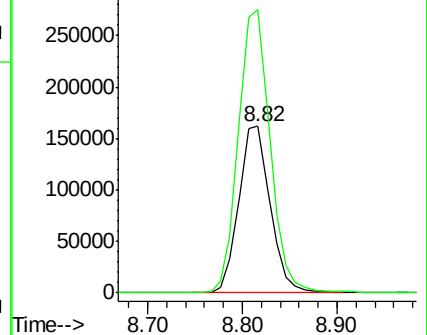
92 100

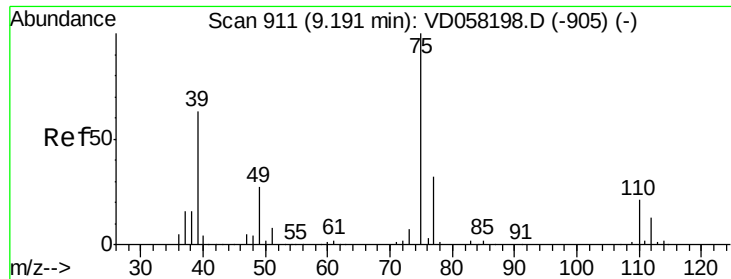
91 170.1 133.2 199.8



Abundance Ion 92.00 (91.70 to 92.70): VDC

Ion 91.00 (90.70 to 91.70): VDC

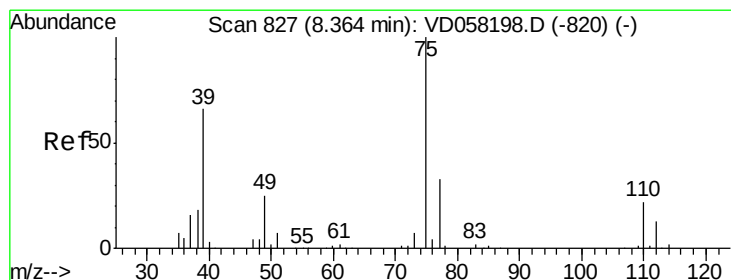
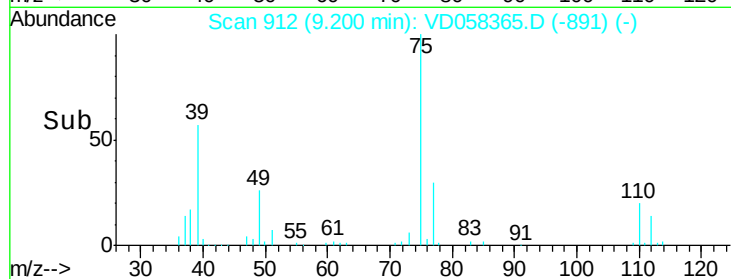
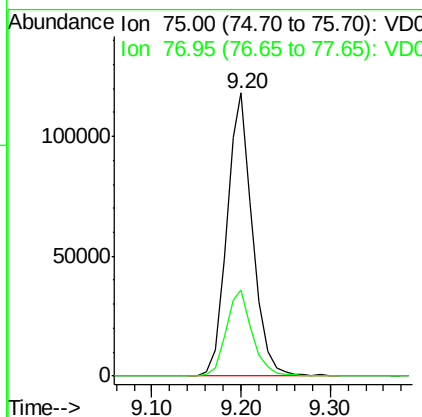
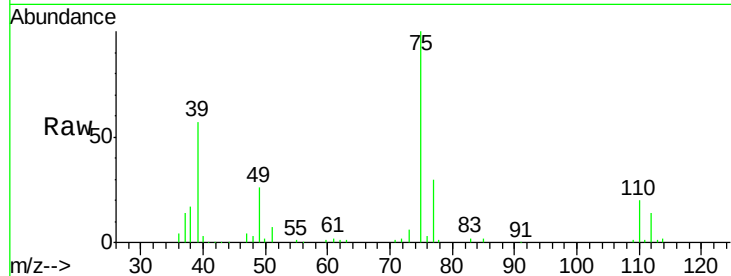




#53
t-1,3-Dichloropropene
Concen: 22.141 ug/l
RT: 9.20 min Scan# 912
Delta R.T. 0.01 min
Lab File: VD058365.D
Acq: 24 Jun 2018 12:08

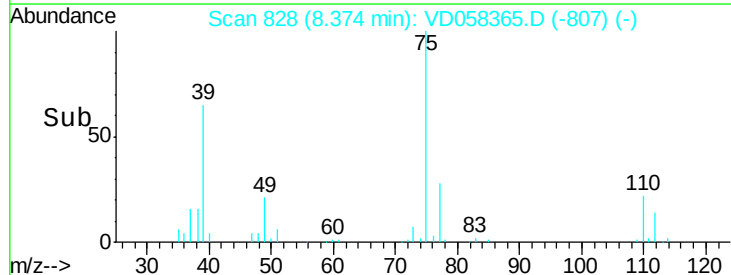
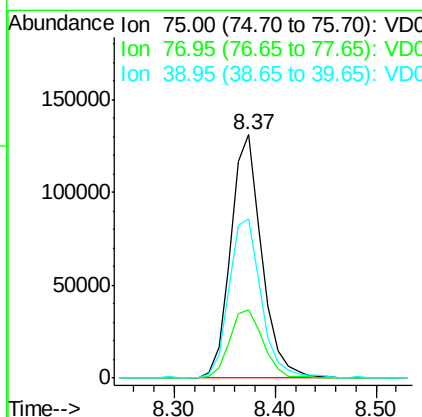
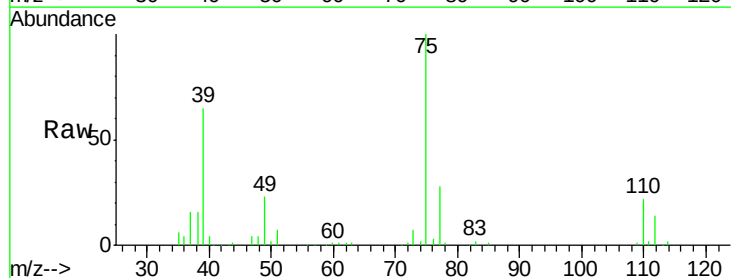
Instrument :
MSVOA_D
ClientSampleId :

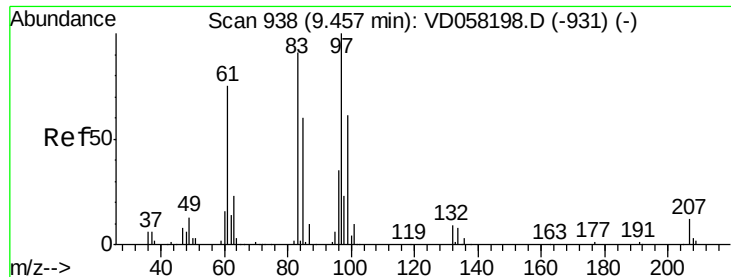
Tot Ion: 75 Resp: 236829
Ion Ratio Lower Upper
75 100
77 30.4 25.8 38.8



#54
cis-1,3-Dichloropropene
Concen: 22.292 ug/l
RT: 8.37 min Scan# 828
Delta R.T. 0.01 min
Lab File: VD058365.D
Acq: 24 Jun 2018 12:08

Tgt Ion: 75 Resp: 279538
Ion Ratio Lower Upper
75 100
77 28.3 26.5 39.7
39 65.4 52.9 79.3

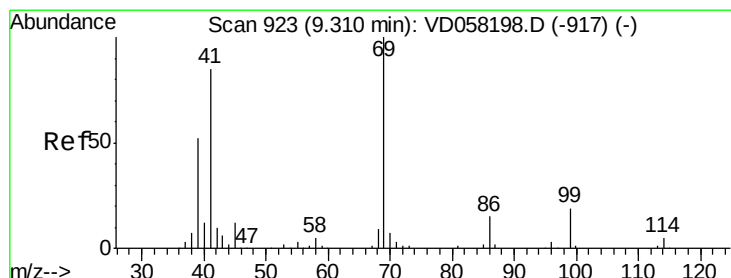
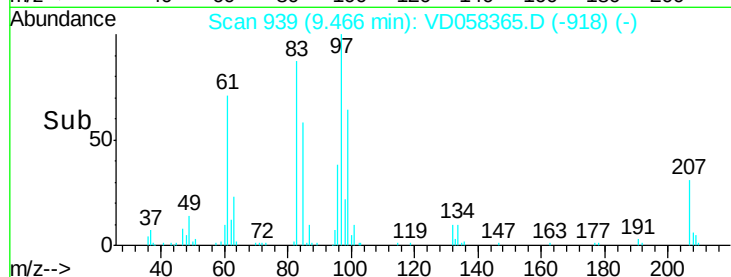
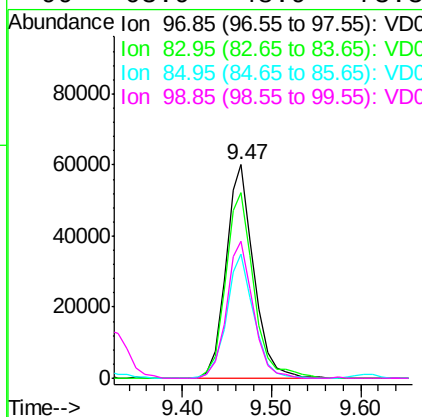
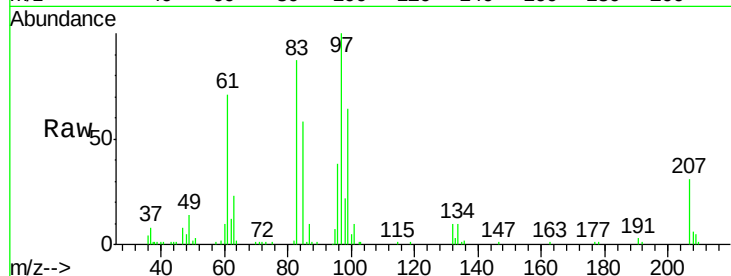




#55
 1,1,2-Trichloroethane
 Concen: 22.163 ug/l
 RT: 9.47 min Scan# 939
 Delta R.T. 0.01 min
 Lab File: VD058365.D
 Acq: 24 Jun 2018 12:08

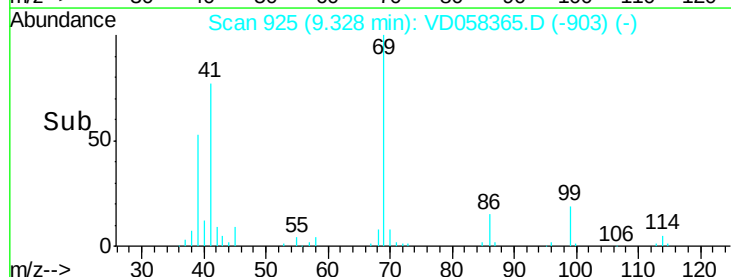
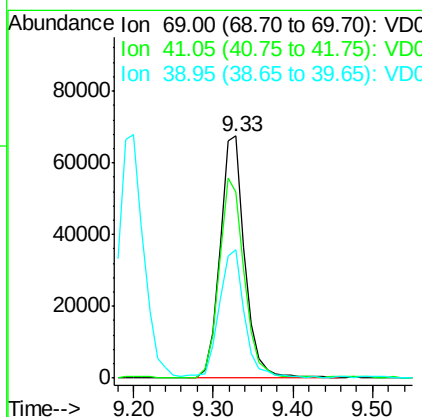
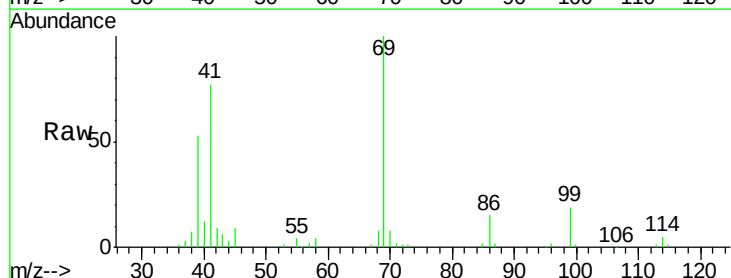
Instrument :
 MSVOA_D
 ClientSampleId :

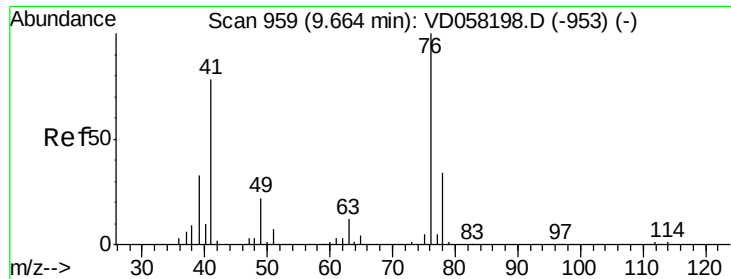
Tot Ion: 97 Resp: 131023
 Ion Ratio Lower Upper
 97 100
 83 86.6 72.9 109.3
 85 58.1 48.2 72.4
 99 63.9 48.9 73.3



#56
 Ethyl methacrylate
 Concen: 20.834 ug/l
 RT: 9.33 min Scan# 925
 Delta R.T. 0.02 min
 Lab File: VD058365.D
 Acq: 24 Jun 2018 12:08

Tgt Ion: 69 Resp: 147296
 Ion Ratio Lower Upper
 69 100
 41 76.8 67.6 101.4
 39 52.9 42.2 63.2





#57

1,3-Dichloropropane

Concen: 21.318 ug/l

RT: 9.67 min Scan# 960

Delta R.T. 0.01 min

Lab File: VD058365.D

Acq: 24 Jun 2018 12:08

Instrument :

MSVOA_D

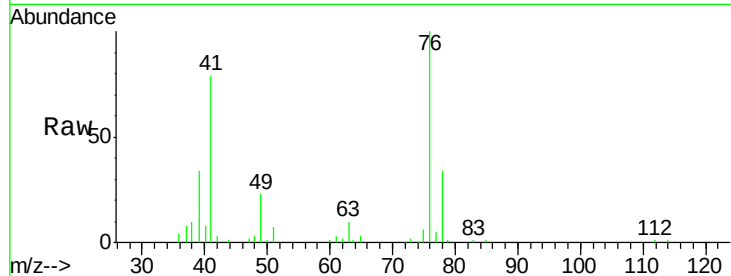
ClientSampled :

Tot Ion: 76 Resp: 212290

Ion Ratio Lower Upper

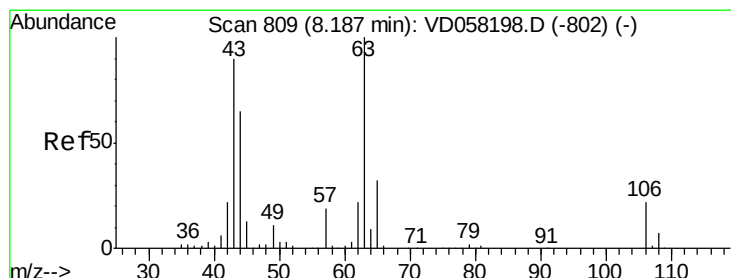
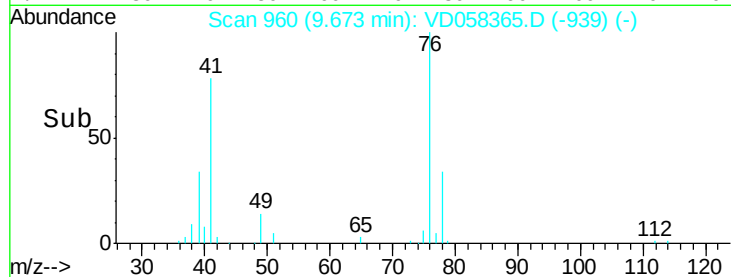
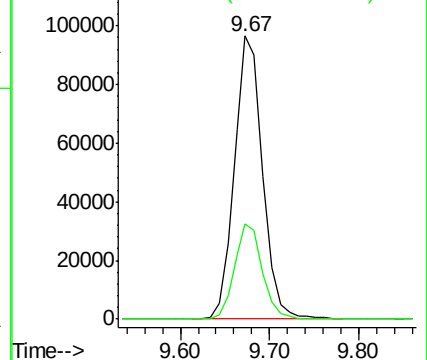
76 100

78 33.8 27.0 40.6



Abundance Ion 75.95 (75.65 to 76.65): VDC

Ion 77.95 (77.65 to 78.65): VDC



#58

2-Chloroethyl Vinyl ether

Concen: 108.778 ug/l

RT: 8.20 min Scan# 810

Delta R.T. 0.01 min

Lab File: VD058365.D

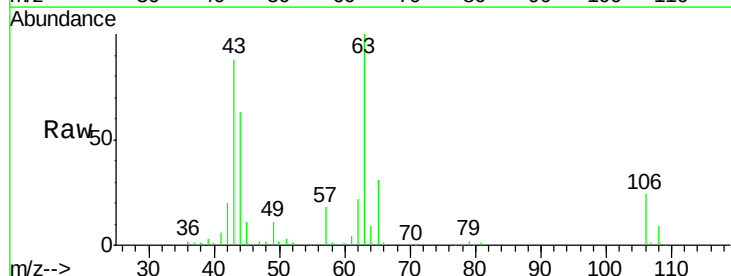
Acq: 24 Jun 2018 12:08

Tgt Ion: 63 Resp: 380731

Ion Ratio Lower Upper

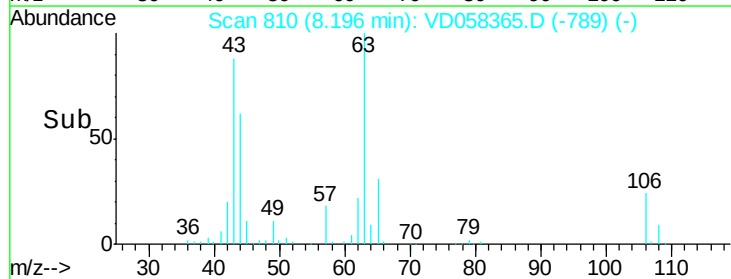
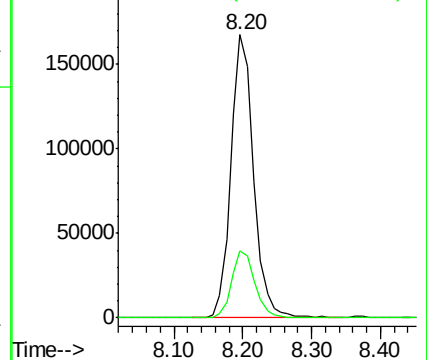
63 100

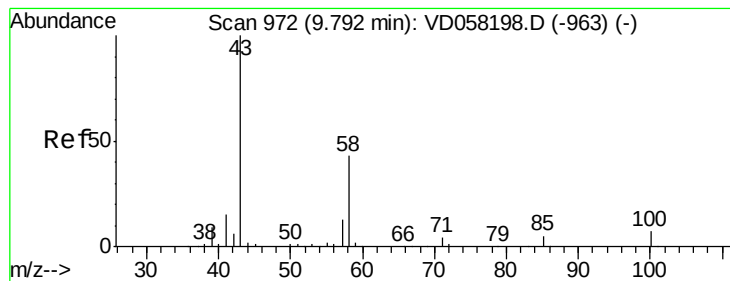
106 23.6 18.0 27.0



Abundance Ion 62.95 (62.65 to 63.65): VDC

Ion 105.95 (105.65 to 106.65): V





#59

2-Hexanone

Concen: 108.105 ug/l

RT: 9.79 min Scan# 972

Delta R.T. -0.00 min

Lab File: VD058365.D

Acq: 24 Jun 2018 12:08

Instrument :

MSVOA_D

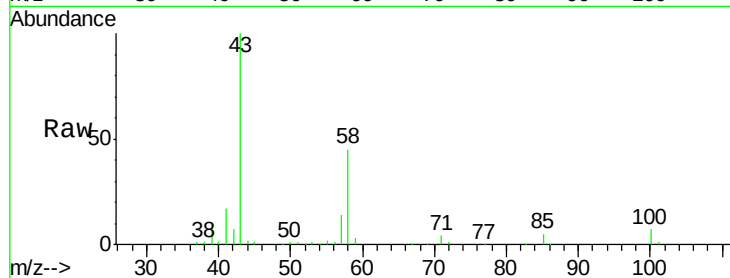
ClientSampled :

Tot Ion: 43 Resp: 476787

Ion Ratio Lower Upper

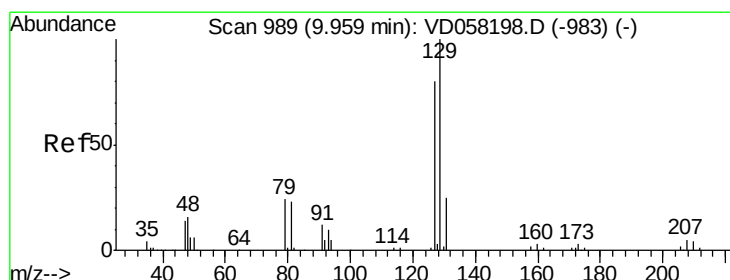
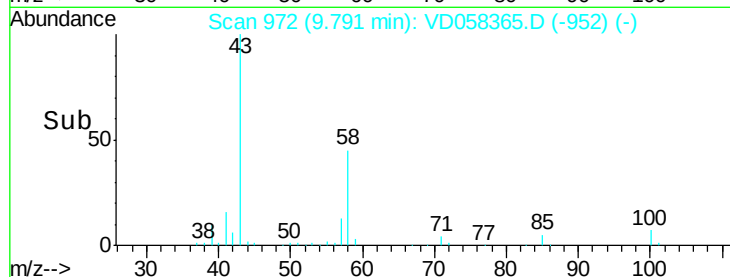
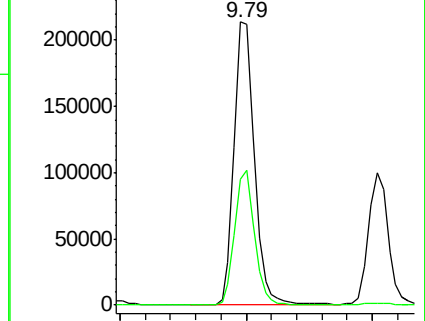
43 100

58 44.7 21.7 65.1



Abundance Ion 42.95 (42.65 to 43.65): VDC

Ion 57.95 (57.65 to 58.65): VDC



#60

Dibromochloromethane

Concen: 21.533 ug/l

RT: 9.97 min Scan# 990

Delta R.T. 0.01 min

Lab File: VD058365.D

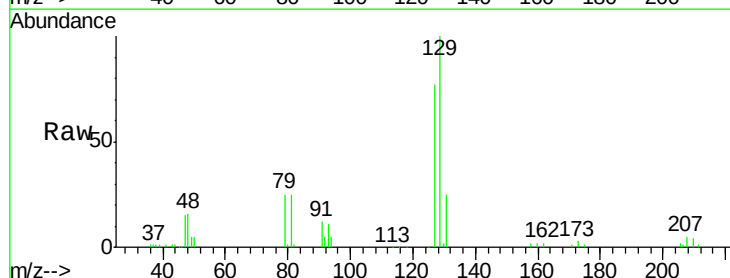
Acq: 24 Jun 2018 12:08

Tgt Ion:129 Resp: 172757

Ion Ratio Lower Upper

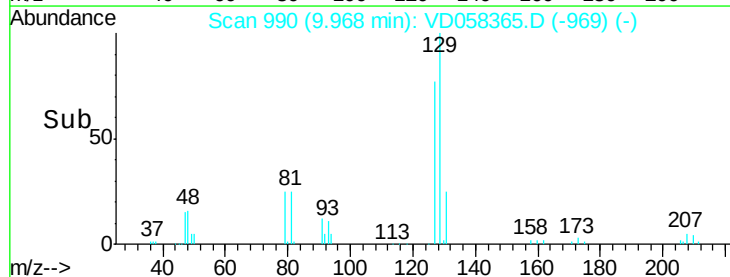
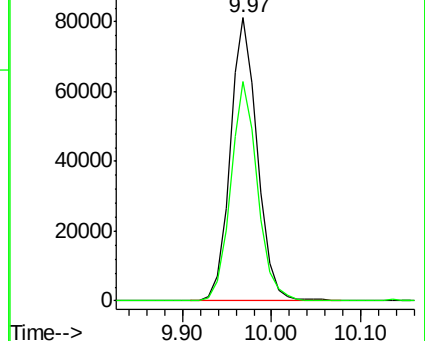
129 100

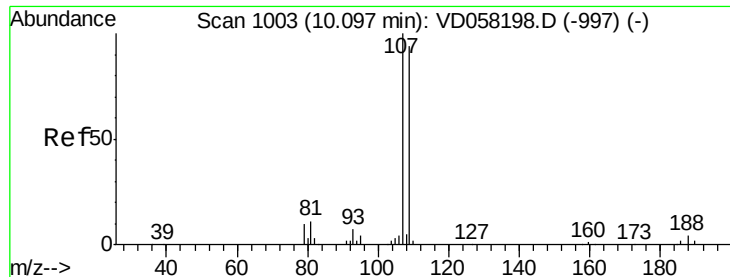
127 77.3 39.8 119.4



Abundance Ion 128.80 (128.50 to 129.50): V

Ion 126.80 (126.50 to 127.50): V





#61

1,2-Dibromoethane

Concen: 22.245 ug/l

RT: 10.11 min Scan# 1004

Delta R.T. 0.01 min

Lab File: VD058365.D

Acq: 24 Jun 2018 12:08

Instrument :

MSVOA_D

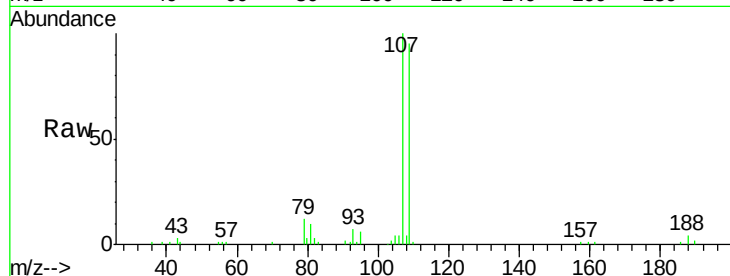
ClientSampled :

Tot Ion: 107 Resp: 143932

Ion Ratio Lower Upper

107 100

109 95.0 74.8 112.2



Abundance Ion 106.90 (106.60 to 107.60): V

Ion 108.90 (108.60 to 109.60): V

10.11

80000

60000

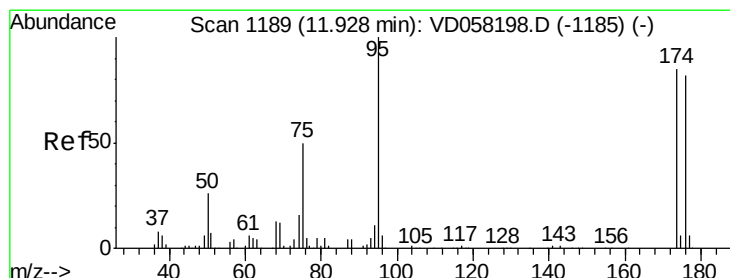
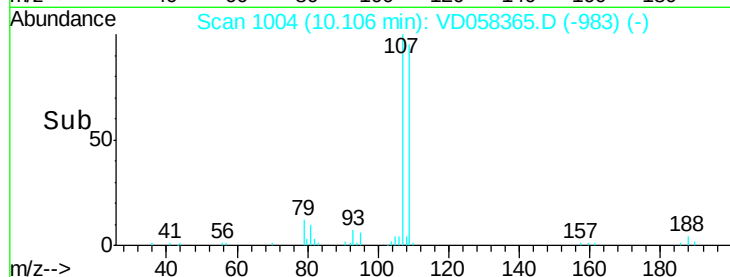
40000

20000

0

Time-->

10.00 10.10 10.20



#62

4-Bromofluorobenzene

Concen: 22.245 ug/l

RT: 11.94 min Scan# 1190

Delta R.T. 0.01 min

Lab File: VD058365.D

Acq: 24 Jun 2018 12:08

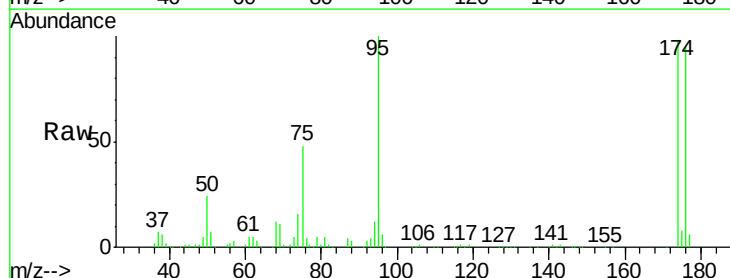
Tgt Ion: 95 Resp: 506923

Ion Ratio Lower Upper

95 100

174 98.2 0.0 170.2

176 95.2 0.0 164.6



Abundance Ion 95.00 (94.70 to 95.70): V

Ion 173.90 (173.60 to 174.60): V

Ion 175.90 (175.60 to 176.60): V

500000

400000

300000

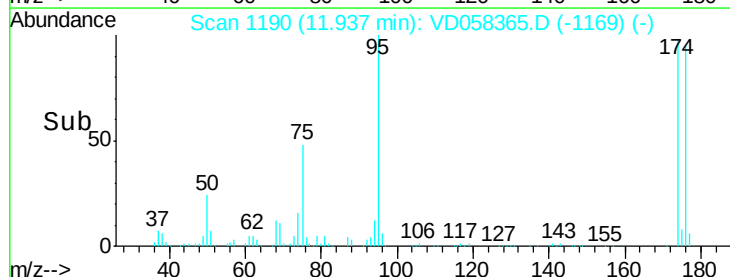
200000

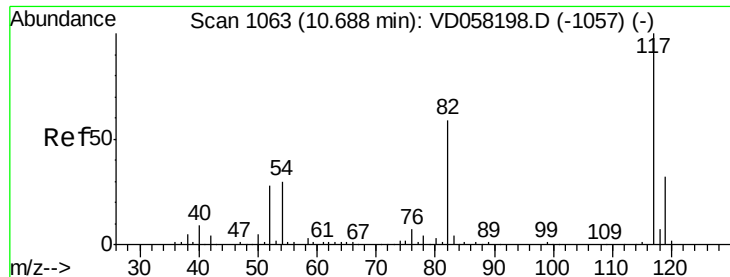
100000

0

Time-->

11.90 12.00

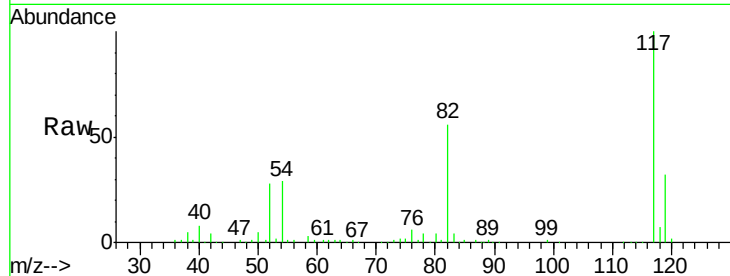




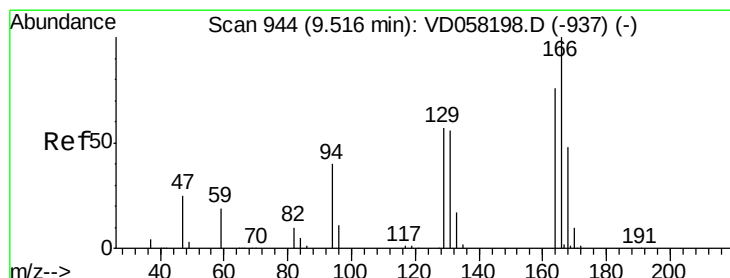
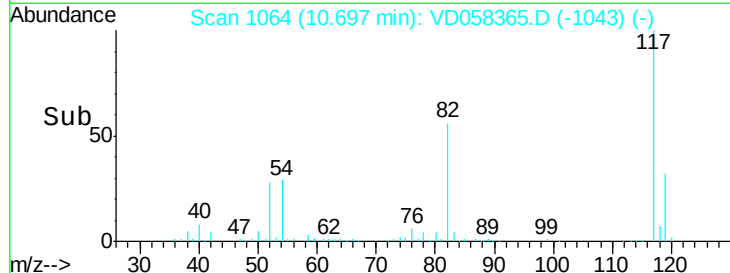
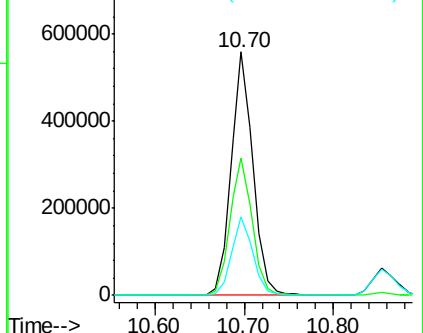
#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 10.70 min Scan# 1064
Delta R.T. 0.01 min
Lab File: VD058365.D
Acq: 24 Jun 2018 12:08

Instrument :
MSVOA_D
ClientSampleId :

Tot Ion:117 Resp: 964129
Ion Ratio Lower Upper
117 100
82 56.4 47.0 70.6
119 32.1 25.3 37.9



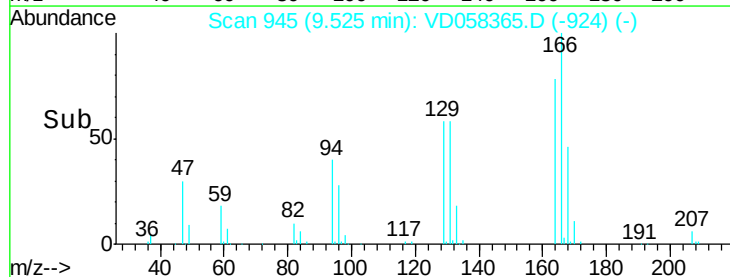
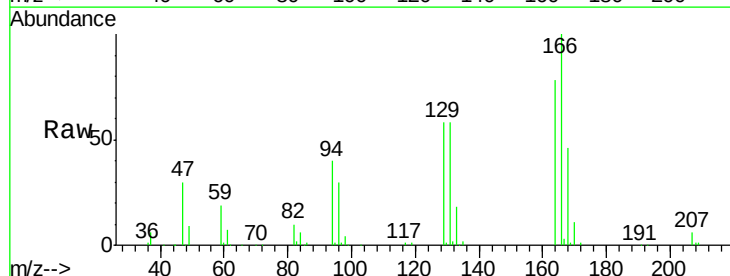
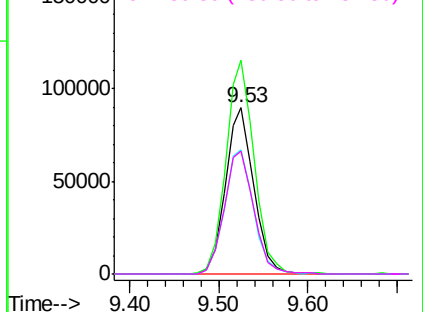
Abundance Ion 116.95 (116.65 to 117.65): V
Ion 82.05 (81.75 to 82.75): V
Ion 118.95 (118.65 to 119.65): V

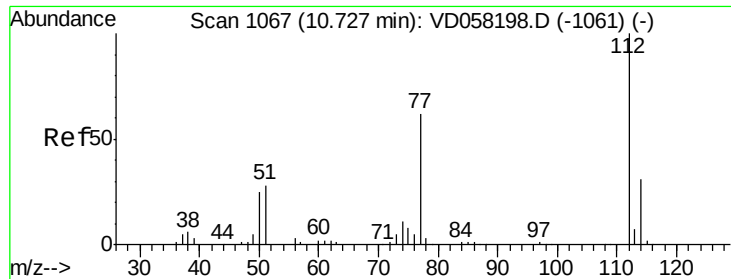


#64
Tetrachloroethene
Concen: 24.546 ug/l
RT: 9.53 min Scan# 945
Delta R.T. 0.01 min
Lab File: VD058365.D
Acq: 24 Jun 2018 12:08

Tgt Ion:164 Resp: 199128
Ion Ratio Lower Upper
164 100
166 128.4 105.4 158.0
129 74.8 59.6 89.4
131 73.9 59.4 89.2

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

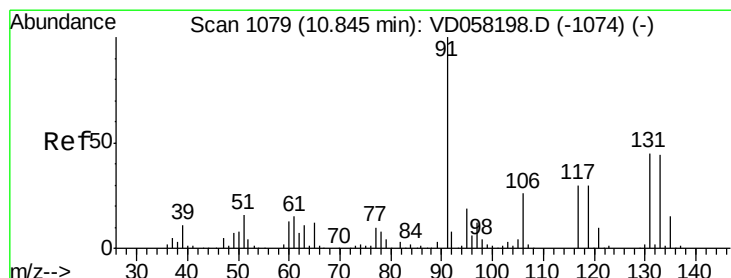
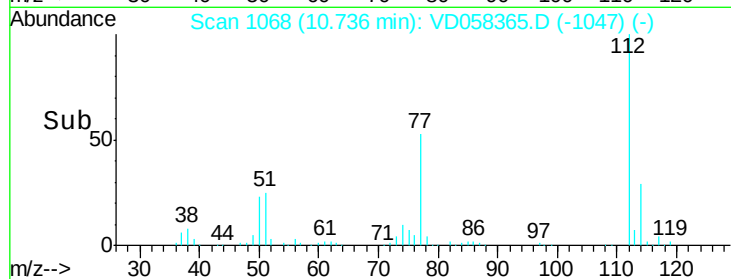
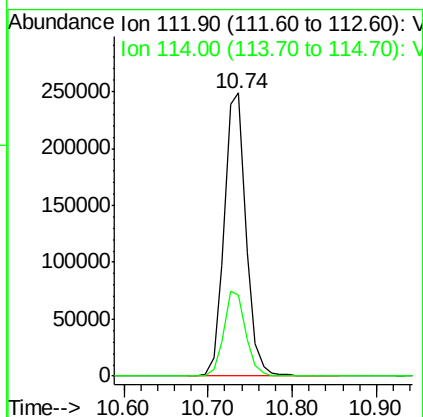
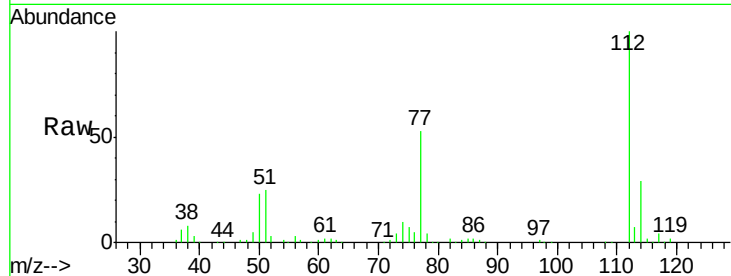




#65
Chlorobenzene
Concen: 24.781 ug/l
RT: 10.74 min Scan# 1068
Delta R.T. 0.01 min
Lab File: VD058365.D
Acq: 24 Jun 2018 12:08

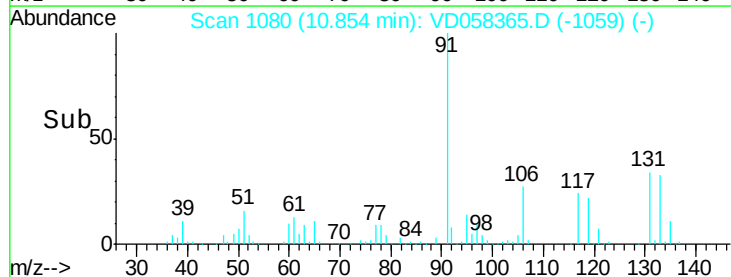
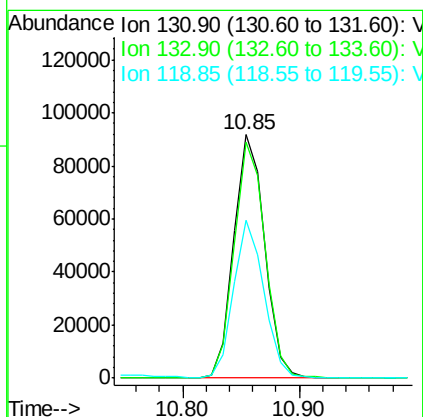
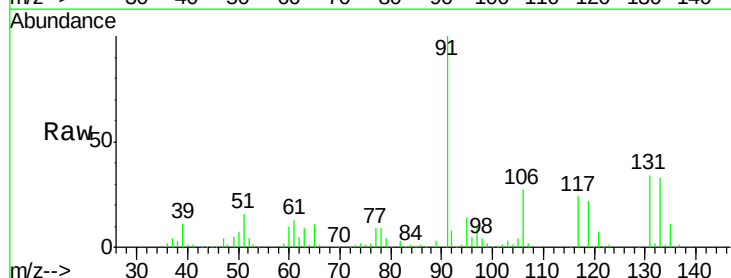
Instrument :
MSVOA_D
ClientSampled :

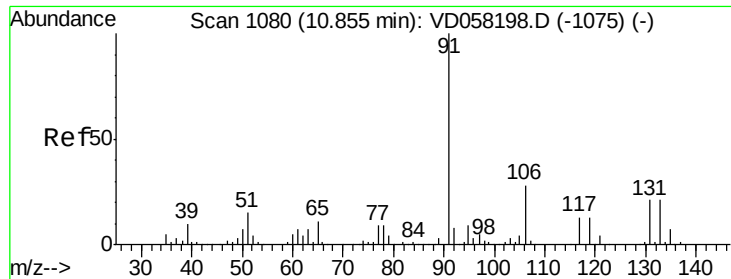
Tot Ion:112 Resp: 446915
Ion Ratio Lower Upper
112 100
114 28.9 25.0 37.4



#66
1,1,1,2-Tetrachloroethane
Concen: 24.154 ug/l
RT: 10.85 min Scan# 1080
Delta R.T. 0.01 min
Lab File: VD058365.D
Acq: 24 Jun 2018 12:08

Tgt Ion:131 Resp: 168102
Ion Ratio Lower Upper
131 100
133 96.9 48.6 145.9
119 64.7 33.0 99.0

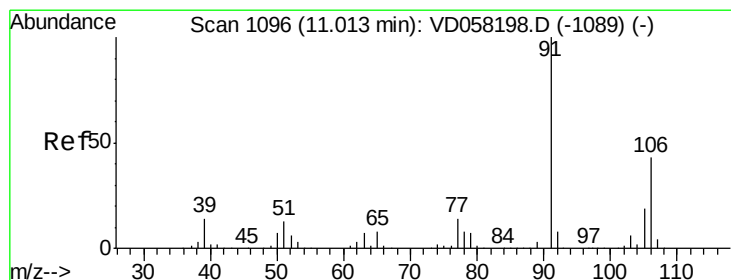
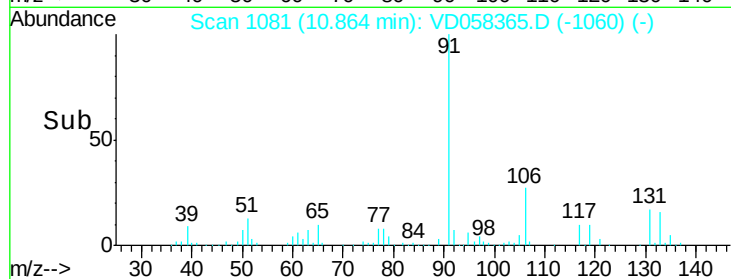
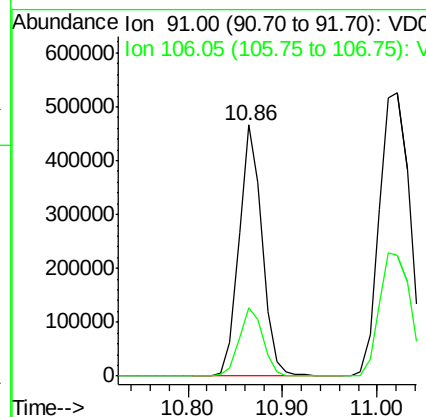
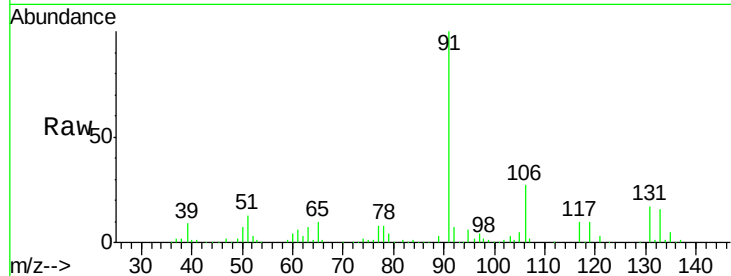




#67
Ethyl Benzene
Concen: 24.553 ug/l
RT: 10.86 min Scan# 1081
Delta R.T. 0.01 min
Lab File: VD058365.D
Acq: 24 Jun 2018 12:08

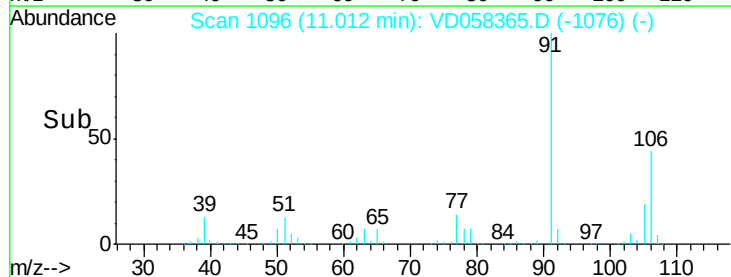
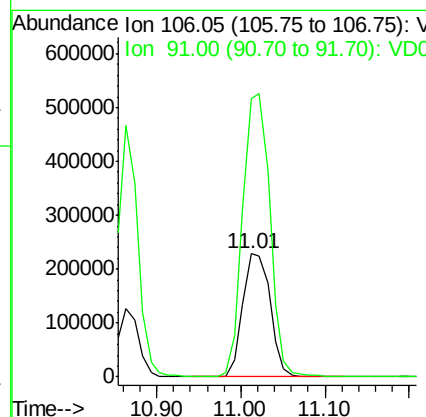
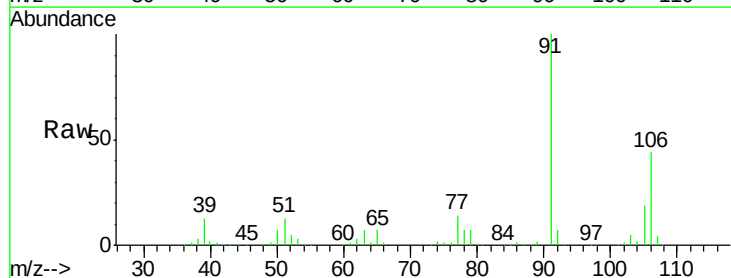
Instrument :
MSVOA_D
ClientSampled :

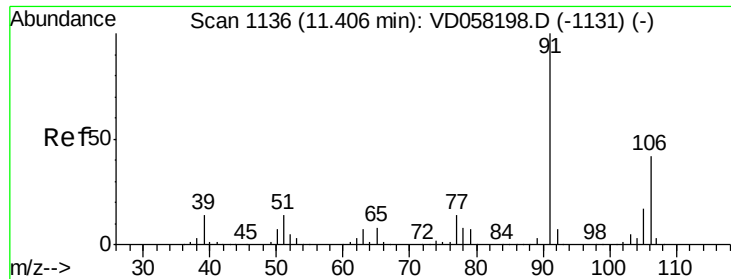
Tot Ion: 91 Resp: 781749
Ion Ratio Lower Upper
91 100
106 27.0 22.0 33.0



#68
m/p-Xylenes
Concen: 49.174 ug/l
RT: 11.01 min Scan# 1096
Delta R.T. -0.00 min
Lab File: VD058365.D
Acq: 24 Jun 2018 12:08

Tgt Ion: 106 Resp: 522105
Ion Ratio Lower Upper
106 100
91 225.7 185.0 277.6

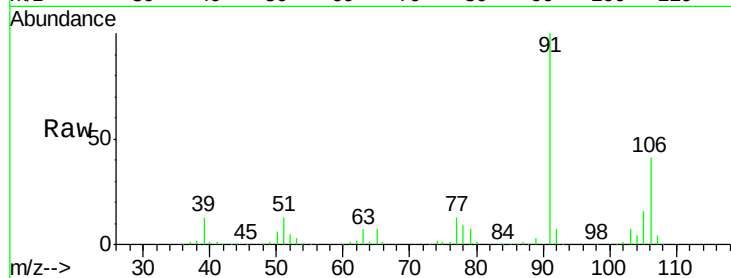




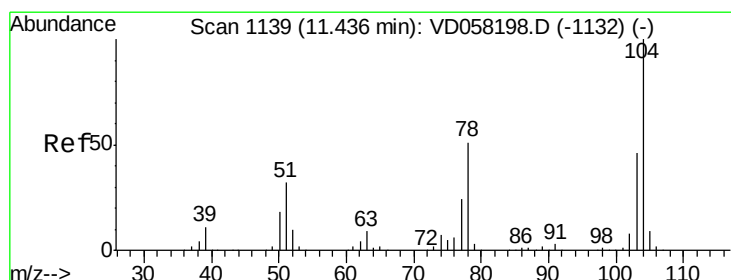
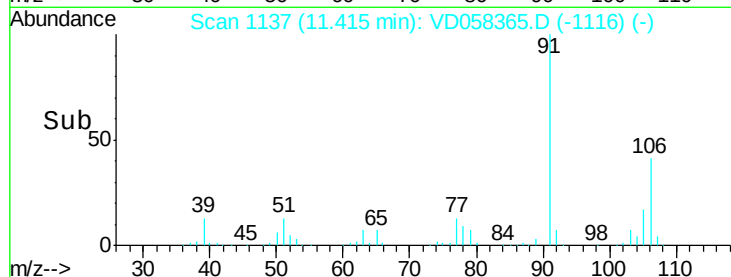
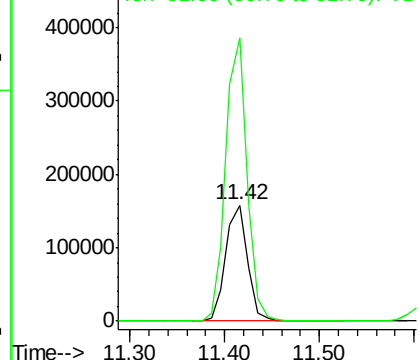
#69
o-Xylene
Concen: 24.855 ug/l
RT: 11.42 min Scan# 1137
Delta R.T. 0.01 min
Lab File: VD058365.D
Acq: 24 Jun 2018 12:08

Instrument :
MSVOA_D
ClientSampled :

Tot Ion:106 Resp: 252050
Ion Ratio Lower Upper
106 100
91 243.4 120.2 360.6

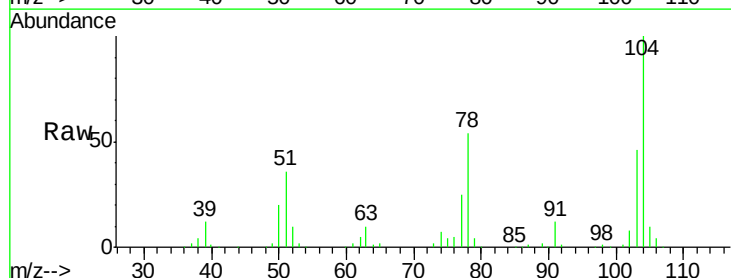


Abundance Ion 106.05 (105.75 to 106.75): V
Ion 91.00 (90.70 to 91.70): VDC

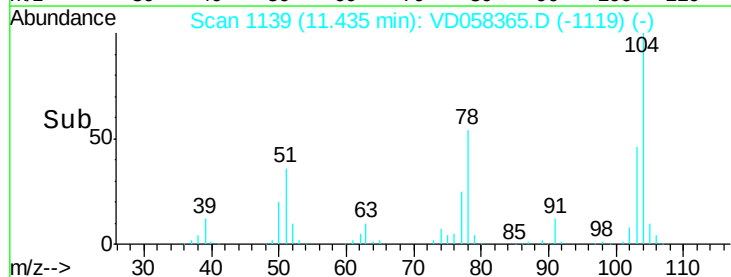
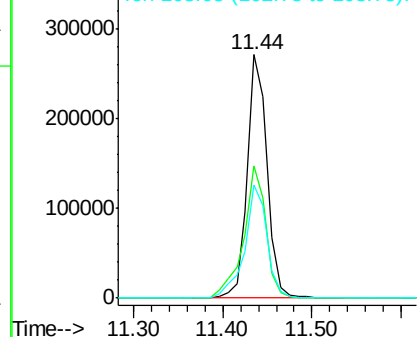


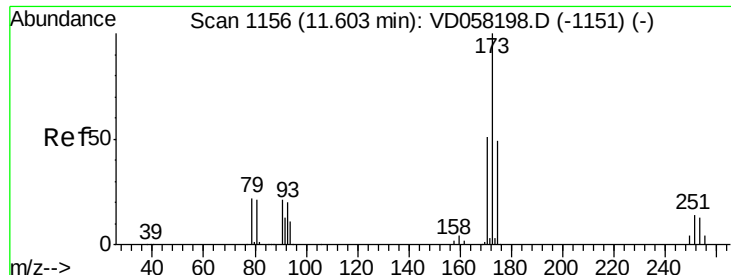
#70
Styrene
Concen: 24.033 ug/l
RT: 11.44 min Scan# 1139
Delta R.T. -0.00 min
Lab File: VD058365.D
Acq: 24 Jun 2018 12:08

Tgt Ion:104 Resp: 415885
Ion Ratio Lower Upper
104 100
78 54.2 40.8 61.2
103 46.4 37.0 55.6



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

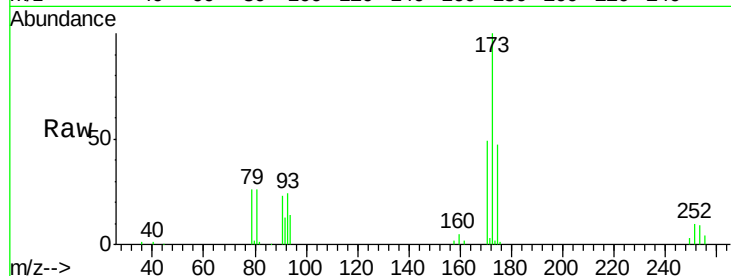




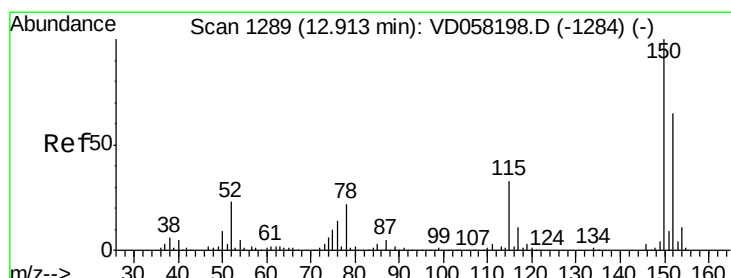
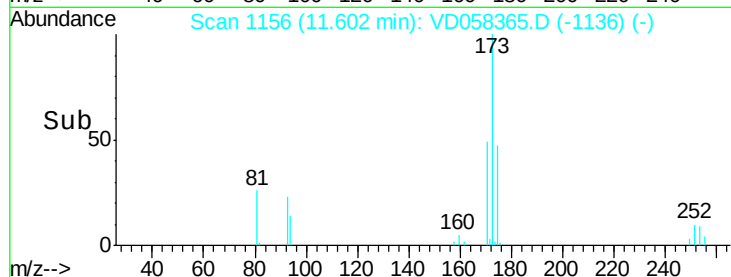
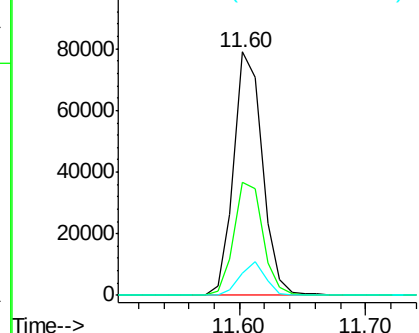
#71
Bromoform
Concen: 22.298 ug/l
RT: 11.60 min Scan# 1156
Delta R.T. -0.00 min
Lab File: VD058365.D
Acq: 24 Jun 2018 12:08

Instrument :
MSVOA_D
ClientSampled :

Tot Ion:173 Resp: 123795
Ion Ratio Lower Upper
173 100
175 46.6 24.6 74.0
254 9.3 10.3 15.5#

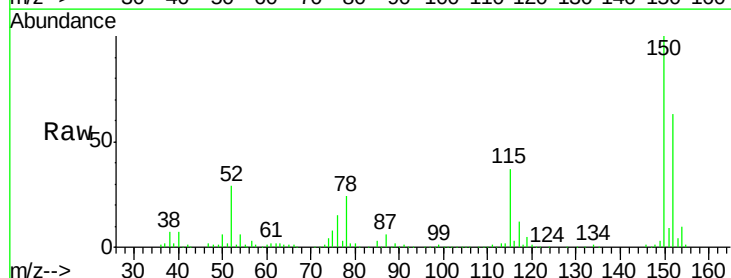


Abundance Ion 172.80 (172.50 to 173.50): V
Ion 174.80 (174.50 to 175.50): V
Ion 253.70 (253.40 to 254.40): V

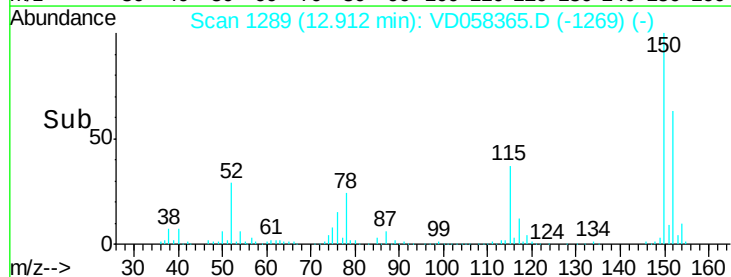
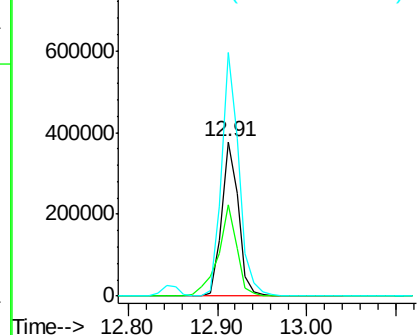


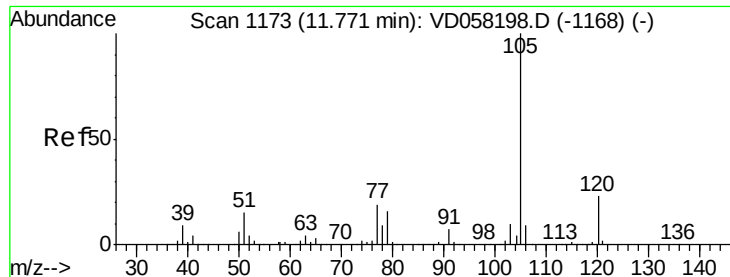
#72
1,4-Dichlorobenzene-d4
Concen: 50.000 ug/l
RT: 12.91 min Scan# 1289
Delta R.T. -0.00 min
Lab File: VD058365.D
Acq: 24 Jun 2018 12:08

Tgt Ion:152 Resp: 495741
Ion Ratio Lower Upper
152 100
115 59.1 25.1 75.3
150 157.7 0.0 308.8



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: 25.006 ug/l

RT: 11.78 min Scan# 1174

Delta R.T. 0.01 min

Lab File: VD058365.D

Acq: 24 Jun 2018 12:08

Instrument :

MSVOA_D

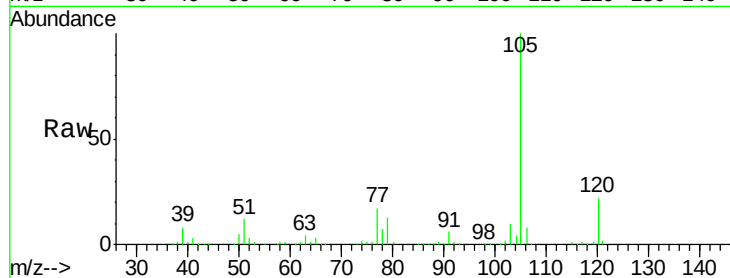
ClientSampleId :

Tot Ion:105 Resp: 741483

Ion Ratio Lower Upper

105 100

120 22.4 11.6 34.8



Abundance Ion 105.05 (104.75 to 105.75): V

Ion 120.05 (119.75 to 120.75): V

11.78

600000

500000

400000

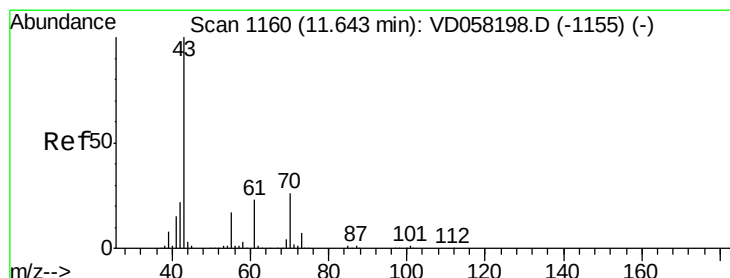
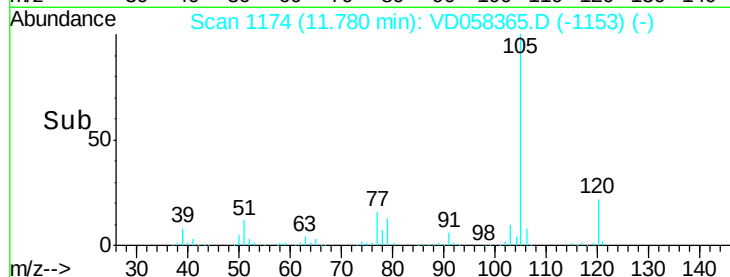
300000

200000

100000

0

Time-->



#74

N-ethyl acetate

Concen: 21.714 ug/l

RT: 11.65 min Scan# 1161

Delta R.T. 0.01 min

Lab File: VD058365.D

Acq: 24 Jun 2018 12:08

Tgt Ion: 43 Resp: 248957

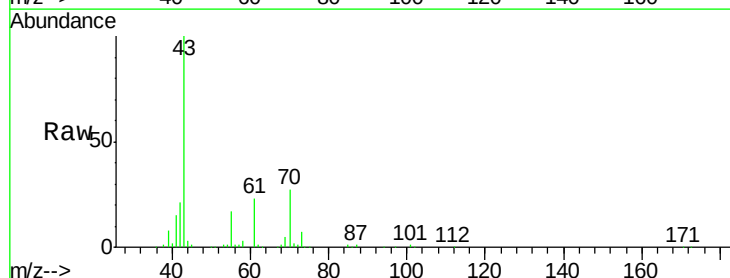
Ion Ratio Lower Upper

43 100

70 26.9 20.9 31.3

55 16.8 13.5 20.3

61 23.0 18.2 27.2



Abundance Ion 42.95 (42.65 to 43.65): VDC

Ion 70.00 (69.70 to 70.70): VDC

Ion 55.00 (54.70 to 55.70): VDC

Ion 60.95 (60.65 to 61.65): VDC

300000

250000

200000

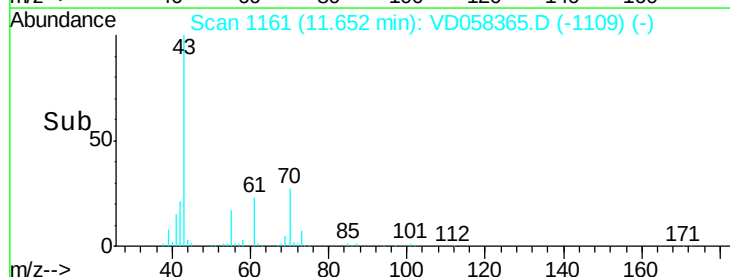
150000

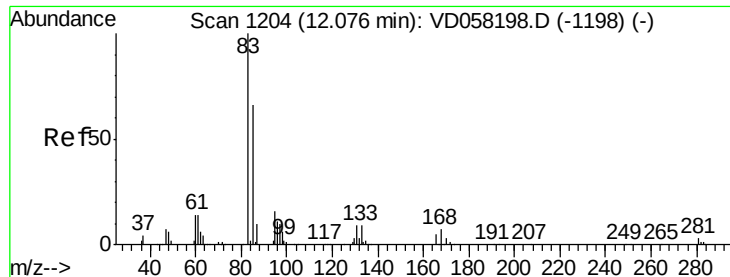
100000

50000

0

Time-->





#75

1,1,2,2-Tetrachloroethane

Concen: 20.851 ug/l

RT: 12.08 min Scan# 1205

Delta R.T. 0.01 min

Lab File: VD058365.D

Acq: 24 Jun 2018 12:08

Instrument :

MSVOA_D

ClientSampleId :

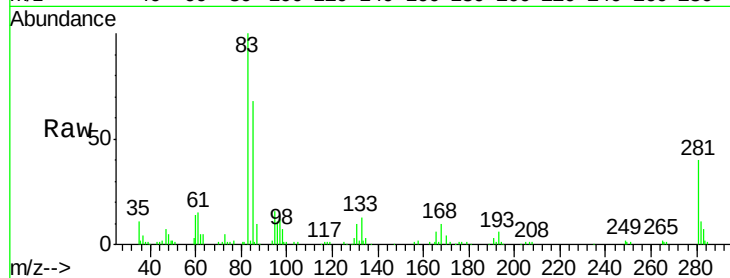
Tot Ion: 83 Resp: 143885

Ion	Ratio	Lower	Upper
83	100		
131	9.9	4.8	14.3
85	67.6	33.1	99.5

83 100

131 9.9 4.8 14.3

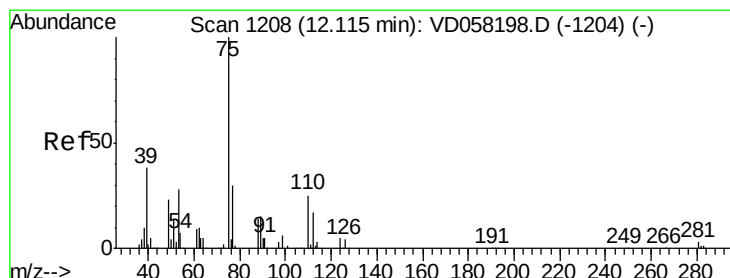
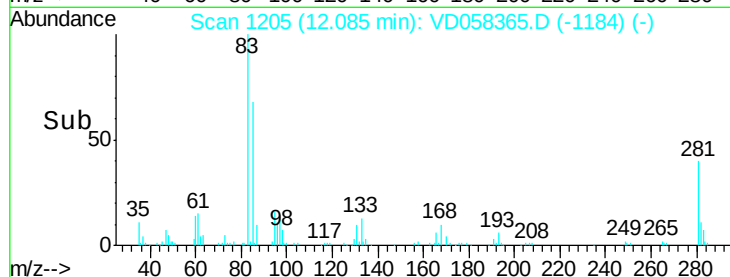
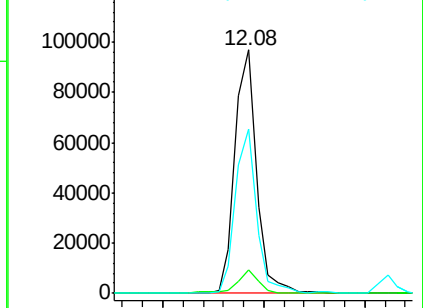
85 67.6 33.1 99.5



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: 21.313 ug/l

RT: 12.11 min Scan# 1208

Delta R.T. -0.00 min

Lab File: VD058365.D

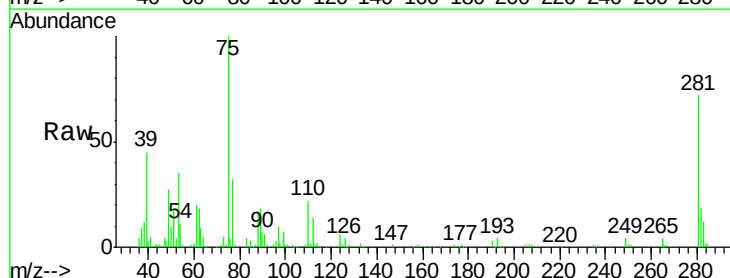
Acq: 24 Jun 2018 12:08

Tgt Ion: 75 Resp: 154264

Ion	Ratio	Lower	Upper
75	100		
77	32.1	16.0	47.9

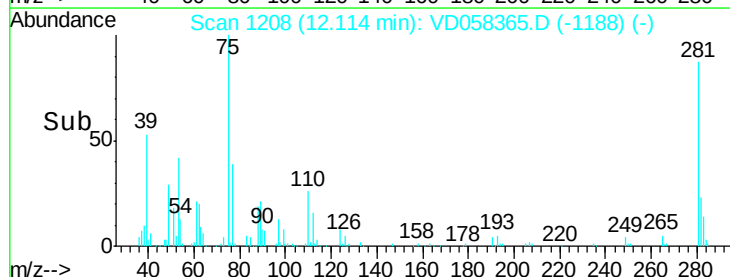
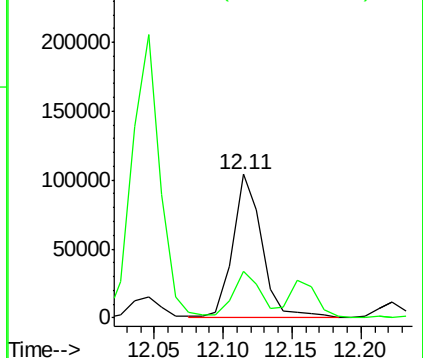
75 100

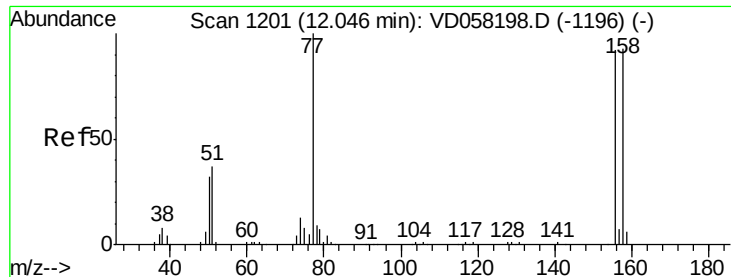
77 32.1 16.0 47.9



Abundance Ion 75.00 (74.70 to 75.70): VDC

Ion 76.95 (76.65 to 77.65): VDC





#77

Bromobenzene

Concen: 24.389 ug/l

RT: 12.05 min Scan# 1201

Delta R.T. -0.00 min

Lab File: VD058365.D

Acq: 24 Jun 2018 12:08

Instrument :

MSVOA_D

ClientSampleId :

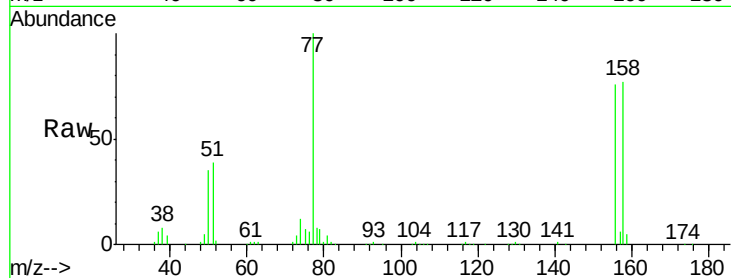
Tot Ion:156 Resp: 216557

Ion Ratio Lower Upper

156 100

77 131.1 54.5 163.6

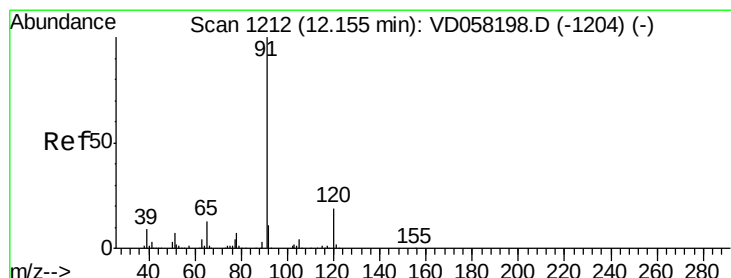
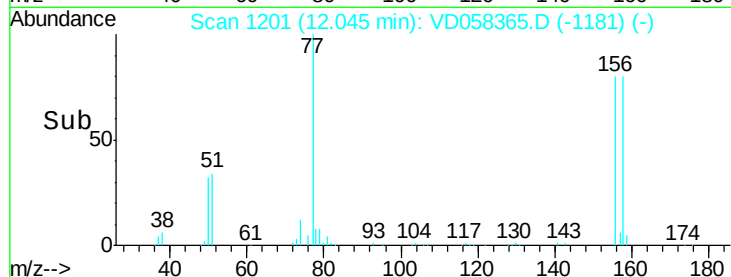
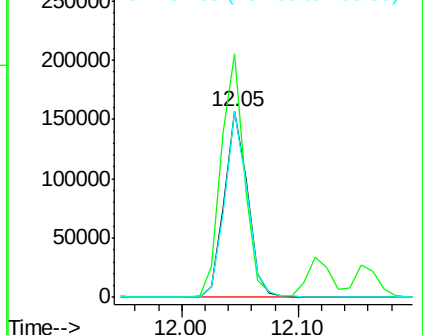
158 100.3 50.8 152.5



Abundance Ion 155.90 (155.60 to 156.60): V

Ion 76.95 (76.65 to 77.65): VDC

Ion 157.85 (157.55 to 158.55): V



#78

n-propylbenzene

Concen: 24.492 ug/l

RT: 12.15 min Scan# 1212

Delta R.T. -0.00 min

Lab File: VD058365.D

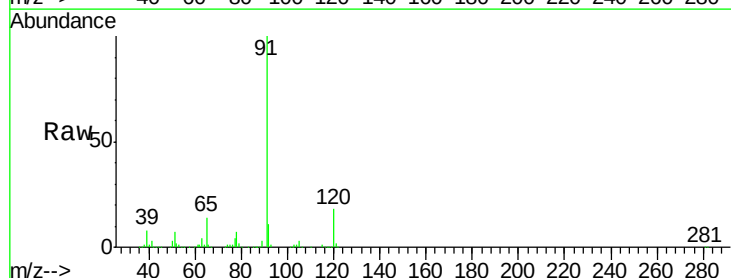
Acq: 24 Jun 2018 12:08

Tgt Ion: 91 Resp: 937860

Ion Ratio Lower Upper

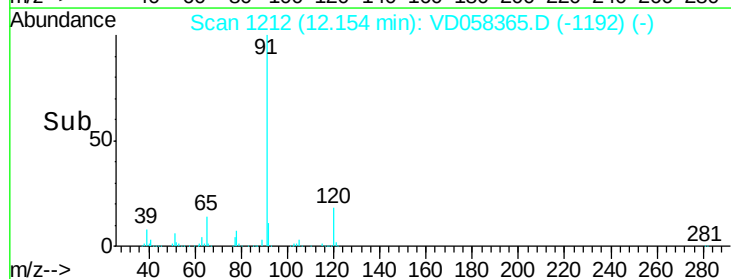
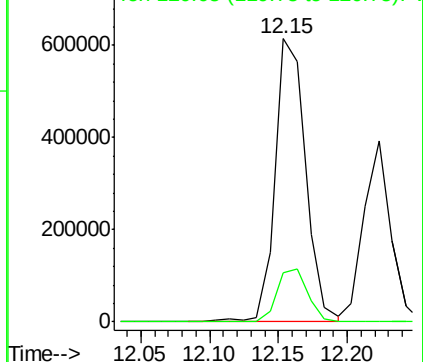
91 100

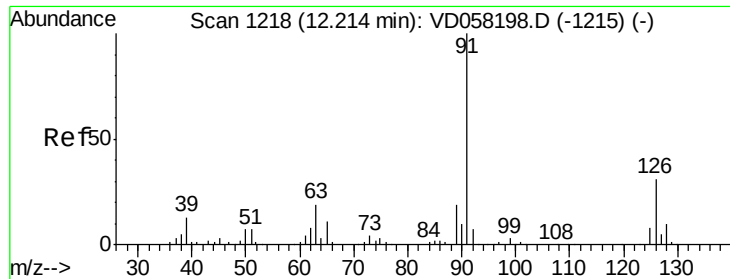
120 17.5 9.7 29.1



Abundance Ion 91.00 (90.70 to 91.70): VDC

Ion 120.05 (119.75 to 120.75): V

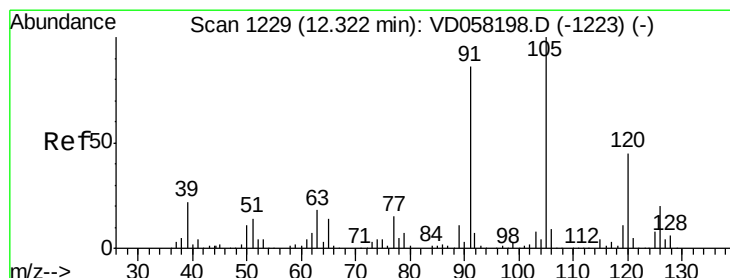
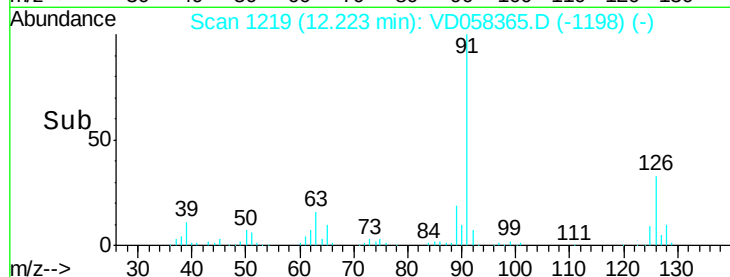
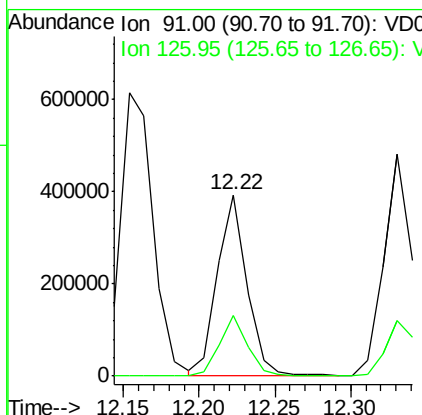
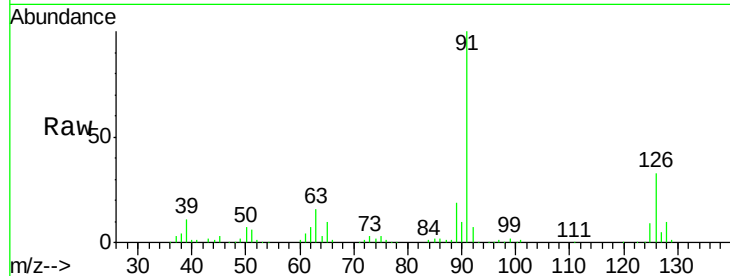




#79
 2-Chlorotoluene
 Concen: 24.161 ug/l
 RT: 12.22 min Scan# 1219
 Delta R.T. 0.01 min
 Lab File: VD058365.D
 Acq: 24 Jun 2018 12:08

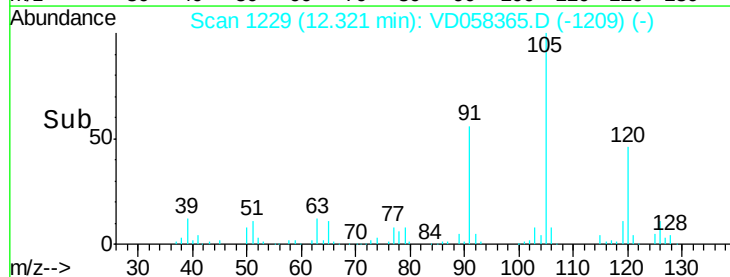
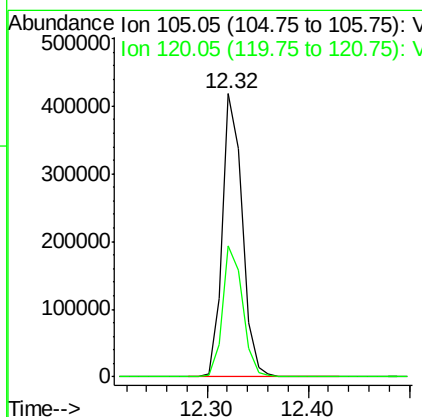
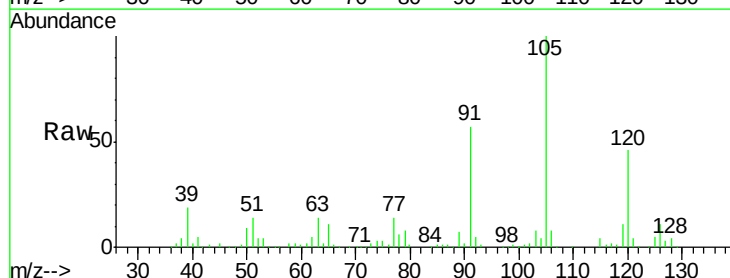
Instrument :
 MSVOA_D
 ClientSampled :

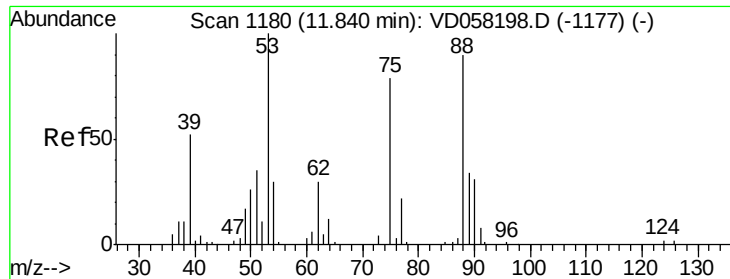
Tot Ion: 91 Resp: 529444
 Ion Ratio Lower Upper
 91 100
 126 33.2 14.9 44.5



#80
 1,3,5-Trimethylbenzene
 Concen: 25.035 ug/l
 RT: 12.32 min Scan# 1229
 Delta R.T. -0.00 min
 Lab File: VD058365.D
 Acq: 24 Jun 2018 12:08

Tgt Ion: 105 Resp: 579015
 Ion Ratio Lower Upper
 105 100
 120 46.2 22.5 67.5





#81

trans-1,4-Dichloro-2-butene

Concen: 21.181 ug/l

RT: 11.85 min Scan# 1181

Delta R.T. 0.01 min

Lab File: VD058365.D

Acq: 24 Jun 2018 12:08

Instrument :

MSVOA_D

ClientSampled :

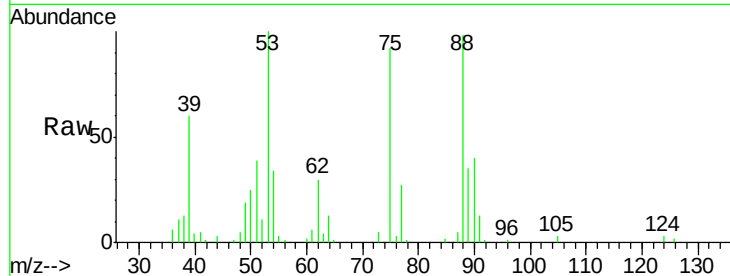
Tot Ion: 75 Resp: 37391

Ion Ratio Lower Upper

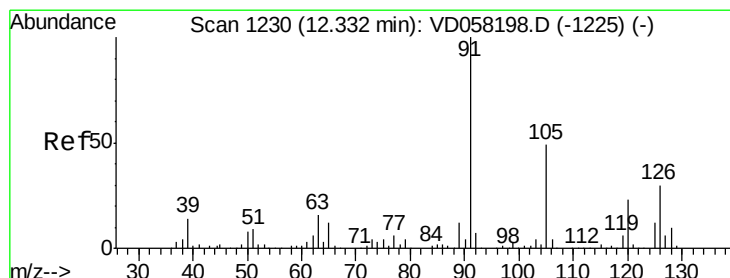
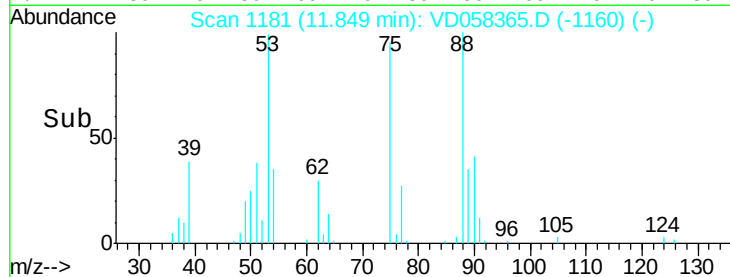
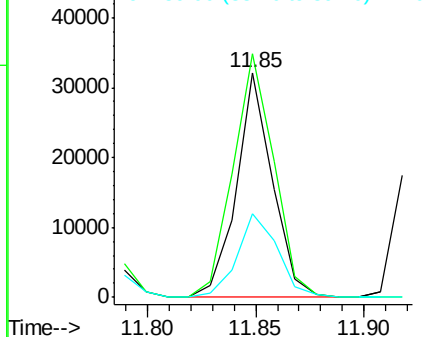
75 100

53 108.3 100.8 151.2

89 37.4 34.6 52.0



Abundance Ion 75.00 (74.70 to 75.70): VDC
Ion 53.00 (52.70 to 53.70): VDC
Ion 89.00 (88.70 to 89.70): VDC



#82

4-Chlorotoluene

Concen: 26.693 ug/l

RT: 12.33 min Scan# 1230

Delta R.T. -0.00 min

Lab File: VD058365.D

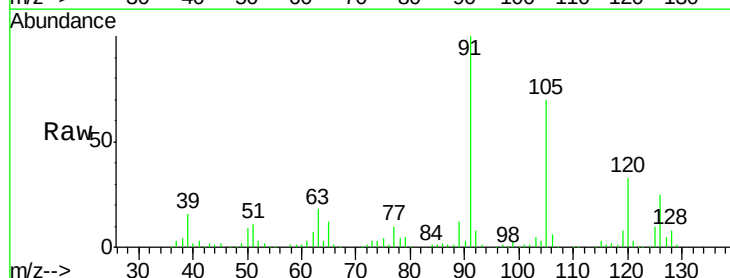
Acq: 24 Jun 2018 12:08

Tgt Ion: 91 Resp: 624184

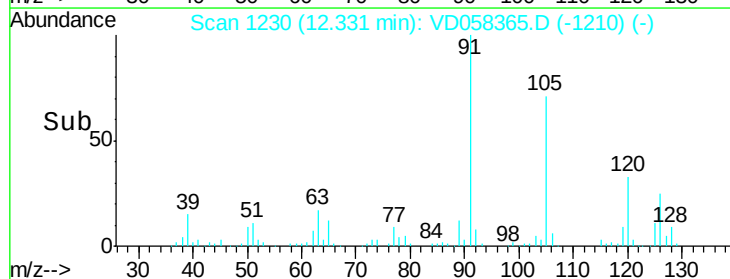
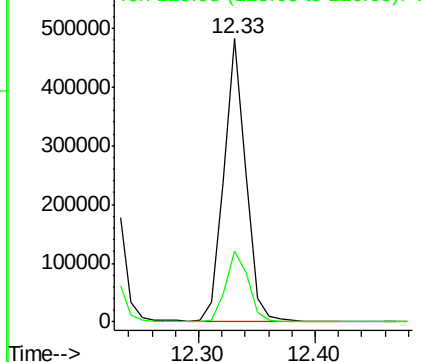
Ion Ratio Lower Upper

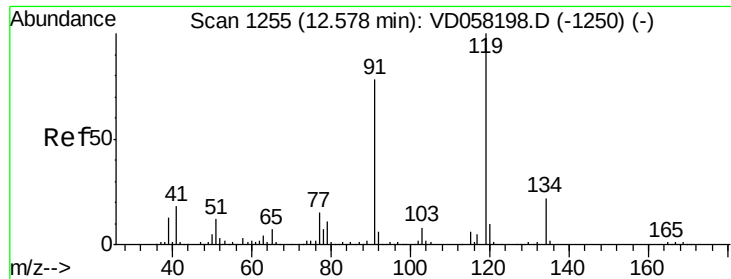
91 100

126 24.8 14.9 44.9



Abundance Ion 91.00 (90.70 to 91.70): VDC
Ion 125.95 (125.65 to 126.65): V

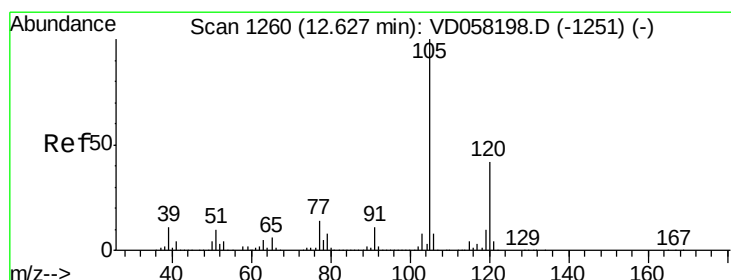
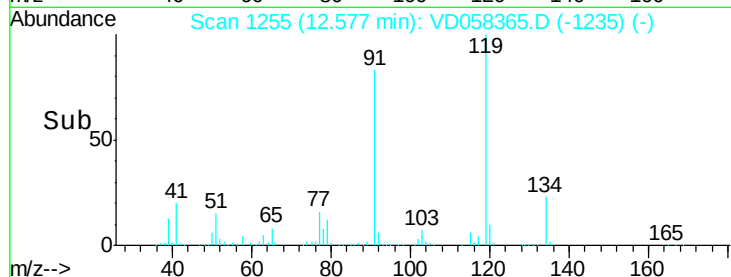
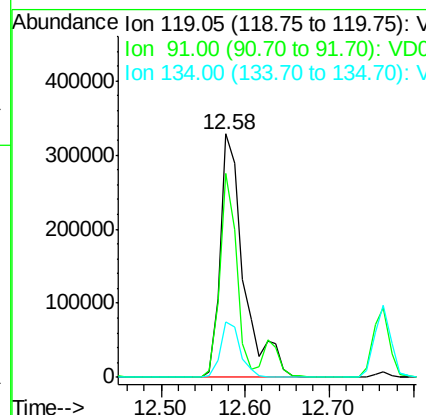
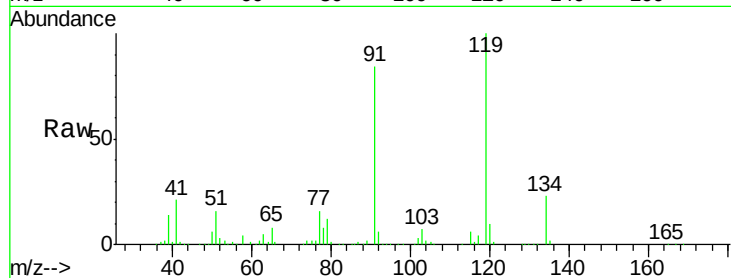




#83
tert-Butylbenzene
Concen: 24.021 ug/l
RT: 12.58 min Scan# 1255
Delta R.T. -0.00 min
Lab File: VD058365.D
Acq: 24 Jun 2018 12:08

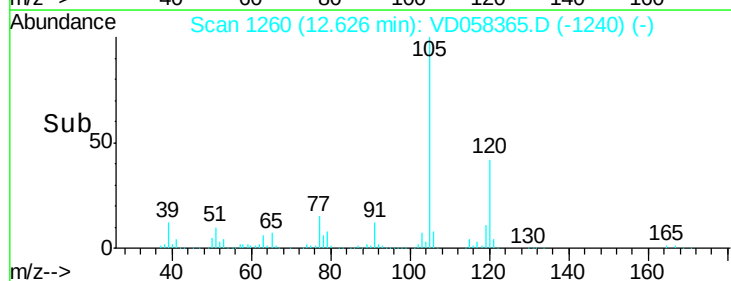
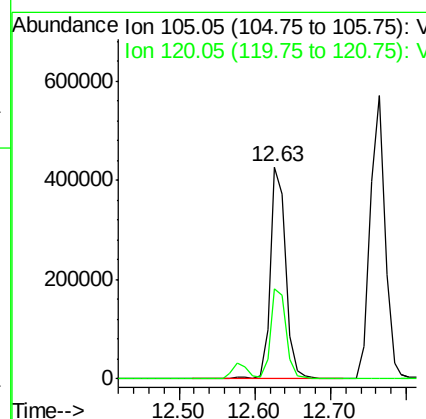
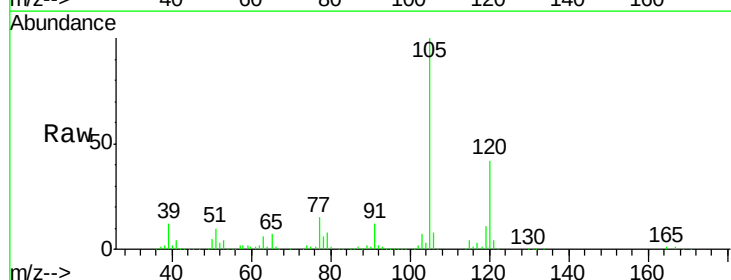
Instrument :
MSVOA_D
ClientSampleId :

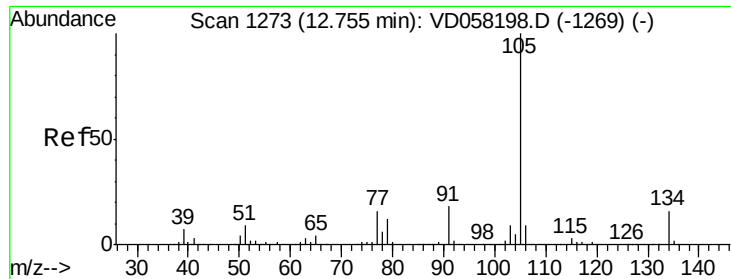
Tot Ion:119 Resp: 638727
Ion Ratio Lower Upper
119 100
91 83.9 38.9 116.6
134 22.9 11.2 33.5



#84
1,2,4-Trimethylbenzene
Concen: 24.147 ug/l
RT: 12.63 min Scan# 1260
Delta R.T. -0.00 min
Lab File: VD058365.D
Acq: 24 Jun 2018 12:08

Tgt Ion:105 Resp: 607068
Ion Ratio Lower Upper
105 100
120 42.4 20.8 62.4





#85

sec-Butylbenzene

Concen: 24.535 ug/l

RT: 12.76 min Scan# 1274

Delta R.T. 0.01 min

Lab File: VD058365.D

Acq: 24 Jun 2018 12:08

Instrument :

MSVOA_D

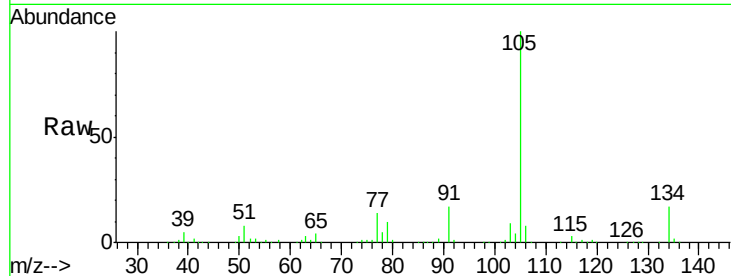
ClientSampled :

Tot Ion:105 Resp: 764687

Ion Ratio Lower Upper

105 100

134 16.9 8.1 24.3



Abundance Ion 105.05 (104.75 to 105.75): V

Ion 134.10 (133.80 to 134.80): V

12.76

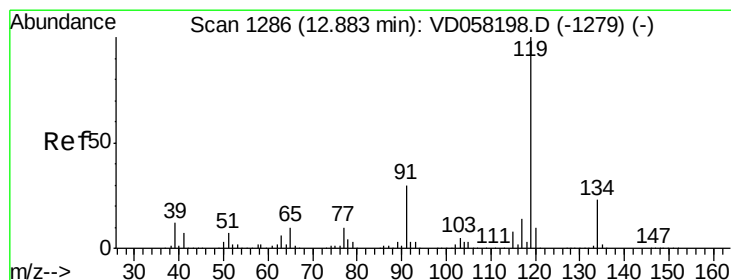
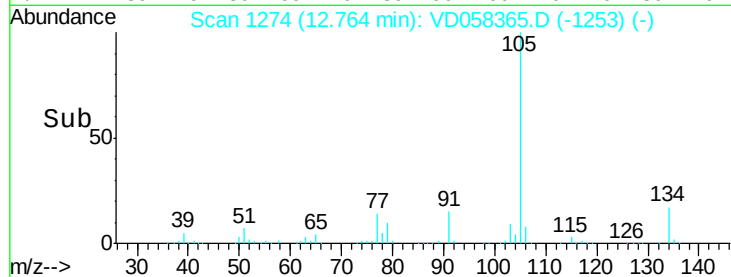
600000

400000

200000

0

Time-->



#86

p-Isopropyltoluene

Concen: 25.405 ug/l

RT: 12.89 min Scan# 1287

Delta R.T. 0.01 min

Lab File: VD058365.D

Acq: 24 Jun 2018 12:08

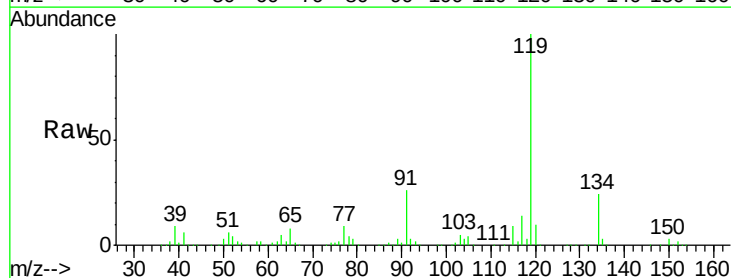
Tgt Ion:119 Resp: 641676

Ion Ratio Lower Upper

119 100

134 24.0 11.6 34.8

91 26.3 15.0 45.1



Abundance Ion 119.05 (118.75 to 119.75): V

Ion 134.10 (133.80 to 134.80): V

Ion 91.00 (90.70 to 91.70): V

12.89

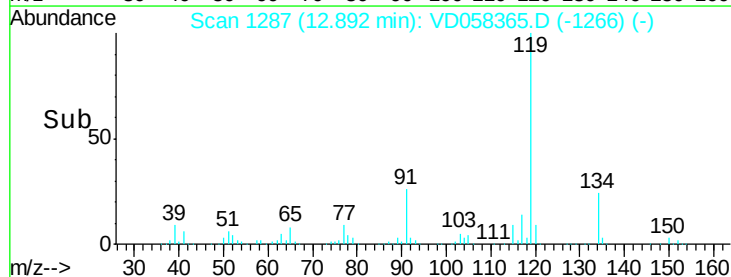
600000

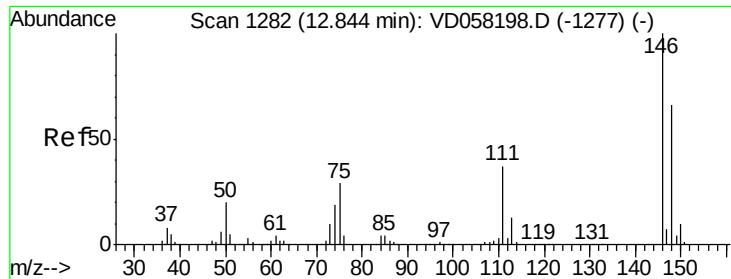
400000

200000

0

Time-->

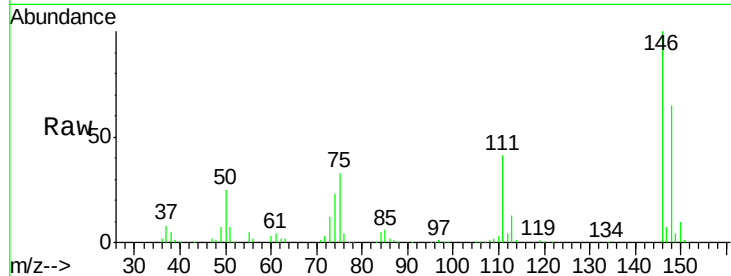




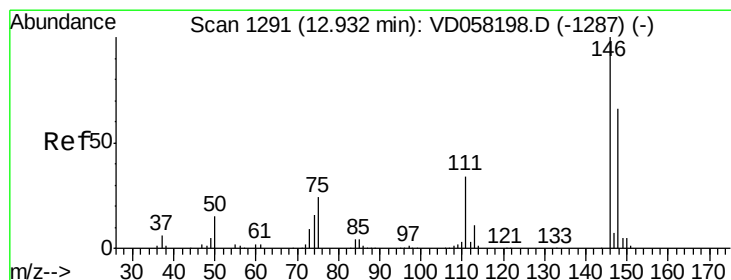
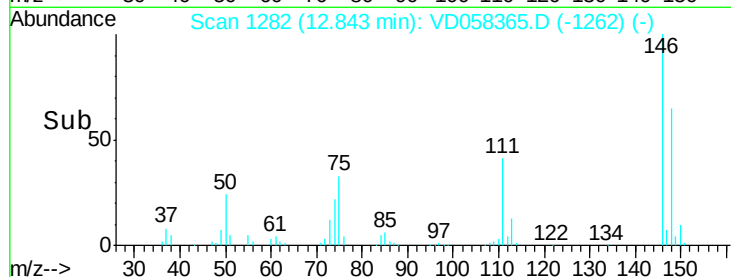
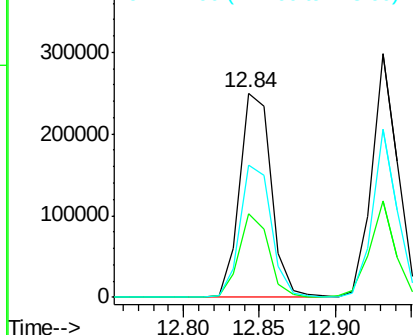
#87
 1,3-Dichlorobenzene
 Concen: 23.502 ug/l
 RT: 12.84 min Scan# 1282
 Delta R.T. -0.00 min
 Lab File: VD058365.D
 Acq: 24 Jun 2018 12:08

Instrument :
 MSVOA_D
 ClientSampleId :

Tot Ion	Ratio	Lower	Upper
146	100		
111	41.2	18.4	55.0
148	64.9	32.8	98.4

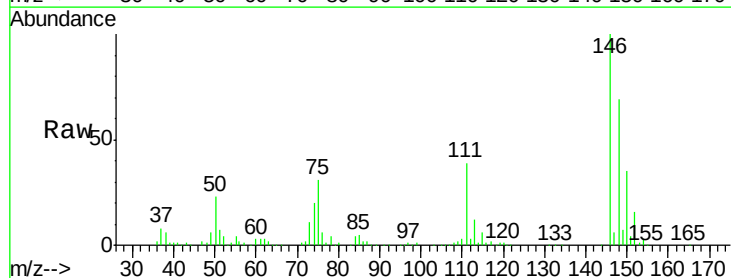


Abundance Ion 145.95 (145.65 to 146.65): V
 Ion 110.90 (110.60 to 111.60): V
 Ion 147.90 (147.60 to 148.60): V

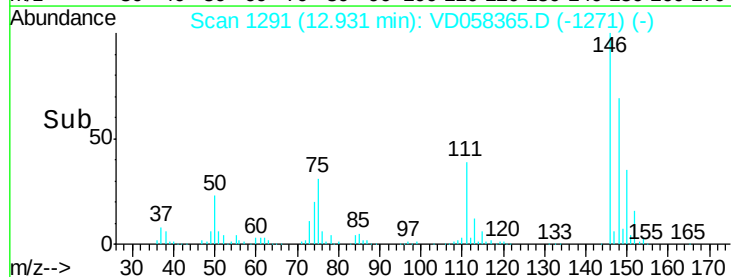
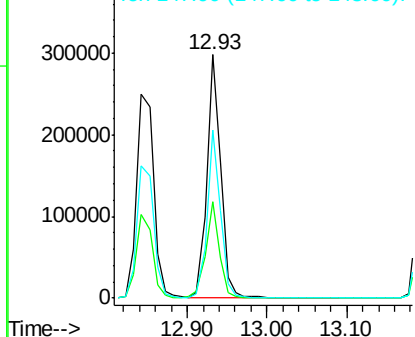


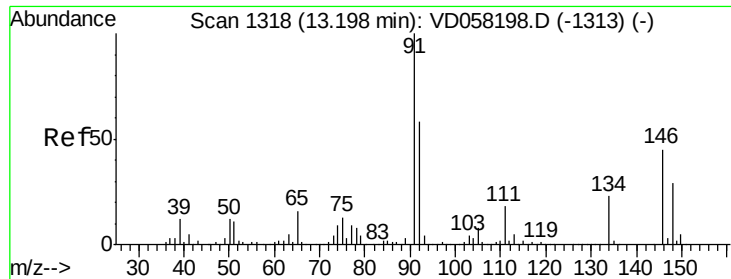
#88
 1,4-Dichlorobenzene
 Concen: 23.842 ug/l
 RT: 12.93 min Scan# 1291
 Delta R.T. -0.00 min
 Lab File: VD058365.D
 Acq: 24 Jun 2018 12:08

Tgt Ion	Ratio	Lower	Upper
146	100		
111	39.4	17.2	51.5
148	69.0	33.1	99.3



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

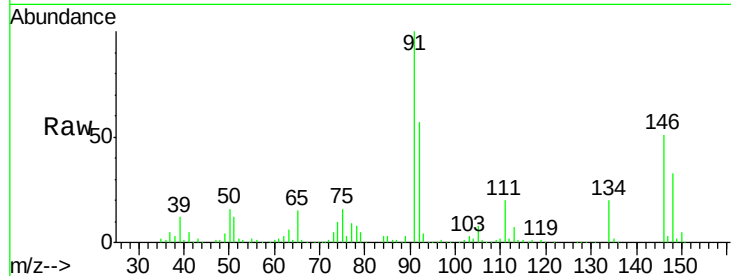




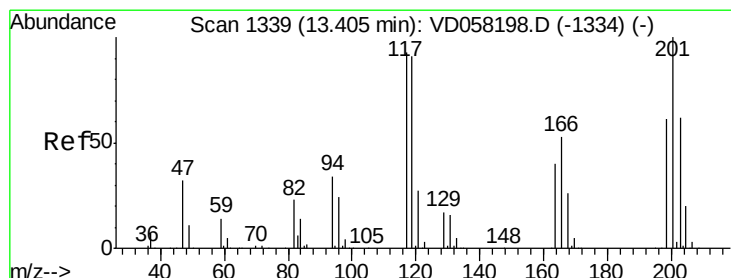
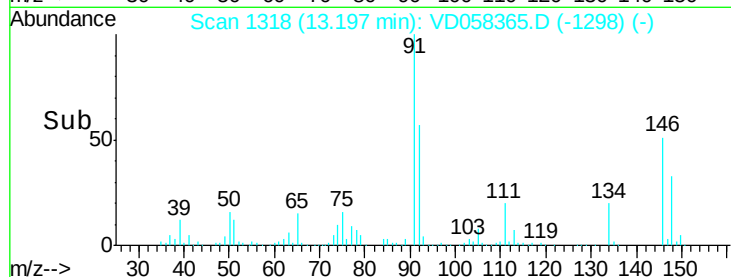
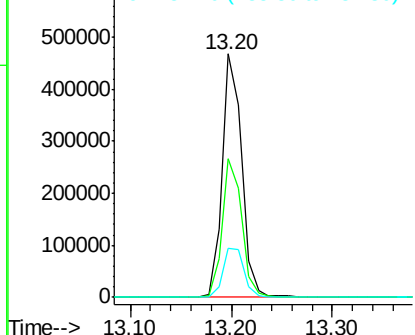
#89
n-Butylbenzene
Concen: 23.935 ug/l
RT: 13.20 min Scan# 1318
Delta R.T. -0.00 min
Lab File: VD058365.D
Acq: 24 Jun 2018 12:08

Instrument :
MSVOA_D
ClientSampleId :

Tot Ion: 91 Resp: 635349
Ion Ratio Lower Upper
91 100
92 57.0 29.2 87.6
134 19.9 11.3 33.8

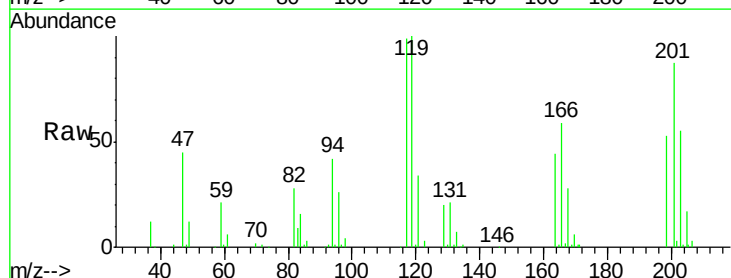


Abundance Ion 91.00 (90.70 to 91.70): VDC
Ion 92.00 (91.70 to 92.70): VDC
Ion 134.10 (133.80 to 134.80): V

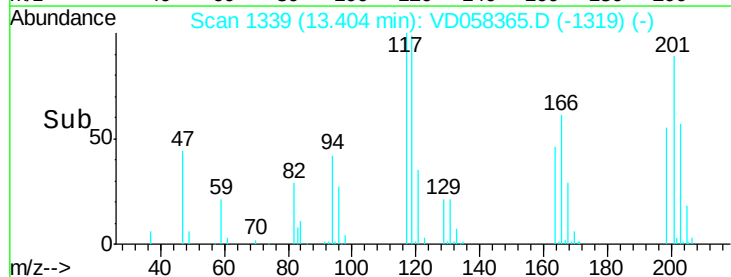
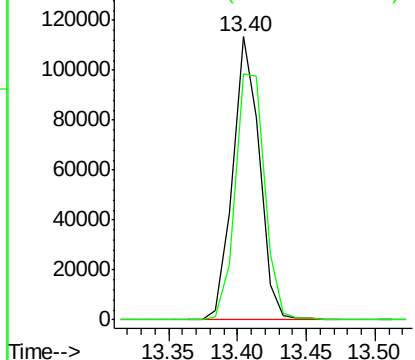


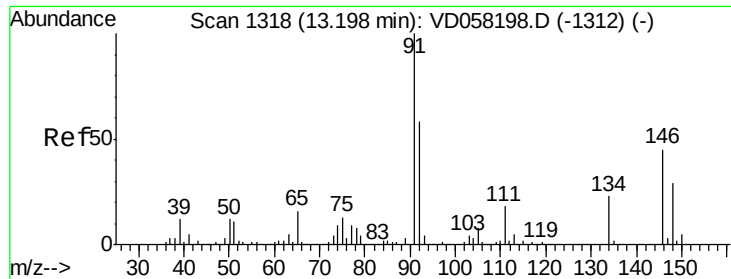
#90
Hexachloroethane
Concen: 23.241 ug/l
RT: 13.40 min Scan# 1339
Delta R.T. -0.00 min
Lab File: VD058365.D
Acq: 24 Jun 2018 12:08

Tgt Ion: 117 Resp: 152362
Ion Ratio Lower Upper
117 100
201 87.0 53.8 161.4



Abundance Ion 116.85 (116.55 to 117.55): V
Ion 200.75 (200.45 to 201.45): V

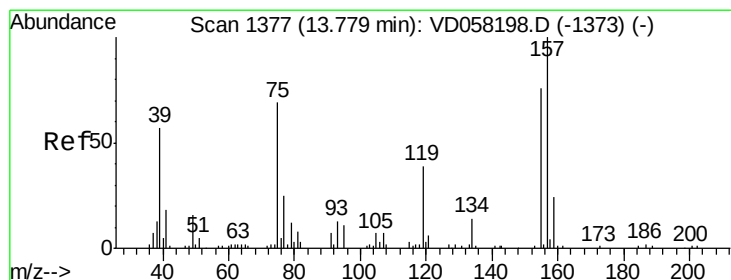
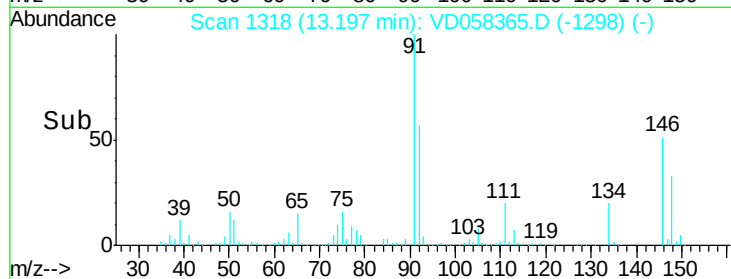
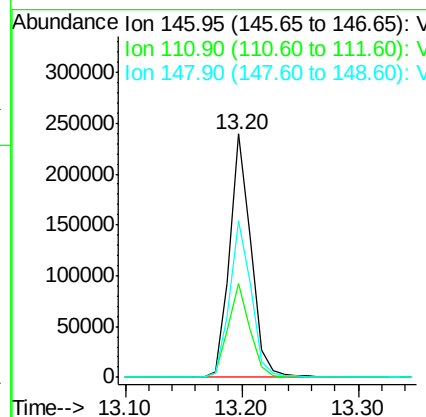
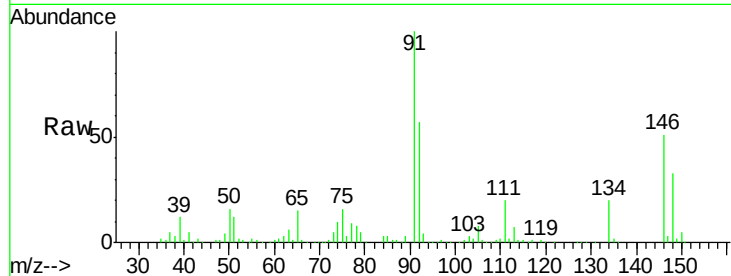




#91
 1,2-Dichlorobenzene
 Concen: 23.282 ug/l
 RT: 13.20 min Scan# 1318
 Delta R.T. -0.00 min
 Lab File: VD058365.D
 Acq: 24 Jun 2018 12:08

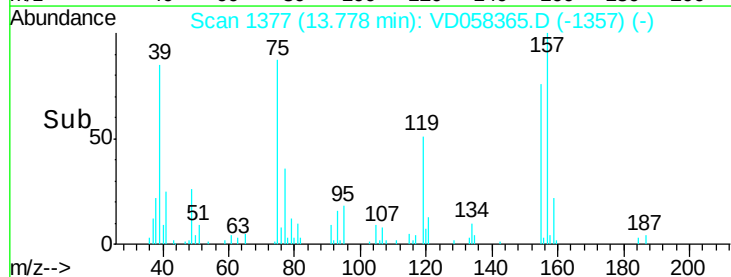
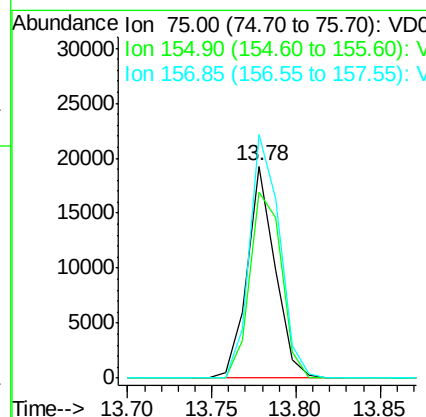
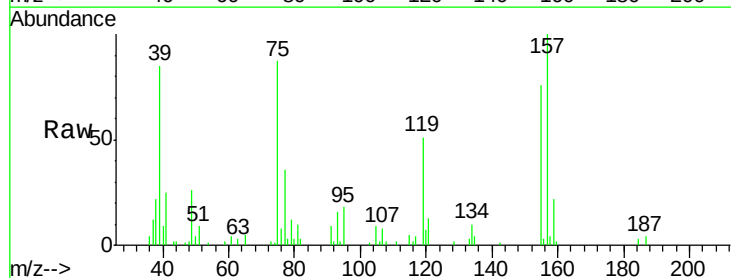
Instrument :
 MSVOA_D
 ClientSampleId :

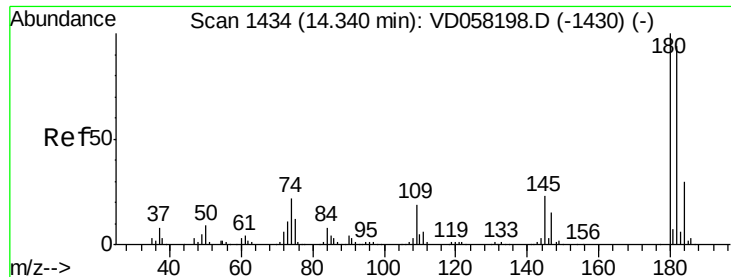
Tot Ion:146 Resp: 305773
 Ion Ratio Lower Upper
 146 100
 111 38.8 19.6 58.7
 148 64.3 32.0 96.2



#92
 1,2-Dibromo-3-Chloropropane
 Concen: 20.175 ug/l
 RT: 13.78 min Scan# 1377
 Delta R.T. -0.00 min
 Lab File: VD058365.D
 Acq: 24 Jun 2018 12:08

Tgt Ion: 75 Resp: 22156
 Ion Ratio Lower Upper
 75 100
 155 87.6 54.5 163.5
 157 114.8 72.0 215.9

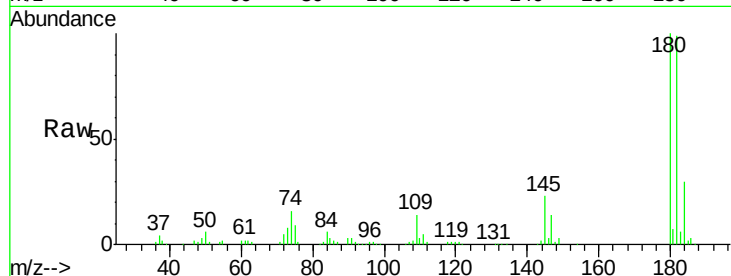




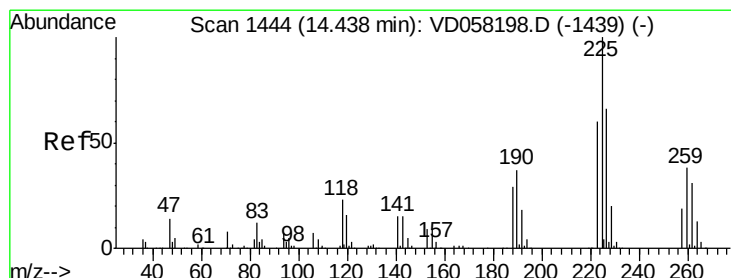
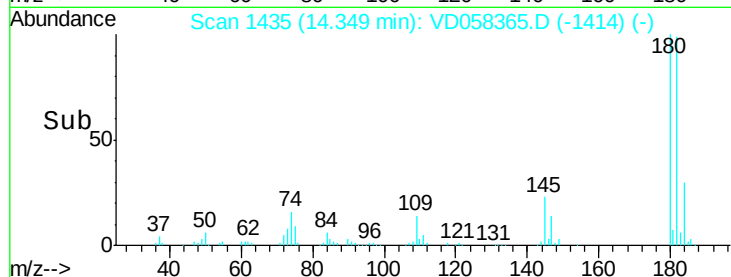
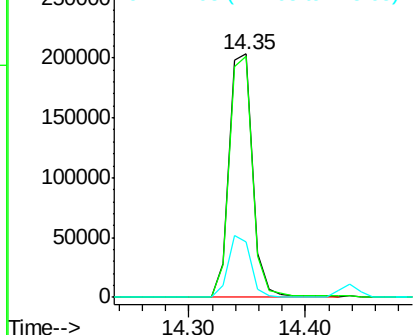
#93
 1,2,4-Trichlorobenzene
 Concen: 22.749 ug/l
 RT: 14.35 min Scan# 1435
 Delta R.T. 0.01 min
 Lab File: VD058365.D
 Acq: 24 Jun 2018 12:08

Instrument :
 MSVOA_D
 ClientSampleID :

Tot Ion:180 Resp: 285760
 Ion Ratio Lower Upper
 180 100
 182 98.8 47.1 141.3
 145 22.7 11.7 35.0

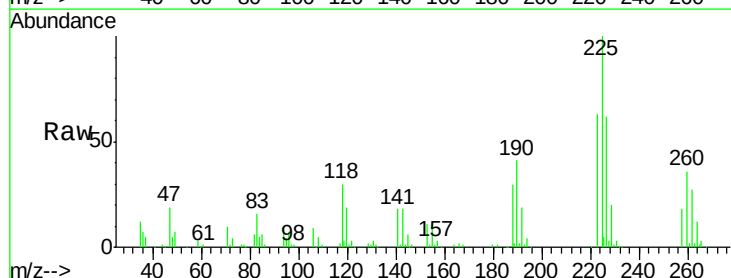


Abundance Ion 179.85 (179.55 to 180.55): V
 Ion 181.85 (181.55 to 182.55): V
 Ion 144.95 (144.65 to 145.65): V

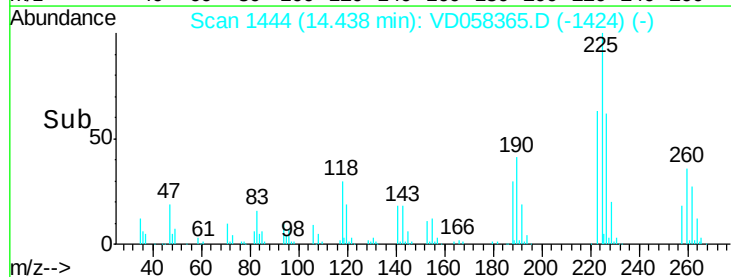
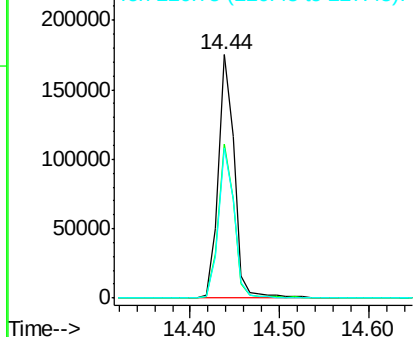


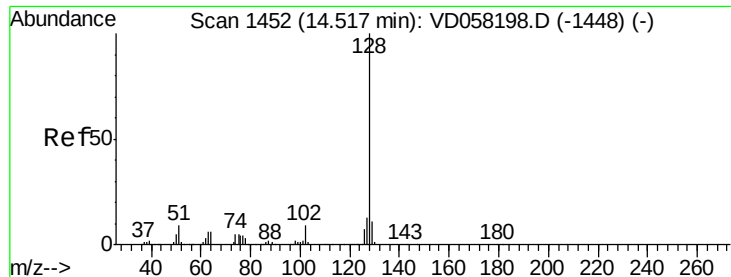
#94
 Hexachlorobutadiene
 Concen: 22.590 ug/l
 RT: 14.44 min Scan# 1444
 Delta R.T. -0.00 min
 Lab File: VD058365.D
 Acq: 24 Jun 2018 12:08

Tgt Ion:225 Resp: 221942
 Ion Ratio Lower Upper
 225 100
 223 63.2 30.1 90.3
 227 61.5 33.0 98.9



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: 21.855 ug/l

RT: 14.52 min Scan# 1452

Delta R.T. -0.00 min

Lab File: VD058365.D

Acq: 24 Jun 2018 12:08

Instrument :

MSVOA_D

ClientSampleId :

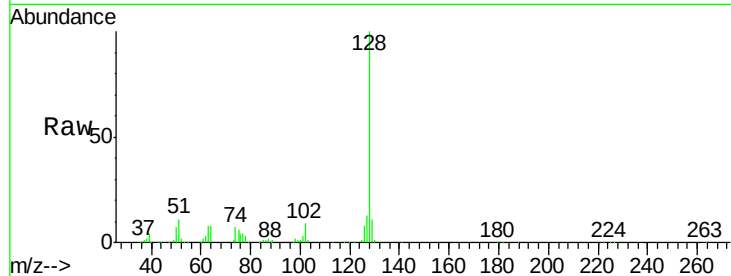
Tot Ion:128 Resp: 361621

Ion Ratio Lower Upper

128 100

127 12.9 10.0 15.0

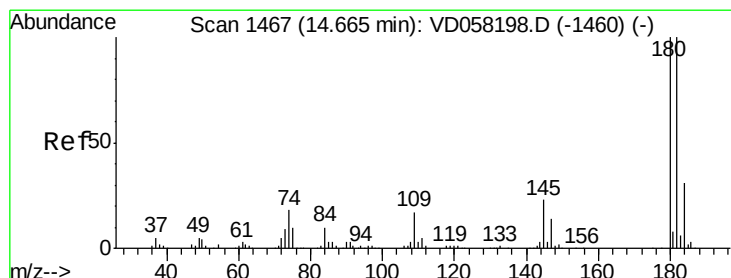
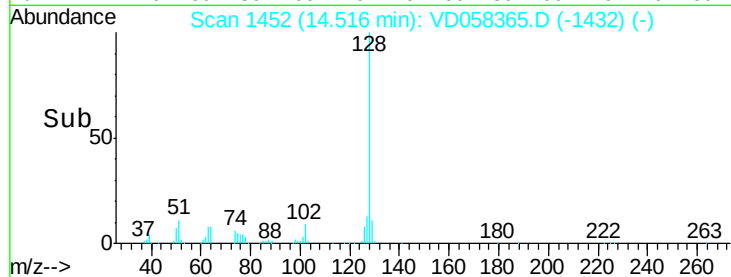
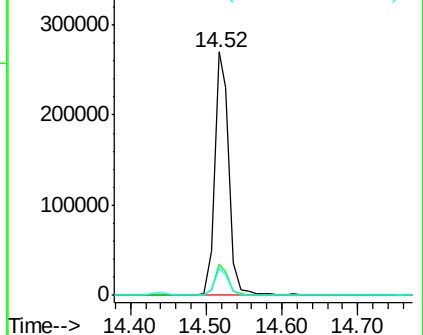
129 11.0 8.7 13.1



Abundance Ion 128.00 (127.70 to 128.70): V

Ion 127.00 (126.70 to 127.70): V

Ion 129.00 (128.70 to 129.70): V



#96

1,2,3-Trichlorobenzene

Concen: 22.124 ug/l

RT: 14.66 min Scan# 1467

Delta R.T. -0.00 min

Lab File: VD058365.D

Acq: 24 Jun 2018 12:08

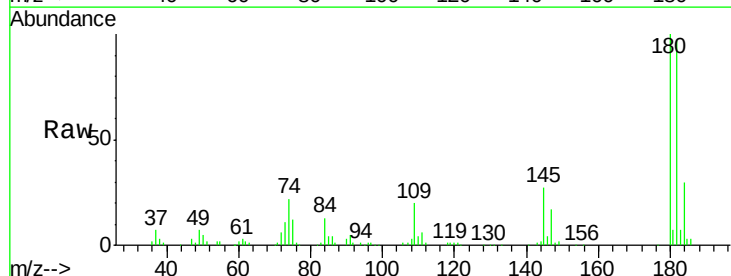
Tgt Ion:180 Resp: 243286

Ion Ratio Lower Upper

180 100

182 97.3 49.9 149.6

145 27.1 11.7 35.1



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

