

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 :
 VD0624SBS01

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	24.07	ug/l	96
3) Chloromethane	1.49	50	119648	25.73	ug/l #	88
4) Vinyl Chloride	1.56	62	120092	23.28	ug/l	97
5) Bromomethane	1.80	94	34749	17.70	ug/l	100
6) Chloroethane	1.89	64	37673	18.74	ug/l	96
7) Trichlorofluoromethane	2.08	101	154833	21.89	ug/l	95
8) Diethyl Ether	2.35	74	33763	22.57	ug/l	93
9) 1,1,2-Trichlorotrifluoroet	2.57	101	96278	21.41	ug/l	94
10) Methyl Iodide	2.69	142	108224	21.16	ug/l	96
11) Tert butyl alcohol	3.29	59	31398	95.71	ug/l #	95
12) 1,1-Dichloroethene	2.55	96	74660	22.07	ug/l	90
13) Acrolein	2.49	56	19532	104.30	ug/l #	75
14) Allyl chloride	2.93	41	175728	22.32	ug/l	97
15) Acrylonitrile	3.38	53	128462	147.69	ug/l	97
16) Acetone	2.62	43	150487	110.63	ug/l	100
17) Carbon Disulfide	2.76	76	232562	20.21	ug/l	98
18) Methyl Acetate	2.95	43	50141	17.28	ug/l	95
19) Methyl tert-butyl Ether	3.41	73	357242	39.81	ug/l	99
20) Methylene Chloride	3.08	84	82394	20.38	ug/l	98
21) trans-1,2-Dichloroethene	3.39	96	163650	44.26	ug/l	88
22) Diisopropyl ether	4.08	45	653856	20.91	ug/l	99
23) Vinyl Acetate	4.02	43	1753295	104.59	ug/l	99
24) 1,1-Dichloroethane	3.98	63	369425	21.93	ug/l	99
25) 2-Butanone	4.85	43	300323	101.30	ug/l	99
26) 2,2-Dichloropropane	4.81	77	322024	22.83	ug/l	98
27) cis-1,2-Dichloroethene	4.82	96	216977	23.48	ug/l	93
28) Bromochloromethane	5.16	49	158850	21.03	ug/l	92
29) Tetrahydrofuran	5.20	42	151926	96.28	ug/l	98
30) Chloroform	5.33	83	386869	21.75	ug/l	96
31) Cyclohexane	5.60	56	300446	21.59	ug/l	95
32) 1,1,1-Trichloroethane	5.52	97	327543	22.29	ug/l	96
36) 1,1-Dichloropropene	5.76	75	284094	23.73	ug/l	96
37) Ethyl Acetate	4.93	43	144580	21.20	ug/l	99
38) Carbon Tetrachloride	5.74	117	281713	23.68	ug/l	96

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

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
39) Methylcyclohexane	7.29	83	277619	23.81	ug/l	96
40) Benzene	6.02	78	634357	22.24	ug/l	99
41) Methacrylonitrile	5.14	41	74818	22.71	ug/l	96
42) 1,2-Dichloroethane	6.14	62	257495	22.39	ug/l	100
43) Isopropyl Acetate	7.63	43	191419	21.05	ug/l #	99
44) Trichloroethene	7.00	130	222080	25.93	ug/l	99
45) 1,2-Dichloropropane	7.36	63	174099	22.67	ug/l	98
46) Dibromomethane	7.48	93	116810	22.28	ug/l	95
47) Bromodichloromethane	7.75	83	279041	23.34	ug/l #	95
48) Methyl methacrylate	7.52	41	119429	21.61	ug/l	94
49) 1,4-Dioxane	7.50	88	23089	462.77	ug/l	95
51) 4-Methyl-2-Pentanone	8.61	43	639957	107.88	ug/l	97
52) Toluene	8.82	92	375650	23.13	ug/l	95
53) t-1,3-Dichloropropene	9.20	75	233205	22.43	ug/l	96
54) cis-1,3-Dichloropropene	8.37	75	273495	22.44	ug/l	99
55) 1,1,2-Trichloroethane	9.47	97	124824	21.73	ug/l	93
56) Ethyl methacrylate	9.33	69	150823	21.95	ug/l	99
57) 1,3-Dichloropropane	9.67	76	215156	22.23	ug/l	96
58) 2-Chloroethyl Vinyl ether	8.20	63	390850	114.90	ug/l	94
59) 2-Hexanone	9.80	43	490647	114.47	ug/l	95
60) Dibromochloromethane	9.97	129	175975	22.57	ug/l	98
61) 1,2-Dibromoethane	10.11	107	139948	22.26	ug/l	93
64) Tetrachloroethene	9.53	164	196715	23.66	ug/l	98
65) Chlorobenzene	10.74	112	434324	23.50	ug/l	99
66) 1,1,1,2-Tetrachloroethane	10.86	131	160119	22.45	ug/l	96
67) Ethyl Benzene	10.87	91	723438	22.17	ug/l	99
68) m/p-Xylenes	11.02	106	521634	47.94	ug/l	98
69) o-Xylene	11.42	106	252257	24.28	ug/l	98
70) Styrene	11.45	104	417894	23.57	ug/l	98
71) Bromoform	11.61	173	126822	22.29	ug/l	95
73) Isopropylbenzene	11.78	105	712662	22.84	ug/l	100
74) N-amyl acetate	11.65	43	254100	21.06	ug/l	99
75) 1,1,2,2-Tetrachloroethane	12.09	83	154023	21.21	ug/l	95
76) 1,2,3-Trichloropropane	12.12	75	166606	21.88	ug/l	98
77) Bromobenzene	12.05	156	211881	22.68	ug/l	82
78) n-propylbenzene	12.16	91	947262	23.51	ug/l	100
79) 2-Chlorotoluene	12.22	91	521039	22.60	ug/l	97
80) 1,3,5-Trimethylbenzene	12.33	105	561427	23.07	ug/l	98
81) trans-1,4-Dichloro-2-buten	11.85	75	35619	19.18	ug/l	94
82) 4-Chlorotoluene	12.33	91	594123	23.57	ug/l	91
83) tert-Butylbenzene	12.59	119	641294	22.92	ug/l	97
84) 1,2,4-Trimethylbenzene	12.64	105	604022	22.84	ug/l	95
85) sec-Butylbenzene	12.77	105	769795	23.48	ug/l	97
86) p-Isopropyltoluene	12.89	119	643488	24.22	ug/l	97
87) 1,3-Dichlorobenzene	12.85	146	376318	23.18	ug/l	98
88) 1,4-Dichlorobenzene	12.93	146	365053	23.02	ug/l	94
89) n-Butylbenzene	13.21	91	670545	24.01	ug/l	98
90) Hexachloroethane	13.41	117	156677	22.72	ug/l	67
91) 1,2-Dichlorobenzene	13.20	146	318853	23.07	ug/l	98
92) 1,2-Dibromo-3-Chloropropan	13.78	75	27264	23.60	ug/l	69

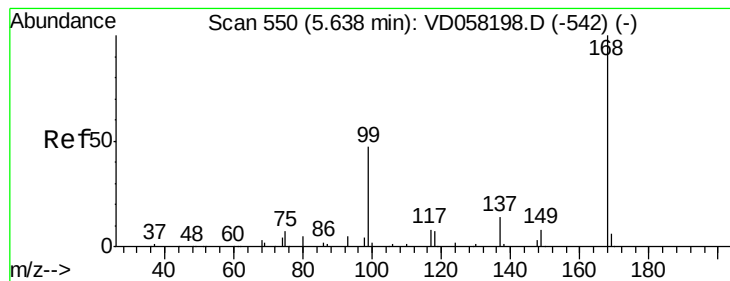
Data Path : Z:\V0ASRV\HPCHEM1\MSVOA D\DATA\VD062418\
Data File : VD058366.D
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Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
93) 1,2,4-Trichlorobenzene	14.35	180	283723	21.47	ug/l	96
94) Hexachlorobutadiene	14.44	225	226882	21.95	ug/l	98
95) Naphthalene	14.53	128	361287	20.75	ug/l	99
96) 1,2,3-Trichlorobenzene	14.67	180	254004	21.95	ug/l	94

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



#1

Pentafluorobenzene

Concen: 50.00 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 :

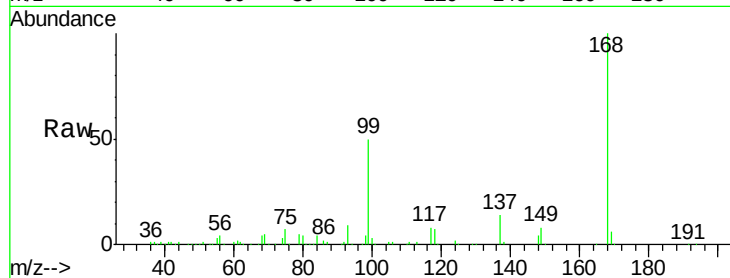
VD0624SBSD01

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

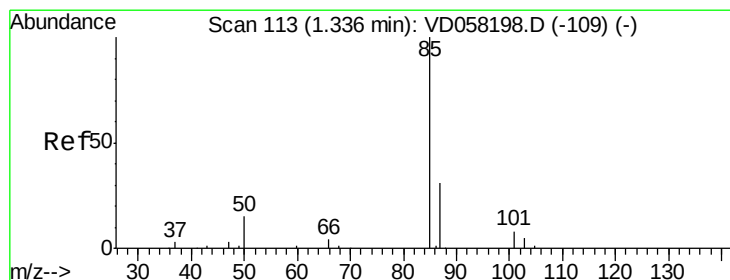
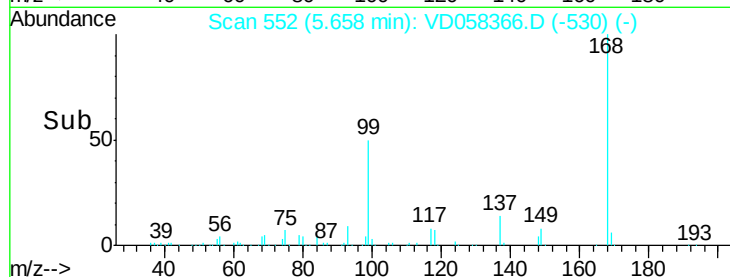
200000

100000

0

Time-->

5.50 5.60 5.70 5.80



#2

Dichlorodifluoromethane

Concen: 24.07 ug/l

RT: 1.35 min Scan# 114

Delta R.T. 0.01 min

Lab File: VD058366.D

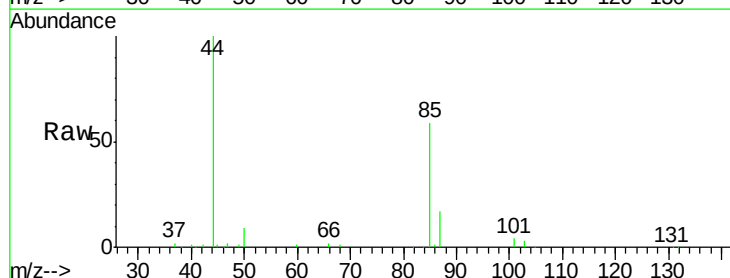
Acq: 24 Jun 2018 12:36

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

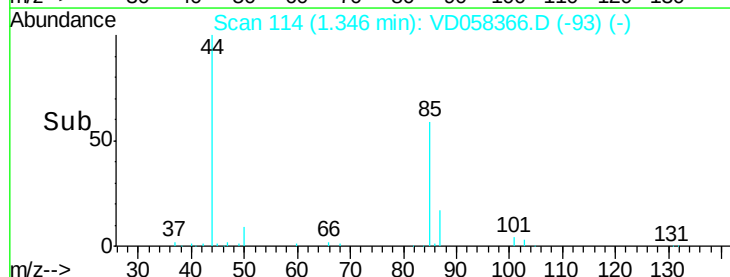
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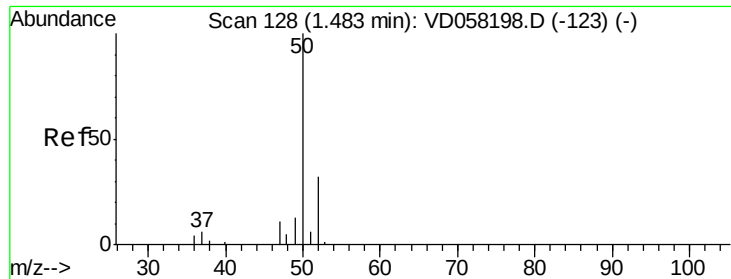
20000

0

Time-->

1.30 1.40 1.50





#3

Chloromethane

Concen: 25.73 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 :

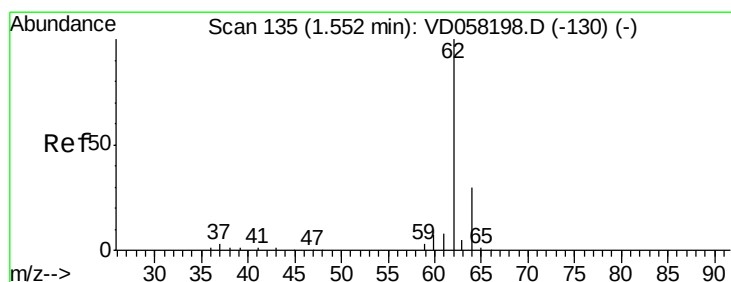
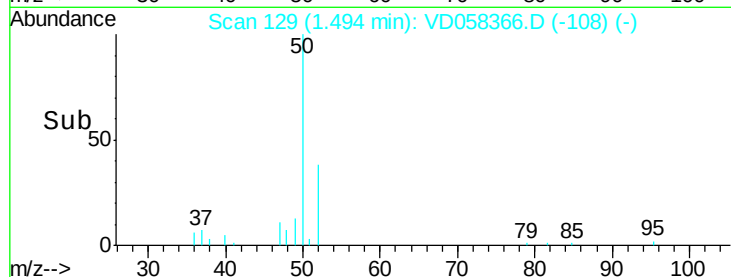
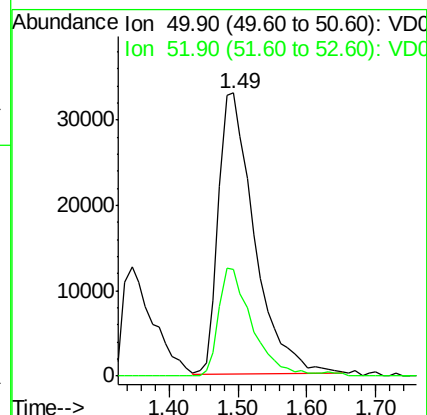
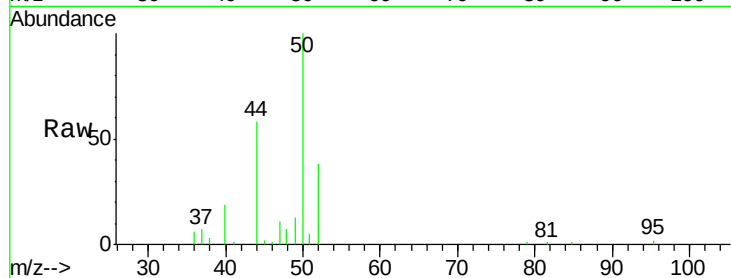
VD0624SBSD01

Tot Ion: 50 Resp: 119648

Ion Ratio Lower Upper

50 100

52 37.7 25.0 37.4#



#4

Vinyl Chloride

Concen: 23.28 ug/l

RT: 1.56 min Scan# 136

Delta R.T. 0.01 min

Lab File: VD058366.D

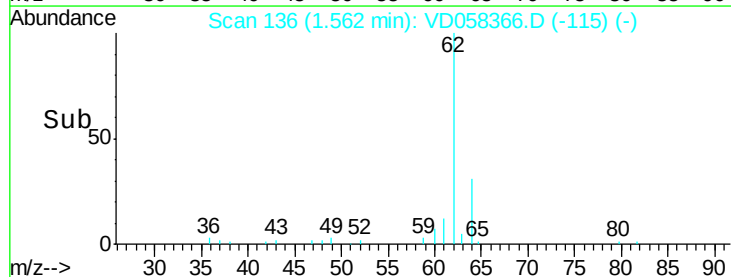
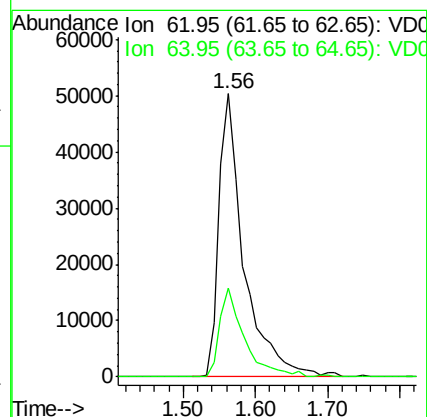
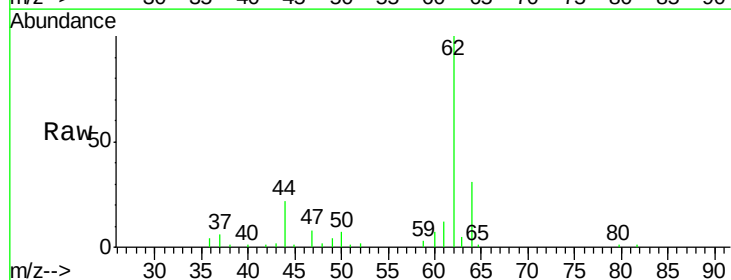
Acq: 24 Jun 2018 12:36

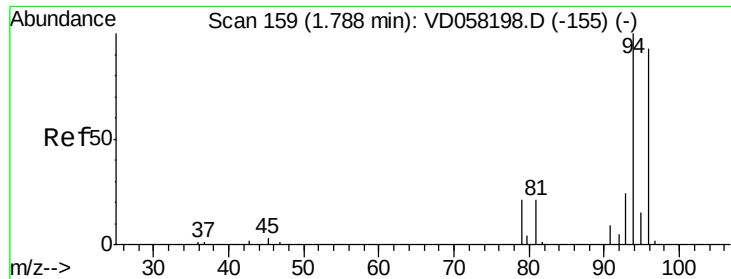
Tgt Ion: 62 Resp: 120092

Ion Ratio Lower Upper

62 100

64 32.2 24.4 36.6

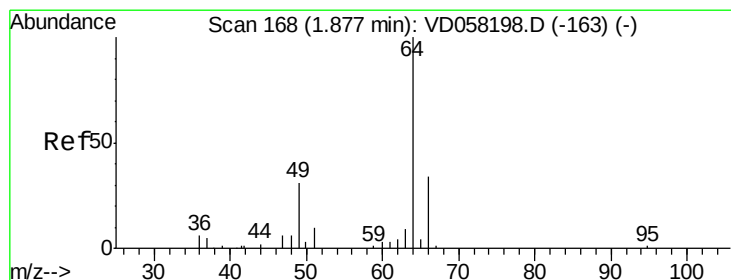
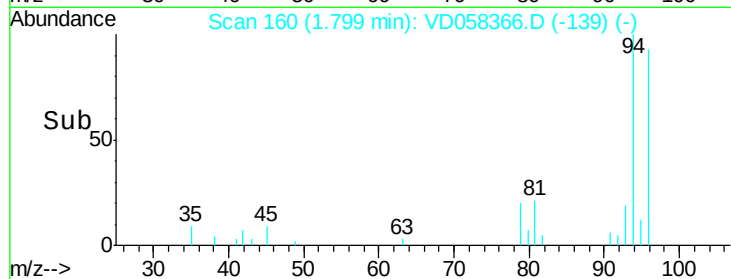
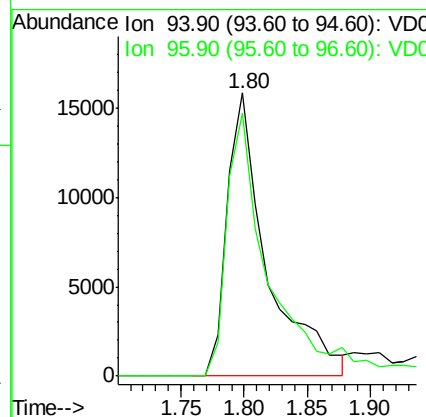
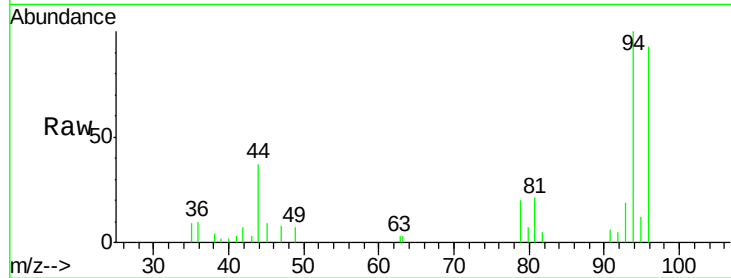




#5
Bromomethane
Concen: 17.70 ug/l
RT: 1.80 min Scan# 160
Delta R.T. 0.01 min
Lab File: VD058366.D
Acq: 24 Jun 2018 12:36

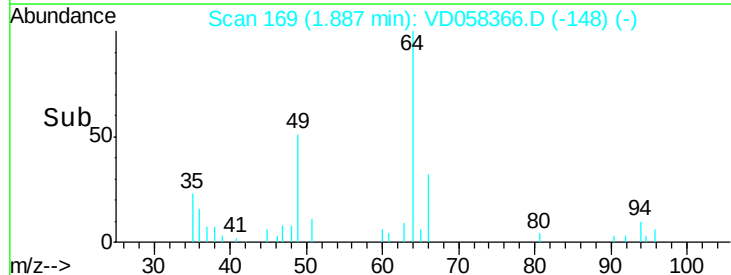
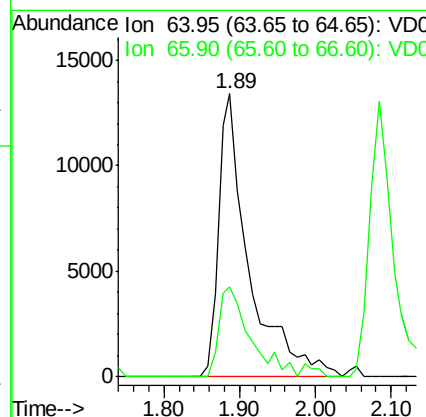
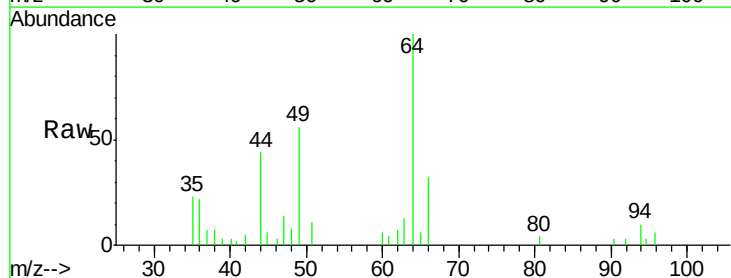
Instrument :
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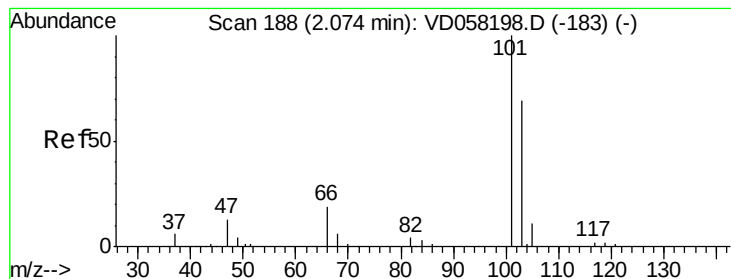
Tot Ion: 94 Resp: 34749
Ion Ratio Lower Upper
94 100
96 92.9 74.2 111.2



#6
Chloroethane
Concen: 18.74 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



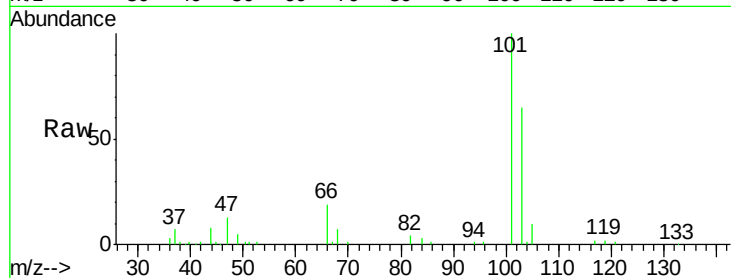


#7

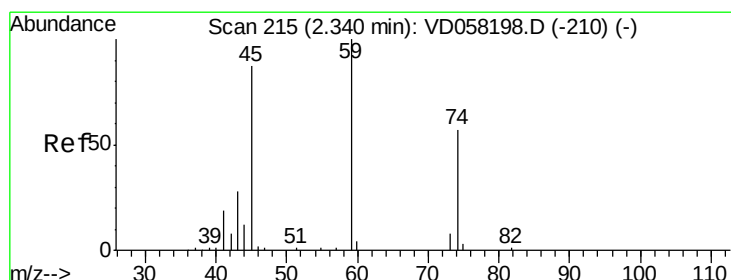
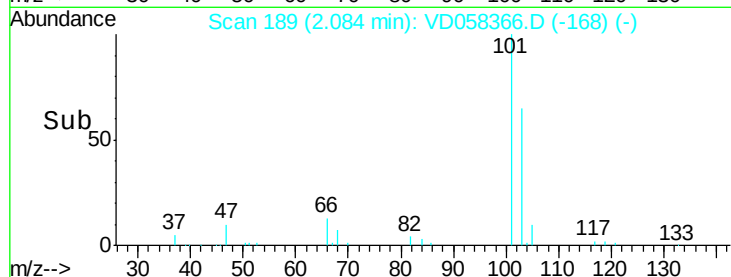
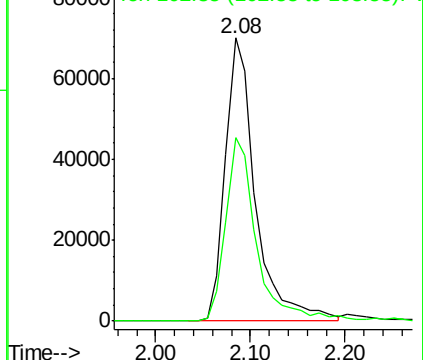
Trichlorofluoromethane
 Concen: 21.89 ug/l
 RT: 2.08 min Scan# 189
 Delta R.T. 0.01 min
 Lab File: VD058366.D
 Acq: 24 Jun 2018 12:36

Instrument :
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 ClientSampleId :
 VD0624SBSD01

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



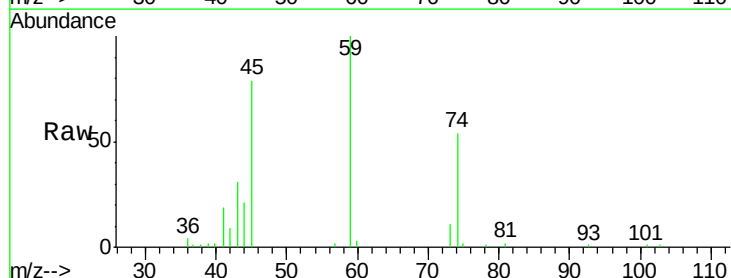
Abundance Ion 100.85 (100.55 to 101.55): V
 Ion 102.85 (102.55 to 103.55): V



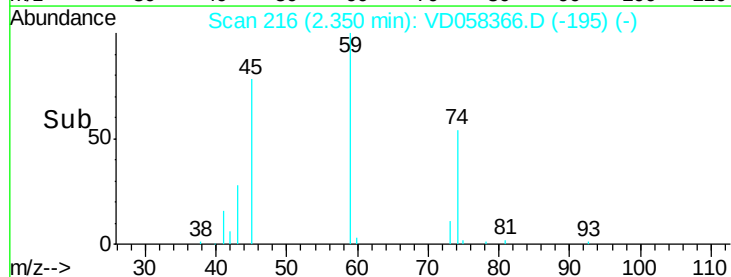
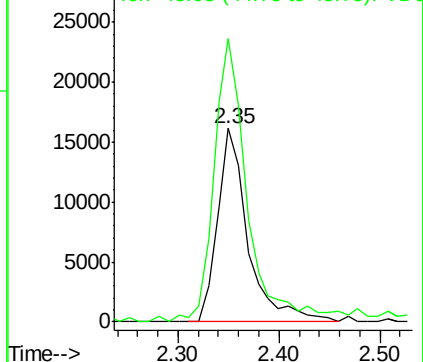
#8

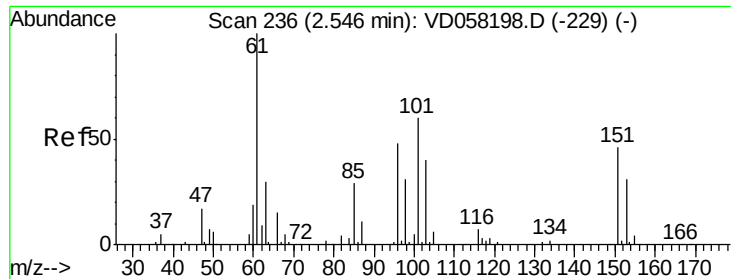
Diethyl Ether
 Concen: 22.57 ug/l
 RT: 2.35 min Scan# 216
 Delta R.T. 0.01 min
 Lab File: VD058366.D
 Acq: 24 Jun 2018 12:36

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

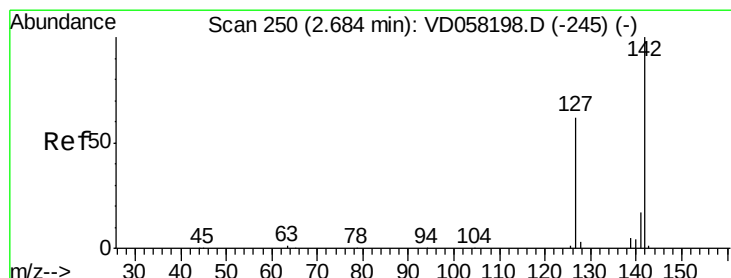
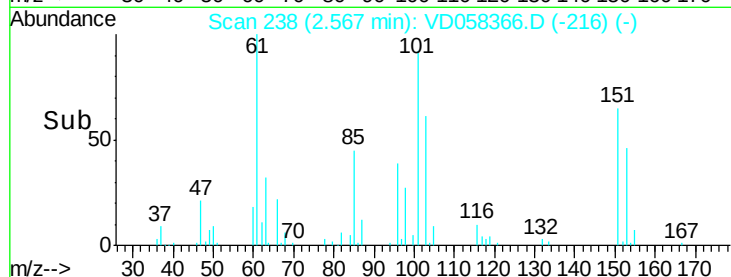
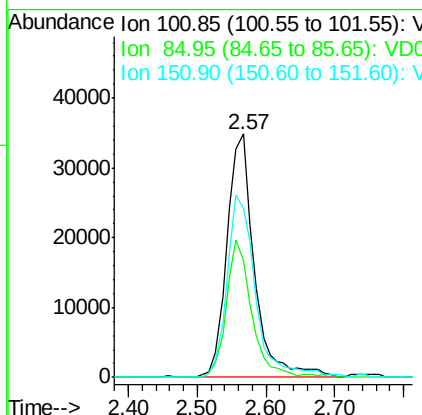
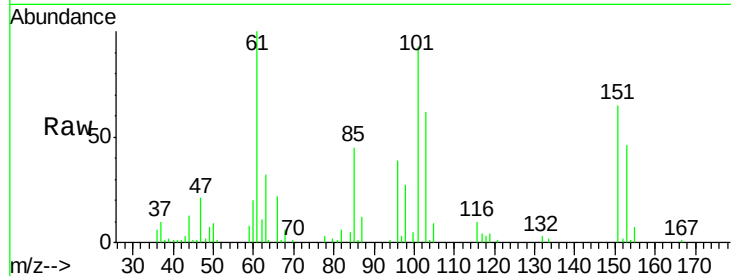




#9
 1,1,2-Trichlorotrifluoroethane
 Concen: 21.41 ug/l
 RT: 2.57 min Scan# 238
 Delta R.T. 0.02 min
 Lab File: VD058366.D
 Acq: 24 Jun 2018 12:36

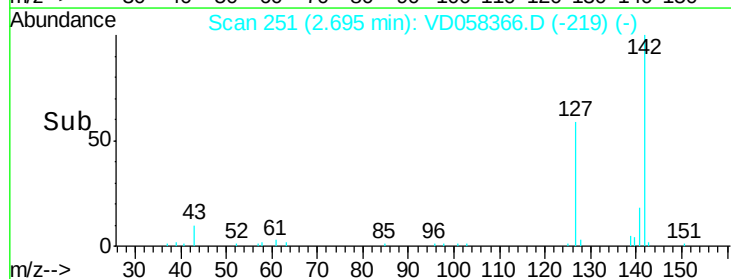
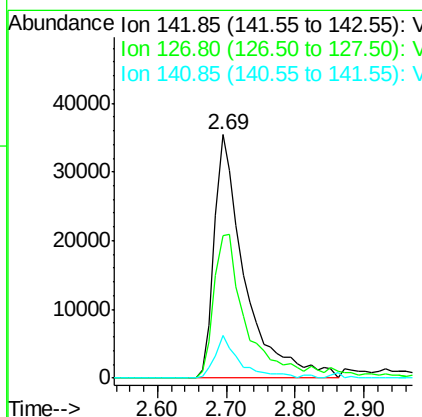
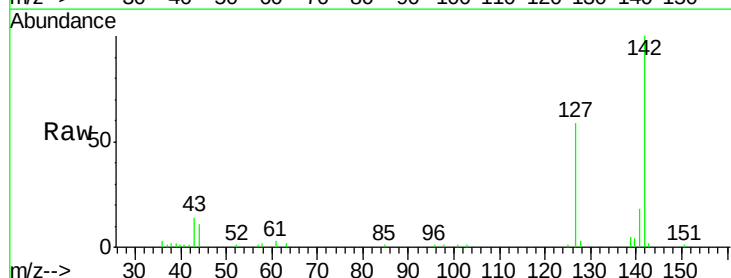
Instrument :
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 ClientSampleId :
 VD0624SBSD01

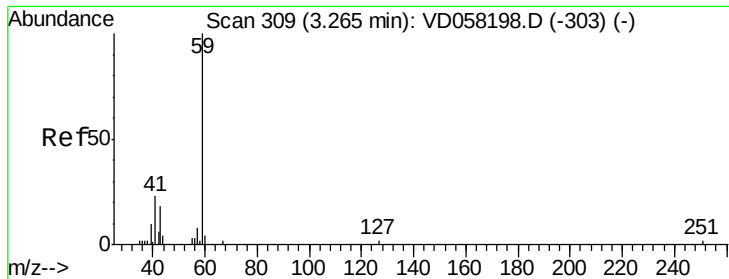
Tot Ion:101 Resp: 96278
 Ion Ratio Lower Upper
 101 100
 85 48.0 39.0 58.4
 151 69.7 61.8 92.8



#10
 Methyl Iodide
 Concen: 21.16 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



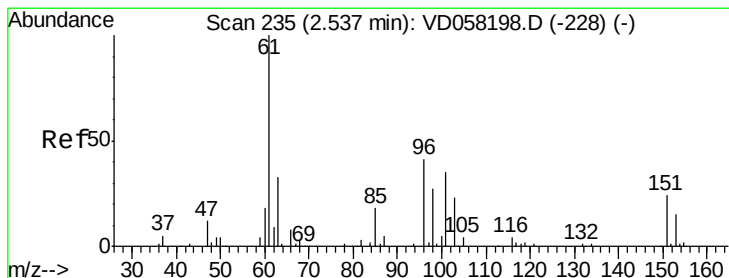
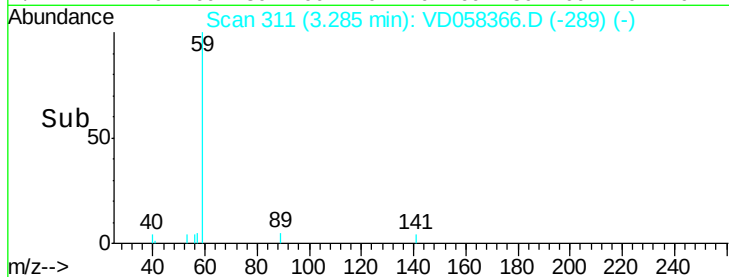
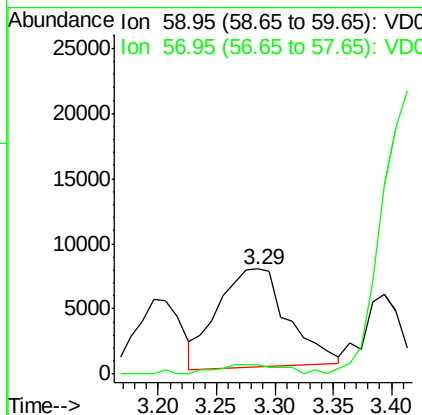
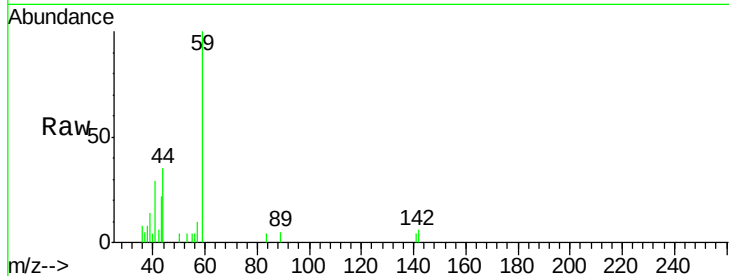


#11

Tert butyl alcohol
 Concen: 95.71 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 :
 VD0624SBSD01

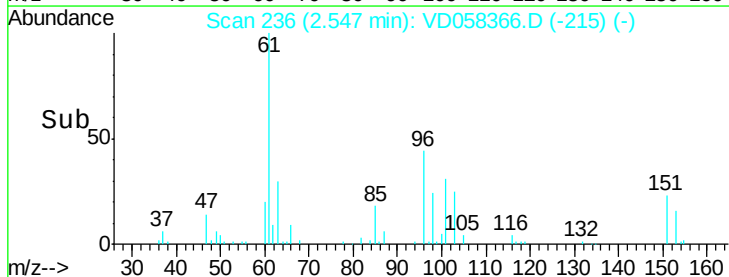
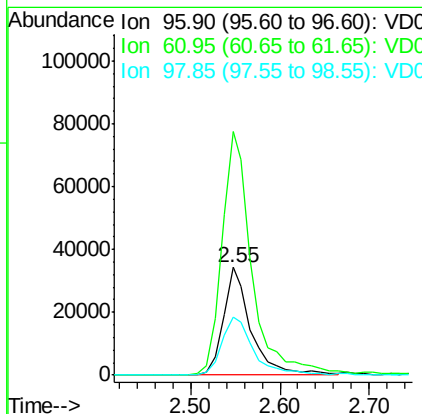
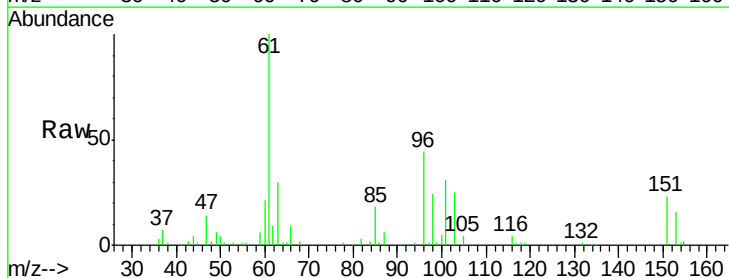
Tot Ion: 59 Resp: 31398
 Ion Ratio Lower Upper
 59 100
 57 9.6 6.2 9.4#

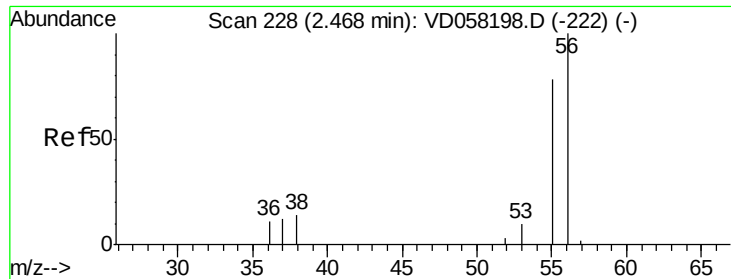


#12

1,1-Dichloroethene
 Concen: 22.07 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: 104.30 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

ClientSampleId :

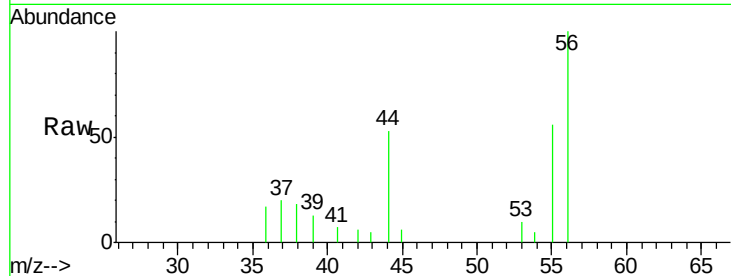
VD0624SBS01

Tot Ion: 56 Resp: 19532

Ion Ratio Lower Upper

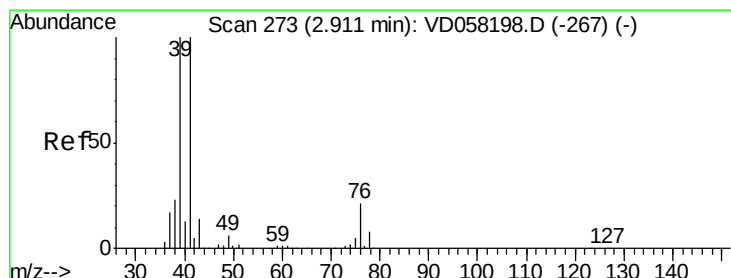
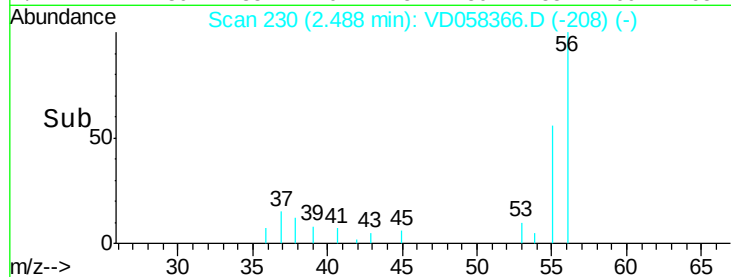
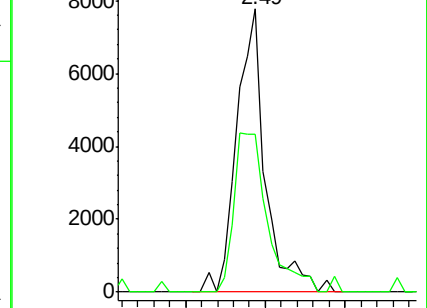
56 100

55 55.6 62.1 93.1#



Abundance Ion 55.95 (55.65 to 56.65): VDC

Ion 55.00 (54.70 to 55.70): VDC



#14

Allyl chloride

Concen: 22.32 ug/l

RT: 2.93 min Scan# 275

Delta R.T. 0.02 min

Lab File: VD058366.D

Acq: 24 Jun 2018 12:36

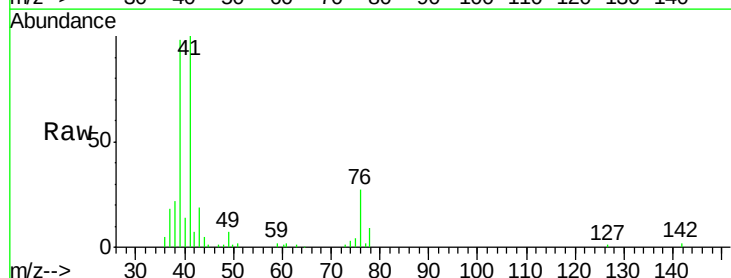
Tgt Ion: 41 Resp: 175728

Ion Ratio Lower Upper

41 100

39 97.8 80.1 120.1

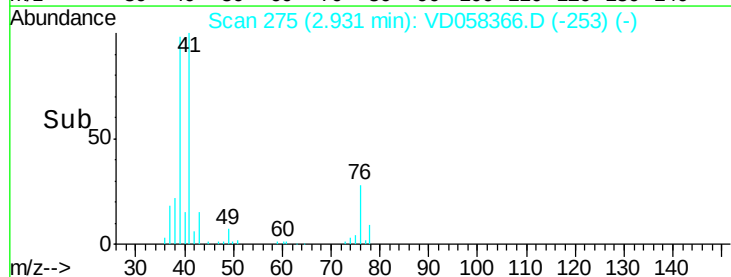
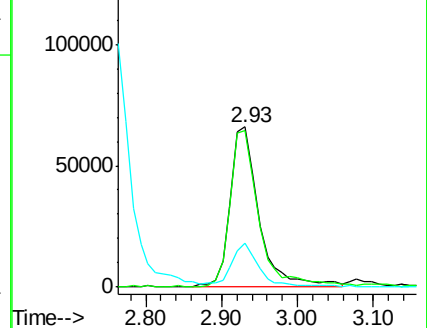
76 27.4 19.4 29.2

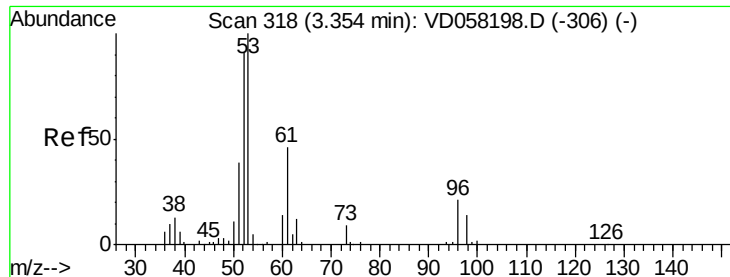


Abundance Ion 41.05 (40.75 to 41.75): VDC

Ion 38.95 (38.65 to 39.65): VDC

Ion 75.95 (75.65 to 76.65): VDC





#15

Acrylonitrile

Concen: 147.69 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 :

VD0624SBS01

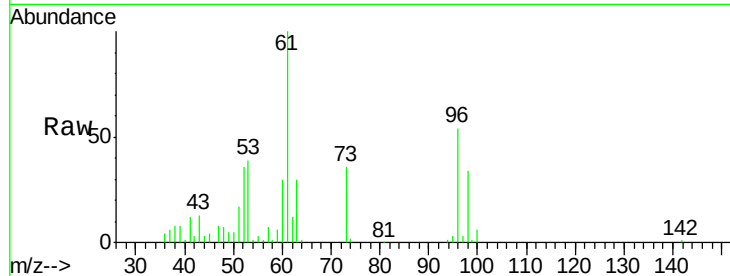
Tot Ion: 53 Resp: 128462

Ion Ratio Lower Upper

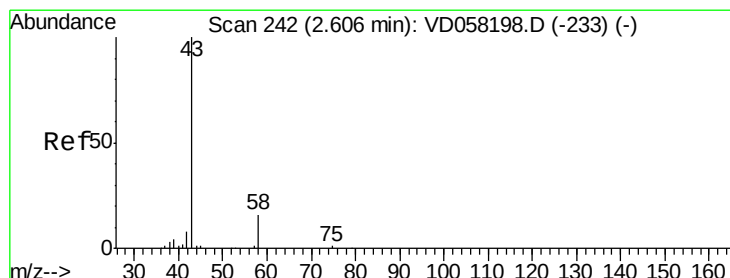
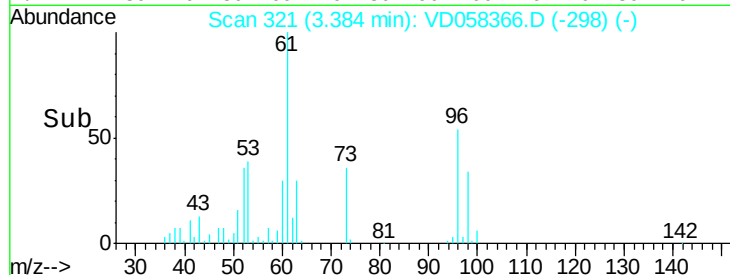
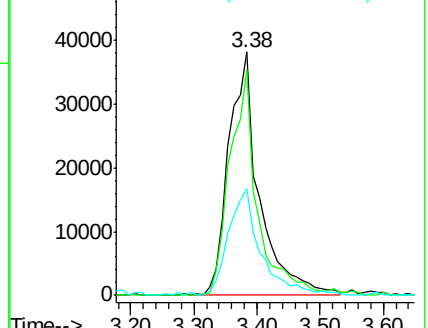
53 100

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: 110.63 ug/l

RT: 2.62 min Scan# 243

Delta R.T. 0.01 min

Lab File: VD058366.D

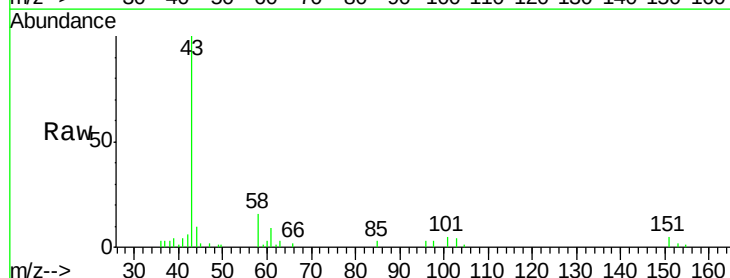
Acq: 24 Jun 2018 12:36

Tgt Ion: 43 Resp: 150487

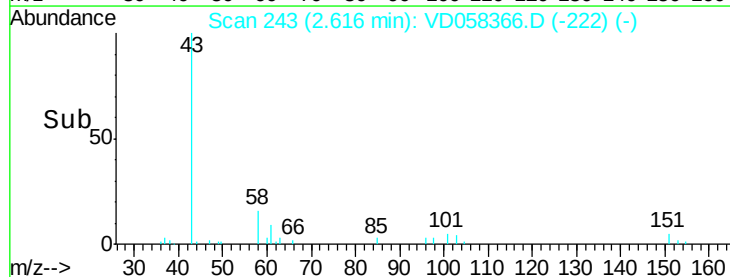
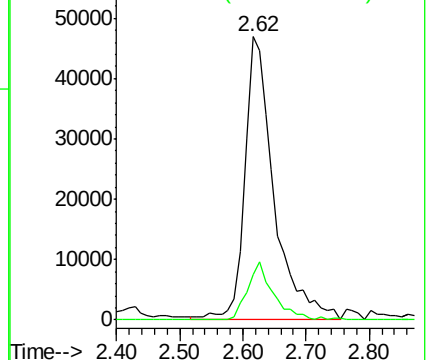
Ion Ratio Lower Upper

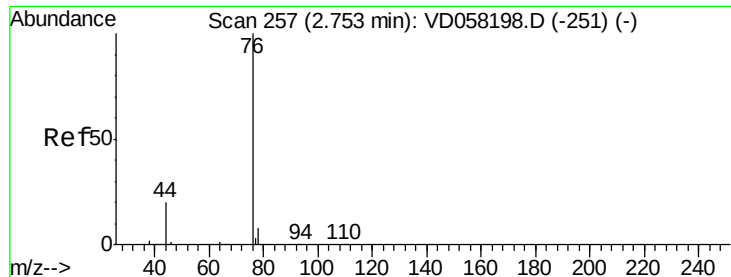
43 100

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: 20.21 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

ClientSampleId :

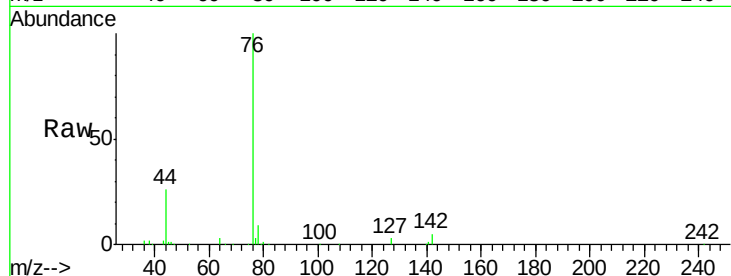
VD0624SBSD01

Tot Ion: 76 Resp: 232562

Ion Ratio Lower Upper

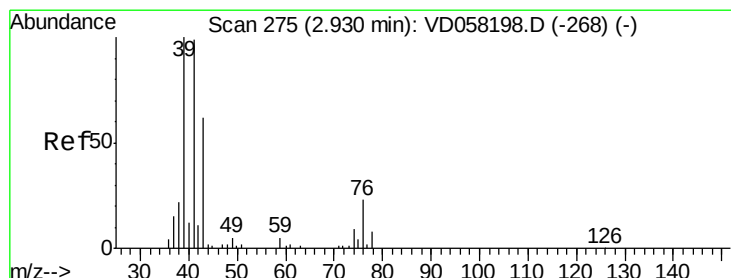
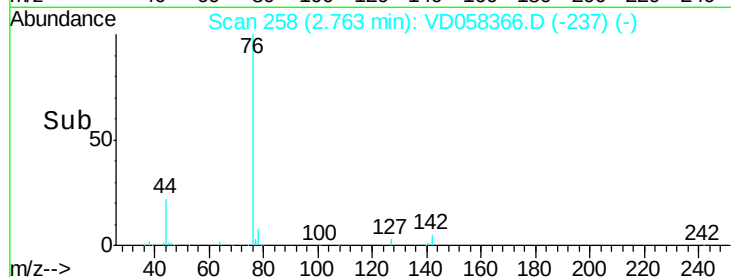
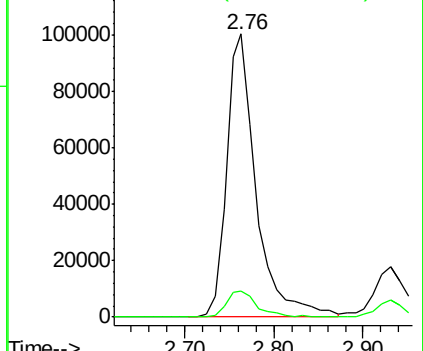
76 100

78 9.3 6.8 10.2



Abundance Ion 75.85 (75.55 to 76.55): VDC

Ion 77.85 (77.55 to 78.55): VDC



#18

Methyl Acetate

Concen: 17.28 ug/l

RT: 2.95 min Scan# 277

Delta R.T. 0.02 min

Lab File: VD058366.D

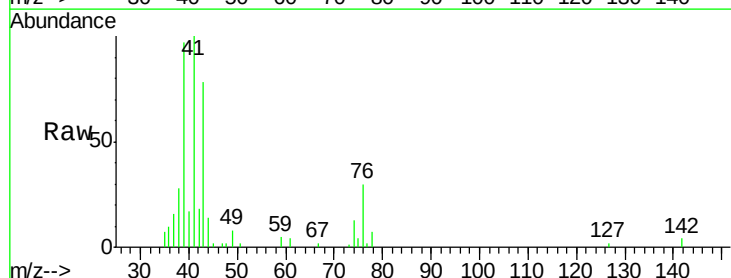
Acq: 24 Jun 2018 12:36

Tgt Ion: 43 Resp: 50141

Ion Ratio Lower Upper

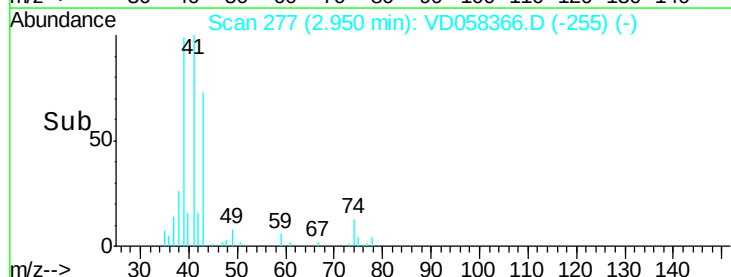
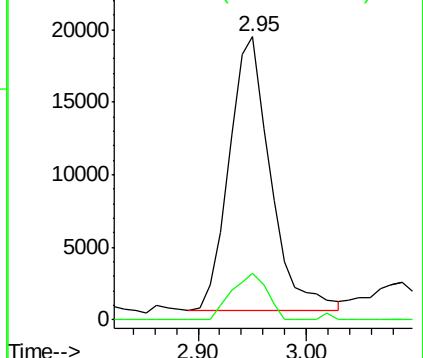
43 100

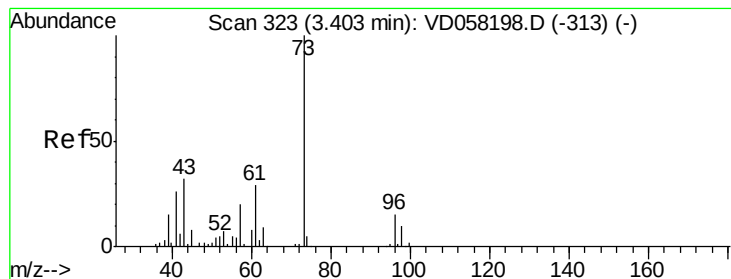
74 16.6 11.7 17.5



Abundance Ion 42.95 (42.65 to 43.65): VDC

Ion 74.00 (73.70 to 74.70): VDC



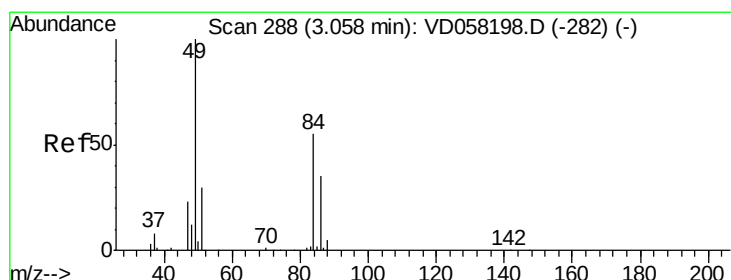
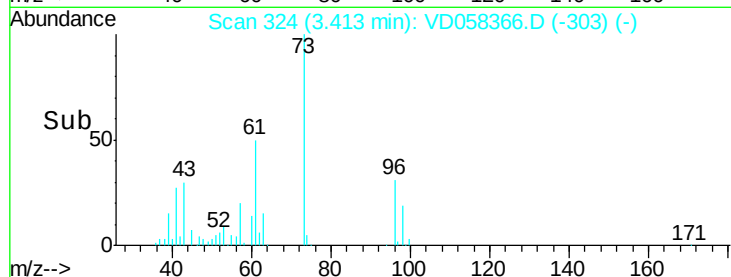
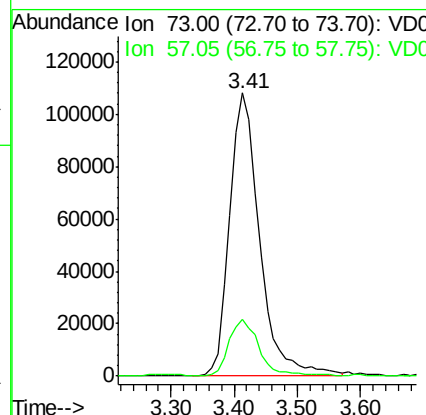
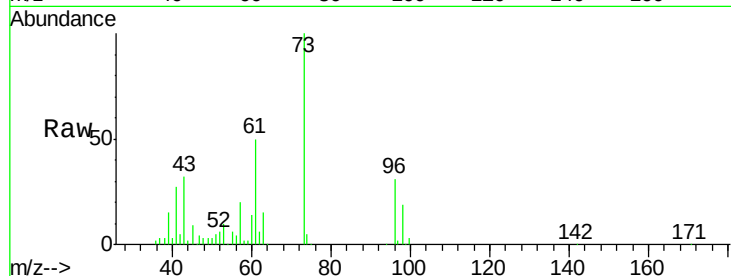


#19

Methyl tert-butyl Ether
 Concen: 39.81 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
 ClientSampleId :
 VD0624SBS01

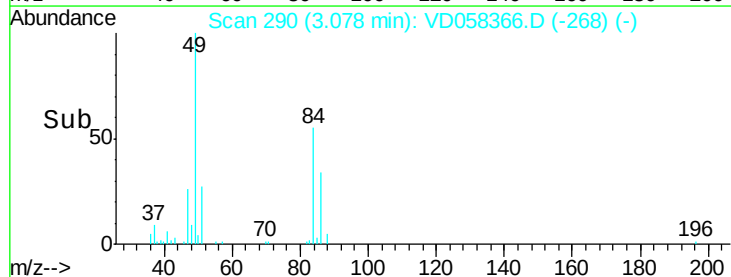
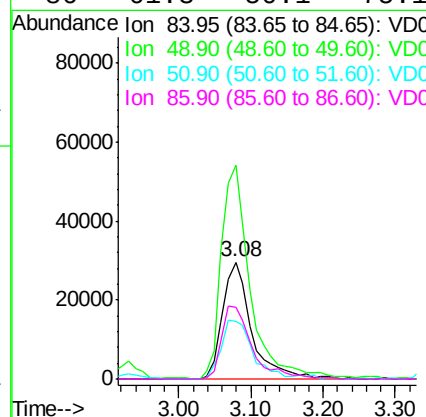
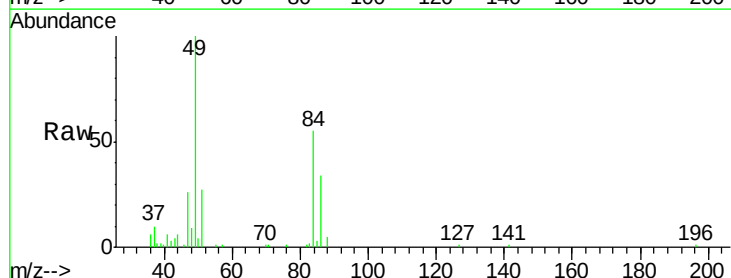
Tot Ion: 73 Resp: 357242
 Ion Ratio Lower Upper
 73 100
 57 20.1 16.6 24.8

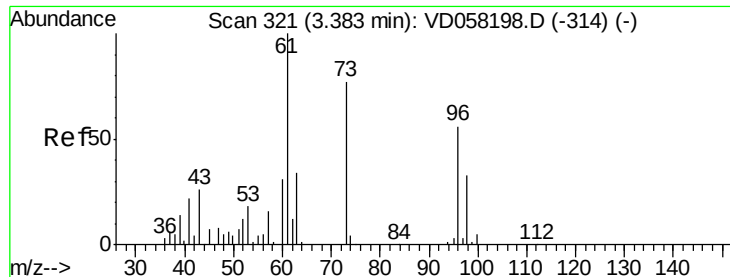


#20

Methylene Chloride
 Concen: 20.38 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: 44.26 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

ClientSampleId :

VD0624SBSD01

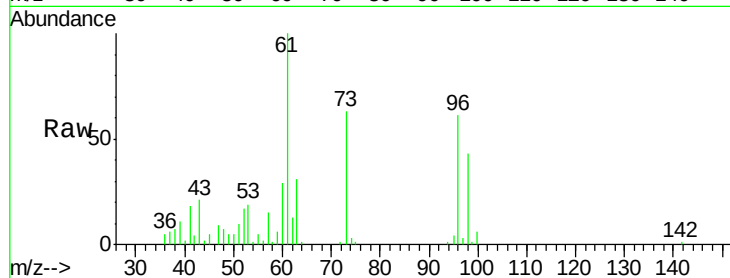
Tot Ion: 96 Resp: 163650

Ion Ratio Lower Upper

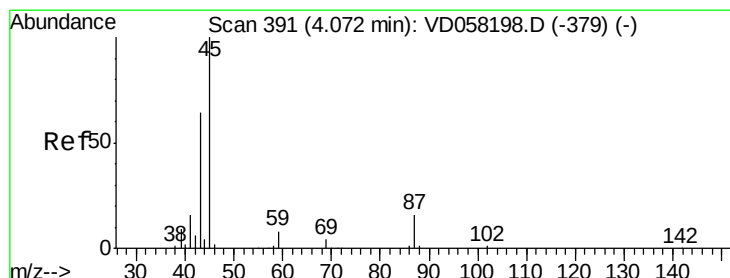
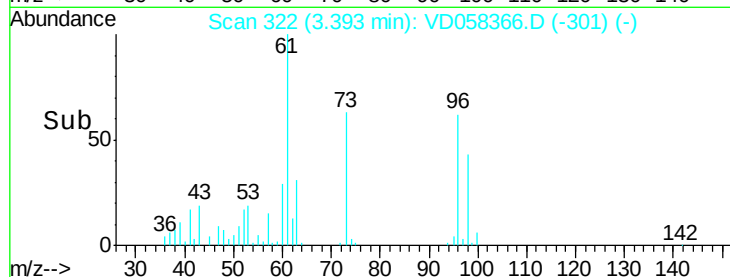
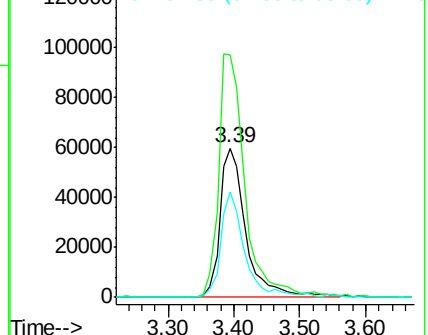
96 100

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: 20.91 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

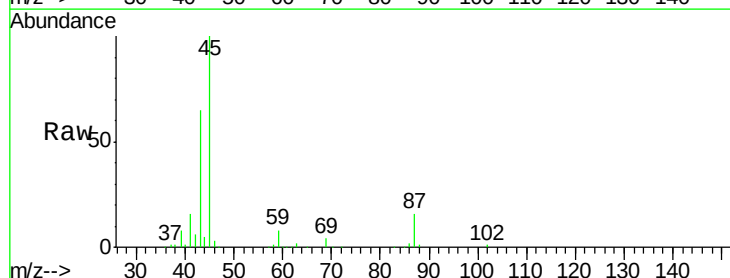
Ion Ratio Lower Upper

45 100

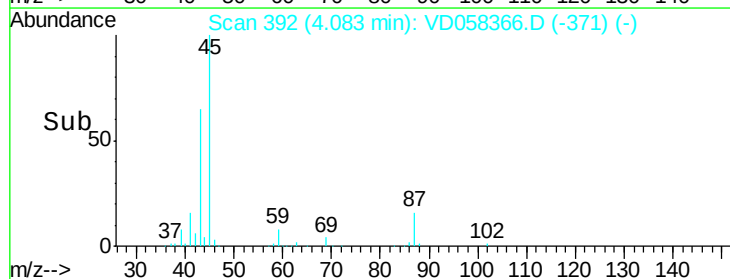
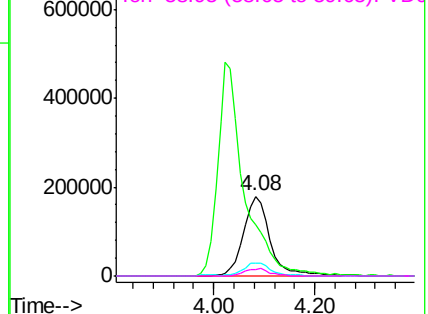
43 65.3 51.4 77.0

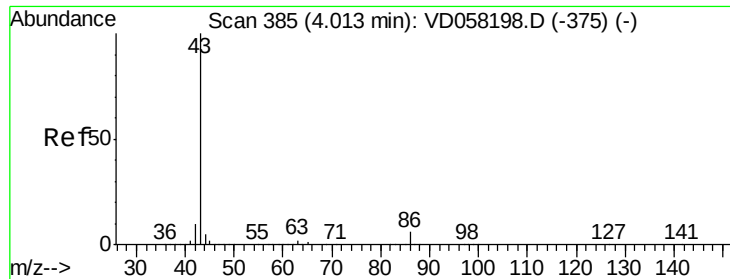
87 16.0 13.0 19.4

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: 104.59 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 :

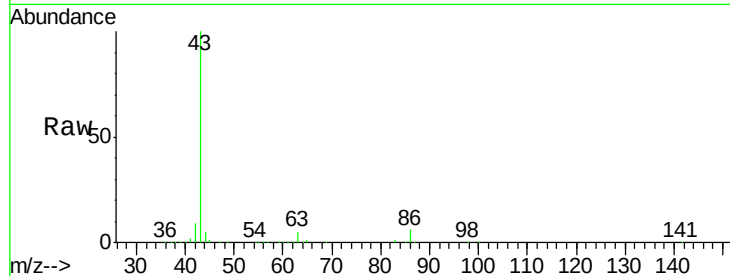
VD0624SBSD01

Tot Ion: 43 Resp: 1753295

Ion Ratio Lower Upper

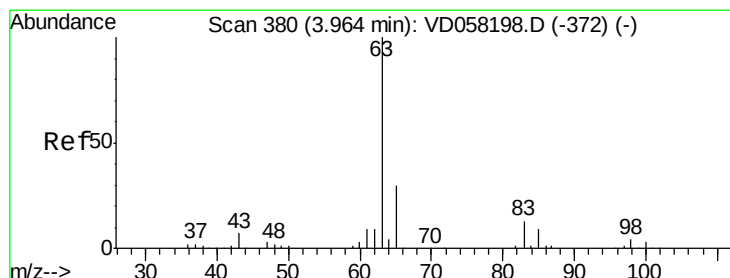
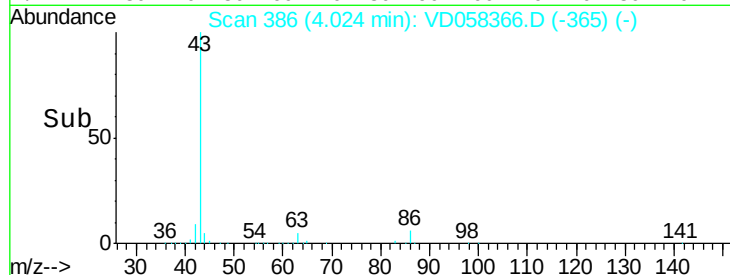
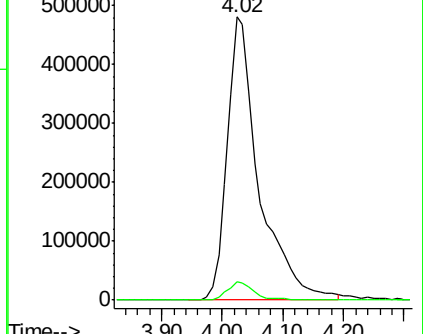
43 100

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: 21.93 ug/l

RT: 3.98 min Scan# 382

Delta R.T. 0.02 min

Lab File: VD058366.D

Acq: 24 Jun 2018 12:36

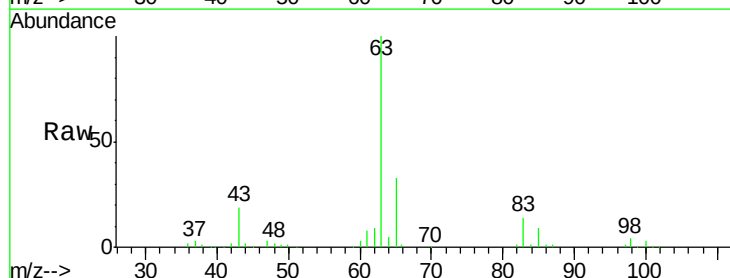
Tgt Ion: 63 Resp: 369425

Ion Ratio Lower Upper

63 100

98 3.9 1.9 5.7

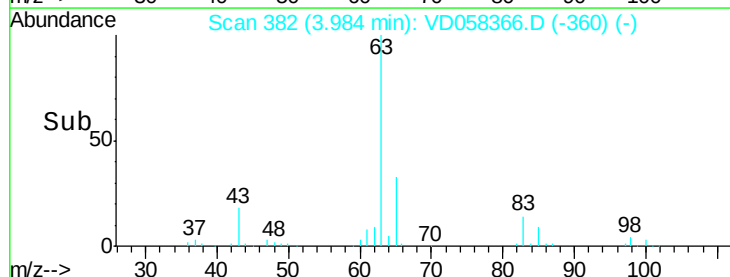
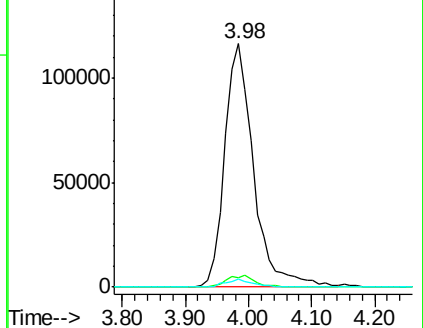
100 3.5 1.3 3.9

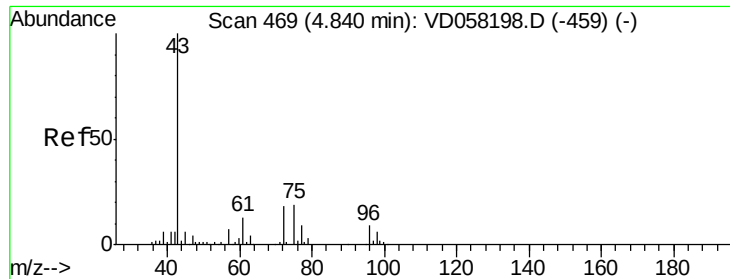


Abundance Ion 62.95 (62.65 to 63.65): VDC

Ion 97.95 (97.65 to 98.65): VDC

Ion 99.95 (99.65 to 100.65): VDC





#25

2-Butanone

Concen: 101.30 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

ClientSampleId :

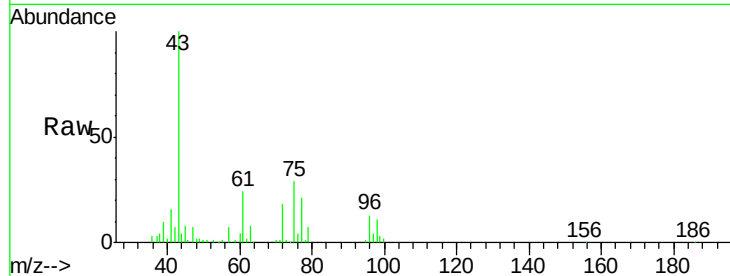
VD0624SBS01

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

120000

100000

80000

60000

40000

20000

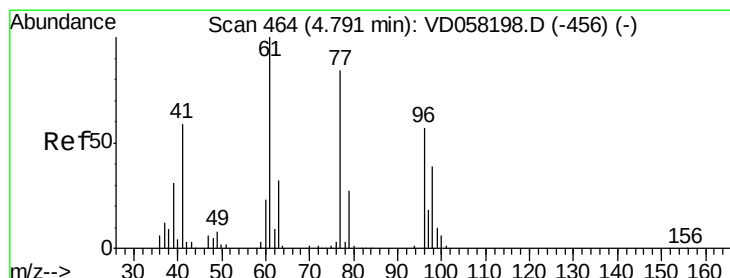
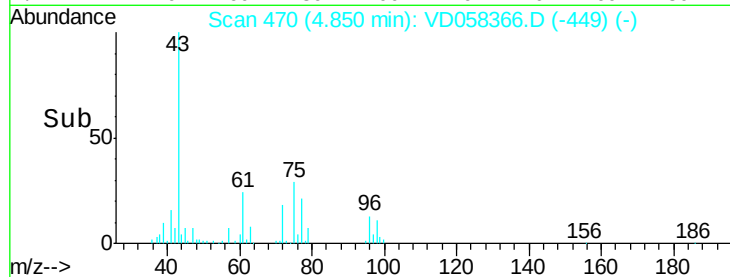
0

4.70

4.80

4.90

Time-->



#26

2,2-Dichloropropane

Concen: 22.83 ug/l

RT: 4.81 min Scan# 466

Delta R.T. 0.02 min

Lab File: VD058366.D

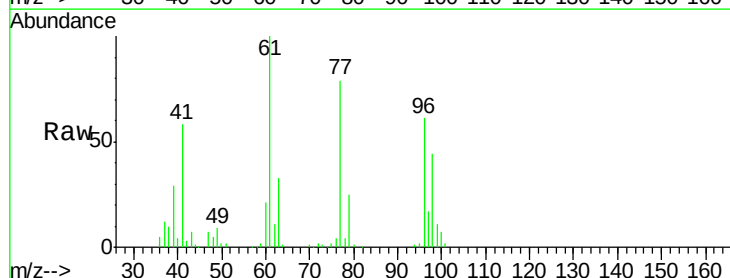
Acq: 24 Jun 2018 12:36

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

100000

80000

60000

40000

20000

0

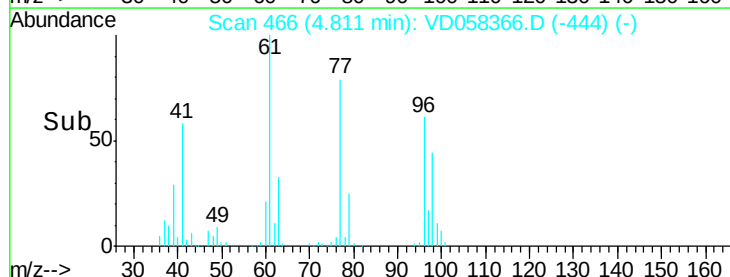
4.70

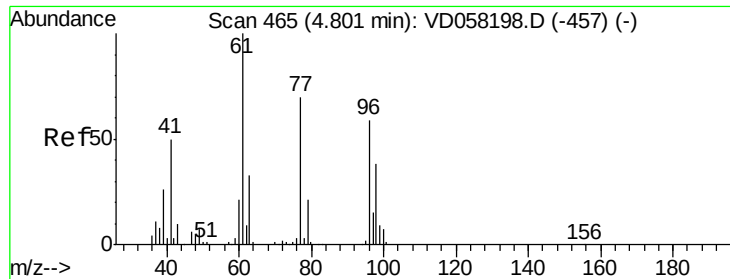
4.80

4.90

5.00

Time-->





#27

cis-1,2-Dichloroethene

Concen: 23.48 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 :

VD0624SBSD01

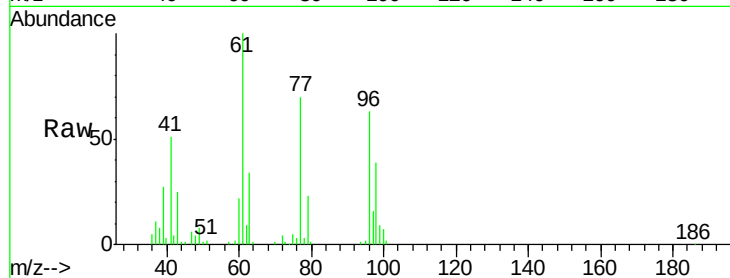
Tot Ion: 96 Resp: 216977

Ion Ratio Lower Upper

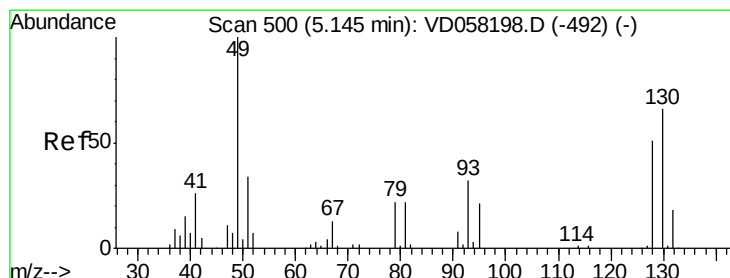
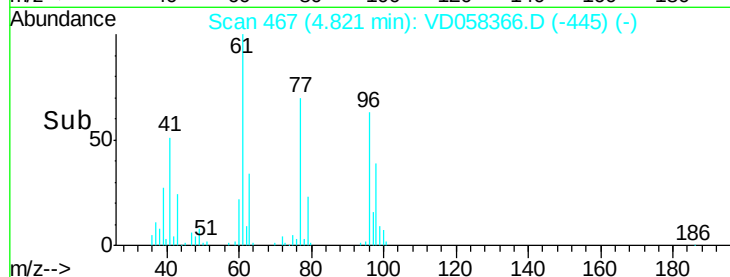
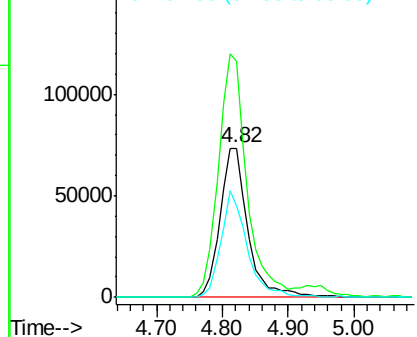
96 100

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: 21.03 ug/l

RT: 5.16 min Scan# 501

Delta R.T. 0.01 min

Lab File: VD058366.D

Acq: 24 Jun 2018 12:36

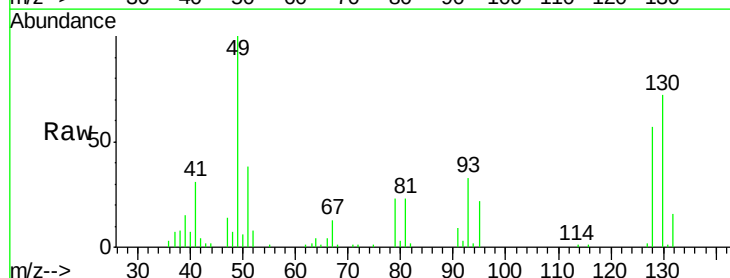
Tgt Ion: 49 Resp: 158850

Ion Ratio Lower Upper

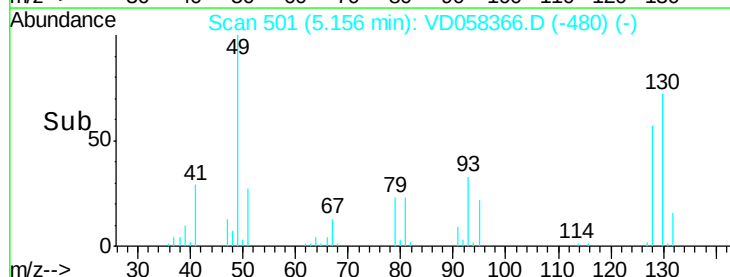
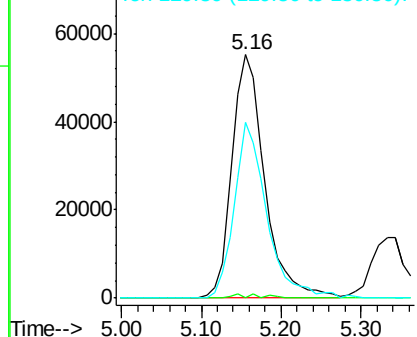
49 100

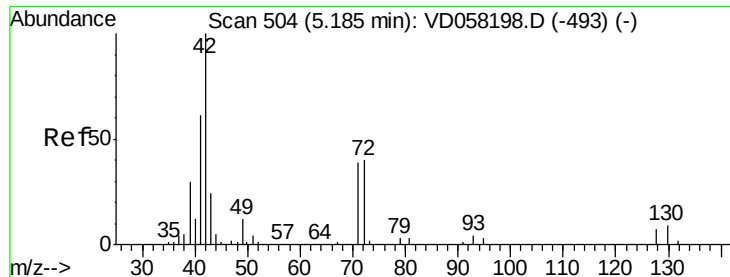
129 0.0 0.0 0.0

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

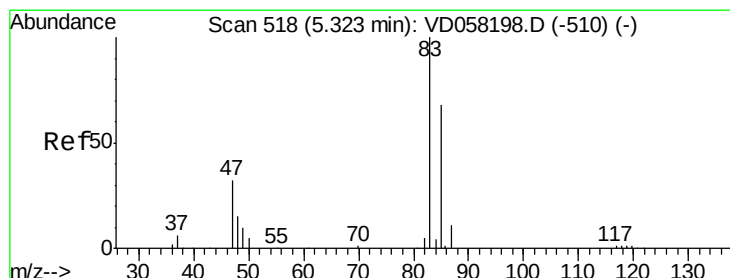
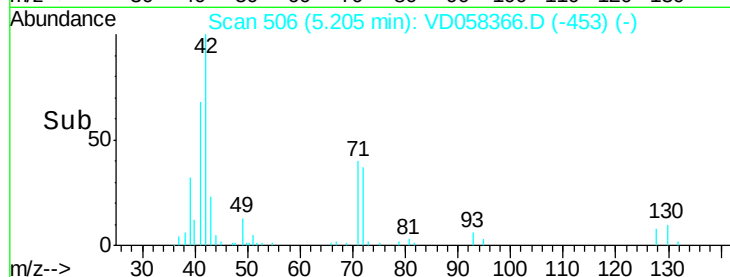
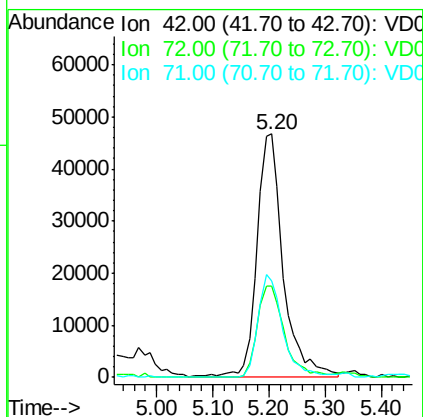
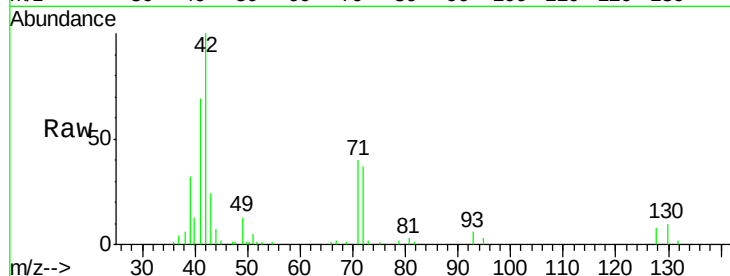




#29
Tetrahydrofuran
Concen: 96.28 ug/l
RT: 5.20 min Scan# 506
Delta R.T. 0.02 min
Lab File: VD058366.D
Acq: 24 Jun 2018 12:36

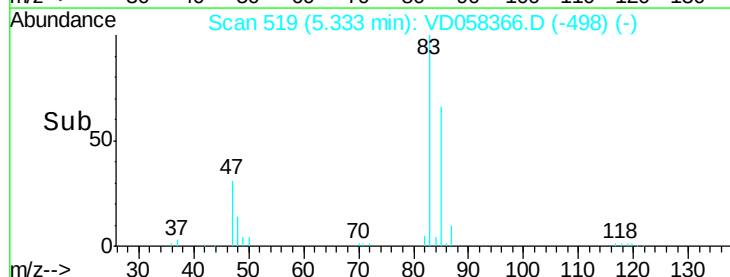
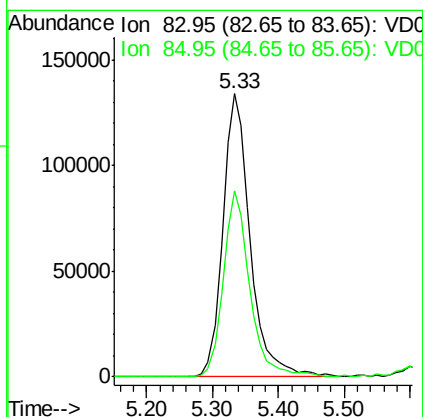
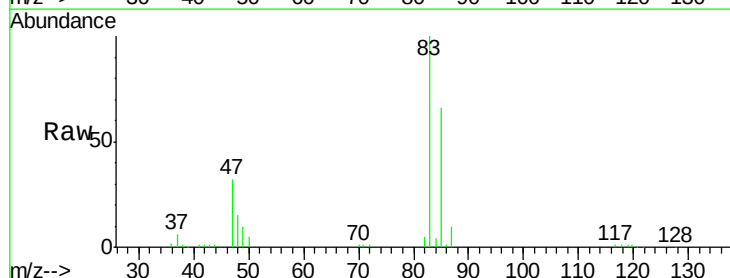
Instrument :
MSVOA_D
ClientSampleId :
VD0624SBSD01

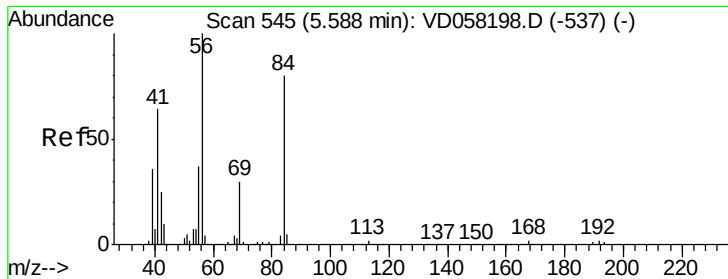
Tot Ion: 42 Resp: 151926
Ion Ratio Lower Upper
42 100
72 38.5 30.2 45.2
71 39.3 30.1 45.1



#30
Chloroform
Concen: 21.75 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: 21.59 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

ClientSampleId :

VD0624SBSD01

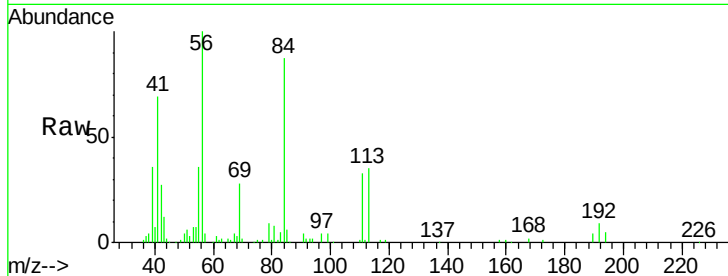
Tot Ion: 56 Resp: 300446

Ion Ratio Lower Upper

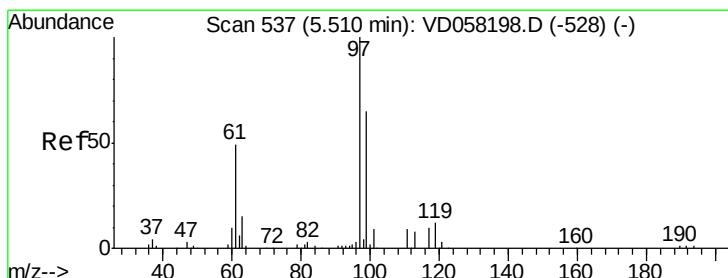
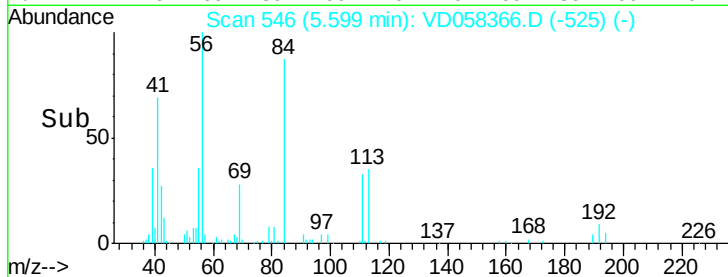
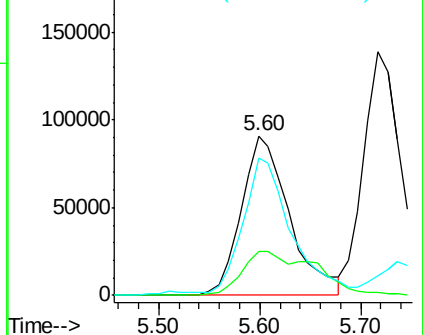
56 100

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: 22.29 ug/l

RT: 5.52 min Scan# 538

Delta R.T. 0.01 min

Lab File: VD058366.D

Acq: 24 Jun 2018 12:36

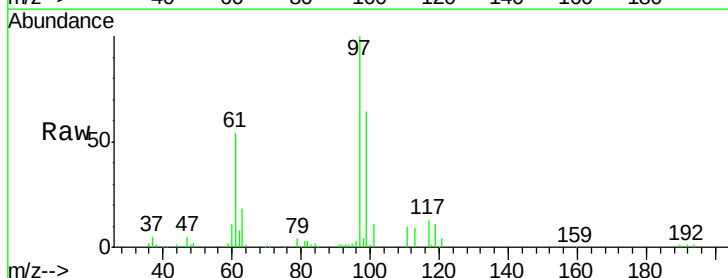
Tgt Ion: 97 Resp: 327543

Ion Ratio Lower Upper

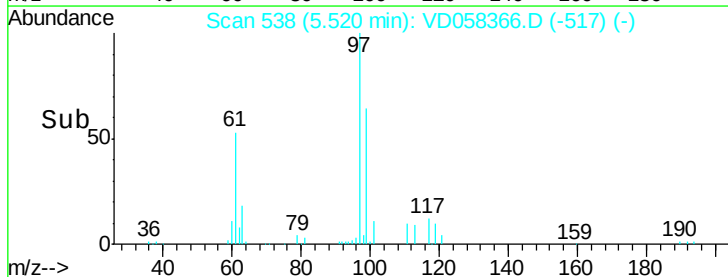
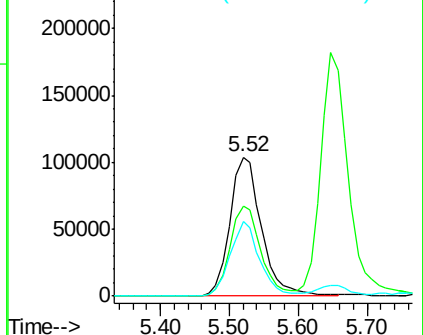
97 100

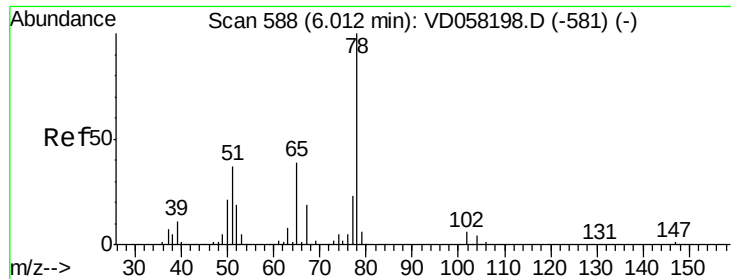
99 64.4 52.2 78.4

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

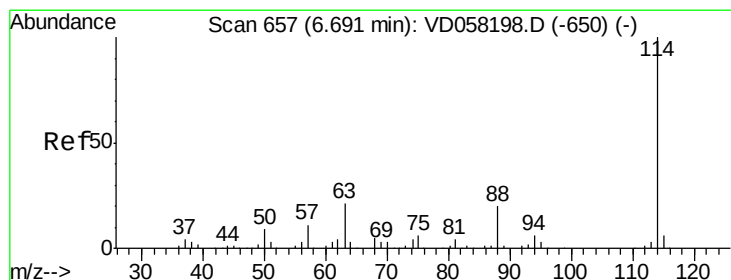
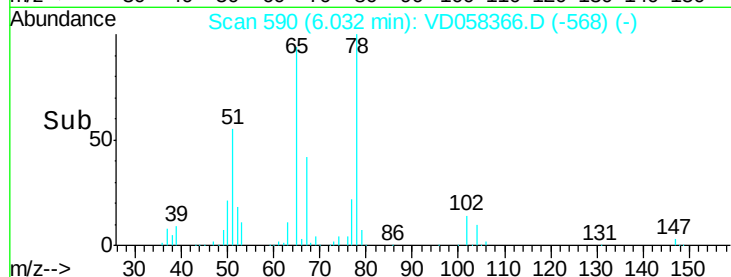
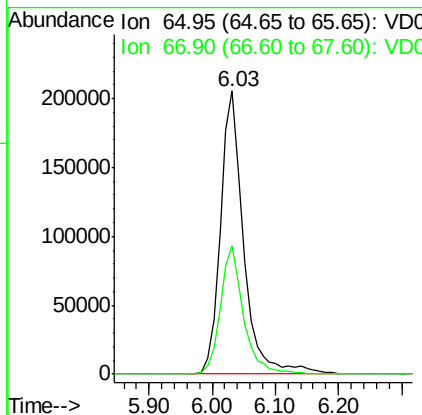
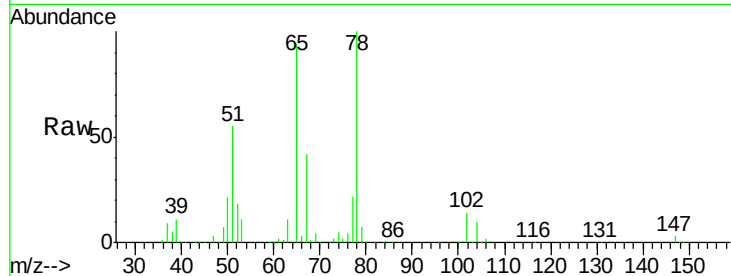




#33
 1,2-Dichloroethane-d4
 Concen: 22.29 ug/l
 RT: 6.03 min Scan# 590
 Delta R.T. 0.02 min
 Lab File: VD058366.D
 Acq: 24 Jun 2018 12:36

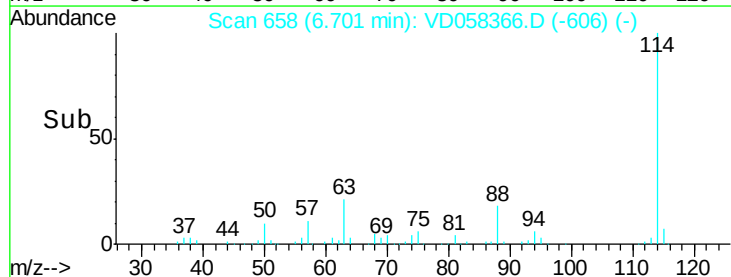
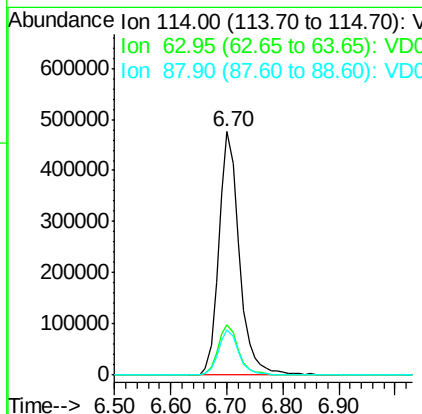
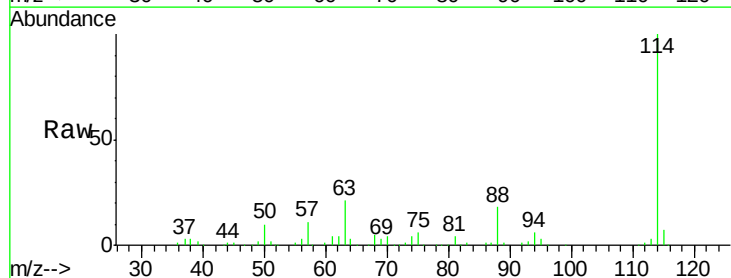
Instrument :
 MSVOA_D
 ClientSampleId :
 VD0624SBSD01

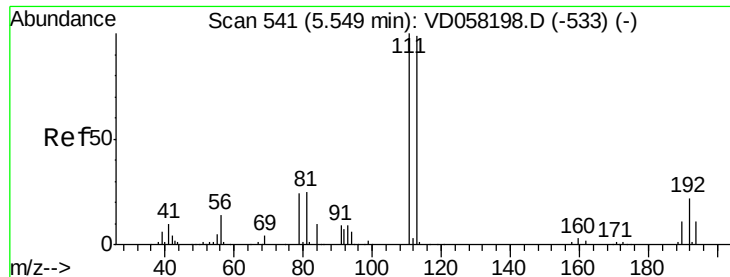
Tot Ion: 65 Resp: 526262
 Ion Ratio Lower Upper
 65 100
 67 45.2 0.0 97.8



#34
 1,4-Difluorobenzene
 Concen: 50.00 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

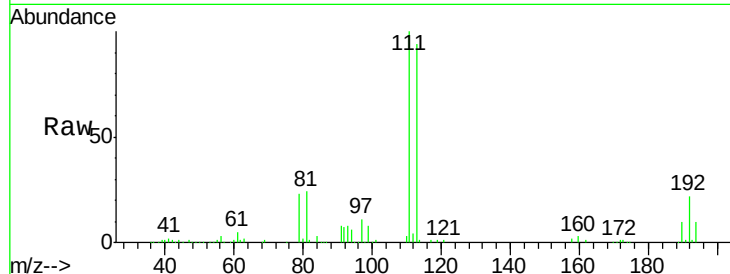




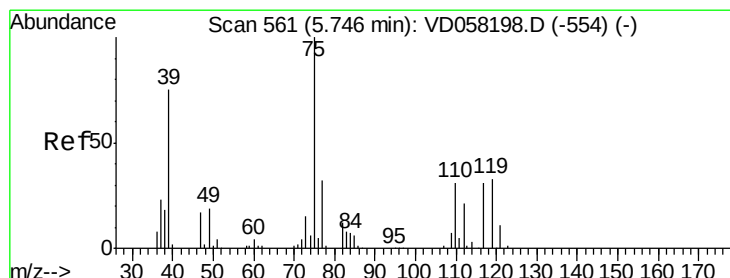
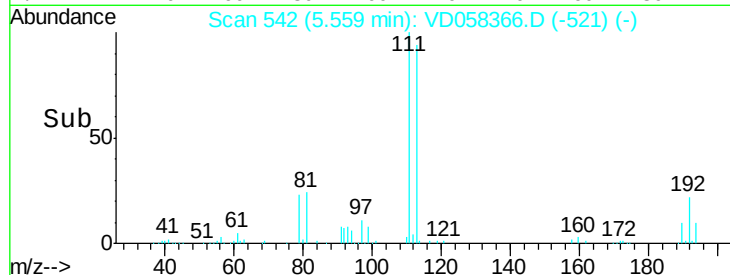
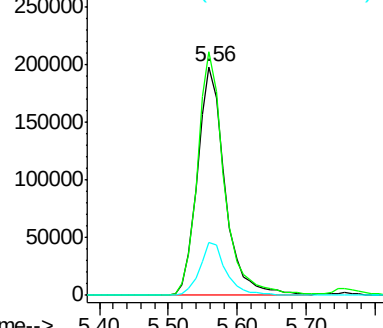
#35
Dibromofluoromethane
Concen: 50.00 ug/l
RT: 5.56 min Scan# 542
Delta R.T. 0.01 min
Lab File: VD058366.D
Acq: 24 Jun 2018 12:36

Instrument :
MSVOA_D
ClientSampleId :
VD0624SBSD01

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

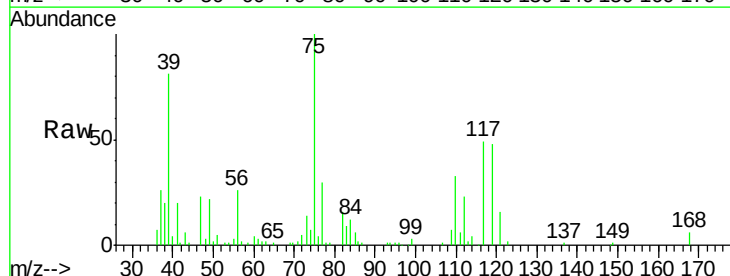


Abundance Ion 112.90 (112.60 to 113.60): V
Ion 110.90 (110.60 to 111.60): V
Ion 191.80 (191.50 to 192.50): V

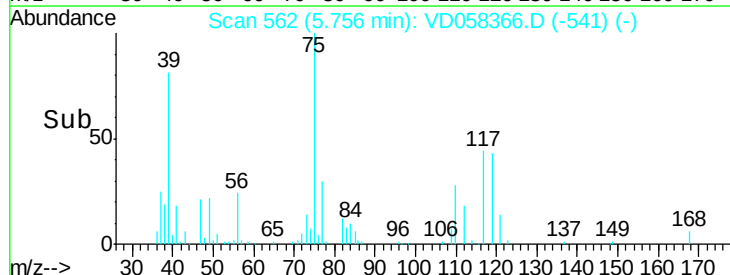
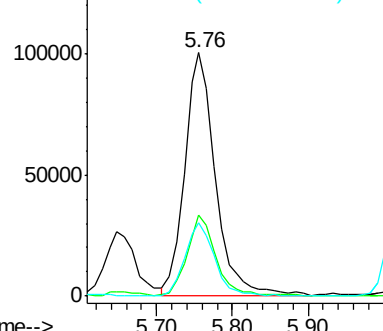


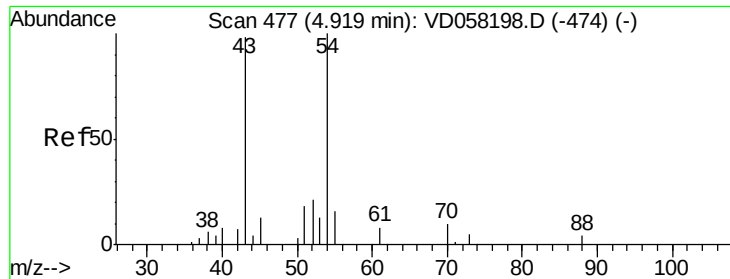
#36
1,1-Dichloropropene
Concen: 23.73 ug/l
RT: 5.76 min Scan# 562
Delta R.T. 0.01 min
Lab File: VD058366.D
Acq: 24 Jun 2018 12:36

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: 21.20 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 :

VD0624SBS01

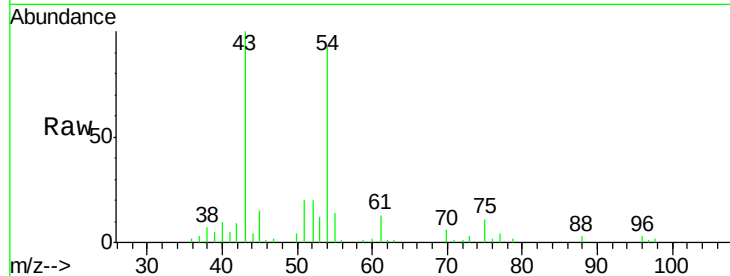
Tot Ion: 43 Resp: 144580

Ion Ratio Lower Upper

43 100

61 13.2 10.3 15.5

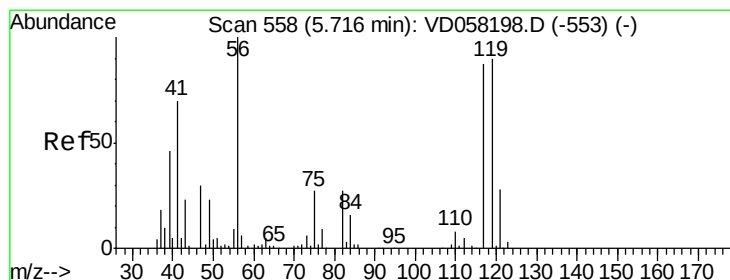
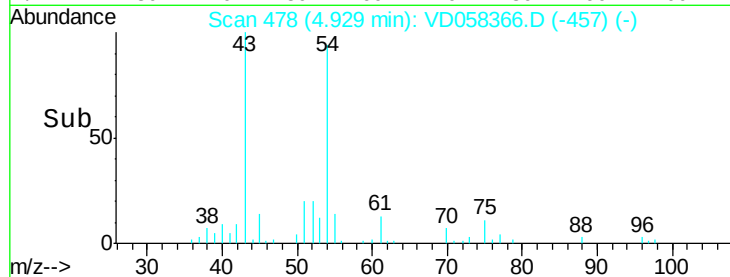
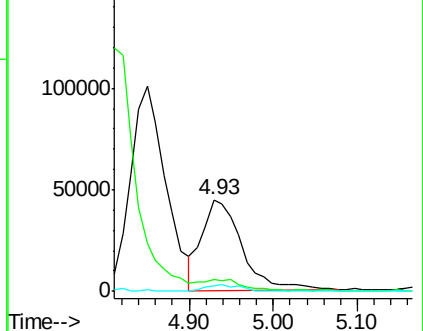
70 6.5 5.7 8.5



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: 23.68 ug/l

RT: 5.74 min Scan# 560

Delta R.T. 0.02 min

Lab File: VD058366.D

Acq: 24 Jun 2018 12:36

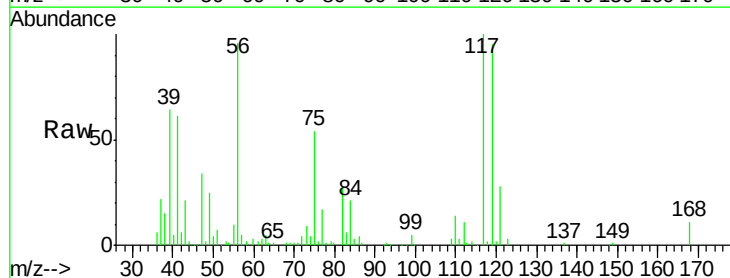
Tgt Ion: 117 Resp: 281713

Ion Ratio Lower Upper

117 100

119 94.9 78.8 118.2

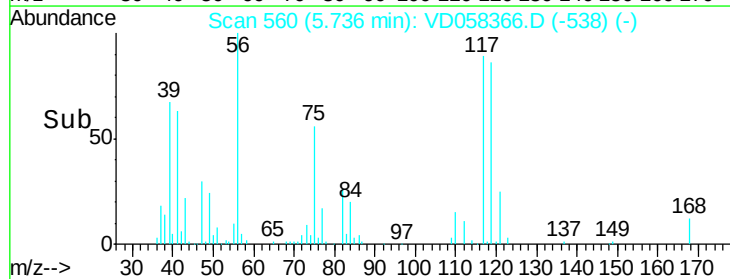
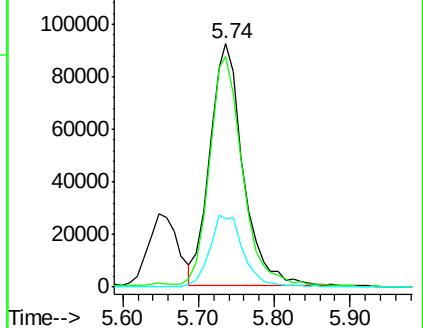
121 28.1 25.0 37.6

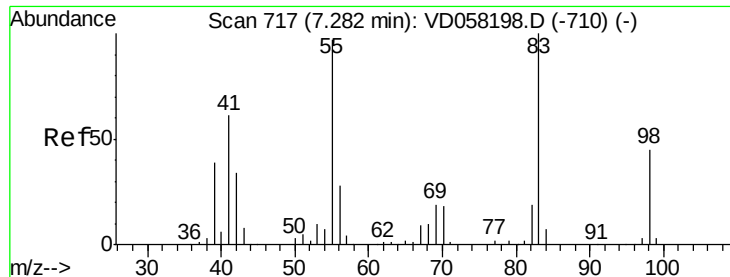


Abundance Ion 116.85 (116.55 to 117.55): V

Ion 118.85 (118.55 to 119.55): V

Ion 120.85 (120.55 to 121.55): V

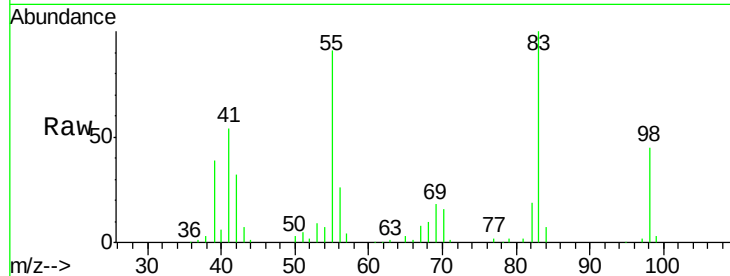




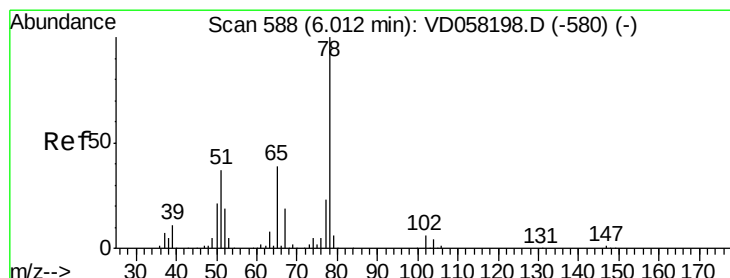
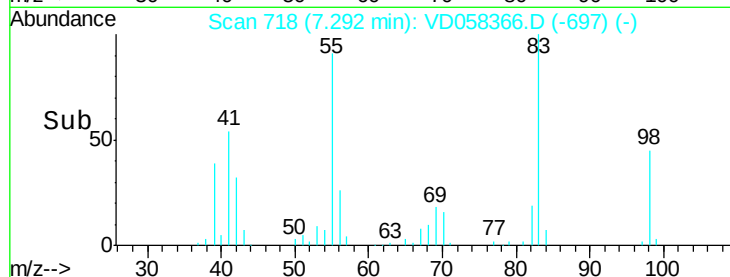
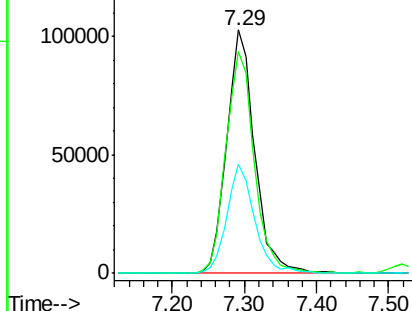
#39
Methylvlcyclohexane
Concen: 23.81 ug/l
RT: 7.29 min Scan# 718
Delta R.T. 0.01 min
Lab File: VD058366.D
Acq: 24 Jun 2018 12:36

Instrument :
MSVOA_D
ClientSampleId :
VD0624SBSD01

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

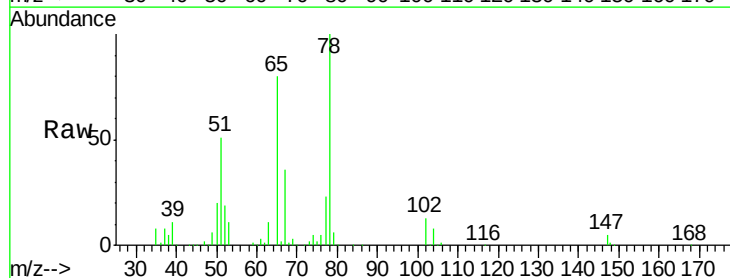


Abundance Ion 83.05 (82.75 to 83.75): VDC
Ion 55.00 (54.70 to 55.70): VDC
Ion 98.05 (97.75 to 98.75): VDC

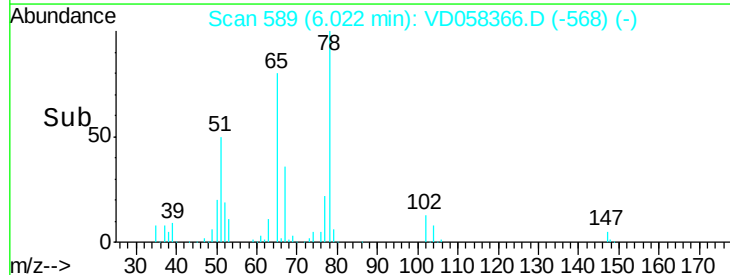
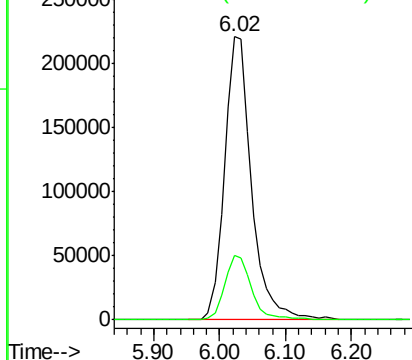


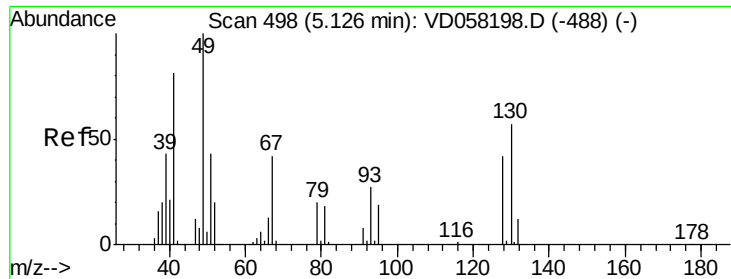
#40
Benzene
Concen: 22.24 ug/l
RT: 6.02 min Scan# 589
Delta R.T. 0.01 min
Lab File: VD058366.D
Acq: 24 Jun 2018 12:36

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

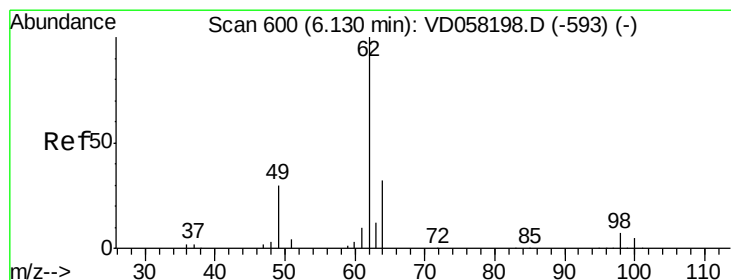
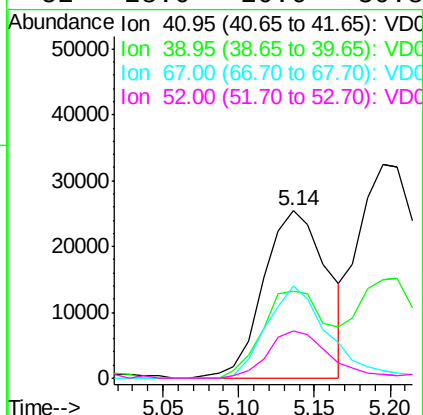
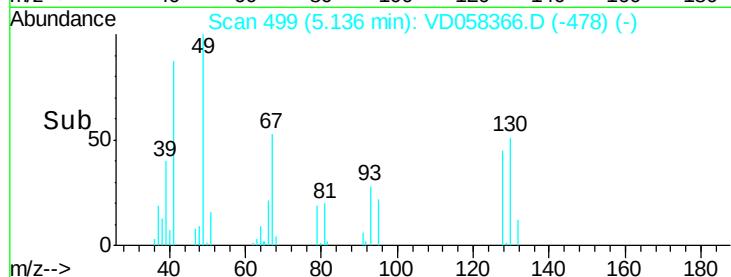
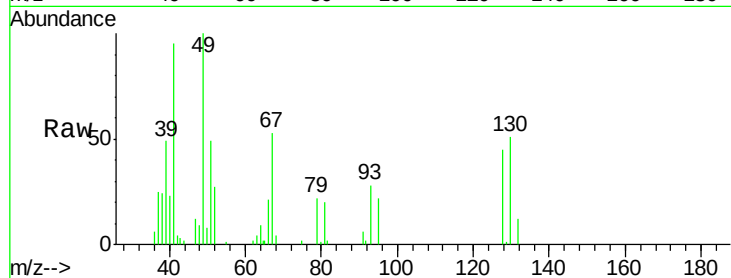




#41
Methacrylonitrile
Concen: 22.71 ug/l
RT: 5.14 min Scan# 499
Delta R.T. 0.01 min
Lab File: VD058366.D
Acq: 24 Jun 2018 12:36

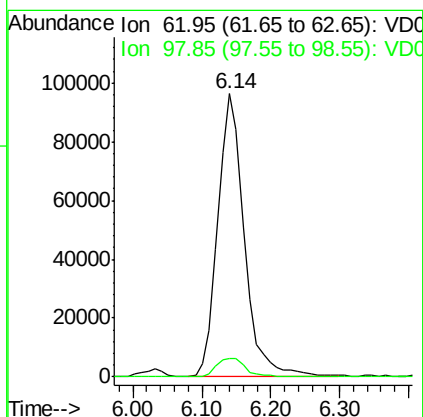
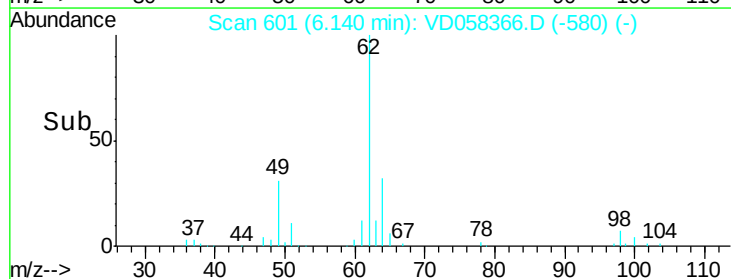
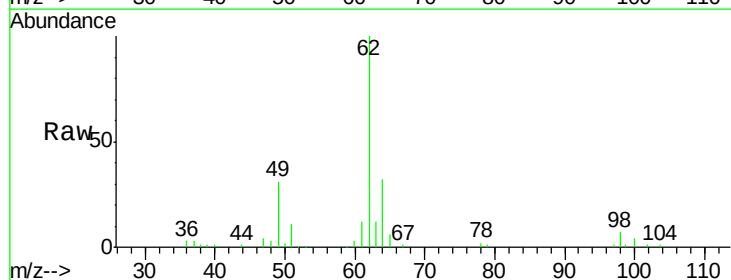
Instrument :
MSVOA_D
ClientSampleId :
VD0624SBSD01

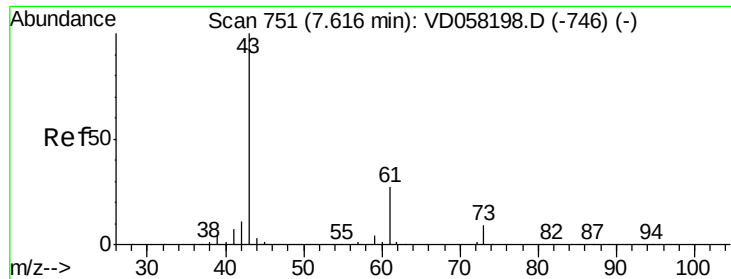
Tot Ion: 41 Resp: 74818
Ion Ratio Lower Upper
41 100
39 51.8 43.4 65.2
67 55.4 41.7 62.5
52 28.0 20.6 30.8



#42
1,2-Dichloroethane
Concen: 22.39 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: 21.05 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

ClientSampleId :

VD0624SBSD01

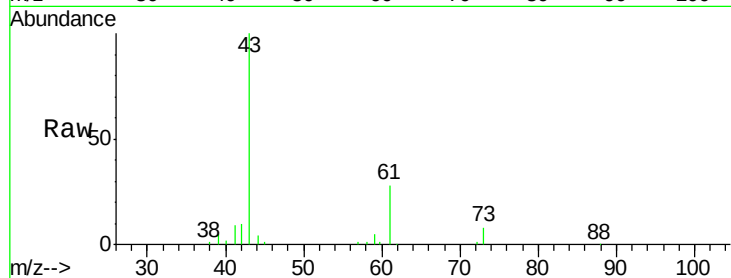
Tot Ion: 43 Resp: 191419

Ion Ratio Lower Upper

43 100

61 27.7 21.8 32.6

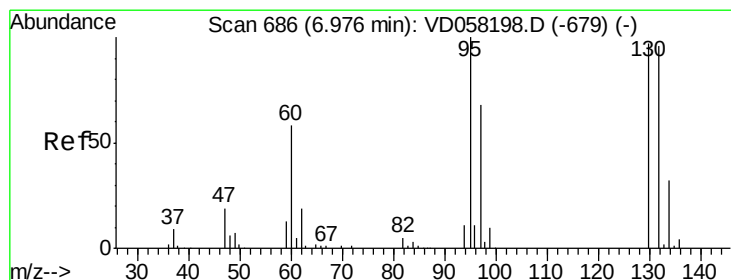
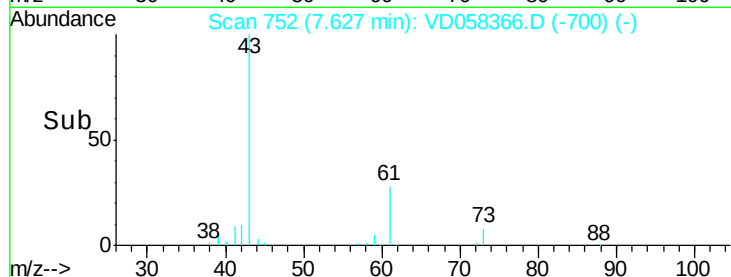
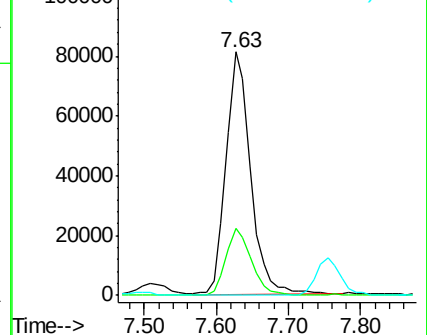
87 0.0 0.3 0.5#



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: 25.93 ug/l

RT: 7.00 min Scan# 688

Delta R.T. 0.02 min

Lab File: VD058366.D

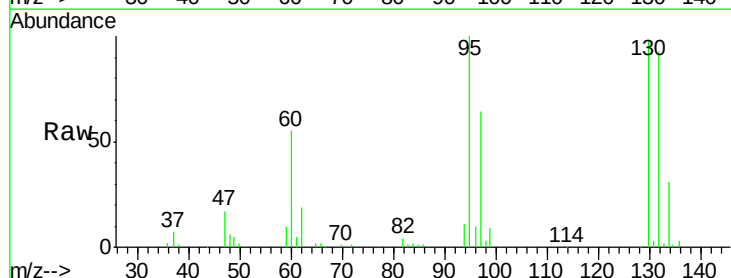
Acq: 24 Jun 2018 12:36

Tgt Ion:130 Resp: 222080

Ion Ratio Lower Upper

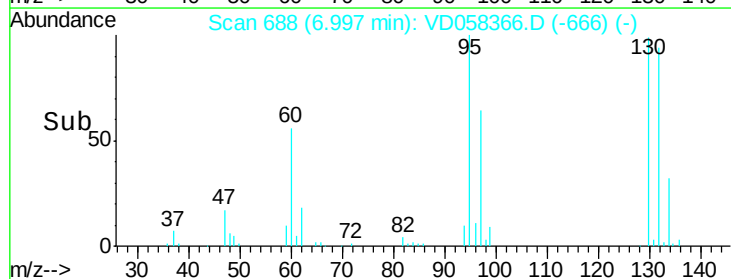
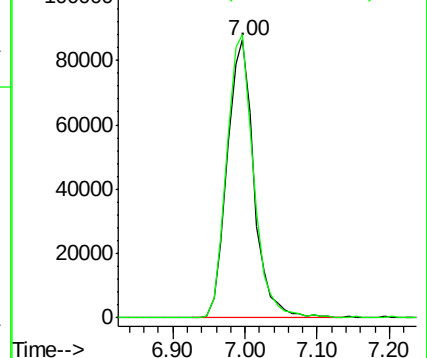
130 100

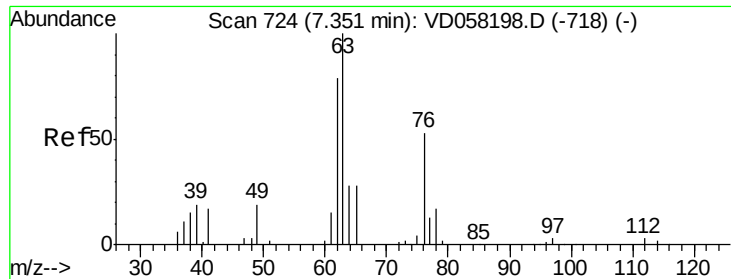
95 101.8 0.0 205.6



Abundance Ion 129.80 (129.50 to 130.50): V

Ion 94.90 (94.60 to 95.60): VDC

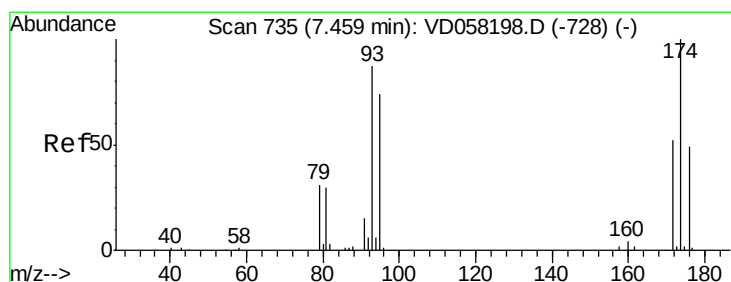
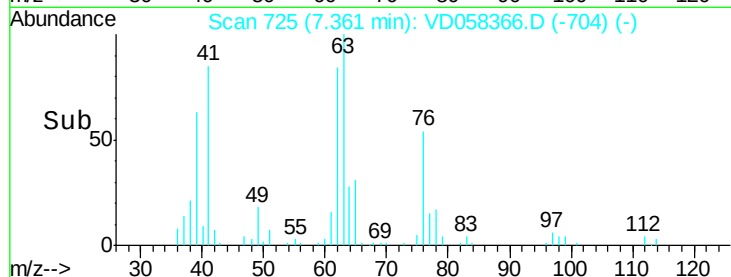
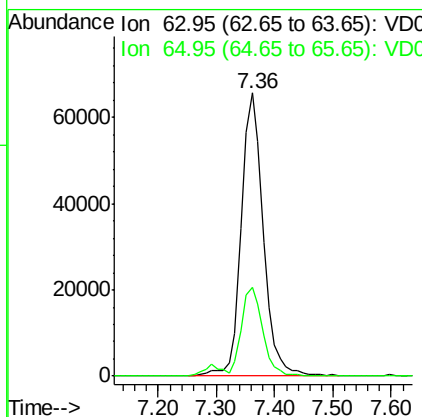
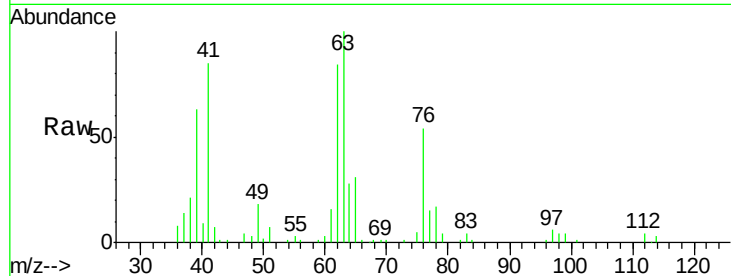




#45
 1,2-Dichloropropane
 Concen: 22.67 ug/l
 RT: 7.36 min Scan# 725
 Delta R.T. 0.01 min
 Lab File: VD058366.D
 Acq: 24 Jun 2018 12:36

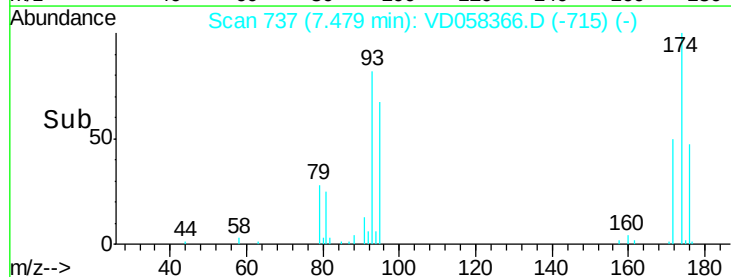
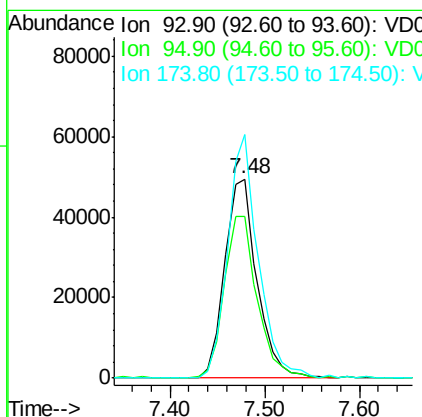
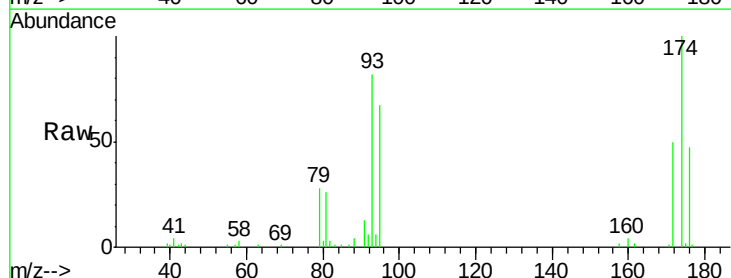
Instrument :
 MSVOA_D
 ClientSampleId :
 VD0624SBSD01

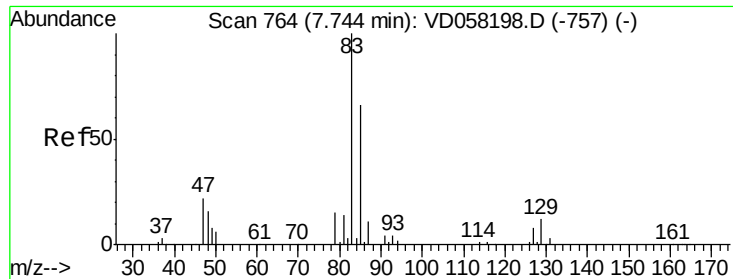
Tot Ion: 63 Resp: 174099
 Ion Ratio Lower Upper
 63 100
 65 31.3 24.0 36.0



#46
 Dibromomethane
 Concen: 22.28 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





#47

Bromodichloromethane

Concen: 23.34 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

ClientSampleId :

VD0624SBSD01

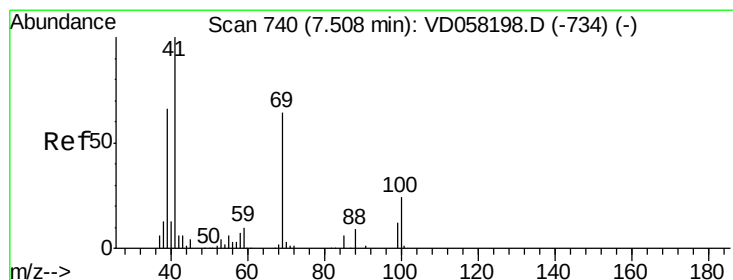
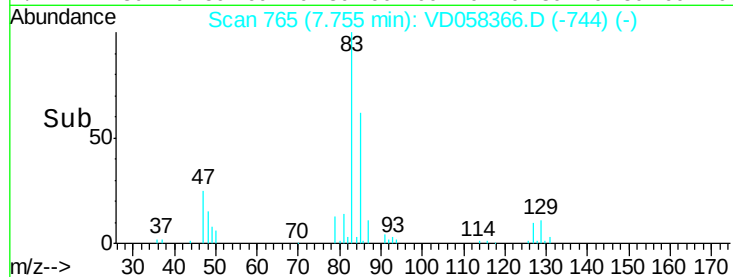
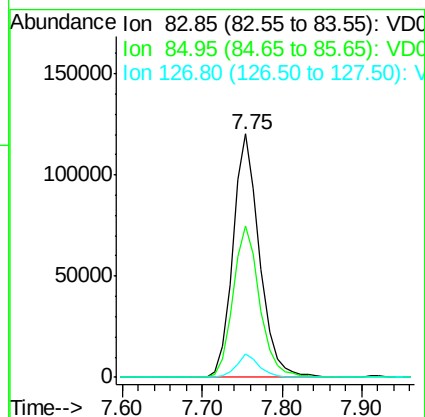
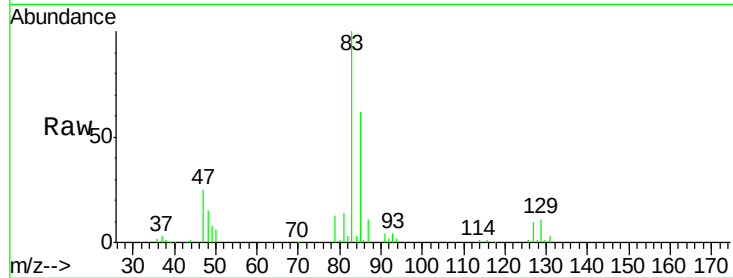
Tot Ion: 83 Resp: 279041

Ion Ratio Lower Upper

83 100

85 62.1 52.6 78.8

127 9.7 6.2 9.4#



#48

Methyl methacrylate

Concen: 21.61 ug/l

RT: 7.52 min Scan# 741

Delta R.T. 0.01 min

Lab File: VD058366.D

Acq: 24 Jun 2018 12:36

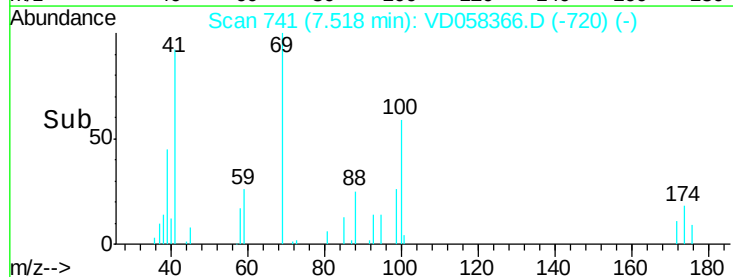
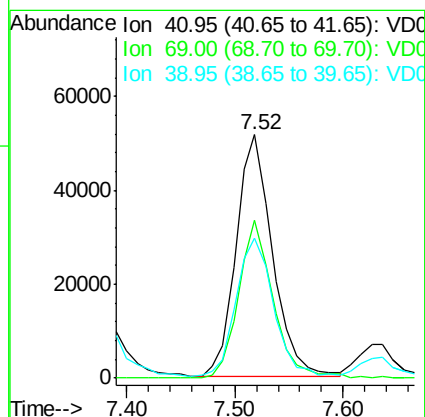
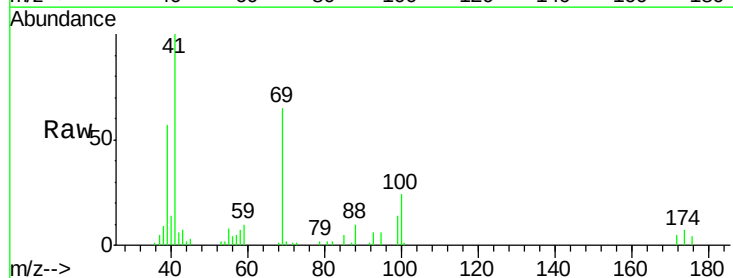
Tgt Ion: 41 Resp: 119429

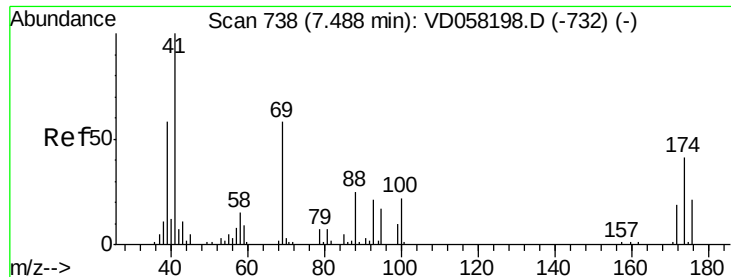
Ion Ratio Lower Upper

41 100

69 64.8 50.7 76.1

39 57.5 52.6 78.8

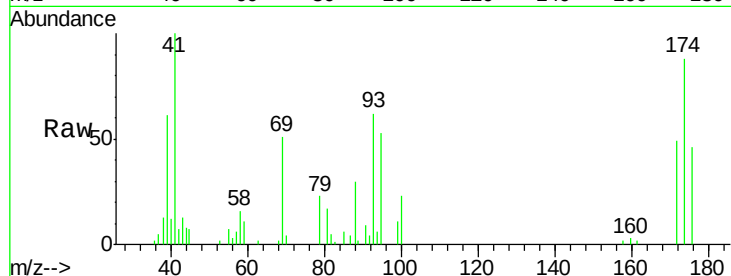




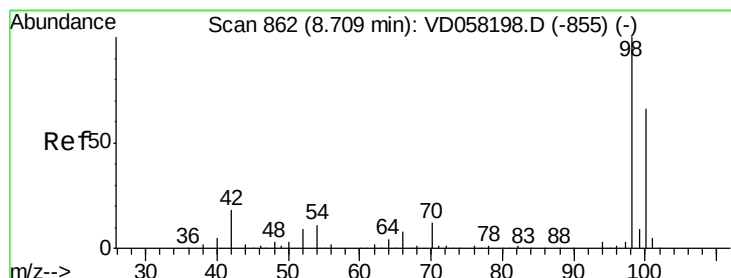
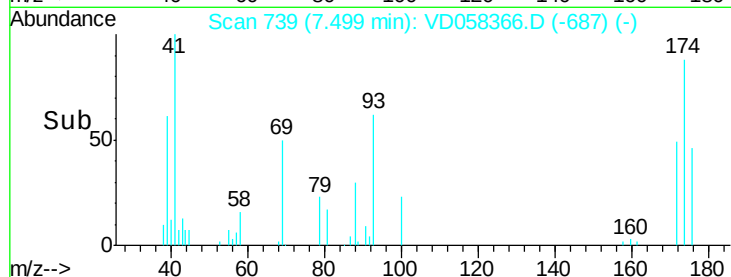
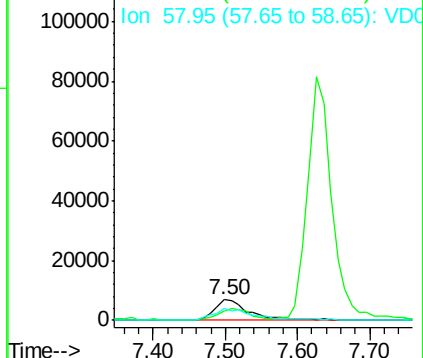
#49
1,4-Dioxane
Concen: 462.77 ug/l
RT: 7.50 min Scan# 739
Delta R.T. 0.01 min
Lab File: VD058366.D
Acq: 24 Jun 2018 12:36

Instrument :
MSVOA_D
ClientSampleId :
VD0624SBSD01

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

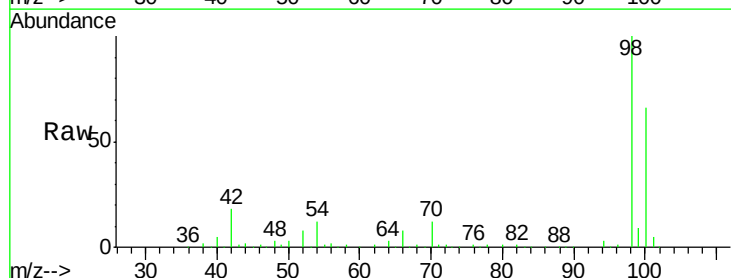


Abundance Ion 88.00 (87.70 to 88.70): VDC
Ion 43.05 (42.75 to 43.75): VDC
Ion 57.95 (57.65 to 58.65): VDC

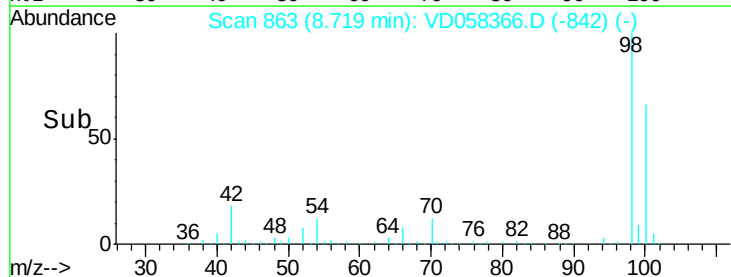
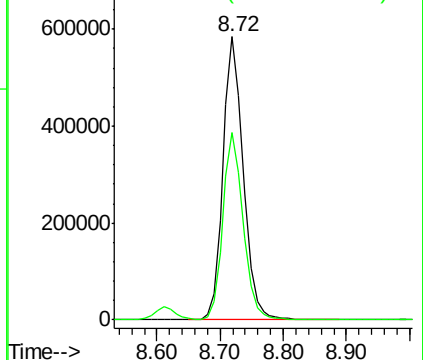


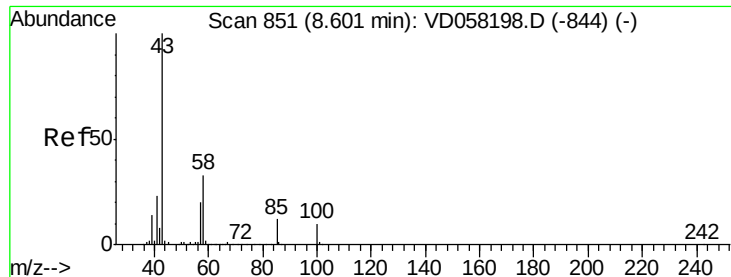
#50
Toluene-d8
Concen: 462.77 ug/l
RT: 8.72 min Scan# 863
Delta R.T. 0.01 min
Lab File: VD058366.D
Acq: 24 Jun 2018 12:36

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: 107.88 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 :

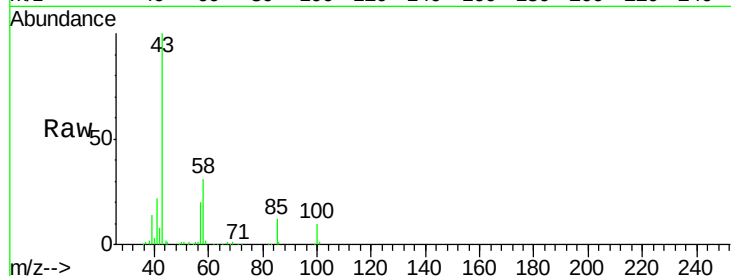
VD0624SBS01

Tot Ion: 43 Resp: 639957

Ion Ratio Lower Upper

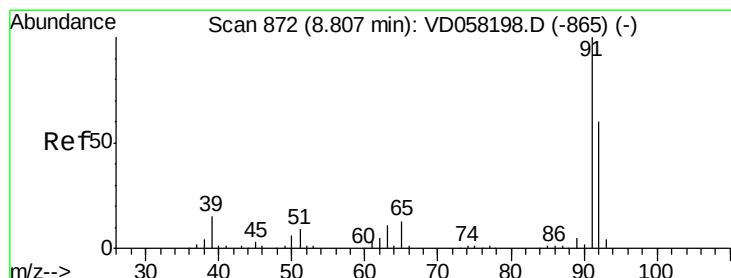
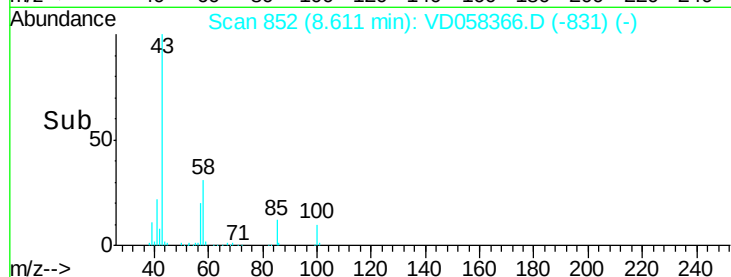
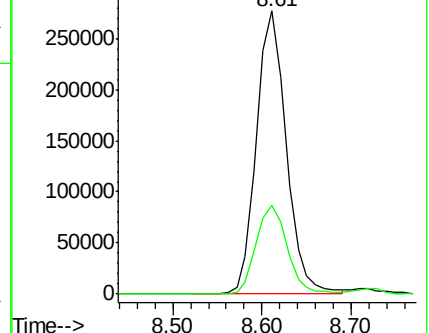
43 100

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



#52

Toluene

Concen: 23.13 ug/l

RT: 8.82 min Scan# 873

Delta R.T. 0.01 min

Lab File: VD058366.D

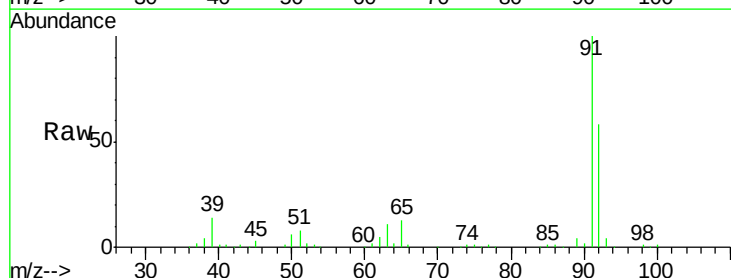
Acq: 24 Jun 2018 12:36

Tgt Ion: 92 Resp: 375650

Ion Ratio Lower Upper

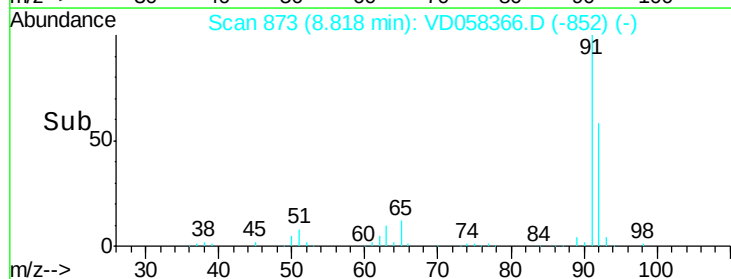
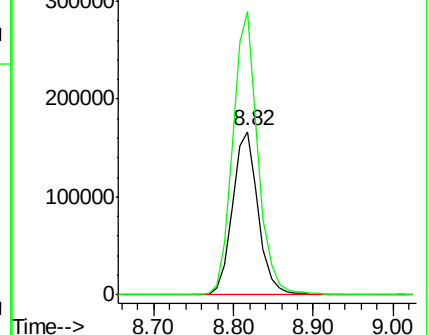
92 100

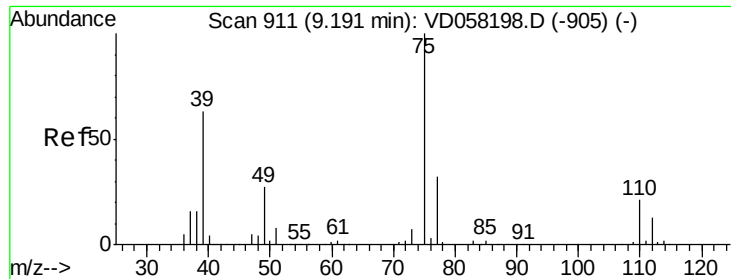
91 173.6 133.2 199.8



Abundance Ion 92.00 (91.70 to 92.70): VDC

Ion 91.00 (90.70 to 91.70): VDC

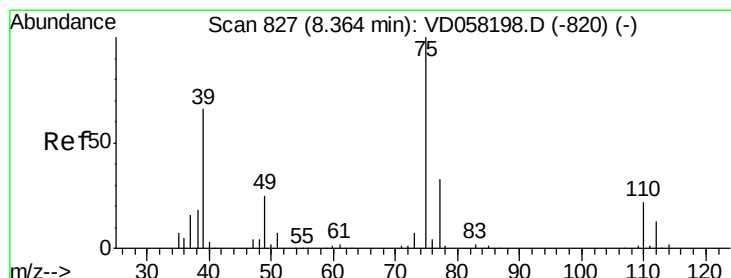
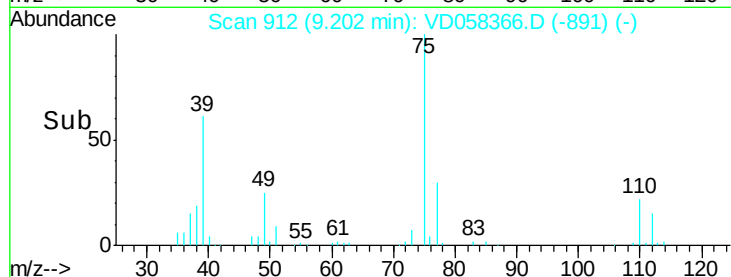
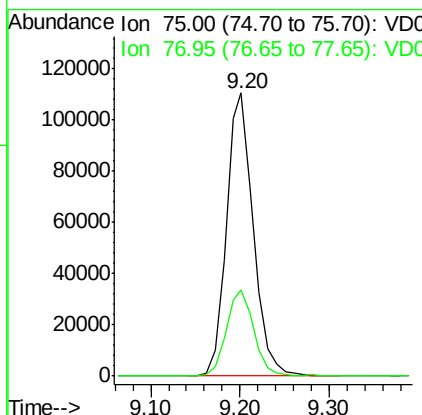
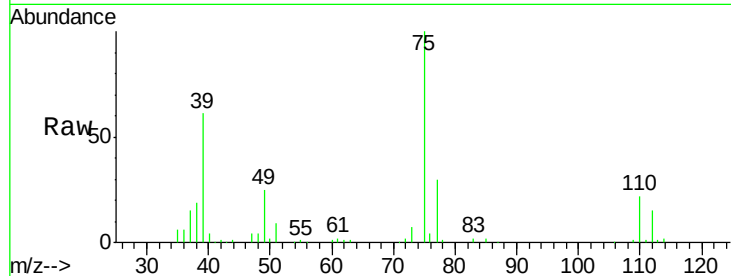




#53
 t-1,3-Dichloropropene
 Concen: 22.43 ug/l
 RT: 9.20 min Scan# 912
 Delta R.T. 0.01 min
 Lab File: VD058366.D
 Acq: 24 Jun 2018 12:36

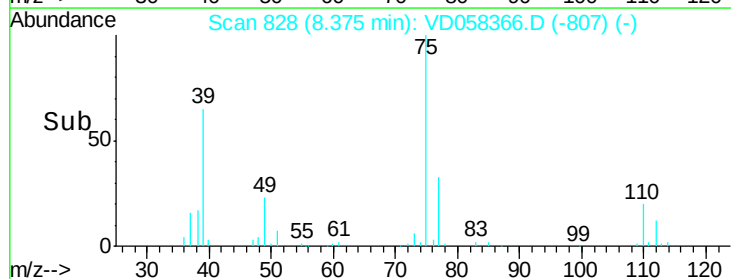
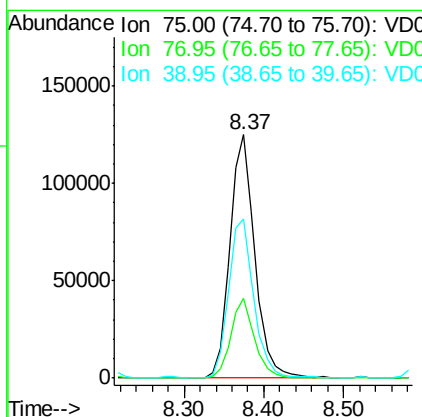
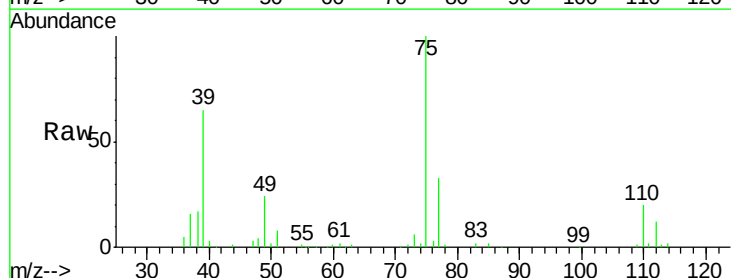
Instrument :
 MSVOA_D
 ClientSampleId :
 VD0624SBSD01

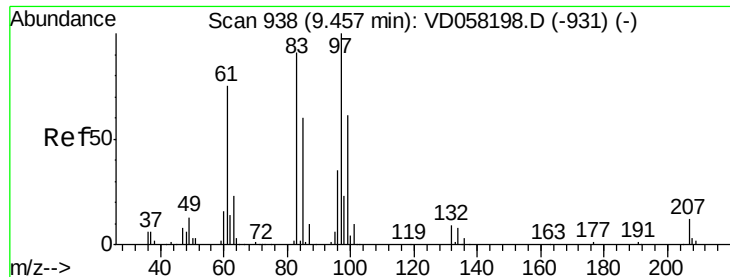
Tot Ion: 75 Resp: 233205
 Ion Ratio Lower Upper
 75 100
 77 30.3 25.8 38.8



#54
 cis-1,3-Dichloropropene
 Concen: 22.44 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





#55

1,1,2-Trichloroethane

Concen: 21.73 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 :

VD0624SBS01

Tot Ion: 97 Resp: 124824

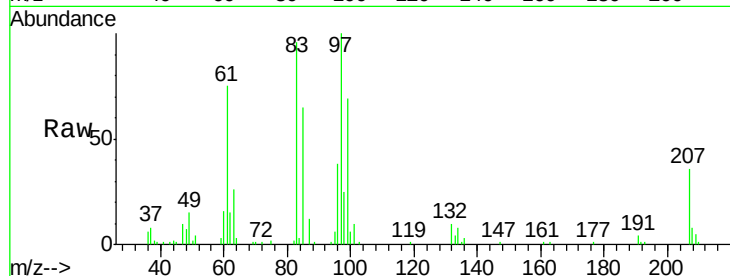
Ion Ratio Lower Upper

97 100

83 96.3 72.9 109.3

85 65.1 48.2 72.4

99 68.5 48.9 73.3

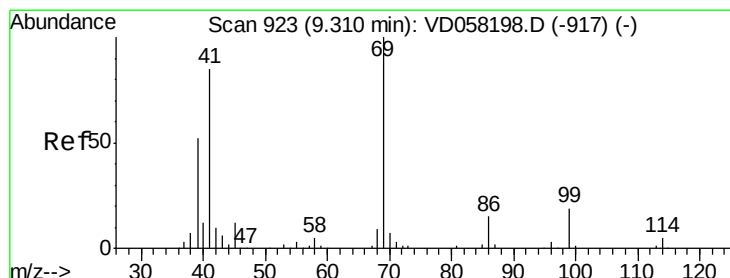
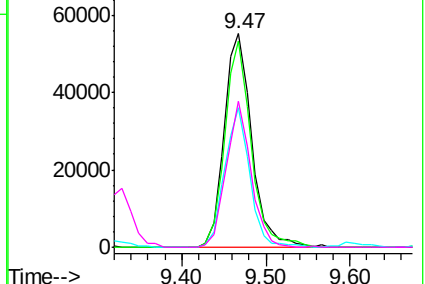
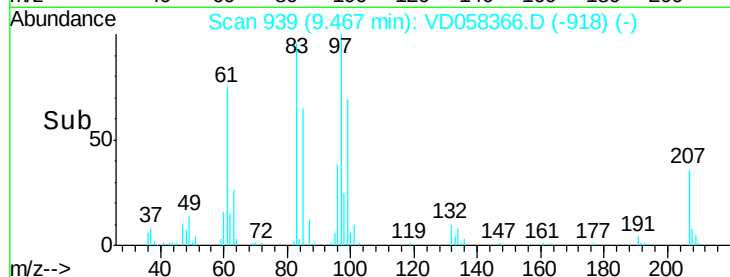


Abundance Ion 96.85 (96.55 to 97.55): VDC

Ion 82.95 (82.65 to 83.65): VDC

Ion 84.95 (84.65 to 85.65): VDC

Ion 98.85 (98.55 to 99.55): VDC



#56

Ethyl methacrylate

Concen: 21.95 ug/l

RT: 9.33 min Scan# 925

Delta R.T. 0.02 min

Lab File: VD058366.D

Acq: 24 Jun 2018 12:36

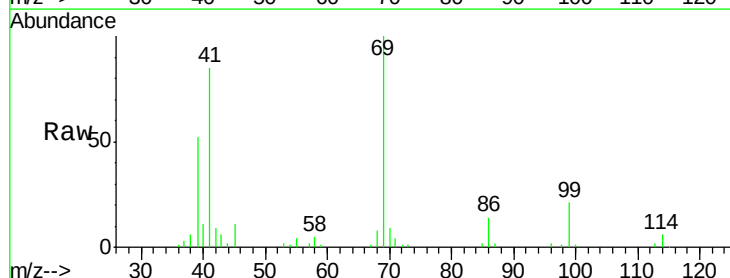
Tgt Ion: 69 Resp: 150823

Ion Ratio Lower Upper

69 100

41 85.5 67.6 101.4

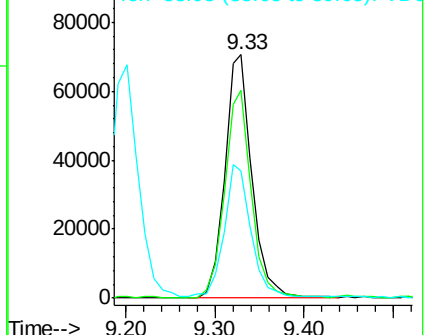
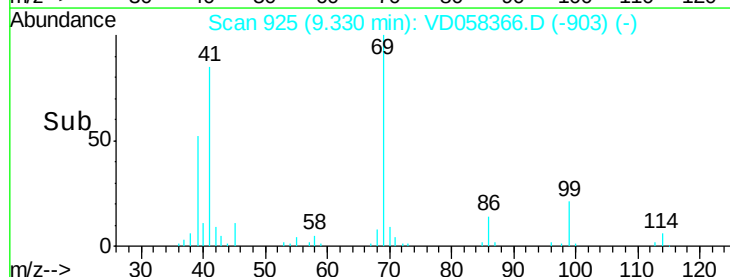
39 52.2 42.2 63.2

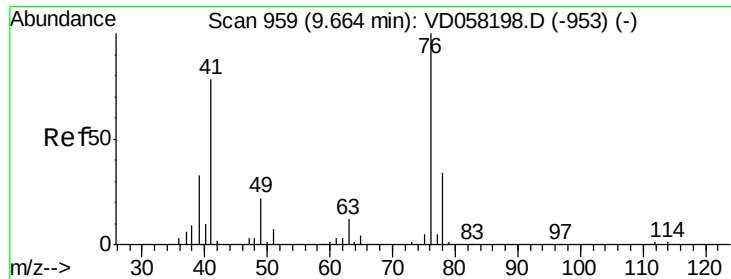


Abundance Ion 69.00 (68.70 to 69.70): VDC

Ion 41.05 (40.75 to 41.75): VDC

Ion 38.95 (38.65 to 39.65): VDC

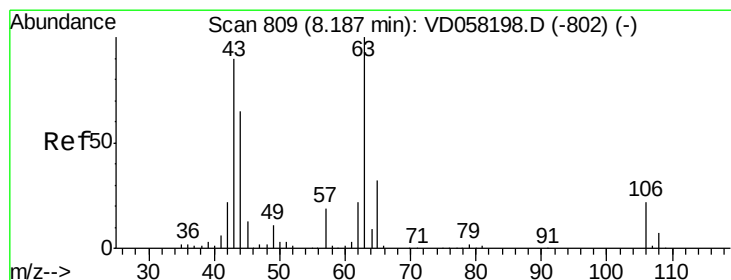
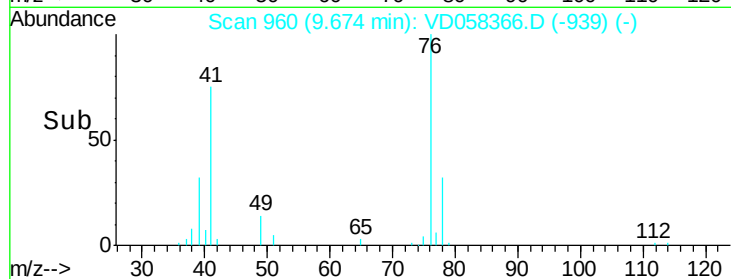
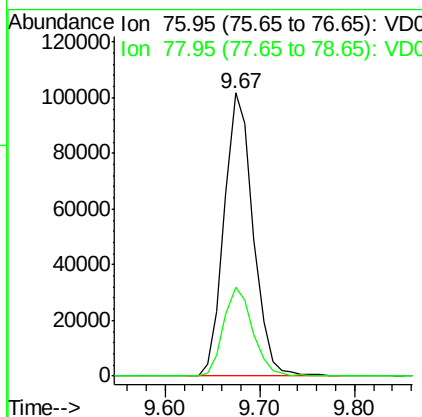
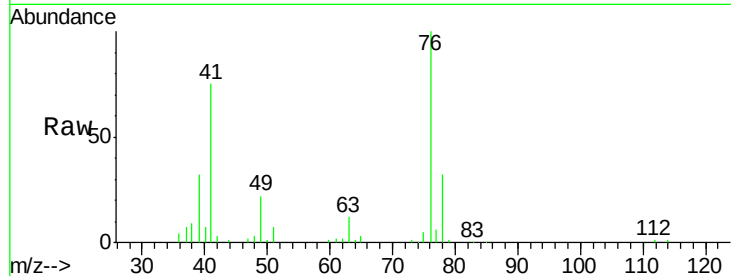




#57
 1,3-Dichloropropane
 Concen: 22.23 ug/l
 RT: 9.67 min Scan# 960
 Delta R.T. 0.01 min
 Lab File: VD058366.D
 Acq: 24 Jun 2018 12:36

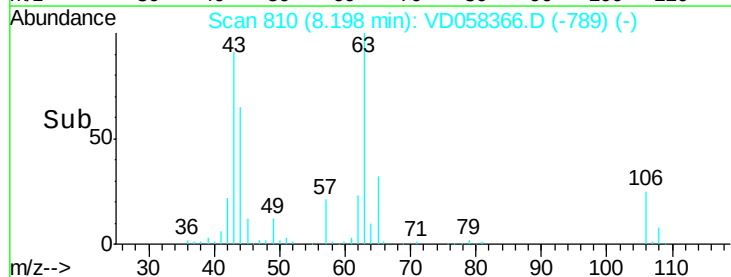
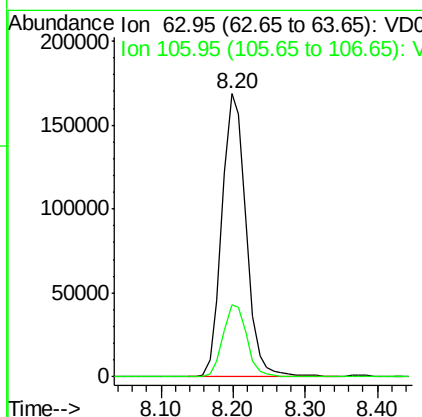
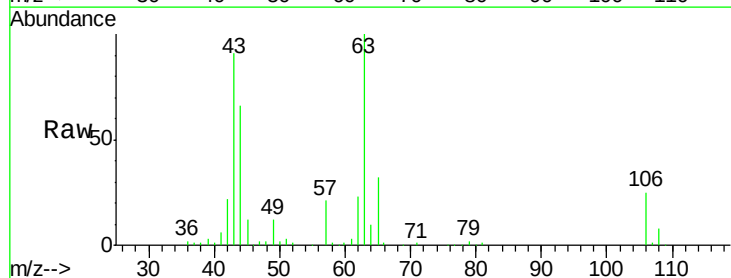
Instrument :
 MSVOA_D
 ClientSampleId :
 VD0624SBSD01

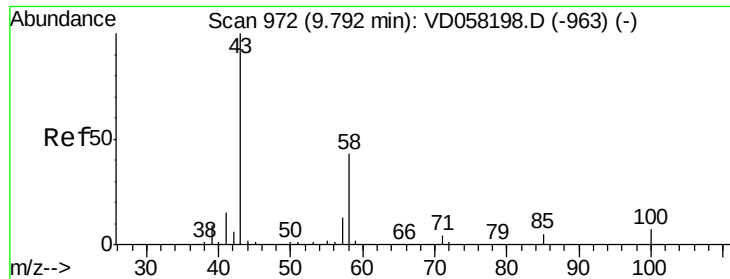
Tot Ion: 76 Resp: 215156
 Ion Ratio Lower Upper
 76 100
 78 31.5 27.0 40.6



#58
 2-Chloroethyl Vinyl ether
 Concen: 114.90 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

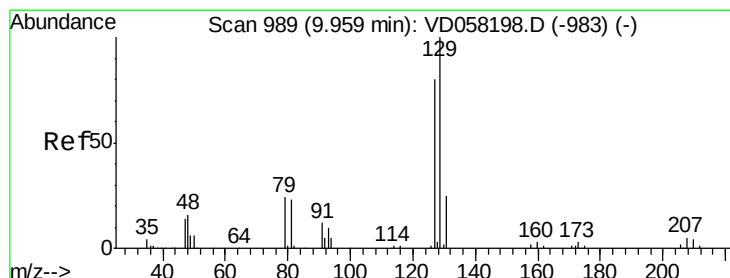
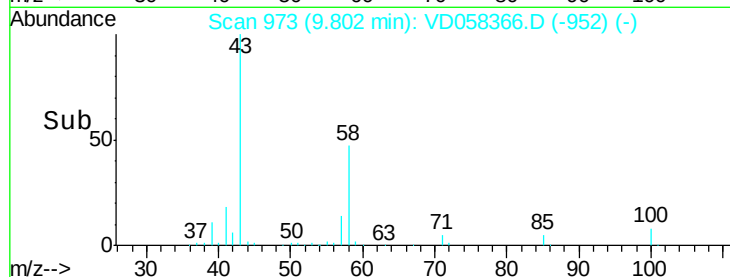
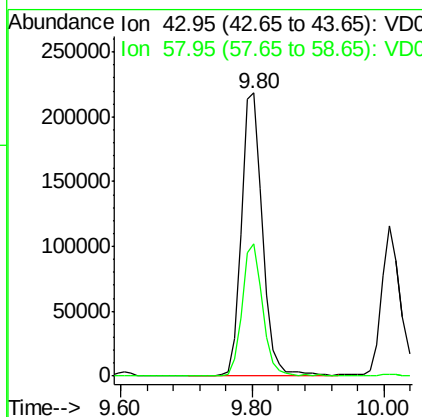
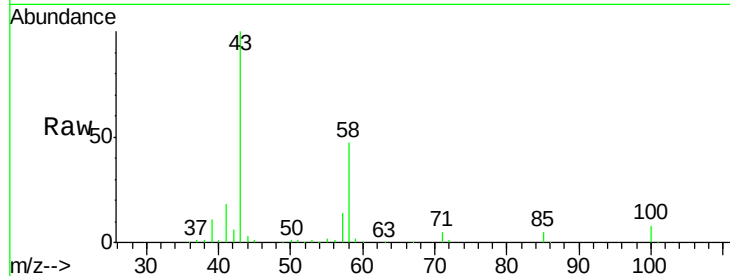




#59
2-Hexanone
Concen: 114.47 ug/l
RT: 9.80 min Scan# 973
Delta R.T. 0.01 min
Lab File: VD058366.D
Acq: 24 Jun 2018 12:36

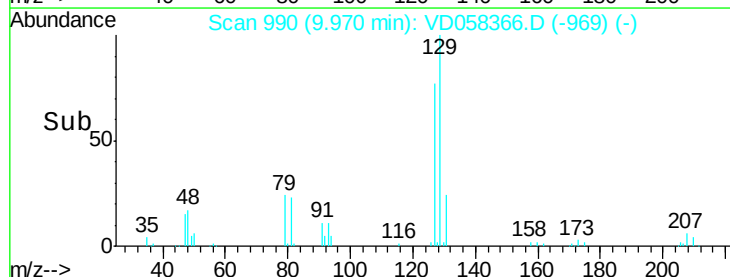
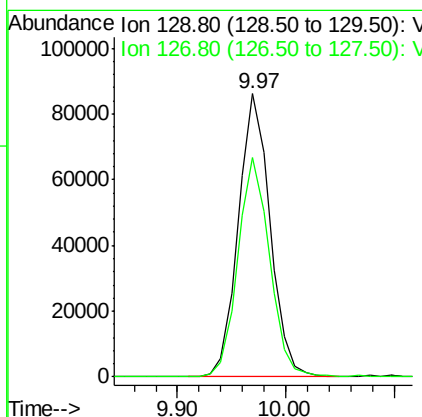
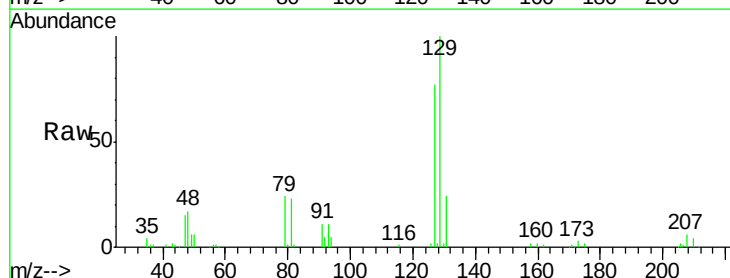
Instrument :
MSVOA_D
ClientSampleId :
VD0624SBSD01

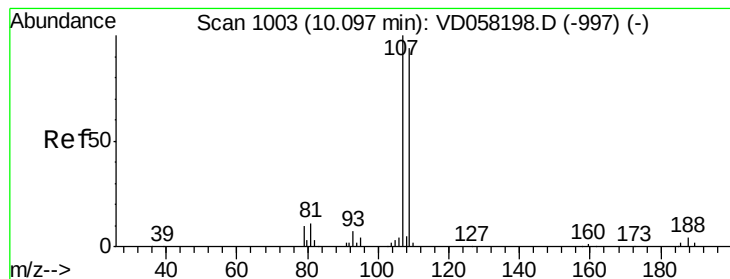
Tot Ion: 43 Resp: 490647
Ion Ratio Lower Upper
43 100
58 46.9 21.7 65.1



#60
Dibromochloromethane
Concen: 22.57 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: 22.26 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 :

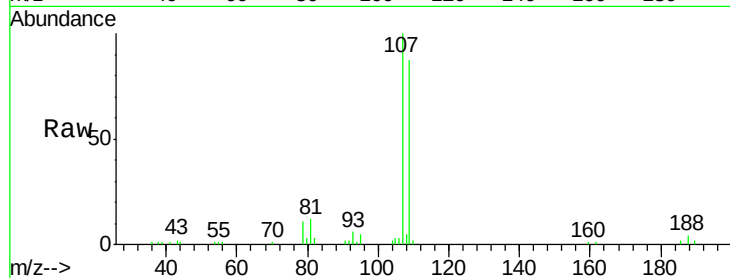
VD0624SBSD01

Tot Ion:107 Resp: 139948

Ion Ratio Lower Upper

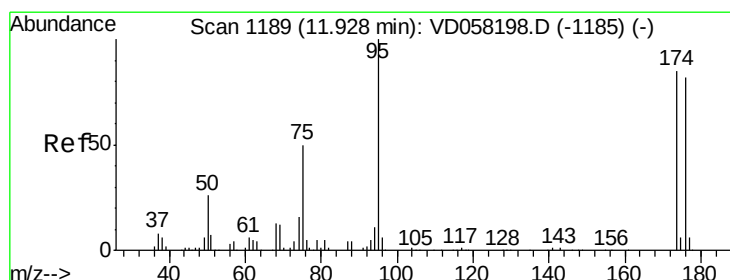
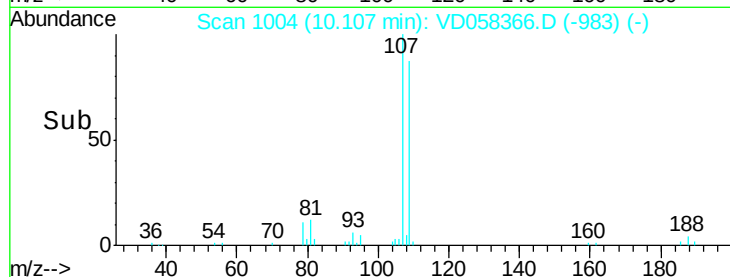
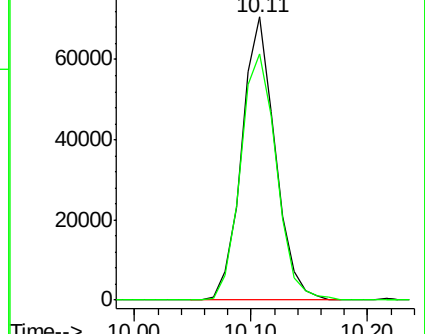
107 100

109 87.0 74.8 112.2



Abundance Ion 106.90 (106.60 to 107.60): V

Ion 108.90 (108.60 to 109.60): V



#62

4-Bromofluorobenzene

Concen: 22.26 ug/l

RT: 11.94 min Scan# 1190

Delta R.T. 0.01 min

Lab File: VD058366.D

Acq: 24 Jun 2018 12:36

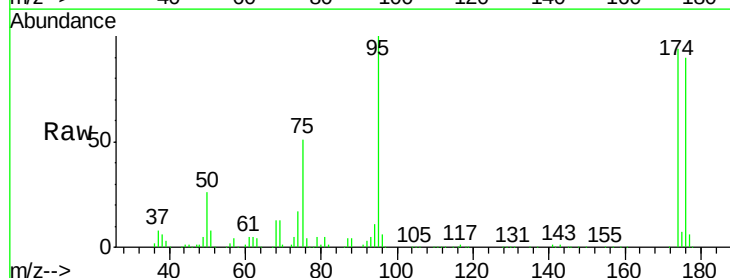
Tgt Ion: 95 Resp: 518750

Ion Ratio Lower Upper

95 100

174 94.0 0.0 170.2

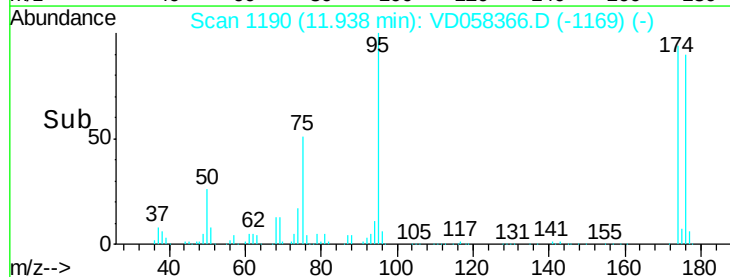
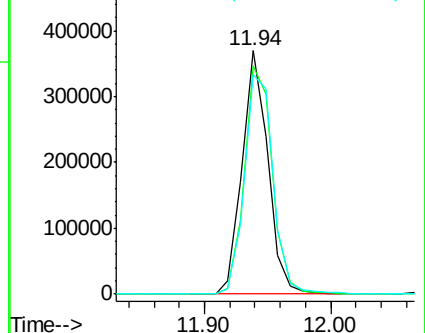
176 90.1 0.0 164.6

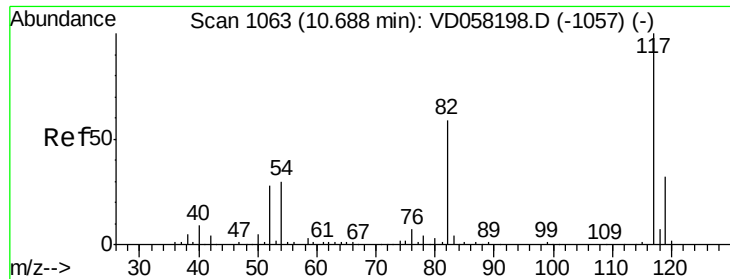


Abundance Ion 95.00 (94.70 to 95.70): V

Ion 173.90 (173.60 to 174.60): V

Ion 175.90 (175.60 to 176.60): V

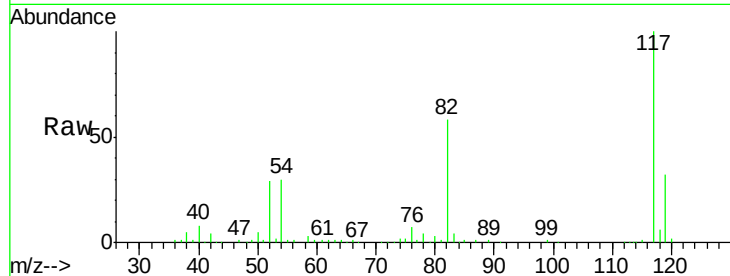




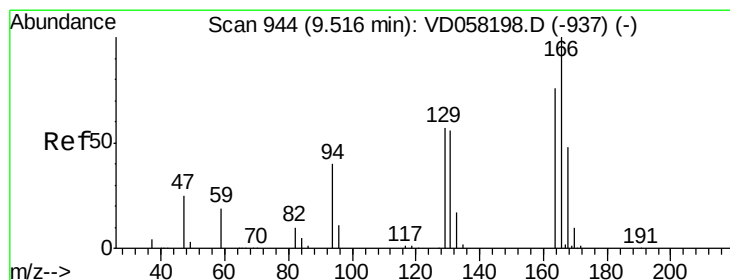
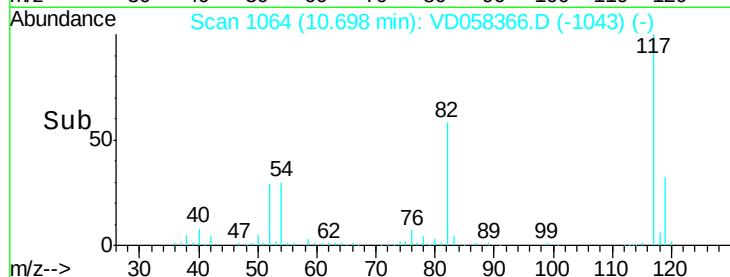
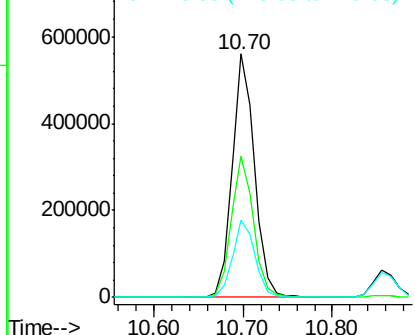
#63
Chlorobenzene-d5
Concen: 50.00 ug/l
RT: 10.70 min Scan# 1064
Delta R.T. 0.01 min
Lab File: VD058366.D
Acq: 24 Jun 2018 12:36

Instrument :
MSVOA_D
ClientSampleId :
VD0624SBSD01

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

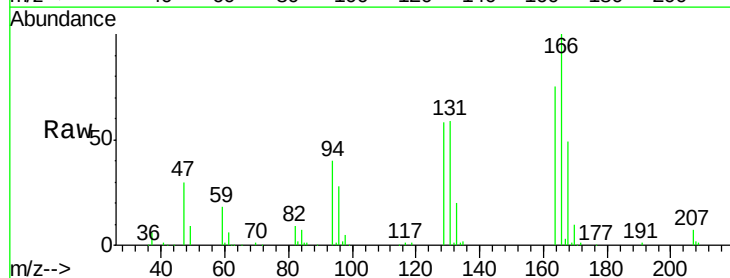


Abundance Ion 116.95 (116.65 to 117.65): V
Ion 82.05 (81.75 to 82.75): V
Ion 118.95 (118.65 to 119.65): V

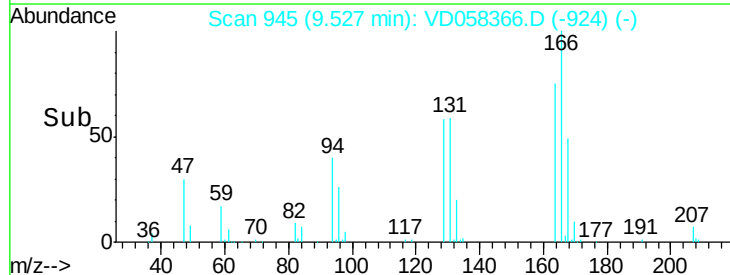
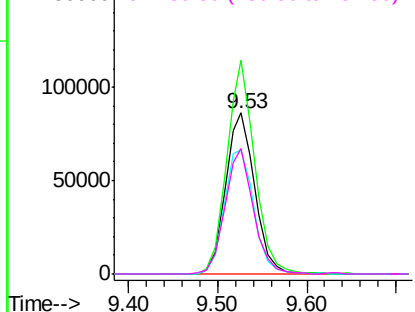


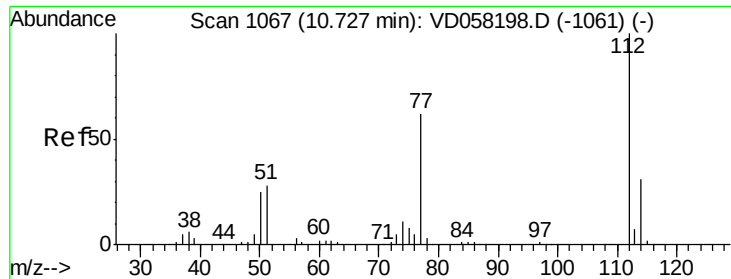
#64
Tetrachloroethene
Concen: 23.66 ug/l
RT: 9.53 min Scan# 945
Delta R.T. 0.01 min
Lab File: VD058366.D
Acq: 24 Jun 2018 12:36

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

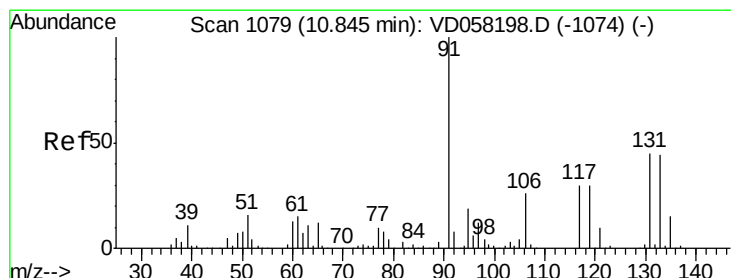
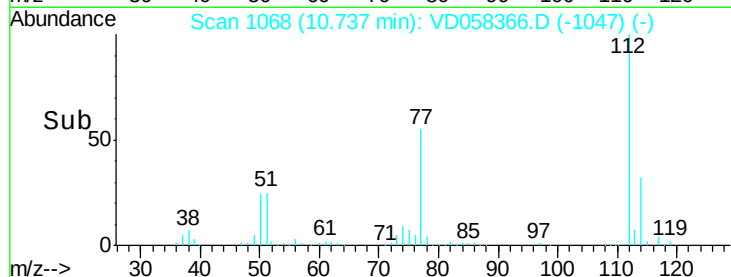
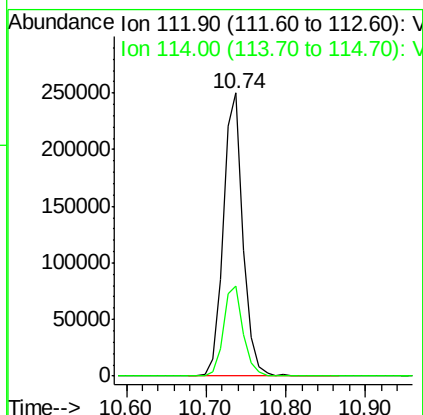
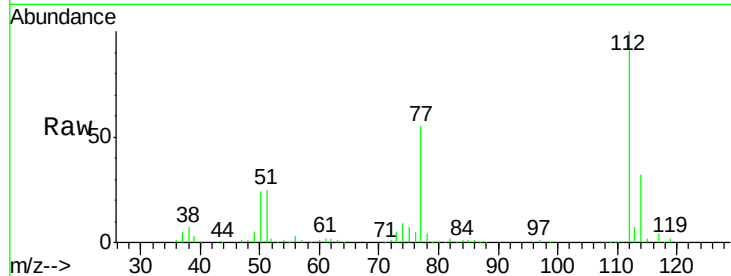




#65
Chlorobenzene
Concen: 23.50 ug/l
RT: 10.74 min Scan# 1068
Delta R.T. 0.01 min
Lab File: VD058366.D
Acq: 24 Jun 2018 12:36

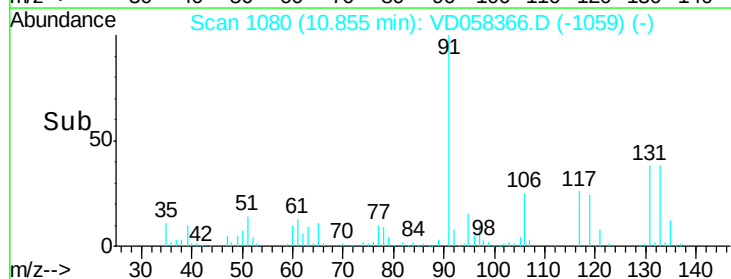
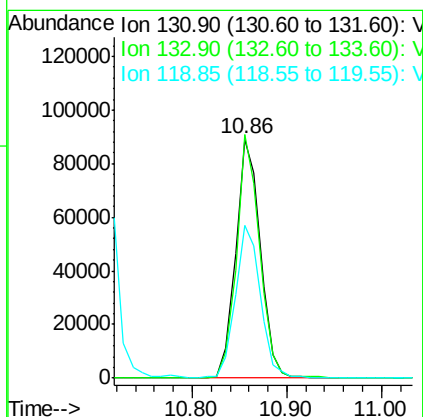
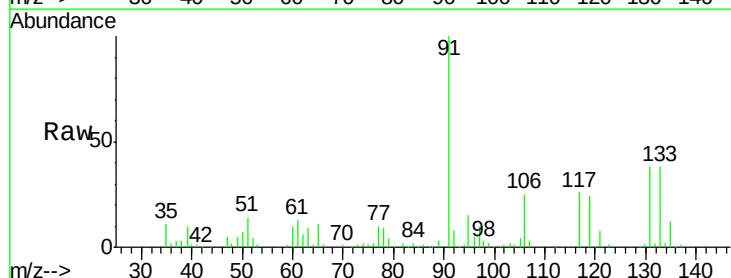
Instrument :
MSVOA_D
ClientSampleId :
VD0624SBSD01

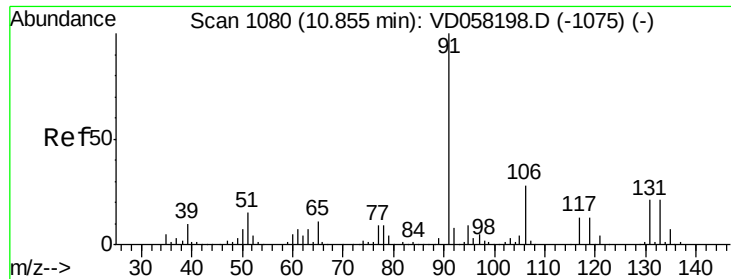
Tot Ion:112 Resp: 434324
Ion Ratio Lower Upper
112 100
114 31.9 25.0 37.4



#66
1,1,1,2-Tetrachloroethane
Concen: 22.45 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

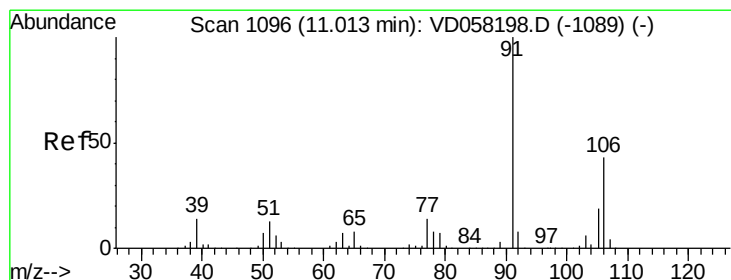
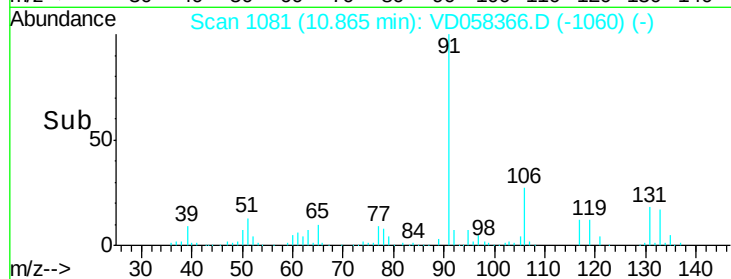
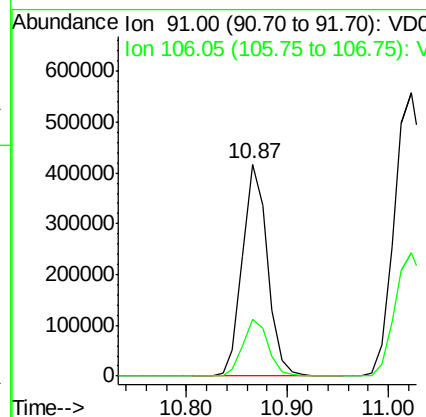
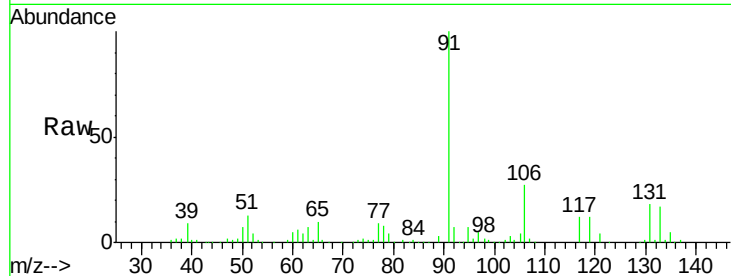




#67
Ethyl Benzene
Concen: 22.17 ug/l
RT: 10.87 min Scan# 1081
Delta R.T. 0.01 min
Lab File: VD058366.D
Acq: 24 Jun 2018 12:36

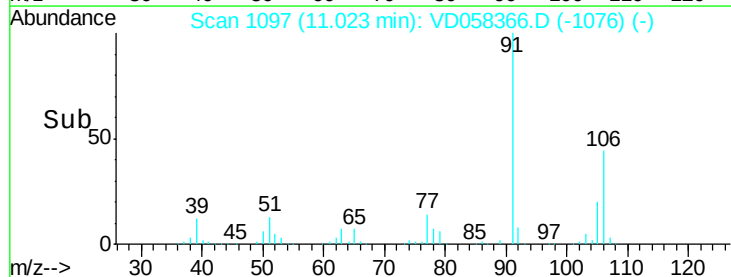
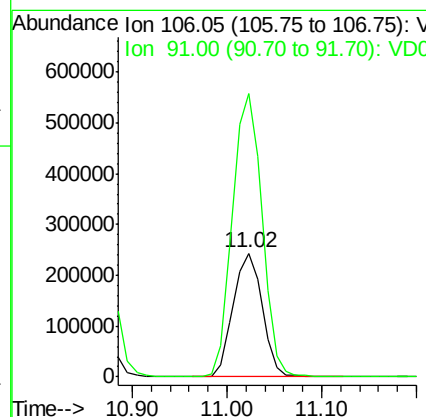
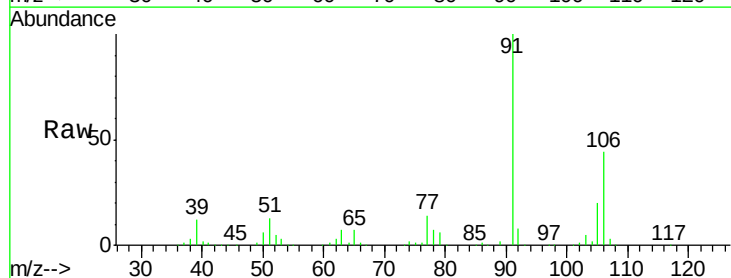
Instrument :
MSVOA_D
ClientSampleId :
VD0624SBSD01

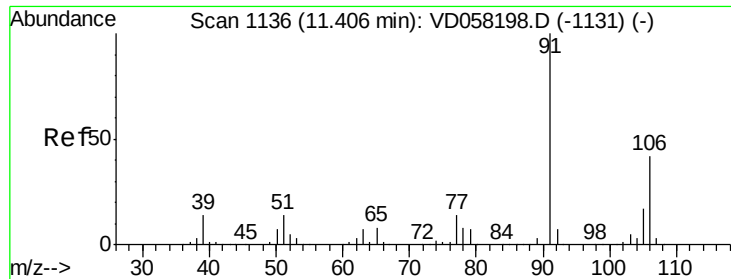
Tot Ion: 91 Resp: 723438
Ion Ratio Lower Upper
91 100
106 26.9 22.0 33.0



#68
m/p-Xylenes
Concen: 47.94 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

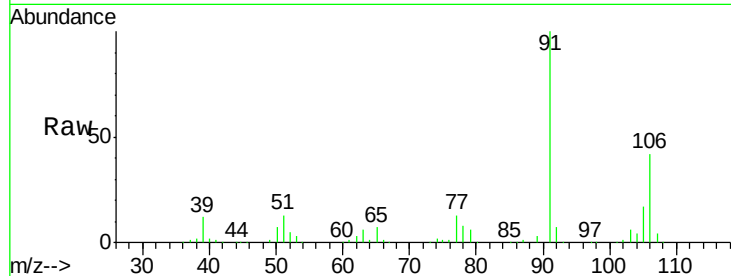




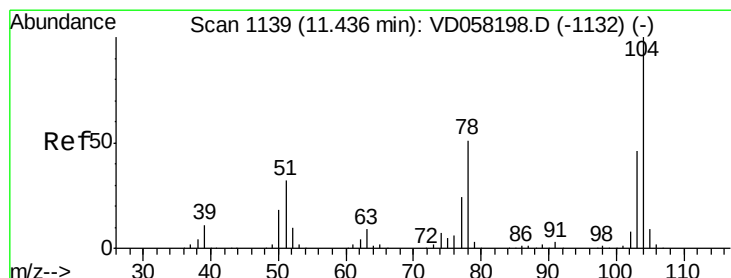
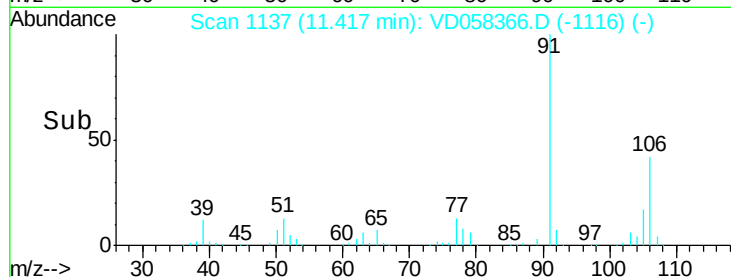
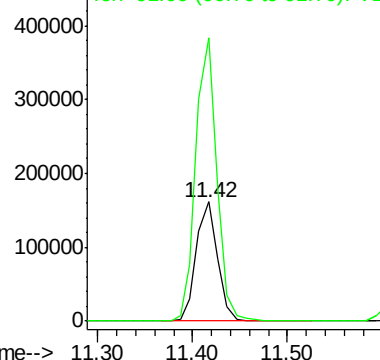
#69
o-Xylene
Concen: 24.28 ug/l
RT: 11.42 min Scan# 1137
Delta R.T. 0.01 min
Lab File: VD058366.D
Acq: 24 Jun 2018 12:36

Instrument :
MSVOA_D
ClientSampleId :
VD0624SBSD01

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

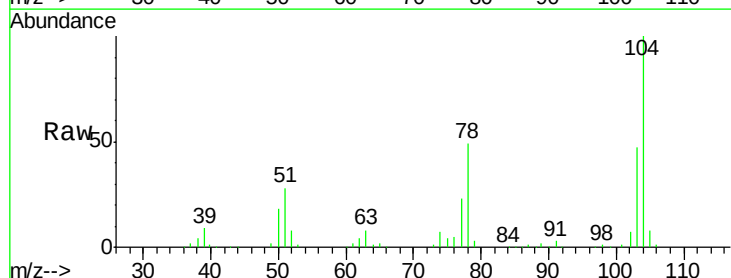


Abundance Ion 106.05 (105.75 to 106.75): V
Ion 91.00 (90.70 to 91.70): VDC

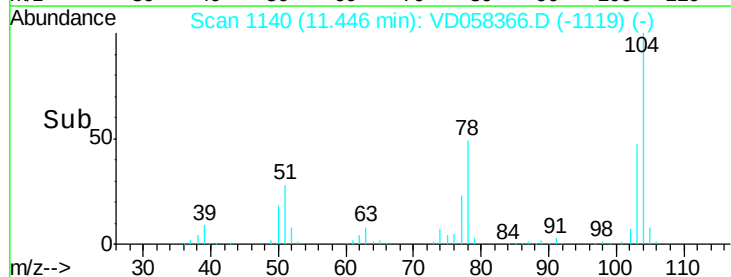
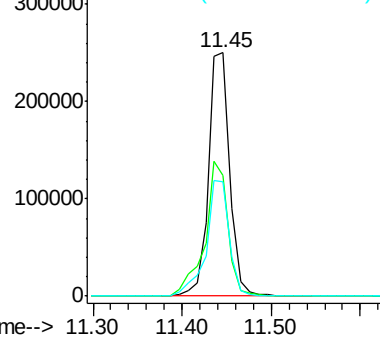


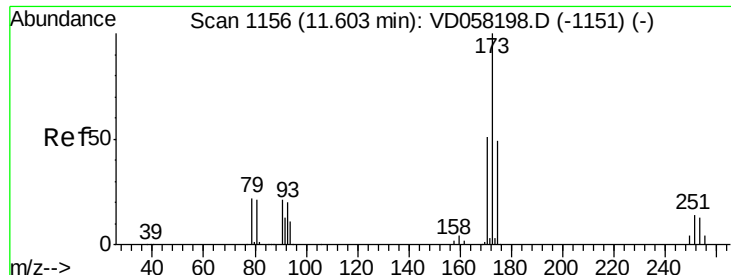
#70
Styrene
Concen: 23.57 ug/l
RT: 11.45 min Scan# 1140
Delta R.T. 0.01 min
Lab File: VD058366.D
Acq: 24 Jun 2018 12:36

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

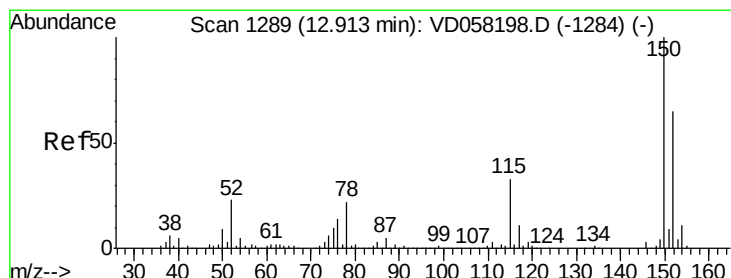
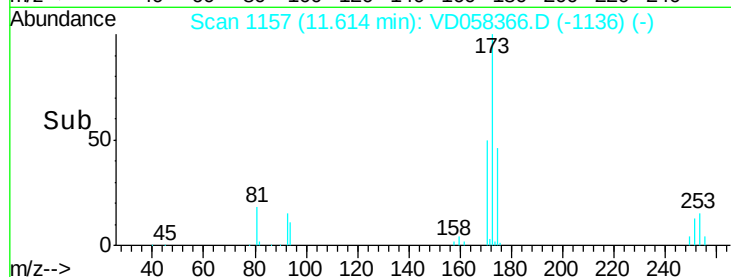
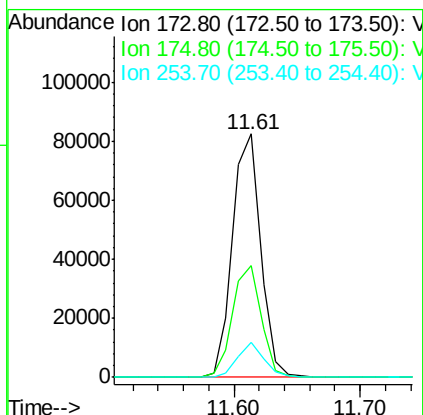
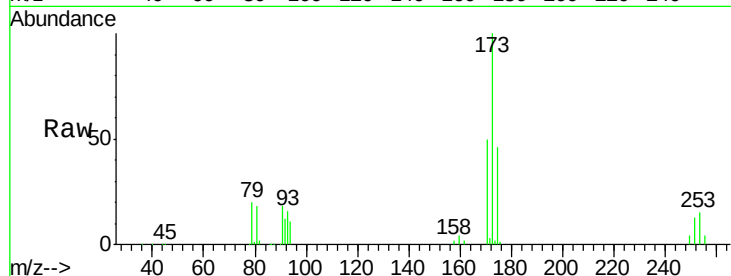




#71
Bromoform
Concen: 22.29 ug/l
RT: 11.61 min Scan# 1157
Delta R.T. 0.01 min
Lab File: VD058366.D
Acq: 24 Jun 2018 12:36

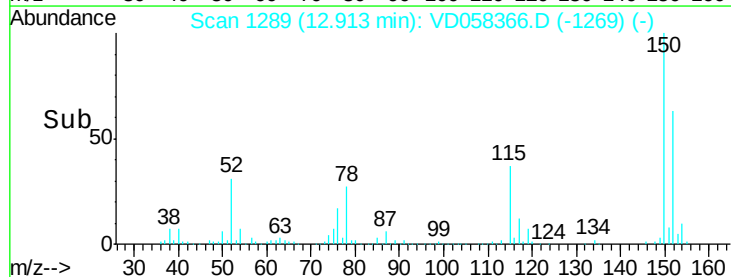
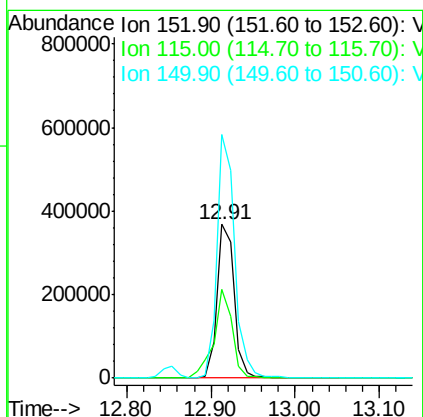
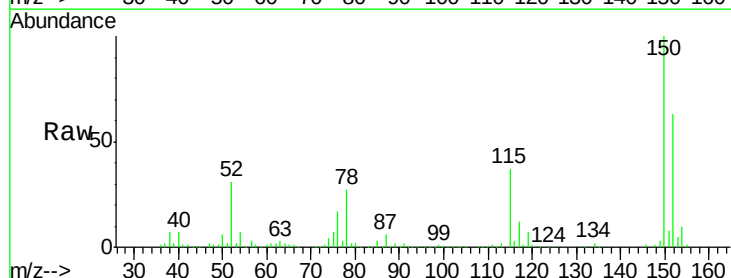
Instrument :
MSVOA_D
ClientSampleId :
VD0624SBSD01

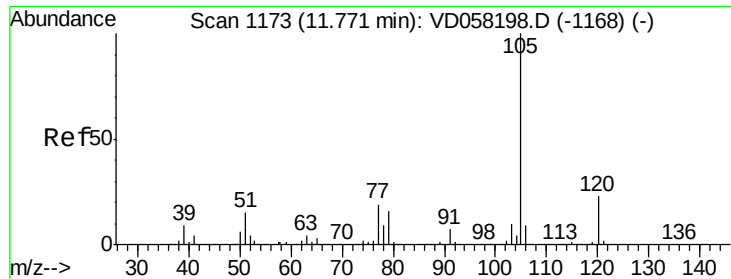
Tot Ion:173 Resp: 126822
Ion Ratio Lower Upper
173 100
175 45.9 24.6 74.0
254 14.6 10.3 15.5



#72
1,4-Dichlorobenzene-d4
Concen: 50.00 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





#73

Isopropylbenzene

Concen: 22.84 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 :

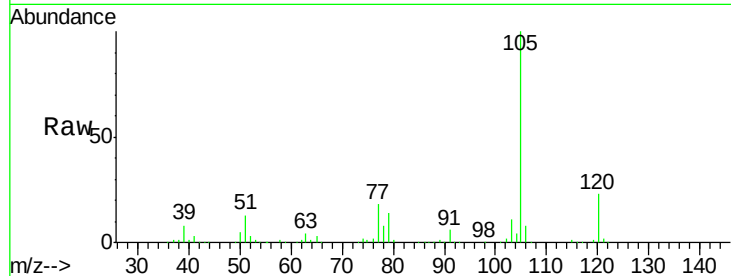
VD0624SBS01

Tot Ion:105 Resp: 712662

Ion Ratio Lower Upper

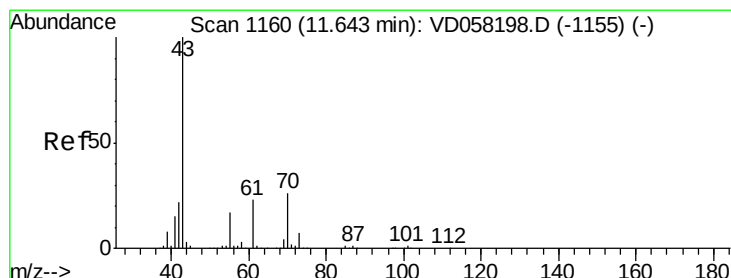
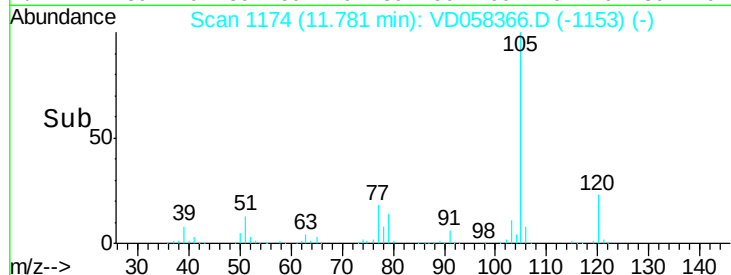
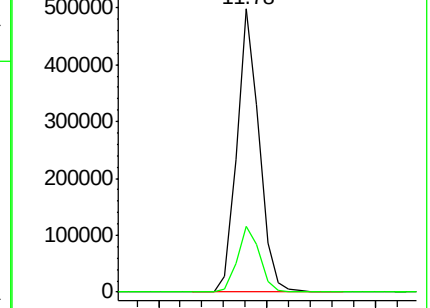
105 100

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



#74

N-ethyl acetate

Concen: 21.06 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

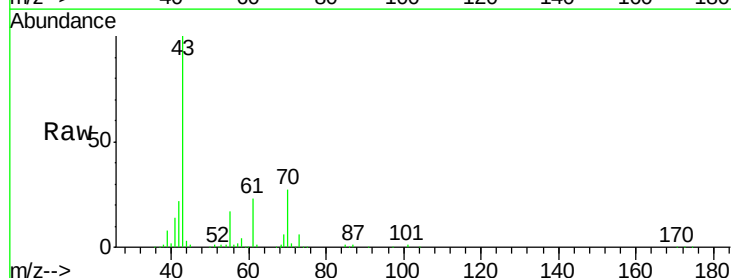
Ion Ratio Lower Upper

43 100

70 27.0 20.9 31.3

55 17.3 13.5 20.3

61 22.8 18.2 27.2

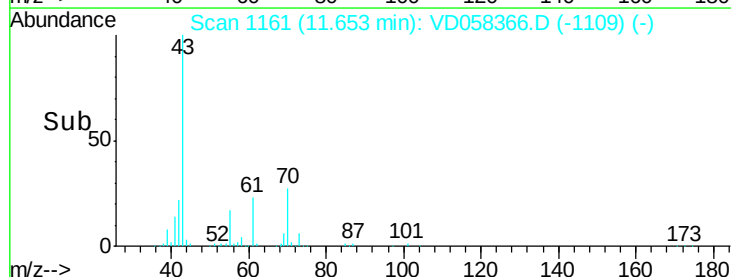
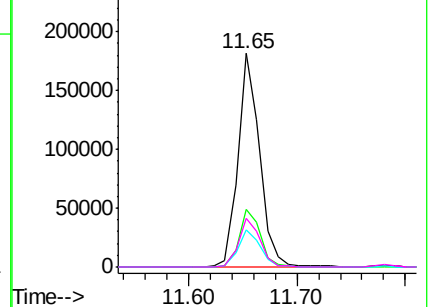


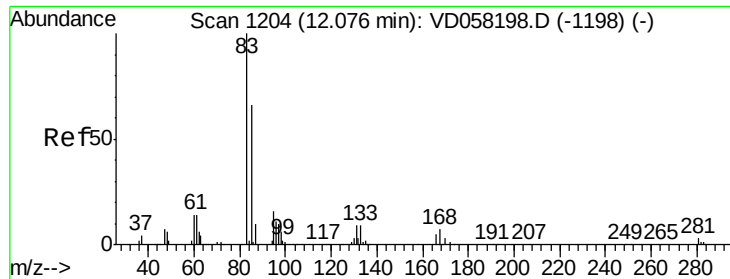
Abundance Ion 42.95 (42.65 to 43.65): V

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





#75

1,1,2,2-Tetrachloroethane

Concen: 21.21 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 :

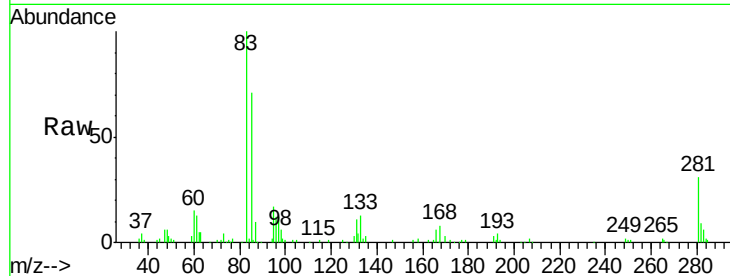
MSVOA_D

ClientSampleId :

VD0624SBSD01

Tot Ion: 83 Resp: 154023

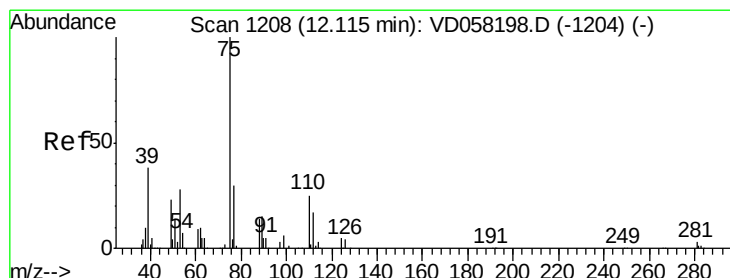
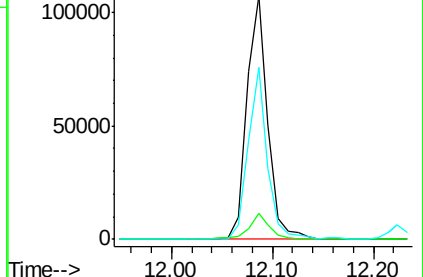
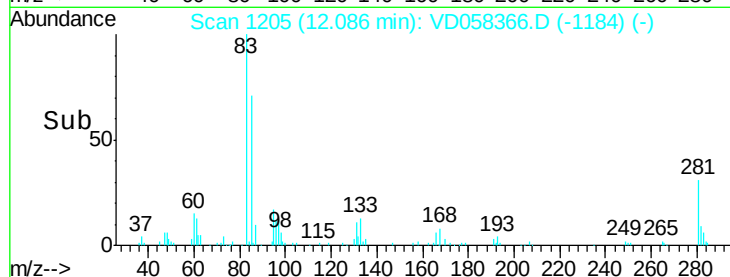
Ion	Ratio	Lower	Upper
83	100		
131	10.8	4.8	14.3
85	70.8	33.1	99.5



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: 21.88 ug/l

RT: 12.12 min Scan# 1208

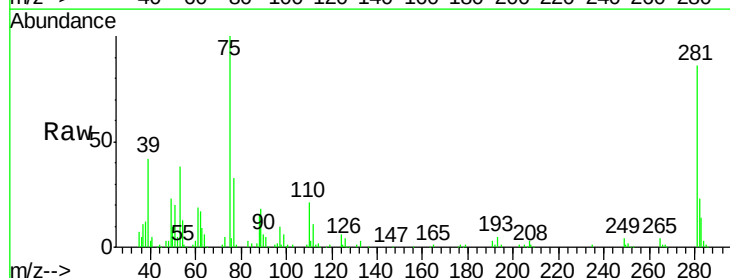
Delta R.T. 0.00 min

Lab File: VD058366.D

Acq: 24 Jun 2018 12:36

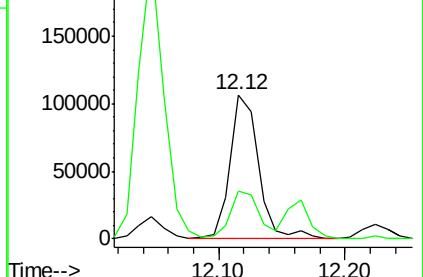
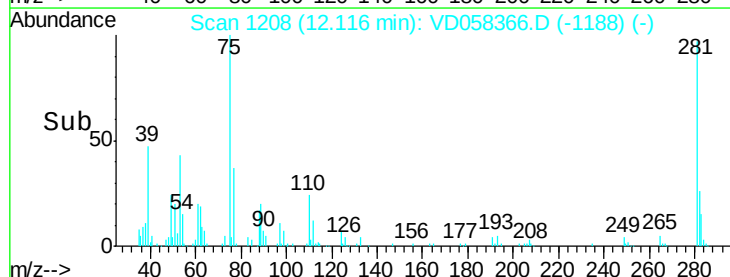
Tgt Ion: 75 Resp: 166606

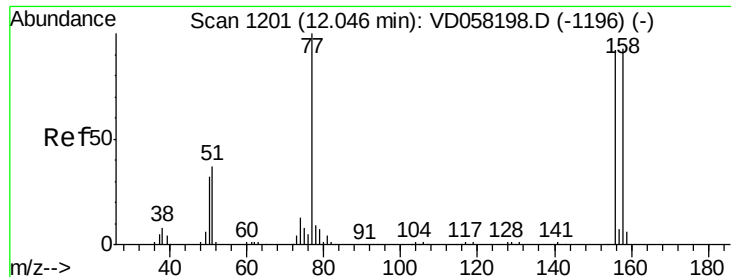
Ion	Ratio	Lower	Upper
75	100		
77	32.9	16.0	47.9



Abundance Ion 75.00 (74.70 to 75.70): VDC

Ion 76.95 (76.65 to 77.65): VDC





#77

Bromobenzene

Concen: 22.68 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 :

VD0624SBSD01

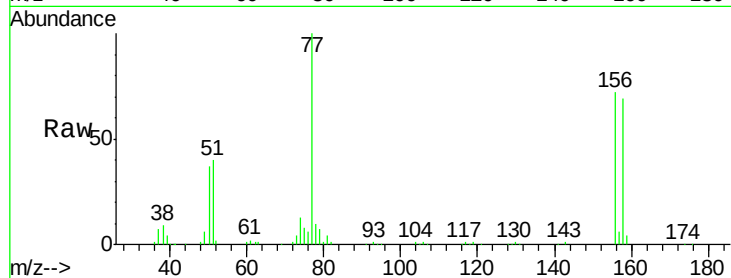
Tot Ion:156 Resp: 211881

Ion Ratio Lower Upper

156 100

77 139.6 54.5 163.6

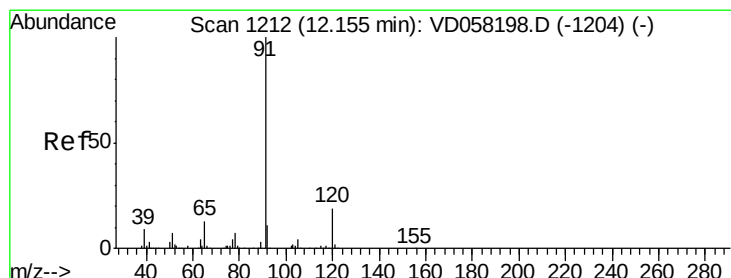
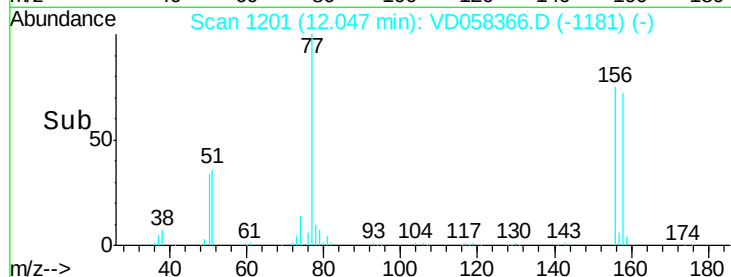
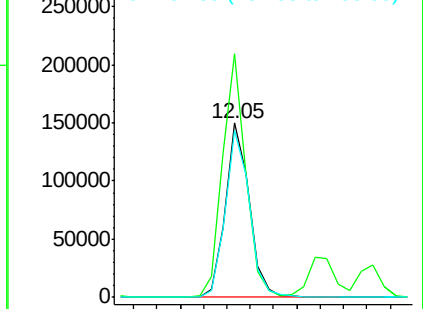
158 95.8 50.8 152.5



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: 23.51 ug/l

RT: 12.16 min Scan# 1213

Delta R.T. 0.01 min

Lab File: VD058366.D

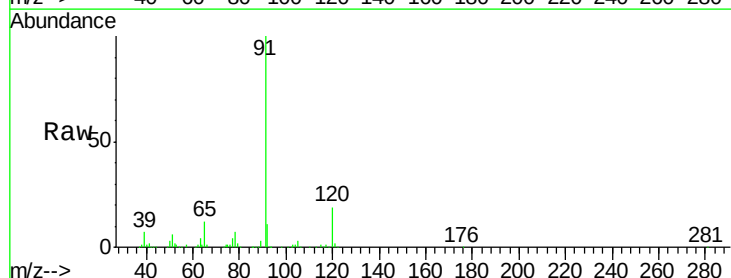
Acq: 24 Jun 2018 12:36

Tgt Ion: 91 Resp: 947262

Ion Ratio Lower Upper

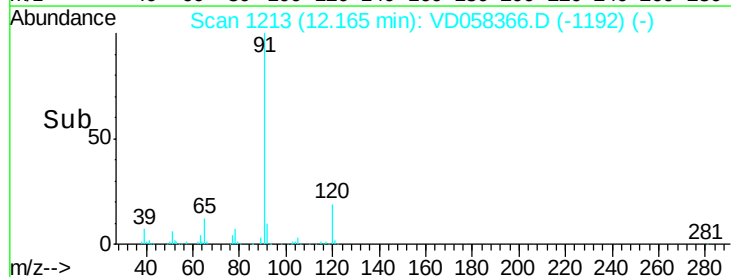
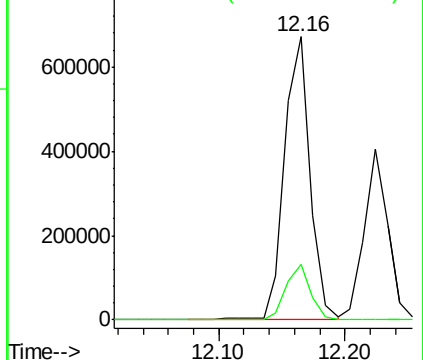
91 100

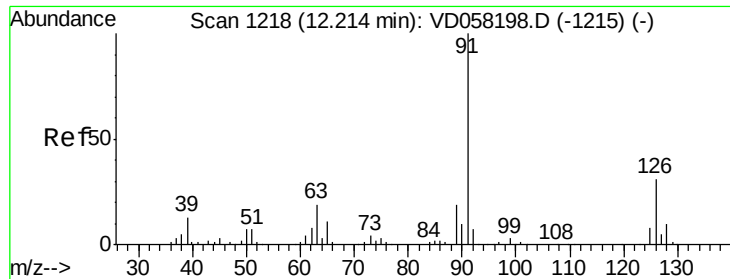
120 19.4 9.7 29.1



Abundance Ion 91.00 (90.70 to 91.70): V

Ion 120.05 (119.75 to 120.75): V

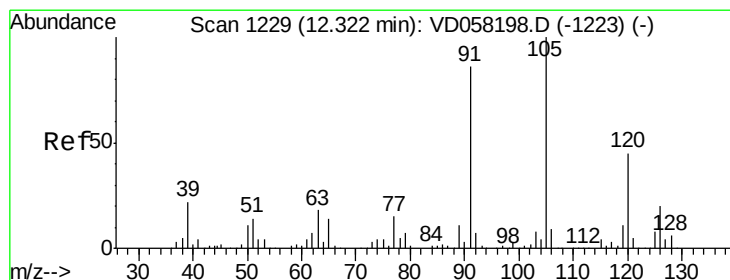
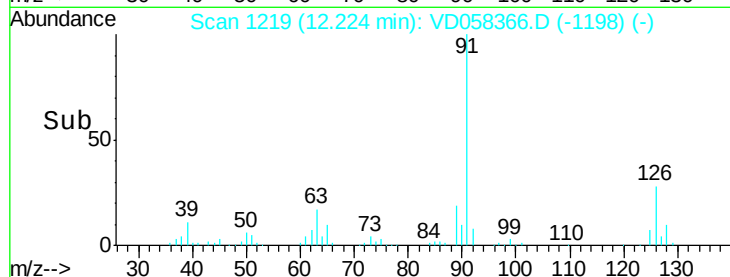
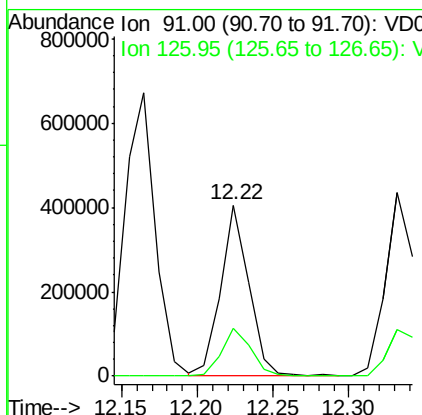
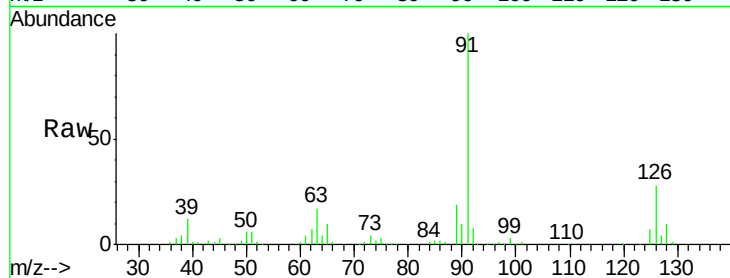




#79
 2-Chlorotoluene
 Concen: 22.60 ug/l
 RT: 12.22 min Scan# 1219
 Delta R.T. 0.01 min
 Lab File: VD058366.D
 Acq: 24 Jun 2018 12:36

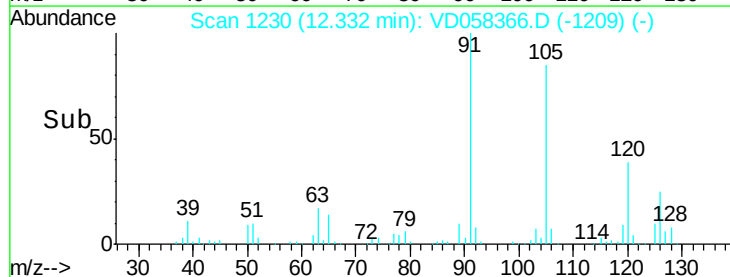
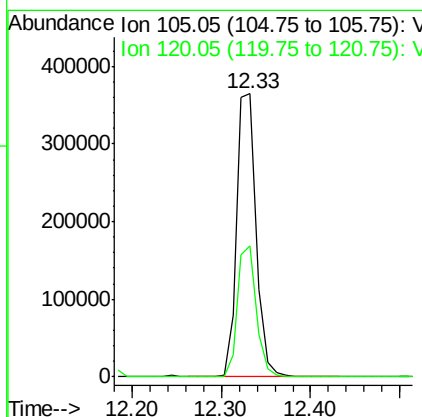
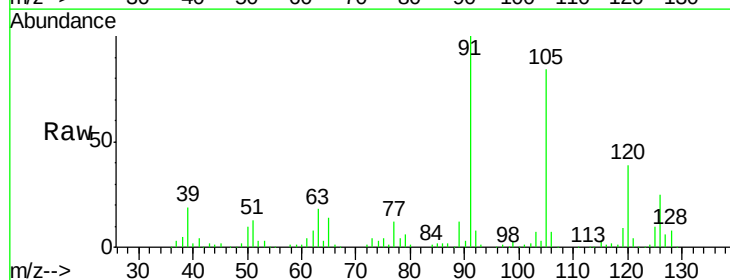
Instrument :
 MSVOA_D
 ClientSampleId :
 VD0624SBSD01

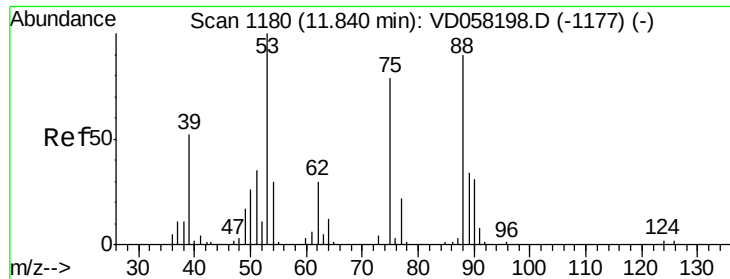
Tot Ion: 91 Resp: 521039
 Ion Ratio Lower Upper
 91 100
 126 28.3 14.9 44.5



#80
 1,3,5-Trimethylbenzene
 Concen: 23.07 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: 19.18 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

ClientSampleId :

VD0624SBS01

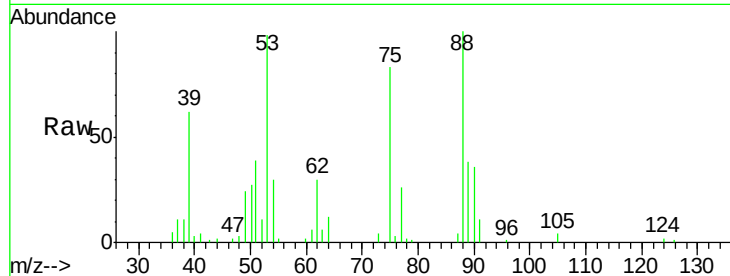
Tot Ion: 75 Resp: 35619

Ion	Ratio	Lower	Upper
75	100		
53	118.7	100.8	151.2
89	45.9	34.6	52.0

75 100

53 118.7 100.8 151.2

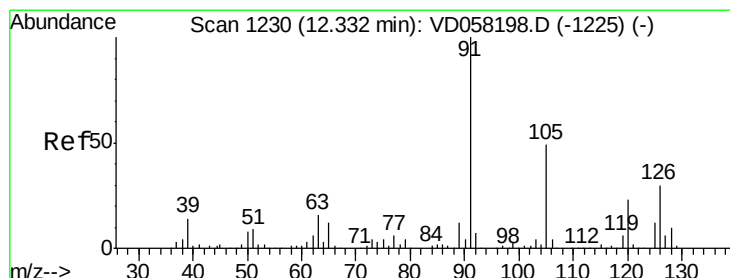
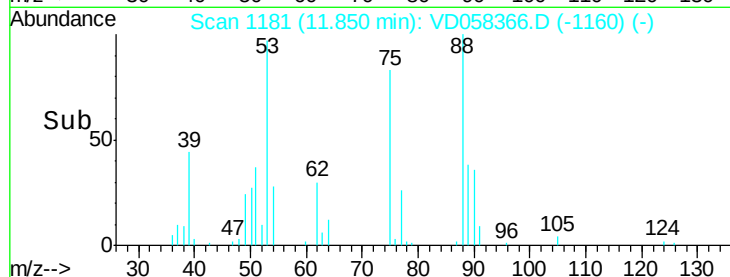
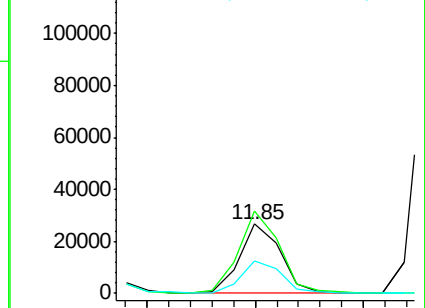
89 45.9 34.6 52.0



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: 23.57 ug/l

RT: 12.33 min Scan# 1230

Delta R.T. 0.00 min

Lab File: VD058366.D

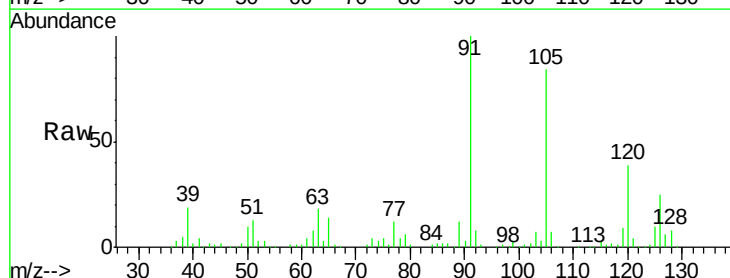
Acq: 24 Jun 2018 12:36

Tgt Ion: 91 Resp: 594123

Ion	Ratio	Lower	Upper
91	100		
126	25.1	14.9	44.9

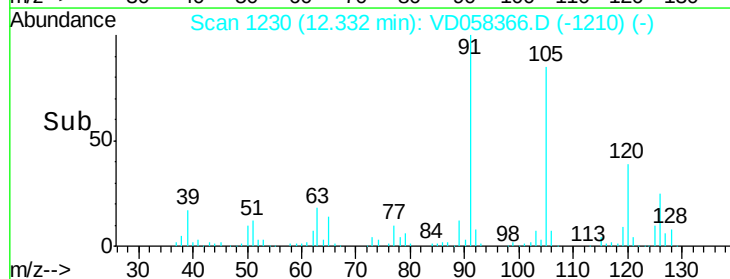
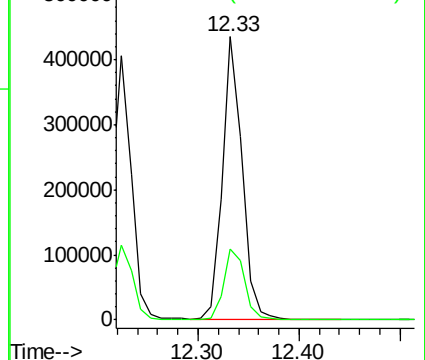
91 100

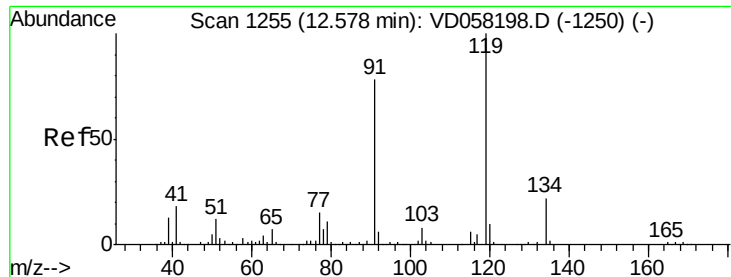
126 25.1 14.9 44.9



Abundance Ion 91.00 (90.70 to 91.70): VDC

Ion 125.95 (125.65 to 126.65): V

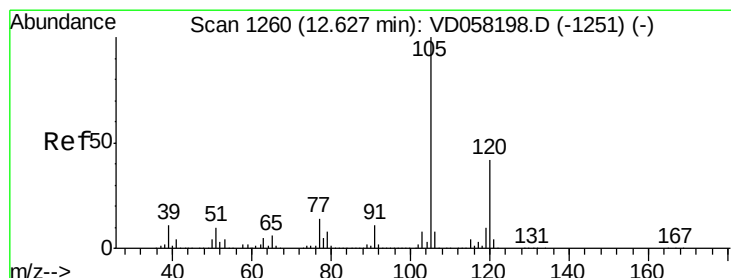
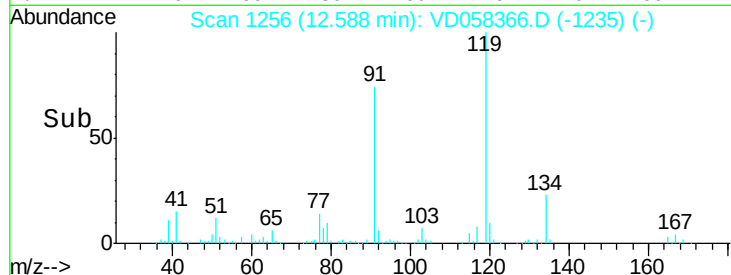
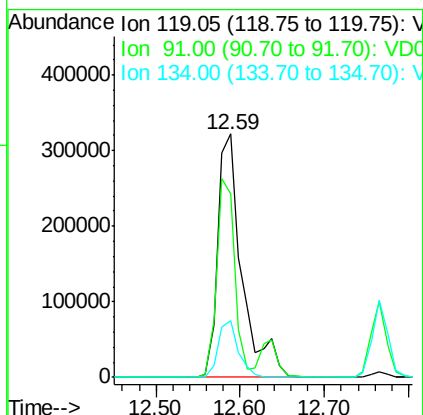
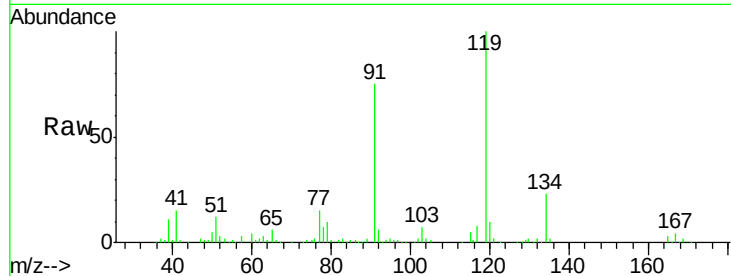




#83
 tert-Butylbenzene
 Concen: 22.92 ug/l
 RT: 12.59 min Scan# 1256
 Delta R.T. 0.01 min
 Lab File: VD058366.D
 Acq: 24 Jun 2018 12:36

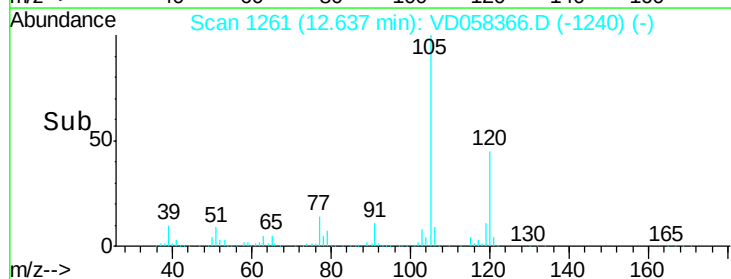
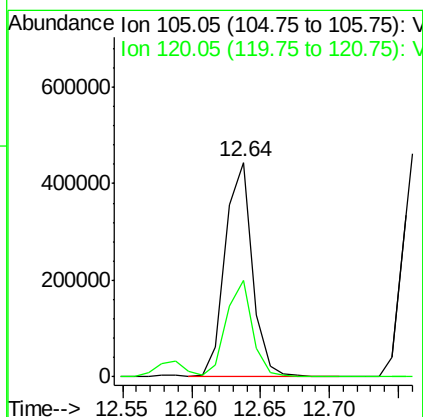
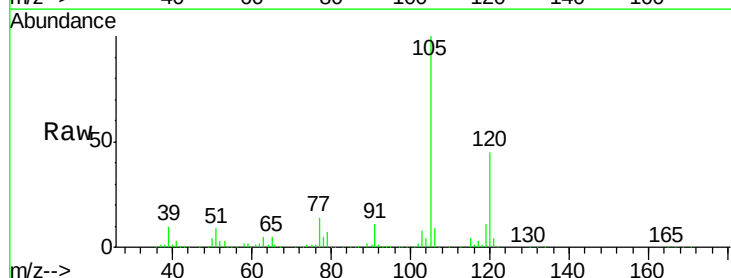
Instrument :
 MSVOA_D
 ClientSampleId :
 VD0624SBS01

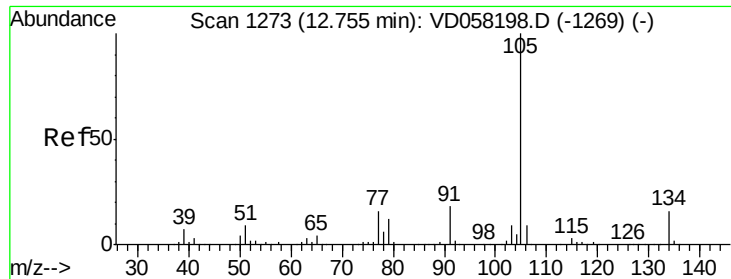
Tot Ion:119 Resp: 641294
 Ion Ratio Lower Upper
 119 100
 91 75.1 38.9 116.6
 134 23.1 11.2 33.5



#84
 1,2,4-Trimethylbenzene
 Concen: 22.84 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

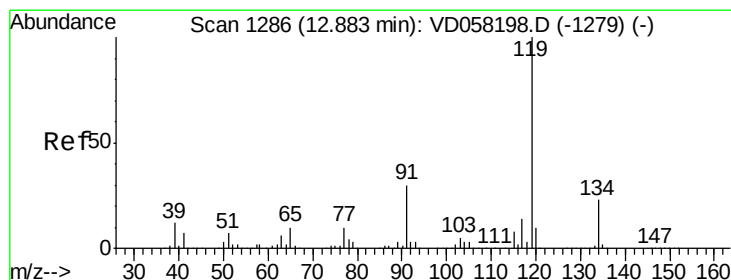
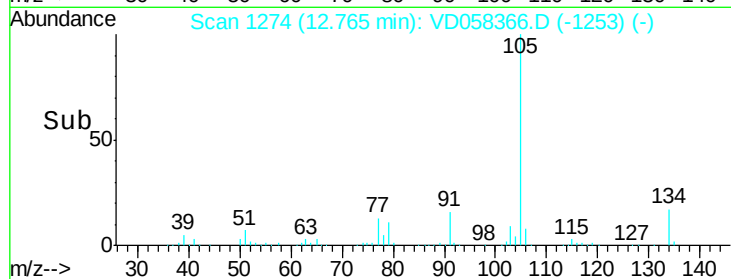
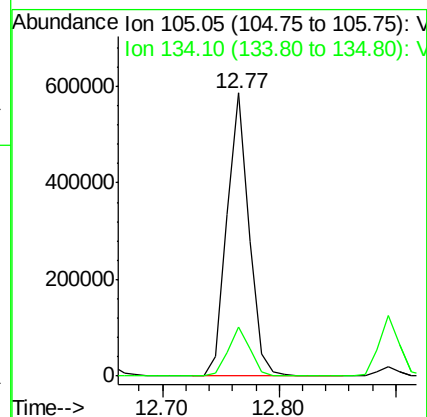
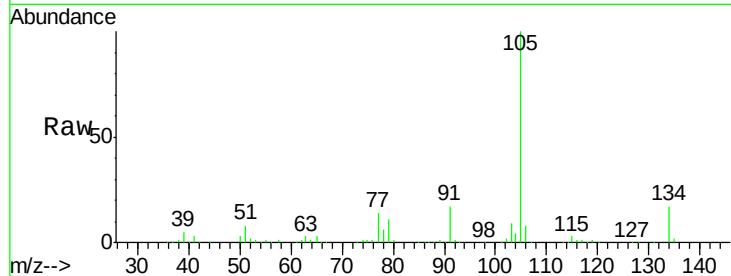




#85
 sec-Butylbenzene
 Concen: 23.48 ug/l
 RT: 12.77 min Scan# 1274
 Delta R.T. 0.01 min
 Lab File: VD058366.D
 Acq: 24 Jun 2018 12:36

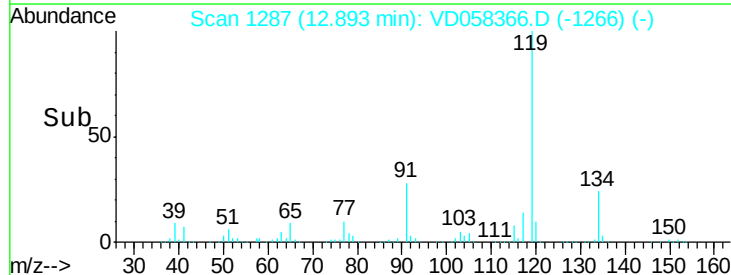
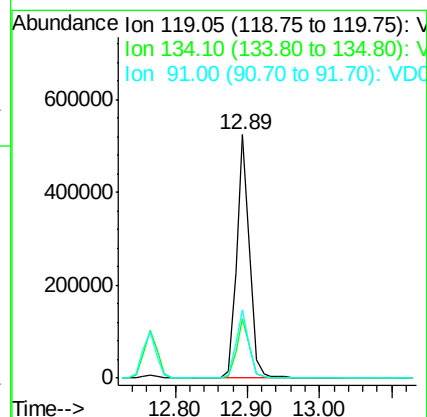
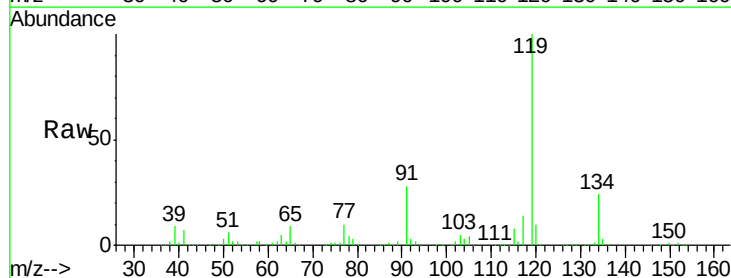
Instrument :
 MSVOA_D
 ClientSampleId :
 VD0624SBS01

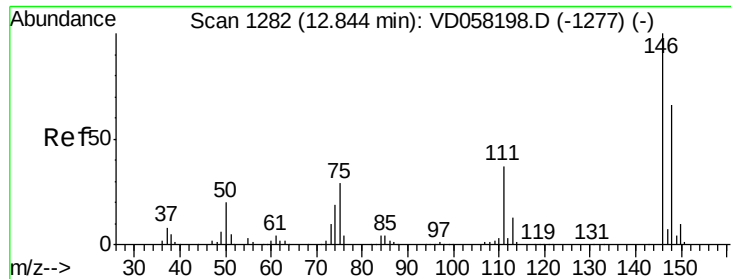
Tot Ion:105 Resp: 769795
 Ion Ratio Lower Upper
 105 100
 134 17.5 8.1 24.3



#86
 p-Isopropyltoluene
 Concen: 24.22 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

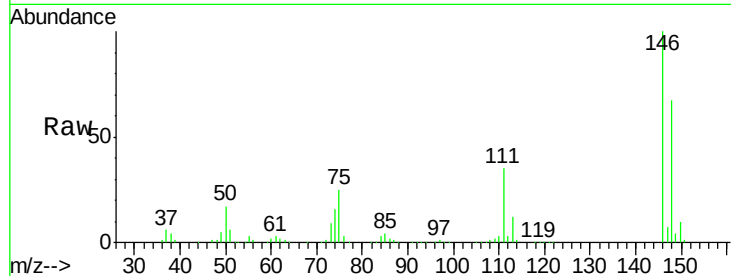




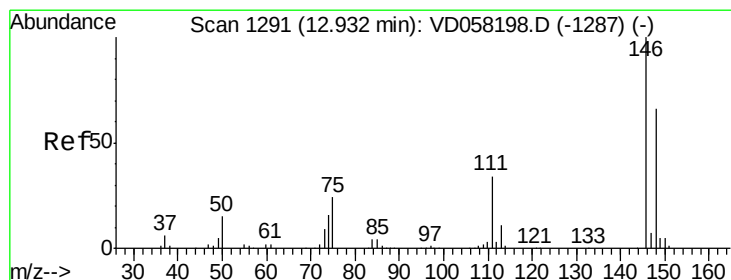
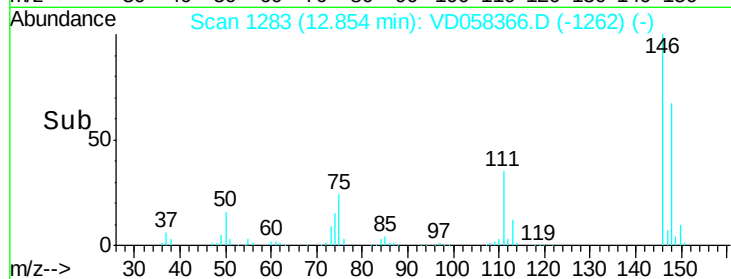
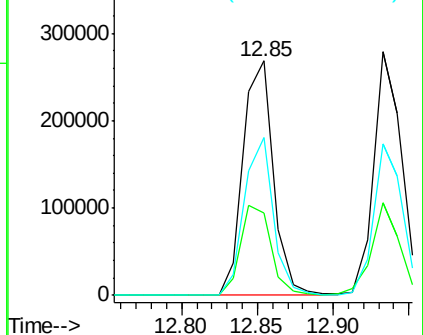
#87
 1,3-Dichlorobenzene
 Concen: 23.18 ug/l
 RT: 12.85 min Scan# 1283
 Delta R.T. 0.01 min
 Lab File: VD058366.D
 Acq: 24 Jun 2018 12:36

Instrument :
 MSVOA_D
 ClientSampleId :
 VD0624SBSD01

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

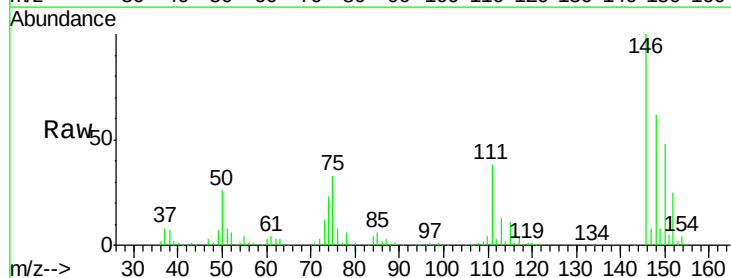


Abundance Ion 145.95 (145.65 to 146.65): V
 Ion 110.90 (110.60 to 111.60): V
 Ion 147.90 (147.60 to 148.60): V

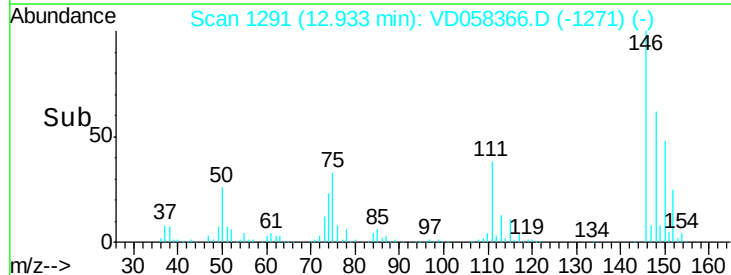
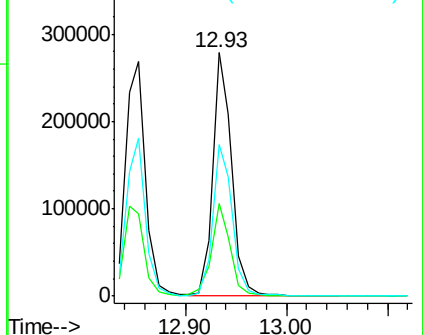


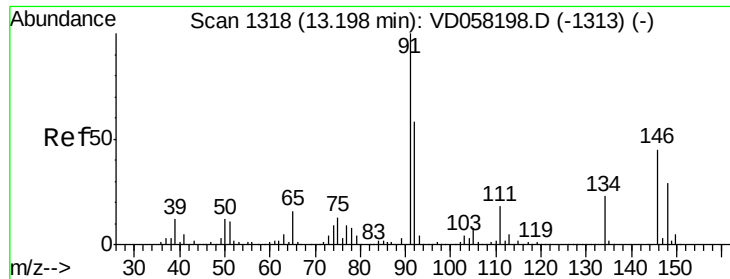
#88
 1,4-Dichlorobenzene
 Concen: 23.02 ug/l
 RT: 12.93 min Scan# 1291
 Delta R.T. 0.00 min
 Lab File: VD058366.D
 Acq: 24 Jun 2018 12:36

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: 24.01 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 :

VD0624SBSD01

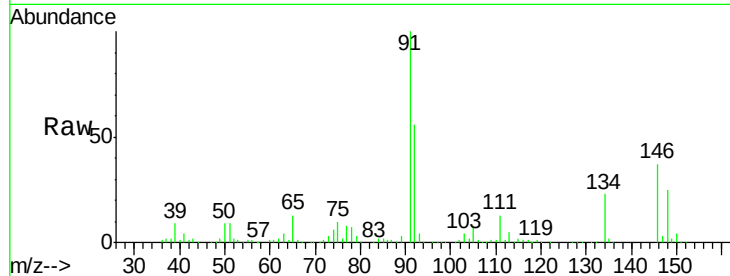
Tot Ion: 91 Resp: 670545

Ion Ratio Lower Upper

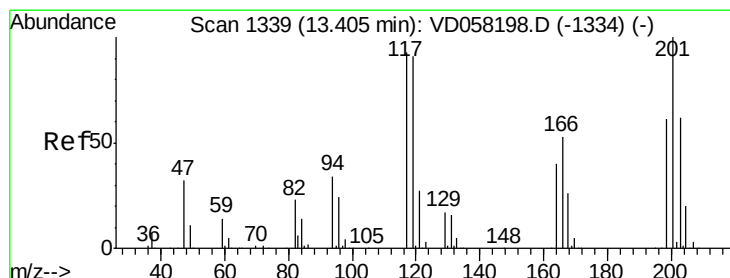
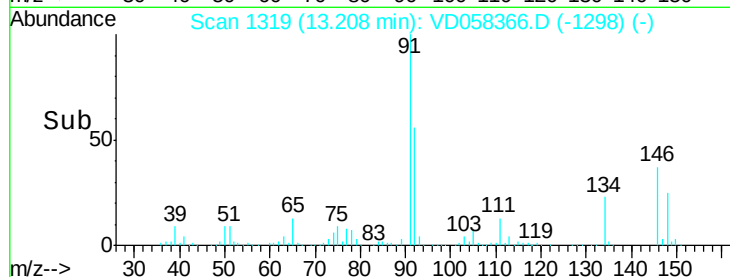
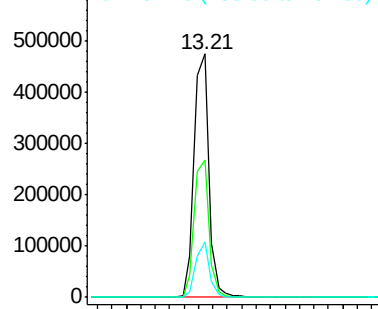
91 100

92 56.4 29.2 87.6

134 22.9 11.3 33.8



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



#90

Hexachloroethane

Concen: 22.72 ug/l

RT: 13.41 min Scan# 1339

Delta R.T. 0.00 min

Lab File: VD058366.D

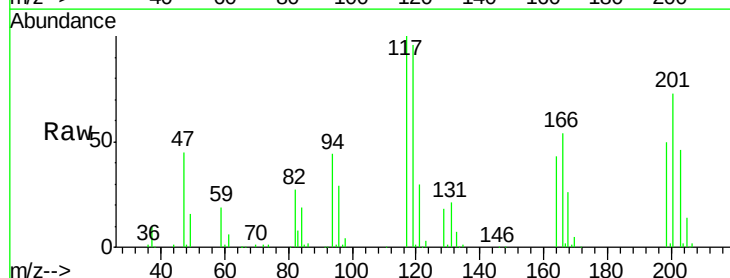
Acq: 24 Jun 2018 12:36

Tgt Ion: 117 Resp: 156677

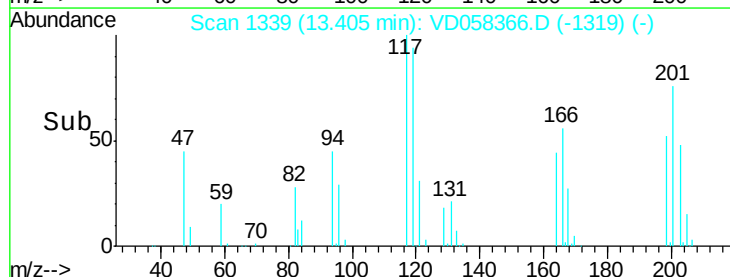
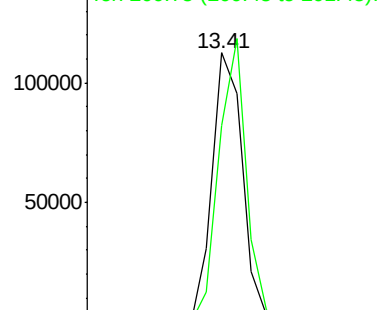
Ion Ratio Lower Upper

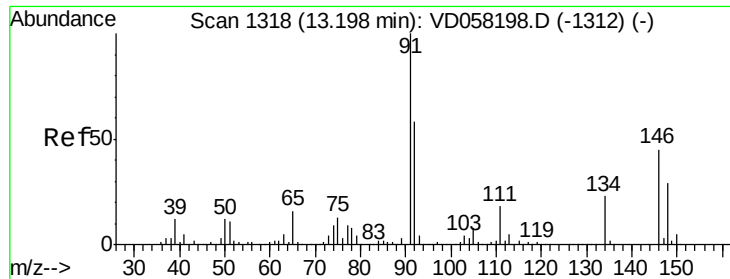
117 100

201 73.1 53.8 161.4



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

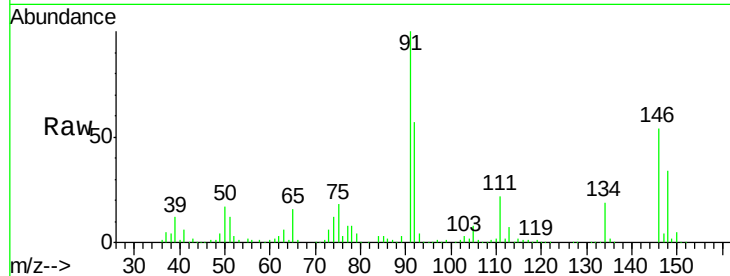




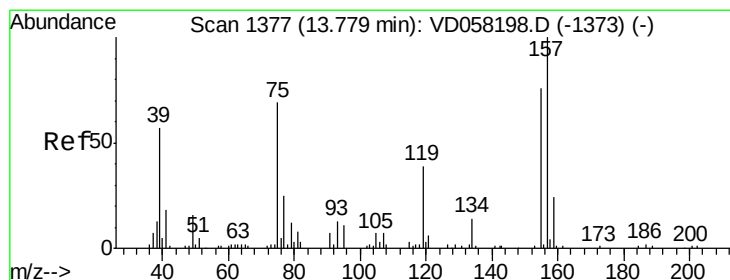
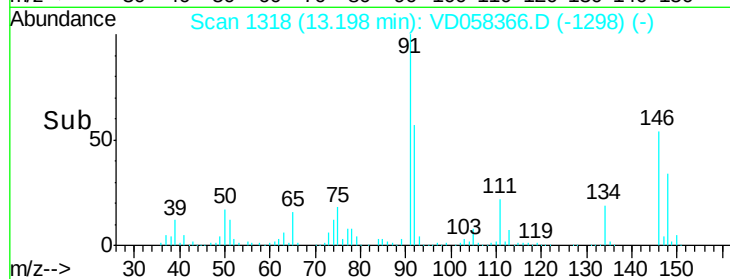
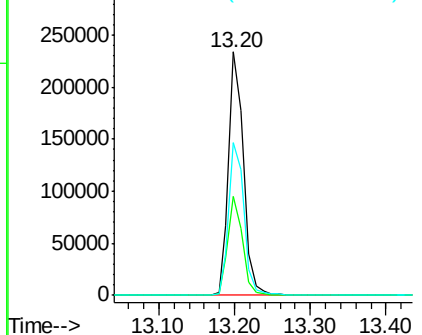
#91
 1,2-Dichlorobenzene
 Concen: 23.07 ug/l
 RT: 13.20 min Scan# 1318
 Delta R.T. 0.00 min
 Lab File: VD058366.D
 Acq: 24 Jun 2018 12:36

Instrument :
 MSVOA_D
 ClientSampleId :
 VD0624SBSD01

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

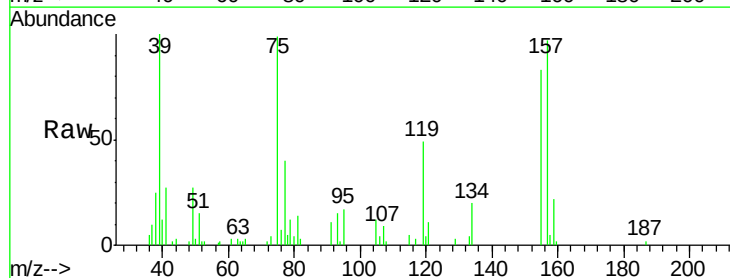


Abundance Ion 145.95 (145.65 to 146.65): V
 Ion 110.90 (110.60 to 111.60): V
 Ion 147.90 (147.60 to 148.60): V

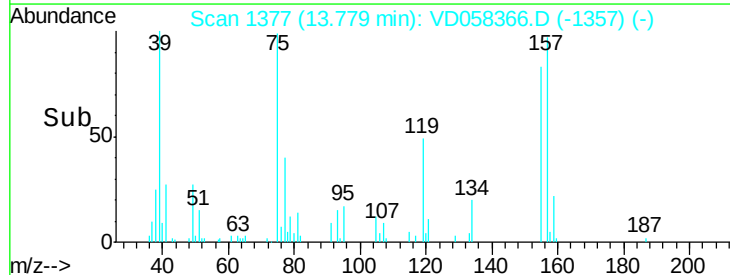
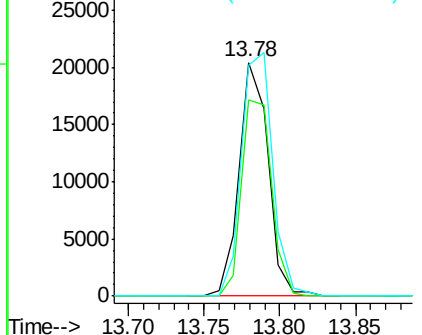


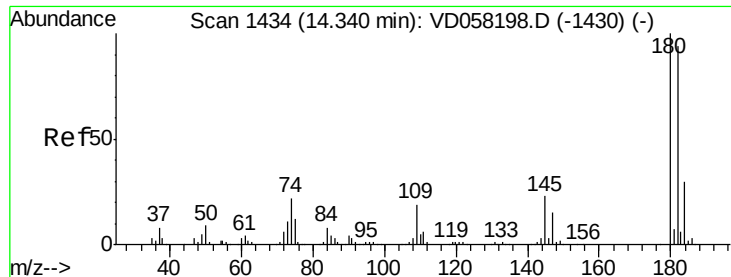
#92
 1,2-Dibromo-3-Chloropropane
 Concen: 23.60 ug/l
 RT: 13.78 min Scan# 1377
 Delta R.T. 0.00 min
 Lab File: VD058366.D
 Acq: 24 Jun 2018 12:36

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

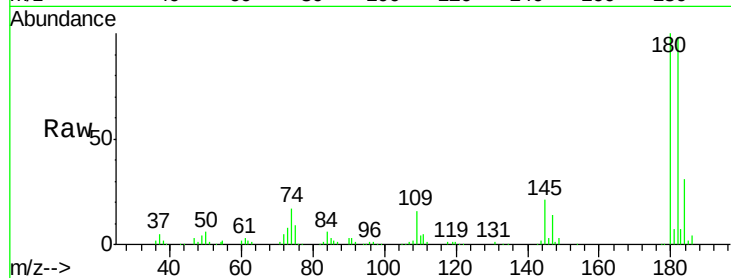




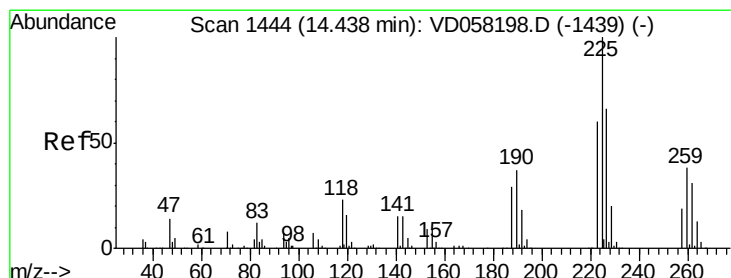
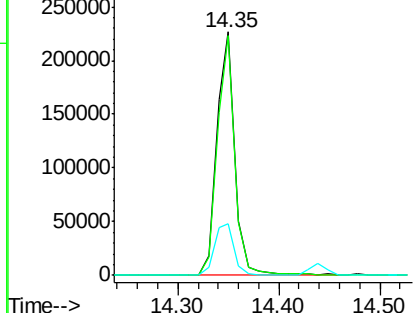
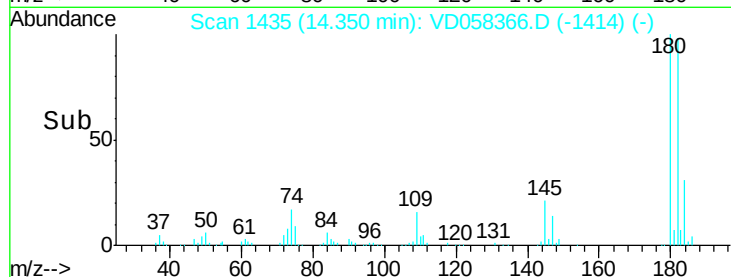
#93
 1,2,4-Trichlorobenzene
 Concen: 21.47 ug/l
 RT: 14.35 min Scan# 1435
 Delta R.T. 0.01 min
 Lab File: VD058366.D
 Acq: 24 Jun 2018 12:36

Instrument :
 MSVOA_D
 ClientSampleId :
 VD0624SBSD01

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

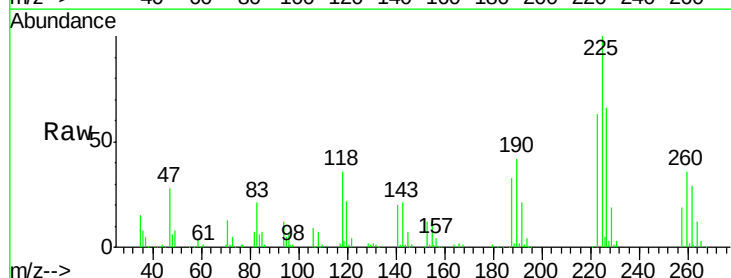


Abundance Ion 179.85 (179.55 to 180.55): V
 Ion 181.85 (181.55 to 182.55): V
 Ion 144.95 (144.65 to 145.65): V

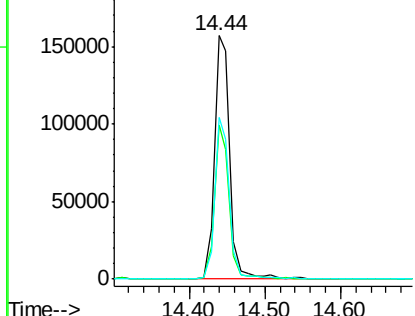
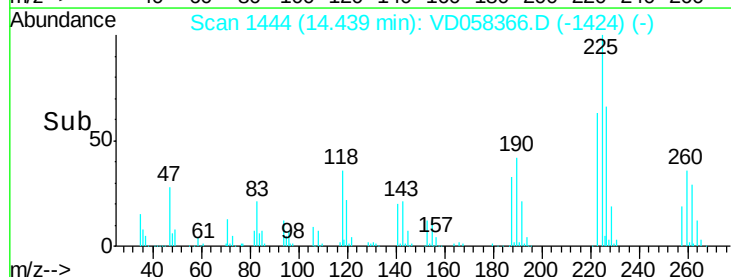


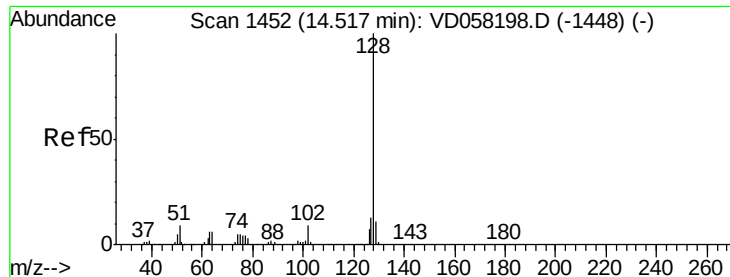
#94
 Hexachlorobutadiene
 Concen: 21.95 ug/l
 RT: 14.44 min Scan# 1444
 Delta R.T. 0.00 min
 Lab File: VD058366.D
 Acq: 24 Jun 2018 12:36

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: 20.75 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 :

VD0624SBSD01

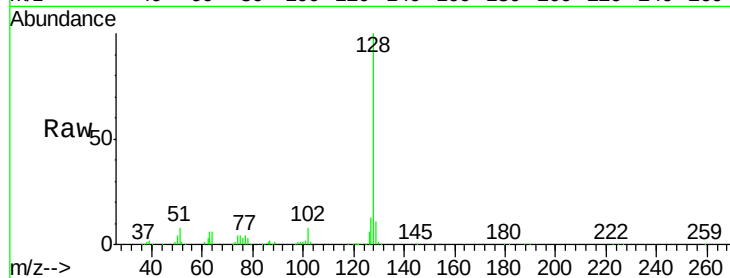
Tot Ion:128 Resp: 361287

Ion Ratio Lower Upper

128 100

127 13.0 10.0 15.0

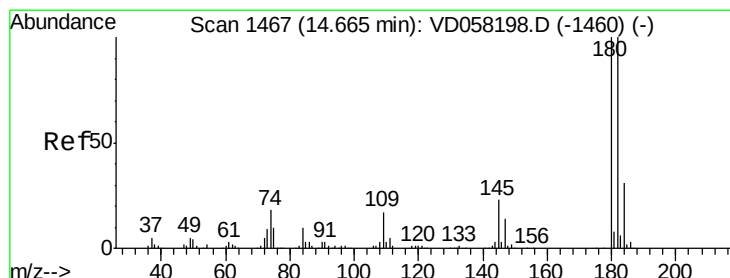
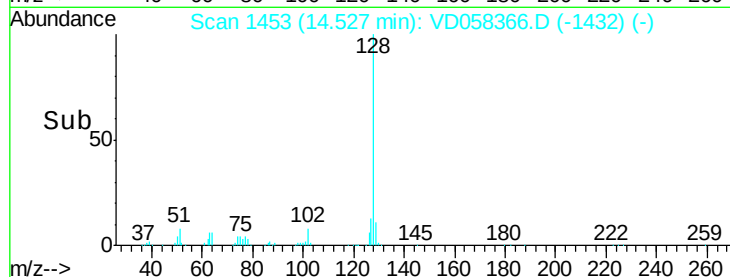
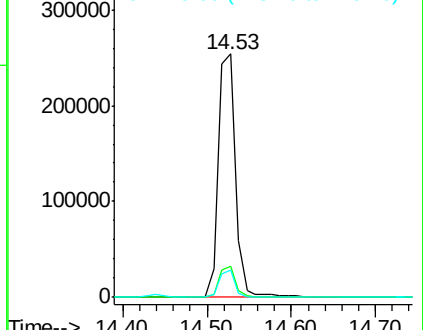
129 11.2 8.7 13.1



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: 21.95 ug/l

RT: 14.67 min Scan# 1467

Delta R.T. 0.00 min

Lab File: VD058366.D

Acq: 24 Jun 2018 12:36

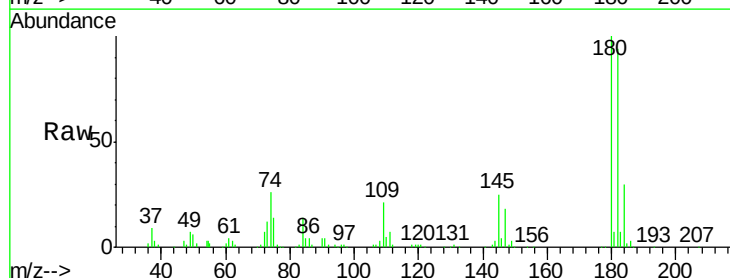
Tgt Ion:180 Resp: 254004

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

