

Data Path : Z:\VOASRV\HPCHEM1\MSVOA D\DATA\VD062418\
 Data File : VD058366.D
 Acq On : 24 Jun 2018 12:36
 Operator : VA/AP
 Sample : VD0624SBS01
 Misc : 5.00g/5ml/MSVOA D/SOIL
 ALS Vial : 5 Sample Multiplier: 1

Instrument :
 MSVOA_D
 ClientSampleId :

Quant Time: Jun 25 04:00:40 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	984703	50.00	ug/l	0.02
34) 1,4-Difluorobenzene	6.70	114	1210218	50.00	ug/l	0.01
63) Chlorobenzene-d5	10.70	117	987959	50.00	ug/l	0.01
72) 1,4-Dichlorobenzene-d4	12.91	152	521578	50.00	ug/l	0.00

System Monitoring Compounds

33) 1,2-Dichloroethane-d4	6.03	65	526262	52.91	ug/l	0.02
Spiked Amount	50.000		Recovery	=	105.82%	
35) Dibromofluoromethane	5.56	113	547308	55.56	ug/l	0.01
Spiked Amount	50.000		Recovery	=	111.12%	
50) Toluene-d8	8.72	98	1311227	55.02	ug/l	0.01
Spiked Amount	50.000		Recovery	=	110.04%	
62) 4-Bromofluorobenzene	11.94	95	518750	53.29	ug/l	0.01
Spiked Amount	50.000		Recovery	=	106.58%	

Target Compounds

						Qvalue
2) Dichlorodifluoromethane	1.35	85	241549	24.074	ug/l	96
3) Chloromethane	1.49	50	119648	25.728	ug/l #	88
4) Vinyl Chloride	1.56	62	120092	23.281	ug/l	97
5) Bromomethane	1.80	94	34749	17.700	ug/l	100
6) Chloroethane	1.89	64	37673	18.736	ug/l	96
7) Trichlorofluoromethane	2.08	101	154833	21.891	ug/l	95
8) Diethyl Ether	2.35	74	33763	22.569	ug/l	93
9) 1,1,2-Trichlorotrifluoroet	2.57	101	96278	21.412	ug/l	94
10) Methyl Iodide	2.69	142	108224	21.160	ug/l	96
11) Tert butyl alcohol	3.29	59	31398	95.713	ug/l #	95
12) 1,1-Dichloroethene	2.55	96	74660	22.069	ug/l	90
13) Acrolein	2.49	56	19532	104.300	ug/l #	75
14) Allyl chloride	2.93	41	175728	22.318	ug/l	97
15) Acrylonitrile	3.38	53	128462	147.687	ug/l	97
16) Acetone	2.62	43	150487	110.634	ug/l	100
17) Carbon Disulfide	2.76	76	232562	20.205	ug/l	98
18) Methyl Acetate	2.95	43	50141	17.285	ug/l	95
19) Methyl tert-butyl Ether	3.41	73	357242	39.813	ug/l	99
20) Methylene Chloride	3.08	84	82394	20.380	ug/l	98
21) trans-1,2-Dichloroethene	3.39	96	163650	44.262	ug/l	88
22) Diisopropyl ether	4.08	45	653856	20.908	ug/l	99
23) Vinyl Acetate	4.02	43	1753295	104.588	ug/l	99
24) 1,1-Dichloroethane	3.98	63	369425	21.927	ug/l	99
25) 2-Butanone	4.85	43	300323	101.301	ug/l	99
26) 2,2-Dichloropropane	4.81	77	322024	22.827	ug/l	98
27) cis-1,2-Dichloroethene	4.82	96	216977	23.484	ug/l	93
28) Bromochloromethane	5.16	49	158850	21.033	ug/l	92
29) Tetrahydrofuran	5.20	42	151926	96.277	ug/l	98
30) Chloroform	5.33	83	386869	21.751	ug/l	96
31) Cyclohexane	5.60	56	300446	21.592	ug/l	95
32) 1,1,1-Trichloroethane	5.52	97	327543	22.289	ug/l	96
36) 1,1-Dichloropropene	5.76	75	284094	23.729	ug/l	96
37) Ethyl Acetate	4.93	43	144580	21.195	ug/l	99
38) Carbon Tetrachloride	5.74	117	281713	23.682	ug/l	96

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 MSVOA_D
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Quant Time: Jun 25 04:00:40 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)
39) Methylcyclohexane	7.29	83	277619	23.807	ug/l	96
40) Benzene	6.02	78	634357	22.243	ug/l	99
41) Methacrylonitrile	5.14	41	74818	22.714	ug/l	96
42) 1,2-Dichloroethane	6.14	62	257495	22.392	ug/l	100
43) Isopropyl Acetate	7.63	43	191419	21.048	ug/l #	99
44) Trichloroethene	7.00	130	222080	25.933	ug/l	99
45) 1,2-Dichloropropane	7.36	63	174099	22.668	ug/l	98
46) Dibromomethane	7.48	93	116810	22.278	ug/l	95
47) Bromodichloromethane	7.75	83	279041	23.338	ug/l #	95
48) Methyl methacrylate	7.52	41	119429	21.607	ug/l	94
49) 1,4-Dioxane	7.50	88	23089	462.772	ug/l	95
51) 4-Methyl-2-Pentanone	8.61	43	639957	107.884	ug/l	97
52) Toluene	8.82	92	375650	23.132	ug/l	95
53) t-1,3-Dichloropropene	9.20	75	233205	22.434	ug/l	96
54) cis-1,3-Dichloropropene	8.37	75	273495	22.442	ug/l	99
55) 1,1,2-Trichloroethane	9.47	97	124824	21.726	ug/l	93
56) Ethyl methacrylate	9.33	69	150823	21.950	ug/l	99
57) 1,3-Dichloropropane	9.67	76	215156	22.232	ug/l	96
58) 2-Chloroethyl Vinyl ether	8.20	63	390850	114.902	ug/l	94
59) 2-Hexanone	9.80	43	490647	114.469	ug/l	95
60) Dibromochloromethane	9.97	129	175975	22.569	ug/l	98
61) 1,2-Dibromoethane	10.11	107	139948	22.255	ug/l	93
64) Tetrachloroethene	9.53	164	196715	23.664	ug/l	98
65) Chlorobenzene	10.74	112	434324	23.502	ug/l	99
66) 1,1,1,2-Tetrachloroethane	10.86	131	160119	22.452	ug/l	96
67) Ethyl Benzene	10.87	91	723438	22.174	ug/l	99
68) m/p-Xylenes	11.02	106	521634	47.944	ug/l	98
69) o-Xylene	11.42	106	252257	24.275	ug/l	98
70) Styrene	11.45	104	417894	23.567	ug/l	98
71) Bromoform	11.61	173	126822	22.292	ug/l	95
73) Isopropylbenzene	11.78	105	712662	22.843	ug/l	100
74) N-amyl acetate	11.65	43	254100	21.065	ug/l	99
75) 1,1,2,2-Tetrachloroethane	12.09	83	154023	21.215	ug/l	95
76) 1,2,3-Trichloropropane	12.12	75	166606	21.878	ug/l	98
77) Bromobenzene	12.05	156	211881	22.680	ug/l	82
78) n-propylbenzene	12.16	91	947262	23.512	ug/l	100
79) 2-Chlorotoluene	12.22	91	521039	22.600	ug/l	97
80) 1,3,5-Trimethylbenzene	12.33	105	561427	23.072	ug/l	98
81) trans-1,4-Dichloro-2-buten	11.85	75	35619	19.178	ug/l	94
82) 4-Chlorotoluene	12.33	91	594123	23.567	ug/l	91
83) tert-Butylbenzene	12.59	119	641294	22.923	ug/l	97
84) 1,2,4-Trimethylbenzene	12.64	105	604022	22.836	ug/l	95
85) sec-Butylbenzene	12.77	105	769795	23.475	ug/l	97
86) p-Isopropyltoluene	12.89	119	643488	24.215	ug/l	97
87) 1,3-Dichlorobenzene	12.85	146	376318	23.176	ug/l	98
88) 1,4-Dichlorobenzene	12.93	146	365053	23.022	ug/l	94
89) n-Butylbenzene	13.21	91	670545	24.009	ug/l	98
90) Hexachloroethane	13.41	117	156677	22.716	ug/l	67
91) 1,2-Dichlorobenzene	13.20	146	318853	23.075	ug/l	98
92) 1,2-Dibromo-3-Chloropropan	13.78	75	27264	23.596	ug/l	69

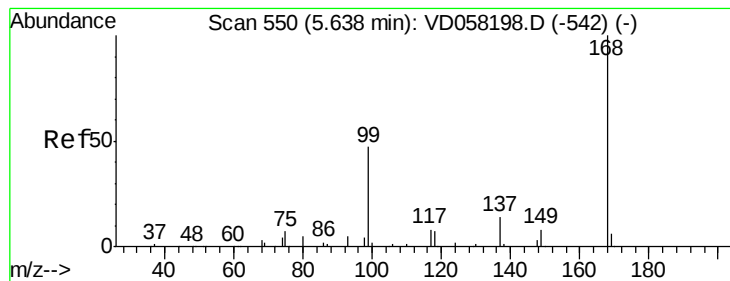
Data Path : Z:\V0ASRV\HPCHEM1\MSVOA D\DATA\VD062418\
Data File : VD058366.D
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ClientSampleId :

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Quant Method : Z:\V0ASRV\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)
93) 1,2,4-Trichlorobenzene	14.35	180	283723	21.468	ug/l	96
94) Hexachlorobutadiene	14.44	225	226882	21.949	ug/l	98
95) Naphthalene	14.53	128	361287	20.753	ug/l	99
96) 1,2,3-Trichlorobenzene	14.67	180	254004	21.954	ug/l	94

(#) = 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: VD058366.D

Acq: 24 Jun 2018 12:36

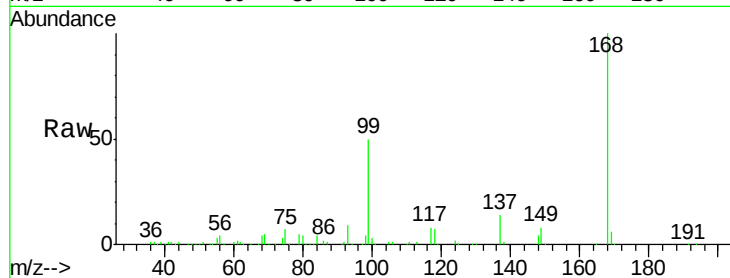
Instrument :
MSVOA_D
ClientSampleId :

Tot Ion:168 Resp: 984703

Ion Ratio Lower Upper

168 100

99 50.1 41.1 61.7



Abundance Ion 167.90 (167.60 to 168.60): V

Ion 98.95 (98.65 to 99.65): VDC

5.66

300000

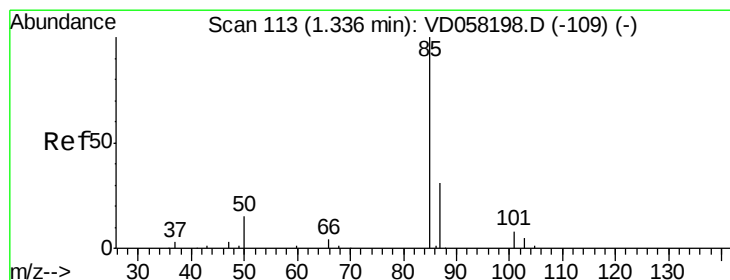
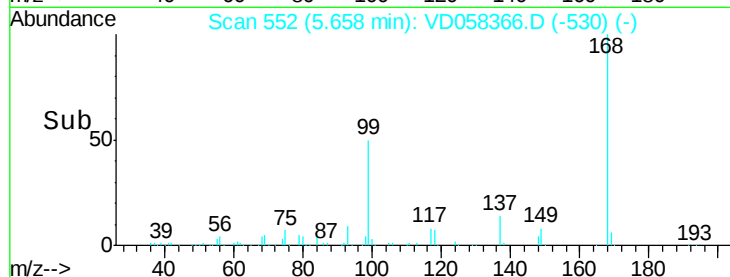
200000

100000

0

Time-->

5.50 5.60 5.70 5.80



#2

Dichlorodifluoromethane

Concen: 24.074 ug/l

RT: 1.35 min Scan# 114

Delta R.T. 0.01 min

Lab File: VD058366.D

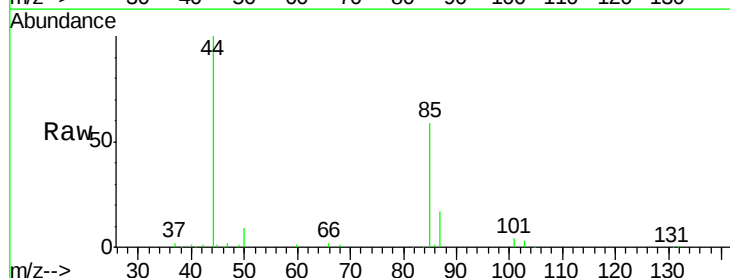
Acq: 24 Jun 2018 12:36

Tgt Ion: 85 Resp: 241549

Ion Ratio Lower Upper

85 100

87 29.1 15.7 47.0



Abundance Ion 84.95 (84.65 to 85.65): VDC

Ion 86.90 (86.60 to 87.60): VDC

1.35

100000

80000

60000

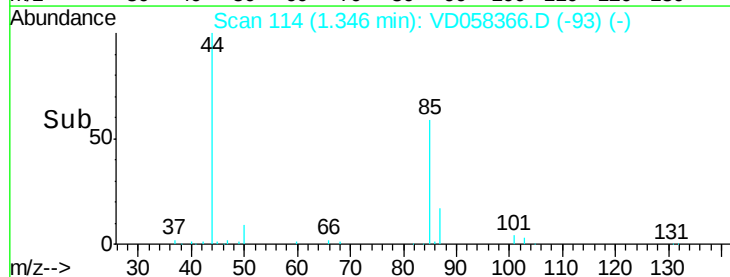
40000

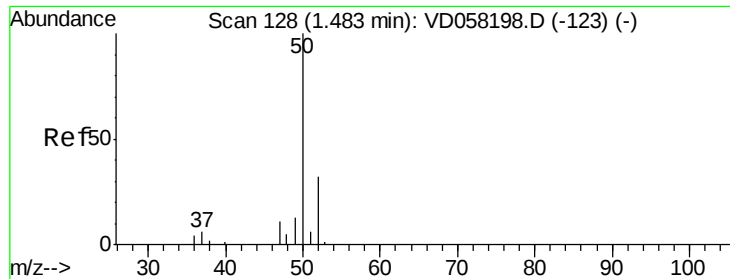
20000

0

Time-->

1.30 1.40 1.50

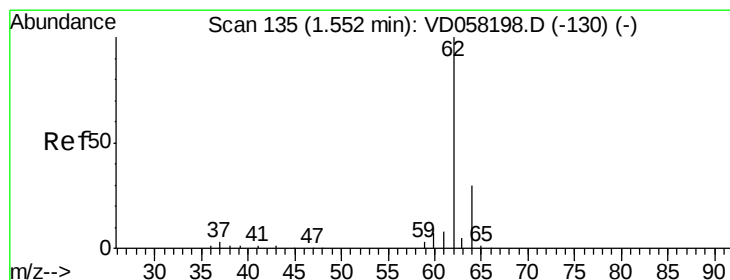
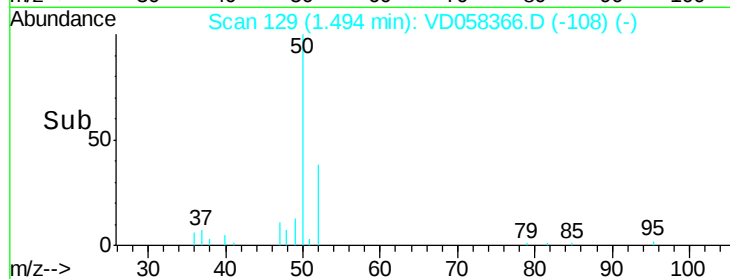
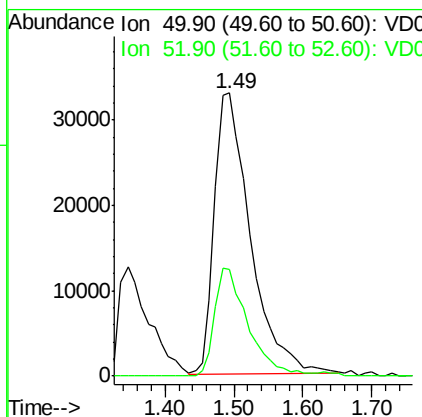
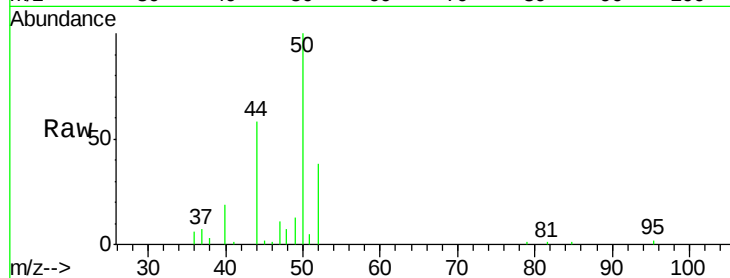




#3
Chloromethane
Concen: 25.728 ug/l
RT: 1.49 min Scan# 129
Delta R.T. 0.01 min
Lab File: VD058366.D
Acq: 24 Jun 2018 12:36

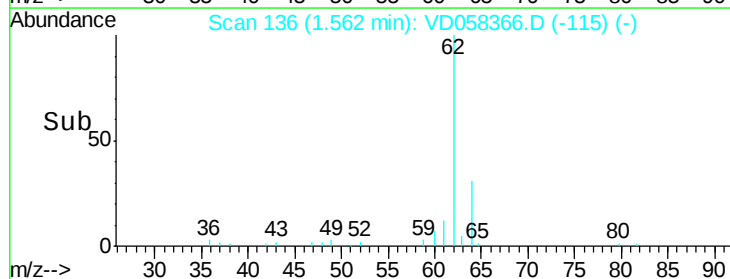
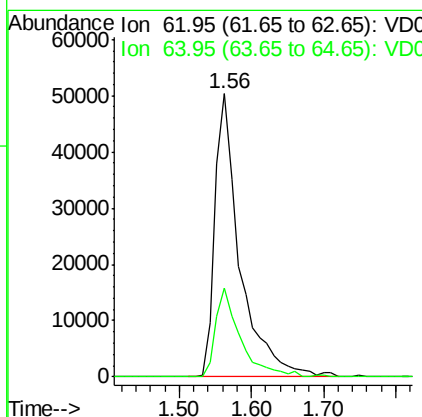
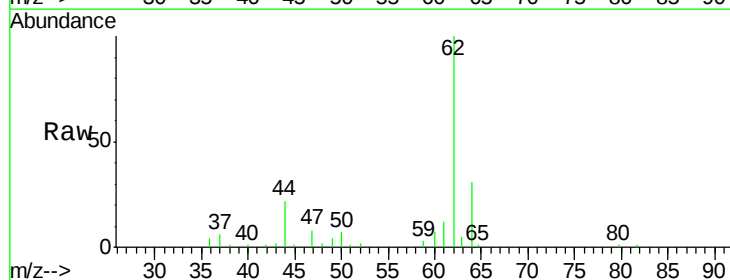
Instrument :
MSVOA_D
ClientSampleId :

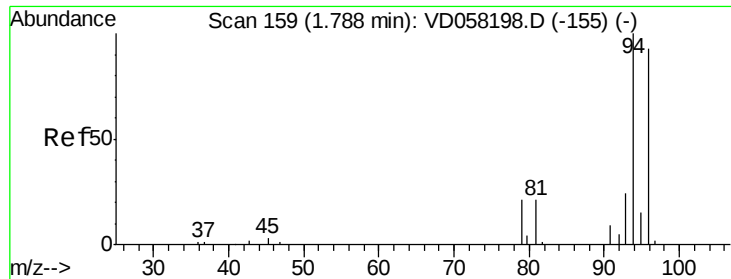
Tot Ion: 50 Resp: 119648
Ion Ratio Lower Upper
50 100
52 37.7 25.0 37.4#



#4
Vinyl Chloride
Concen: 23.281 ug/l
RT: 1.56 min Scan# 136
Delta R.T. 0.01 min
Lab File: VD058366.D
Acq: 24 Jun 2018 12:36

Tgt Ion: 62 Resp: 120092
Ion Ratio Lower Upper
62 100
64 32.2 24.4 36.6





#5

Bromomethane

Concen: 17.700 ug/l

RT: 1.80 min Scan# 160

Delta R.T. 0.01 min

Lab File: VD058366.D

Acq: 24 Jun 2018 12:36

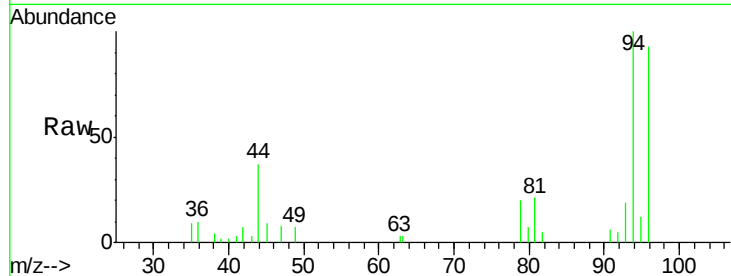
Instrument :
MSVOA_D
ClientSampleId :

Tot Ion: 94 Resp: 34749

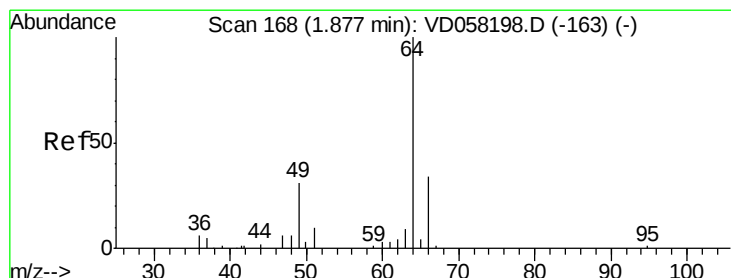
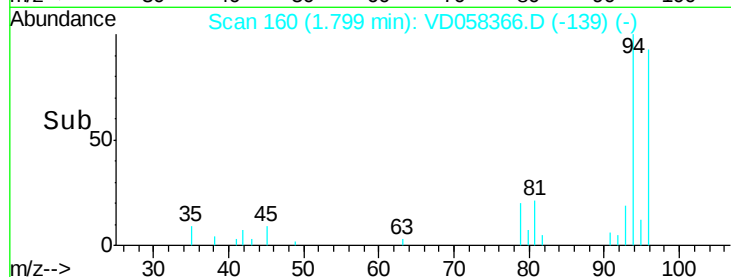
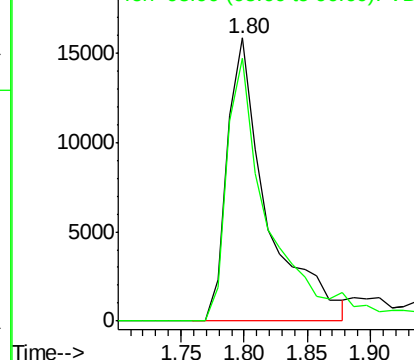
Ion Ratio Lower Upper

94 100

96 92.9 74.2 111.2



Abundance Ion 93.90 (93.60 to 94.60): VDC
Ion 95.90 (95.60 to 96.60): VDC



#6

Chloroethane

Concen: 18.736 ug/l

RT: 1.89 min Scan# 169

Delta R.T. 0.01 min

Lab File: VD058366.D

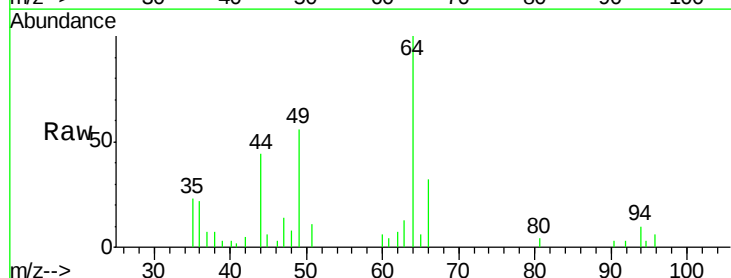
Acq: 24 Jun 2018 12:36

Tgt Ion: 64 Resp: 37673

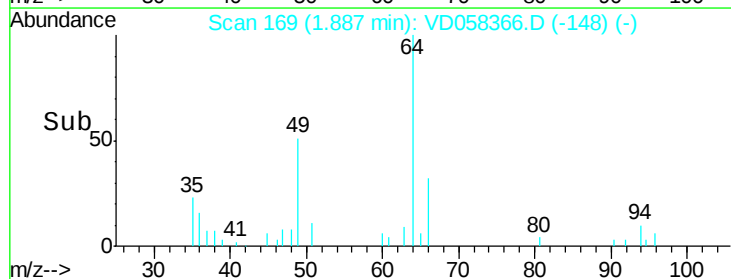
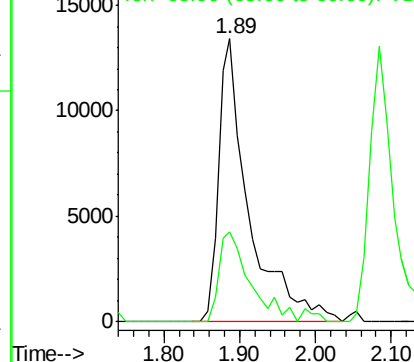
Ion Ratio Lower Upper

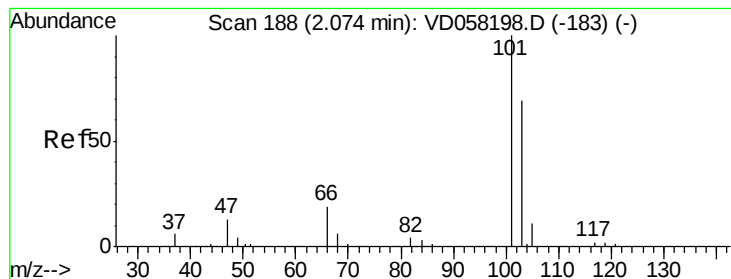
64 100

66 31.6 27.3 40.9



Abundance Ion 63.95 (63.65 to 64.65): VDC
Ion 65.90 (65.60 to 66.60): VDC



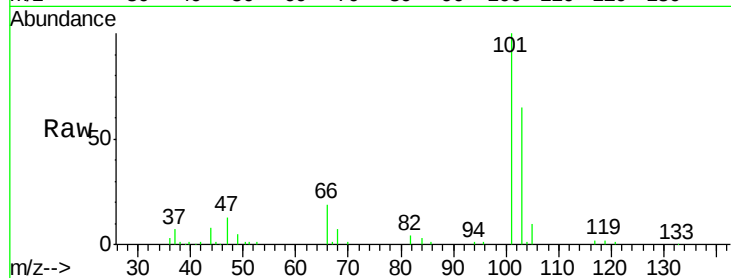


#7

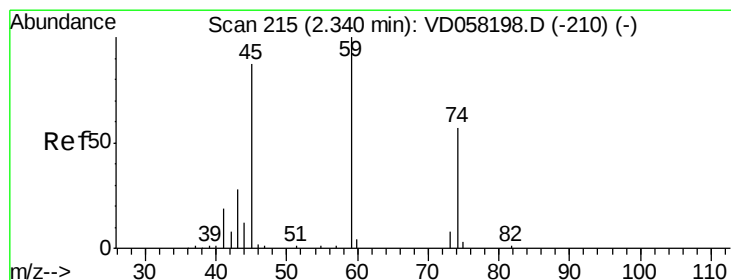
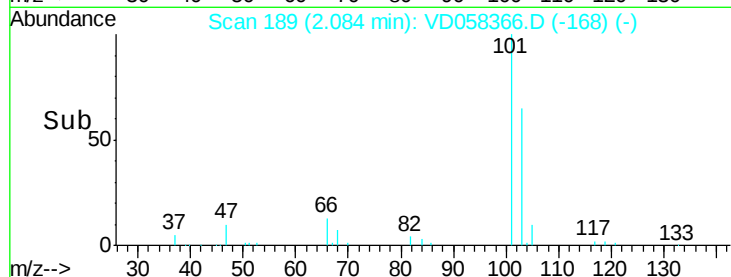
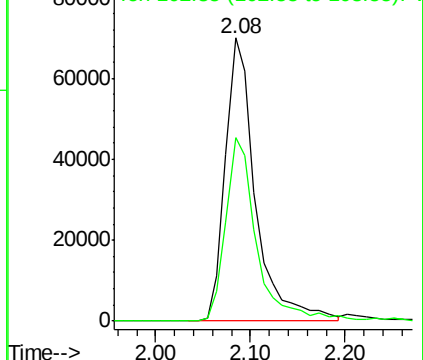
Trichlorofluoromethane
Concen: 21.891 ug/l
RT: 2.08 min Scan# 189
Delta R.T. 0.01 min
Lab File: VD058366.D
Acq: 24 Jun 2018 12:36

Instrument :
MSVOA_D
ClientSampleId :

Tot Ion:101 Resp: 154833
Ion Ratio Lower Upper
101 100
103 65.0 55.1 82.7



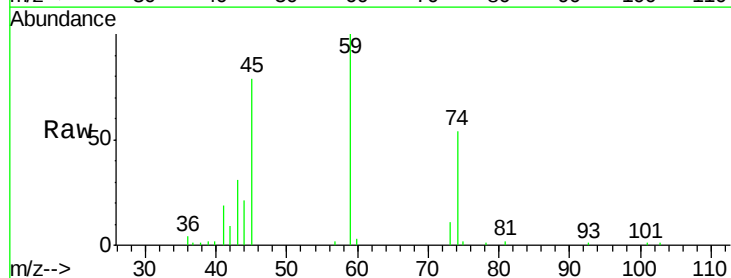
Abundance Ion 100.85 (100.55 to 101.55): V
Ion 102.85 (102.55 to 103.55): V



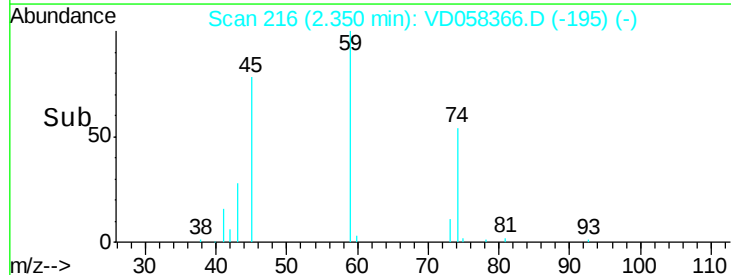
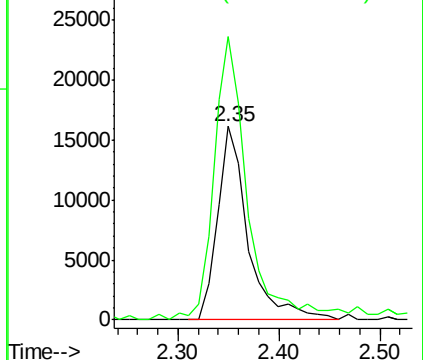
#8

Diethyl Ether
Concen: 22.569 ug/l
RT: 2.35 min Scan# 216
Delta R.T. 0.01 min
Lab File: VD058366.D
Acq: 24 Jun 2018 12:36

Tgt Ion: 74 Resp: 33763
Ion Ratio Lower Upper
74 100
45 146.4 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: 21.412 ug/l

RT: 2.57 min Scan# 238

Delta R.T. 0.02 min

Lab File: VD058366.D

Acq: 24 Jun 2018 12:36

Instrument :

MSVOA_D

ClientSampled :

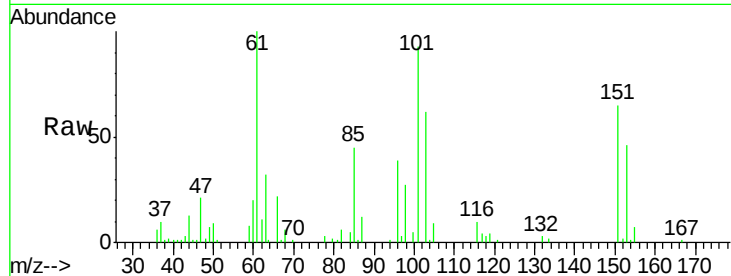
Tot Ion:101 Resp: 96278

Ion Ratio Lower Upper

101 100

85 48.0 39.0 58.4

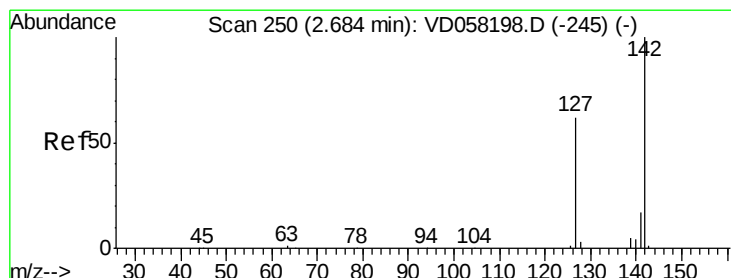
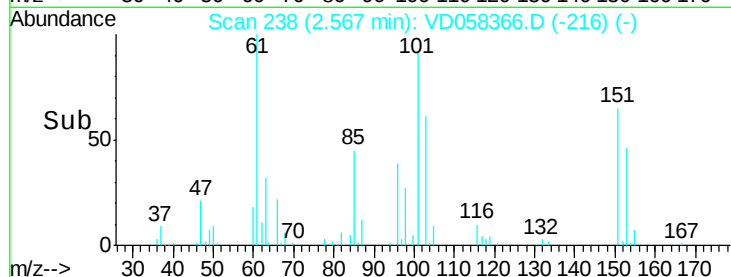
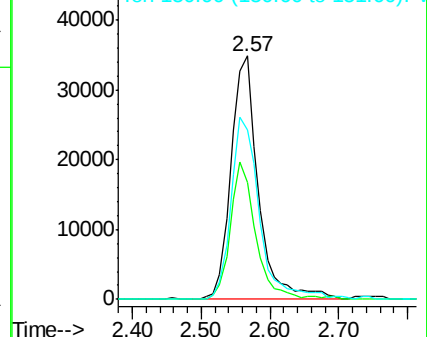
151 69.7 61.8 92.8



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: 21.160 ug/l

RT: 2.69 min Scan# 251

Delta R.T. 0.01 min

Lab File: VD058366.D

Acq: 24 Jun 2018 12:36

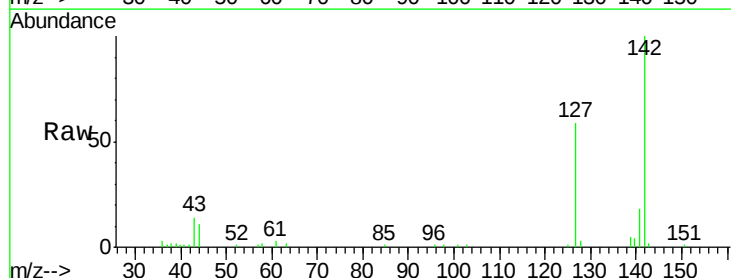
Tgt Ion:142 Resp: 108224

Ion Ratio Lower Upper

142 100

127 58.5 49.4 74.0

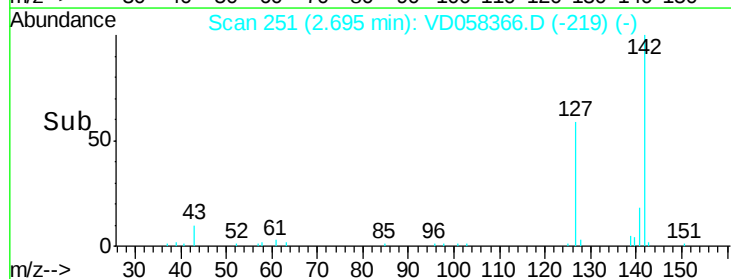
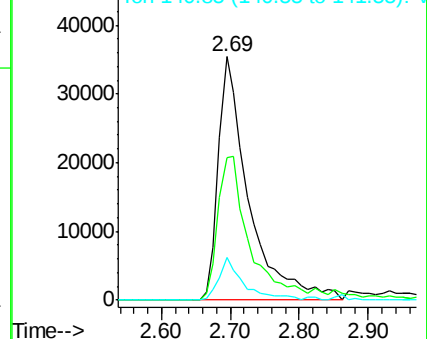
141 17.6 13.5 20.3



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



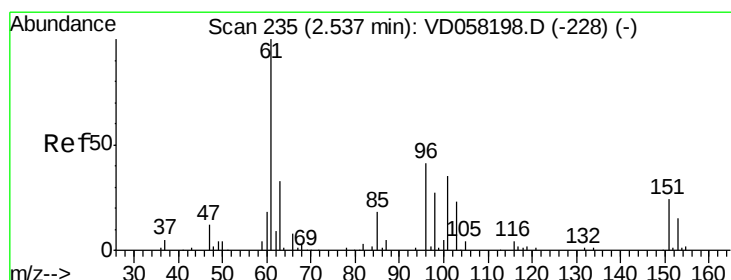
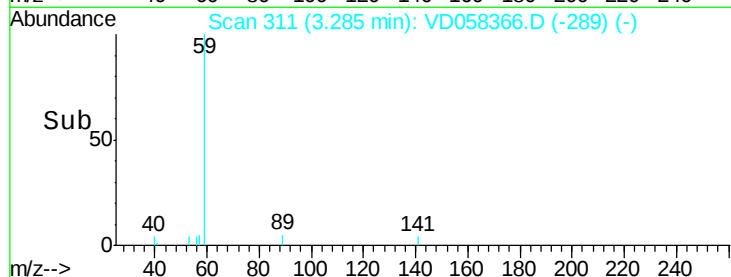
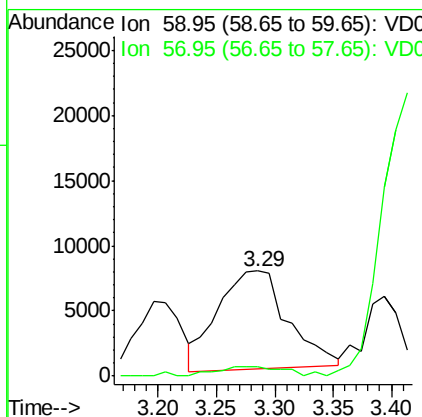
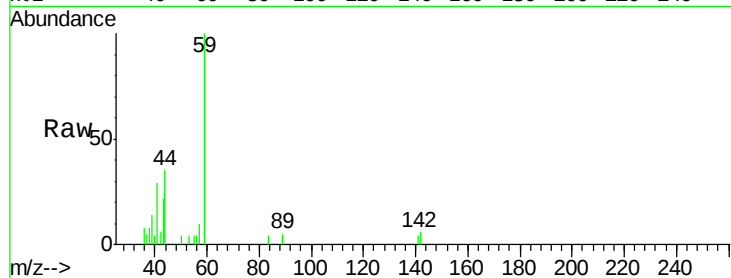


#11

Tert butyl alcohol
 Concen: 95.713 ug/l
 RT: 3.29 min Scan# 311
 Delta R.T. 0.02 min
 Lab File: VD058366.D
 Acq: 24 Jun 2018 12:36

Instrument :
 MSVOA_D
 ClientSampleId :

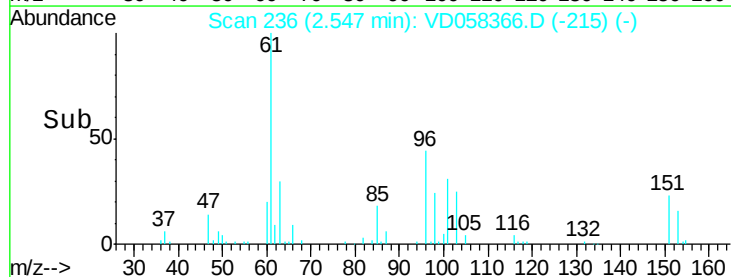
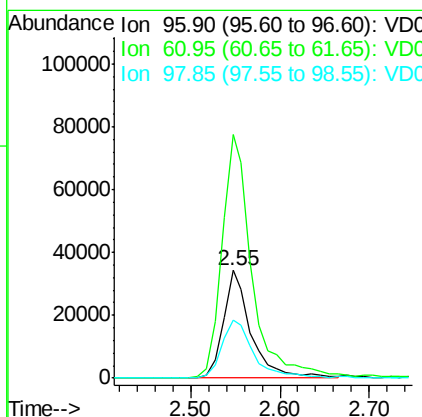
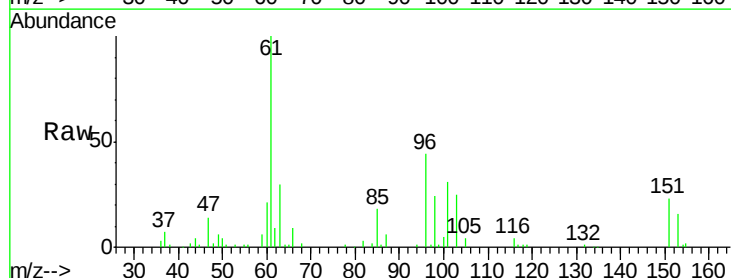
Tot Ion: 59 Resp: 31398
 Ion Ratio Lower Upper
 59 100
 57 9.6 6.2 9.4#

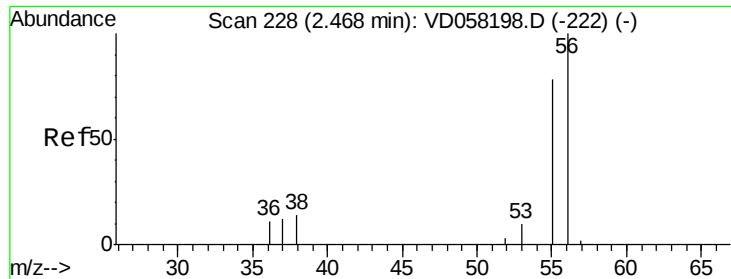


#12

1,1-Dichloroethene
 Concen: 22.069 ug/l
 RT: 2.55 min Scan# 236
 Delta R.T. 0.01 min
 Lab File: VD058366.D
 Acq: 24 Jun 2018 12:36

Tgt Ion: 96 Resp: 74660
 Ion Ratio Lower Upper
 96 100
 61 226.3 193.9 290.9
 98 54.3 51.7 77.5

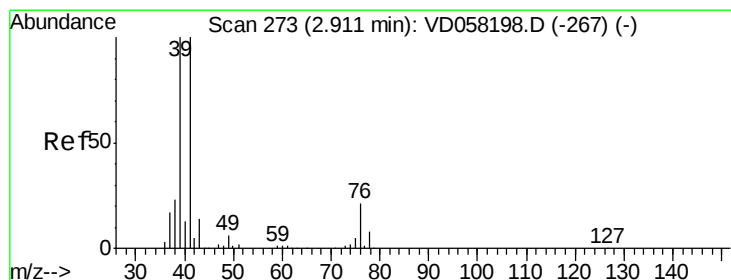
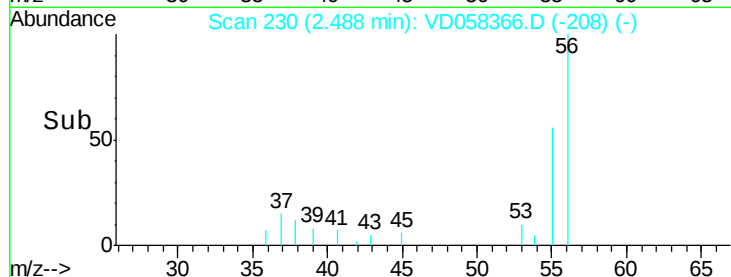
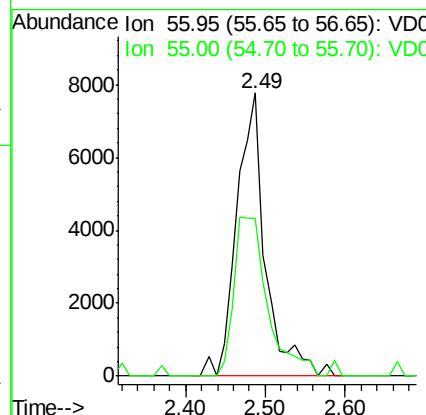
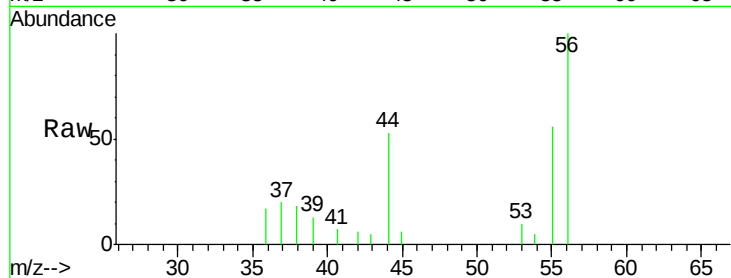




#13
Acrolein
Concen: 104.300 ug/l
RT: 2.49 min Scan# 230
Delta R.T. 0.02 min
Lab File: VD058366.D
Acq: 24 Jun 2018 12:36

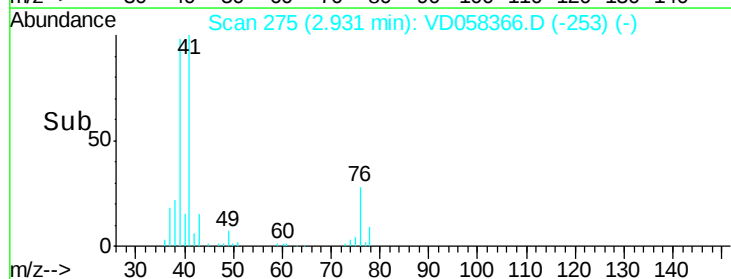
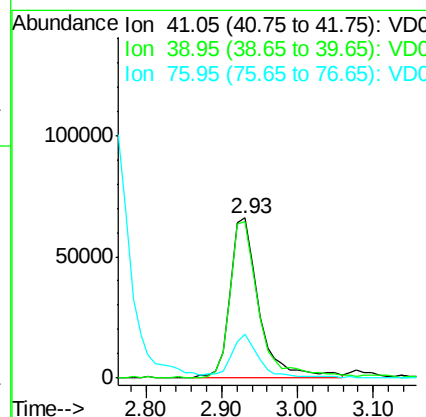
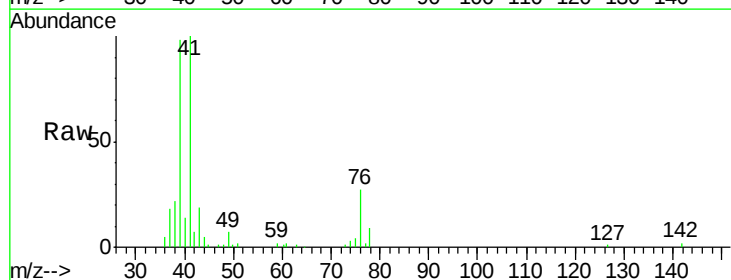
Instrument :
MSVOA_D
ClientSampled :

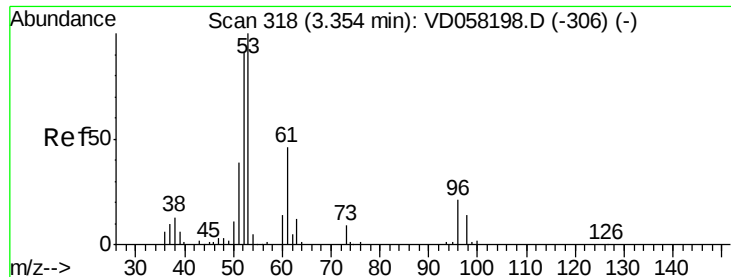
Tot Ion: 56 Resp: 19532
Ion Ratio Lower Upper
56 100
55 55.6 62.1 93.1#



#14
Allyl chloride
Concen: 22.318 ug/l
RT: 2.93 min Scan# 275
Delta R.T. 0.02 min
Lab File: VD058366.D
Acq: 24 Jun 2018 12:36

Tgt Ion: 41 Resp: 175728
Ion Ratio Lower Upper
41 100
39 97.8 80.1 120.1
76 27.4 19.4 29.2





#15

Acrylonitrile

Concen: 147.687 ug/l

RT: 3.38 min Scan# 321

Delta R.T. 0.03 min

Lab File: VD058366.D

Acq: 24 Jun 2018 12:36

Instrument :

MSVOA_D

ClientSampleId :

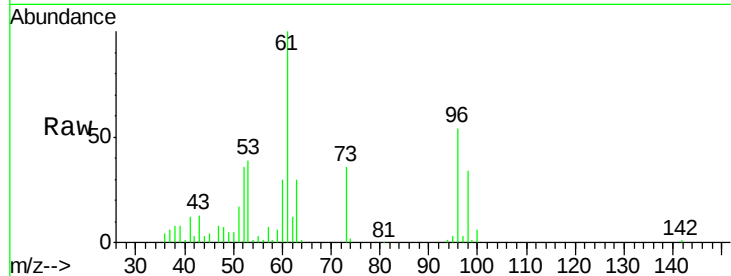
Tot Ion: 53 Resp: 128462

Ion Ratio Lower Upper

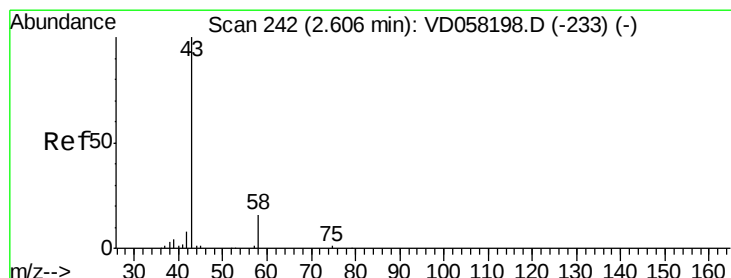
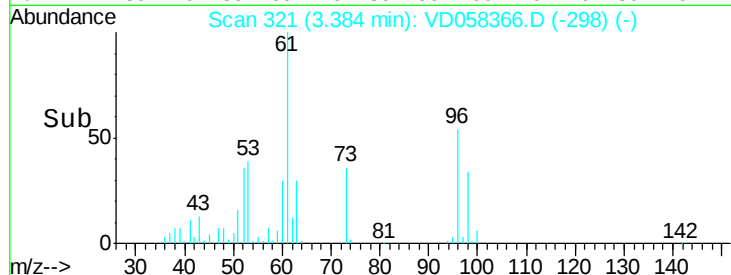
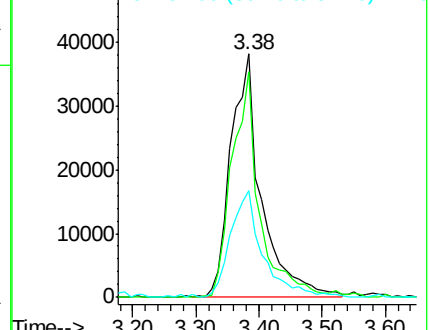
53 100

52 92.7 72.6 108.8

51 43.6 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: 110.634 ug/l

RT: 2.62 min Scan# 243

Delta R.T. 0.01 min

Lab File: VD058366.D

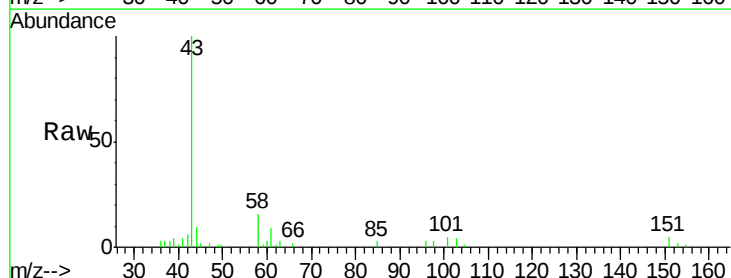
Acq: 24 Jun 2018 12:36

Tgt Ion: 43 Resp: 150487

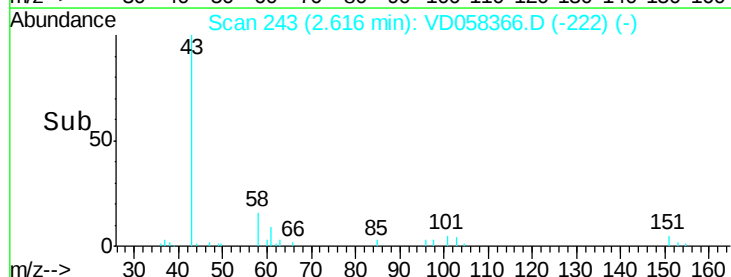
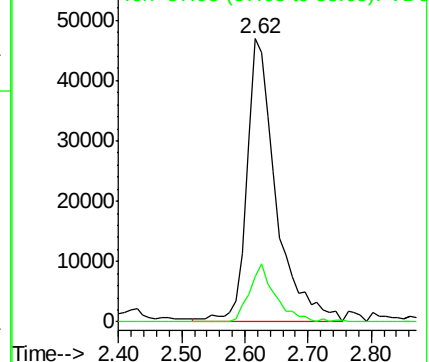
Ion Ratio Lower Upper

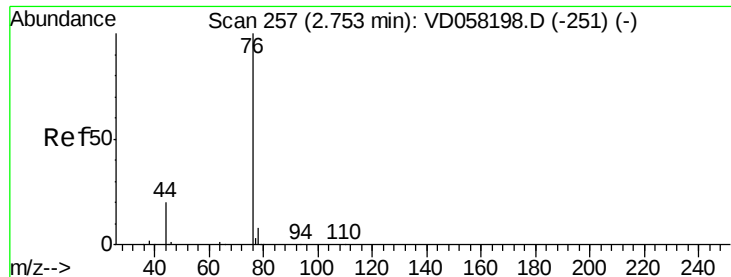
43 100

58 15.8 12.7 19.1



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

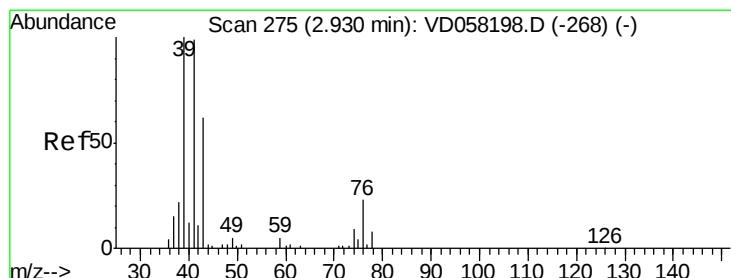
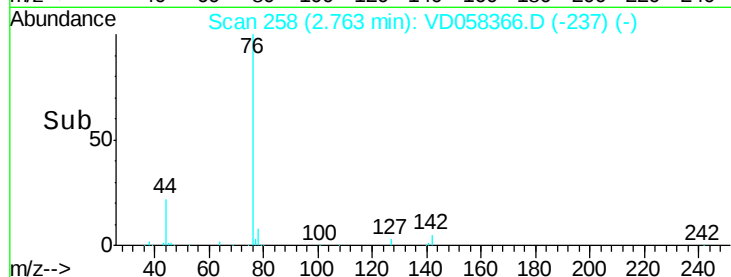
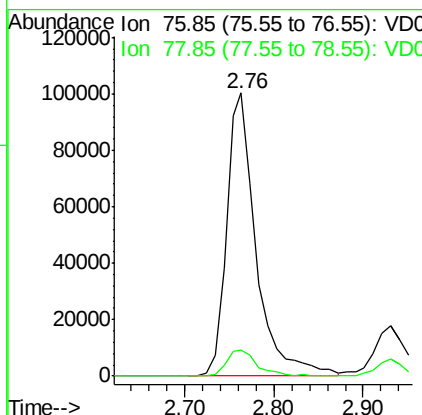
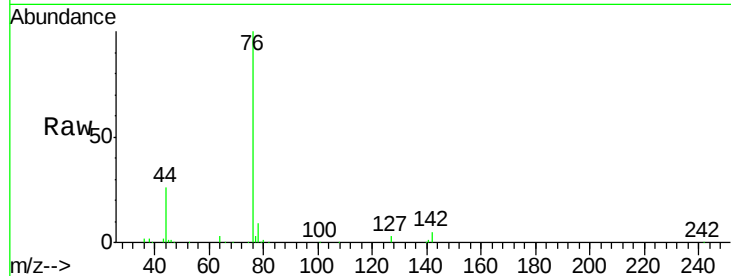




#17
Carbon Disulfide
Concen: 20.205 ug/l
RT: 2.76 min Scan# 258
Delta R.T. 0.01 min
Lab File: VD058366.D
Acq: 24 Jun 2018 12:36

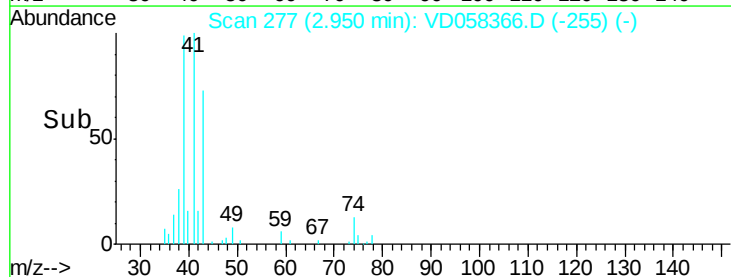
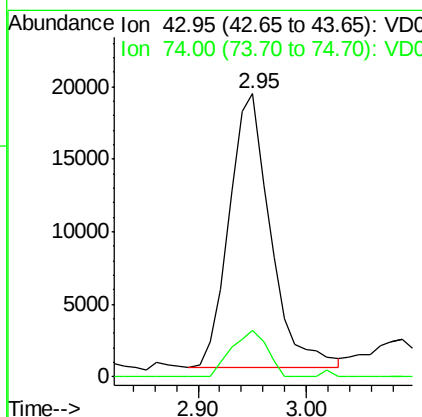
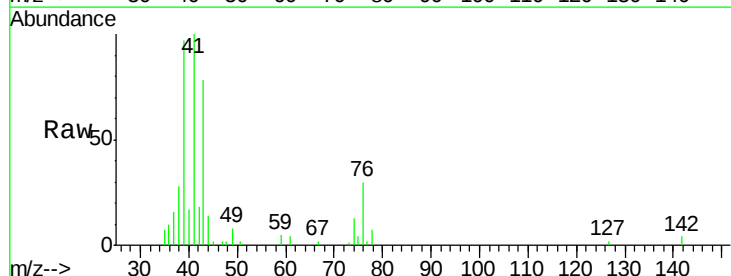
Instrument :
MSVOA_D
ClientSampled :

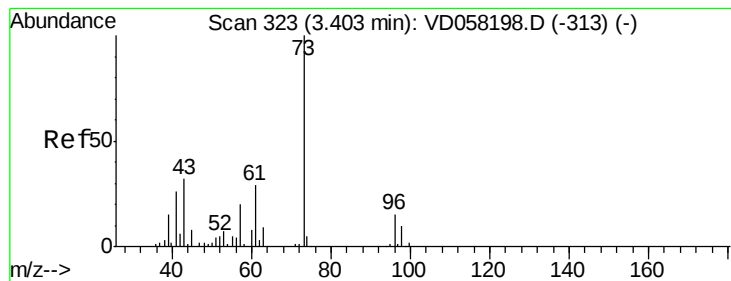
Tot Ion: 76 Resp: 232562
Ion Ratio Lower Upper
76 100
78 9.3 6.8 10.2



#18
Methyl Acetate
Concen: 17.285 ug/l
RT: 2.95 min Scan# 277
Delta R.T. 0.02 min
Lab File: VD058366.D
Acq: 24 Jun 2018 12:36

Tgt Ion: 43 Resp: 50141
Ion Ratio Lower Upper
43 100
74 16.6 11.7 17.5



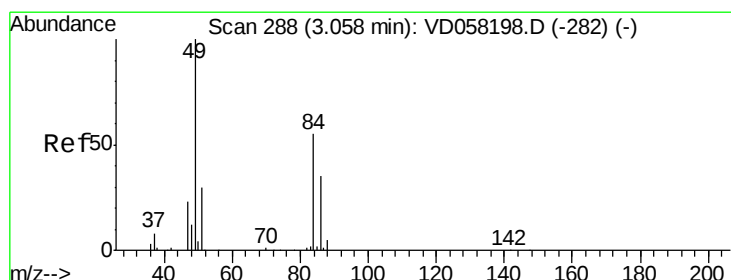
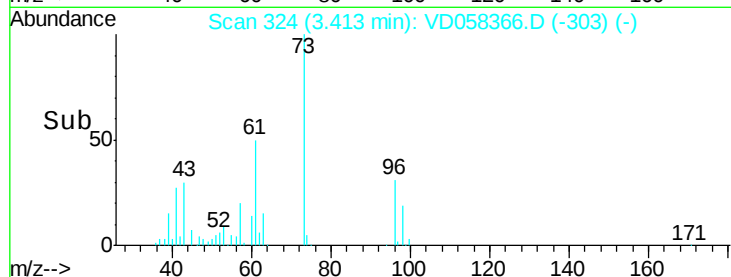
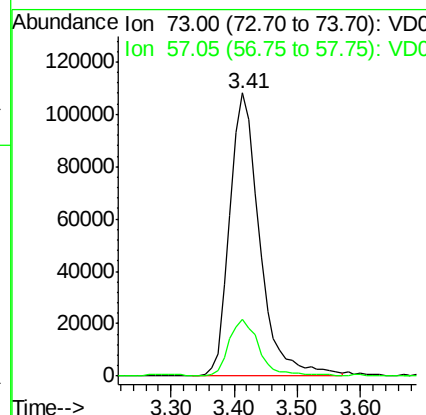
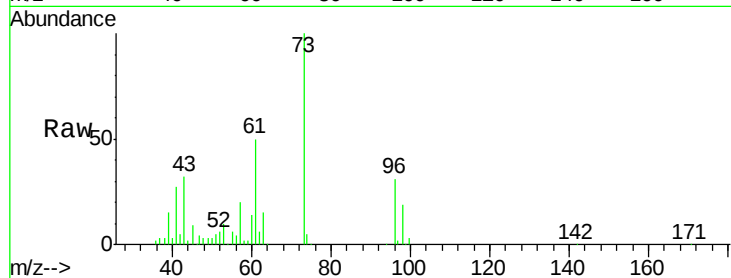


#19

Methyl tert-butyl Ether
 Concen: 39.813 ug/l
 RT: 3.41 min Scan# 324
 Delta R.T. 0.01 min
 Lab File: VD058366.D
 Acq: 24 Jun 2018 12:36

Instrument :
 MSVOA_D
 ClientSampled :

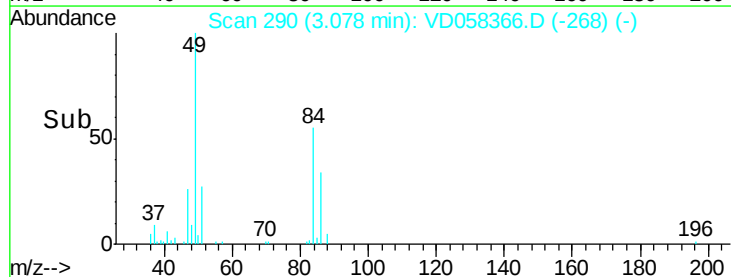
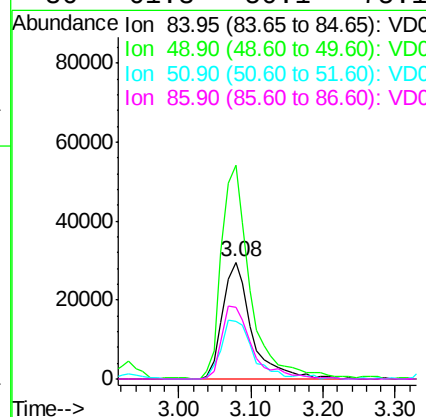
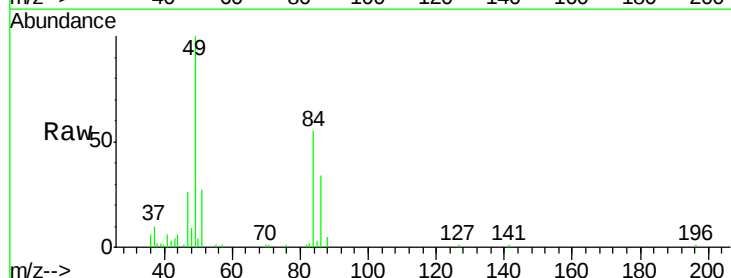
Tot Ion: 73 Resp: 357242
 Ion Ratio Lower Upper
 73 100
 57 20.1 16.6 24.8

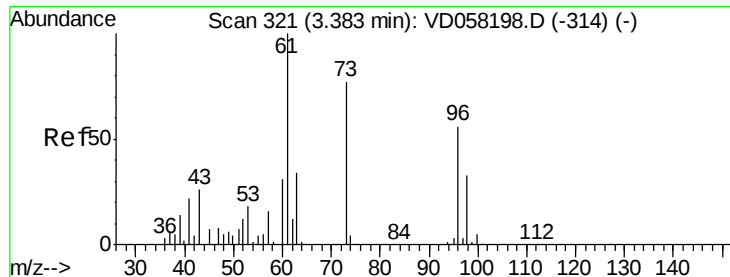


#20

Methylene Chloride
 Concen: 20.380 ug/l
 RT: 3.08 min Scan# 290
 Delta R.T. 0.02 min
 Lab File: VD058366.D
 Acq: 24 Jun 2018 12:36

Tgt Ion: 84 Resp: 82394
 Ion Ratio Lower Upper
 84 100
 49 182.3 145.0 217.6
 51 48.8 42.9 64.3
 86 61.3 50.1 75.1





#21

trans-1,2-Dichloroethene

Concen: 44.262 ug/l

RT: 3.39 min Scan# 322

Delta R.T. 0.01 min

Lab File: VD058366.D

Acq: 24 Jun 2018 12:36

Instrument :
MSVOA_D
ClientSampled :

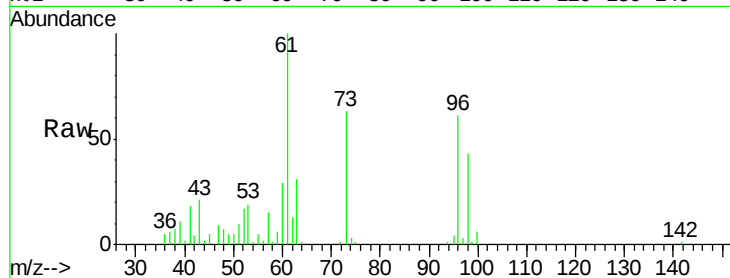
Tot Ion: 96 Resp: 163650

Ion Ratio Lower Upper

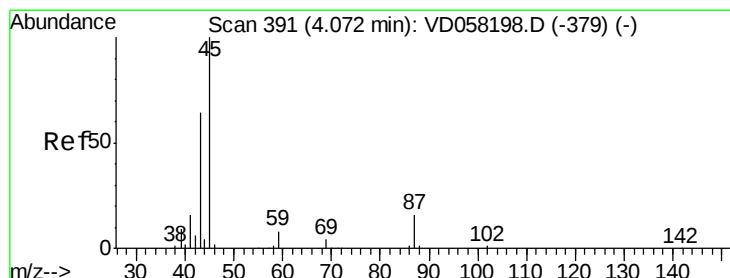
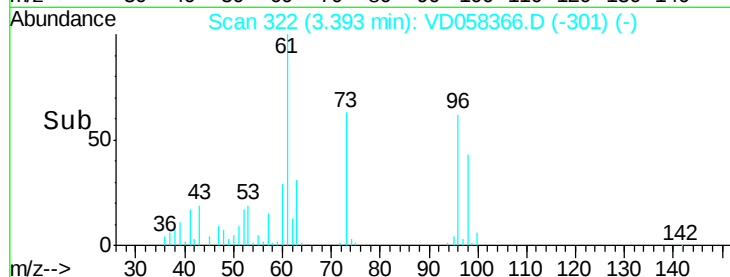
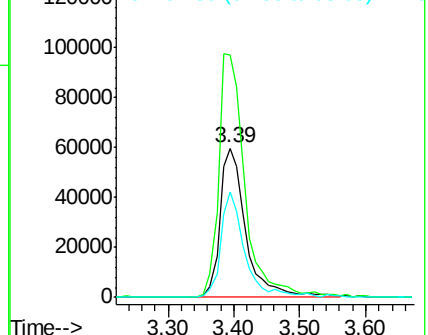
96 100

61 162.7 143.8 215.6

98 70.3 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: 20.908 ug/l

RT: 4.08 min Scan# 392

Delta R.T. 0.01 min

Lab File: VD058366.D

Acq: 24 Jun 2018 12:36

Tgt Ion: 45 Resp: 653856

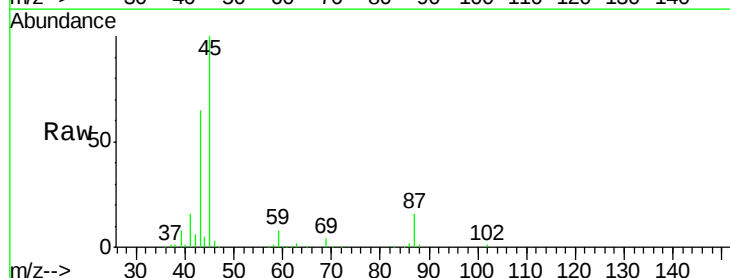
Ion Ratio Lower Upper

45 100

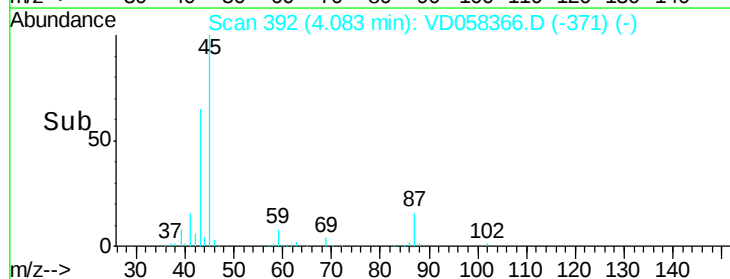
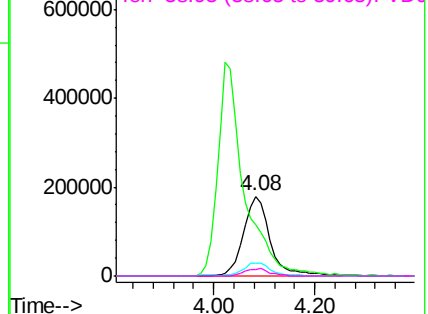
43 65.3 51.4 77.0

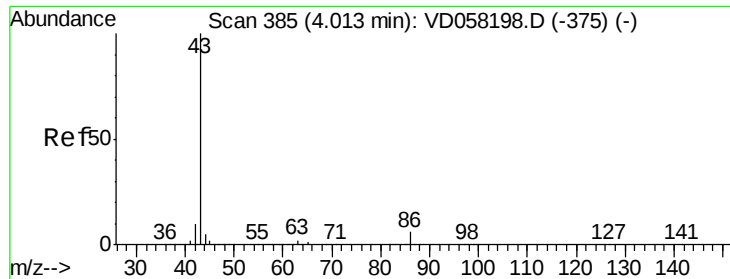
87 16.0 13.0 19.4

59 8.3 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: 104.588 ug/l

RT: 4.02 min Scan# 386

Delta R.T. 0.01 min

Lab File: VD058366.D

Acq: 24 Jun 2018 12:36

Instrument :

MSVOA_D

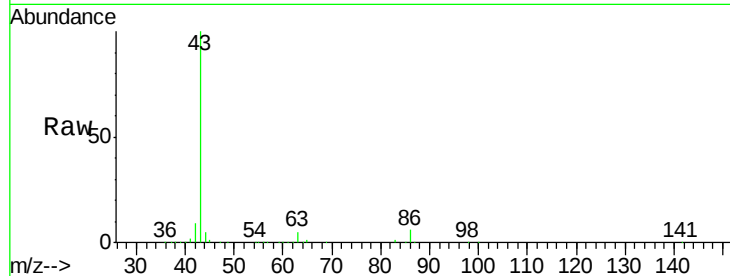
ClientSampleId :

Tot Ion: 43 Resp: 1753295

Ion Ratio Lower Upper

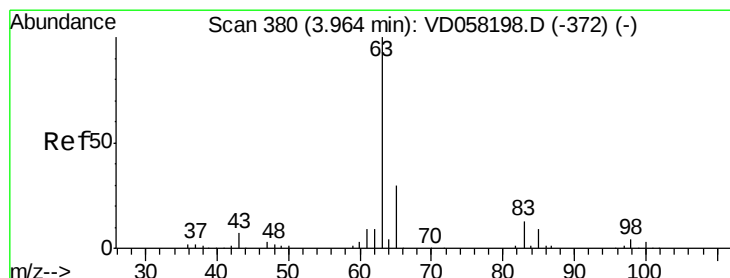
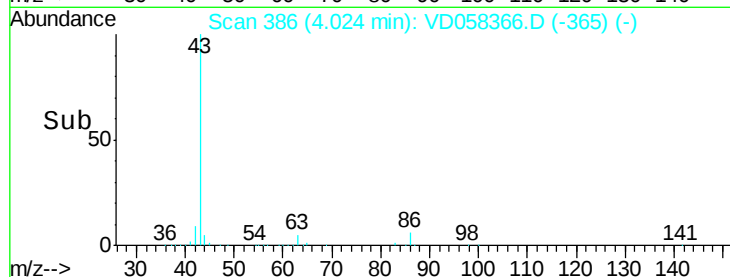
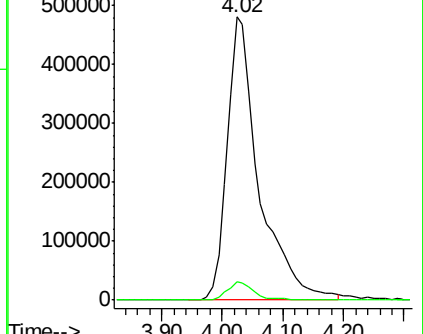
43 100

86 6.5 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: 21.927 ug/l

RT: 3.98 min Scan# 382

Delta R.T. 0.02 min

Lab File: VD058366.D

Acq: 24 Jun 2018 12:36

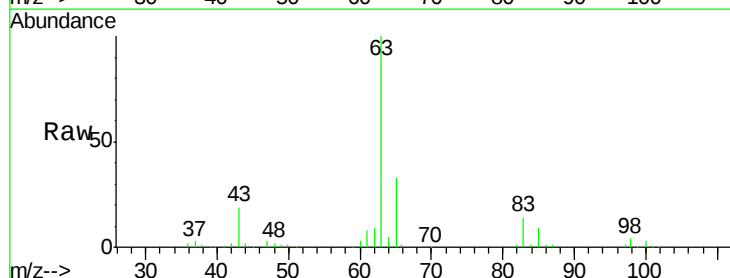
Tgt Ion: 63 Resp: 369425

Ion Ratio Lower Upper

63 100

98 3.9 1.9 5.7

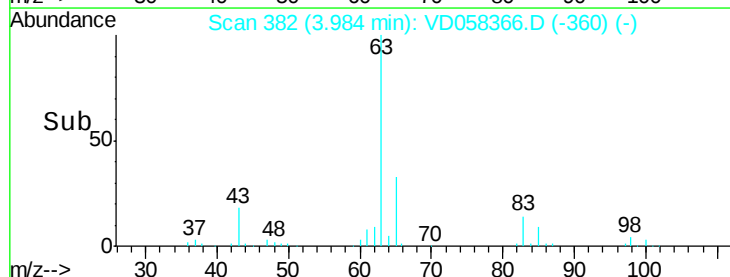
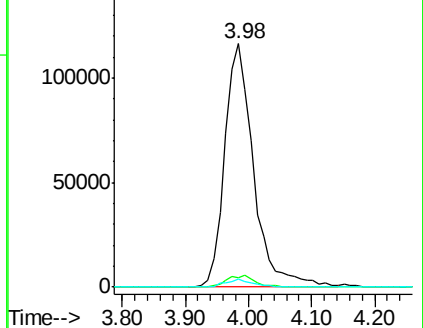
100 3.5 1.3 3.9

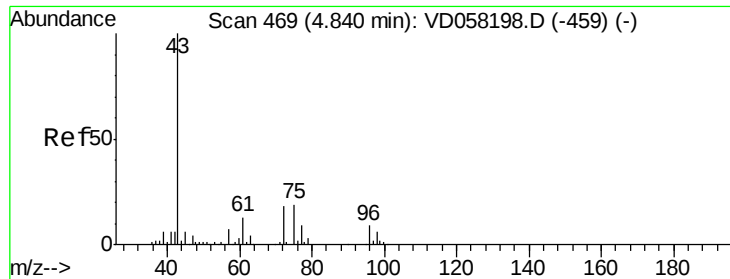


Abundance Ion 62.95 (62.65 to 63.65): VDC

Ion 97.95 (97.65 to 98.65): VDC

Ion 99.95 (99.65 to 100.65): VDC





#25

2-Butanone

Concen: 101.301 ug/l

RT: 4.85 min Scan# 470

Delta R.T. 0.01 min

Lab File: VD058366.D

Acq: 24 Jun 2018 12:36

Instrument :

MSVOA_D

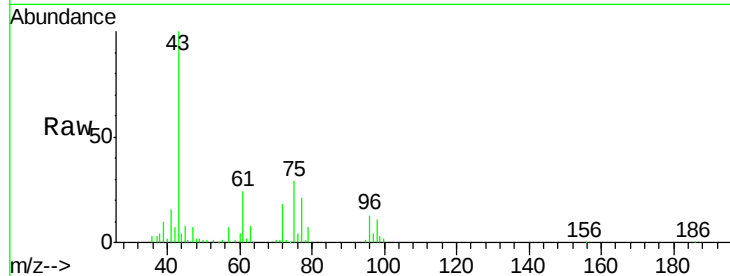
ClientSampled :

Tot Ion: 43 Resp: 300323

Ion Ratio Lower Upper

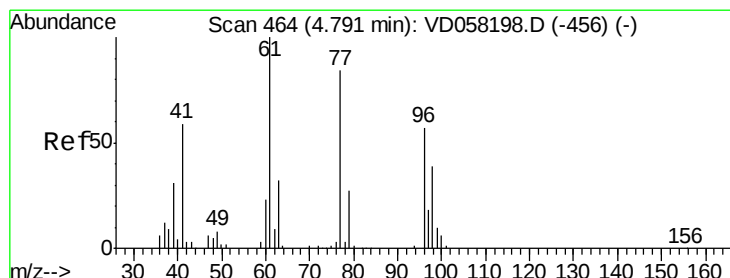
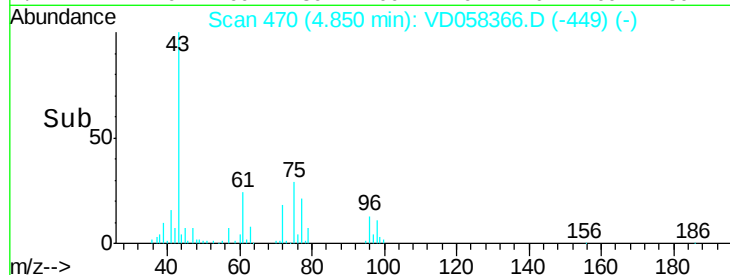
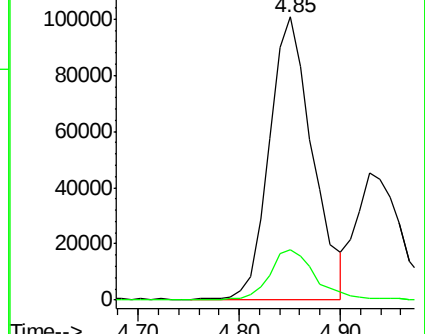
43 100

72 17.9 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: 22.827 ug/l

RT: 4.81 min Scan# 466

Delta R.T. 0.02 min

Lab File: VD058366.D

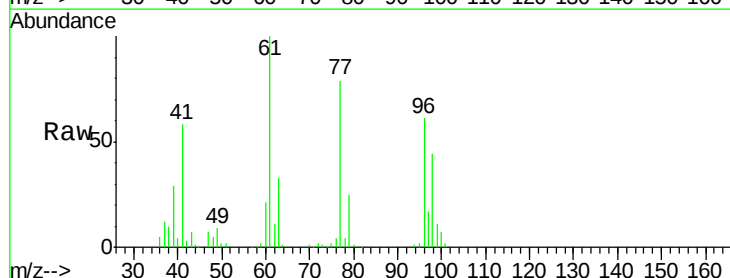
Acq: 24 Jun 2018 12:36

Tgt Ion: 77 Resp: 322024

Ion Ratio Lower Upper

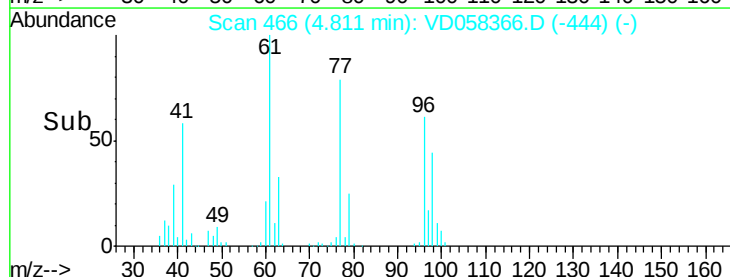
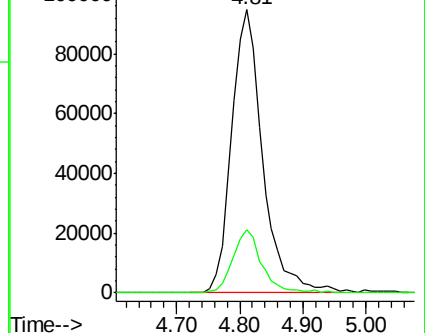
77 100

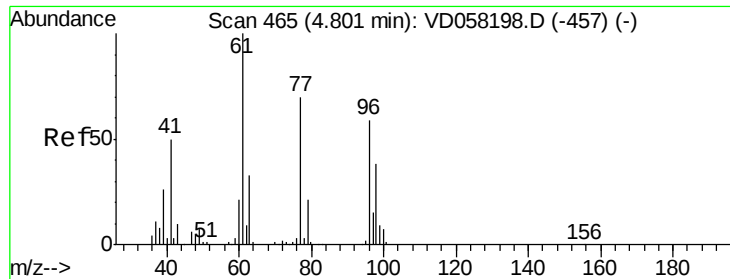
97 22.1 10.5 31.6



Abundance Ion 76.95 (76.65 to 77.65): VDC

Ion 96.85 (96.55 to 97.55): VDC



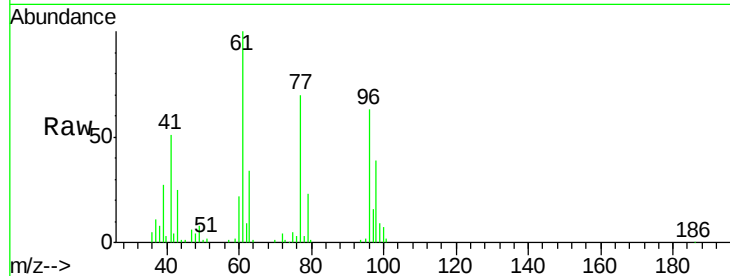


#27

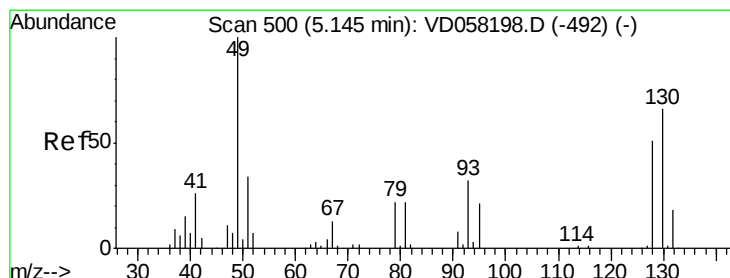
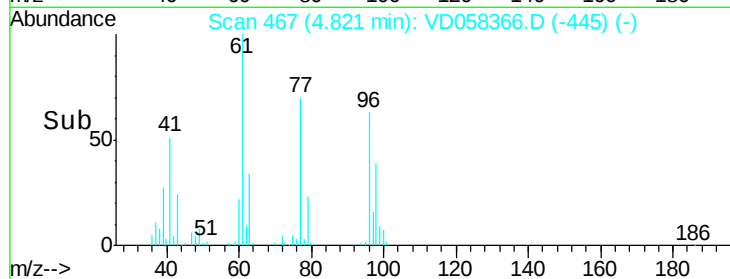
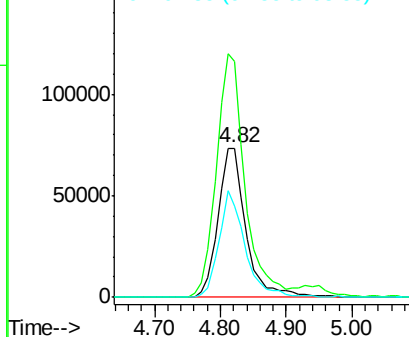
cis-1,2-Dichloroethene
Concen: 23.484 ug/l
RT: 4.82 min Scan# 467
Delta R.T. 0.02 min
Lab File: VD058366.D
Acq: 24 Jun 2018 12:36

Instrument :
MSVOA_D
ClientSampleId :

Tot Ion: 96 Resp: 216977
Ion Ratio Lower Upper
96 100
61 158.3 0.0 338.6
98 61.4 0.0 130.2



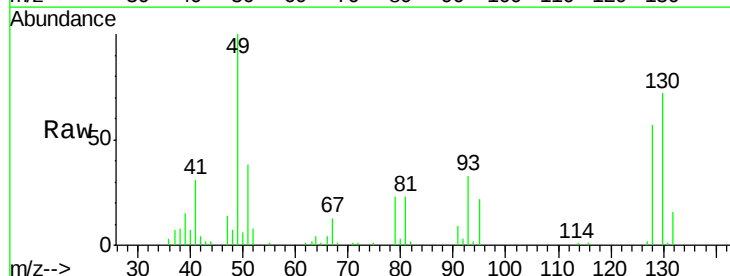
Abundance Ion 95.90 (95.60 to 96.60): VDC
Ion 60.95 (60.65 to 61.65): VDC
Ion 97.85 (97.55 to 98.55): VDC



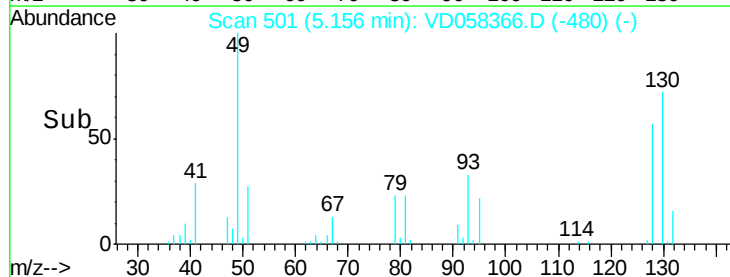
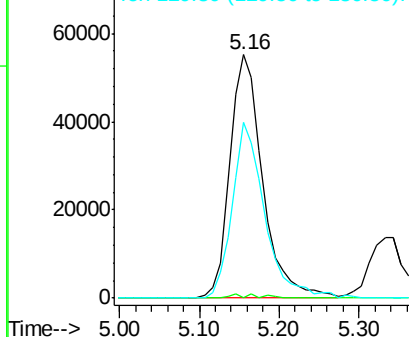
#28

Bromochloromethane
Concen: 21.033 ug/l
RT: 5.16 min Scan# 501
Delta R.T. 0.01 min
Lab File: VD058366.D
Acq: 24 Jun 2018 12:36

Tgt Ion: 49 Resp: 158850
Ion Ratio Lower Upper
49 100
129 0.0 0.0 0.0
130 72.2 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

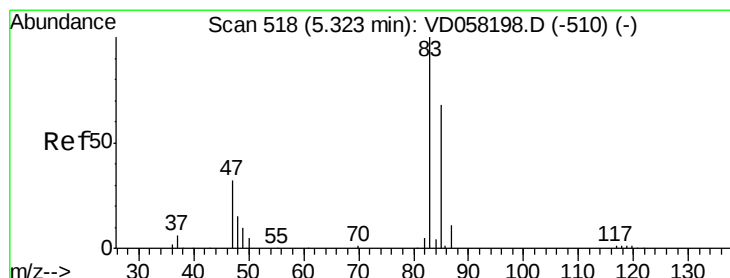
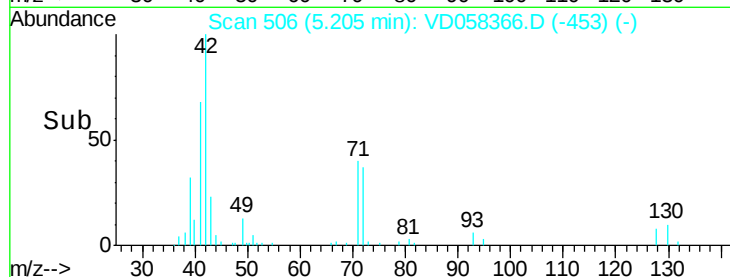
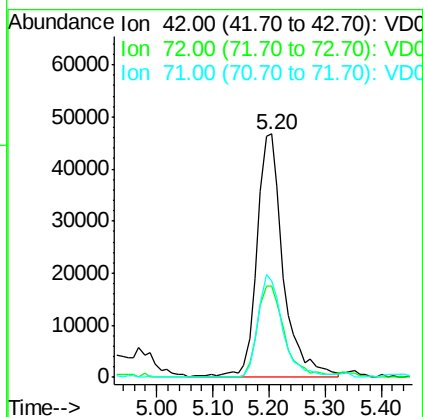
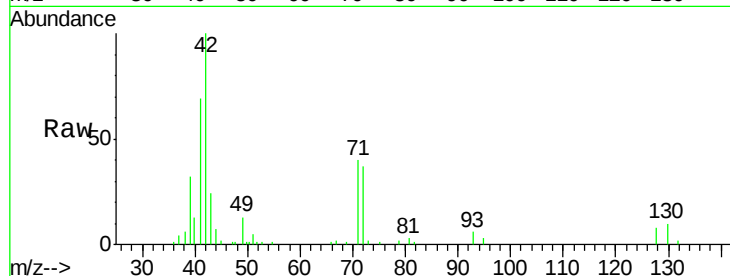




#29
Tetrahydrofuran
Concen: 96.277 ug/l
RT: 5.20 min Scan# 506
Delta R.T. 0.02 min
Lab File: VD058366.D
Acq: 24 Jun 2018 12:36

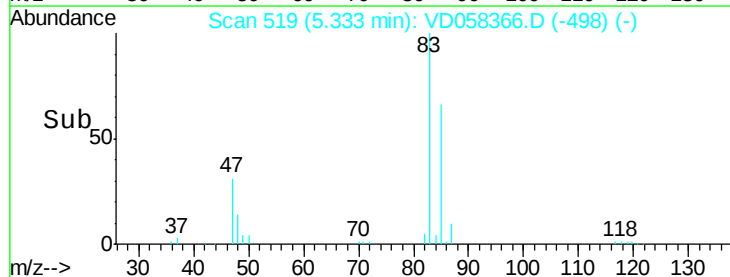
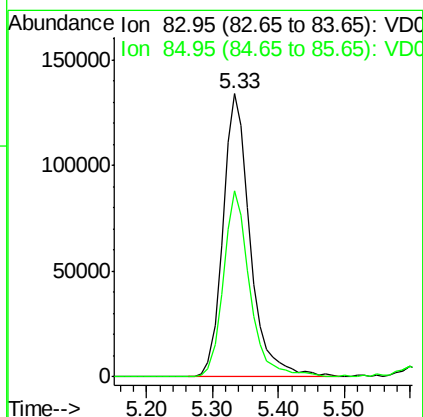
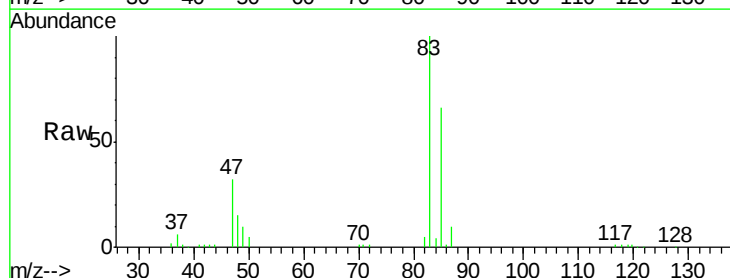
Instrument :
MSVOA_D
ClientSampled :

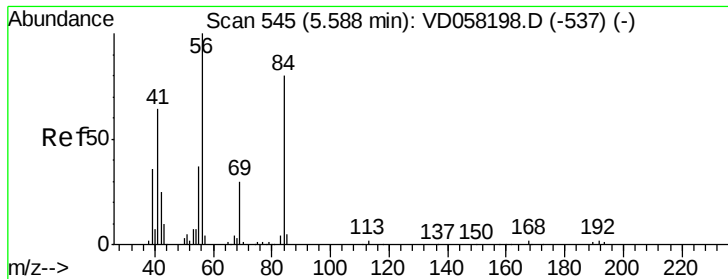
Tot Ion: 42 Resp: 151926
Ion Ratio Lower Upper
42 100
72 38.5 30.2 45.2
71 39.3 30.1 45.1



#30
Chloroform
Concen: 21.751 ug/l
RT: 5.33 min Scan# 519
Delta R.T. 0.01 min
Lab File: VD058366.D
Acq: 24 Jun 2018 12:36

Tgt Ion: 83 Resp: 386869
Ion Ratio Lower Upper
83 100
85 65.6 54.8 82.2

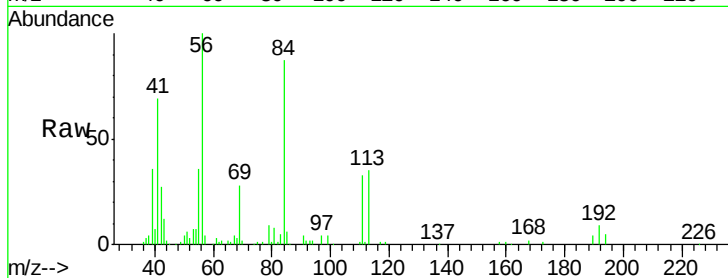




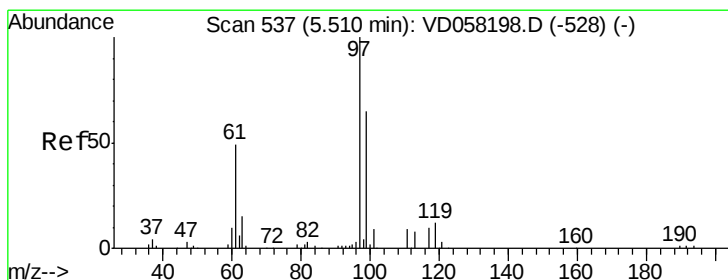
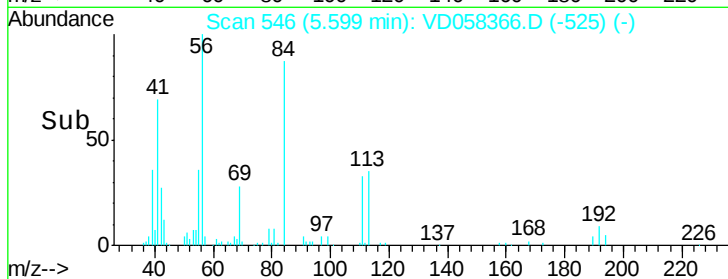
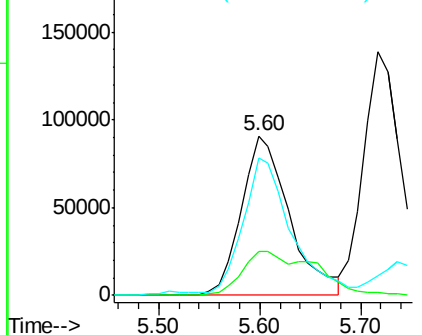
#31
Cyclohexane
Concen: 21.592 ug/l
RT: 5.60 min Scan# 546
Delta R.T. 0.01 min
Lab File: VD058366.D
Acq: 24 Jun 2018 12:36

Instrument :
MSVOA_D
ClientSampled :

Tot Ion: 56 Resp: 300446
Ion Ratio Lower Upper
56 100
69 27.8 23.6 35.4
84 86.5 65.2 97.8

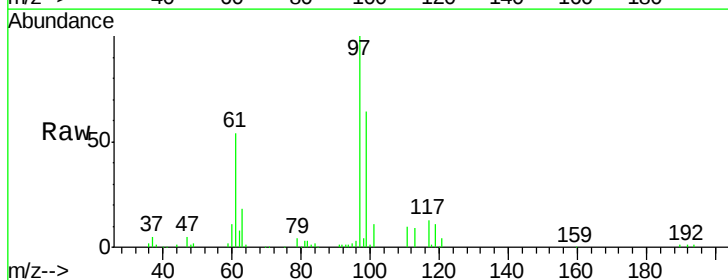


Abundance Ion 55.95 (55.65 to 56.65): VDC
Ion 69.00 (68.70 to 69.70): VDC
Ion 84.05 (83.75 to 84.75): VDC

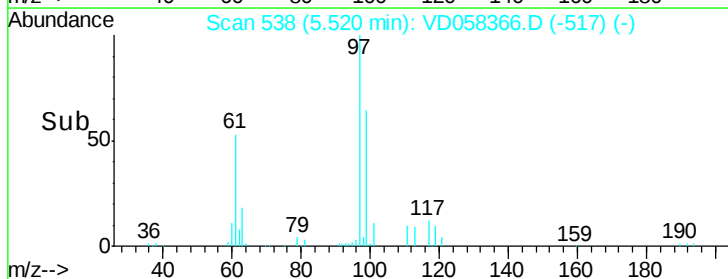
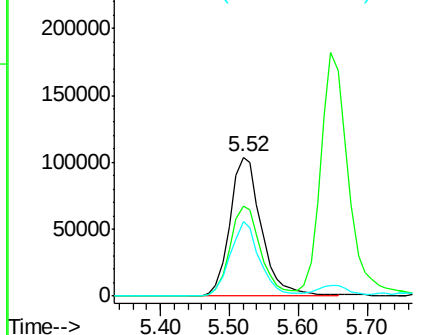


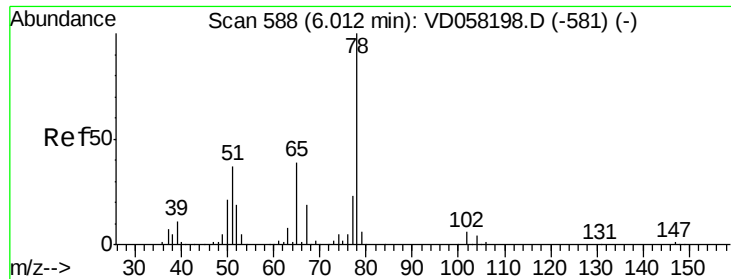
#32
1,1,1-Trichloroethane
Concen: 22.289 ug/l
RT: 5.52 min Scan# 538
Delta R.T. 0.01 min
Lab File: VD058366.D
Acq: 24 Jun 2018 12:36

Tgt Ion: 97 Resp: 327543
Ion Ratio Lower Upper
97 100
99 64.4 52.2 78.4
61 53.5 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

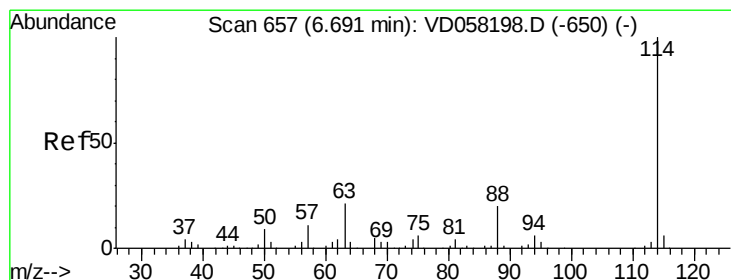
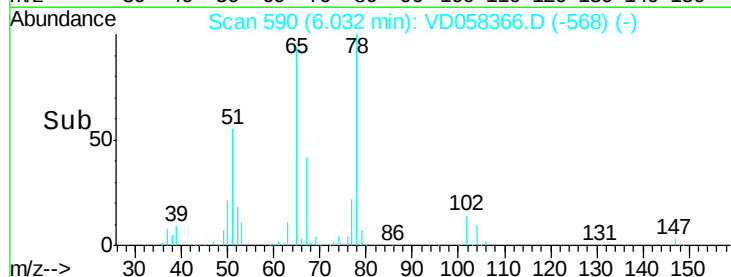
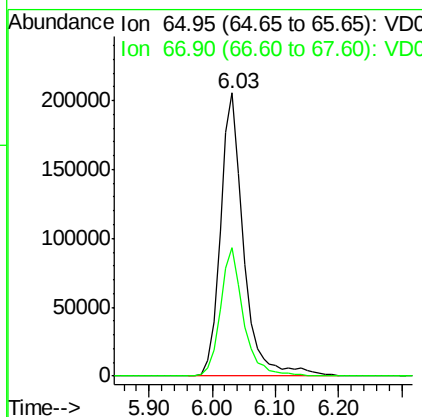
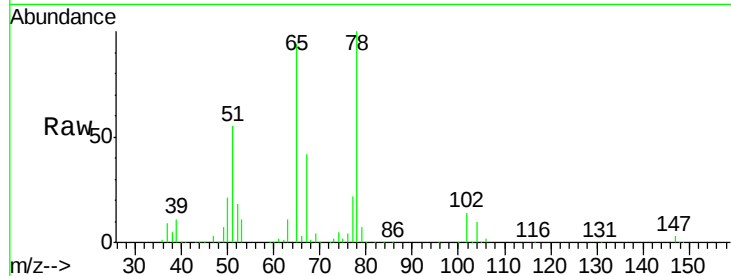




#33
 1,2-Dichloroethane-d4
 Concen: 22.289 ug/l
 RT: 6.03 min Scan# 590
 Delta R.T. 0.02 min
 Lab File: VD058366.D
 Acq: 24 Jun 2018 12:36

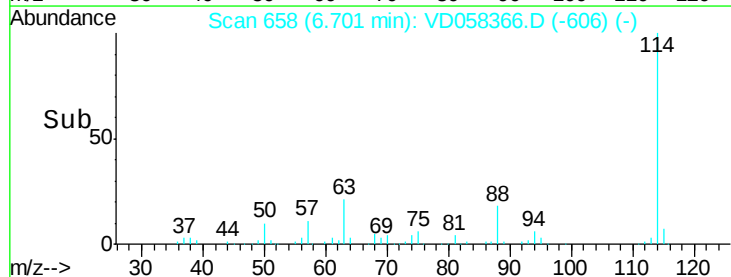
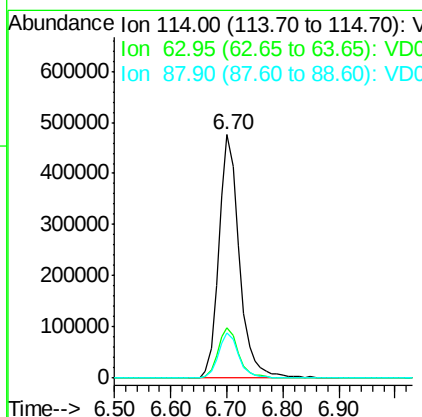
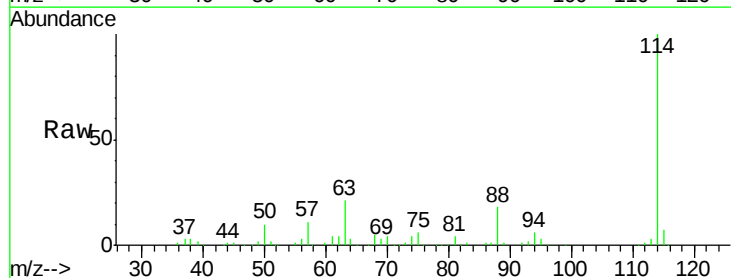
Instrument :
 MSVOA_D
 ClientSampleId :

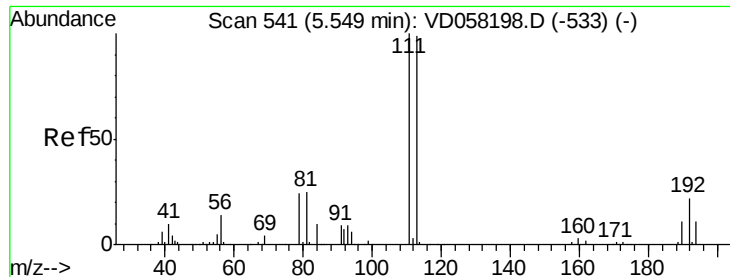
Tot Ion: 65 Resp: 526262
 Ion Ratio Lower Upper
 65 100
 67 45.2 0.0 97.8



#34
 1,4-Difluorobenzene
 Concen: 50.000 ug/l
 RT: 6.70 min Scan# 658
 Delta R.T. 0.01 min
 Lab File: VD058366.D
 Acq: 24 Jun 2018 12:36

Tgt Ion: 114 Resp: 1210218
 Ion Ratio Lower Upper
 114 100
 63 20.9 0.0 42.6
 88 18.4 0.0 40.6





#35

Dibromofluoromethane

Concen: 50.000 ug/l

RT: 5.56 min Scan# 542

Delta R.T. 0.01 min

Lab File: VD058366.D

Acq: 24 Jun 2018 12:36

Instrument :
MSVOA_D
ClientSampled :

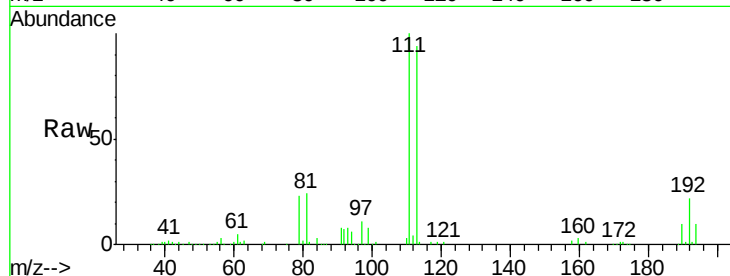
Tot Ion:113 Resp: 547308

Ion Ratio Lower Upper

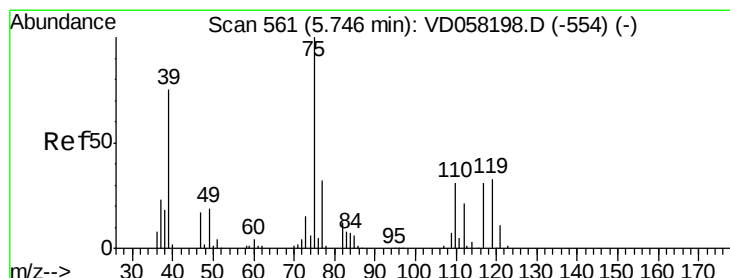
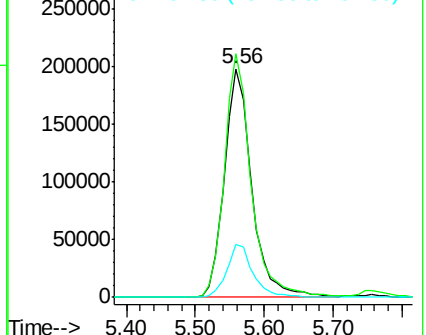
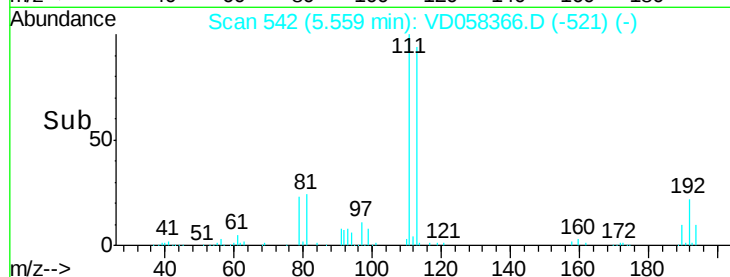
113 100

111 106.6 80.6 121.0

192 23.4 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: 23.729 ug/l

RT: 5.76 min Scan# 562

Delta R.T. 0.01 min

Lab File: VD058366.D

Acq: 24 Jun 2018 12:36

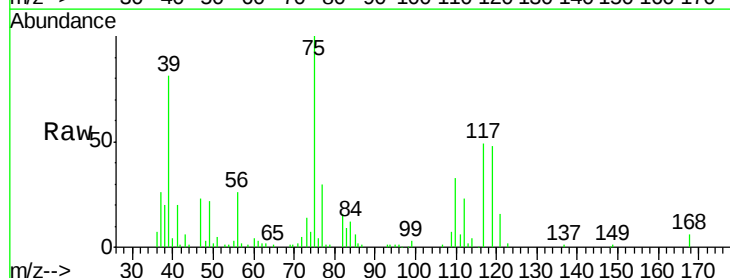
Tgt Ion: 75 Resp: 284094

Ion Ratio Lower Upper

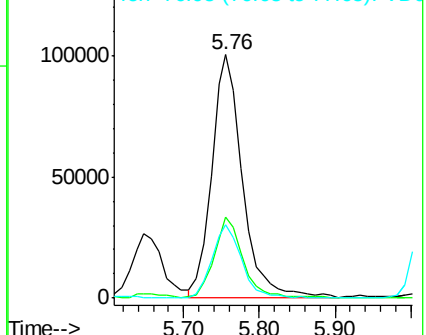
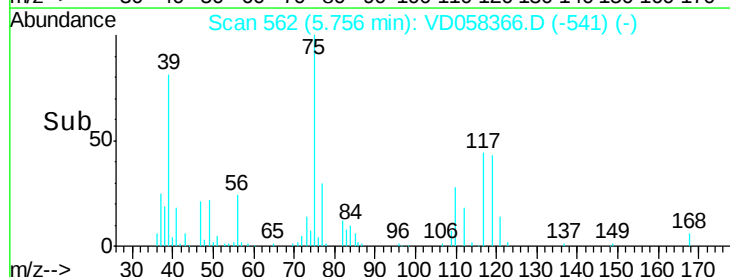
75 100

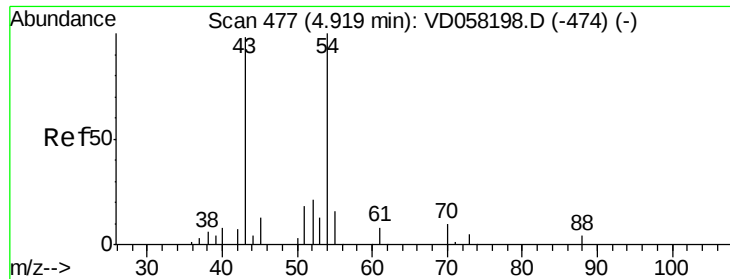
110 33.1 15.4 46.4

77 30.1 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: 21.195 ug/l

RT: 4.93 min Scan# 478

Delta R.T. 0.01 min

Lab File: VD058366.D

Acq: 24 Jun 2018 12:36

Instrument :

MSVOA_D

ClientSampleId :

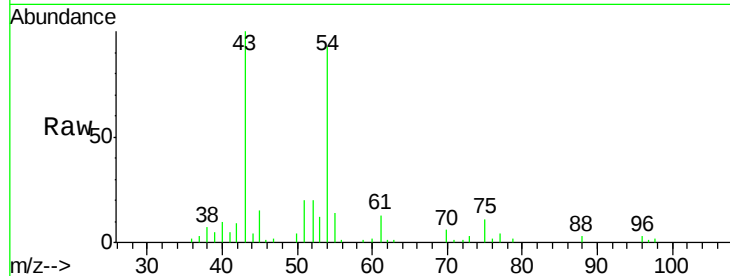
Tot Ion: 43 Resp: 144580

Ion Ratio Lower Upper

43 100

61 13.2 10.3 15.5

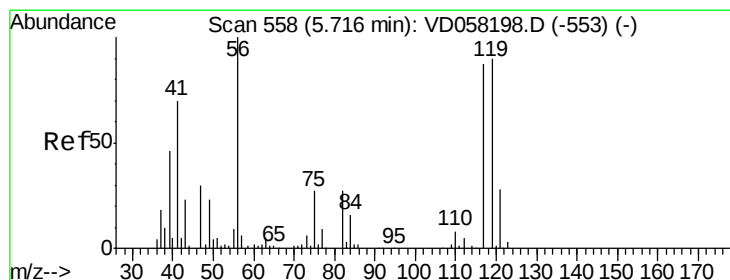
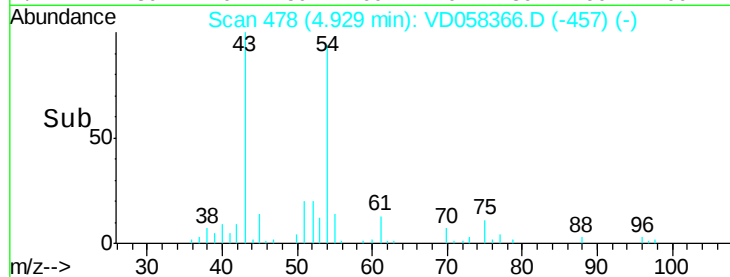
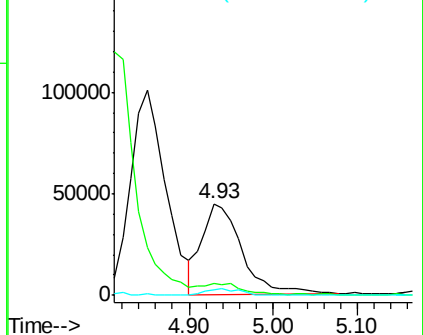
70 6.5 5.7 8.5



Abundance Ion 42.95 (42.65 to 43.65): VDC

Ion 60.95 (60.65 to 61.65): VDC

Ion 70.00 (69.70 to 70.70): VDC



#38

Carbon Tetrachloride

Concen: 23.682 ug/l

RT: 5.74 min Scan# 560

Delta R.T. 0.02 min

Lab File: VD058366.D

Acq: 24 Jun 2018 12:36

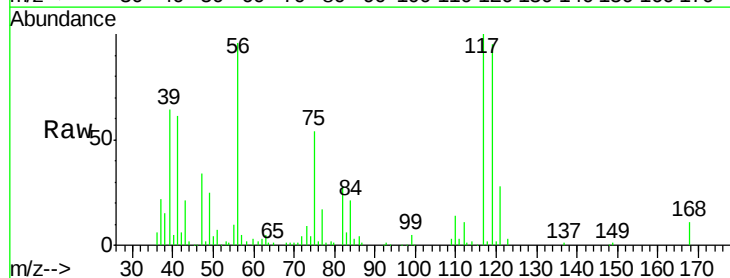
Tgt Ion: 117 Resp: 281713

Ion Ratio Lower Upper

117 100

119 94.9 78.8 118.2

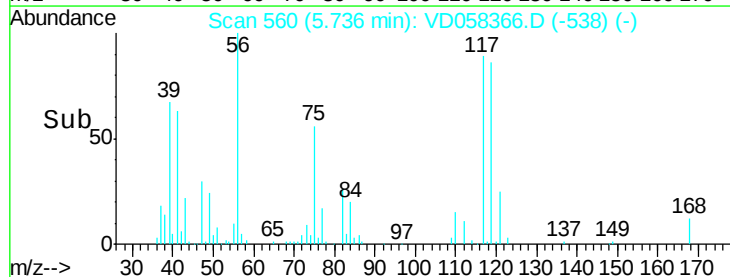
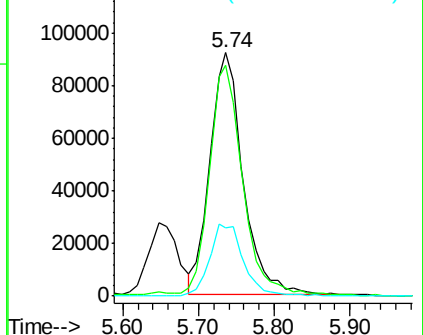
121 28.1 25.0 37.6

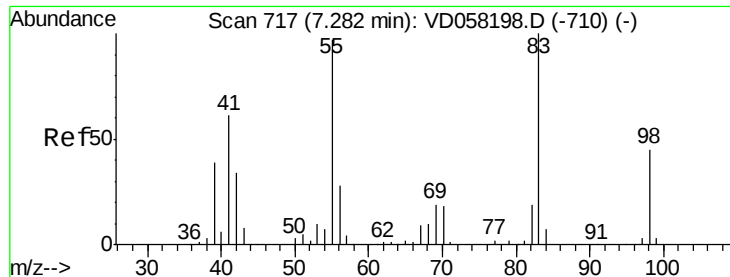


Abundance Ion 116.85 (116.55 to 117.55): V

Ion 118.85 (118.55 to 119.55): V

Ion 120.85 (120.55 to 121.55): V

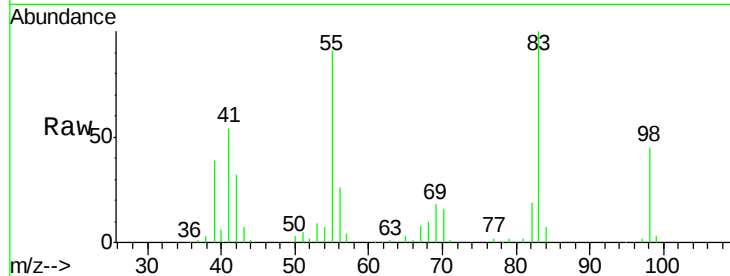




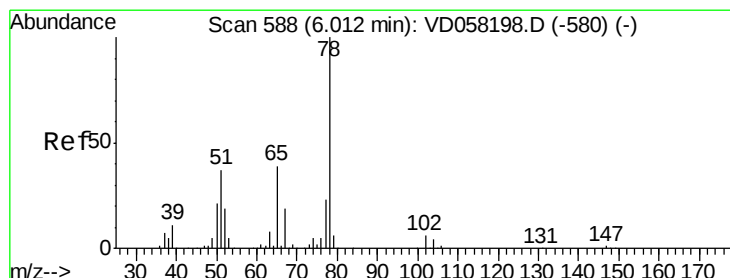
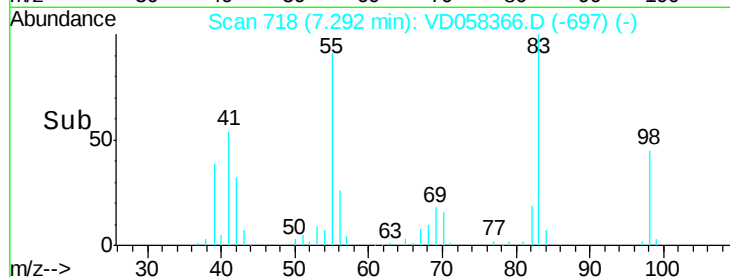
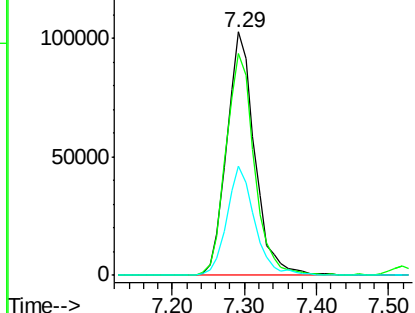
#39
Methvlcvclohexane
Concen: 23.807 ug/l
RT: 7.29 min Scan# 718
Delta R.T. 0.01 min
Lab File: VD058366.D
Acq: 24 Jun 2018 12:36

Instrument :
MSVOA_D
ClientSampleId :

Tot Ion: 83 Resp: 277619
Ion Ratio Lower Upper
83 100
55 90.9 77.4 116.2
98 44.8 35.9 53.9

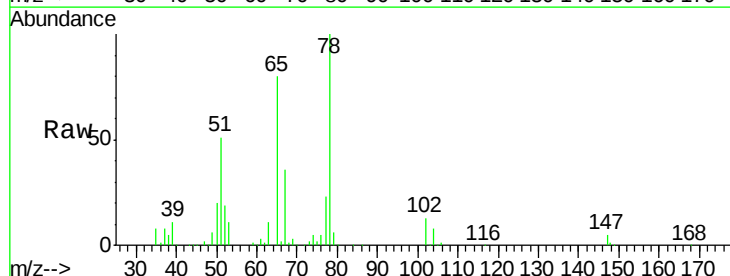


Abundance Ion 83.05 (82.75 to 83.75): VDC
Ion 55.00 (54.70 to 55.70): VDC
Ion 98.05 (97.75 to 98.75): VDC

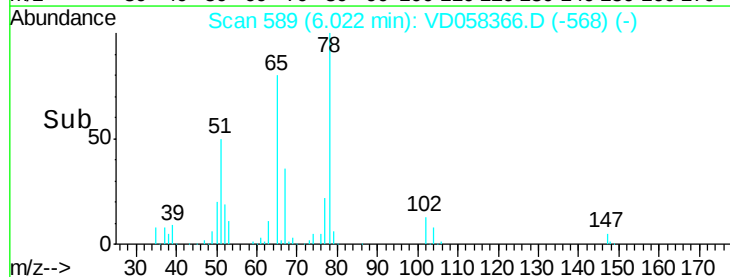
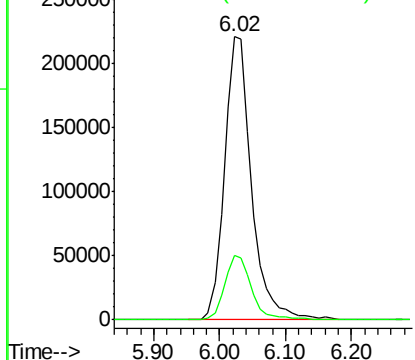


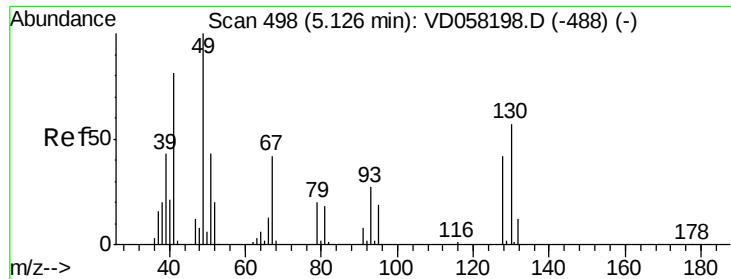
#40
Benzene
Concen: 22.243 ug/l
RT: 6.02 min Scan# 589
Delta R.T. 0.01 min
Lab File: VD058366.D
Acq: 24 Jun 2018 12:36

Tgt Ion: 78 Resp: 634357
Ion Ratio Lower Upper
78 100
77 22.8 18.5 27.7



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

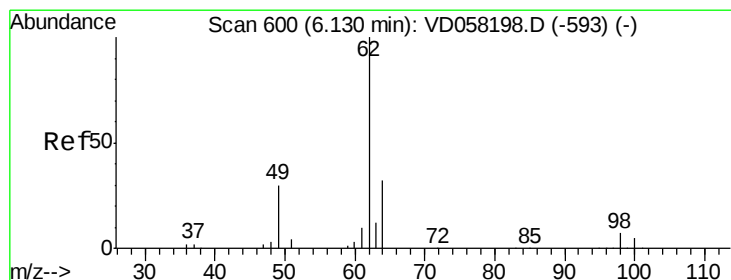
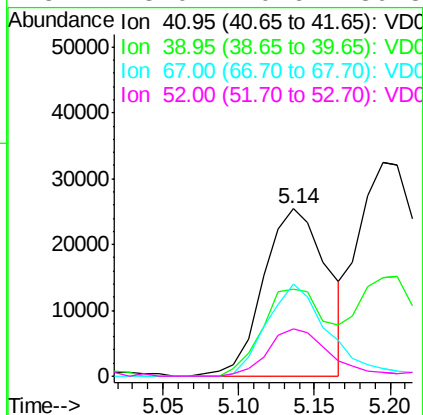
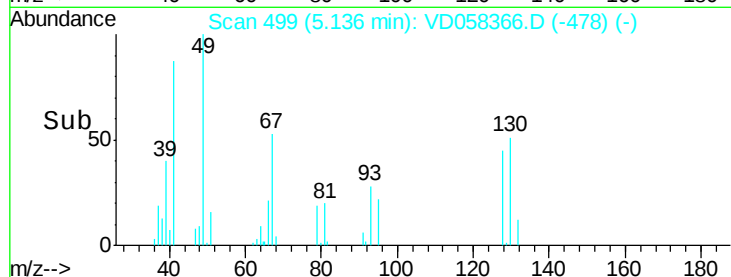
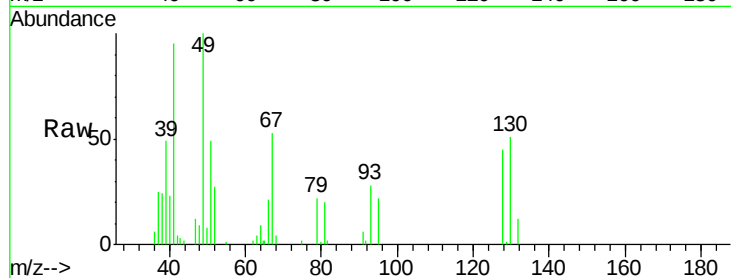




#41
Methacrylonitrile
Concen: 22.714 ug/l
RT: 5.14 min Scan# 499
Delta R.T. 0.01 min
Lab File: VD058366.D
Acq: 24 Jun 2018 12:36

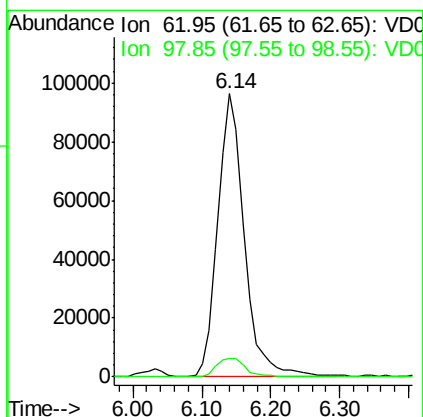
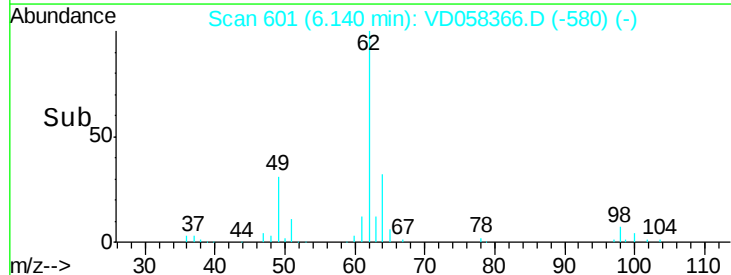
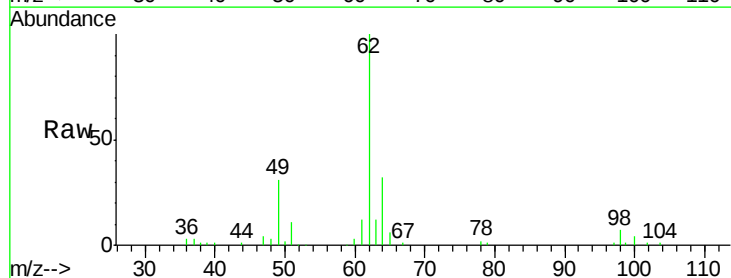
Instrument :
MSVOA_D
ClientSampled :

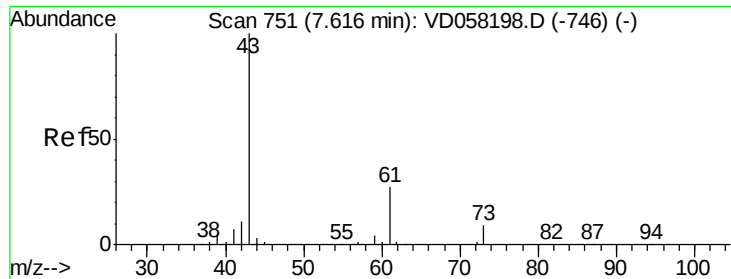
Tot Ion: 41 Resp: 74818
Ion Ratio Lower Upper
41 100
39 51.8 43.4 65.2
67 55.4 41.7 62.5
52 28.0 20.6 30.8



#42
1,2-Dichloroethane
Concen: 22.392 ug/l
RT: 6.14 min Scan# 601
Delta R.T. 0.01 min
Lab File: VD058366.D
Acq: 24 Jun 2018 12:36

Tgt Ion: 62 Resp: 257495
Ion Ratio Lower Upper
62 100
98 6.7 0.0 13.2





#43

Isopropyl Acetate

Concen: 21.048 ug/l

RT: 7.63 min Scan# 752

Delta R.T. 0.01 min

Lab File: VD058366.D

Acq: 24 Jun 2018 12:36

Instrument :

MSVOA_D

ClientSampled :

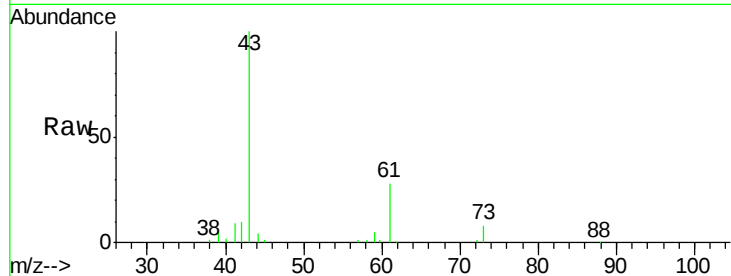
Tot Ion: 43 Resp: 191419

Ion Ratio Lower Upper

43 100

61 27.7 21.8 32.6

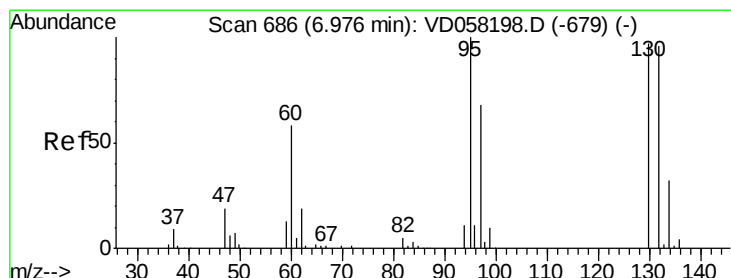
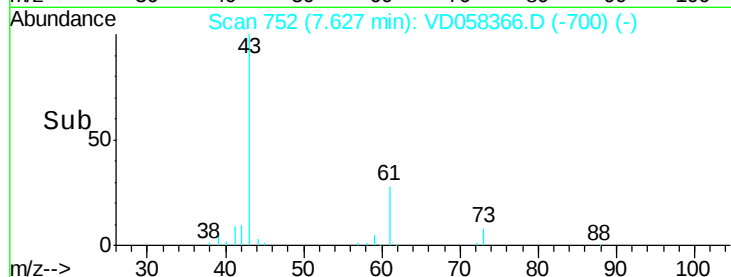
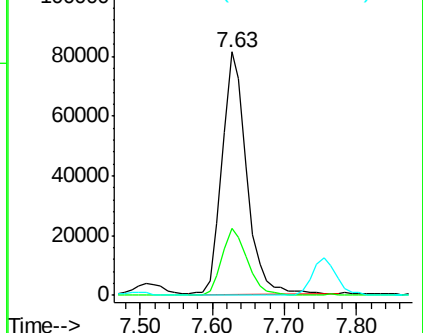
87 0.0 0.3 0.5#



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: 25.933 ug/l

RT: 7.00 min Scan# 688

Delta R.T. 0.02 min

Lab File: VD058366.D

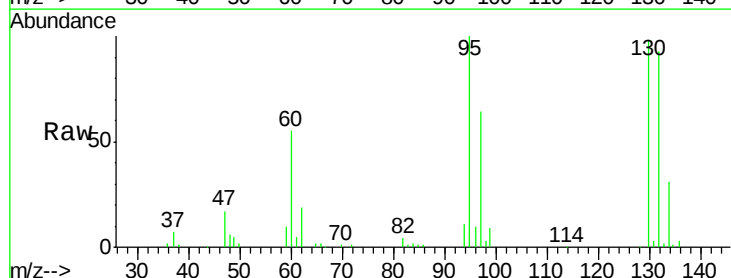
Acq: 24 Jun 2018 12:36

Tgt Ion:130 Resp: 222080

Ion Ratio Lower Upper

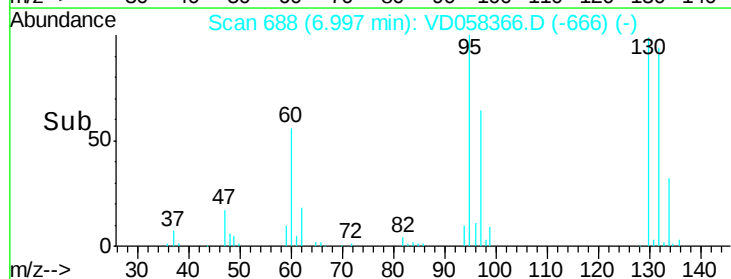
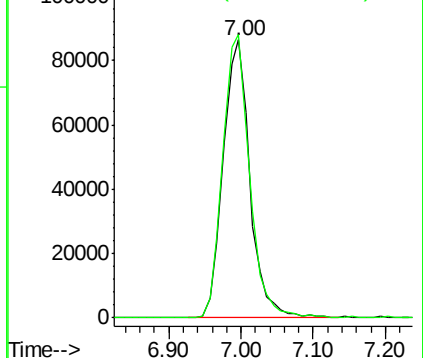
130 100

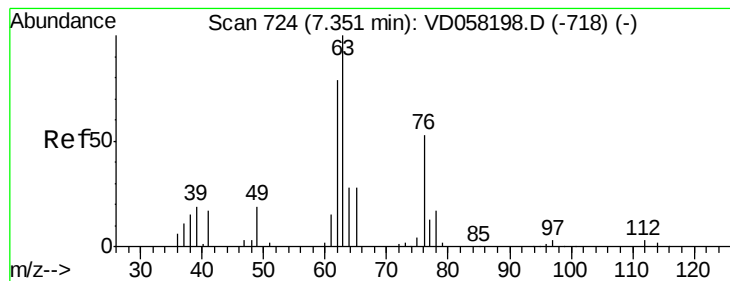
95 101.8 0.0 205.6



Abundance Ion 129.80 (129.50 to 130.50): V

Ion 94.90 (94.60 to 95.60): VDC





#45

1,2-Dichloropropane

Concen: 22.668 ug/l

RT: 7.36 min Scan# 725

Delta R.T. 0.01 min

Lab File: VD058366.D

Acq: 24 Jun 2018 12:36

Instrument :

MSVOA_D

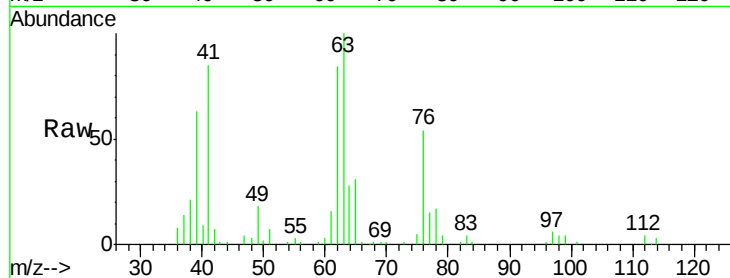
ClientSampleId :

Tot Ion: 63 Resp: 174099

Ion Ratio Lower Upper

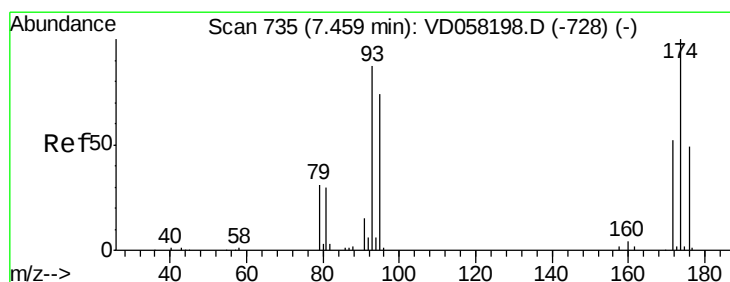
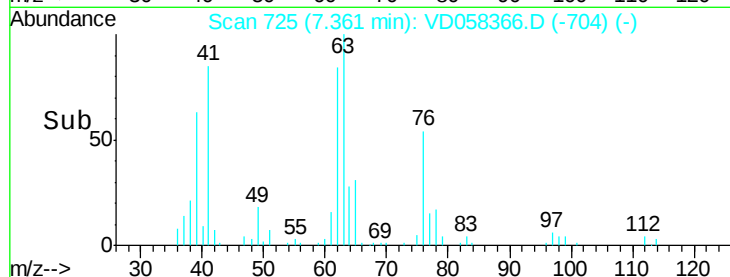
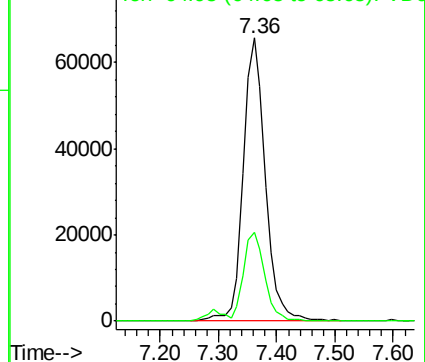
63 100

65 31.3 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: 22.278 ug/l

RT: 7.48 min Scan# 737

Delta R.T. 0.02 min

Lab File: VD058366.D

Acq: 24 Jun 2018 12:36

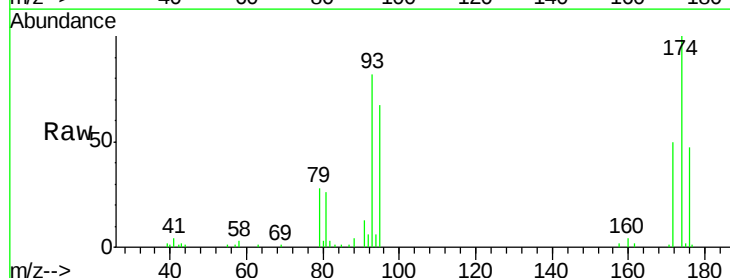
Tgt Ion: 93 Resp: 116810

Ion Ratio Lower Upper

93 100

95 81.4 67.8 101.6

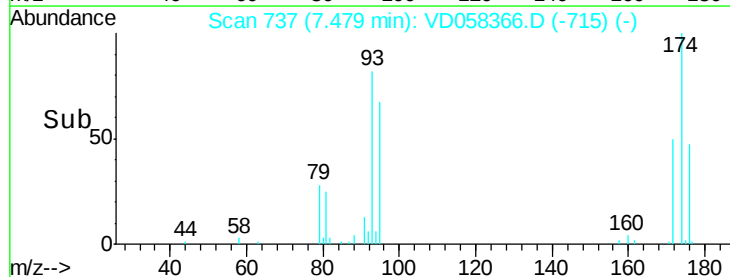
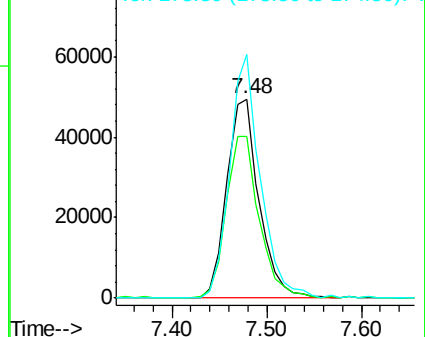
174 122.2 92.2 138.2

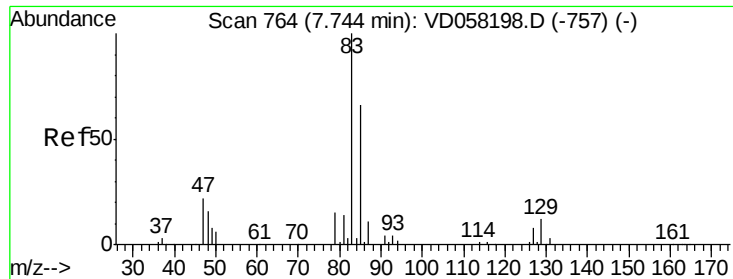


Abundance Ion 92.90 (92.60 to 93.60): VDC

Ion 94.90 (94.60 to 95.60): VDC

Ion 173.80 (173.50 to 174.50): V





#47

Bromodichloromethane

Concen: 23.338 ug/l

RT: 7.75 min Scan# 765

Delta R.T. 0.01 min

Lab File: VD058366.D

Acq: 24 Jun 2018 12:36

Instrument :

MSVOA_D

ClientSampled :

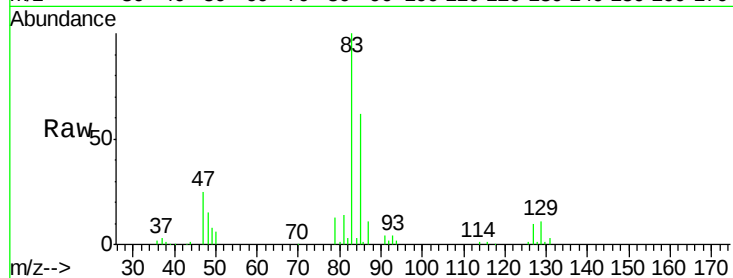
Tot Ion: 83 Resp: 279041

Ion Ratio Lower Upper

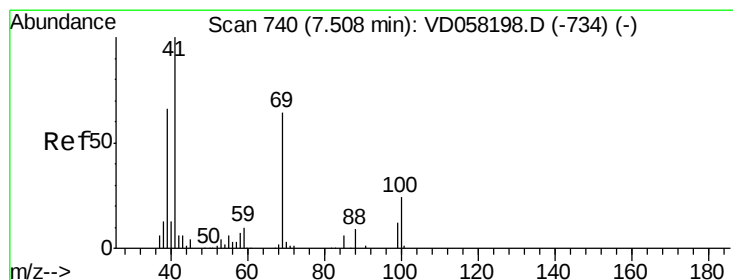
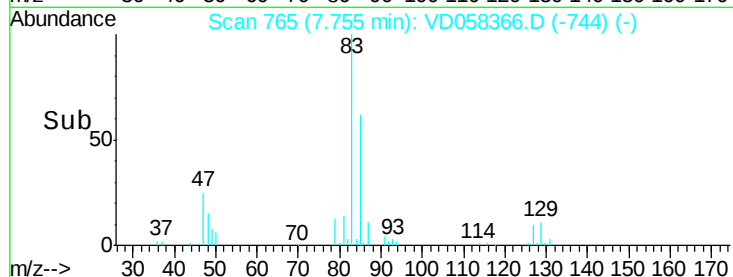
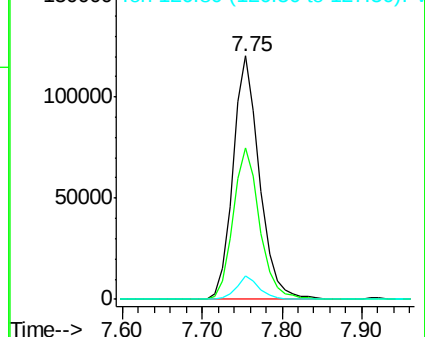
83 100

85 62.1 52.6 78.8

127 9.7 6.2 9.4#



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



#48

Methyl methacrylate

Concen: 21.607 ug/l

RT: 7.52 min Scan# 741

Delta R.T. 0.01 min

Lab File: VD058366.D

Acq: 24 Jun 2018 12:36

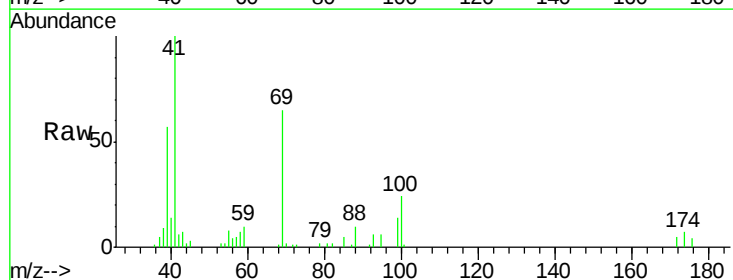
Tgt Ion: 41 Resp: 119429

Ion Ratio Lower Upper

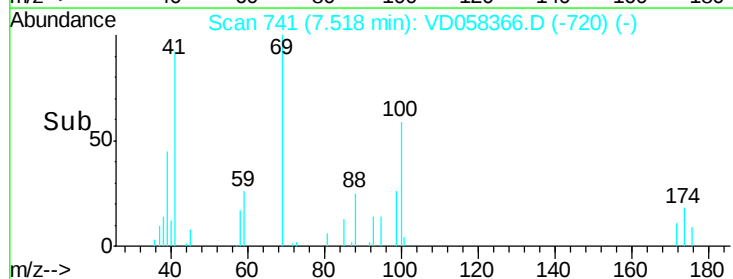
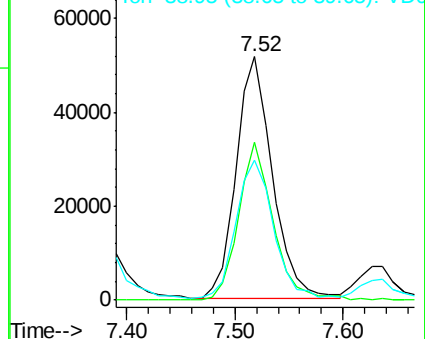
41 100

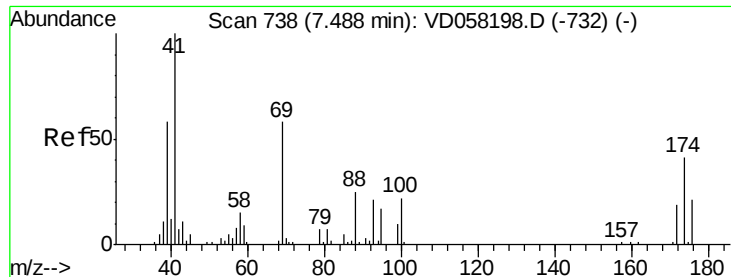
69 64.8 50.7 76.1

39 57.5 52.6 78.8



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

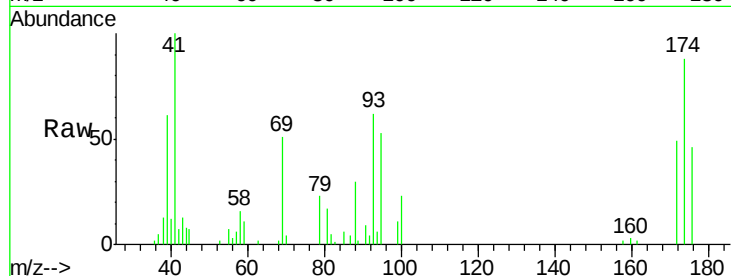




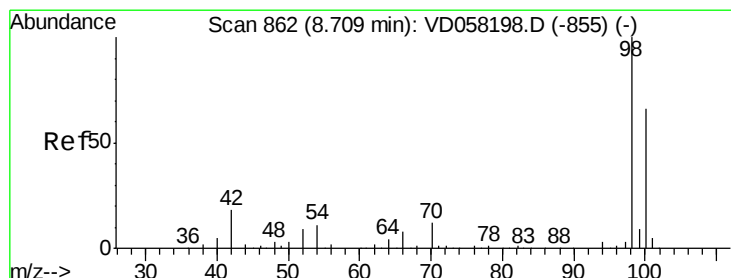
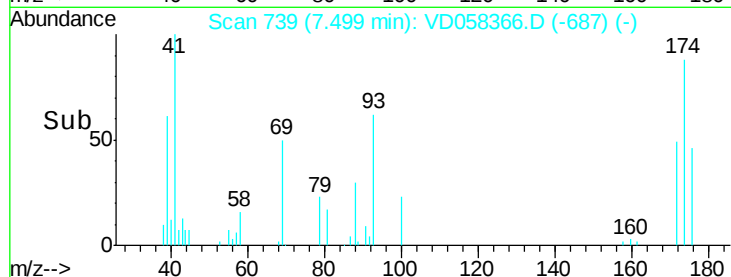
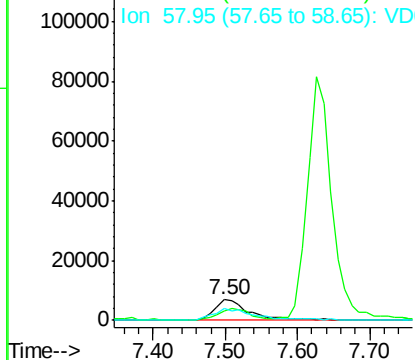
#49
1,4-Dioxane
Concen: 462.772 ug/l
RT: 7.50 min Scan# 739
Delta R.T. 0.01 min
Lab File: VD058366.D
Acq: 24 Jun 2018 12:36

Instrument :
MSVOA_D
ClientSampleId :

Tot Ion: 88 Resp: 23089
Ion Ratio Lower Upper
88 100
43 43.7 34.2 51.2
58 54.3 47.9 71.9

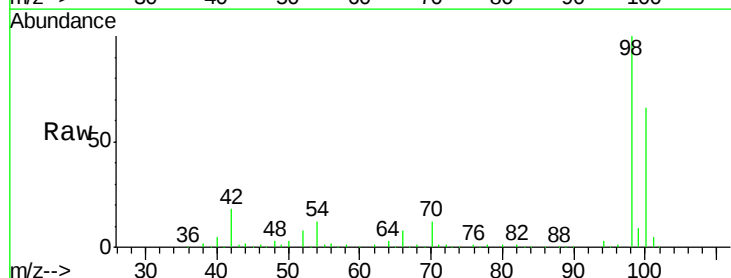


Abundance Ion 88.00 (87.70 to 88.70): VDC
Ion 43.05 (42.75 to 43.75): VDC
Ion 57.95 (57.65 to 58.65): VDC

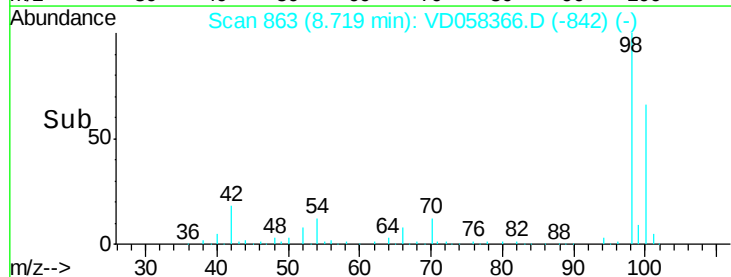
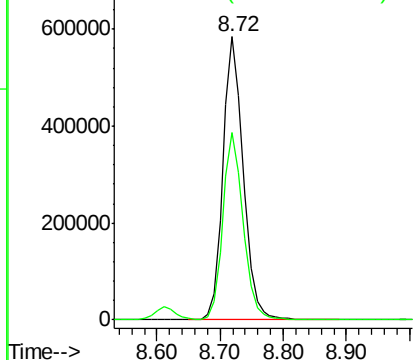


#50
Toluene-d8
Concen: 462.772 ug/l
RT: 8.72 min Scan# 863
Delta R.T. 0.01 min
Lab File: VD058366.D
Acq: 24 Jun 2018 12:36

Tgt Ion: 98 Resp: 1311227
Ion Ratio Lower Upper
98 100
100 66.3 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: 107.884 ug/l

RT: 8.61 min Scan# 852

Delta R.T. 0.01 min

Lab File: VD058366.D

Acq: 24 Jun 2018 12:36

Instrument :

MSVOA_D

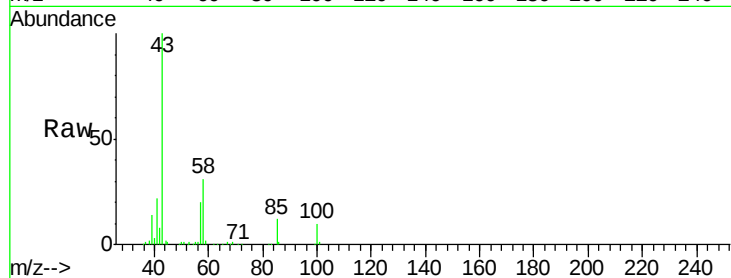
ClientSampleId :

Tot Ion: 43 Resp: 639957

Ion Ratio Lower Upper

43 100

58 31.4 26.7 40.1



Abundance Ion 42.95 (42.65 to 43.65): VDC

Ion 57.95 (57.65 to 58.65): VDC

8.61

300000

250000

200000

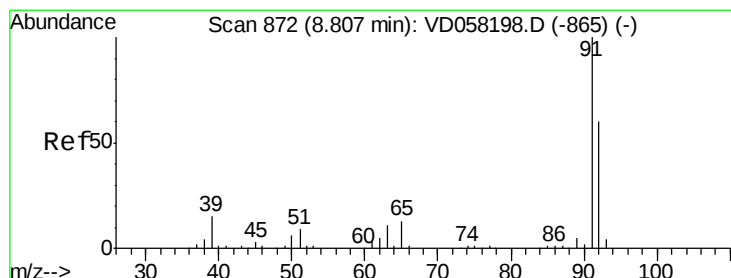
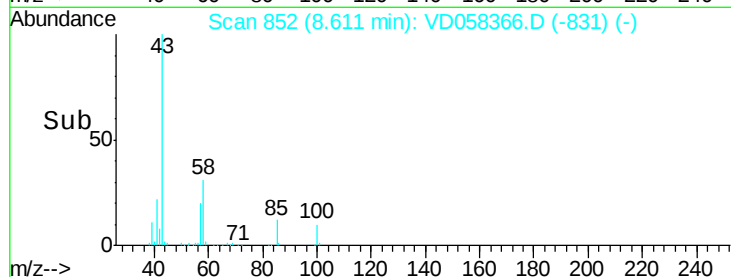
150000

100000

50000

0

Time-->



#52

Toluene

Concen: 23.132 ug/l

RT: 8.82 min Scan# 873

Delta R.T. 0.01 min

Lab File: VD058366.D

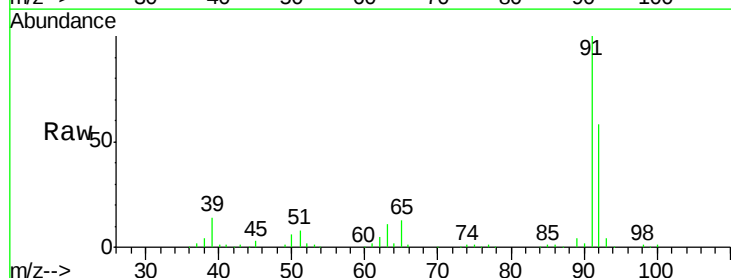
Acq: 24 Jun 2018 12:36

Tgt Ion: 92 Resp: 375650

Ion Ratio Lower Upper

92 100

91 173.6 133.2 199.8



Abundance Ion 92.00 (91.70 to 92.70): VDC

Ion 91.00 (90.70 to 91.70): VDC

8.82

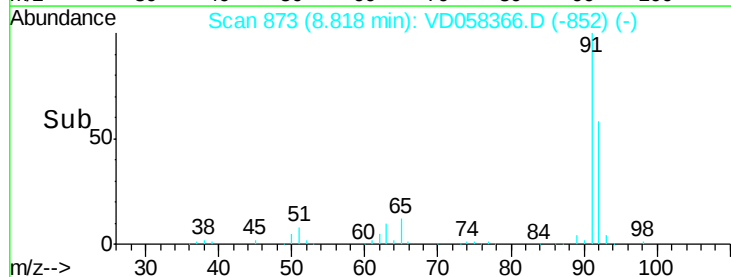
300000

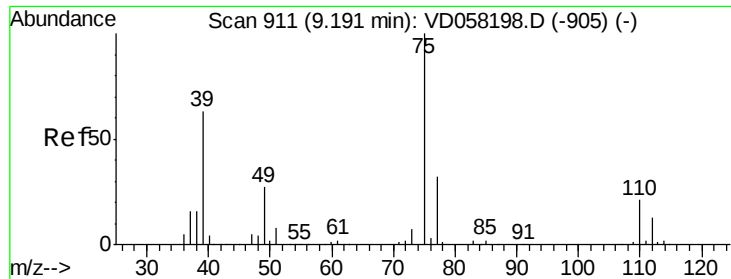
200000

100000

0

Time-->





#53

t-1,3-Dichloropropene

Concen: 22.434 ug/l

RT: 9.20 min Scan# 912

Delta R.T. 0.01 min

Lab File: VD058366.D

Acq: 24 Jun 2018 12:36

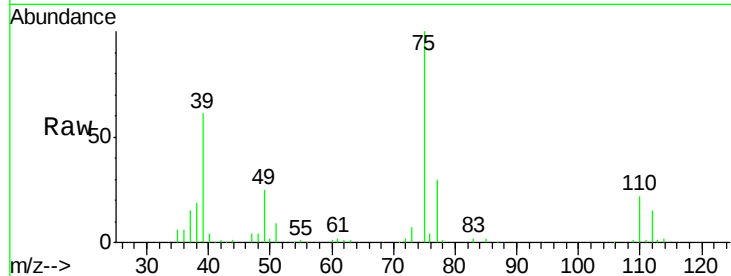
Instrument :
MSVOA_D
ClientSampleId :

Tot Ion: 75 Resp: 233205

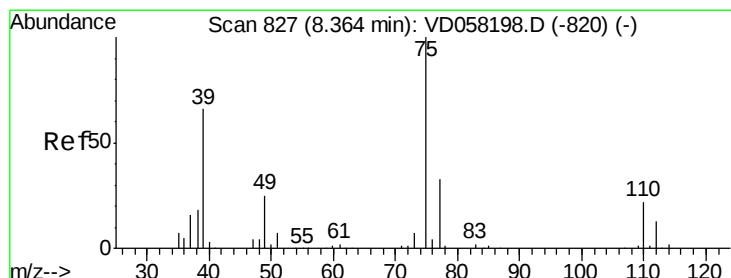
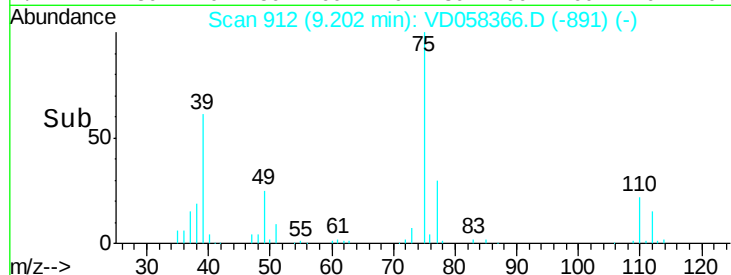
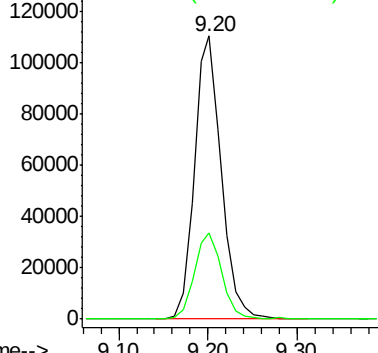
Ion Ratio Lower Upper

75 100

77 30.3 25.8 38.8



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



#54

cis-1,3-Dichloropropene

Concen: 22.442 ug/l

RT: 8.37 min Scan# 828

Delta R.T. 0.01 min

Lab File: VD058366.D

Acq: 24 Jun 2018 12:36

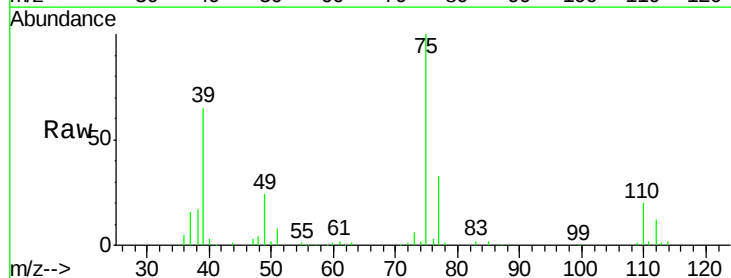
Tgt Ion: 75 Resp: 273495

Ion Ratio Lower Upper

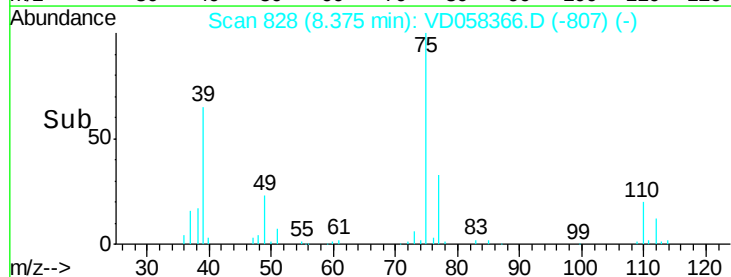
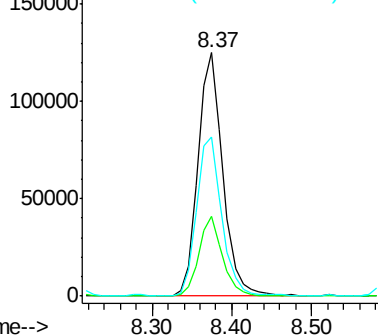
75 100

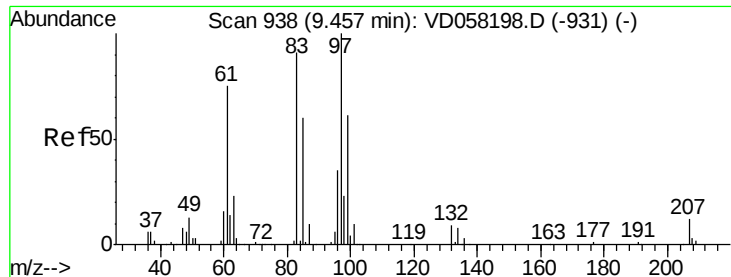
77 32.7 26.5 39.7

39 65.3 52.9 79.3



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

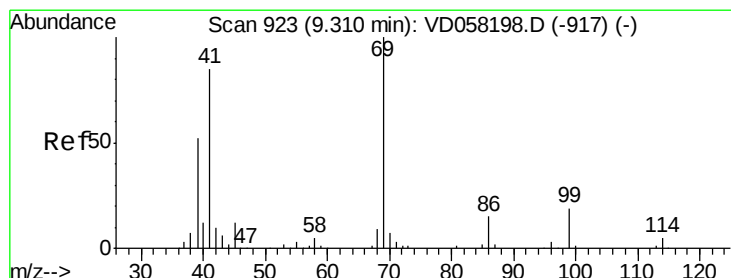
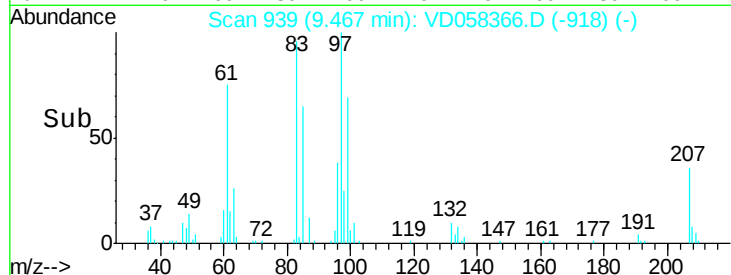
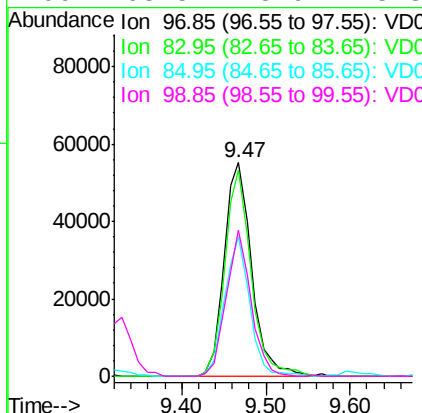
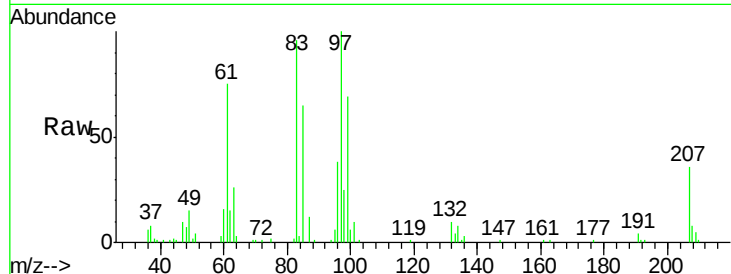




#55
 1,1,2-Trichloroethane
 Concen: 21.726 ug/l
 RT: 9.47 min Scan# 939
 Delta R.T. 0.01 min
 Lab File: VD058366.D
 Acq: 24 Jun 2018 12:36

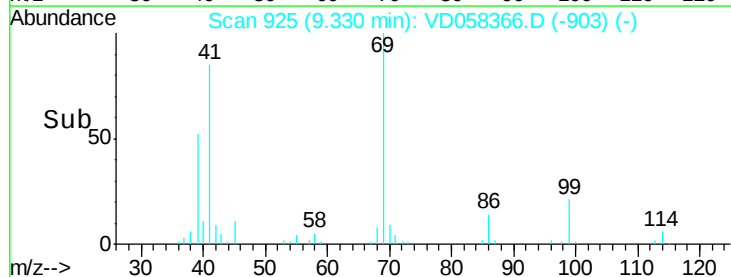
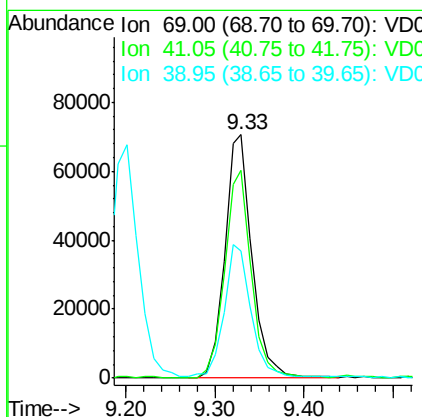
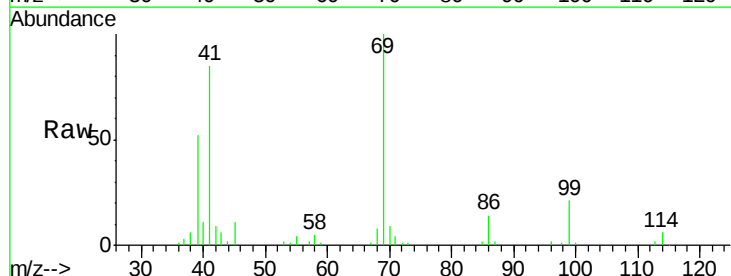
Instrument :
 MSVOA_D
 ClientSampleId :

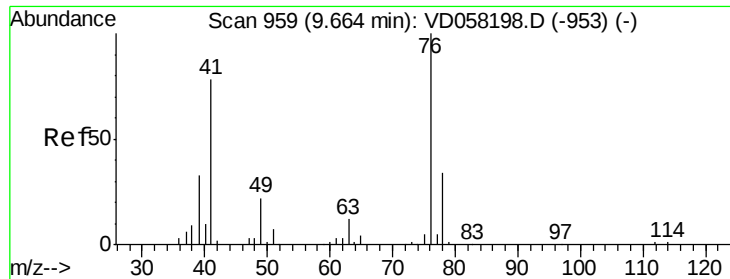
Tot Ion: 97 Resp: 124824
 Ion Ratio Lower Upper
 97 100
 83 96.3 72.9 109.3
 85 65.1 48.2 72.4
 99 68.5 48.9 73.3



#56
 Ethyl methacrylate
 Concen: 21.950 ug/l
 RT: 9.33 min Scan# 925
 Delta R.T. 0.02 min
 Lab File: VD058366.D
 Acq: 24 Jun 2018 12:36

Tgt Ion: 69 Resp: 150823
 Ion Ratio Lower Upper
 69 100
 41 85.5 67.6 101.4
 39 52.2 42.2 63.2

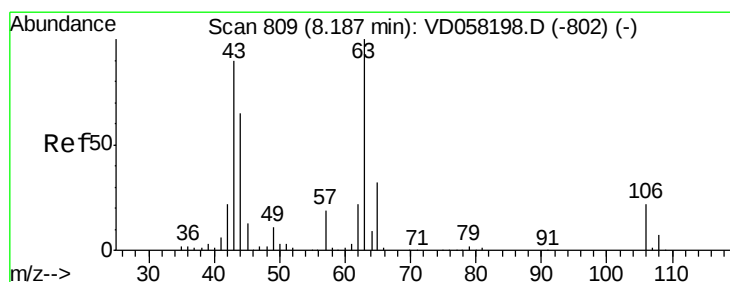
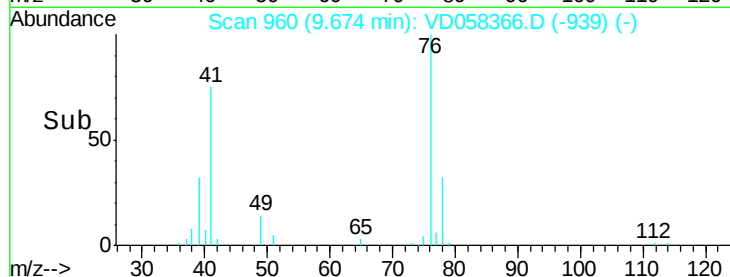
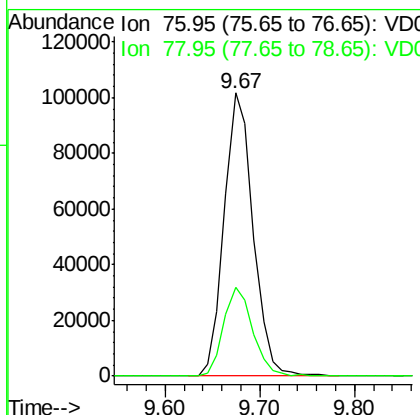
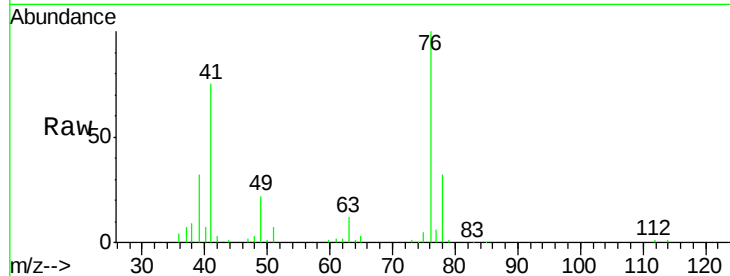




#57
 1,3-Dichloropropane
 Concen: 22.232 ug/l
 RT: 9.67 min Scan# 960
 Delta R.T. 0.01 min
 Lab File: VD058366.D
 Acq: 24 Jun 2018 12:36

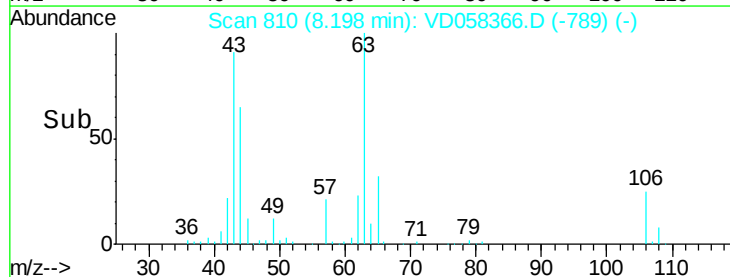
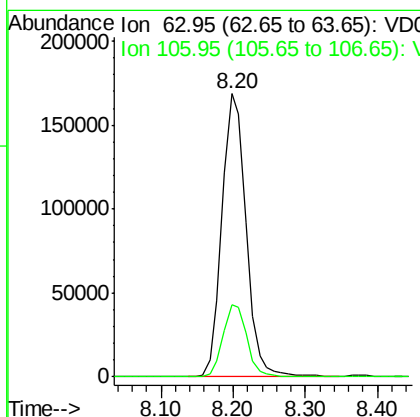
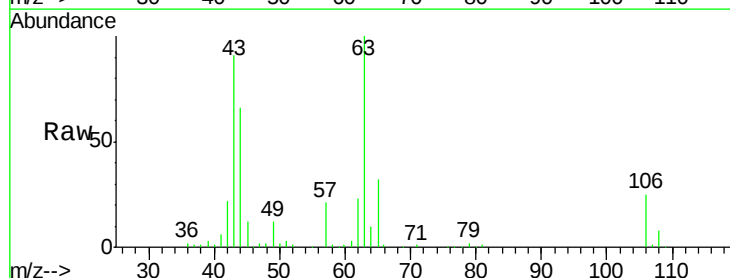
Instrument :
 MSVOA_D
 ClientSampled :

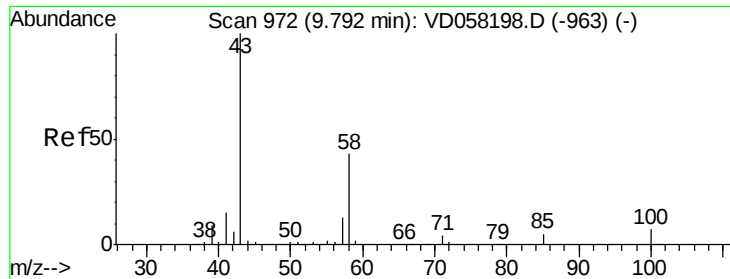
Tot Ion: 76 Resp: 215156
 Ion Ratio Lower Upper
 76 100
 78 31.5 27.0 40.6



#58
 2-Chloroethyl Vinyl ether
 Concen: 114.902 ug/l
 RT: 8.20 min Scan# 810
 Delta R.T. 0.01 min
 Lab File: VD058366.D
 Acq: 24 Jun 2018 12:36

Tgt Ion: 63 Resp: 390850
 Ion Ratio Lower Upper
 63 100
 106 25.3 18.0 27.0

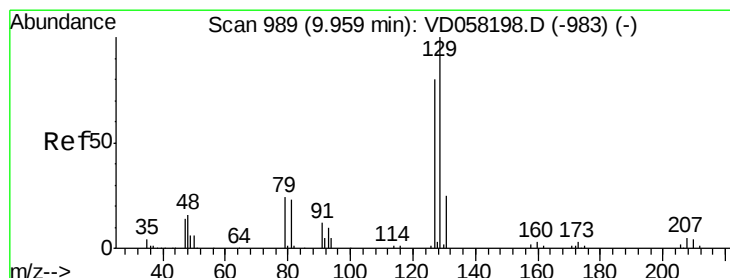
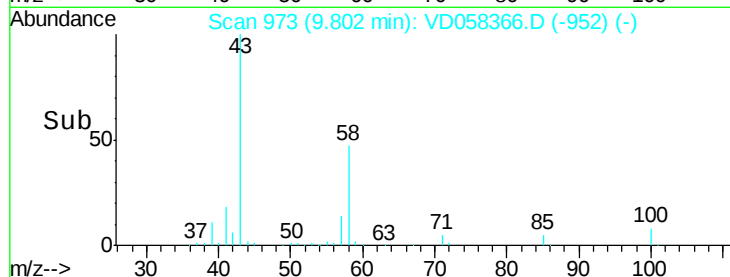
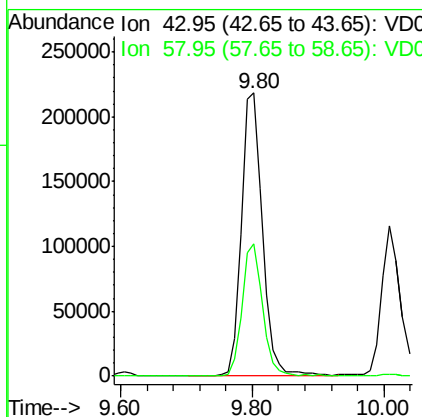
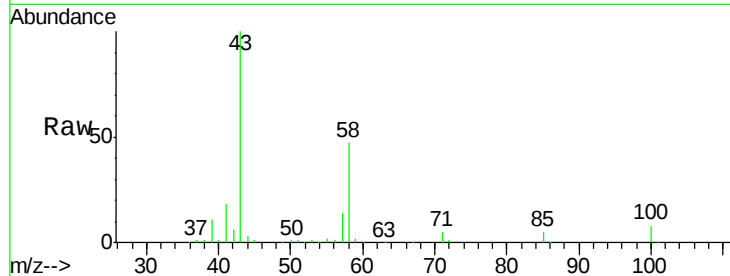




#59
2-Hexanone
Concen: 114.469 ug/l
RT: 9.80 min Scan# 973
Delta R.T. 0.01 min
Lab File: VD058366.D
Acq: 24 Jun 2018 12:36

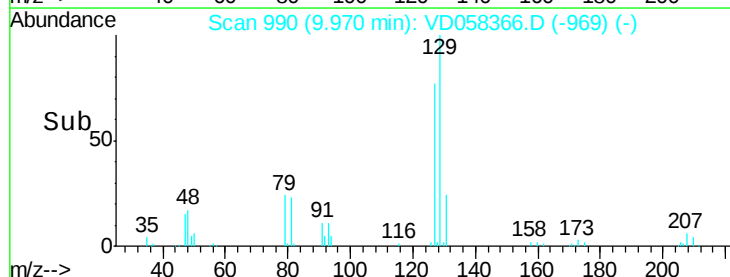
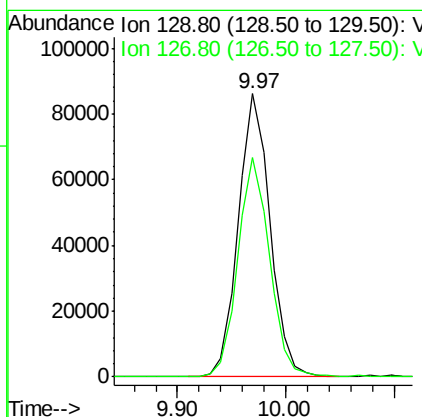
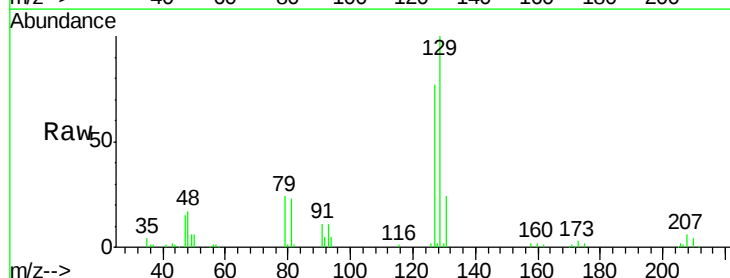
Instrument :
MSVOA_D
ClientSampled :

Tot Ion: 43 Resp: 490647
Ion Ratio Lower Upper
43 100
58 46.9 21.7 65.1



#60
Dibromochloromethane
Concen: 22.569 ug/l
RT: 9.97 min Scan# 990
Delta R.T. 0.01 min
Lab File: VD058366.D
Acq: 24 Jun 2018 12:36

Tgt Ion:129 Resp: 175975
Ion Ratio Lower Upper
129 100
127 77.5 39.8 119.4

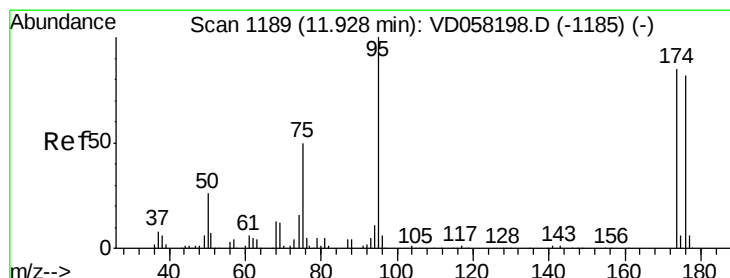
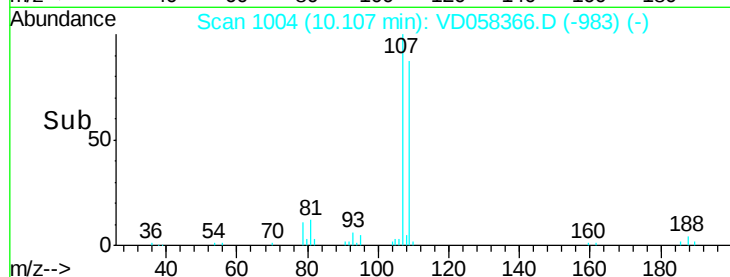
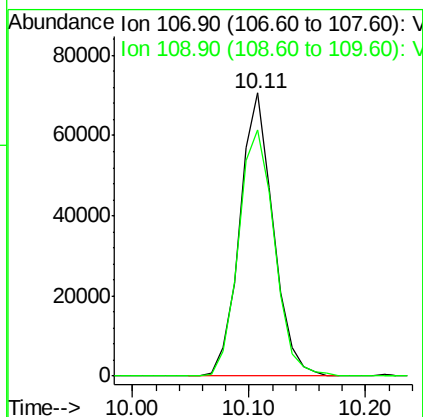
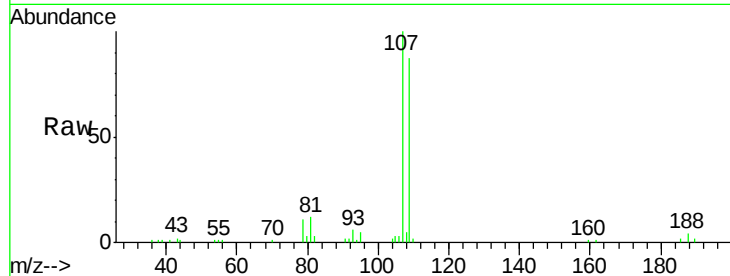




#61
 1,2-Dibromoethane
 Concen: 22.255 ug/l
 RT: 10.11 min Scan# 1004
 Delta R.T. 0.01 min
 Lab File: VD058366.D
 Acq: 24 Jun 2018 12:36

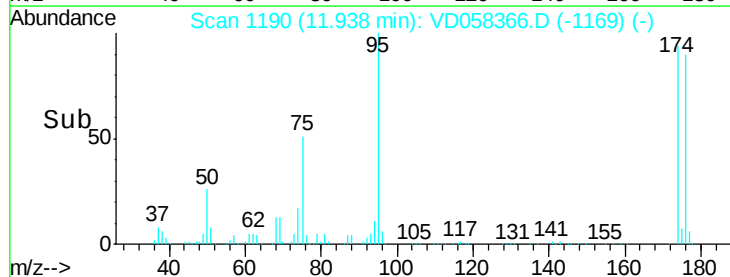
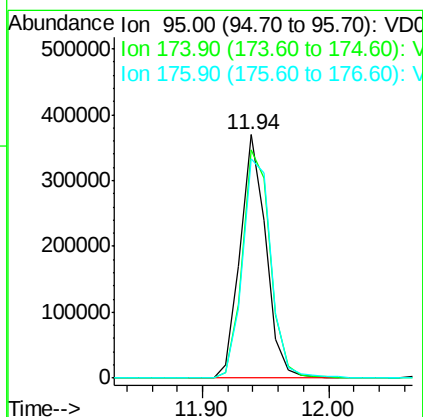
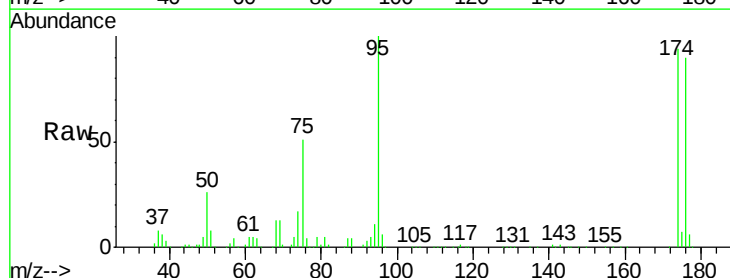
Instrument :
 MSVOA_D
 ClientSampleId :

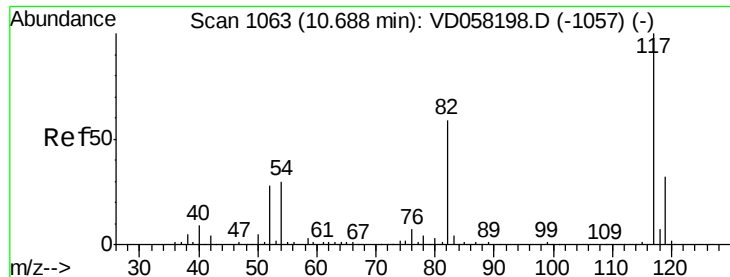
Tot Ion: 107 Resp: 139948
 Ion Ratio Lower Upper
 107 100
 109 87.0 74.8 112.2



#62
 4-Bromofluorobenzene
 Concen: 22.255 ug/l
 RT: 11.94 min Scan# 1190
 Delta R.T. 0.01 min
 Lab File: VD058366.D
 Acq: 24 Jun 2018 12:36

Tgt Ion: 95 Resp: 518750
 Ion Ratio Lower Upper
 95 100
 174 94.0 0.0 170.2
 176 90.1 0.0 164.6

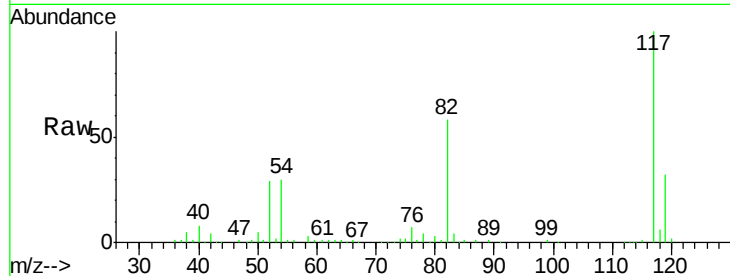




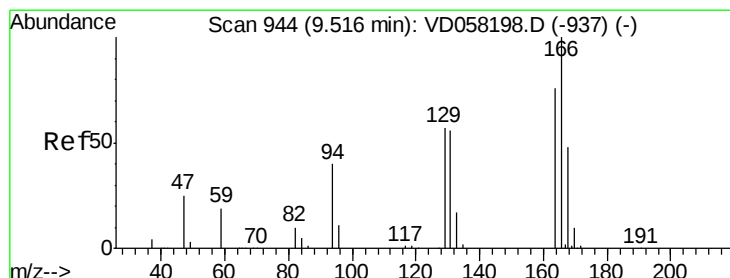
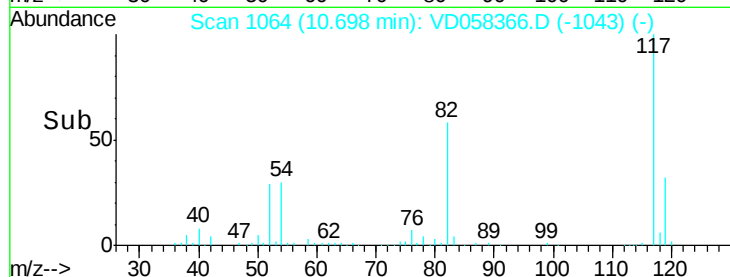
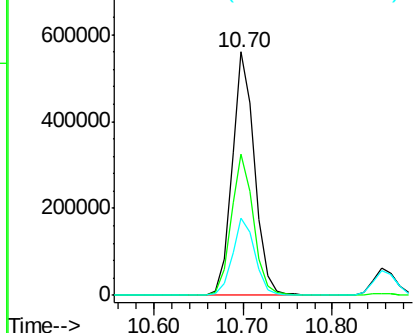
#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 10.70 min Scan# 1064
Delta R.T. 0.01 min
Lab File: VD058366.D
Acq: 24 Jun 2018 12:36

Instrument :
MSVOA_D
ClientSampleId :

Tot Ion:117 Resp: 987959
Ion Ratio Lower Upper
117 100
82 57.9 47.0 70.6
119 31.9 25.3 37.9

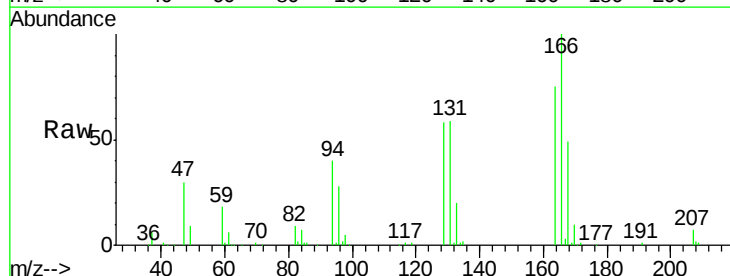


Abundance Ion 116.95 (116.65 to 117.65): V
Ion 82.05 (81.75 to 82.75): V
Ion 118.95 (118.65 to 119.65): V

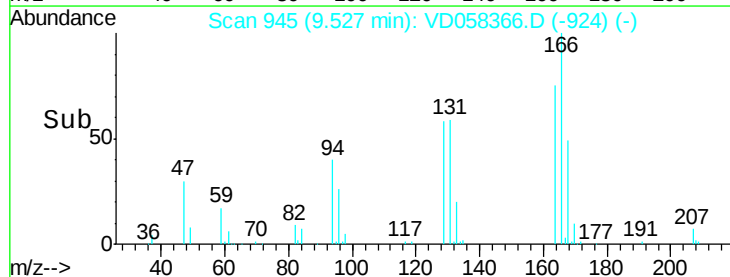
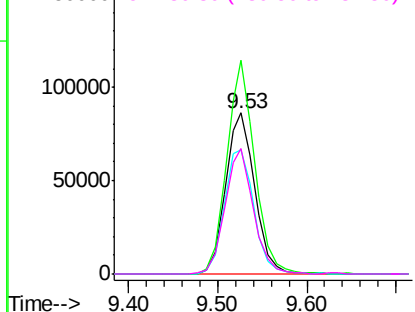


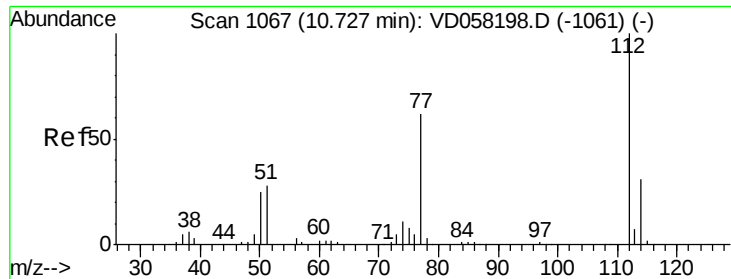
#64
Tetrachloroethene
Concen: 23.664 ug/l
RT: 9.53 min Scan# 945
Delta R.T. 0.01 min
Lab File: VD058366.D
Acq: 24 Jun 2018 12:36

Tgt Ion:164 Resp: 196715
Ion Ratio Lower Upper
164 100
166 132.5 105.4 158.0
129 77.2 59.6 89.4
131 77.6 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

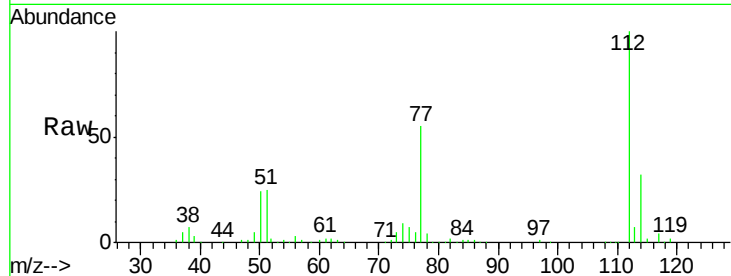




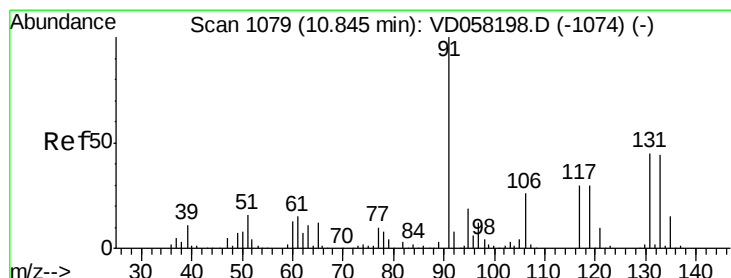
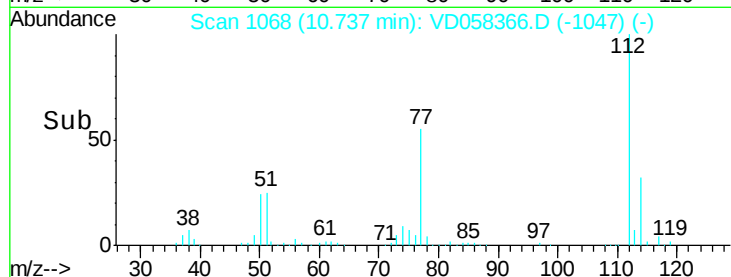
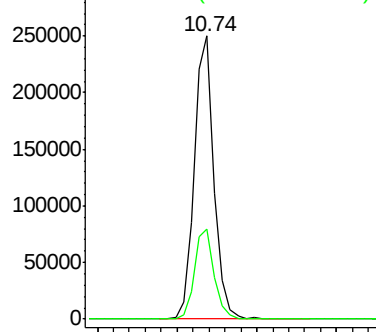
#65
Chlorobenzene
Concen: 23.502 ug/l
RT: 10.74 min Scan# 1068
Delta R.T. 0.01 min
Lab File: VD058366.D
Acq: 24 Jun 2018 12:36

Instrument :
MSVOA_D
ClientSampled :

Tot Ion:112 Resp: 434324
Ion Ratio Lower Upper
112 100
114 31.9 25.0 37.4

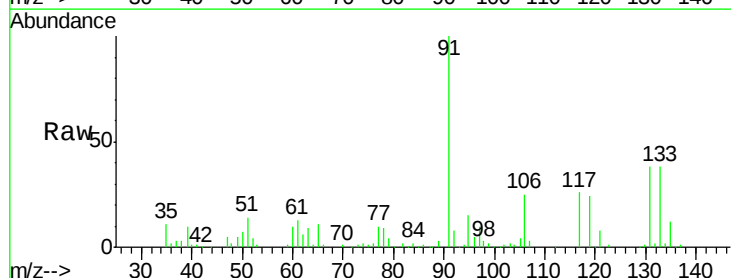


Abundance Ion 111.90 (111.60 to 112.60): V
Ion 114.00 (113.70 to 114.70): V

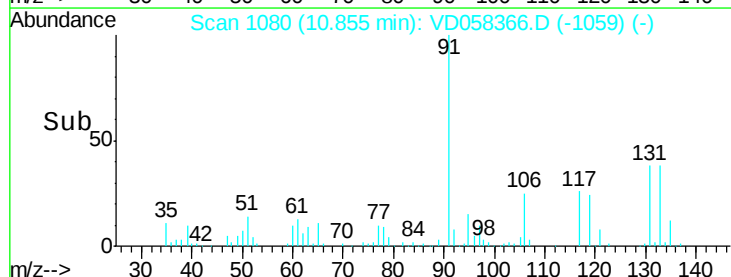
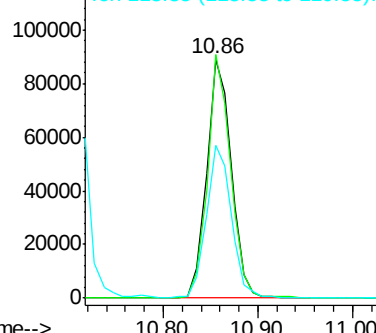


#66
1,1,1,2-Tetrachloroethane
Concen: 22.452 ug/l
RT: 10.86 min Scan# 1080
Delta R.T. 0.01 min
Lab File: VD058366.D
Acq: 24 Jun 2018 12:36

Tgt Ion:131 Resp: 160119
Ion Ratio Lower Upper
131 100
133 102.0 48.6 145.9
119 63.7 33.0 99.0



Abundance Ion 130.90 (130.60 to 131.60): V
Ion 132.90 (132.60 to 133.60): V
Ion 118.85 (118.55 to 119.55): V

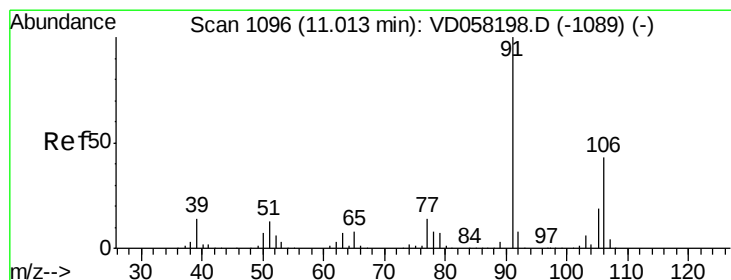
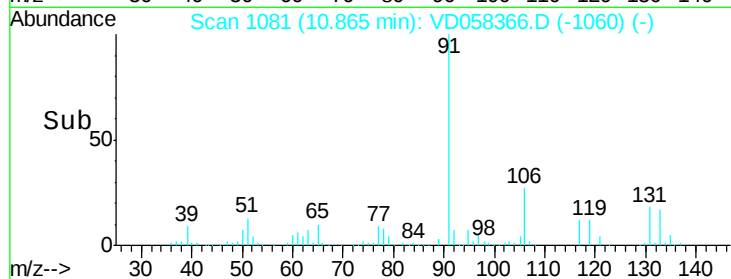
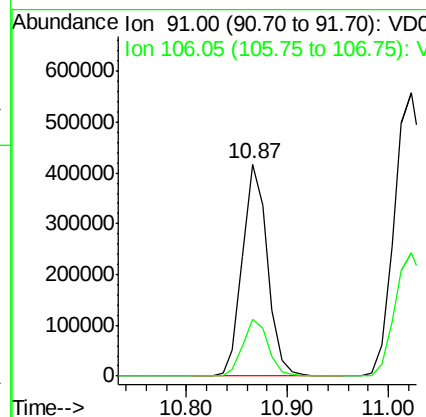
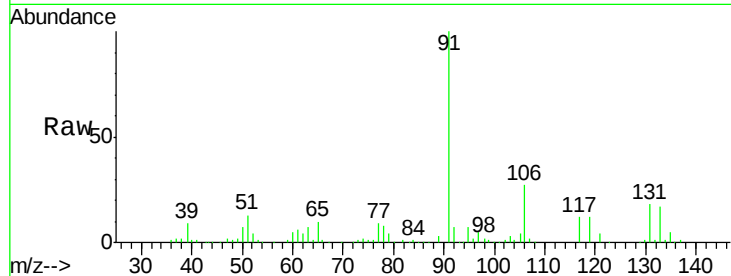




#67
Ethyl Benzene
Concen: 22.174 ug/l
RT: 10.87 min Scan# 1081
Delta R.T. 0.01 min
Lab File: VD058366.D
Acq: 24 Jun 2018 12:36

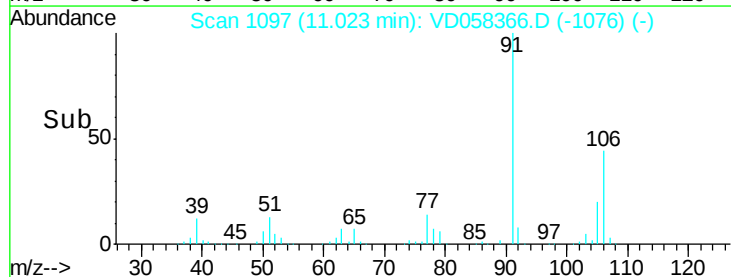
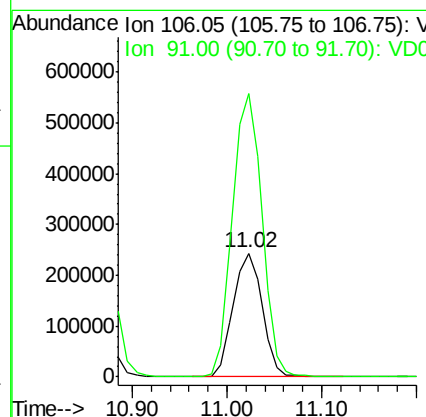
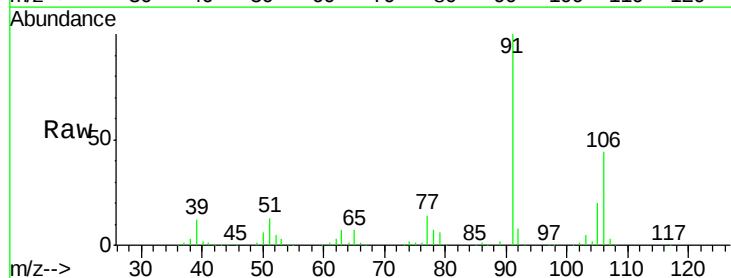
Instrument :
MSVOA_D
ClientSampled :

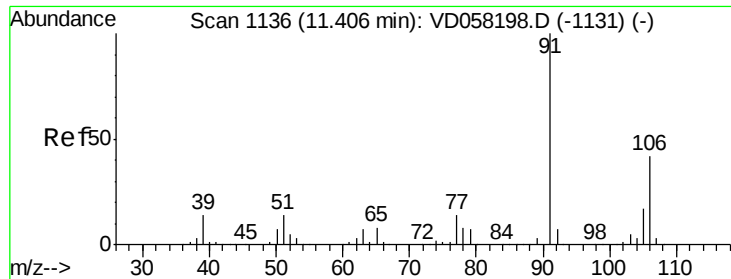
Tot Ion: 91 Resp: 723438
Ion Ratio Lower Upper
91 100
106 26.9 22.0 33.0



#68
m/p-Xylenes
Concen: 47.944 ug/l
RT: 11.02 min Scan# 1097
Delta R.T. 0.01 min
Lab File: VD058366.D
Acq: 24 Jun 2018 12:36

Tgt Ion: 106 Resp: 521634
Ion Ratio Lower Upper
106 100
91 228.8 185.0 277.6

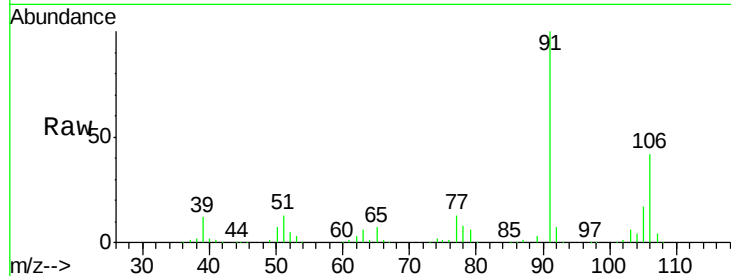




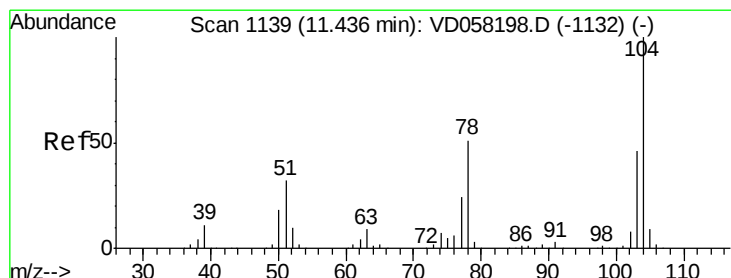
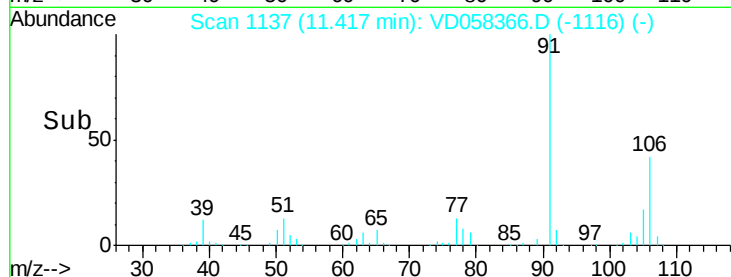
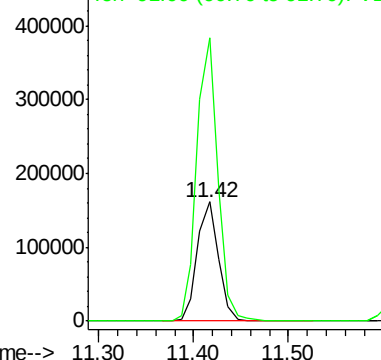
#69
o-Xylene
Concen: 24.275 ug/l
RT: 11.42 min Scan# 1137
Delta R.T. 0.01 min
Lab File: VD058366.D
Acq: 24 Jun 2018 12:36

Instrument :
MSVOA_D
ClientSampleId :

Tot Ion:106 Resp: 252257
Ion Ratio Lower Upper
106 100
91 237.1 120.2 360.6

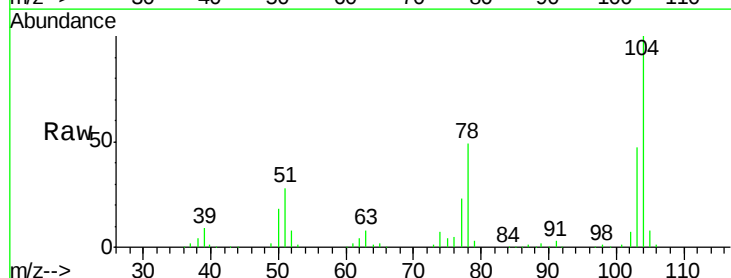


Abundance Ion 106.05 (105.75 to 106.75): V
Ion 91.00 (90.70 to 91.70): VDC

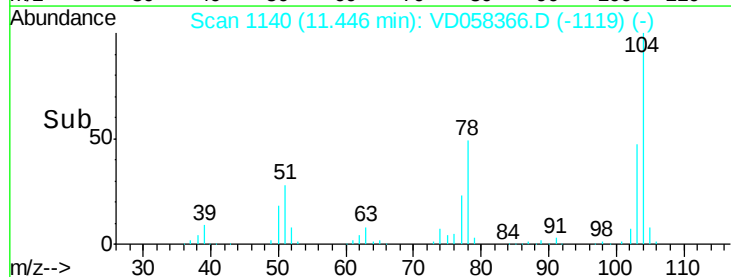
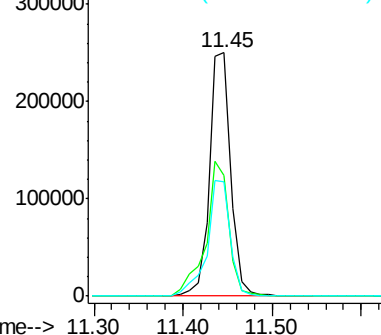


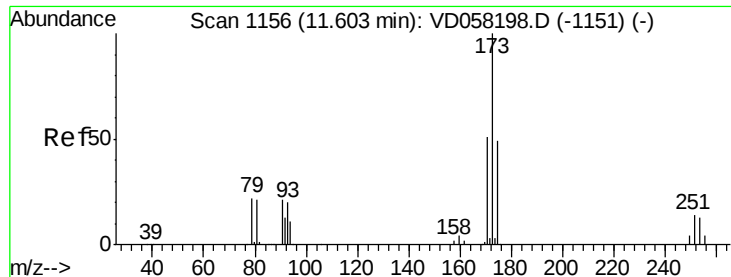
#70
Styrene
Concen: 23.567 ug/l
RT: 11.45 min Scan# 1140
Delta R.T. 0.01 min
Lab File: VD058366.D
Acq: 24 Jun 2018 12:36

Tgt Ion:104 Resp: 417894
Ion Ratio Lower Upper
104 100
78 49.4 40.8 61.2
103 46.7 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

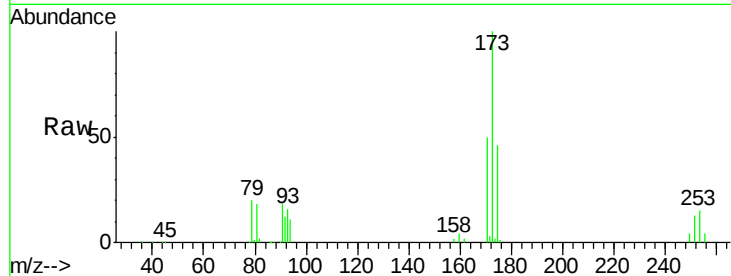




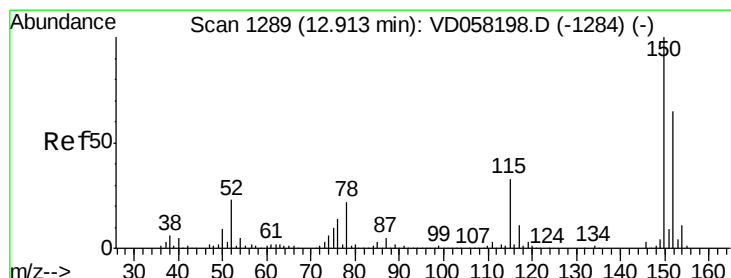
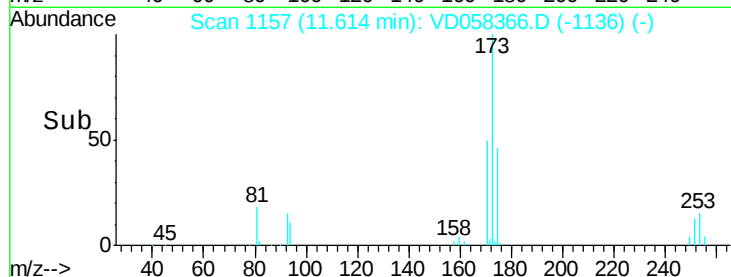
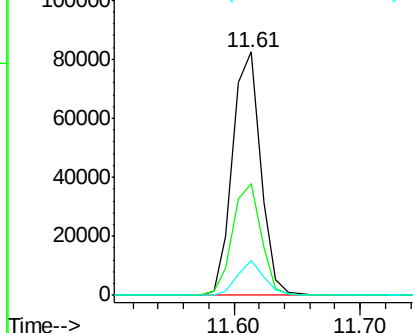
#71
Bromoform
Concen: 22.292 ug/l
RT: 11.61 min Scan# 1157
Delta R.T. 0.01 min
Lab File: VD058366.D
Acq: 24 Jun 2018 12:36

Instrument :
MSVOA_D
ClientSampled :

Tot Ion:173 Resp: 126822
Ion Ratio Lower Upper
173 100
175 45.9 24.6 74.0
254 14.6 10.3 15.5

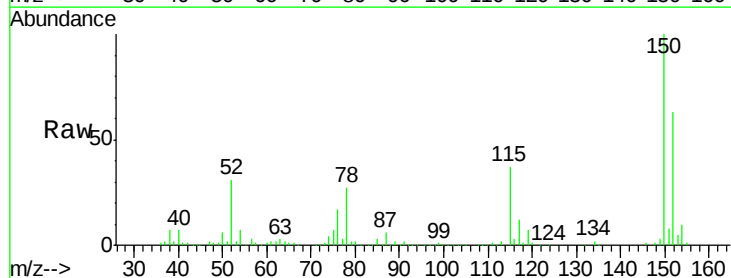


Abundance Ion 172.80 (172.50 to 173.50): V
Ion 174.80 (174.50 to 175.50): V
Ion 253.70 (253.40 to 254.40): V

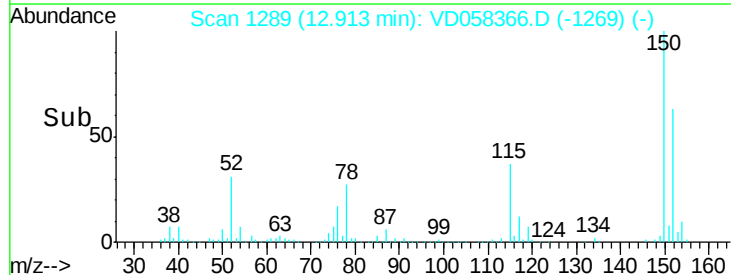
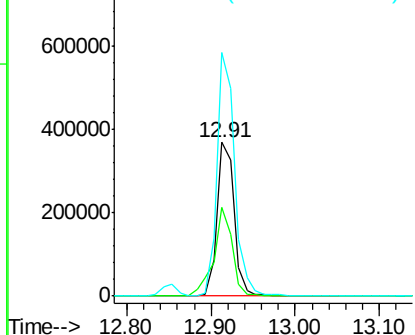


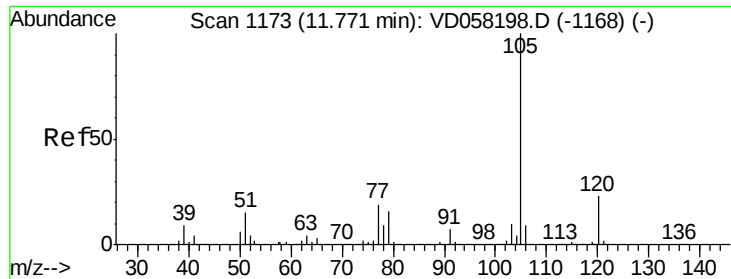
#72
1,4-Dichlorobenzene-d4
Concen: 50.000 ug/l
RT: 12.91 min Scan# 1289
Delta R.T. 0.00 min
Lab File: VD058366.D
Acq: 24 Jun 2018 12:36

Tgt Ion:152 Resp: 521578
Ion Ratio Lower Upper
152 100
115 58.2 25.1 75.3
150 158.7 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: 22.843 ug/l

RT: 11.78 min Scan# 1174

Delta R.T. 0.01 min

Lab File: VD058366.D

Acq: 24 Jun 2018 12:36

Instrument :

MSVOA_D

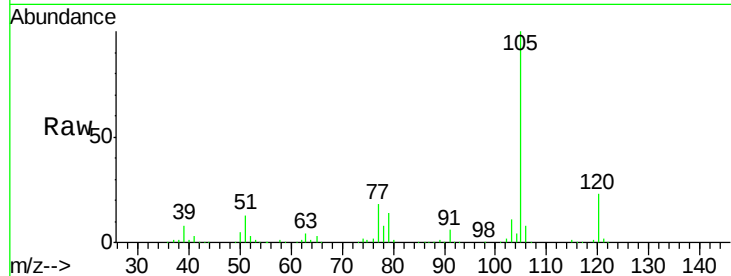
ClientSampleId :

Tot Ion: 105 Resp: 712662

Ion Ratio Lower Upper

105 100

120 23.0 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

500000

400000

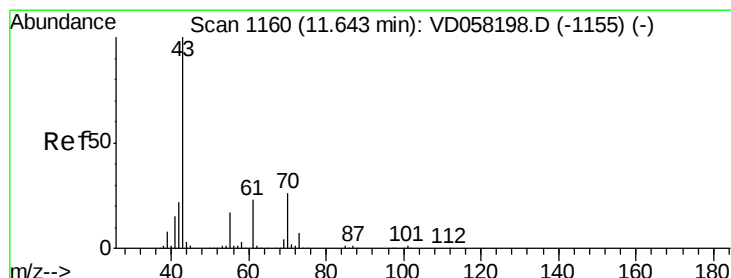
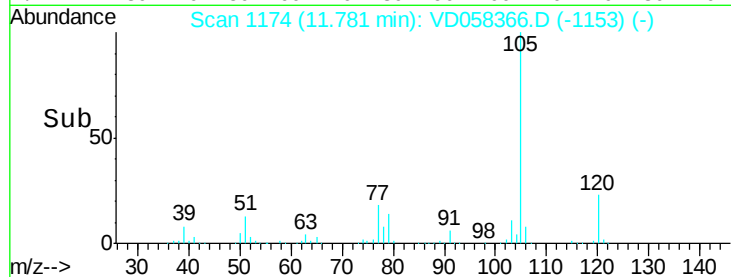
300000

200000

100000

0

Time-->



#74

N-ethyl acetate

Concen: 21.065 ug/l

RT: 11.65 min Scan# 1161

Delta R.T. 0.01 min

Lab File: VD058366.D

Acq: 24 Jun 2018 12:36

Tgt Ion: 43 Resp: 254100

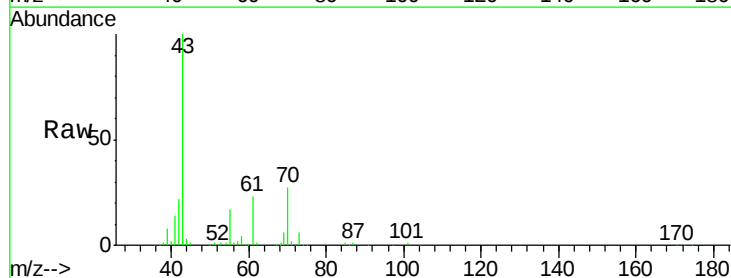
Ion Ratio Lower Upper

43 100

70 27.0 20.9 31.3

55 17.3 13.5 20.3

61 22.8 18.2 27.2



Abundance Ion 42.95 (42.65 to 43.65): V

Ion 70.00 (69.70 to 70.70): V

Ion 55.00 (54.70 to 55.70): V

Ion 60.95 (60.65 to 61.65): V

11.65

250000

200000

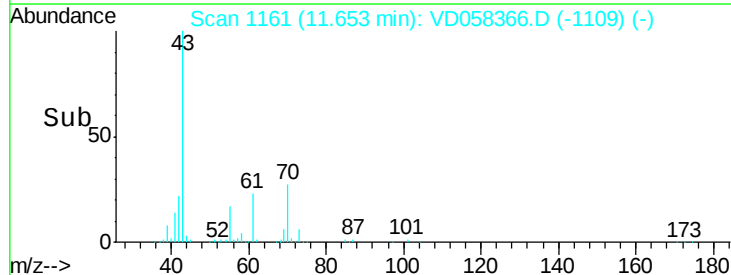
150000

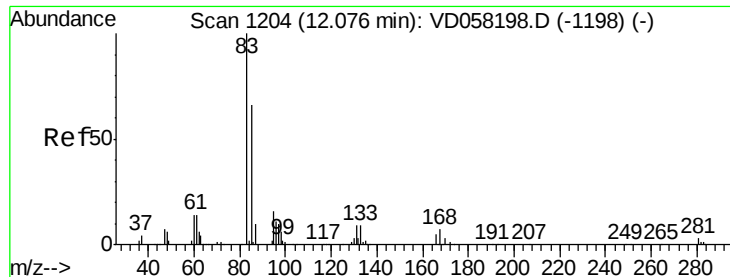
100000

50000

0

Time-->





#75

1,1,2,2-Tetrachloroethane

Concen: 21.215 ug/l

RT: 12.09 min Scan# 1205

Delta R.T. 0.01 min

Lab File: VD058366.D

Acq: 24 Jun 2018 12:36

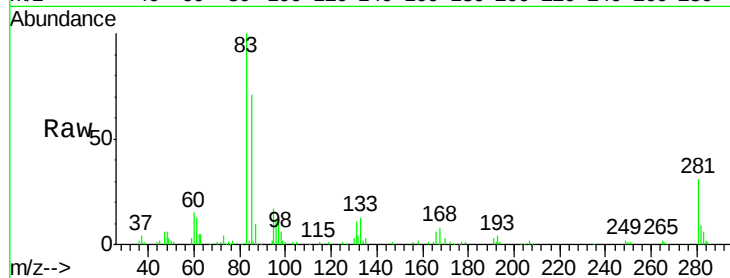
Instrument :

MSVOA_D

ClientSampled :

Tot Ion: 83 Resp: 154023

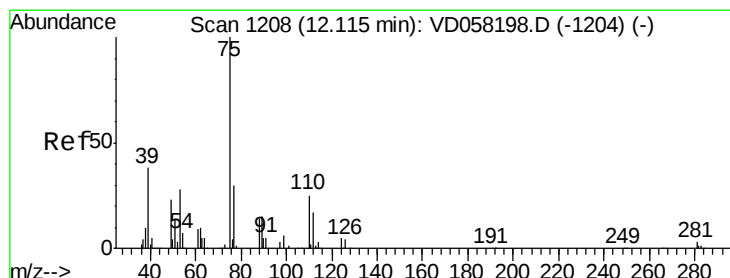
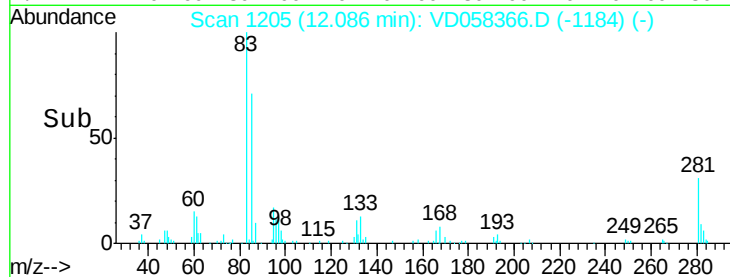
Ion	Ratio	Lower	Upper
83	100		
131	10.8	4.8	14.3
85	70.8	33.1	99.5



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: 21.878 ug/l

RT: 12.12 min Scan# 1208

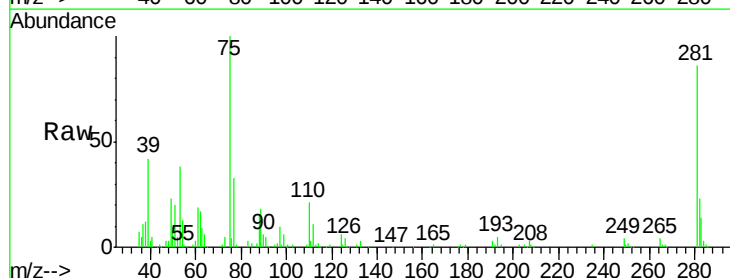
Delta R.T. 0.00 min

Lab File: VD058366.D

Acq: 24 Jun 2018 12:36

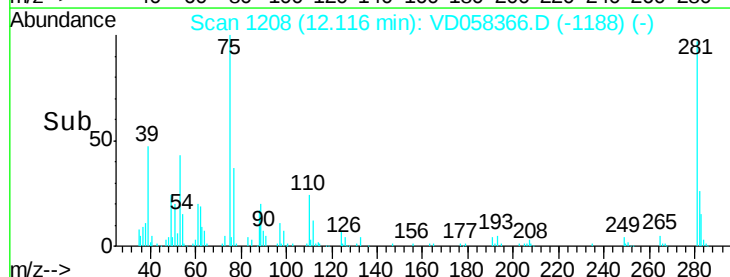
Tgt Ion: 75 Resp: 166606

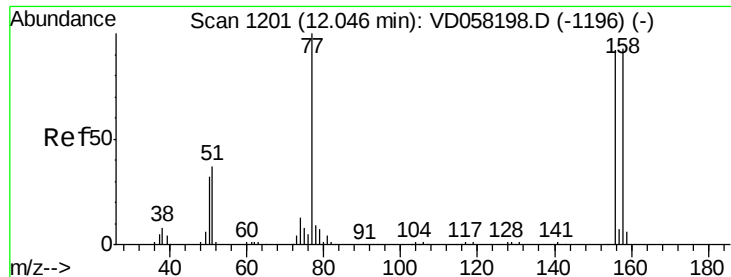
Ion	Ratio	Lower	Upper
75	100		
77	32.9	16.0	47.9



Abundance Ion 75.00 (74.70 to 75.70): VDC

Ion 76.95 (76.65 to 77.65): VDC





#77

Bromobenzene

Concen: 22.680 ug/l

RT: 12.05 min Scan# 1201

Delta R.T. 0.00 min

Lab File: VD058366.D

Acq: 24 Jun 2018 12:36

Instrument :

MSVOA_D

ClientSampleId :

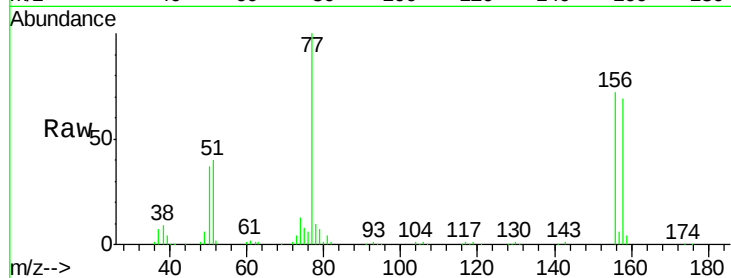
Tot Ion:156 Resp: 211881

Ion Ratio Lower Upper

156 100

77 139.6 54.5 163.6

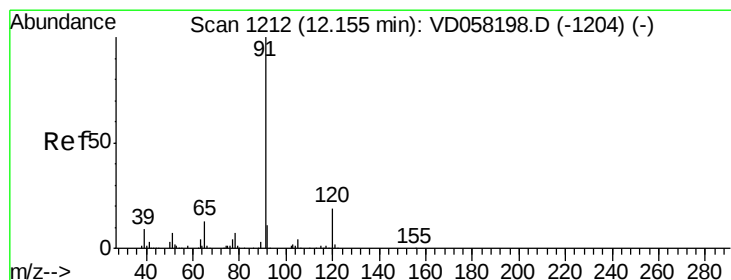
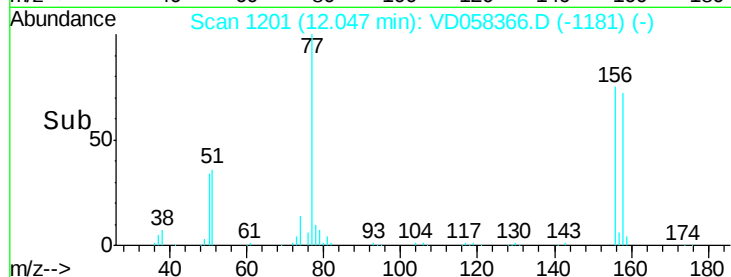
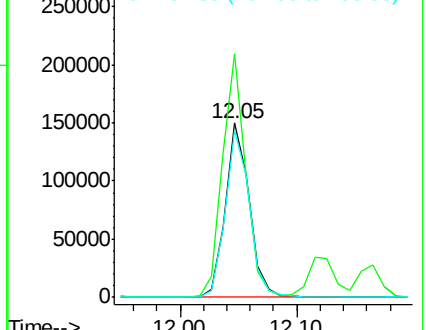
158 95.8 50.8 152.5



Abundance Ion 155.90 (155.60 to 156.60): V

Ion 76.95 (76.65 to 77.65): V

Ion 157.85 (157.55 to 158.55): V



#78

n-propylbenzene

Concen: 23.512 ug/l

RT: 12.16 min Scan# 1213

Delta R.T. 0.01 min

Lab File: VD058366.D

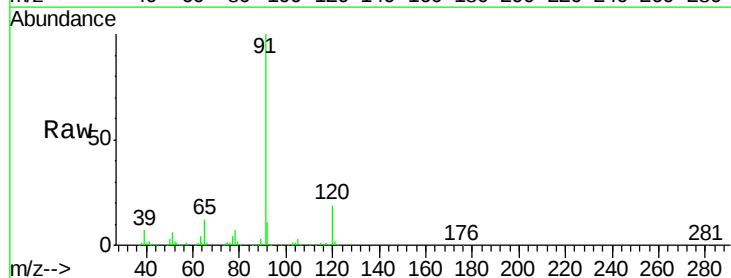
Acq: 24 Jun 2018 12:36

Tgt Ion: 91 Resp: 947262

Ion Ratio Lower Upper

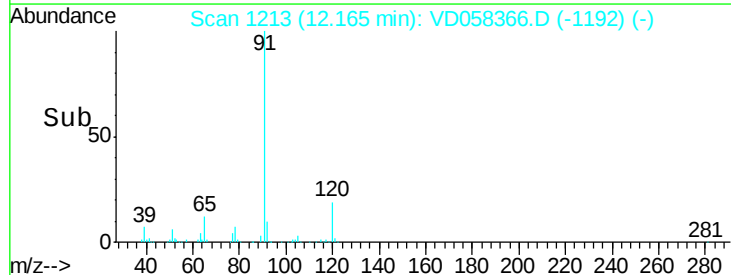
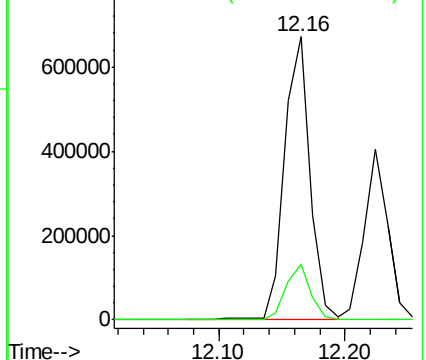
91 100

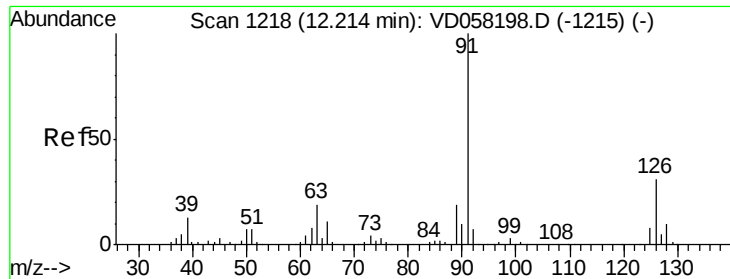
120 19.4 9.7 29.1



Abundance Ion 91.00 (90.70 to 91.70): V

Ion 120.05 (119.75 to 120.75): V

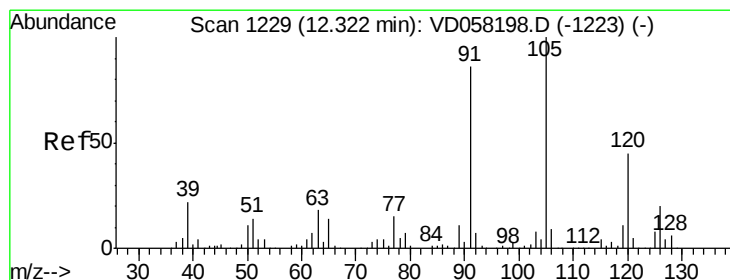
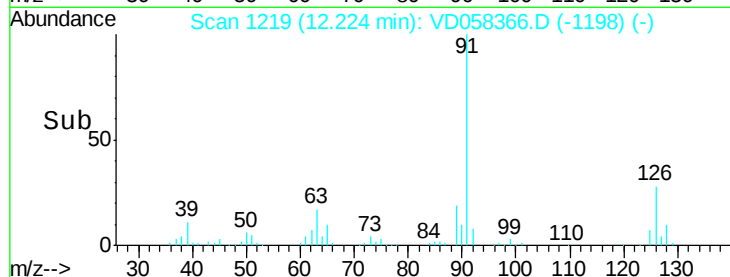
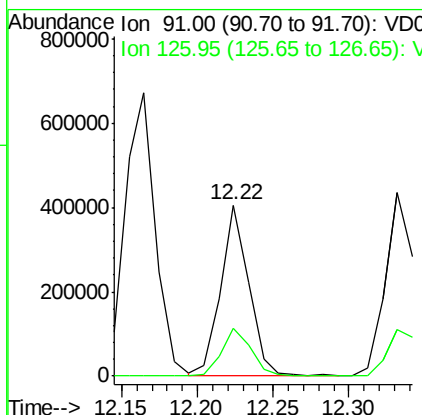
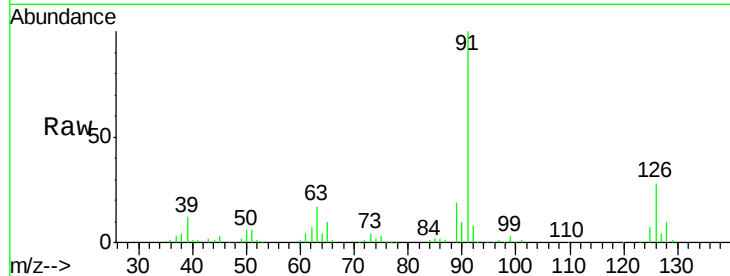




#79
 2-Chlorotoluene
 Concen: 22.600 ug/l
 RT: 12.22 min Scan# 1219
 Delta R.T. 0.01 min
 Lab File: VD058366.D
 Acq: 24 Jun 2018 12:36

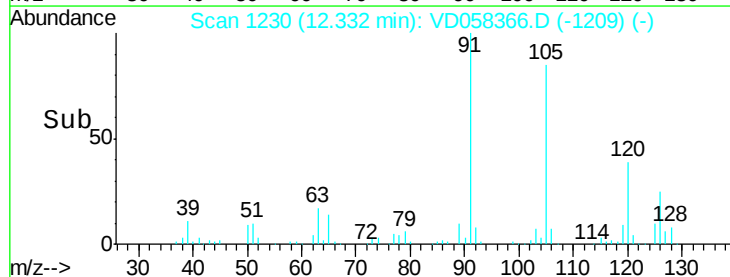
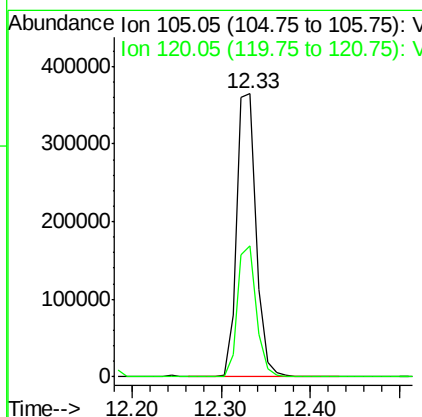
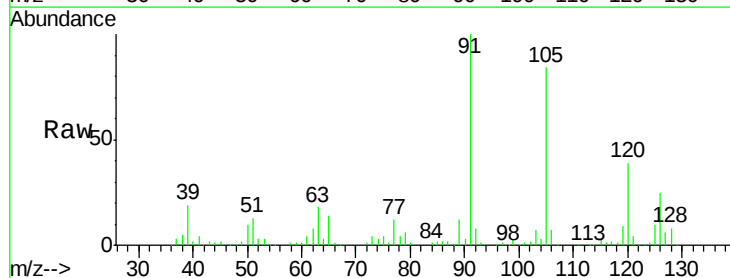
Instrument :
 MSVOA_D
 ClientSampled :

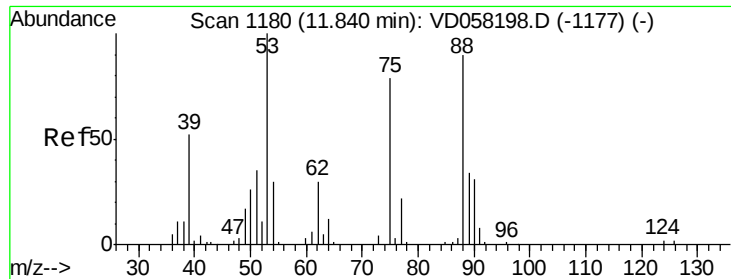
Tot Ion: 91 Resp: 521039
 Ion Ratio Lower Upper
 91 100
 126 28.3 14.9 44.5



#80
 1,3,5-Trimethylbenzene
 Concen: 23.072 ug/l
 RT: 12.33 min Scan# 1230
 Delta R.T. 0.01 min
 Lab File: VD058366.D
 Acq: 24 Jun 2018 12:36

Tgt Ion: 105 Resp: 561427
 Ion Ratio Lower Upper
 105 100
 120 46.2 22.5 67.5





#81

trans-1,4-Dichloro-2-butene

Concen: 19.178 ug/l

RT: 11.85 min Scan# 1181

Delta R.T. 0.01 min

Lab File: VD058366.D

Acq: 24 Jun 2018 12:36

Instrument :

MSVOA_D

ClientSampled :

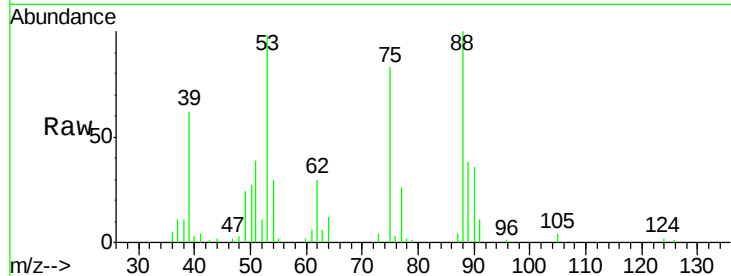
Tot Ion: 75 Resp: 35619

Ion Ratio Lower Upper

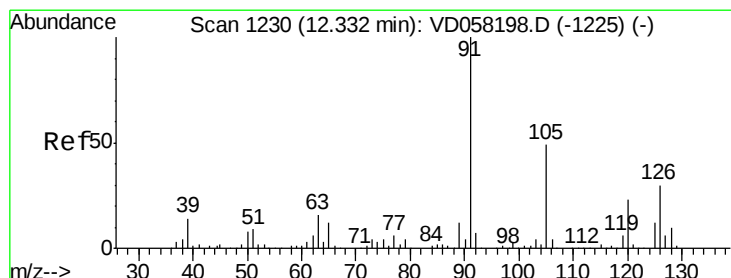
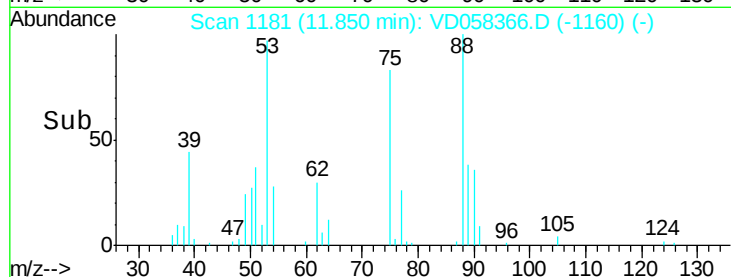
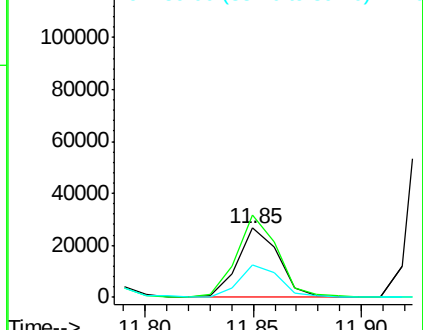
75 100

53 118.7 100.8 151.2

89 45.9 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: 23.567 ug/l

RT: 12.33 min Scan# 1230

Delta R.T. 0.00 min

Lab File: VD058366.D

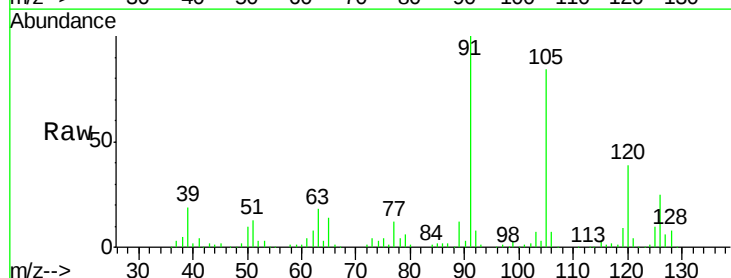
Acq: 24 Jun 2018 12:36

Tgt Ion: 91 Resp: 594123

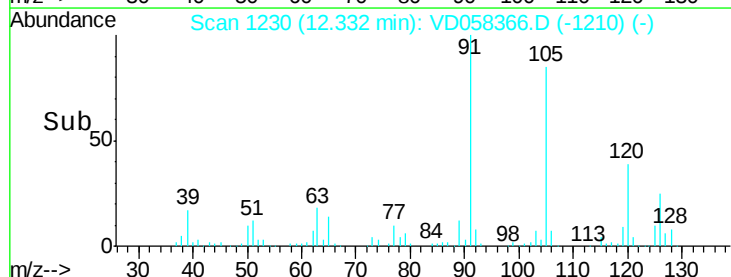
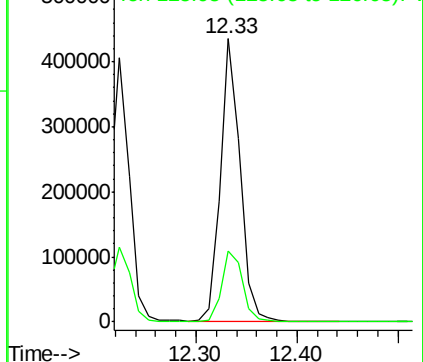
Ion Ratio Lower Upper

91 100

126 25.1 14.9 44.9



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

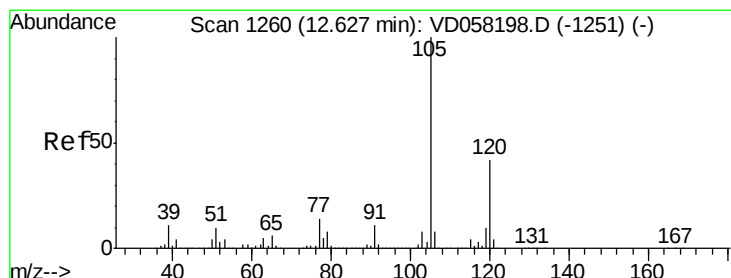
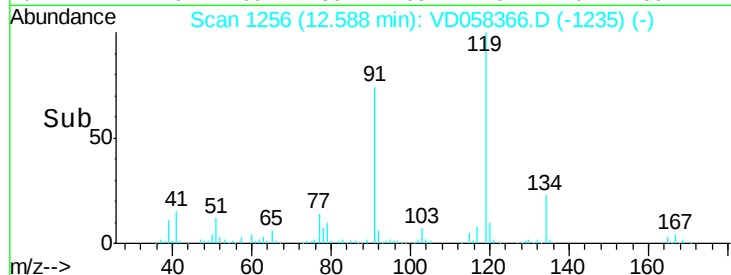
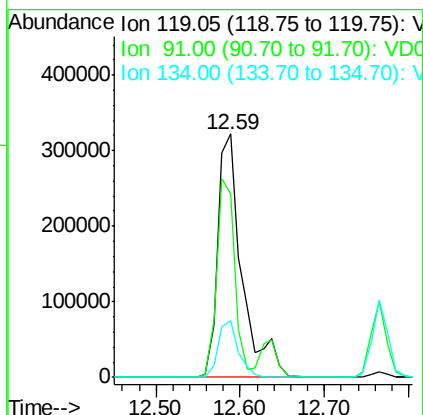
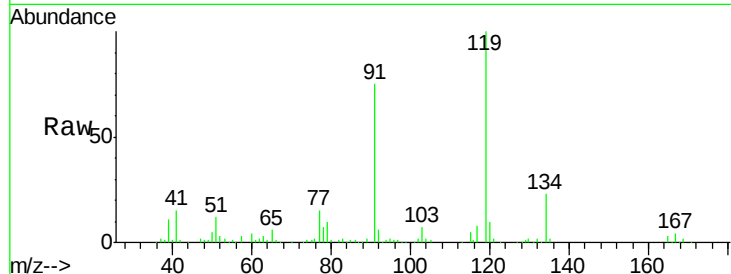




#83
tert-Butylbenzene
Concen: 22.923 ug/l
RT: 12.59 min Scan# 1256
Delta R.T. 0.01 min
Lab File: VD058366.D
Acq: 24 Jun 2018 12:36

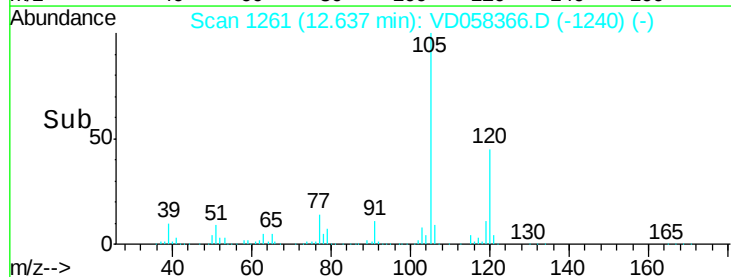
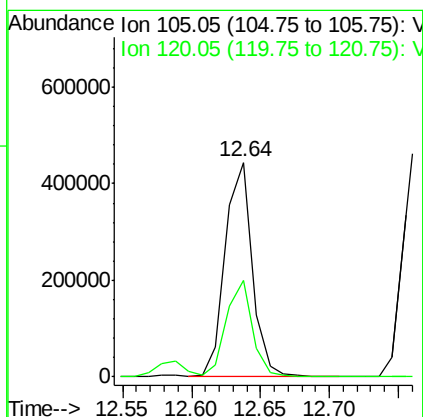
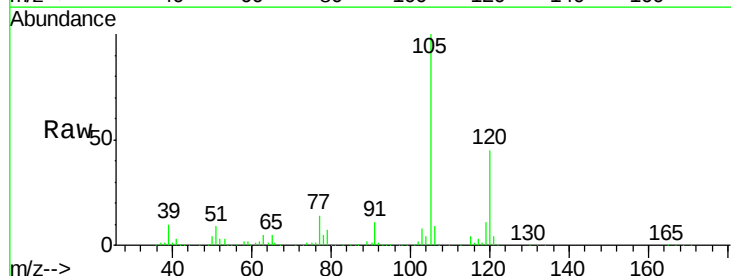
Instrument :
MSVOA_D
ClientSampleId :

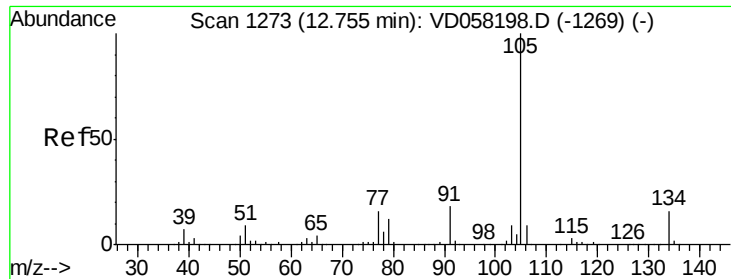
Tot Ion:119 Resp: 641294
Ion Ratio Lower Upper
119 100
91 75.1 38.9 116.6
134 23.1 11.2 33.5



#84
1,2,4-Trimethylbenzene
Concen: 22.836 ug/l
RT: 12.64 min Scan# 1261
Delta R.T. 0.01 min
Lab File: VD058366.D
Acq: 24 Jun 2018 12:36

Tgt Ion:105 Resp: 604022
Ion Ratio Lower Upper
105 100
120 45.0 20.8 62.4

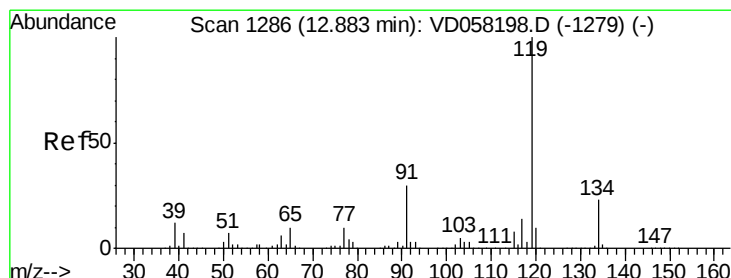
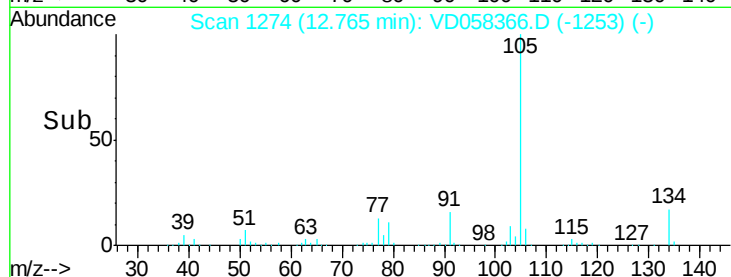
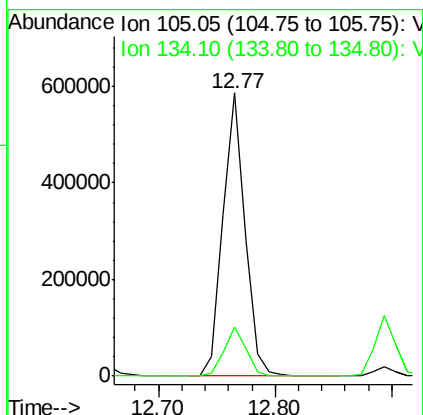
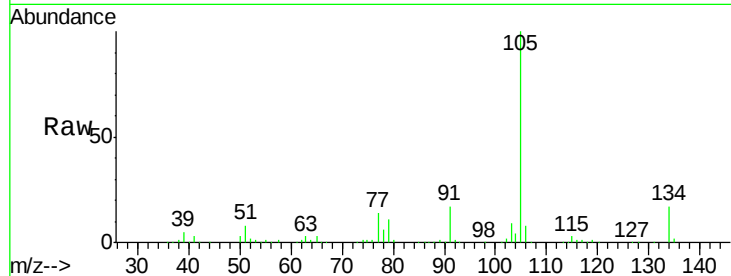




#85
 sec-Butylbenzene
 Concen: 23.475 ug/l
 RT: 12.77 min Scan# 1274
 Delta R.T. 0.01 min
 Lab File: VD058366.D
 Acq: 24 Jun 2018 12:36

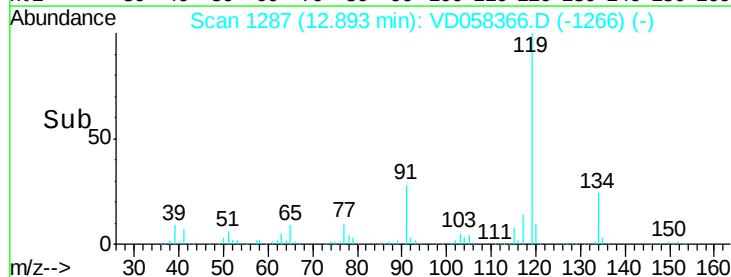
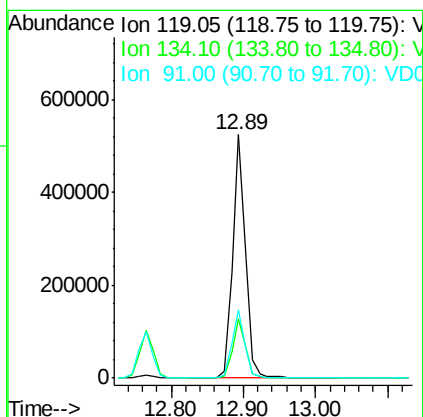
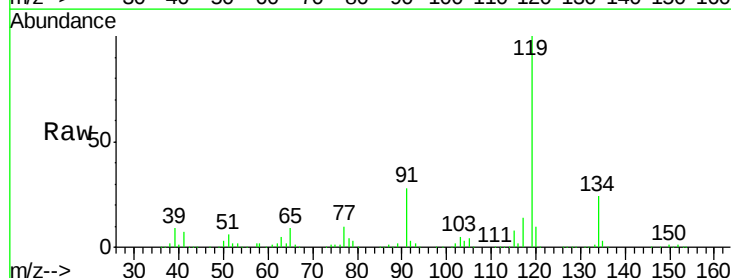
Instrument :
 MSVOA_D
 ClientSampleId :

Tot Ion:105 Resp: 769795
 Ion Ratio Lower Upper
 105 100
 134 17.5 8.1 24.3



#86
 p-Isopropyltoluene
 Concen: 24.215 ug/l
 RT: 12.89 min Scan# 1287
 Delta R.T. 0.01 min
 Lab File: VD058366.D
 Acq: 24 Jun 2018 12:36

Tgt Ion:119 Resp: 643488
 Ion Ratio Lower Upper
 119 100
 134 24.2 11.6 34.8
 91 27.9 15.0 45.1

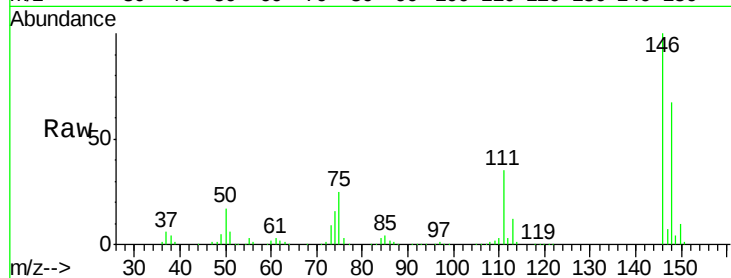




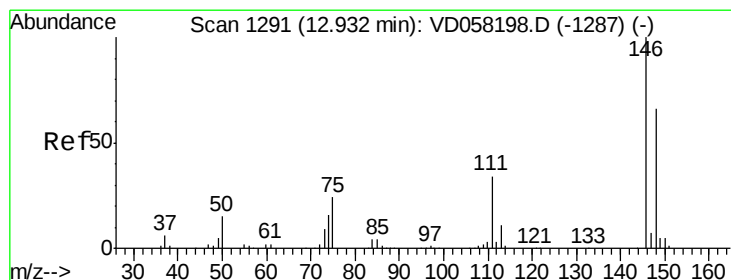
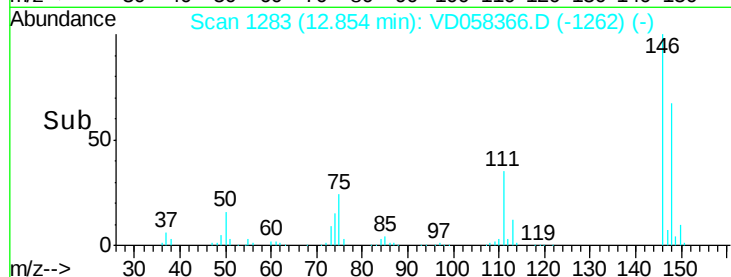
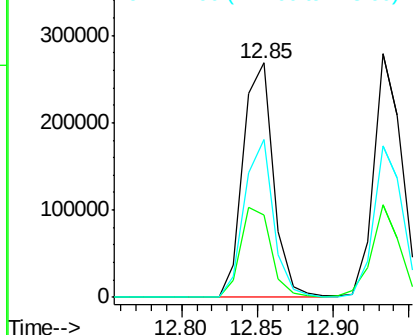
#87
 1,3-Dichlorobenzene
 Concen: 23.176 ug/l
 RT: 12.85 min Scan# 1283
 Delta R.T. 0.01 min
 Lab File: VD058366.D
 Acq: 24 Jun 2018 12:36

Instrument :
 MSVOA_D
 ClientSampleId :

Tot Ion:146 Resp: 376318
 Ion Ratio Lower Upper
 146 100
 111 35.3 18.4 55.0
 148 67.4 32.8 98.4

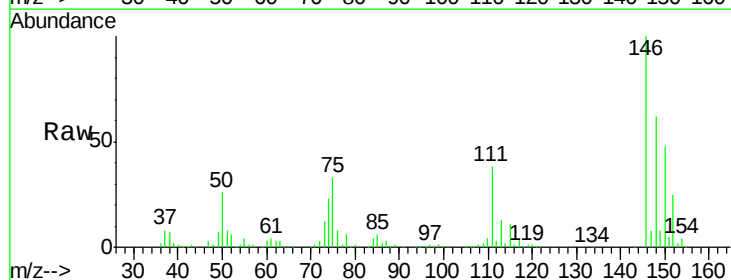


Abundance Ion 145.95 (145.65 to 146.65): V
 Ion 110.90 (110.60 to 111.60): V
 Ion 147.90 (147.60 to 148.60): V

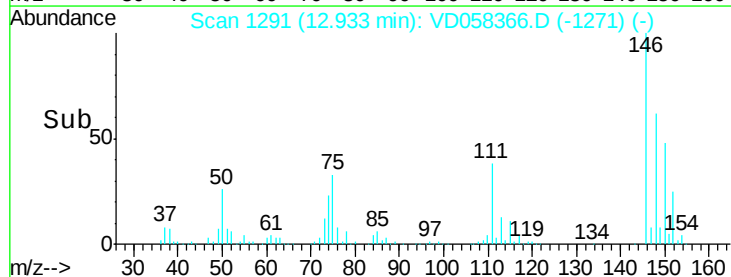
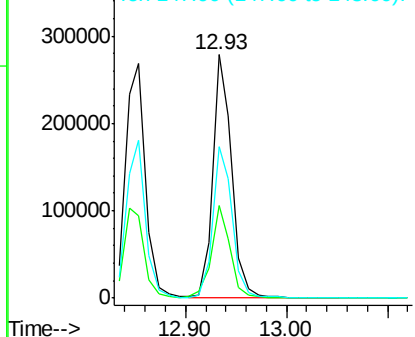


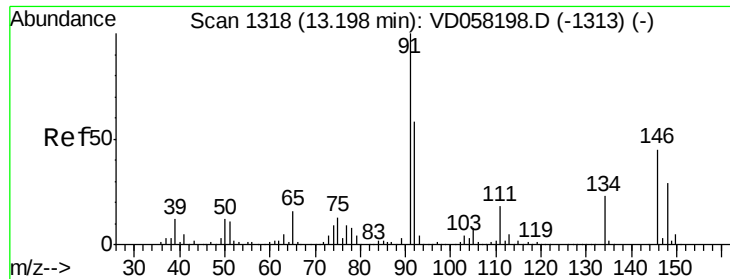
#88
 1,4-Dichlorobenzene
 Concen: 23.022 ug/l
 RT: 12.93 min Scan# 1291
 Delta R.T. 0.00 min
 Lab File: VD058366.D
 Acq: 24 Jun 2018 12:36

Tgt Ion:146 Resp: 365053
 Ion Ratio Lower Upper
 146 100
 111 38.1 17.2 51.5
 148 62.0 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

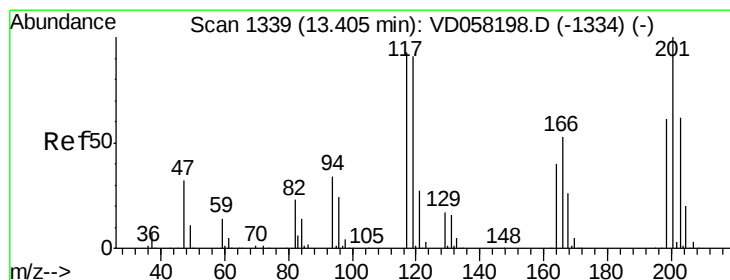
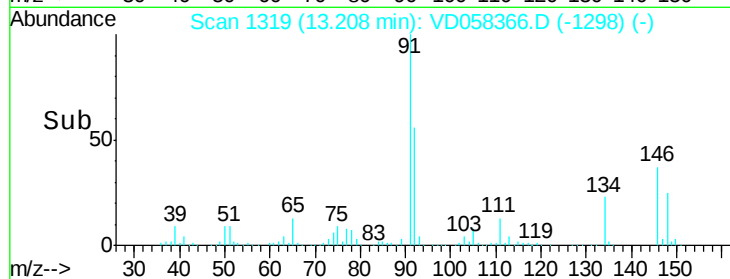
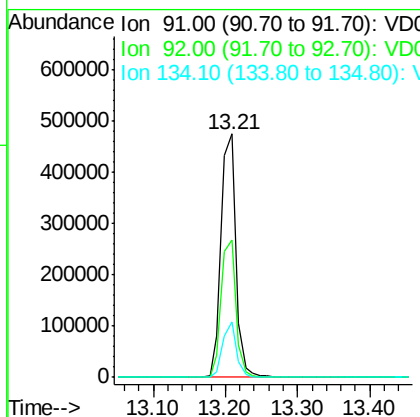
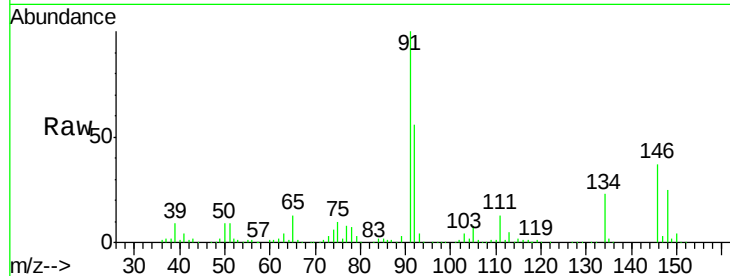




#89
n-Butylbenzene
Concen: 24.009 ug/l
RT: 13.21 min Scan# 1319
Delta R.T. 0.01 min
Lab File: VD058366.D
Acq: 24 Jun 2018 12:36

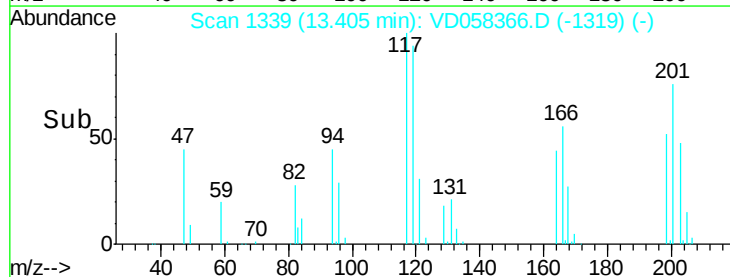
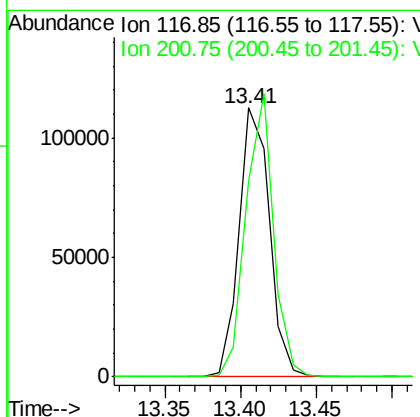
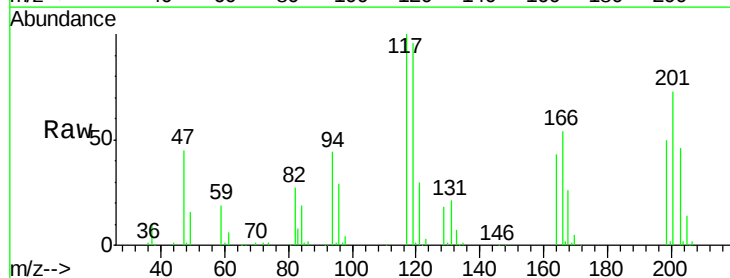
Instrument :
MSVOA_D
ClientSampleId :

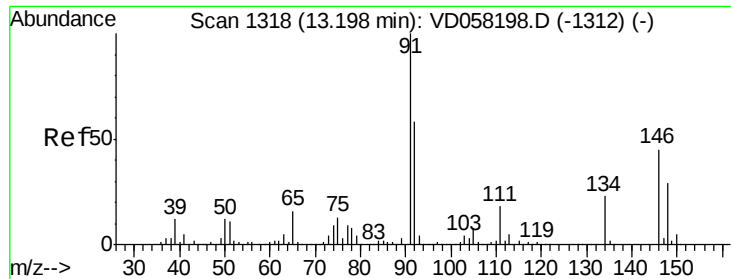
Tot Ion: 91 Resp: 670545
Ion Ratio Lower Upper
91 100
92 56.4 29.2 87.6
134 22.9 11.3 33.8



#90
Hexachloroethane
Concen: 22.716 ug/l
RT: 13.41 min Scan# 1339
Delta R.T. 0.00 min
Lab File: VD058366.D
Acq: 24 Jun 2018 12:36

Tgt Ion: 117 Resp: 156677
Ion Ratio Lower Upper
117 100
201 73.1 53.8 161.4





#91

1,2-Dichlorobenzene

Concen: 23.075 ug/l

RT: 13.20 min Scan# 1318

Delta R.T. 0.00 min

Lab File: VD058366.D

Acq: 24 Jun 2018 12:36

Instrument :

MSVOA_D

ClientSampleId :

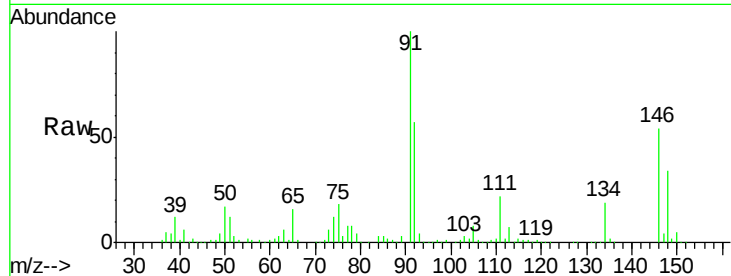
Tot Ion:146 Resp: 318853

Ion Ratio Lower Upper

146 100

111 40.7 19.6 58.7

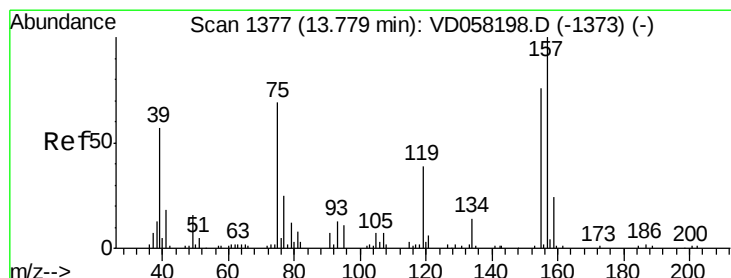
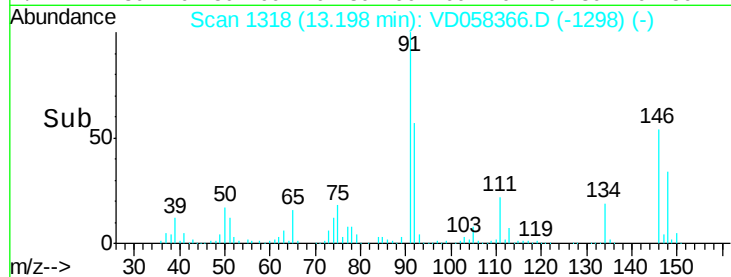
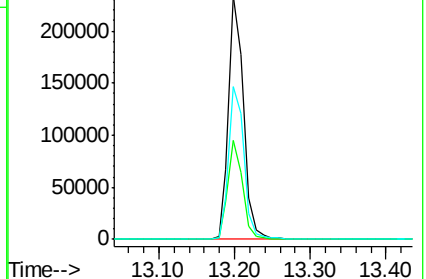
148 62.9 32.0 96.2



Abundance Ion 145.95 (145.65 to 146.65): V

Ion 110.90 (110.60 to 111.60): V

Ion 147.90 (147.60 to 148.60): V



#92

1,2-Dibromo-3-Chloropropane

Concen: 23.596 ug/l

RT: 13.78 min Scan# 1377

Delta R.T. 0.00 min

Lab File: VD058366.D

Acq: 24 Jun 2018 12:36

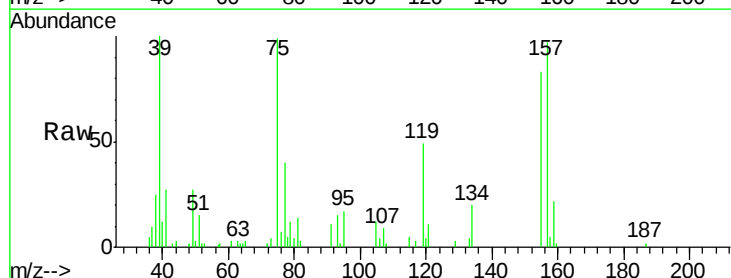
Tgt Ion: 75 Resp: 27264

Ion Ratio Lower Upper

75 100

155 83.7 54.5 163.5

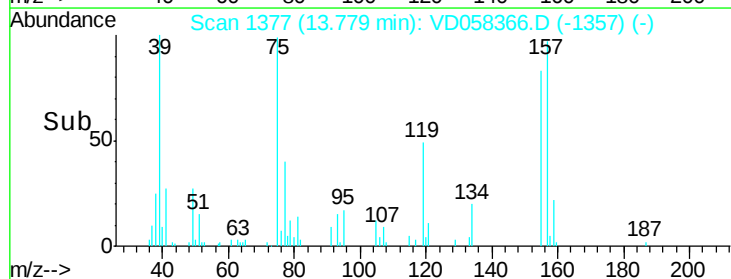
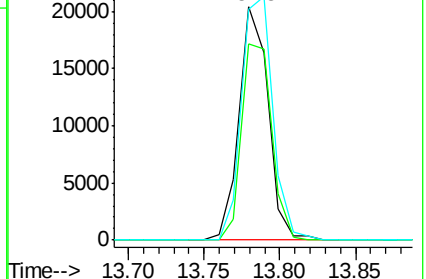
157 98.5 72.0 215.9

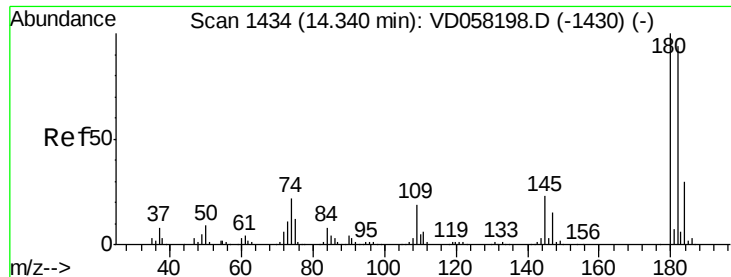


Abundance Ion 75.00 (74.70 to 75.70): V

Ion 154.90 (154.60 to 155.60): V

Ion 156.85 (156.55 to 157.55): V

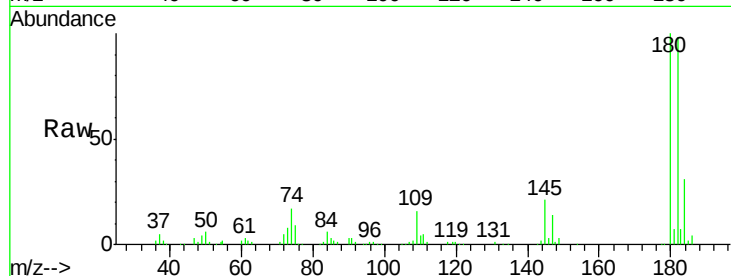




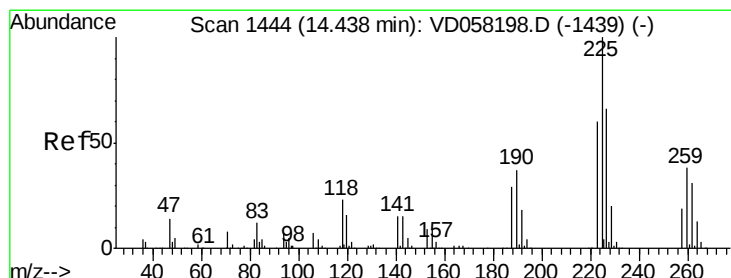
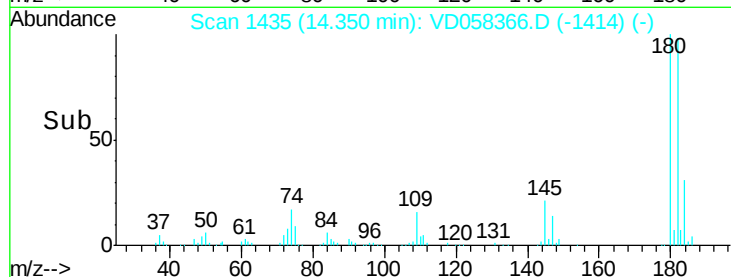
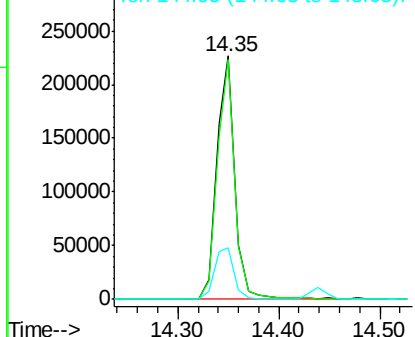
#93
 1,2,4-Trichlorobenzene
 Concen: 21.468 ug/l
 RT: 14.35 min Scan# 1435
 Delta R.T. 0.01 min
 Lab File: VD058366.D
 Acq: 24 Jun 2018 12:36

Instrument :
 MSVOA_D
 ClientSampleId :

Tot Ion:180 Resp: 283723
 Ion Ratio Lower Upper
 180 100
 182 98.4 47.1 141.3
 145 21.1 11.7 35.0

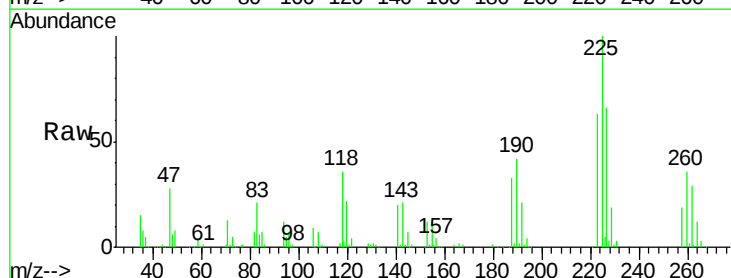


Abundance Ion 179.85 (179.55 to 180.55): V
 Ion 181.85 (181.55 to 182.55): V
 Ion 144.95 (144.65 to 145.65): V

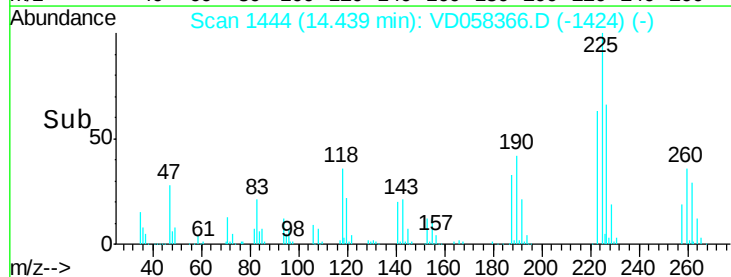
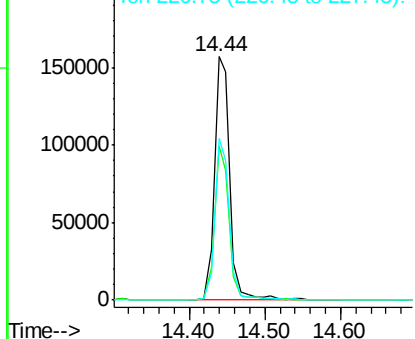


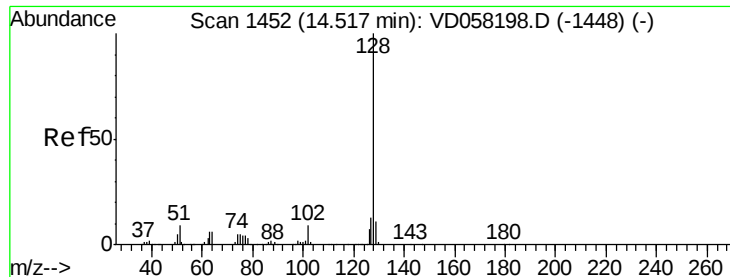
#94
 Hexachlorobutadiene
 Concen: 21.949 ug/l
 RT: 14.44 min Scan# 1444
 Delta R.T. 0.00 min
 Lab File: VD058366.D
 Acq: 24 Jun 2018 12:36

Tgt Ion:225 Resp: 226882
 Ion Ratio Lower Upper
 225 100
 223 63.1 30.1 90.3
 227 66.3 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: 20.753 ug/l

RT: 14.53 min Scan# 1453

Delta R.T. 0.01 min

Lab File: VD058366.D

Acq: 24 Jun 2018 12:36

Instrument :

MSVOA_D

ClientSampleId :

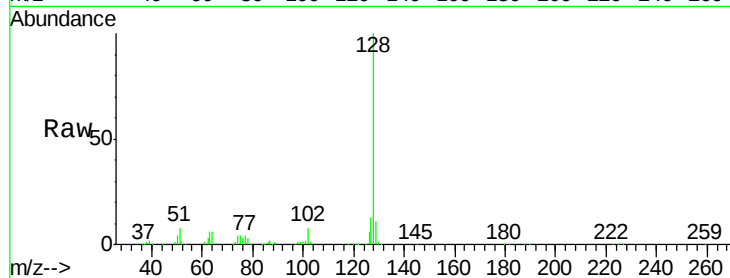
Tot Ion:128 Resp: 361287

Ion Ratio Lower Upper

128 100

127 13.0 10.0 15.0

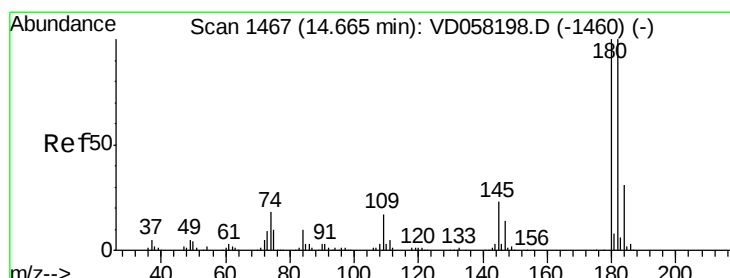
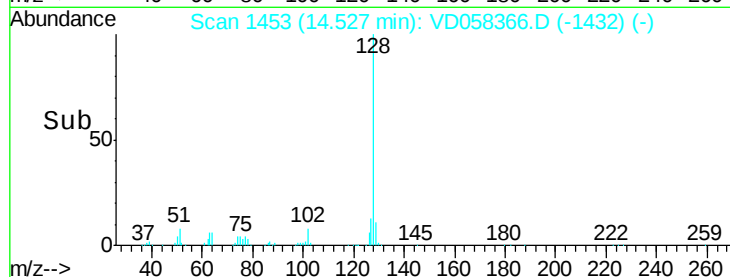
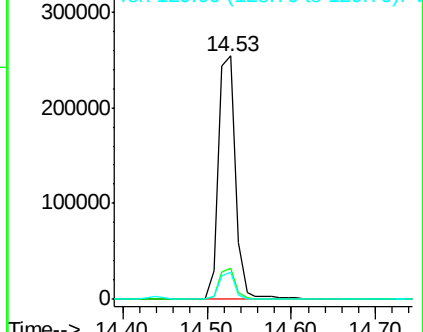
129 11.2 8.7 13.1



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: 21.954 ug/l

RT: 14.67 min Scan# 1467

Delta R.T. 0.00 min

Lab File: VD058366.D

Acq: 24 Jun 2018 12:36

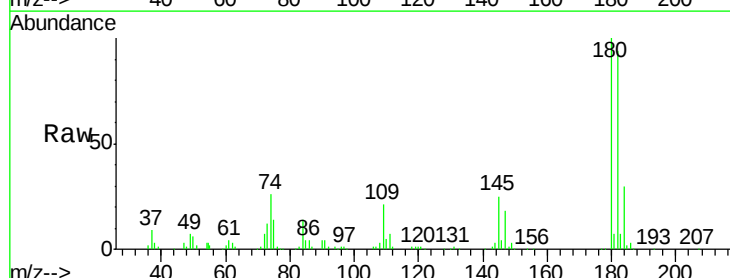
Tgt Ion:180 Resp: 254004

Ion Ratio Lower Upper

180 100

182 93.7 49.9 149.6

145 25.3 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

