

Data Path : Z:\VOASRV\HPCHEM1\MSVOA D\DATA\VD062018\
 Data File : VD058208.D
 Acq On : 20 Jun 2018 14:23
 Operator : VA/AP
 Sample : VD0620SBS02
 Misc : 5.00g/5ml/MSVOA D/SOIL
 ALS Vial : 6 Sample Multiplier: 1

Instrument :
 MSVOA_D
 ClientSampleId :
 VD0620SBS02

Quant Time: Jun 21 01:44:53 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	5.65	168	965727	50.00	ug/l	0.01
34) 1,4-Difluorobenzene	6.69	114	1229323	50.00	ug/l	0.00
63) Chlorobenzene-d5	10.70	117	1012941	50.00	ug/l	0.01
72) 1,4-Dichlorobenzene-d4	12.91	152	517078	50.00	ug/l	0.00

System Monitoring Compounds

33) 1,2-Dichloroethane-d4	6.02	65	492132	50.45	ug/l	0.01
Spiked Amount	50.000		Recovery	=	100.90%	
35) Dibromofluoromethane	5.55	113	507123	50.68	ug/l	0.00
Spiked Amount	50.000		Recovery	=	101.36%	
50) Toluene-d8	8.71	98	1221582	50.47	ug/l	0.00
Spiked Amount	50.000		Recovery	=	100.94%	
62) 4-Bromofluorobenzene	11.94	95	505243	51.09	ug/l	0.01
Spiked Amount	50.000		Recovery	=	102.18%	

Target Compounds

						Qvalue
2) Dichlorodifluoromethane	1.34	85	245827	25.15	ug/l	96
3) Chloromethane	1.48	50	114570	25.01	ug/l	99
4) Vinyl Chloride	1.55	62	117035	23.13	ug/l	100
5) Bromomethane	1.79	94	38081	19.96	ug/l	100
6) Chloroethane	1.88	64	39608	20.06	ug/l	90
7) Trichlorofluoromethane	2.07	101	150827	21.74	ug/l	95
8) Diethyl Ether	2.34	74	30096	20.51	ug/l	88
9) 1,1,2-Trichlorotrifluoroet	2.55	101	101447	23.01	ug/l	93
10) Methyl Iodide	2.69	142	116344	23.19	ug/l	98
11) Tert butyl alcohol	3.28	59	27904	86.73	ug/l #	93
12) 1,1-Dichloroethene	2.54	96	75146	22.65	ug/l	96
13) Acrolein	2.47	56	24139	131.43	ug/l	95
14) Allyl chloride	2.92	41	171363	22.19	ug/l	98
15) Acrylonitrile	3.36	53	81282	95.28	ug/l	88
16) Acetone	2.61	43	144382	108.23	ug/l #	92
17) Carbon Disulfide	2.75	76	258617	22.91	ug/l	98
18) Methyl Acetate	2.93	43	51892	18.24	ug/l	96
19) Methyl tert-butyl Ether	3.42	73	236315	26.85	ug/l	98
20) Methylene Chloride	3.07	84	83620	21.27	ug/l	87
21) trans-1,2-Dichloroethene	3.38	96	91600	25.26	ug/l	86
22) Diisopropyl ether	4.07	45	644928	21.03	ug/l	99
23) Vinyl Acetate	4.02	43	1793888	109.11	ug/l	100
24) 1,1-Dichloroethane	3.97	63	380397	23.02	ug/l	97
25) 2-Butanone	4.84	43	293954	101.10	ug/l	99
26) 2,2-Dichloropropane	4.80	77	323159	23.36	ug/l	100
27) cis-1,2-Dichloroethene	4.81	96	210779	23.26	ug/l	95
28) Bromochloromethane	5.15	49	159640	21.55	ug/l #	95
29) Tetrahydrofuran	5.20	42	154703	99.96	ug/l	99
30) Chloroform	5.32	83	383022	21.96	ug/l	96
31) Cyclohexane	5.59	56	315108	23.50	ug/l	98
32) 1,1,1-Trichloroethane	5.51	97	324917	22.54	ug/l	98
36) 1,1-Dichloropropene	5.75	75	282470	23.23	ug/l	97
37) Ethyl Acetate	4.93	43	147064	21.22	ug/l	96
38) Carbon Tetrachloride	5.73	117	284683	23.56	ug/l	99

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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	7.28	83	279810	23.62	ug/l	98
40) Benzene	6.01	78	633156	21.86	ug/l	99
41) Methacrylonitrile	5.13	41	70899	21.19	ug/l	97
42) 1,2-Dichloroethane	6.13	62	257330	22.03	ug/l	98
43) Isopropyl Acetate	7.63	43	187307	20.28	ug/l #	96
44) Trichloroethene	6.99	130	195570	22.48	ug/l	95
45) 1,2-Dichloropropane	7.35	63	173077	22.18	ug/l	94
46) Dibromomethane	7.47	93	117340	22.03	ug/l	97
47) Bromodichloromethane	7.75	83	265917	21.89	ug/l	98
48) Methyl methacrylate	7.51	41	116116	20.68	ug/l	89
49) 1,4-Dioxane	7.50	88	19503	384.82	ug/l #	66
51) 4-Methyl-2-Pentanone	8.60	43	610207	101.27	ug/l	98
52) Toluene	8.81	92	378887	22.97	ug/l	99
53) t-1,3-Dichloropropene	9.19	75	234038	22.16	ug/l	99
54) cis-1,3-Dichloropropene	8.37	75	266657	21.54	ug/l	96
55) 1,1,2-Trichloroethane	9.46	97	125942	21.58	ug/l	93
56) Ethyl methacrylate	9.32	69	151629	21.72	ug/l	98
57) 1,3-Dichloropropane	9.66	76	211620	21.53	ug/l	89
58) 2-Chloroethyl Vinyl ether	8.19	63	381241	110.34	ug/l	96
59) 2-Hexanone	9.79	43	468281	107.55	ug/l	95
60) Dibromochloromethane	9.96	129	169082	21.35	ug/l	98
61) 1,2-Dibromoethane	10.10	107	141546	22.16	ug/l	95
64) Tetrachloroethene	9.52	164	181345	21.28	ug/l	99
65) Chlorobenzene	10.73	112	427041	22.54	ug/l	100
66) 1,1,1,2-Tetrachloroethane	10.86	131	153027	20.93	ug/l	100
67) Ethyl Benzene	10.87	91	715611	21.39	ug/l	98
68) m/p-Xylenes	11.01	106	506380	45.39	ug/l	99
69) o-Xylene	11.41	106	243305	22.84	ug/l	96
70) Styrene	11.44	104	416427	22.90	ug/l	99
71) Bromoform	11.60	173	114800	19.68	ug/l	99
73) Isopropylbenzene	11.78	105	697827	22.56	ug/l	99
74) N-amyl acetate	11.65	43	238026	19.90	ug/l	95
75) 1,1,2,2-Tetrachloroethane	12.08	83	146666	20.38	ug/l	98
76) 1,2,3-Trichloropropane	12.12	75	159051	21.07	ug/l	96
77) Bromobenzene	12.05	156	200265	21.62	ug/l	94
78) n-propylbenzene	12.16	91	934016	23.38	ug/l	97
79) 2-Chlorotoluene	12.21	91	529146	23.15	ug/l	96
80) 1,3,5-Trimethylbenzene	12.32	105	571024	23.67	ug/l	100
81) trans-1,4-Dichloro-2-buten	11.85	75	38526	20.92	ug/l #	79
82) 4-Chlorotoluene	12.33	91	593593	23.80	ug/l	98
83) tert-Butylbenzene	12.58	119	619692	22.34	ug/l	98
84) 1,2,4-Trimethylbenzene	12.63	105	592408	22.59	ug/l	99
85) sec-Butylbenzene	12.76	105	742150	22.83	ug/l	99
86) p-Isopropyltoluene	12.88	119	604419	22.94	ug/l	100
87) 1,3-Dichlorobenzene	12.84	146	359501	22.33	ug/l	99
88) 1,4-Dichlorobenzene	12.93	146	352759	22.44	ug/l	100
89) n-Butylbenzene	13.20	91	648715	23.43	ug/l	96
90) Hexachloroethane	13.41	117	157016	22.96	ug/l	91
91) 1,2-Dichlorobenzene	13.20	146	305124	22.27	ug/l	98
92) 1,2-Dibromo-3-Chloropropan	13.78	75	23579	20.58	ug/l	91

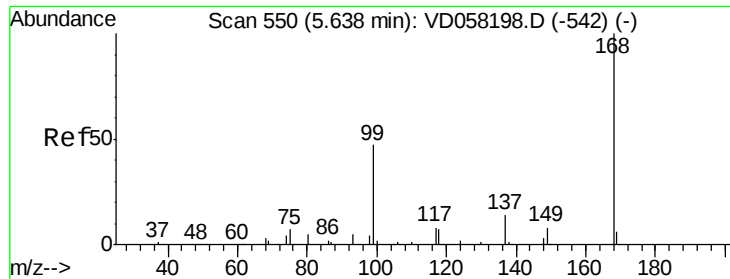
Data Path : Z:\VOASRV\HPCHEM1\MSVOA D\DATA\VD062018\
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Quant Title : SW846 8260
QLast Update : Wed Jun 20 05:52:56 2018
Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
93) 1,2,4-Trichlorobenzene	14.34	180	284628	21.72	ug/l	97
94) Hexachlorobutadiene	14.44	225	229488	22.39	ug/l	97
95) Naphthalene	14.52	128	364542	21.12	ug/l	99
96) 1,2,3-Trichlorobenzene	14.67	180	236603	20.63	ug/l	98

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



#1

Pentafluorobenzene

Concen: 50.00 ug/l

RT: 5.65 min Scan# 551

Delta R.T. 0.01 min

Lab File: VD058208.D

Acq: 20 Jun 2018 14:23

Instrument :

MSVOA_D

ClientSampleId :

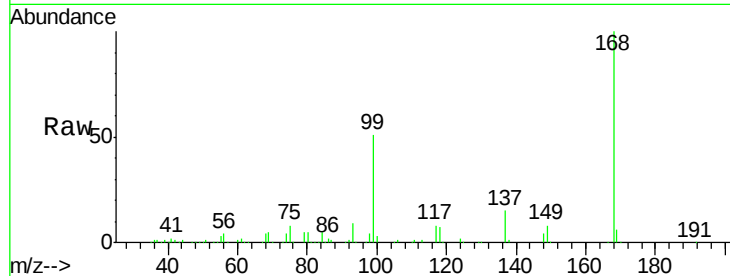
VD0620SBS02

Tot Ion:168 Resp: 965727

Ion Ratio Lower Upper

168 100

99 51.1 41.1 61.7



Abundance Ion 167.90 (167.60 to 168.60): V

Ion 98.95 (98.65 to 99.65): VDC

5.65

300000

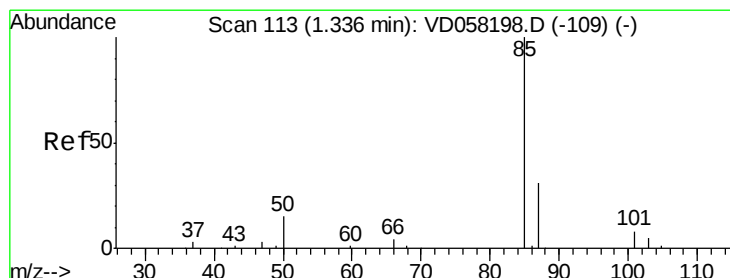
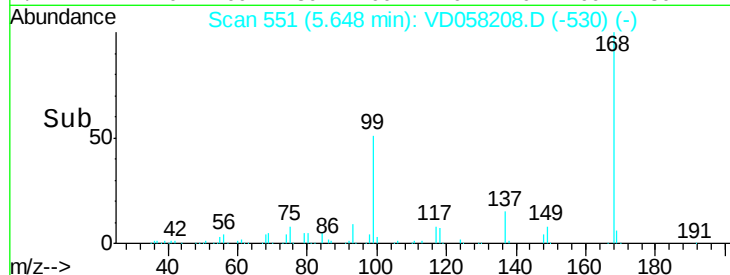
200000

100000

0

Time-->

5.50 5.60 5.70 5.80



#2

Dichlorodifluoromethane

Concen: 25.15 ug/l

RT: 1.34 min Scan# 113

Delta R.T. 0.00 min

Lab File: VD058208.D

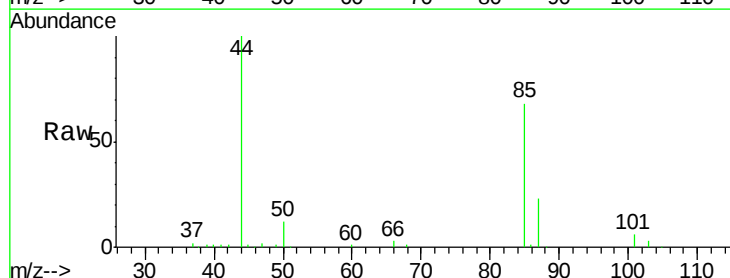
Acq: 20 Jun 2018 14:23

Tgt Ion: 85 Resp: 245827

Ion Ratio Lower Upper

85 100

87 33.3 15.7 47.0



Abundance Ion 84.95 (84.65 to 85.65): VDC

Ion 86.90 (86.60 to 87.60): VDC

1.34

100000

80000

60000

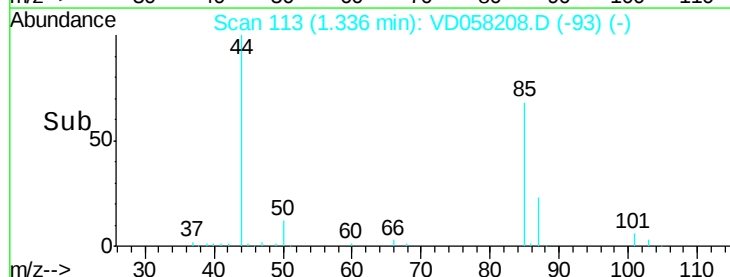
40000

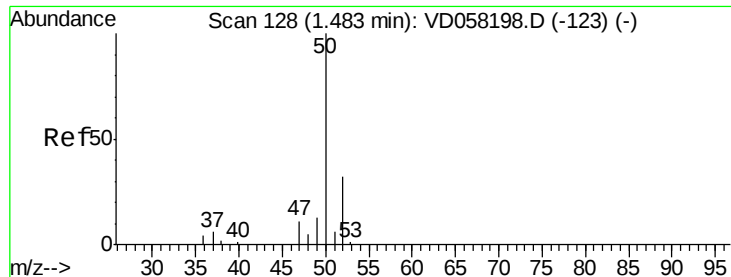
20000

0

Time-->

1.20 1.30 1.40 1.50





#3

Chloromethane

Concen: 25.01 ug/l

RT: 1.48 min Scan# 128

Delta R.T. 0.00 min

Lab File: VD058208.D

Acq: 20 Jun 2018 14:23

Instrument :

MSVOA_D

ClientSampleId :

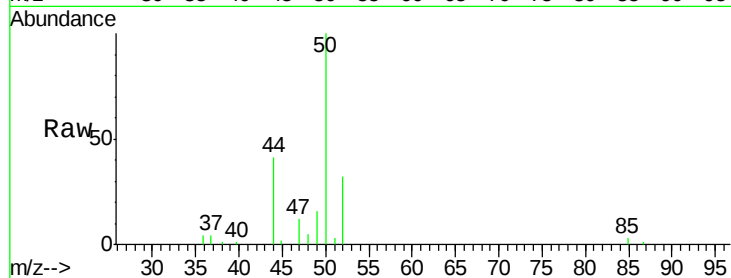
VD0620SBS02

Tot Ion: 50 Resp: 114570

Ion Ratio Lower Upper

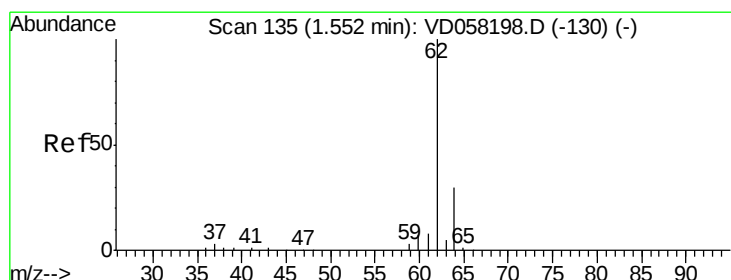
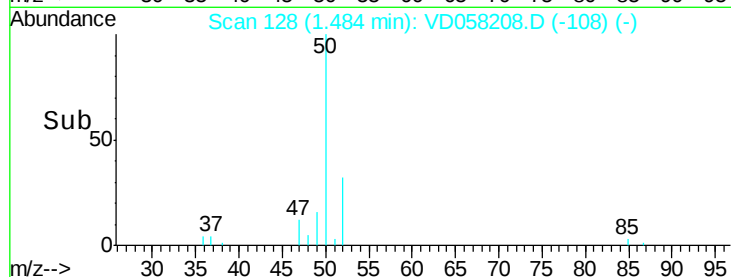
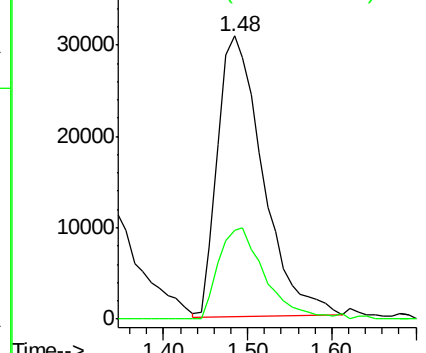
50 100

52 31.5 25.0 37.4



Abundance Ion 49.90 (49.60 to 50.60): VDC

Ion 51.90 (51.60 to 52.60): VDC



#4

Vinyl Chloride

Concen: 23.13 ug/l

RT: 1.55 min Scan# 135

Delta R.T. 0.00 min

Lab File: VD058208.D

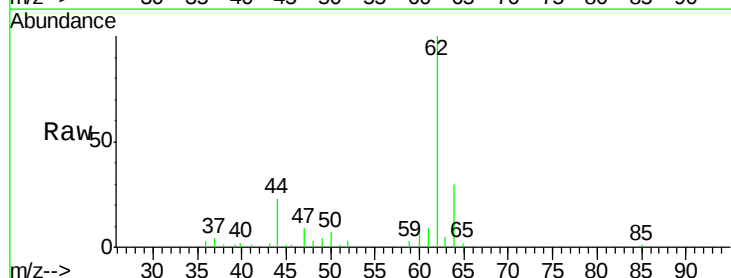
Acq: 20 Jun 2018 14:23

Tgt Ion: 62 Resp: 117035

Ion Ratio Lower Upper

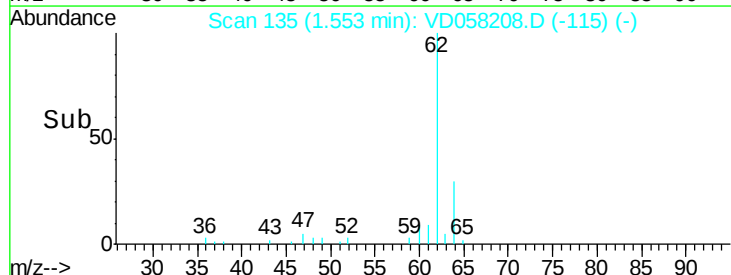
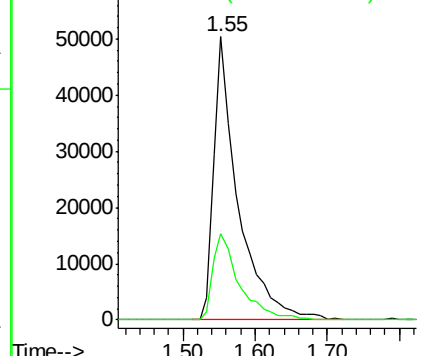
62 100

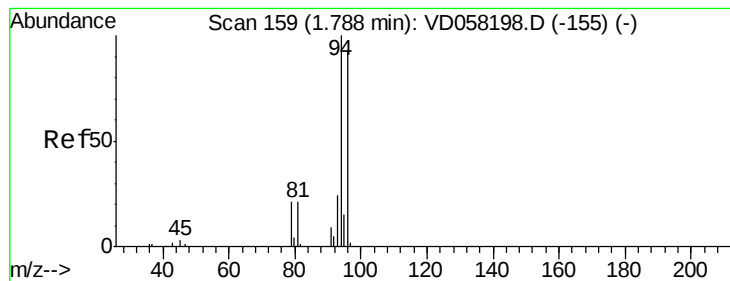
64 30.4 24.4 36.6



Abundance Ion 61.95 (61.65 to 62.65): VDC

Ion 63.95 (63.65 to 64.65): VDC





#5

Bromomethane

Concen: 19.96 ug/l

RT: 1.79 min Scan# 159

Delta R.T. 0.00 min

Lab File: VD058208.D

Acq: 20 Jun 2018 14:23

Instrument :

MSVOA_D

ClientSampleId :

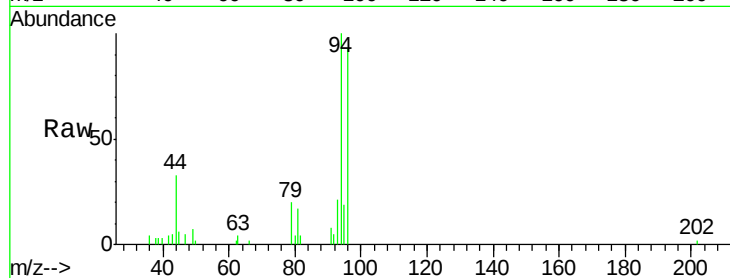
VD0620SBS02

Tot Ion: 94 Resp: 38081

Ion Ratio Lower Upper

94 100

96 93.1 74.2 111.2



Abundance Ion 93.90 (93.60 to 94.60): VDC

Ion 95.90 (95.60 to 96.60): VDC

1.79

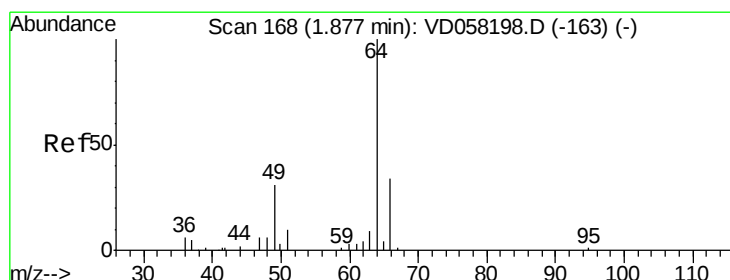
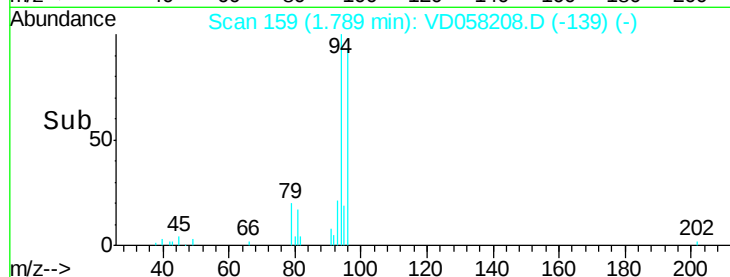
15000

10000

5000

0

Time-->



#6

Chloroethane

Concen: 20.06 ug/l

RT: 1.88 min Scan# 168

Delta R.T. 0.00 min

Lab File: VD058208.D

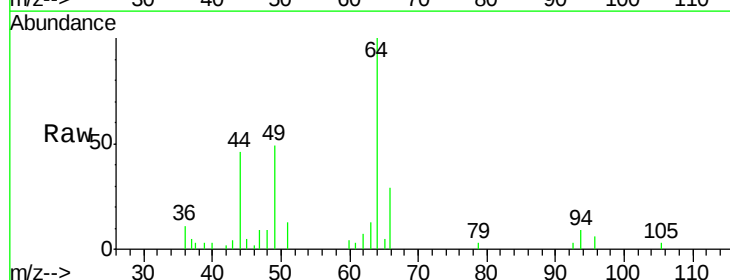
Acq: 20 Jun 2018 14:23

Tgt Ion: 64 Resp: 39608

Ion Ratio Lower Upper

64 100

66 28.6 27.3 40.9



Abundance Ion 63.95 (63.65 to 64.65): VDC

Ion 65.90 (65.60 to 66.60): VDC

1.88

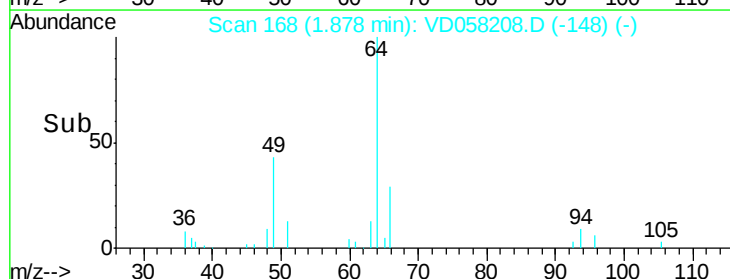
15000

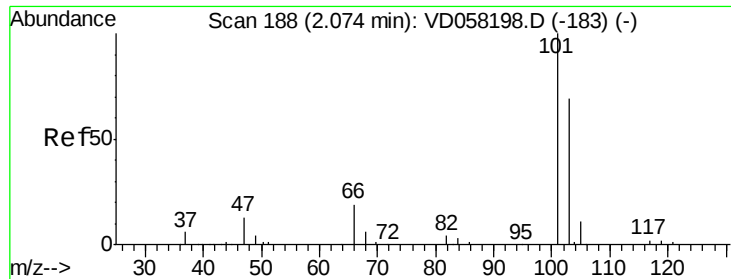
10000

5000

0

Time-->





#7

Trichlorofluoromethane

Concen: 21.74 ug/l

RT: 2.07 min Scan# 188

Delta R.T. 0.00 min

Lab File: VD058208.D

Acq: 20 Jun 2018 14:23

Instrument :

MSVOA_D

ClientSampleId :

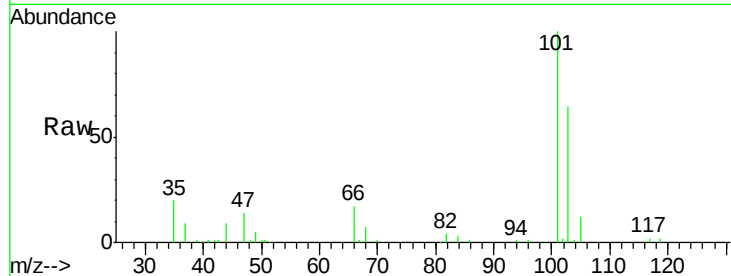
VD0620SBS02

Tot Ion:101 Resp: 150827

Ion Ratio Lower Upper

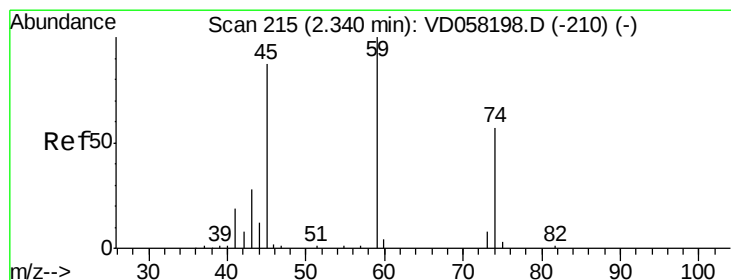
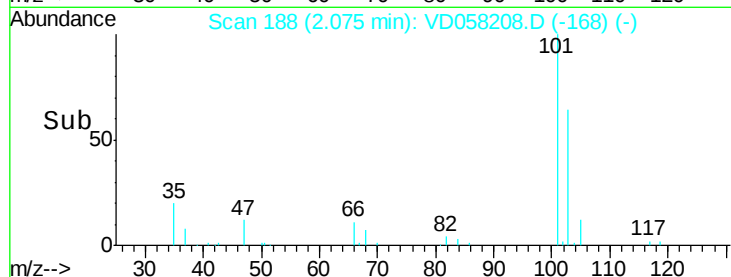
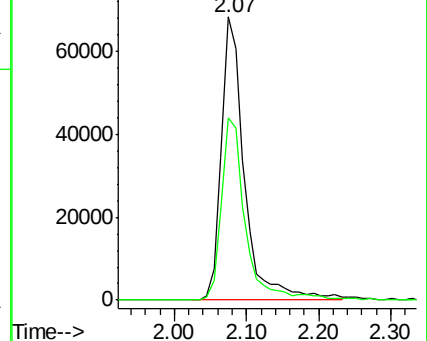
101 100

103 64.4 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: 20.51 ug/l

RT: 2.34 min Scan# 215

Delta R.T. 0.00 min

Lab File: VD058208.D

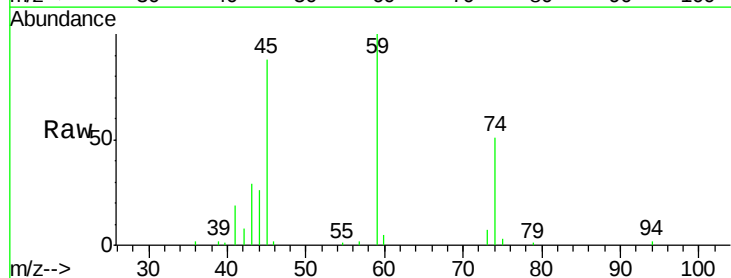
Acq: 20 Jun 2018 14:23

Tgt Ion: 74 Resp: 30096

Ion Ratio Lower Upper

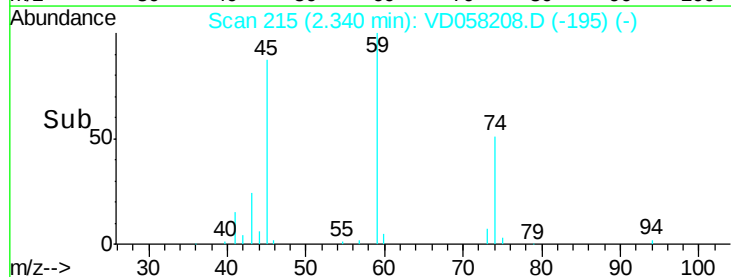
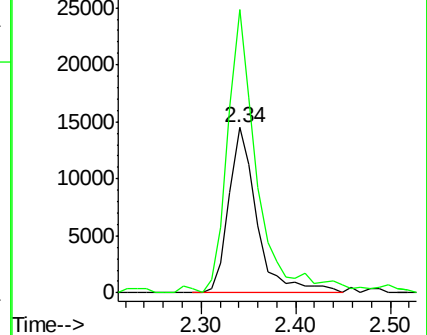
74 100

45 171.0 77.5 232.6



Abundance Ion 74.00 (73.70 to 74.70): VDC

Ion 45.05 (44.75 to 45.75): VDC





#9

1,1,2-Trichlorotrifluoroethane

Concen: 23.01 ug/l

RT: 2.55 min Scan# 236

Delta R.T. 0.00 min

Lab File: VD058208.D

Acq: 20 Jun 2018 14:23

Instrument :

MSVOA_D

ClientSampleId :

VD0620SBS02

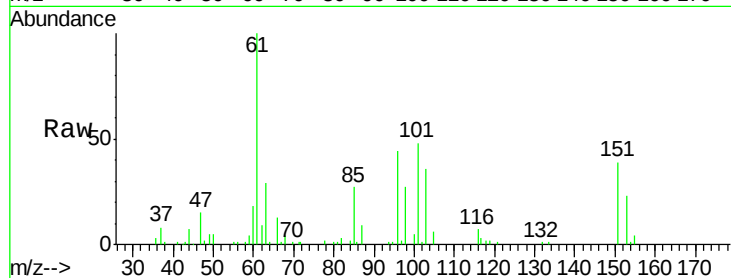
Tot Ion:101 Resp: 101447

Ion Ratio Lower Upper

101 100

85 56.8 39.0 58.4

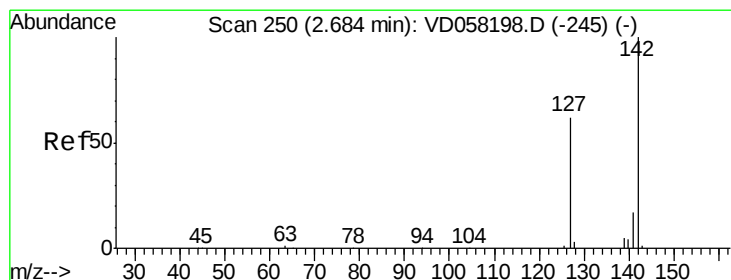
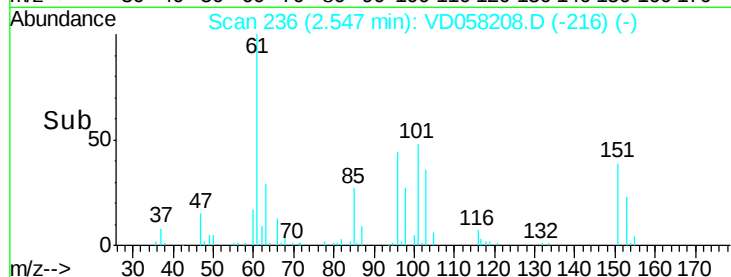
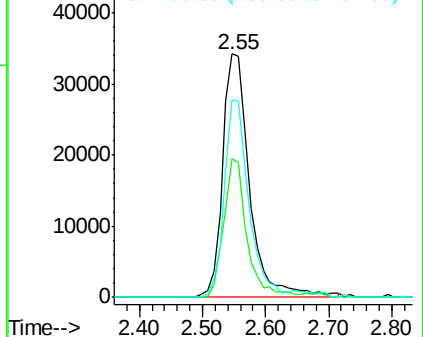
151 81.0 61.8 92.8



Abundance Ion 100.85 (100.55 to 101.55): V

Ion 84.95 (84.65 to 85.65): V

Ion 150.90 (150.60 to 151.60): V



#10

Methyl Iodide

Concen: 23.19 ug/l

RT: 2.69 min Scan# 250

Delta R.T. 0.00 min

Lab File: VD058208.D

Acq: 20 Jun 2018 14:23

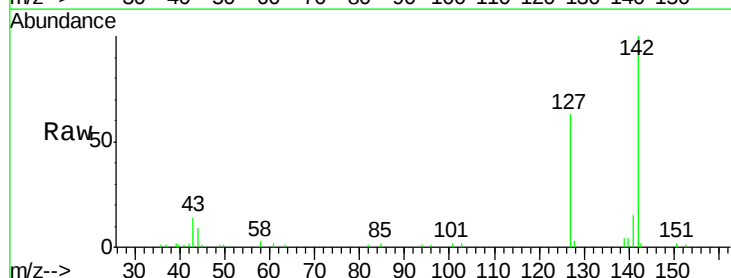
Tgt Ion:142 Resp: 116344

Ion Ratio Lower Upper

142 100

127 63.0 49.4 74.0

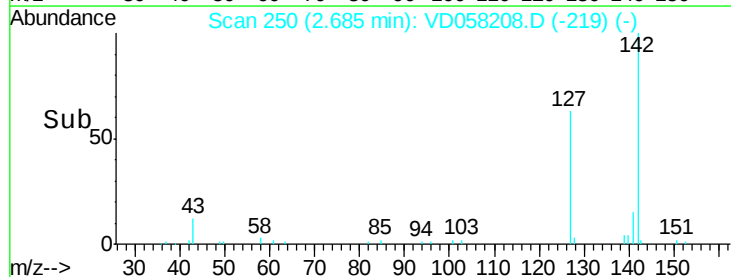
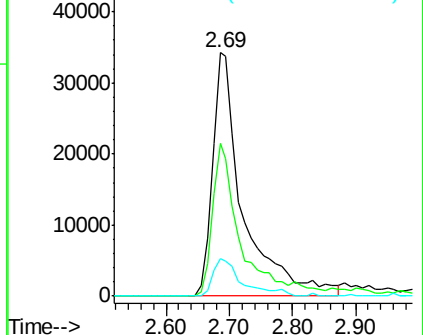
141 15.3 13.5 20.3



Abundance Ion 141.85 (141.55 to 142.55): V

Ion 126.80 (126.50 to 127.50): V

Ion 140.85 (140.55 to 141.55): V



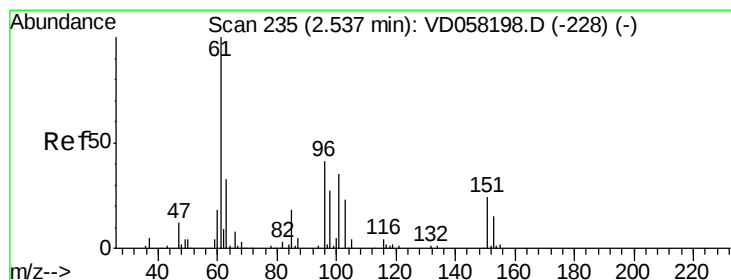
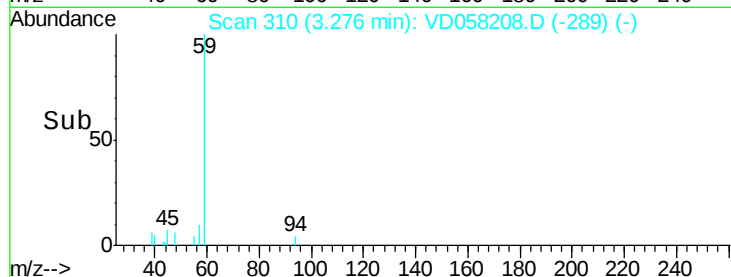
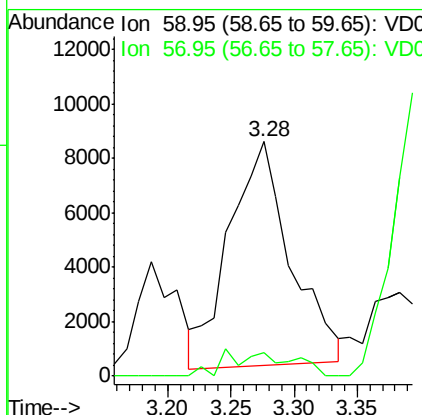
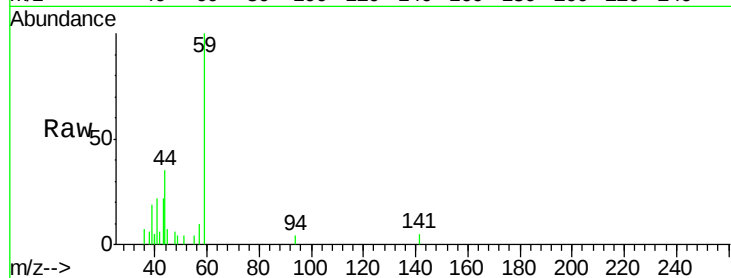


#11

Tert butyl alcohol
 Concen: 86.73 ug/l
 RT: 3.28 min Scan# 310
 Delta R.T. 0.01 min
 Lab File: VD058208.D
 Acq: 20 Jun 2018 14:23

Instrument :
 MSVOA_D
 ClientSampleId :
 VD0620SBS02

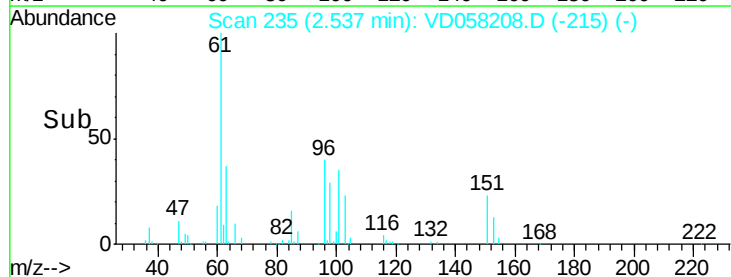
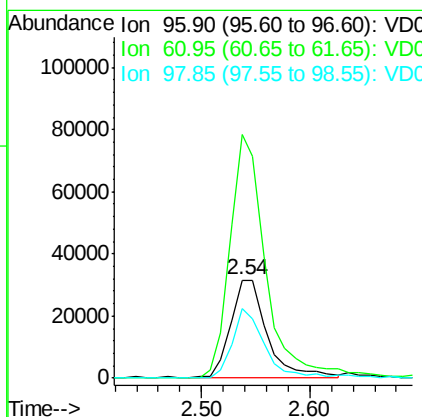
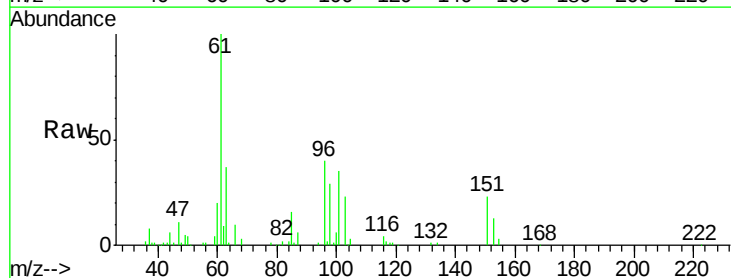
Tot Ion: 59 Resp: 27904
 Ion Ratio Lower Upper
 59 100
 57 10.2 6.2 9.4#

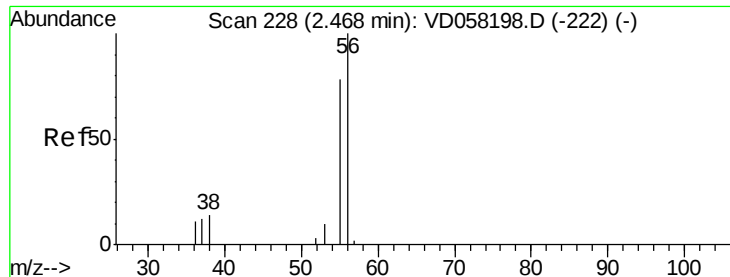


#12

1,1-Dichloroethene
 Concen: 22.65 ug/l
 RT: 2.54 min Scan# 235
 Delta R.T. 0.00 min
 Lab File: VD058208.D
 Acq: 20 Jun 2018 14:23

Tgt Ion: 96 Resp: 75146
 Ion Ratio Lower Upper
 96 100
 61 248.2 193.9 290.9
 98 71.3 51.7 77.5





#13

Acrolein

Concen: 131.43 ug/l

RT: 2.47 min Scan# 228

Delta R.T. 0.00 min

Lab File: VD058208.D

Acq: 20 Jun 2018 14:23

Instrument :

MSVOA_D

ClientSampleId :

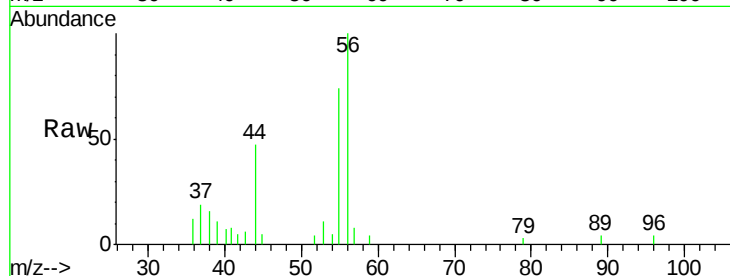
VD0620SBS02

Tot Ion: 56 Resp: 24139

Ion Ratio Lower Upper

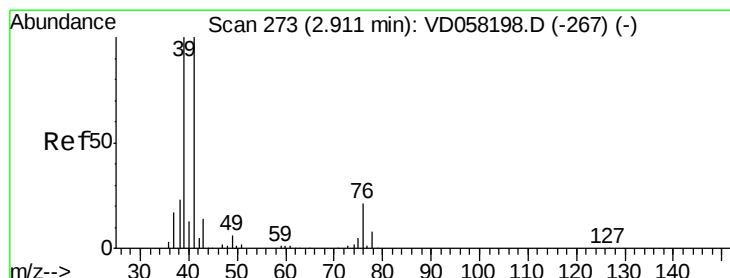
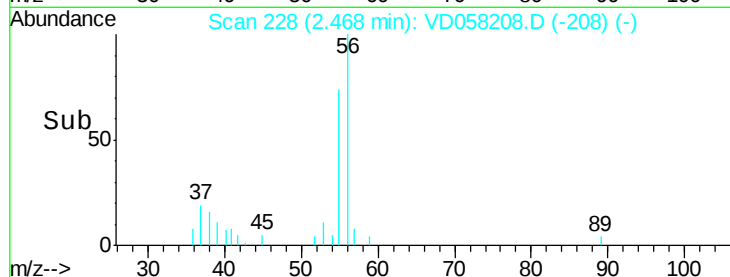
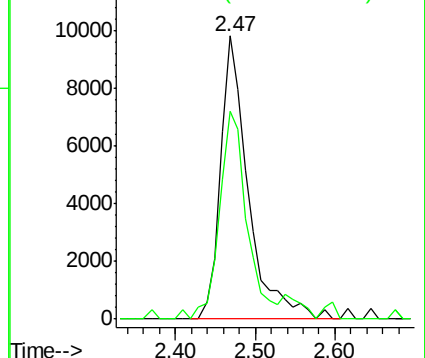
56 100

55 73.6 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: 22.19 ug/l

RT: 2.92 min Scan# 274

Delta R.T. 0.01 min

Lab File: VD058208.D

Acq: 20 Jun 2018 14:23

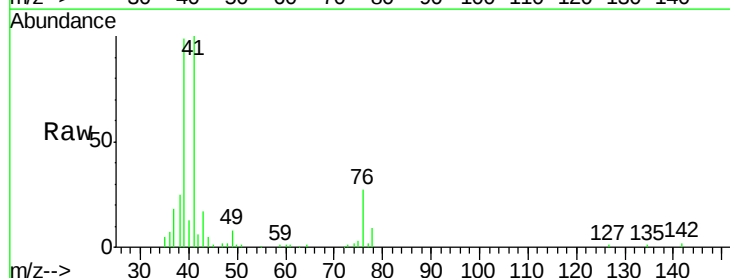
Tgt Ion: 41 Resp: 171363

Ion Ratio Lower Upper

41 100

39 99.1 80.1 120.1

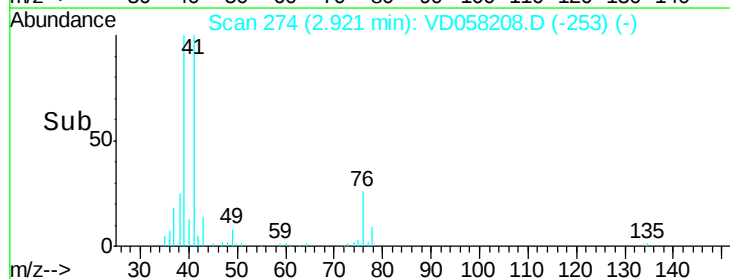
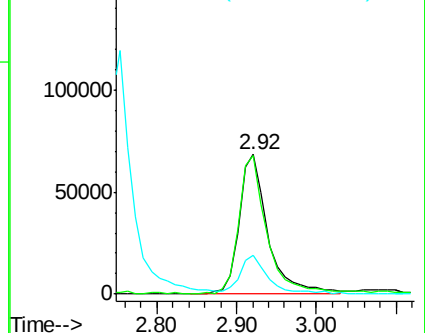
76 27.4 19.4 29.2

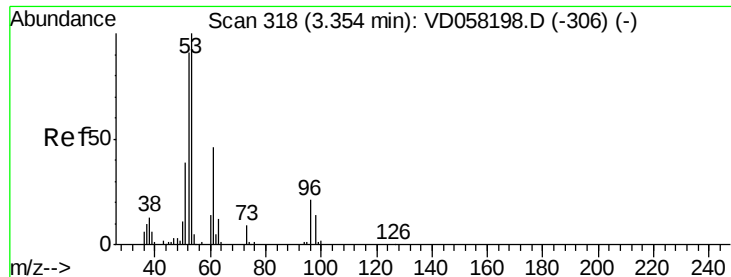


Abundance Ion 41.05 (40.75 to 41.75): VDC

Ion 38.95 (38.65 to 39.65): VDC

Ion 75.95 (75.65 to 76.65): VDC





#15

Acrylonitrile

Concen: 95.28 ug/l

RT: 3.36 min Scan# 319

Delta R.T. 0.01 min

Lab File: VD058208.D

Acq: 20 Jun 2018 14:23

Instrument :

MSVOA_D

ClientSampleId :

VD0620SBS02

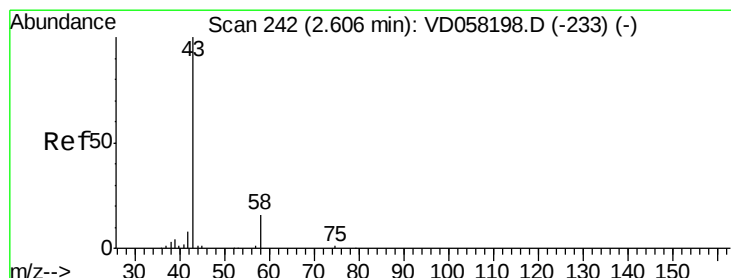
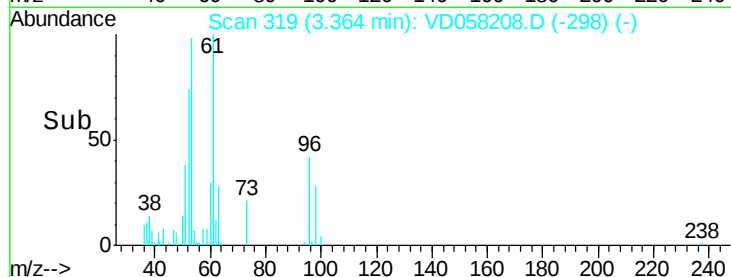
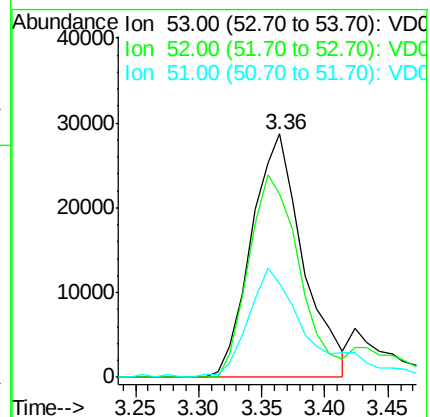
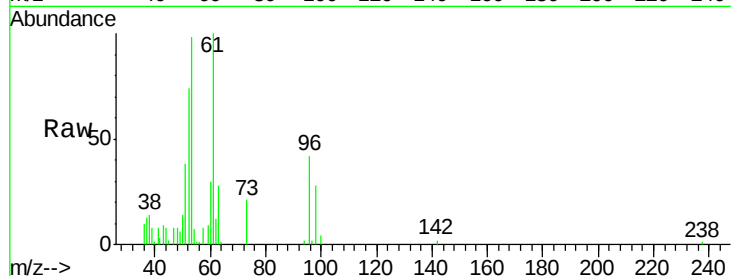
Tot Ion: 53 Resp: 81282

Ion Ratio Lower Upper

53 100

52 75.5 72.6 108.8

51 38.6 32.2 48.4



#16

Acetone

Concen: 108.23 ug/l

RT: 2.61 min Scan# 242

Delta R.T. 0.00 min

Lab File: VD058208.D

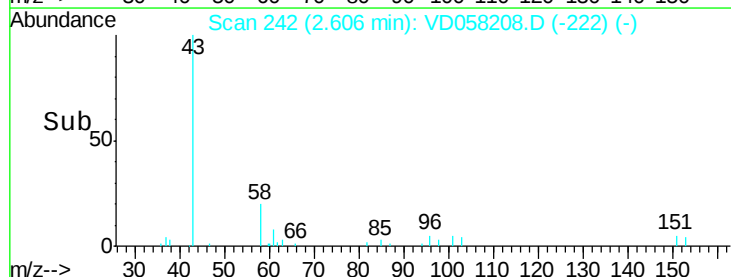
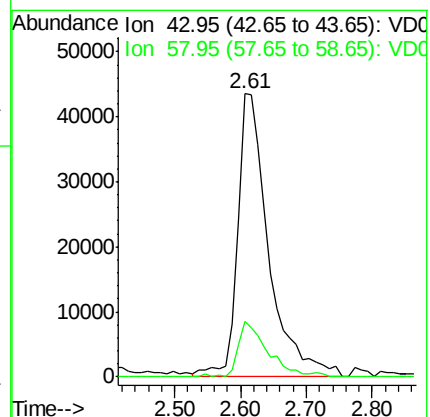
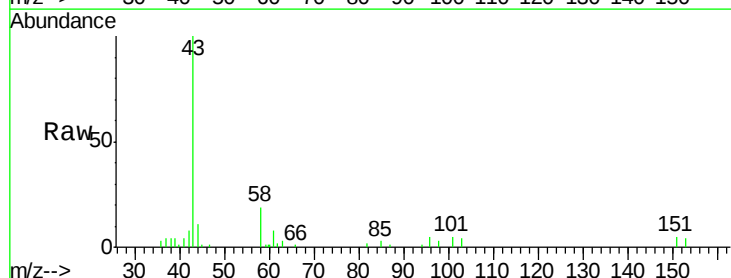
Acq: 20 Jun 2018 14:23

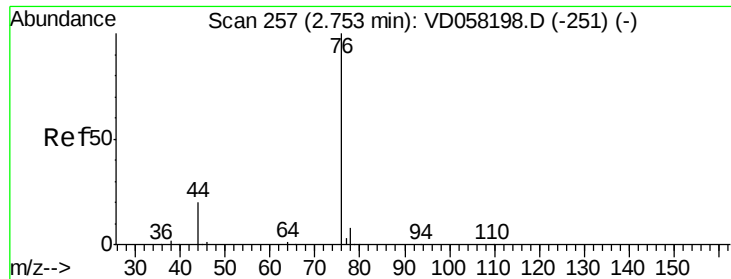
Tgt Ion: 43 Resp: 144382

Ion Ratio Lower Upper

43 100

58 19.5 12.7 19.1#

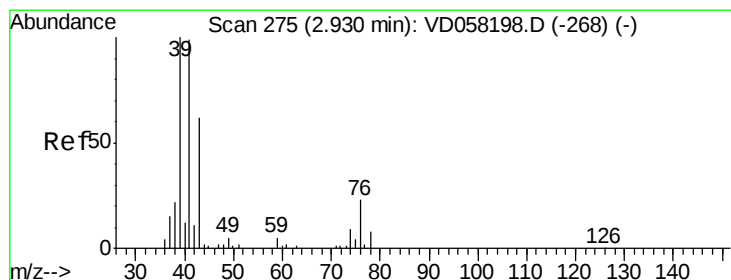
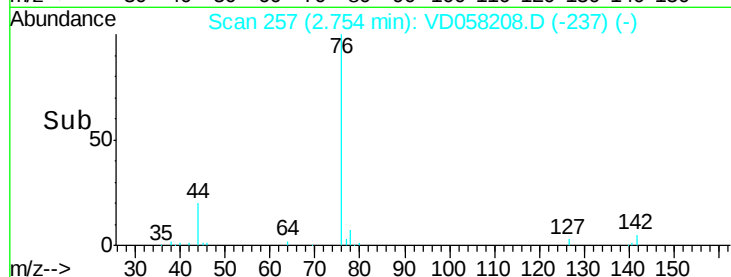
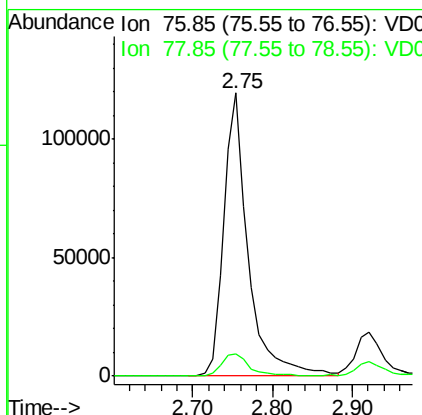
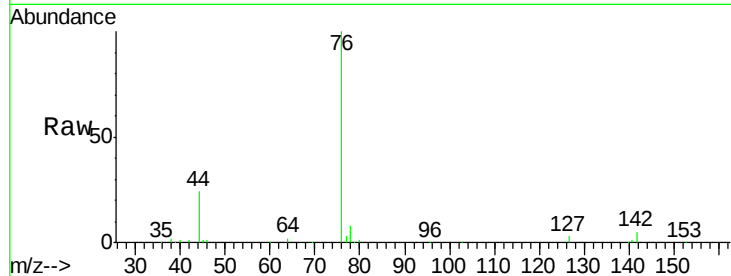




#17
Carbon Disulfide
Concen: 22.91 ug/l
RT: 2.75 min Scan# 257
Delta R.T. 0.00 min
Lab File: VD058208.D
Acq: 20 Jun 2018 14:23

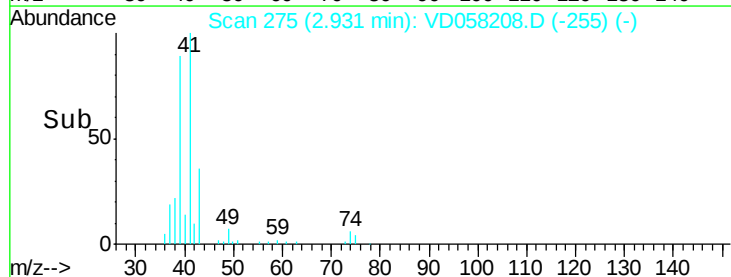
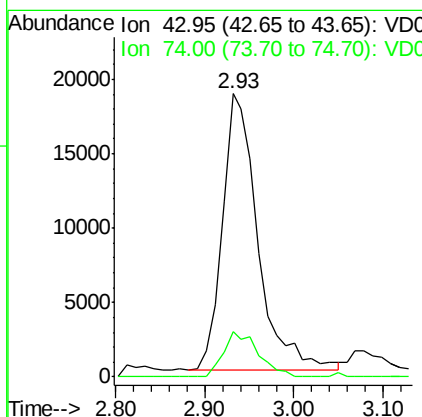
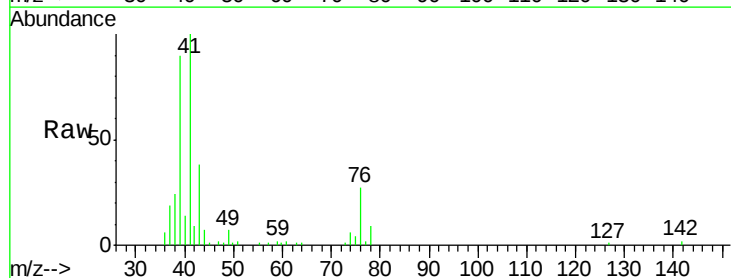
Instrument :
MSVOA_D
ClientSampleId :
VD0620SBS02

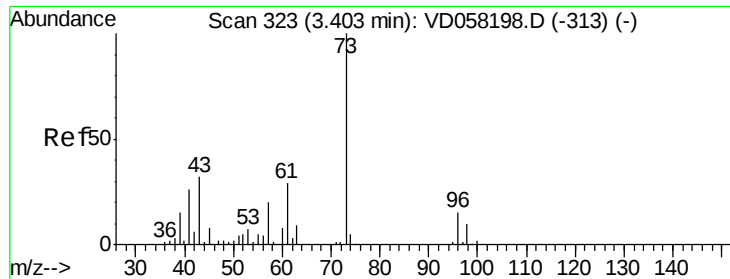
Tot Ion: 76 Resp: 258617
Ion Ratio Lower Upper
76 100
78 8.0 6.8 10.2



#18
Methyl Acetate
Concen: 18.24 ug/l
RT: 2.93 min Scan# 275
Delta R.T. 0.00 min
Lab File: VD058208.D
Acq: 20 Jun 2018 14:23

Tgt Ion: 43 Resp: 51892
Ion Ratio Lower Upper
43 100
74 16.1 11.7 17.5

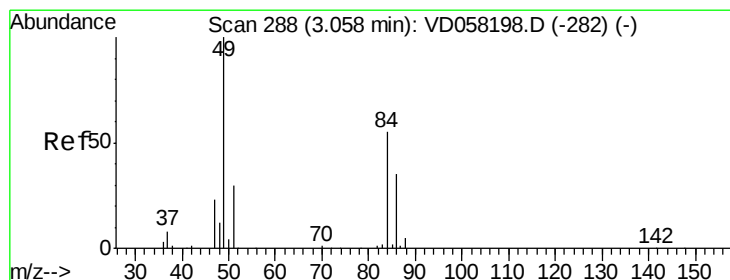
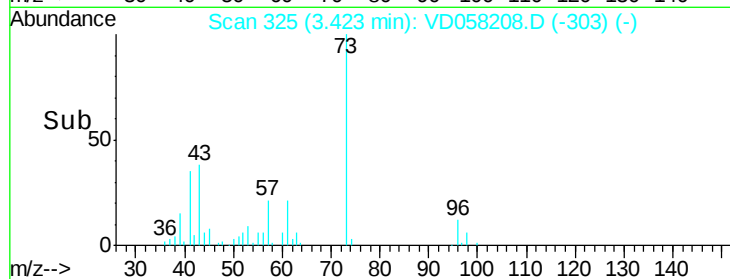
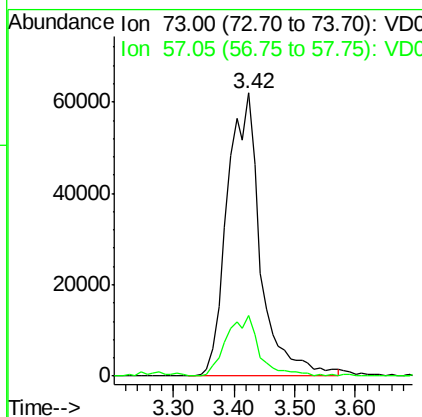
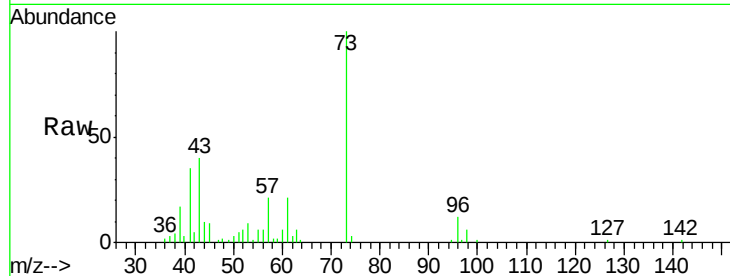




#19
Methvl tert-butvl Ether
Concen: 26.85 ug/l
RT: 3.42 min Scan# 325
Delta R.T. 0.02 min
Lab File: VD058208.D
Acq: 20 Jun 2018 14:23

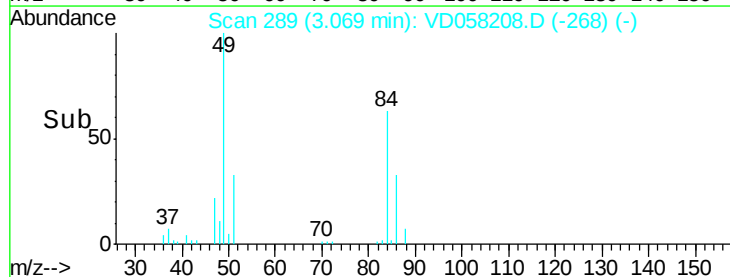
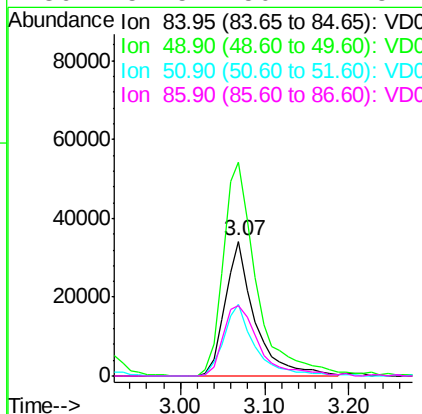
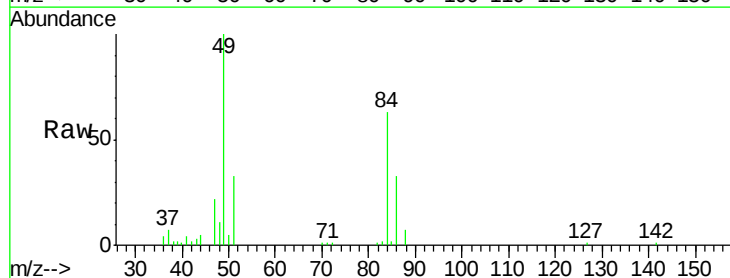
Instrument :
MSVOA_D
ClientSampleId :
VD0620SBS02

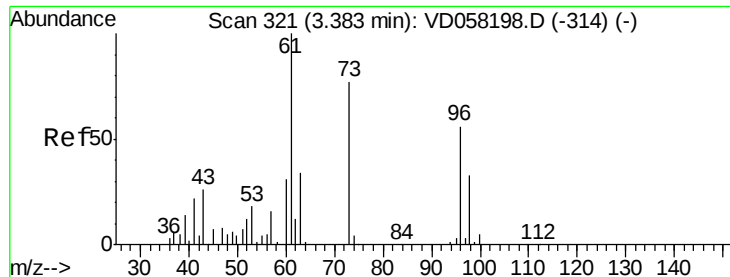
Tot Ion: 73 Resp: 236315
Ion Ratio Lower Upper
73 100
57 21.5 16.6 24.8



#20
Methylene Chloride
Concen: 21.27 ug/l
RT: 3.07 min Scan# 289
Delta R.T. 0.01 min
Lab File: VD058208.D
Acq: 20 Jun 2018 14:23

Tgt Ion: 84 Resp: 83620
Ion Ratio Lower Upper
84 100
49 158.5 145.0 217.6
51 53.0 42.9 64.3
86 52.5 50.1 75.1





#21

trans-1,2-Dichloroethene

Concen: 25.26 ug/l

RT: 3.38 min Scan# 321

Delta R.T. 0.00 min

Lab File: VD058208.D

Acq: 20 Jun 2018 14:23

Instrument :

MSVOA_D

ClientSampleId :

VD0620SBS02

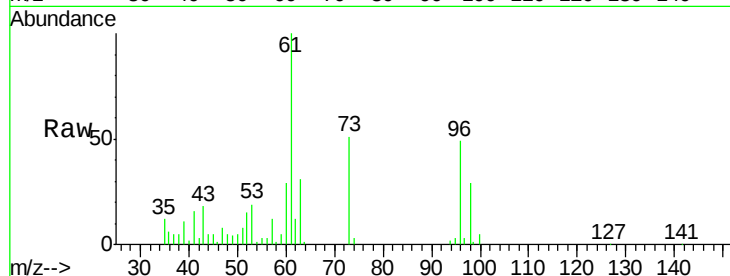
Tot Ion: 96 Resp: 91600

Ion Ratio Lower Upper

96 100

61 205.5 143.8 215.6

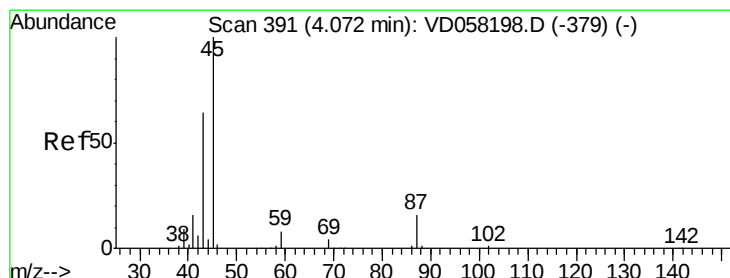
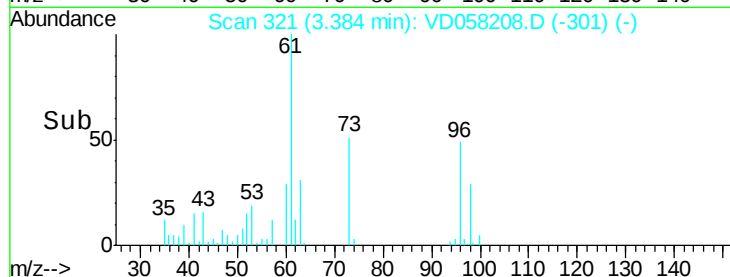
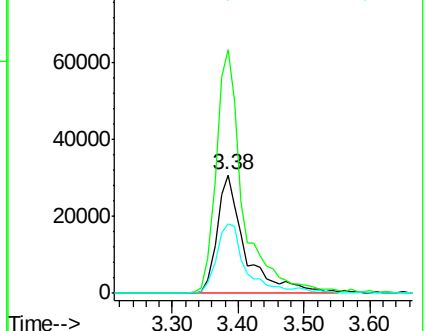
98 59.1 48.0 72.0



Abundance Ion 95.90 (95.60 to 96.60): VDC

Ion 60.95 (60.65 to 61.65): VDC

Ion 97.85 (97.55 to 98.55): VDC



#22

Diisopropyl ether

Concen: 21.03 ug/l

RT: 4.07 min Scan# 391

Delta R.T. 0.00 min

Lab File: VD058208.D

Acq: 20 Jun 2018 14:23

Tgt Ion: 45 Resp: 644928

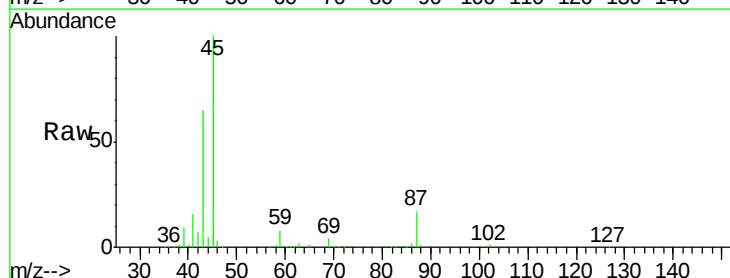
Ion Ratio Lower Upper

45 100

43 65.3 51.4 77.0

87 16.7 13.0 19.4

59 8.1 6.9 10.3

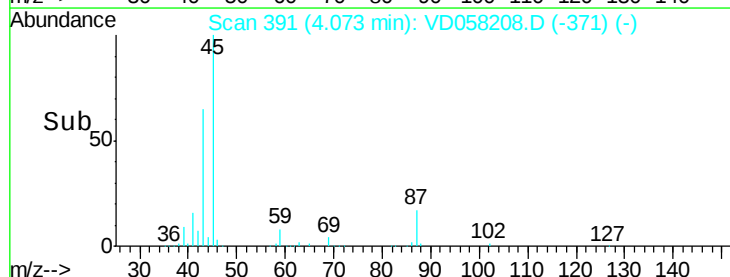
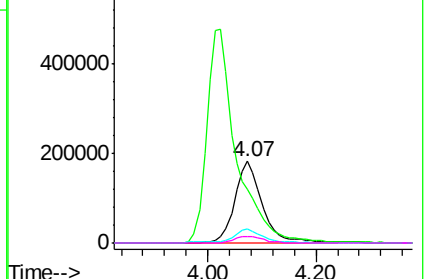


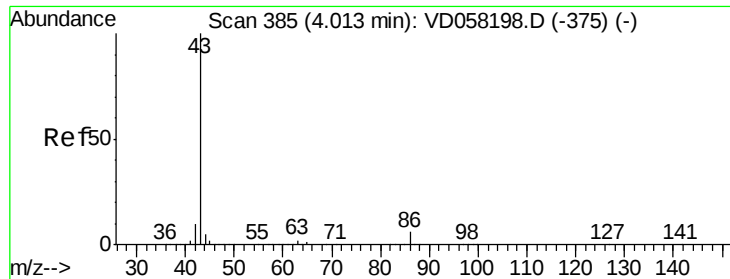
Abundance Ion 45.05 (44.75 to 45.75): VDC

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: 109.11 ug/l

RT: 4.02 min Scan# 386

Delta R.T. 0.01 min

Lab File: VD058208.D

Acq: 20 Jun 2018 14:23

Instrument :

MSVOA_D

ClientSampleId :

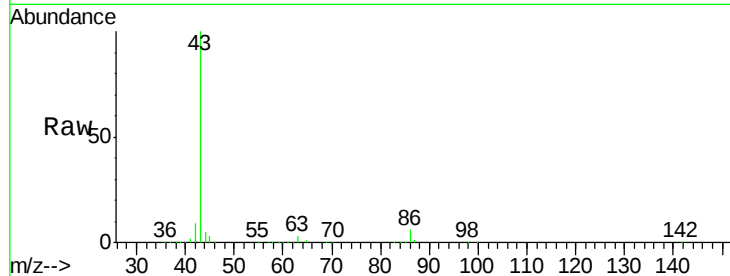
VD0620SBS02

Tot Ion: 43 Resp: 1793888

Ion Ratio Lower Upper

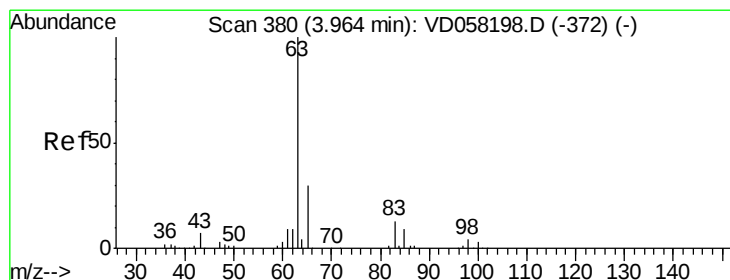
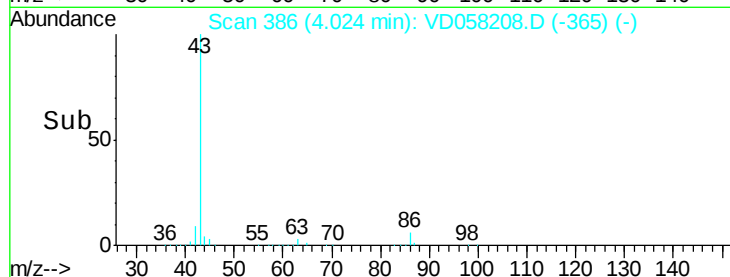
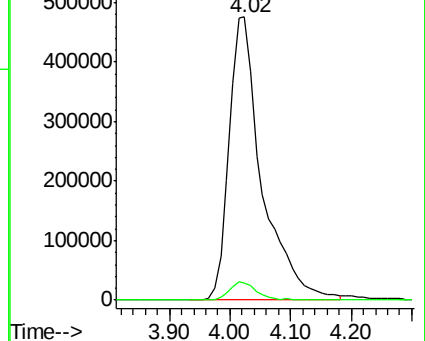
43 100

86 6.2 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: 23.02 ug/l

RT: 3.97 min Scan# 381

Delta R.T. 0.01 min

Lab File: VD058208.D

Acq: 20 Jun 2018 14:23

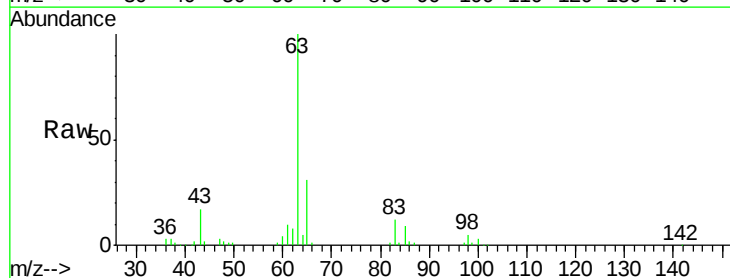
Tgt Ion: 63 Resp: 380397

Ion Ratio Lower Upper

63 100

98 4.7 1.9 5.7

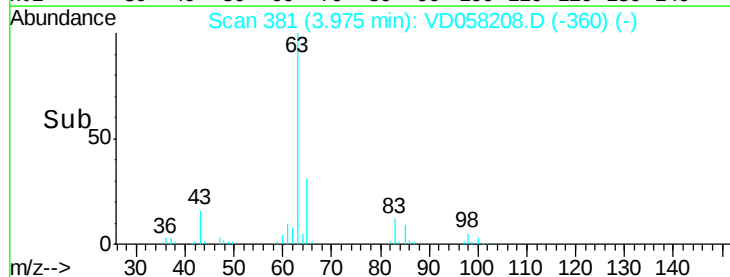
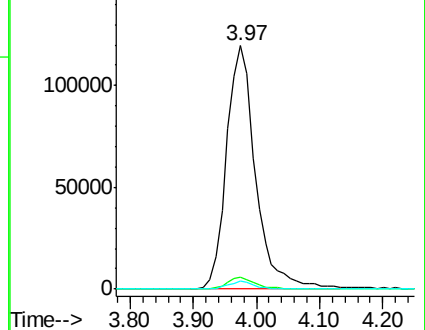
100 3.4 1.3 3.9

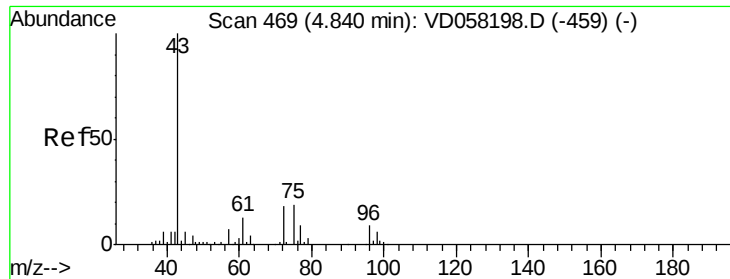


Abundance Ion 62.95 (62.65 to 63.65): VDC

Ion 97.95 (97.65 to 98.65): VDC

Ion 99.95 (99.65 to 100.65): VDC





#25

2-Butanone

Concen: 101.10 ug/l

RT: 4.84 min Scan# 469

Delta R.T. 0.00 min

Lab File: VD058208.D

Acq: 20 Jun 2018 14:23

Instrument :

MSVOA_D

ClientSampleId :

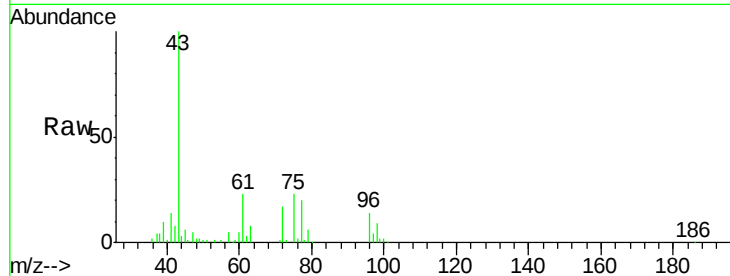
VD0620SBS02

Tot Ion: 43 Resp: 293954

Ion Ratio Lower Upper

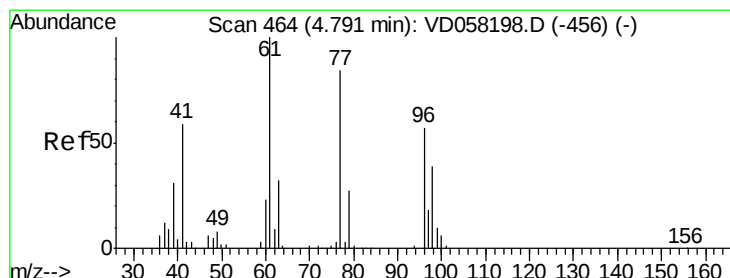
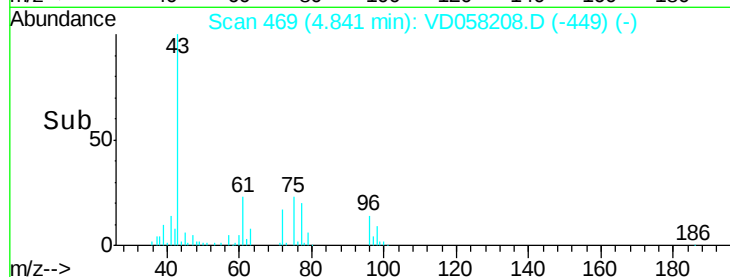
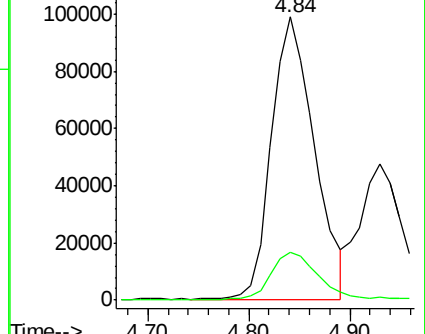
43 100

72 17.0 14.1 21.1



Abundance Ion 42.95 (42.65 to 43.65): VDC

Ion 72.00 (71.70 to 72.70): VDC



#26

2,2-Dichloropropane

Concen: 23.36 ug/l

RT: 4.80 min Scan# 465

Delta R.T. 0.01 min

Lab File: VD058208.D

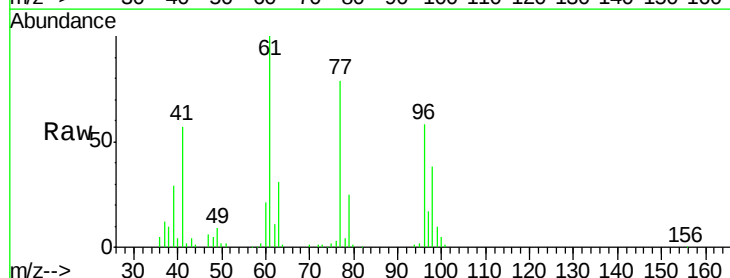
Acq: 20 Jun 2018 14:23

Tgt Ion: 77 Resp: 323159

Ion Ratio Lower Upper

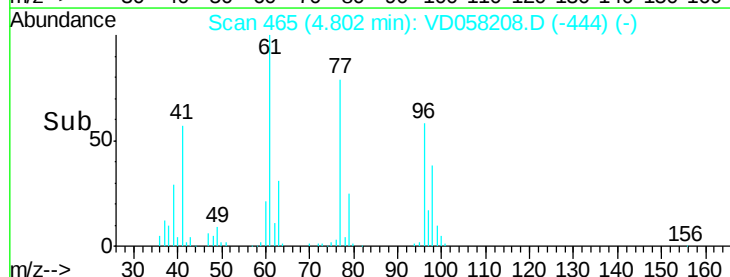
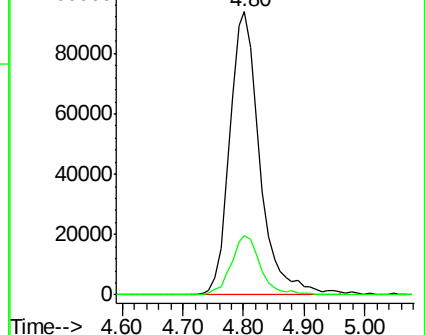
77 100

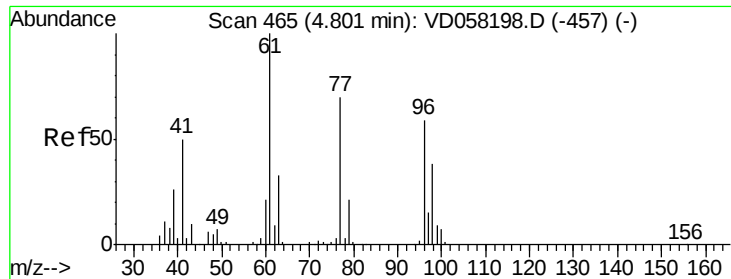
97 21.1 10.5 31.6



Abundance Ion 76.95 (76.65 to 77.65): VDC

Ion 96.85 (96.55 to 97.55): VDC





#27

cis-1,2-Dichloroethene

Concen: 23.26 ug/l

RT: 4.81 min Scan# 466

Delta R.T. 0.01 min

Lab File: VD058208.D

Acq: 20 Jun 2018 14:23

Instrument :

MSVOA_D

ClientSampleId :

VD0620SBS02

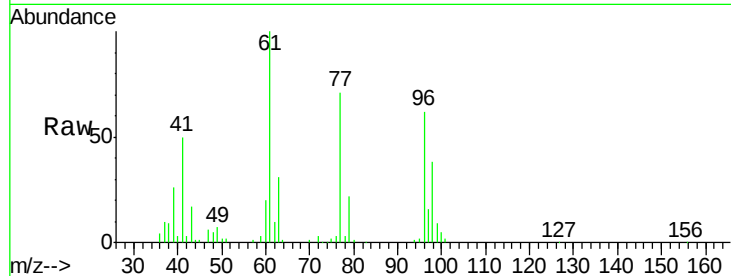
Tot Ion: 96 Resp: 210779

Ion Ratio Lower Upper

96 100

61 161.2 0.0 338.6

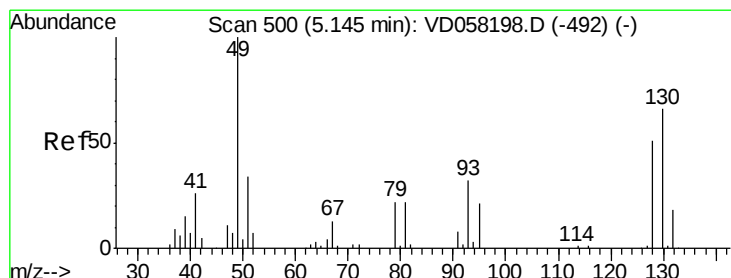
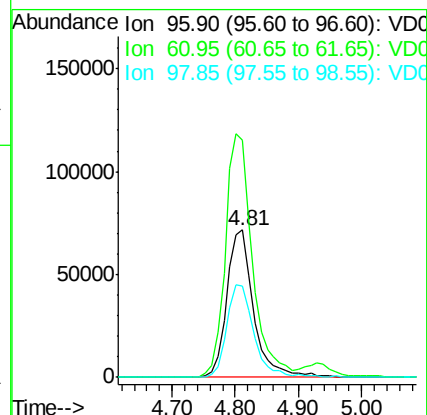
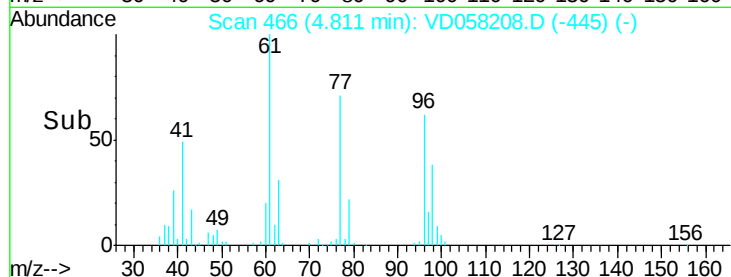
98 62.0 0.0 130.2



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: 21.55 ug/l

RT: 5.15 min Scan# 500

Delta R.T. 0.00 min

Lab File: VD058208.D

Acq: 20 Jun 2018 14:23

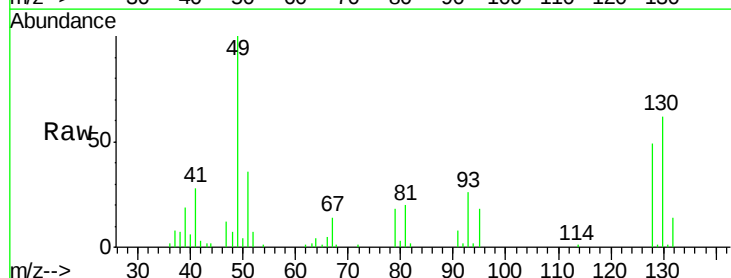
Tgt Ion: 49 Resp: 159640

Ion Ratio Lower Upper

49 100

129 1.4 0.0 0.0#

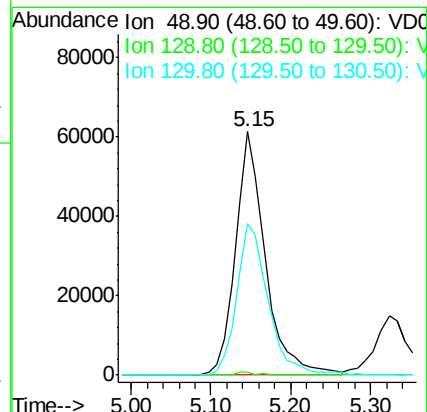
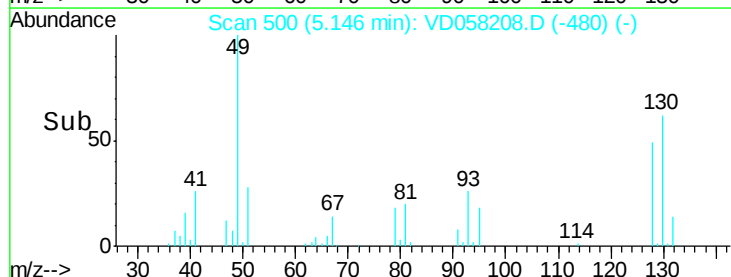
130 62.0 52.6 79.0



Abundance Ion 48.90 (48.60 to 49.60): VDC

Ion 128.80 (128.50 to 129.50): V

Ion 129.80 (129.50 to 130.50): V

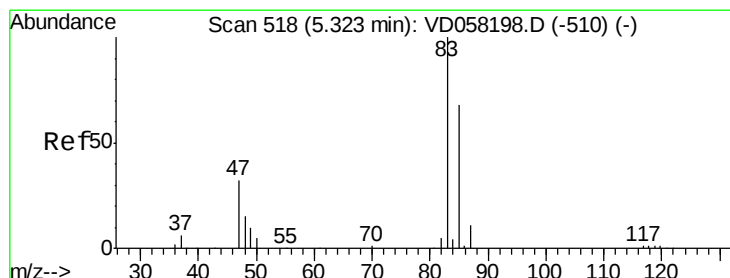
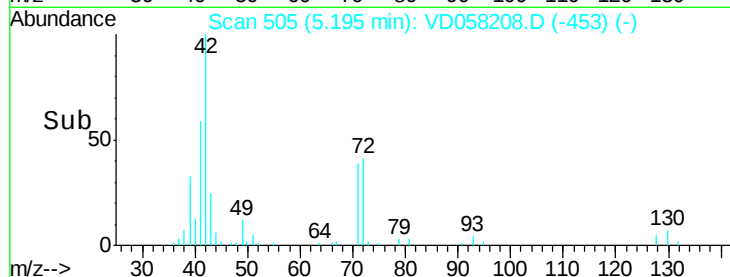
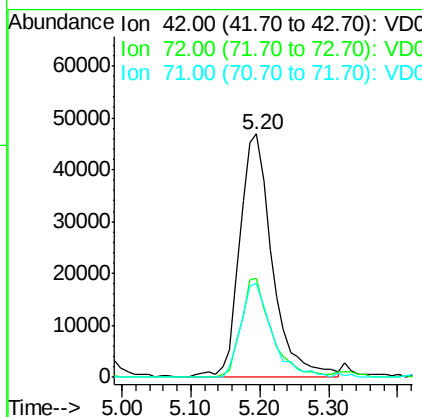
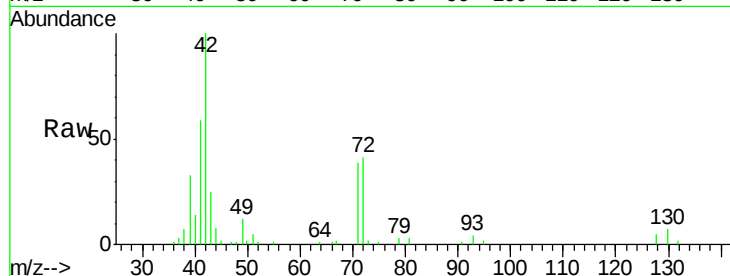




#29
Tetrahydrofuran
Concen: 99.96 ug/l
RT: 5.20 min Scan# 505
Delta R.T. 0.01 min
Lab File: VD058208.D
Acq: 20 Jun 2018 14:23

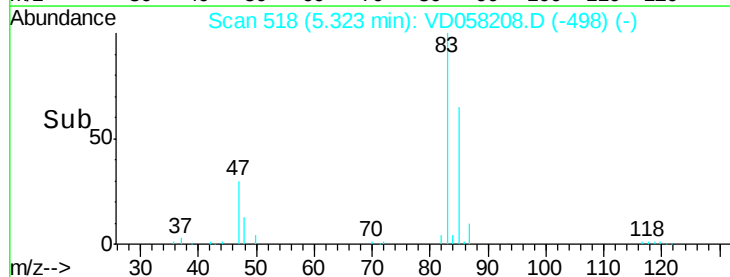
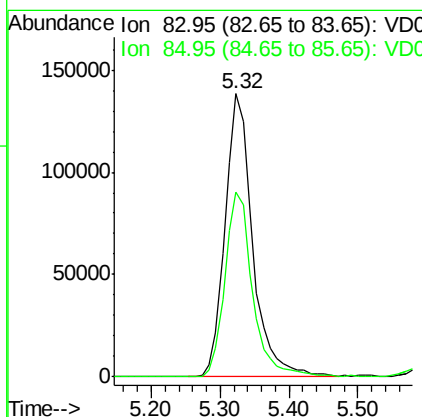
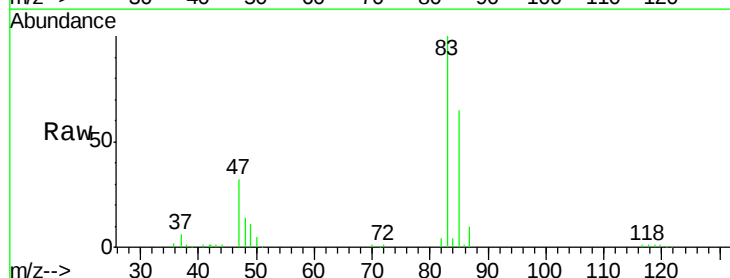
Instrument :
MSVOA_D
ClientSampleId :
VD0620SBS02

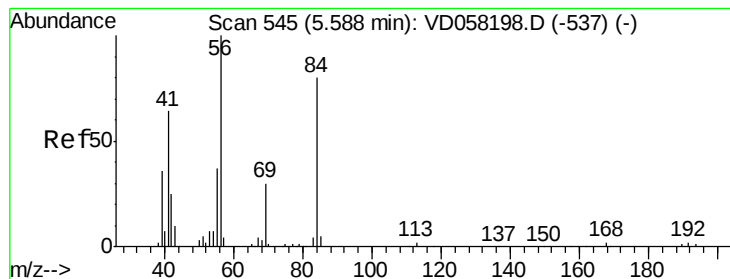
Tot Ion: 42 Resp: 154703
Ion Ratio Lower Upper
42 100
72 37.8 30.2 45.2
71 37.0 30.1 45.1



#30
Chloroform
Concen: 21.96 ug/l
RT: 5.32 min Scan# 518
Delta R.T. 0.00 min
Lab File: VD058208.D
Acq: 20 Jun 2018 14:23

Tgt Ion: 83 Resp: 383022
Ion Ratio Lower Upper
83 100
85 65.2 54.8 82.2





#31

Cvclohexane

Concen: 23.50 ug/l

RT: 5.59 min Scan# 545

Delta R.T. 0.00 min

Lab File: VD058208.D

Acq: 20 Jun 2018 14:23

Instrument :

MSVOA_D

ClientSampleId :

VD0620SBS02

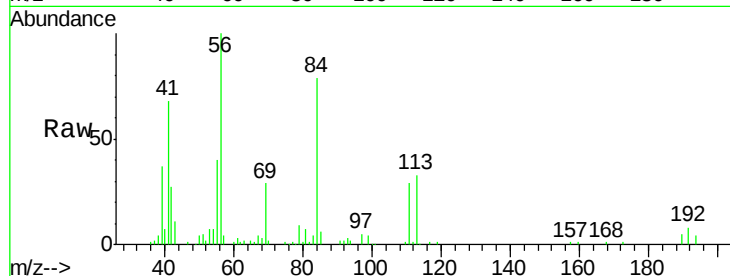
Tot Ion: 56 Resp: 315108

Ion Ratio Lower Upper

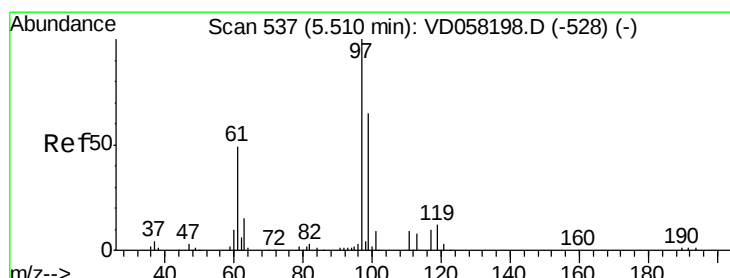
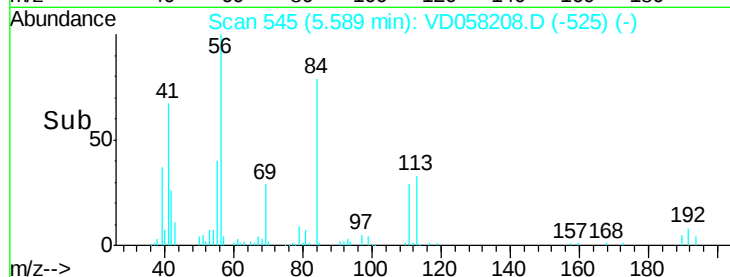
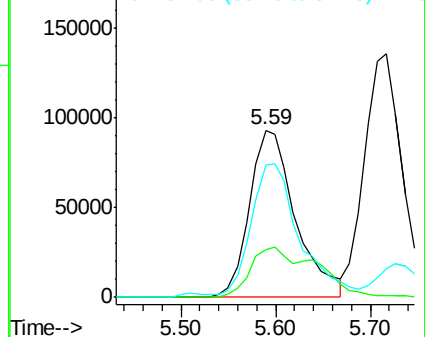
56 100

69 28.9 23.6 35.4

84 79.3 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: 22.54 ug/l

RT: 5.51 min Scan# 537

Delta R.T. 0.00 min

Lab File: VD058208.D

Acq: 20 Jun 2018 14:23

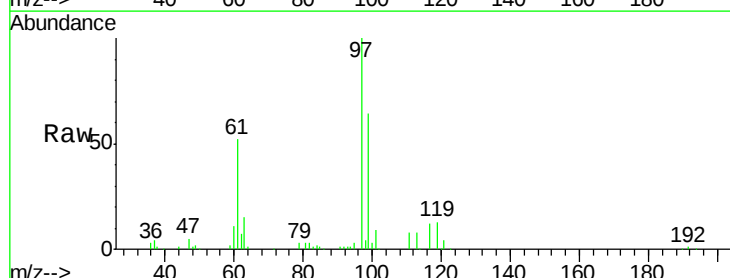
Tgt Ion: 97 Resp: 324917

Ion Ratio Lower Upper

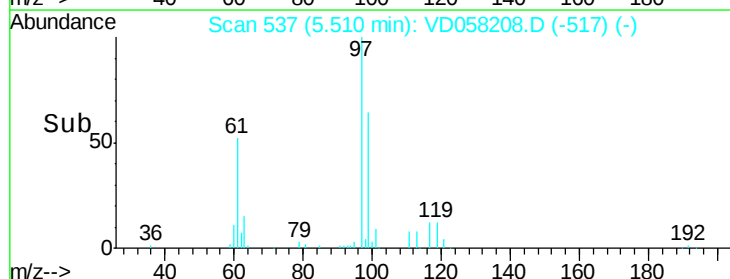
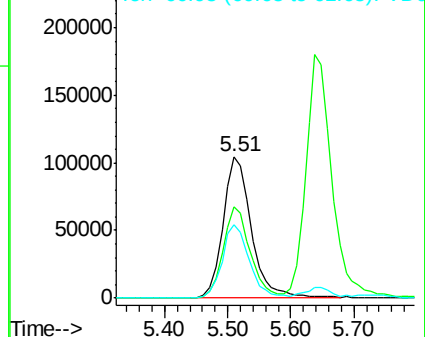
97 100

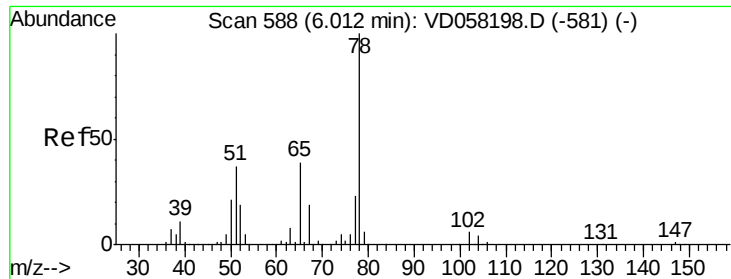
99 64.4 52.2 78.4

61 51.5 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

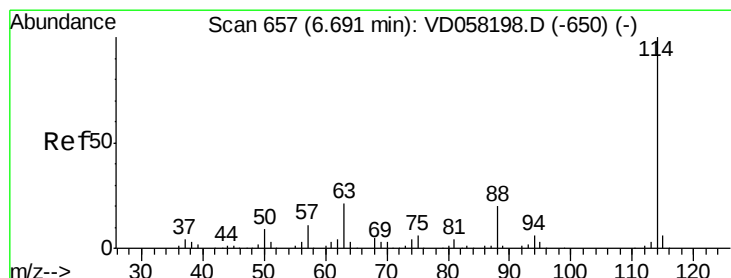
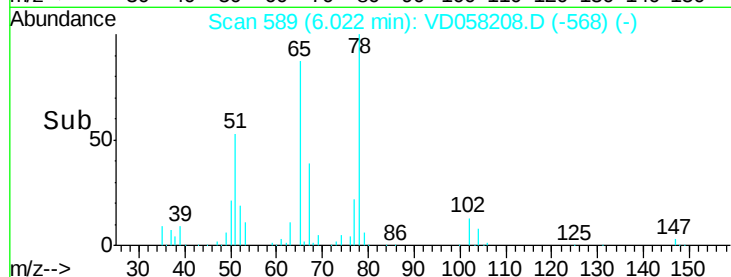
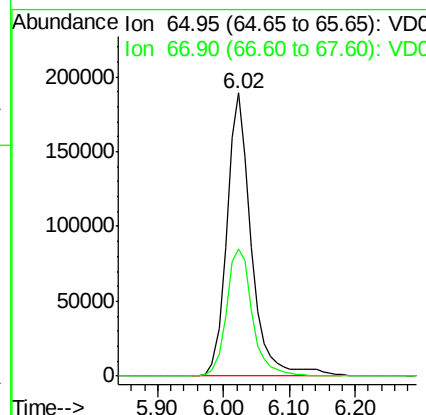
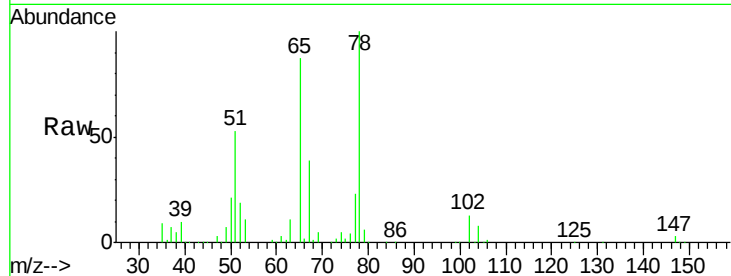




#33
 1,2-Dichloroethane-d4
 Concen: 22.54 ug/l
 RT: 6.02 min Scan# 589
 Delta R.T. 0.01 min
 Lab File: VD058208.D
 Acq: 20 Jun 2018 14:23

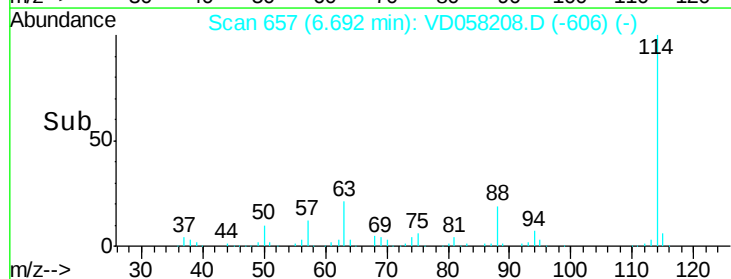
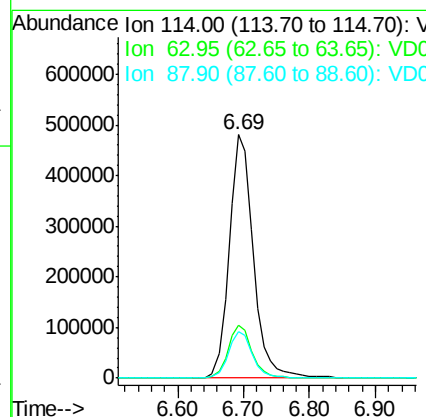
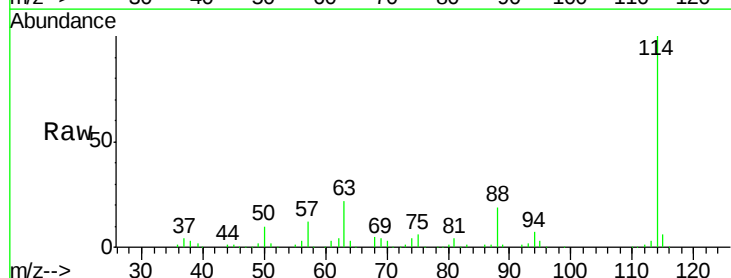
Instrument :
 MSVOA_D
 ClientSampleId :
 VD0620SBS02

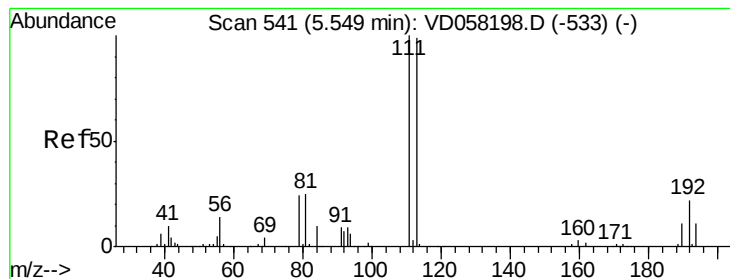
Tot Ion: 65 Resp: 492132
 Ion Ratio Lower Upper
 65 100
 67 45.2 0.0 97.8



#34
 1,4-Difluorobenzene
 Concen: 50.00 ug/l
 RT: 6.69 min Scan# 657
 Delta R.T. 0.00 min
 Lab File: VD058208.D
 Acq: 20 Jun 2018 14:23

Tgt Ion: 114 Resp: 1229323
 Ion Ratio Lower Upper
 114 100
 63 21.6 0.0 42.6
 88 19.2 0.0 40.6





#35

Dibromofluoromethane

Concen: 50.00 ug/l

RT: 5.55 min Scan# 541

Delta R.T. 0.00 min

Lab File: VD058208.D

Acq: 20 Jun 2018 14:23

Instrument :

MSVOA_D

ClientSampleId :

VD0620SBS02

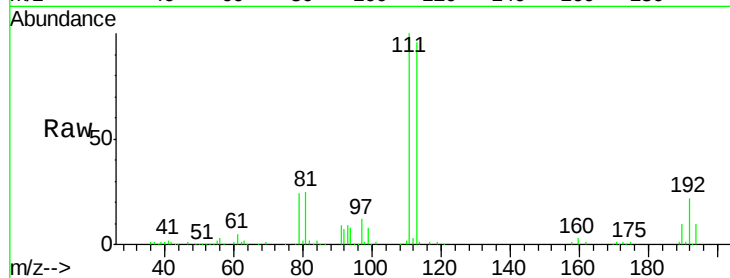
Tot Ion:113 Resp: 507123

Ion Ratio Lower Upper

113 100

111 103.7 80.6 121.0

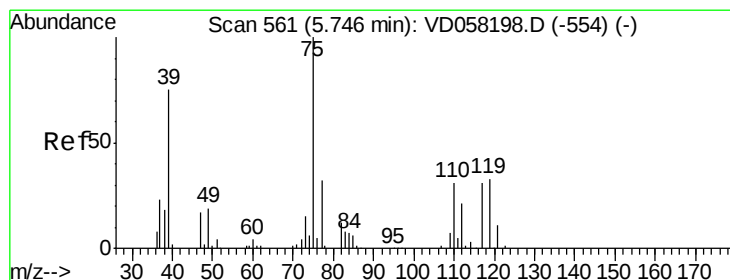
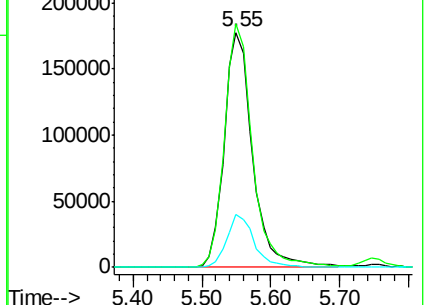
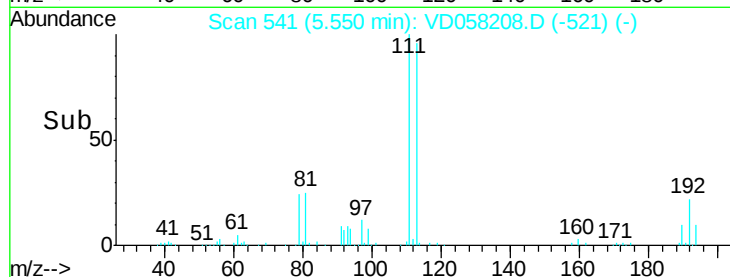
192 22.3 17.8 26.6



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: 23.23 ug/l

RT: 5.75 min Scan# 561

Delta R.T. 0.00 min

Lab File: VD058208.D

Acq: 20 Jun 2018 14:23

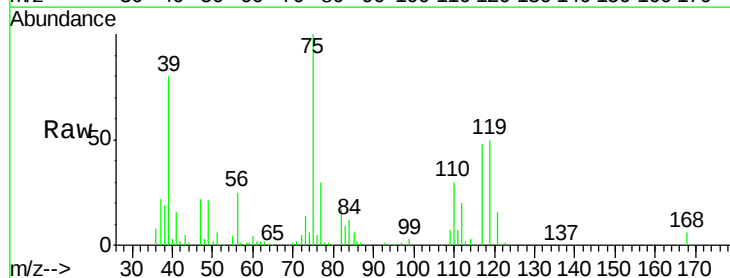
Tgt Ion: 75 Resp: 282470

Ion Ratio Lower Upper

75 100

110 29.9 15.4 46.4

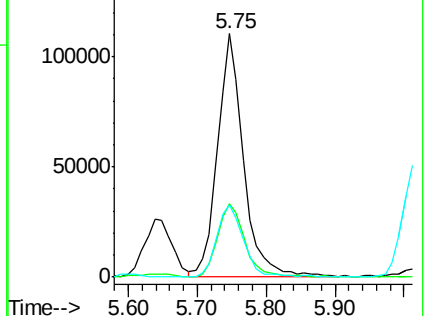
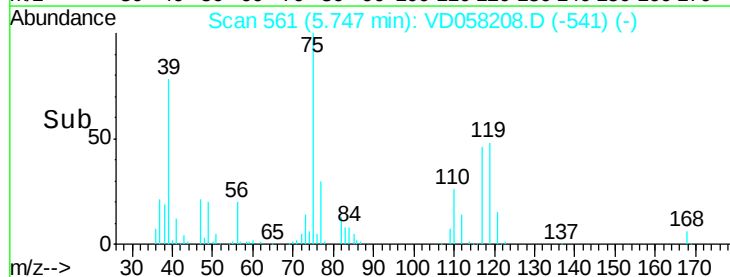
77 29.5 25.4 38.2

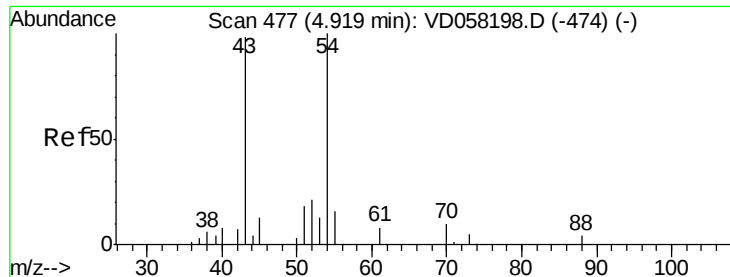


Abundance Ion 75.00 (74.70 to 75.70): VDC

Ion 109.90 (109.60 to 110.60): V

Ion 76.95 (76.65 to 77.65): VDC





#37

Ethyl Acetate

Concen: 21.22 ug/l

RT: 4.93 min Scan# 478

Delta R.T. 0.01 min

Lab File: VD058208.D

Acq: 20 Jun 2018 14:23

Instrument :

MSVOA_D

ClientSampleId :

VD0620SBS02

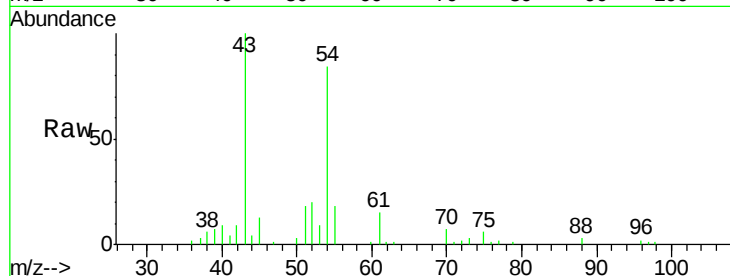
Tot Ion: 43 Resp: 147064

Ion Ratio Lower Upper

43 100

61 15.2 10.3 15.5

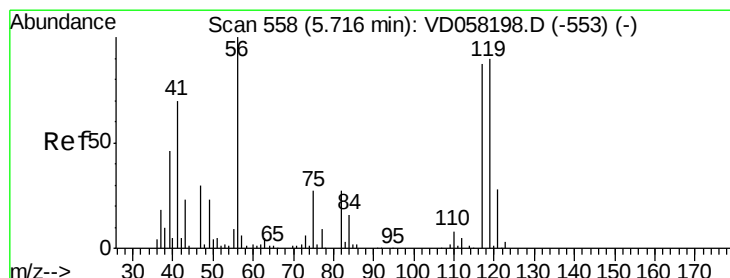
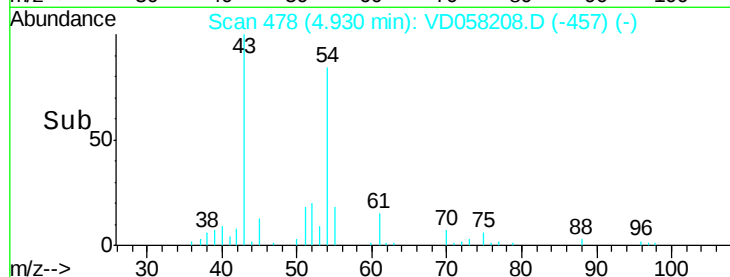
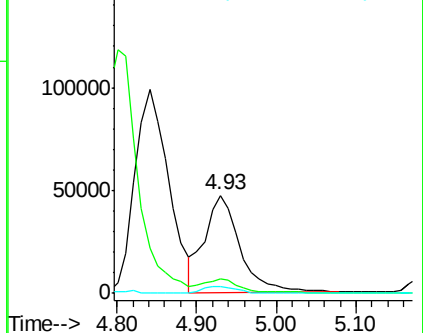
70 7.3 5.7 8.5



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: 23.56 ug/l

RT: 5.73 min Scan# 559

Delta R.T. 0.01 min

Lab File: VD058208.D

Acq: 20 Jun 2018 14:23

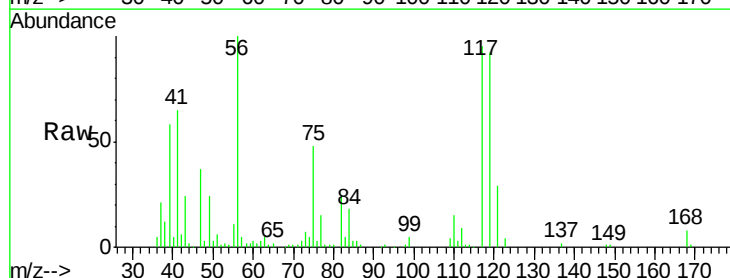
Tgt Ion: 117 Resp: 284683

Ion Ratio Lower Upper

117 100

119 97.0 78.8 118.2

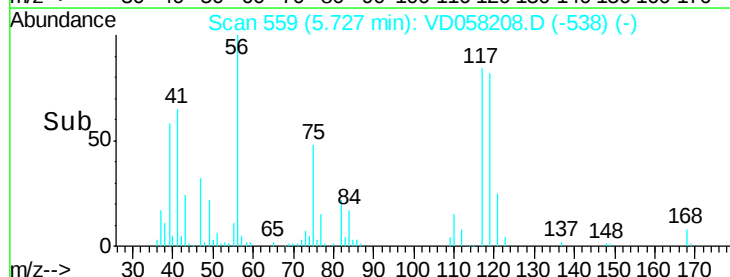
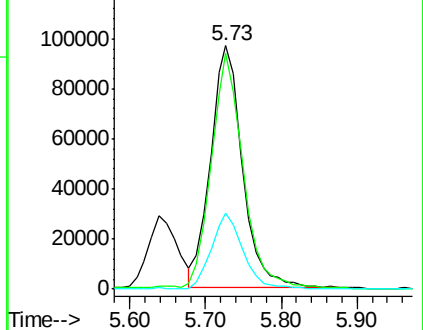
121 31.1 25.0 37.6

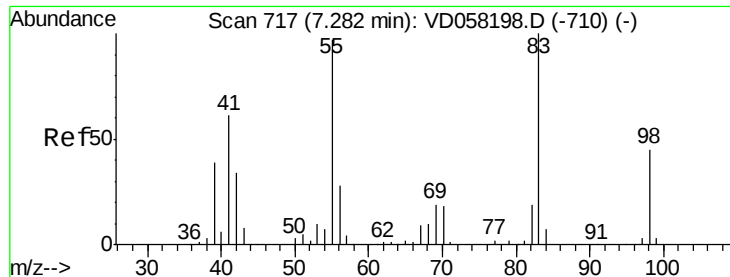


Abundance Ion 116.85 (116.55 to 117.55): V

Ion 118.85 (118.55 to 119.55): V

Ion 120.85 (120.55 to 121.55): V

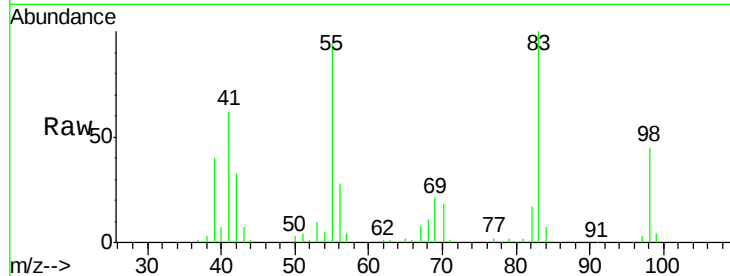




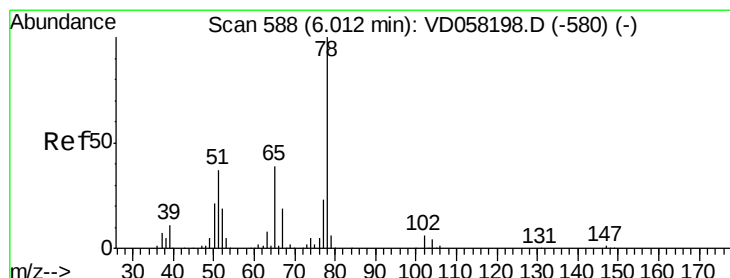
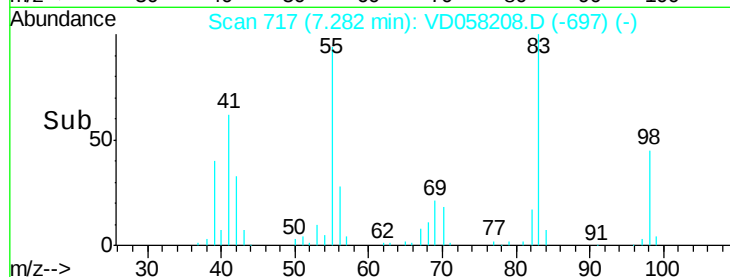
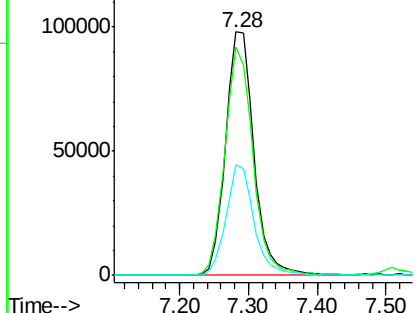
#39
Methvlcvclohexane
Concen: 23.62 ug/l
RT: 7.28 min Scan# 717
Delta R.T. 0.00 min
Lab File: VD058208.D
Acq: 20 Jun 2018 14:23

Instrument :
MSVOA_D
ClientSampleId :
VD0620SBS02

Tot Ion: 83 Resp: 279810
Ion Ratio Lower Upper
83 100
55 93.9 77.4 116.2
98 45.4 35.9 53.9

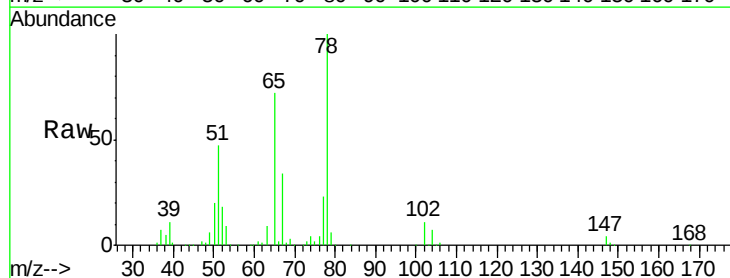


Abundance Ion 83.05 (82.75 to 83.75): VDC
Ion 55.00 (54.70 to 55.70): VDC
Ion 98.05 (97.75 to 98.75): VDC

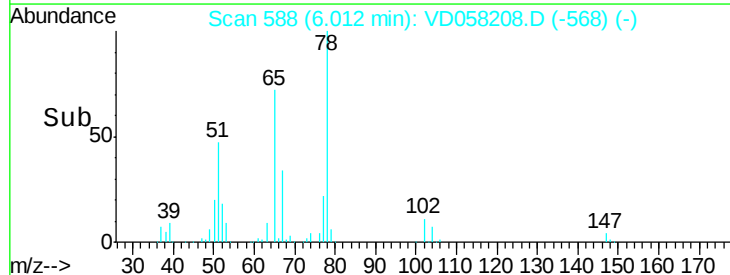
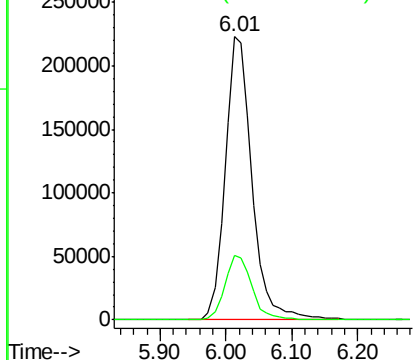


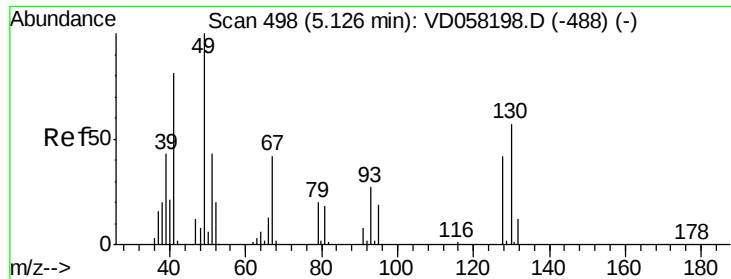
#40
Benzene
Concen: 21.86 ug/l
RT: 6.01 min Scan# 588
Delta R.T. 0.00 min
Lab File: VD058208.D
Acq: 20 Jun 2018 14:23

Tgt Ion: 78 Resp: 633156
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: 21.19 ug/l

RT: 5.13 min Scan# 498

Delta R.T. 0.00 min

Lab File: VD058208.D

Acq: 20 Jun 2018 14:23

Instrument :

MSVOA_D

ClientSampleId :

VD0620SBS02

Tot Ion: 41 Resp: 70899

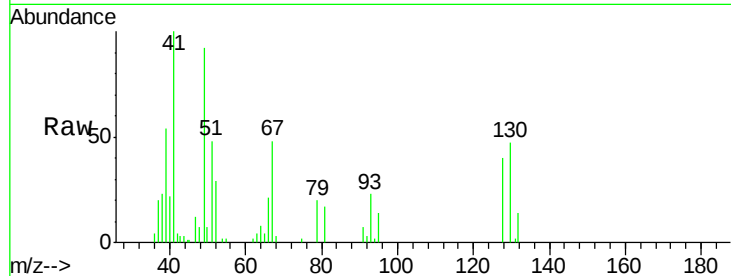
Ion Ratio Lower Upper

41 100

39 54.2 43.4 65.2

67 48.1 41.7 62.5

52 28.8 20.6 30.8

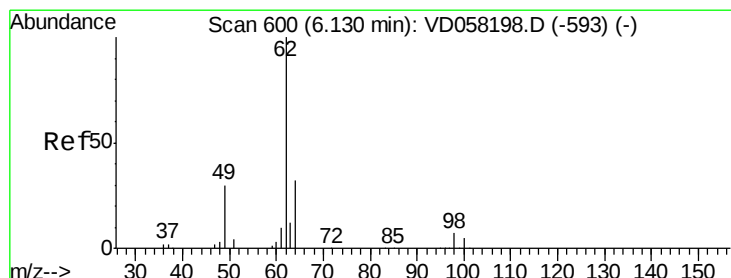
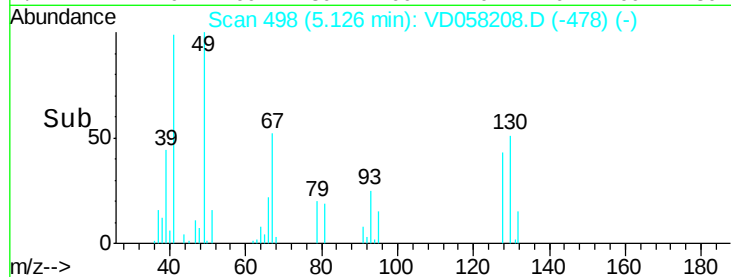
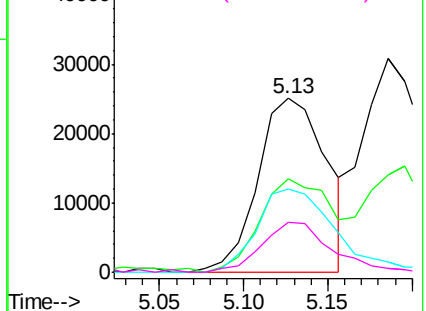


Abundance Ion 40.95 (40.65 to 41.65): VDC

Ion 38.95 (38.65 to 39.65): VDC

Ion 67.00 (66.70 to 67.70): VDC

Ion 52.00 (51.70 to 52.70): VDC



#42

1,2-Dichloroethane

Concen: 22.03 ug/l

RT: 6.13 min Scan# 600

Delta R.T. 0.00 min

Lab File: VD058208.D

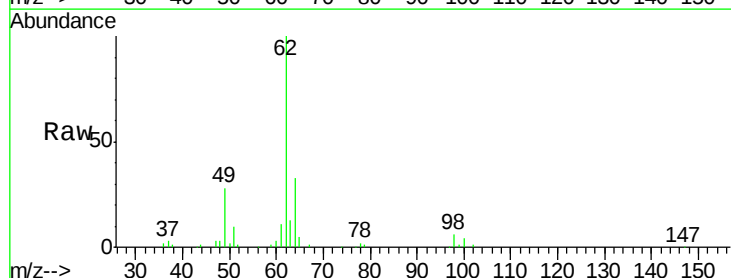
Acq: 20 Jun 2018 14:23

Tgt Ion: 62 Resp: 257330

Ion Ratio Lower Upper

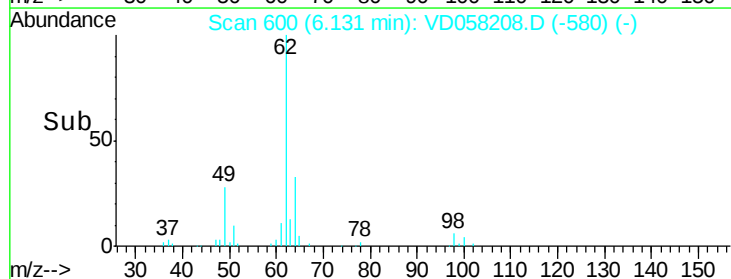
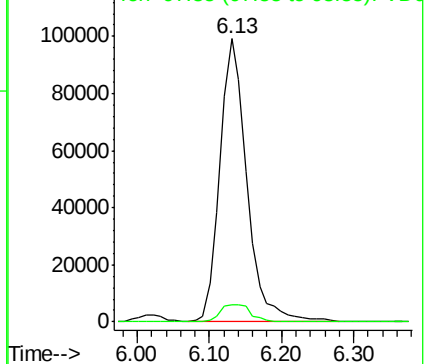
62 100

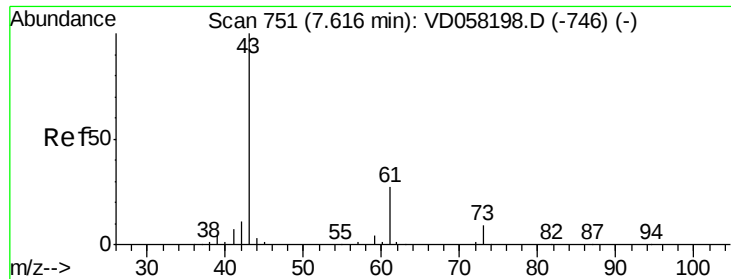
98 5.9 0.0 13.2



Abundance Ion 61.95 (61.65 to 62.65): VDC

Ion 97.85 (97.55 to 98.55): VDC





#43

Isopropyl Acetate

Concen: 20.28 ug/l

RT: 7.63 min Scan# 752

Delta R.T. 0.01 min

Lab File: VD058208.D

Acq: 20 Jun 2018 14:23

Instrument :

MSVOA_D

ClientSampleId :

VD0620SBS02

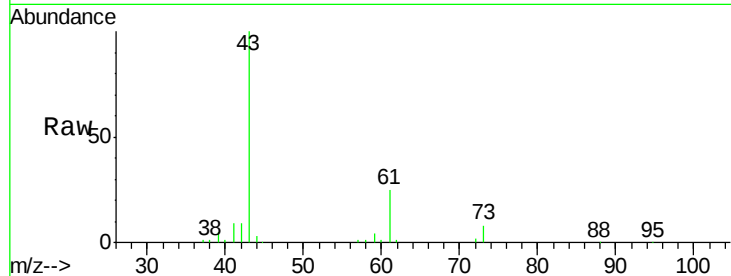
Tot Ion: 43 Resp: 187307

Ion Ratio Lower Upper

43 100

61 25.2 21.8 32.6

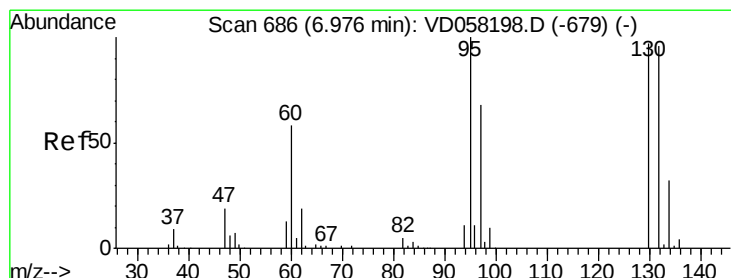
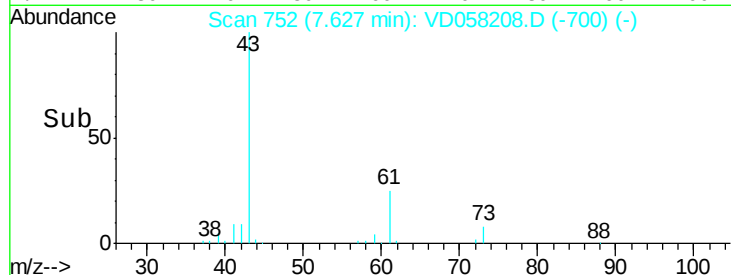
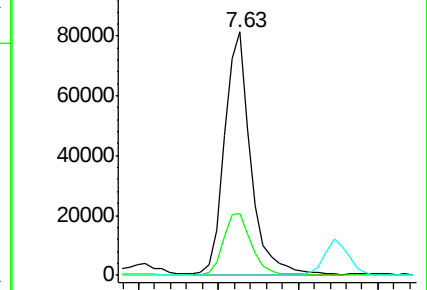
87 0.0 0.3 0.5#



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: 22.48 ug/l

RT: 6.99 min Scan# 687

Delta R.T. 0.01 min

Lab File: VD058208.D

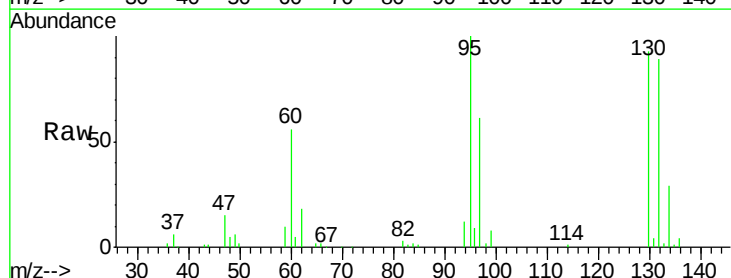
Acq: 20 Jun 2018 14:23

Tgt Ion:130 Resp: 195570

Ion Ratio Lower Upper

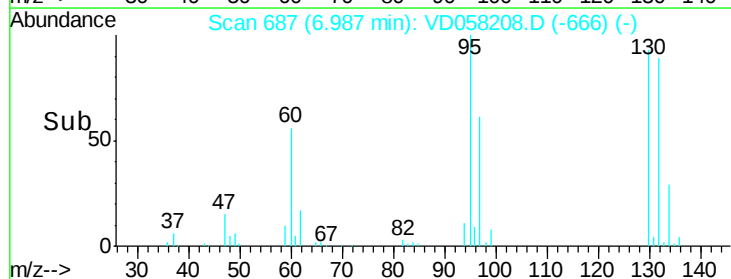
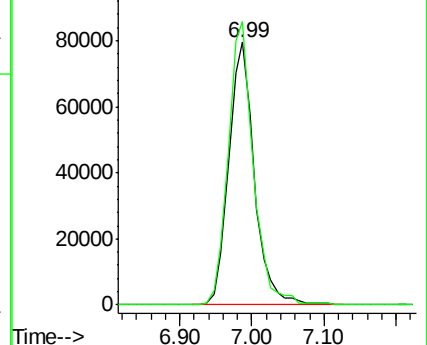
130 100

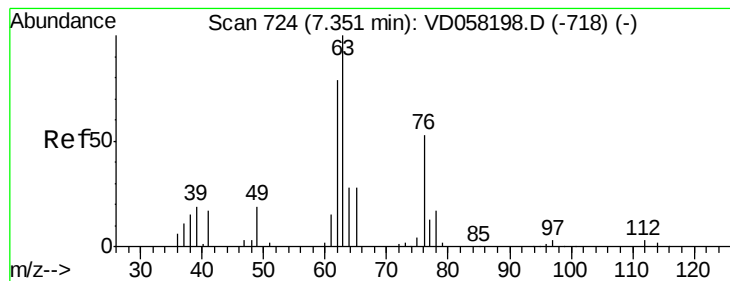
95 107.9 0.0 205.6



Abundance Ion 129.80 (129.50 to 130.50): V

Ion 94.90 (94.60 to 95.60): VDC





#45

1,2-Dichloropropane

Concen: 22.18 ug/l

RT: 7.35 min Scan# 724

Delta R.T. 0.00 min

Lab File: VD058208.D

Acq: 20 Jun 2018 14:23

Instrument :

MSVOA_D

ClientSampleId :

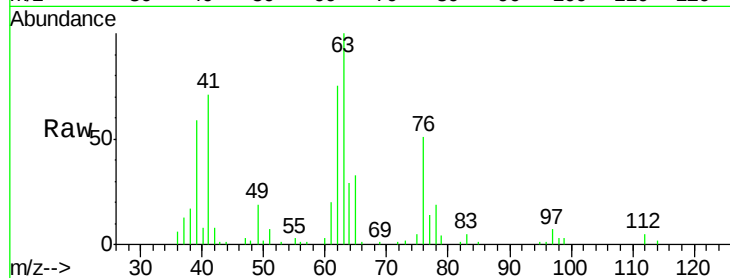
VD0620SBS02

Tot Ion: 63 Resp: 173077

Ion Ratio Lower Upper

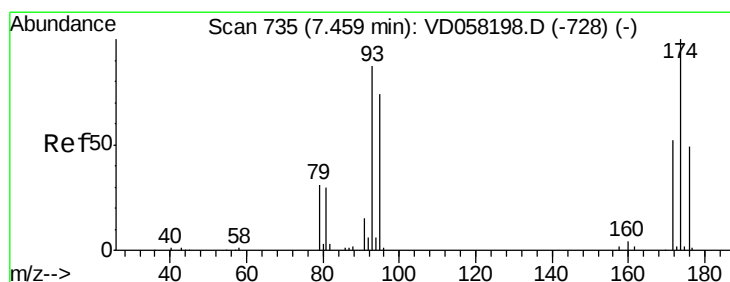
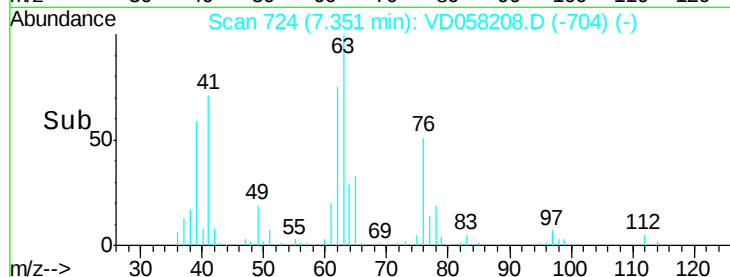
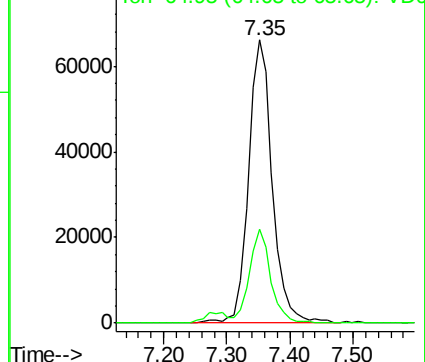
63 100

65 33.0 24.0 36.0



Abundance Ion 62.95 (62.65 to 63.65): VDC

Ion 64.95 (64.65 to 65.65): VDC



#46

Dibromomethane

Concen: 22.03 ug/l

RT: 7.47 min Scan# 736

Delta R.T. 0.01 min

Lab File: VD058208.D

Acq: 20 Jun 2018 14:23

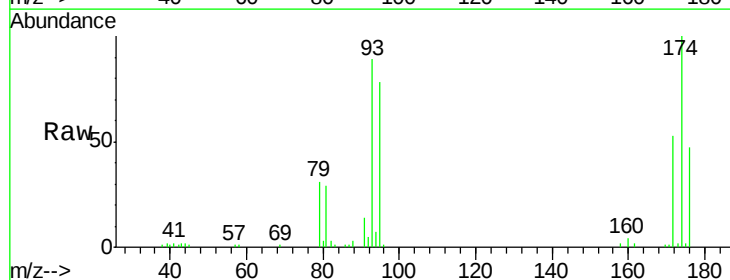
Tgt Ion: 93 Resp: 117340

Ion Ratio Lower Upper

93 100

95 88.2 67.8 101.6

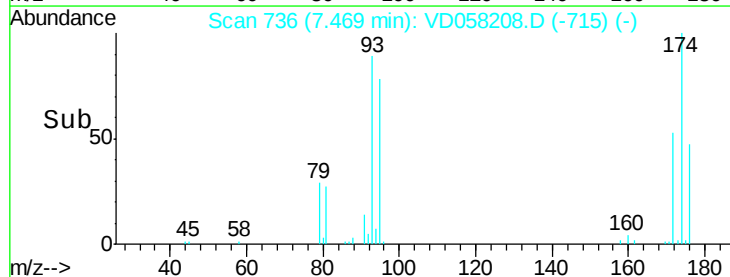
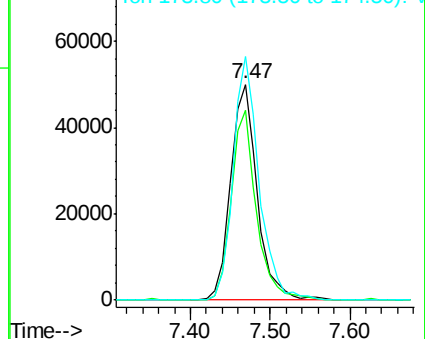
174 112.9 92.2 138.2

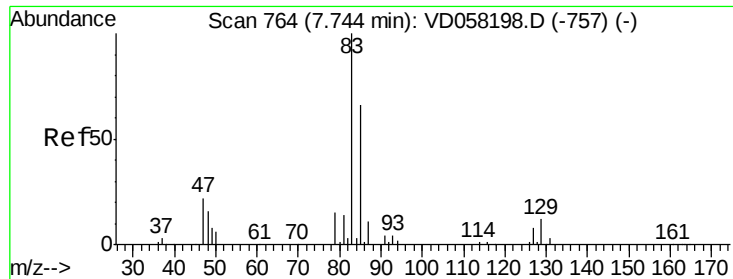


Abundance Ion 92.90 (92.60 to 93.60): VDC

Ion 94.90 (94.60 to 95.60): VDC

Ion 173.80 (173.50 to 174.50): V





#47

Bromodichloromethane

Concen: 21.89 ug/l

RT: 7.75 min Scan# 764

Delta R.T. 0.00 min

Lab File: VD058208.D

Acq: 20 Jun 2018 14:23

Instrument :

MSVOA_D

ClientSampleId :

VD0620SBS02

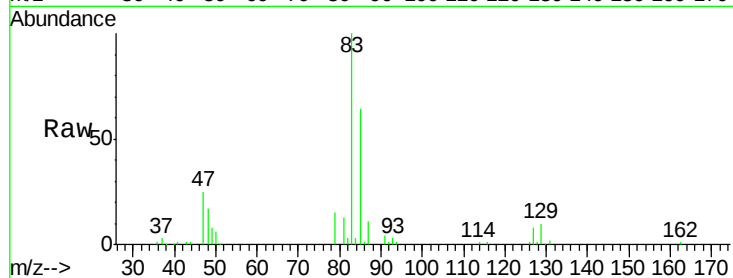
Tot Ion: 83 Resp: 265917

Ion Ratio Lower Upper

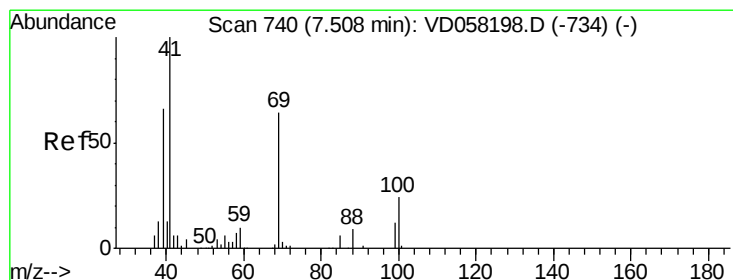
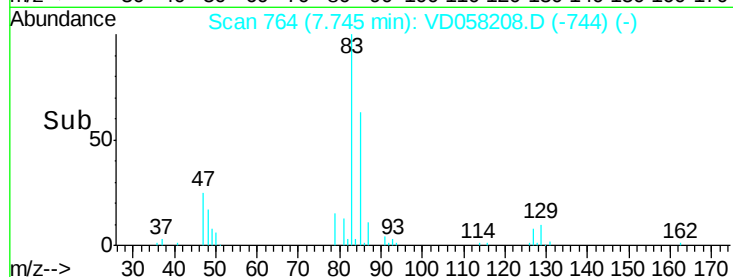
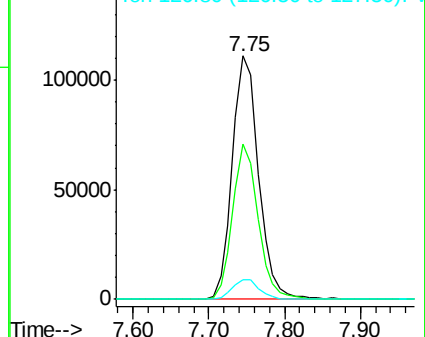
83 100

85 63.9 52.6 78.8

127 7.9 6.2 9.4



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



#48

Methyl methacrylate

Concen: 20.68 ug/l

RT: 7.51 min Scan# 740

Delta R.T. 0.00 min

Lab File: VD058208.D

Acq: 20 Jun 2018 14:23

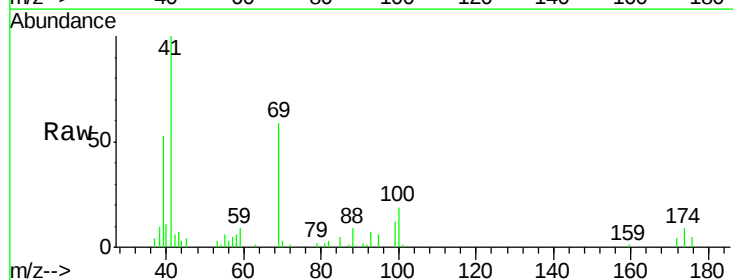
Tgt Ion: 41 Resp: 116116

Ion Ratio Lower Upper

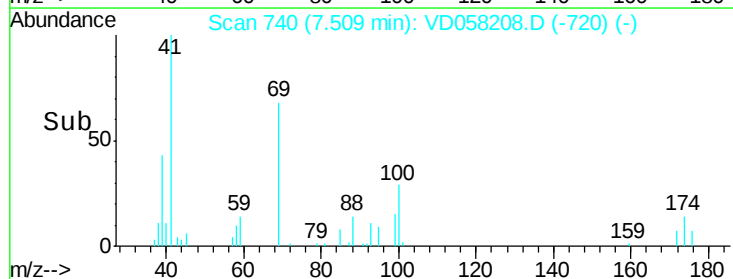
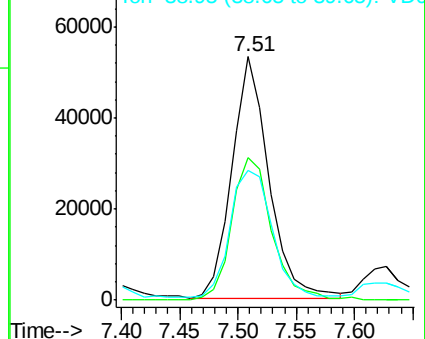
41 100

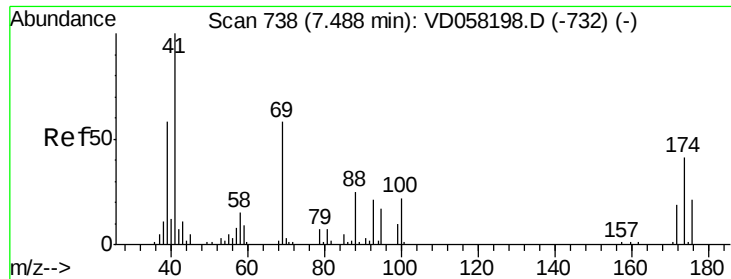
69 58.7 50.7 76.1

39 53.4 52.6 78.8



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

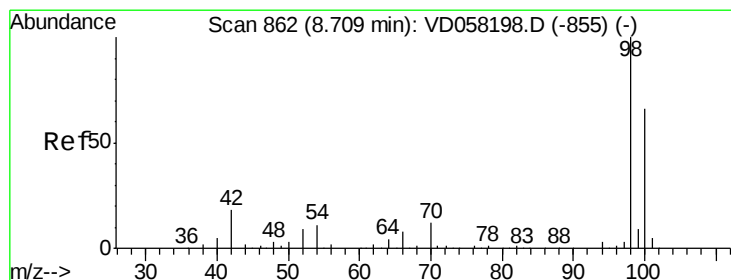
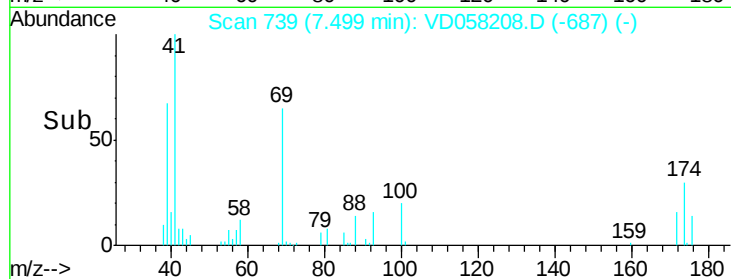
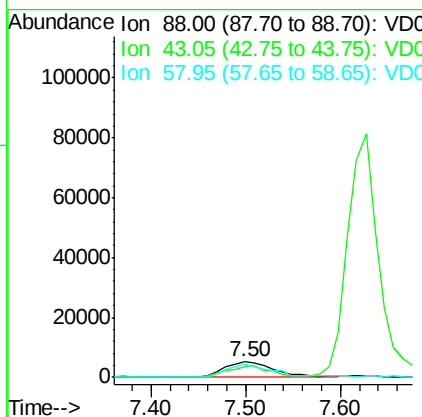
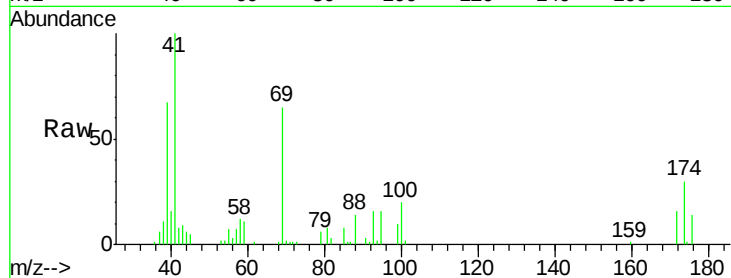




#49
1,4-Dioxane
Concen: 384.82 ug/l
RT: 7.50 min Scan# 739
Delta R.T. 0.01 min
Lab File: VD058208.D
Acq: 20 Jun 2018 14:23

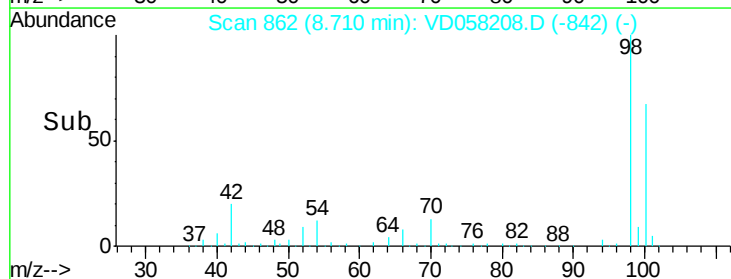
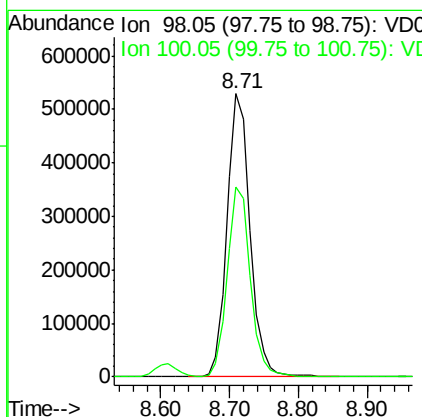
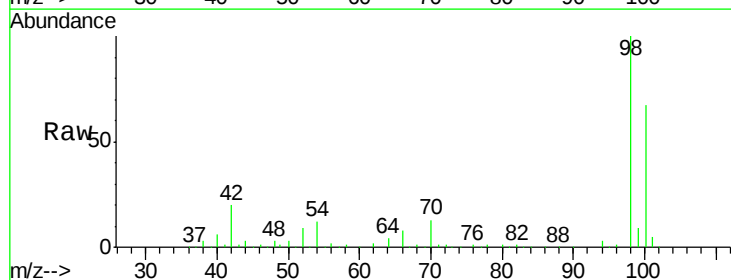
Instrument :
MSVOA_D
ClientSampleId :
VD0620SBS02

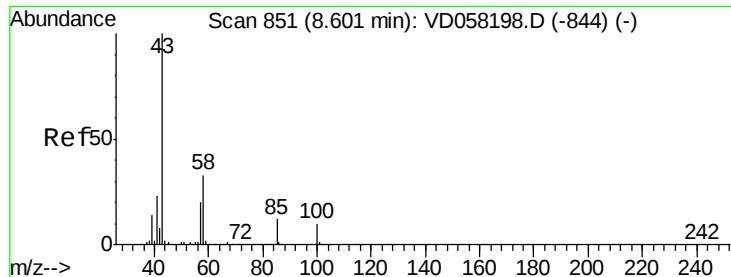
Tot Ion: 88 Resp: 19503
Ion Ratio Lower Upper
88 100
43 66.2 34.2 51.2#
58 84.2 47.9 71.9#



#50
Toluene-d8
Concen: 384.82 ug/l
RT: 8.71 min Scan# 862
Delta R.T. 0.00 min
Lab File: VD058208.D
Acq: 20 Jun 2018 14:23

Tgt Ion: 98 Resp: 1221582
Ion Ratio Lower Upper
98 100
100 67.2 53.6 80.4





#51

4-Methyl-2-Pentanone

Concen: 101.27 ug/l

RT: 8.60 min Scan# 851

Delta R.T. 0.00 min

Lab File: VD058208.D

Acq: 20 Jun 2018 14:23

Instrument :

MSVOA_D

ClientSampleId :

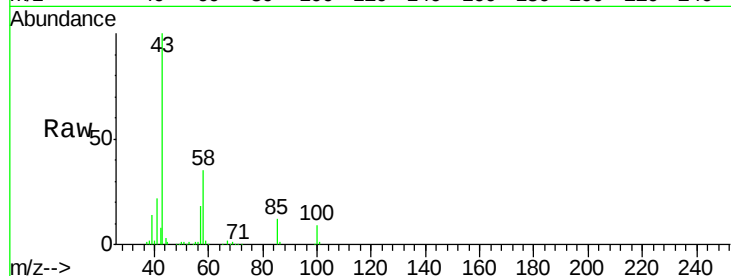
VD0620SBS02

Tot Ion: 43 Resp: 610207

Ion Ratio Lower Upper

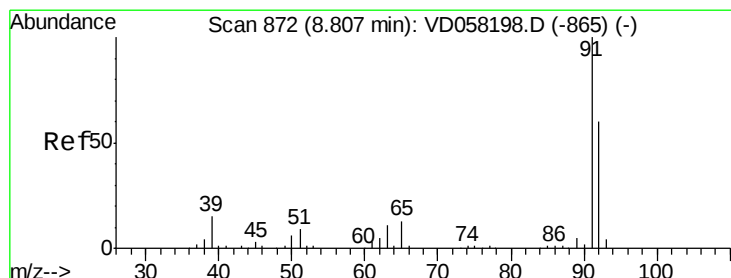
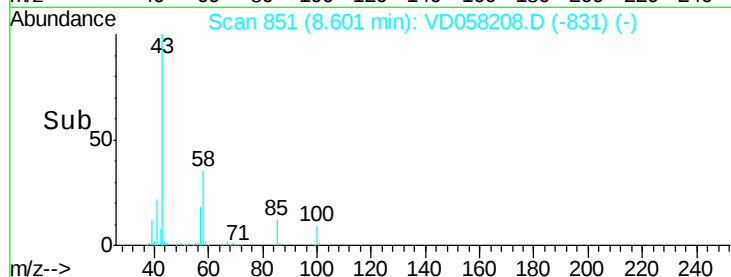
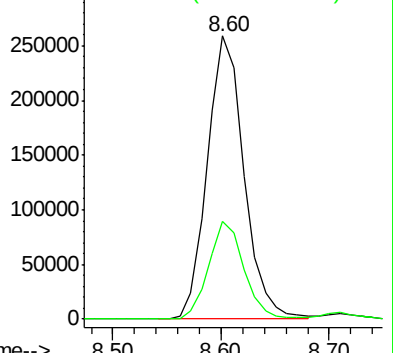
43 100

58 34.5 26.7 40.1



Abundance Ion 42.95 (42.65 to 43.65): VDC

Ion 57.95 (57.65 to 58.65): VDC



#52

Toluene

Concen: 22.97 ug/l

RT: 8.81 min Scan# 872

Delta R.T. 0.00 min

Lab File: VD058208.D

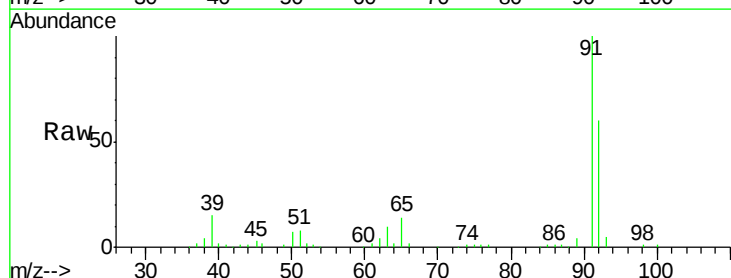
Acq: 20 Jun 2018 14:23

Tgt Ion: 92 Resp: 378887

Ion Ratio Lower Upper

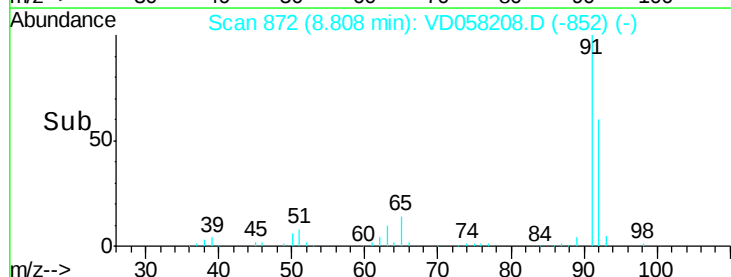
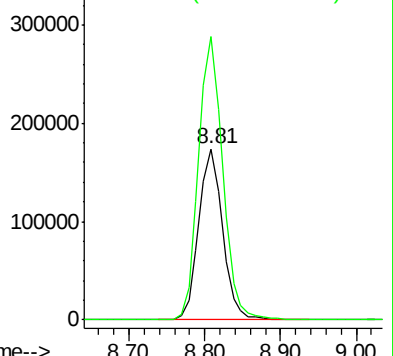
92 100

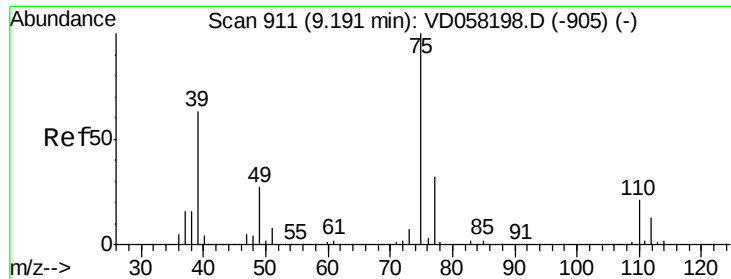
91 165.7 133.2 199.8



Abundance Ion 92.00 (91.70 to 92.70): VDC

Ion 91.00 (90.70 to 91.70): VDC

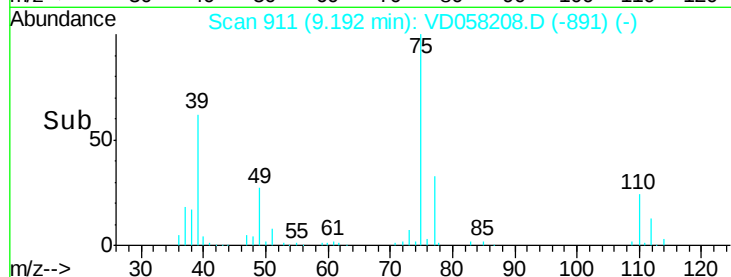
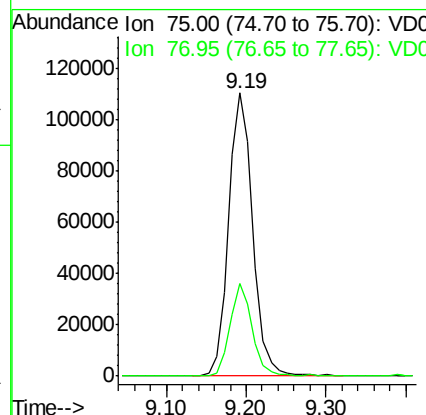
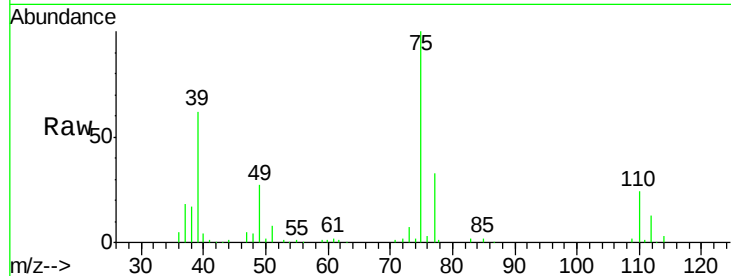




#53
 t-1,3-Dichloropropene
 Concen: 22.16 ug/l
 RT: 9.19 min Scan# 911
 Delta R.T. 0.00 min
 Lab File: VD058208.D
 Acq: 20 Jun 2018 14:23

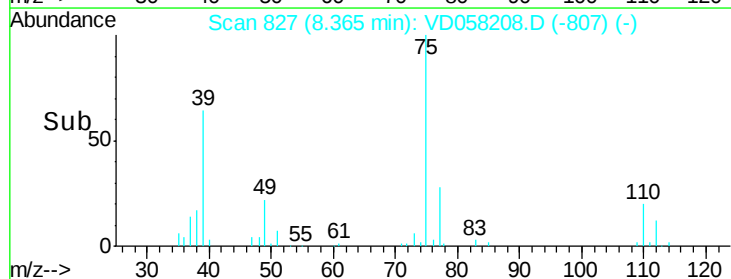
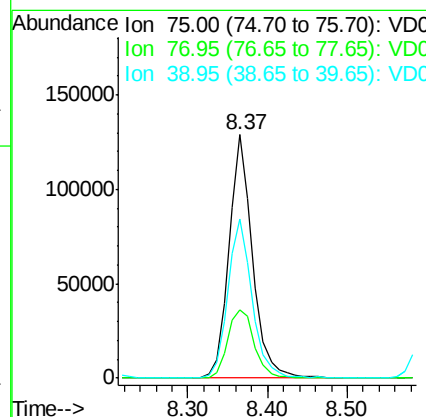
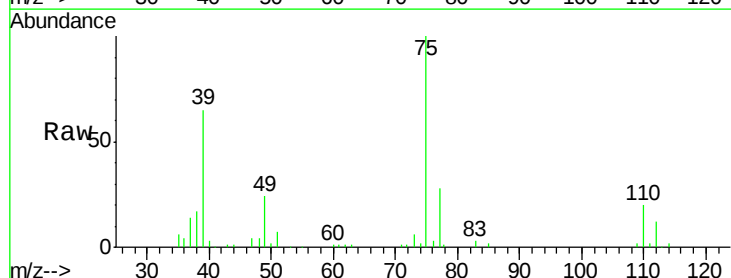
Instrument :
 MSVOA_D
 ClientSampleId :
 VD0620SBS02

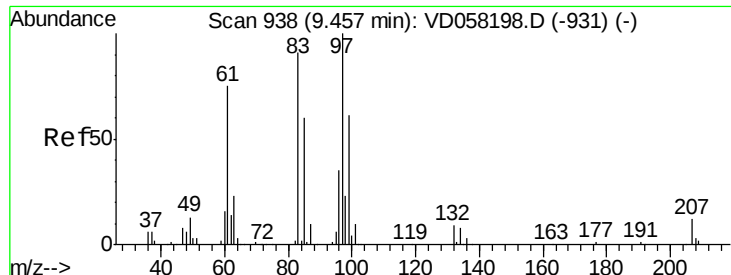
Tot Ion: 75 Resp: 234038
 Ion Ratio Lower Upper
 75 100
 77 32.7 25.8 38.8



#54
 cis-1,3-Dichloropropene
 Concen: 21.54 ug/l
 RT: 8.37 min Scan# 827
 Delta R.T. 0.00 min
 Lab File: VD058208.D
 Acq: 20 Jun 2018 14:23

Tgt Ion: 75 Resp: 266657
 Ion Ratio Lower Upper
 75 100
 77 28.0 26.5 39.7
 39 65.3 52.9 79.3

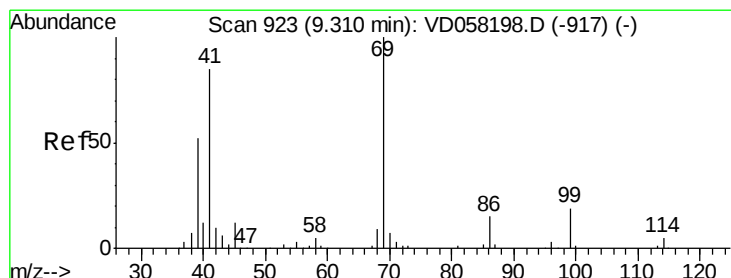
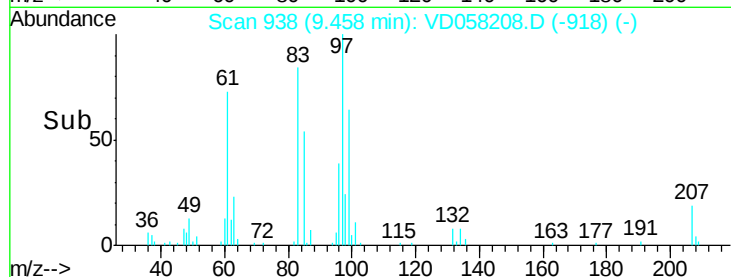
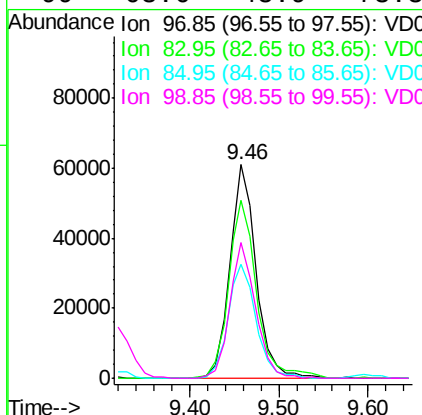
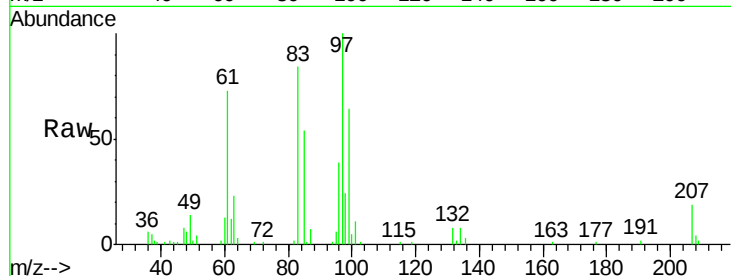




#55
 1,1,2-Trichloroethane
 Concen: 21.58 ug/l
 RT: 9.46 min Scan# 938
 Delta R.T. 0.00 min
 Lab File: VD058208.D
 Acq: 20 Jun 2018 14:23

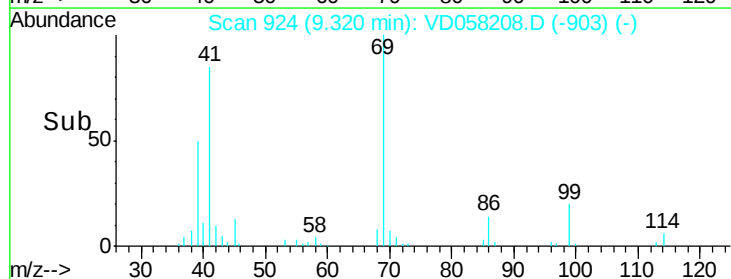
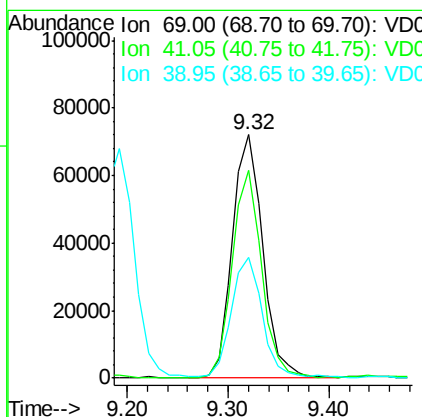
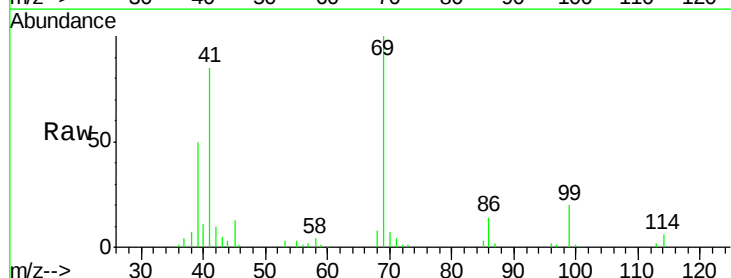
Instrument :
 MSVOA_D
 ClientSampleId :
 VD0620SBS02

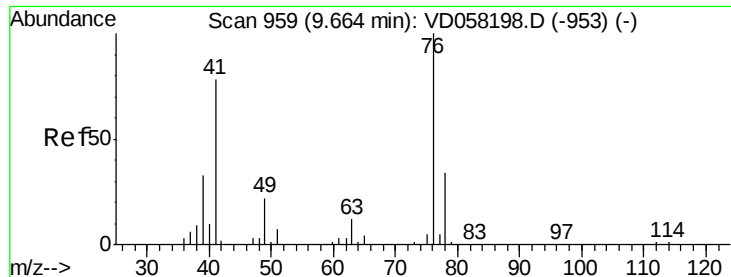
Tot Ion:	97	Resp:	125942
Ion	Ratio	Lower	Upper
97	100		
83	83.5	72.9	109.3
85	53.6	48.2	72.4
99	63.6	48.9	73.3



#56
 Ethyl methacrylate
 Concen: 21.72 ug/l
 RT: 9.32 min Scan# 924
 Delta R.T. 0.01 min
 Lab File: VD058208.D
 Acq: 20 Jun 2018 14:23

Tgt Ion:	69	Resp:	151629
Ion	Ratio	Lower	Upper
69	100		
41	85.1	67.6	101.4
39	49.7	42.2	63.2





#57

1,3-Dichloropropane

Concen: 21.53 ug/l

RT: 9.66 min Scan# 959

Delta R.T. 0.00 min

Lab File: VD058208.D

Acq: 20 Jun 2018 14:23

Instrument :

MSVOA_D

ClientSampleId :

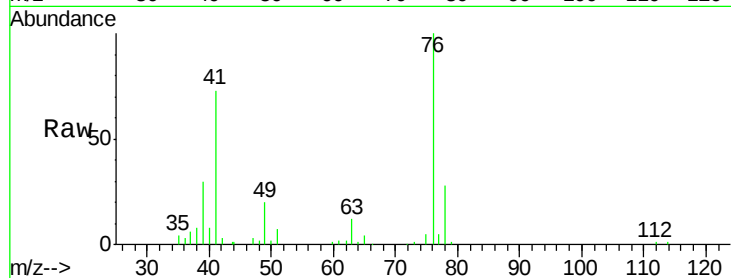
VD0620SBS02

Tot Ion: 76 Resp: 211620

Ion Ratio Lower Upper

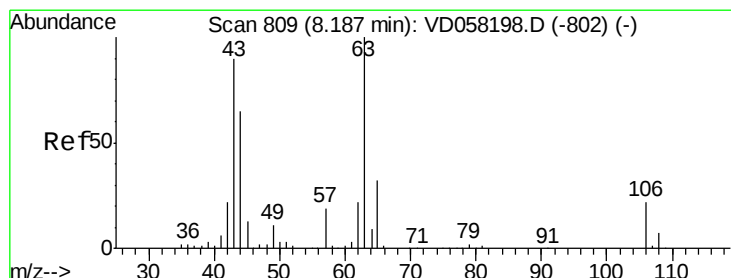
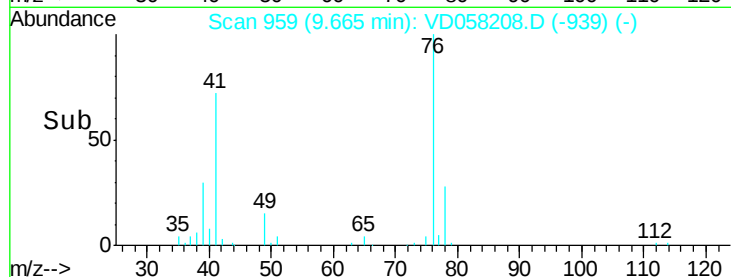
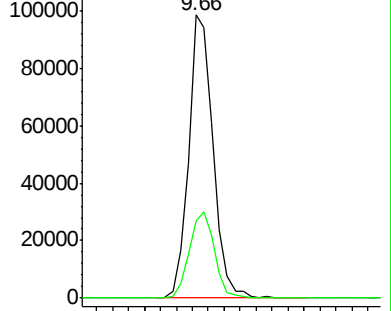
76 100

78 27.5 27.0 40.6



Abundance Ion 75.95 (75.65 to 76.65): VDC

Ion 77.95 (77.65 to 78.65): VDC



#58

2-Chloroethyl Vinyl ether

Concen: 110.34 ug/l

RT: 8.19 min Scan# 809

Delta R.T. 0.00 min

Lab File: VD058208.D

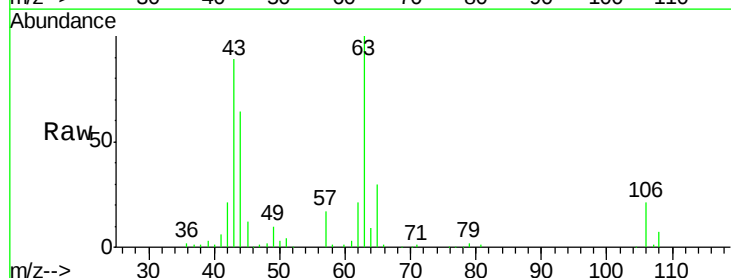
Acq: 20 Jun 2018 14:23

Tgt Ion: 63 Resp: 381241

Ion Ratio Lower Upper

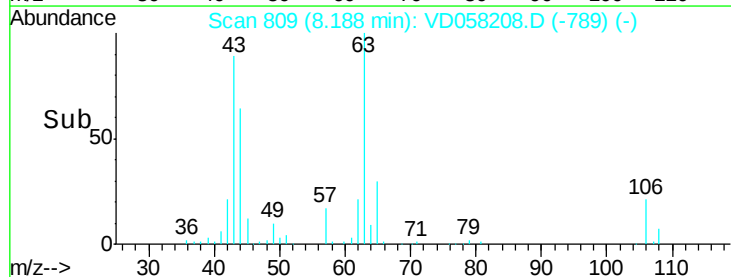
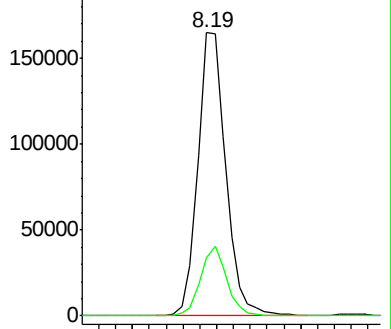
63 100

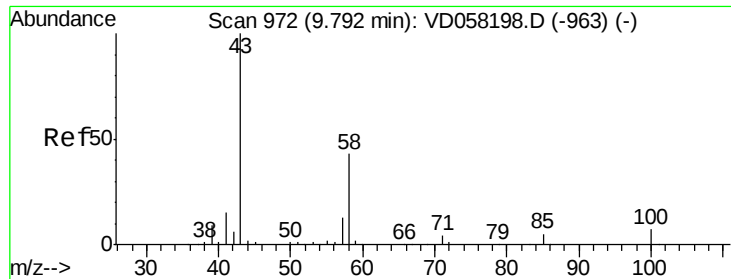
106 20.5 18.0 27.0



Abundance Ion 62.95 (62.65 to 63.65): VDC

Ion 105.95 (105.65 to 106.65): V

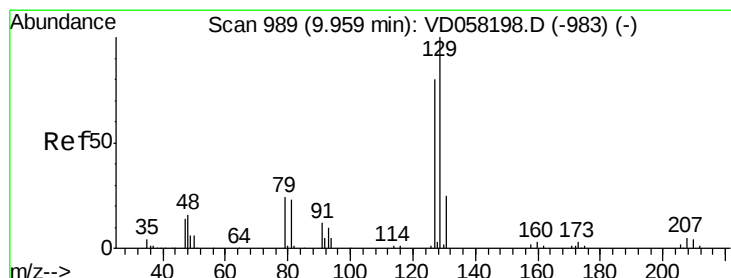
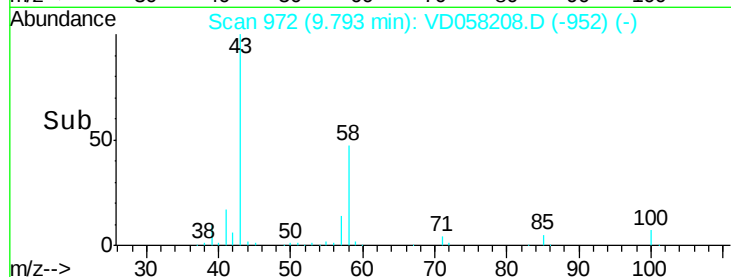
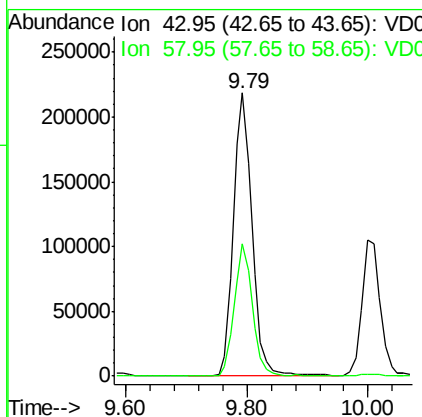
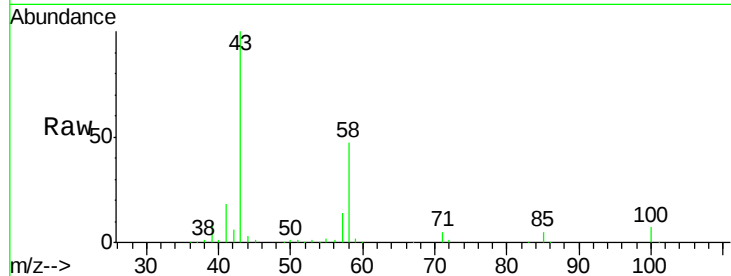




#59
2-Hexanone
Concen: 107.55 ug/l
RT: 9.79 min Scan# 972
Delta R.T. 0.00 min
Lab File: VD058208.D
Acq: 20 Jun 2018 14:23

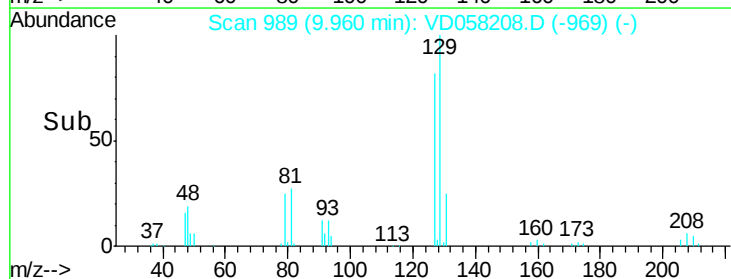
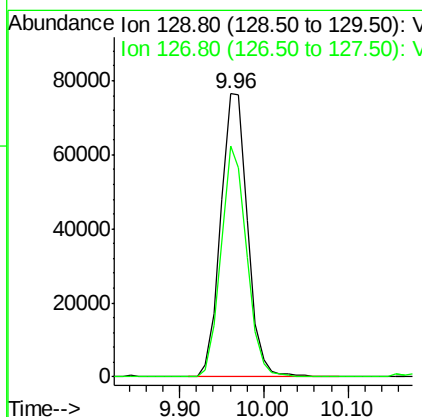
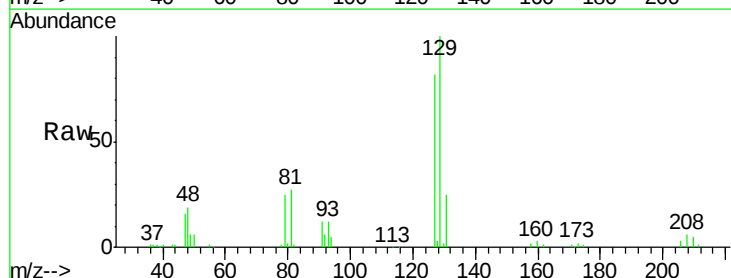
Instrument :
MSVOA_D
ClientSampleId :
VD0620SBS02

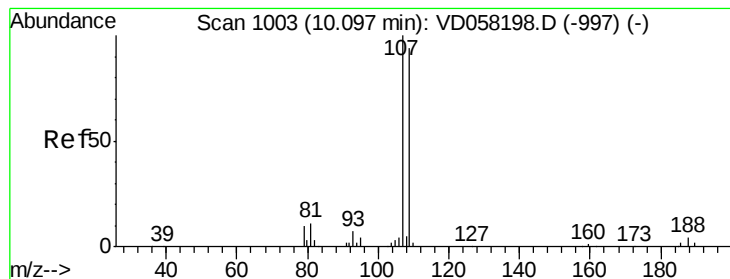
Tot Ion: 43 Resp: 468281
Ion Ratio Lower Upper
43 100
58 46.6 21.7 65.1



#60
Dibromochloromethane
Concen: 21.35 ug/l
RT: 9.96 min Scan# 989
Delta R.T. 0.00 min
Lab File: VD058208.D
Acq: 20 Jun 2018 14:23

Tgt Ion:129 Resp: 169082
Ion Ratio Lower Upper
129 100
127 81.5 39.8 119.4





#61

1,2-Dibromoethane

Concen: 22.16 ug/l

RT: 10.10 min Scan# 1003

Delta R.T. 0.00 min

Lab File: VD058208.D

Acq: 20 Jun 2018 14:23

Instrument :

MSVOA_D

ClientSampleId :

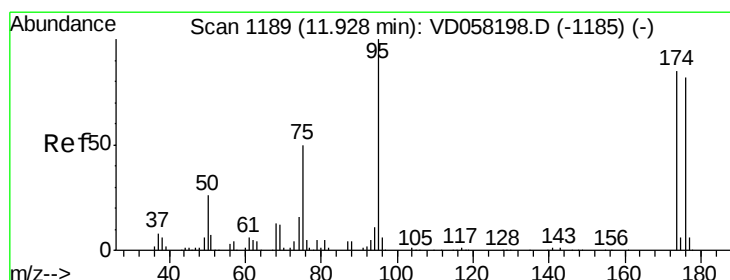
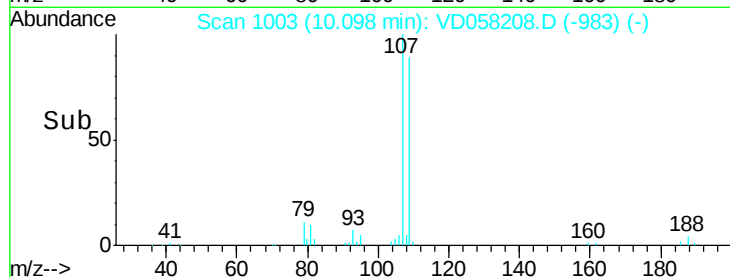
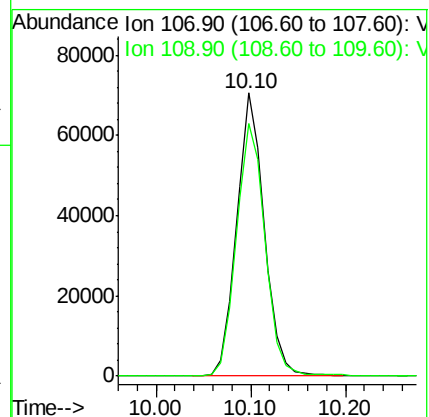
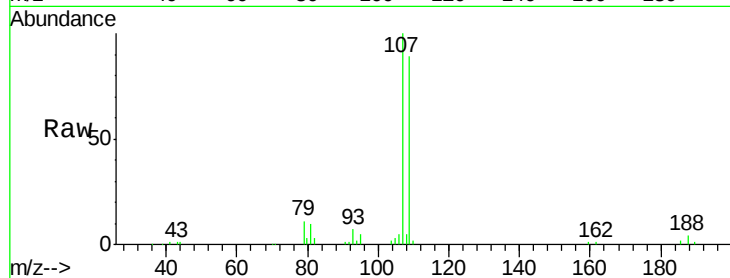
VD0620SBS02

Tot Ion:107 Resp: 141546

Ion Ratio Lower Upper

107 100

109 89.1 74.8 112.2



#62

4-Bromofluorobenzene

Concen: 22.16 ug/l

RT: 11.94 min Scan# 1190

Delta R.T. 0.01 min

Lab File: VD058208.D

Acq: 20 Jun 2018 14:23

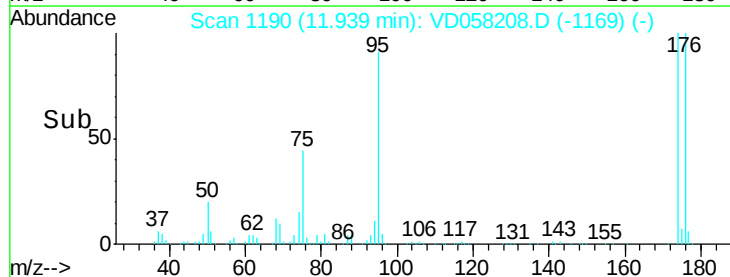
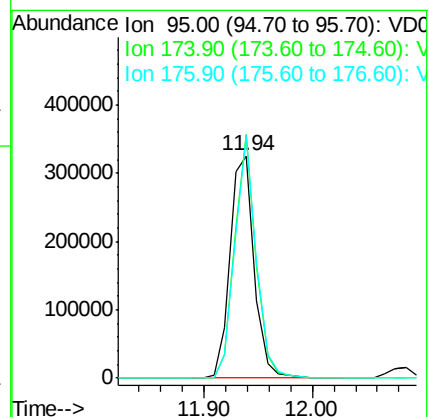
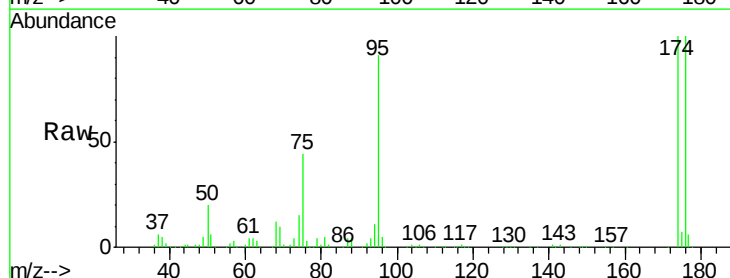
Tgt Ion: 95 Resp: 505243

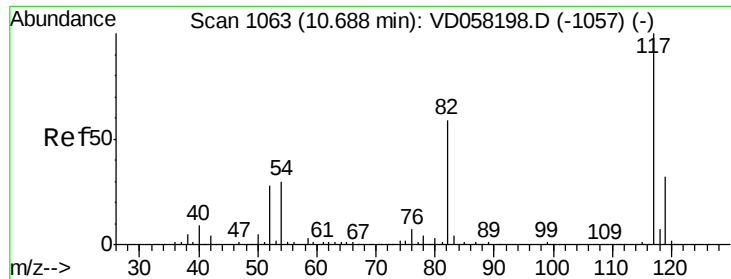
Ion Ratio Lower Upper

95 100

174 109.4 0.0 170.2

176 109.0 0.0 164.6

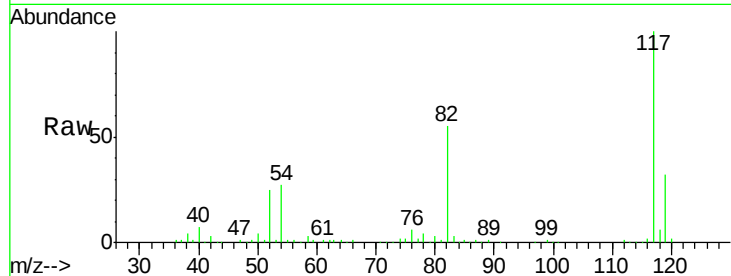




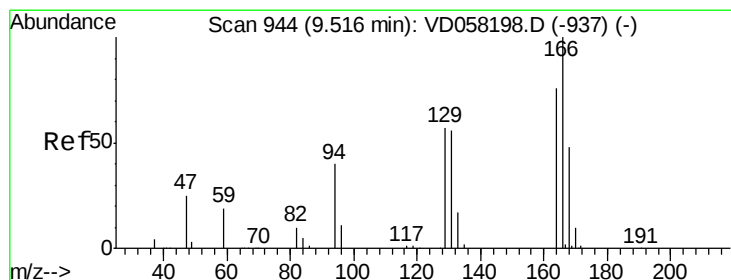
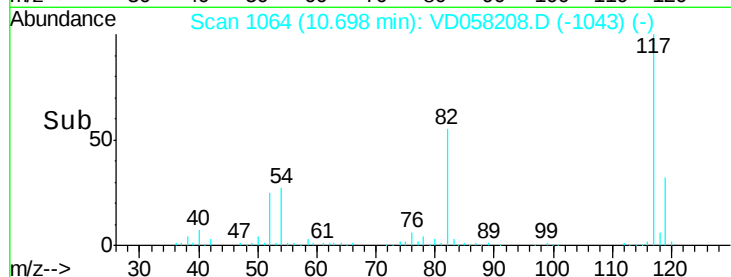
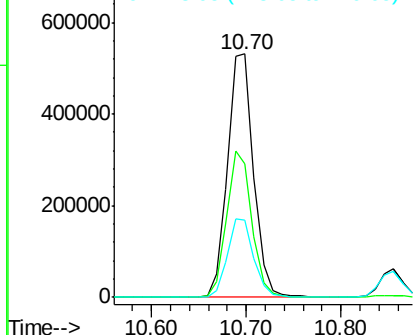
#63
Chlorobenzene-d5
Concen: 50.00 ug/l
RT: 10.70 min Scan# 1064
Delta R.T. 0.01 min
Lab File: VD058208.D
Acq: 20 Jun 2018 14:23

Instrument :
MSVOA_D
ClientSampleId :
VD0620SBS02

Tot Ion:117 Resp: 1012941
Ion Ratio Lower Upper
117 100
82 55.0 47.0 70.6
119 31.9 25.3 37.9



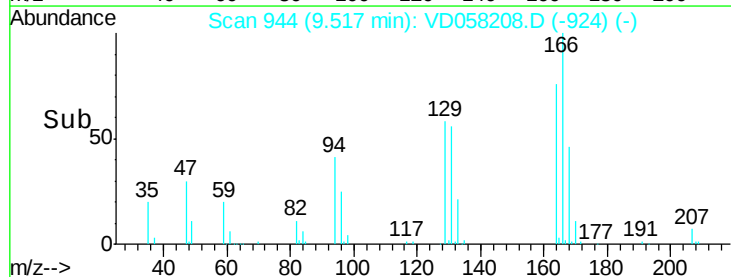
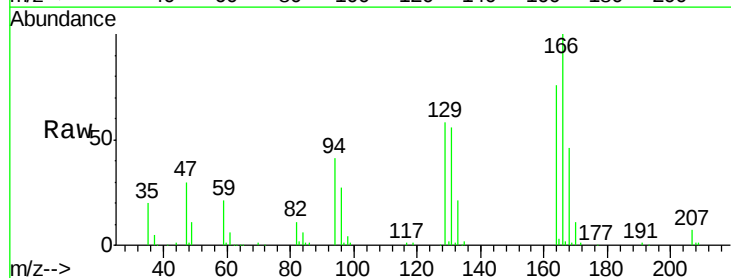
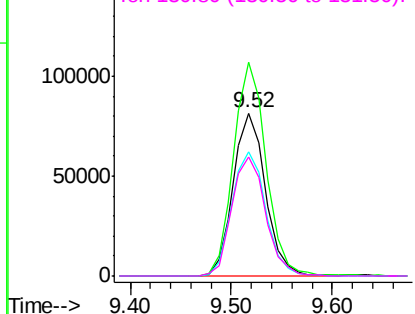
Abundance Ion 116.95 (116.65 to 117.65): V
Ion 82.05 (81.75 to 82.75): V
Ion 118.95 (118.65 to 119.65): V

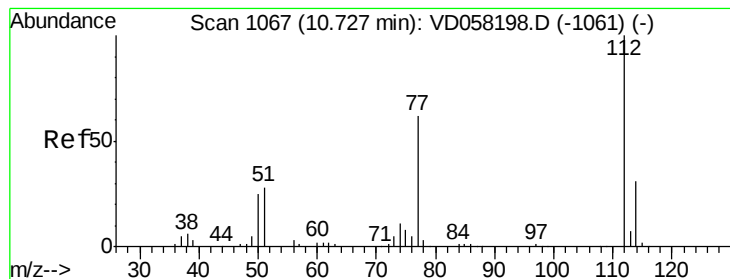


#64
Tetrachloroethene
Concen: 21.28 ug/l
RT: 9.52 min Scan# 944
Delta R.T. 0.00 min
Lab File: VD058208.D
Acq: 20 Jun 2018 14:23

Tgt Ion:164 Resp: 181345
Ion Ratio Lower Upper
164 100
166 131.3 105.4 158.0
129 76.6 59.6 89.4
131 73.4 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: 22.54 ug/l

RT: 10.73 min Scan# 1067

Delta R.T. 0.00 min

Lab File: VD058208.D

Acq: 20 Jun 2018 14:23

Instrument :

MSVOA_D

ClientSampleId :

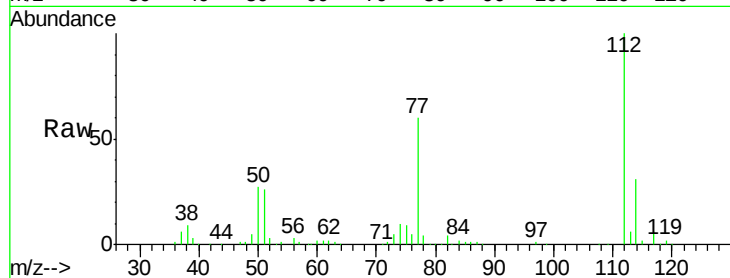
VD0620SBS02

Tot Ion:112 Resp: 427041

Ion Ratio Lower Upper

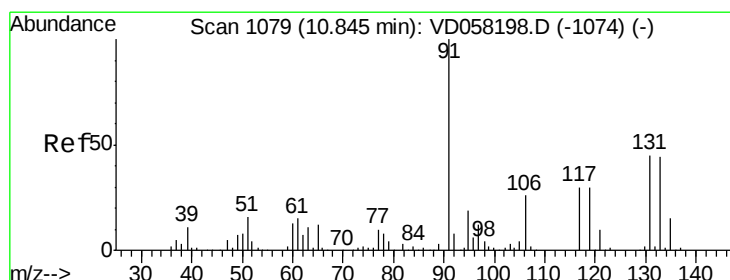
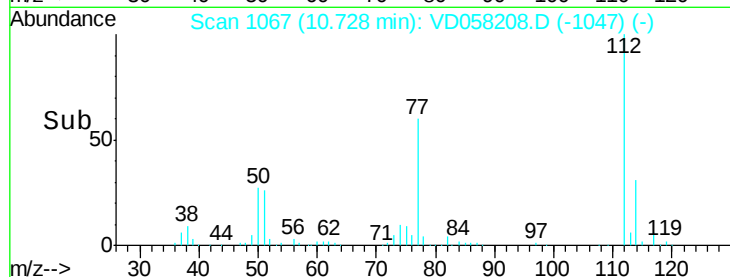
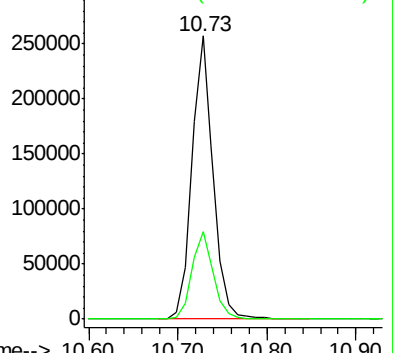
112 100

114 30.9 25.0 37.4



Abundance Ion 111.90 (111.60 to 112.60): V

Ion 114.00 (113.70 to 114.70): V



#66

1,1,1,2-Tetrachloroethane

Concen: 20.93 ug/l

RT: 10.86 min Scan# 1080

Delta R.T. 0.01 min

Lab File: VD058208.D

Acq: 20 Jun 2018 14:23

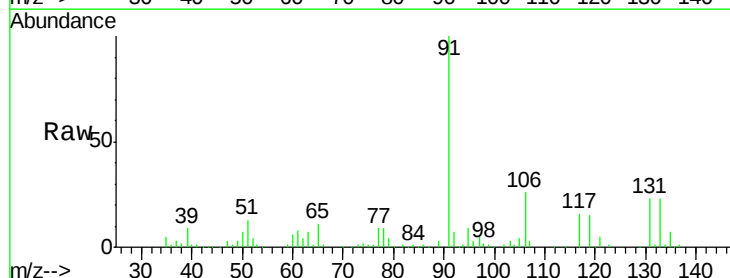
Tgt Ion:131 Resp: 153027

Ion Ratio Lower Upper

131 100

133 97.4 48.6 145.9

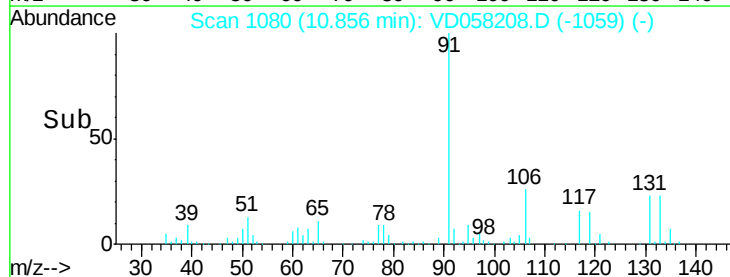
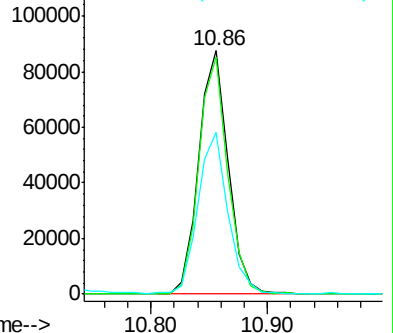
119 66.4 33.0 99.0



Abundance Ion 130.90 (130.60 to 131.60): V

Ion 132.90 (132.60 to 133.60): V

Ion 118.85 (118.55 to 119.55): V

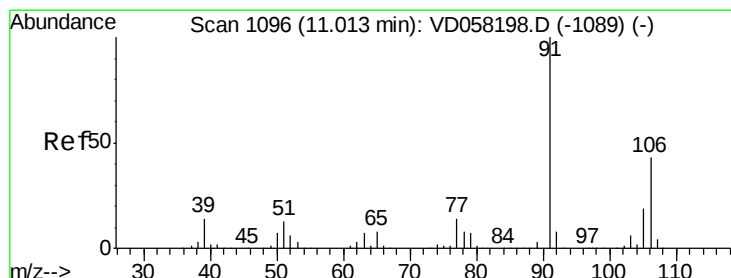
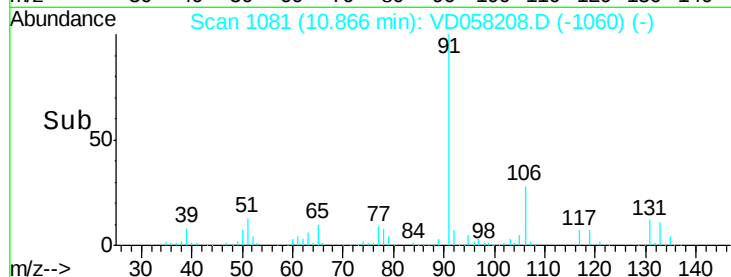
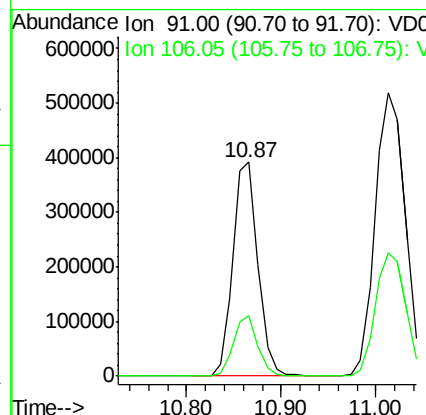
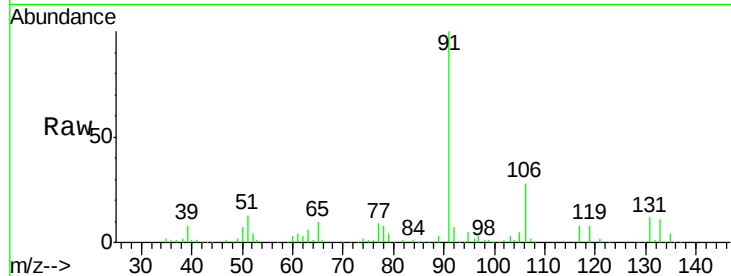




#67
Ethyl Benzene
Concen: 21.39 ug/l
RT: 10.87 min Scan# 1081
Delta R.T. 0.01 min
Lab File: VD058208.D
Acq: 20 Jun 2018 14:23

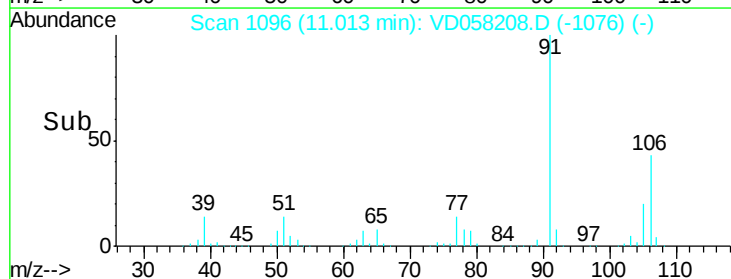
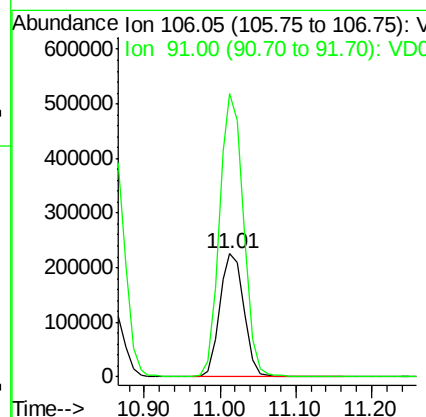
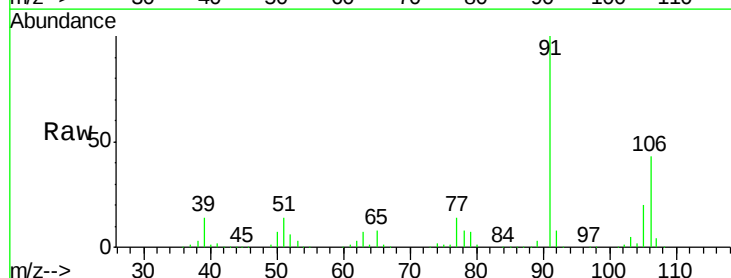
Instrument :
MSVOA_D
ClientSampleId :
VD0620SBS02

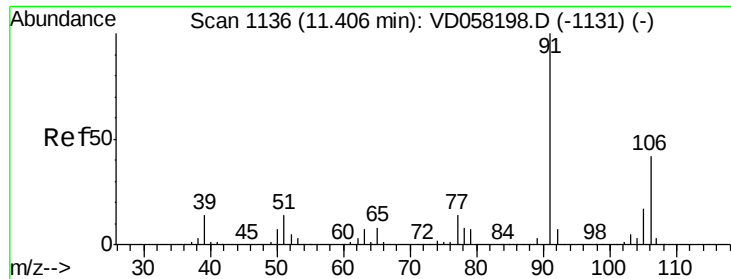
Tot Ion: 91 Resp: 715611
Ion Ratio Lower Upper
91 100
106 28.5 22.0 33.0



#68
m/p-Xylenes
Concen: 45.39 ug/l
RT: 11.01 min Scan# 1096
Delta R.T. 0.00 min
Lab File: VD058208.D
Acq: 20 Jun 2018 14:23

Tgt Ion: 106 Resp: 506380
Ion Ratio Lower Upper
106 100
91 230.2 185.0 277.6

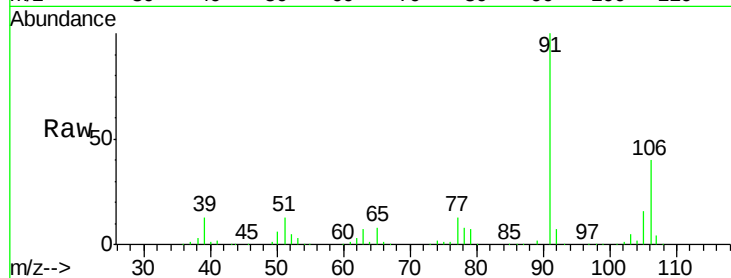




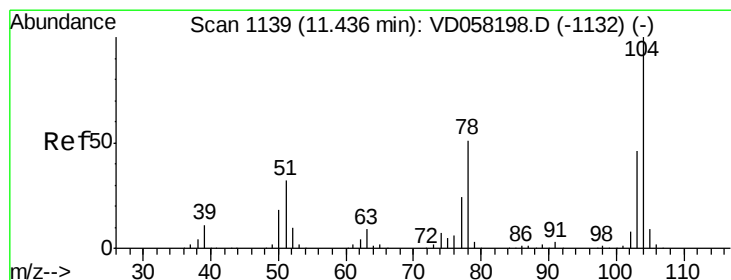
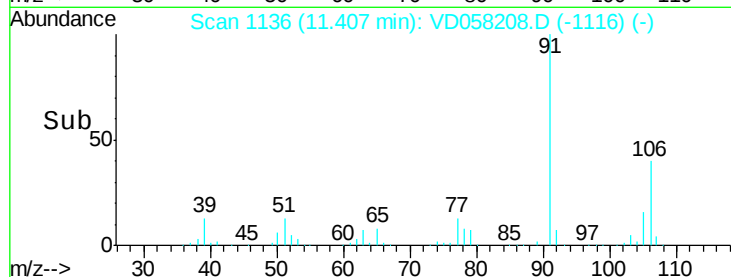
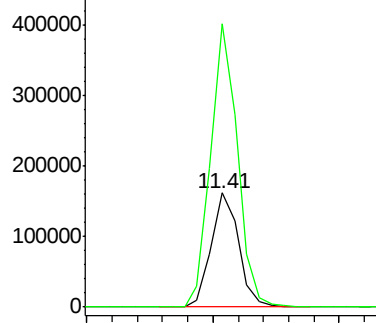
#69
o-Xylene
Concen: 22.84 ug/l
RT: 11.41 min Scan# 1136
Delta R.T. 0.00 min
Lab File: VD058208.D
Acq: 20 Jun 2018 14:23

Instrument :
MSVOA_D
ClientSampleId :
VD0620SBS02

Tot Ion:106 Resp: 243305
Ion Ratio Lower Upper
106 100
91 247.8 120.2 360.6

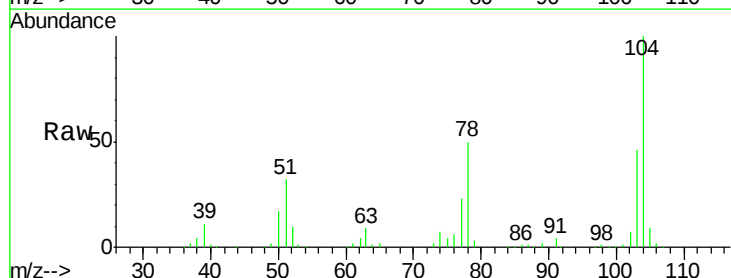


Abundance Ion 106.05 (105.75 to 106.75): V
Ion 91.00 (90.70 to 91.70): VDC

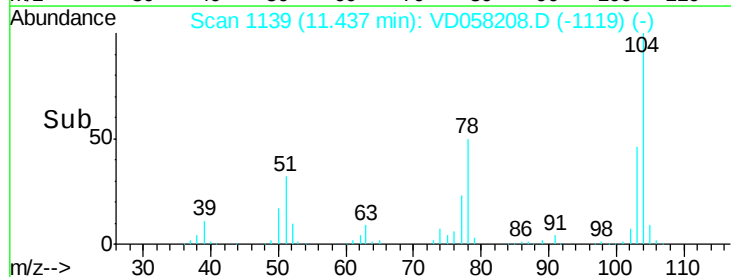
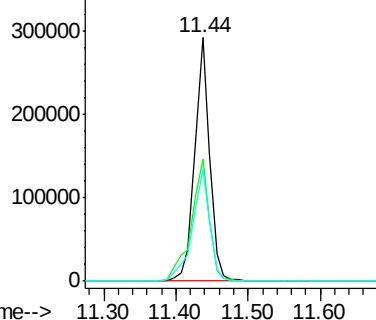


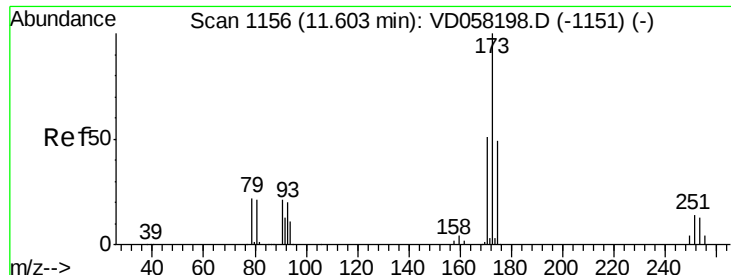
#70
Styrene
Concen: 22.90 ug/l
RT: 11.44 min Scan# 1139
Delta R.T. 0.00 min
Lab File: VD058208.D
Acq: 20 Jun 2018 14:23

Tgt Ion:104 Resp: 416427
Ion Ratio Lower Upper
104 100
78 50.0 40.8 61.2
103 46.0 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

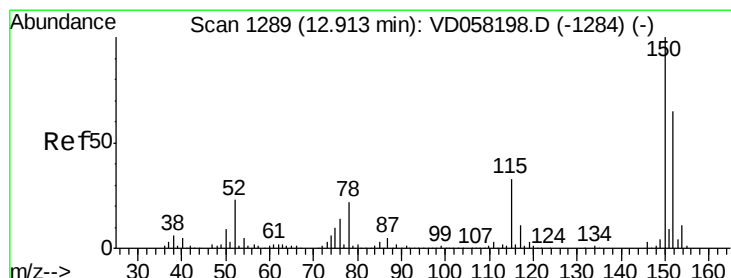
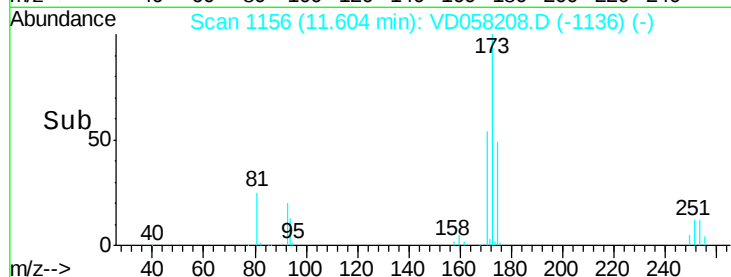
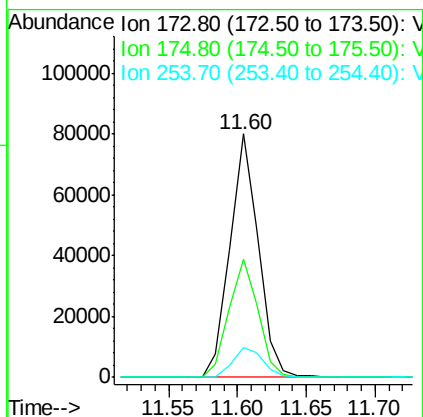
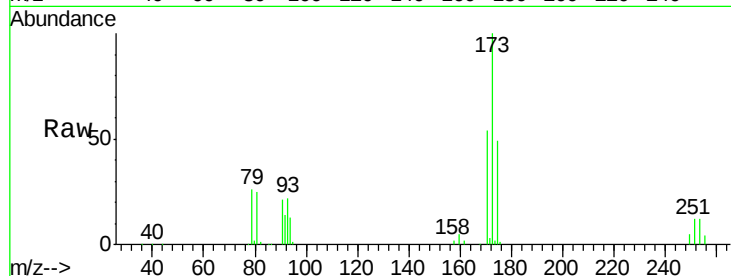




#71
Bromoform
Concen: 19.68 ug/l
RT: 11.60 min Scan# 1156
Delta R.T. 0.00 min
Lab File: VD058208.D
Acq: 20 Jun 2018 14:23

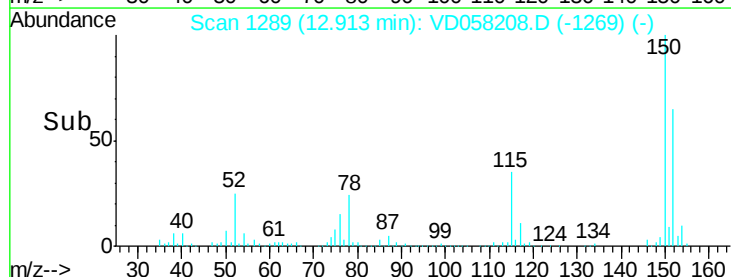
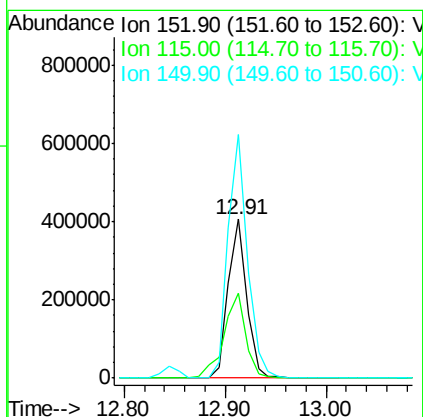
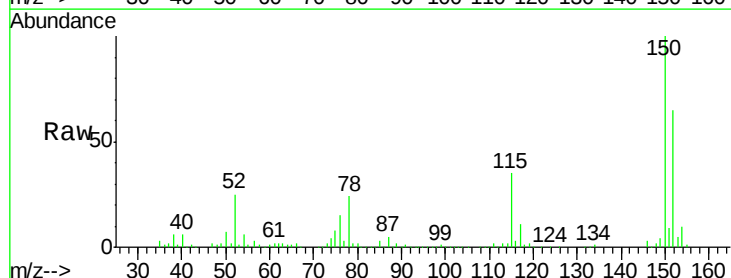
Instrument :
MSVOA_D
ClientSampleId :
VD0620SBS02

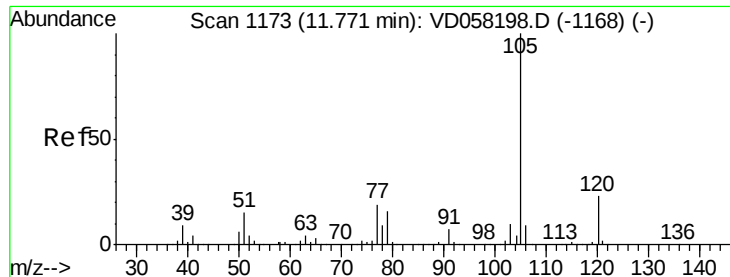
Tot Ion:173 Resp: 114800
Ion Ratio Lower Upper
173 100
175 48.8 24.6 74.0
254 12.4 10.3 15.5



#72
1,4-Dichlorobenzene-d4
Concen: 50.00 ug/l
RT: 12.91 min Scan# 1289
Delta R.T. 0.00 min
Lab File: VD058208.D
Acq: 20 Jun 2018 14:23

Tgt Ion:152 Resp: 517078
Ion Ratio Lower Upper
152 100
115 53.8 25.1 75.3
150 153.4 0.0 308.8





#73

Isopropylbenzene

Concen: 22.56 ug/l

RT: 11.78 min Scan# 1174

Delta R.T. 0.01 min

Lab File: VD058208.D

Acq: 20 Jun 2018 14:23

Instrument :

MSVOA_D

ClientSampleId :

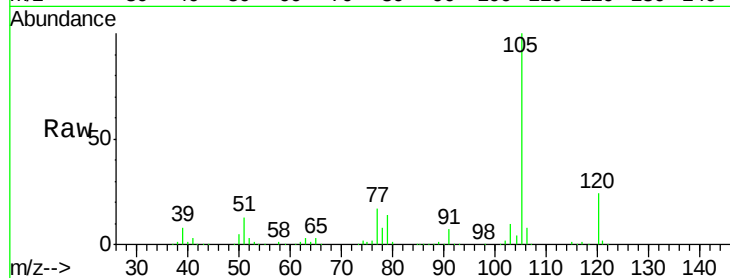
VD0620SBS02

Tot Ion:105 Resp: 697827

Ion Ratio Lower Upper

105 100

120 23.5 11.6 34.8



Abundance Ion 105.05 (104.75 to 105.75): V

Ion 120.05 (119.75 to 120.75): V

11.78

400000

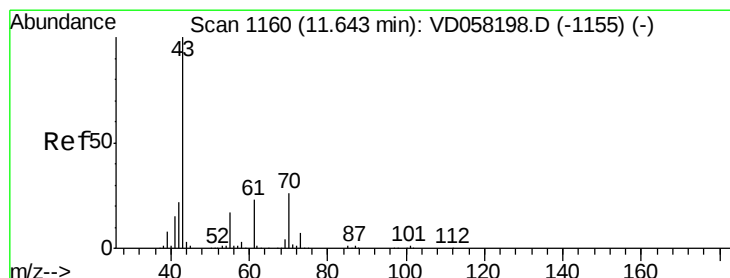
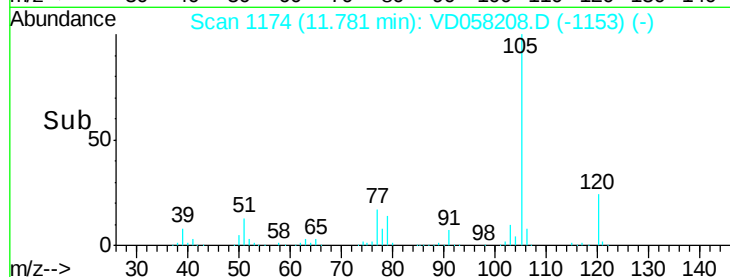
300000

200000

100000

0

Time-->



#74

N-ethyl acetate

Concen: 19.90 ug/l

RT: 11.65 min Scan# 1161

Delta R.T. 0.01 min

Lab File: VD058208.D

Acq: 20 Jun 2018 14:23

Tgt Ion: 43 Resp: 238026

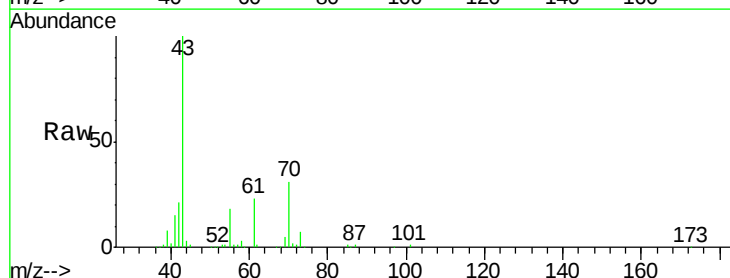
Ion Ratio Lower Upper

43 100

70 31.1 20.9 31.3

55 18.0 13.5 20.3

61 23.0 18.2 27.2



Abundance Ion 42.95 (42.65 to 43.65): VDC

Ion 70.00 (69.70 to 70.70): VDC

Ion 55.00 (54.70 to 55.70): VDC

Ion 60.95 (60.65 to 61.65): VDC

11.65

250000

200000

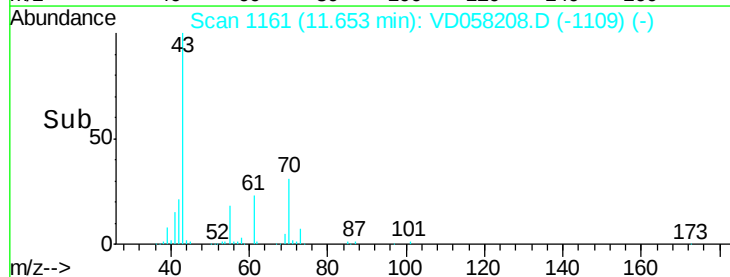
150000

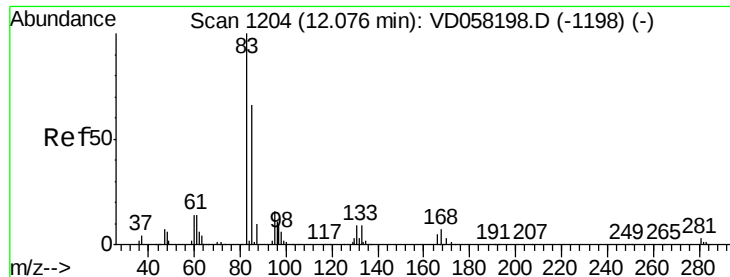
100000

50000

0

Time-->





#75

1,1,2,2-Tetrachloroethane

Concen: 20.38 ug/l

RT: 12.08 min Scan# 1204

Delta R.T. 0.00 min

Lab File: VD058208.D

Acq: 20 Jun 2018 14:23

Instrument :

MSVOA_D

ClientSampleId :

VD0620SBS02

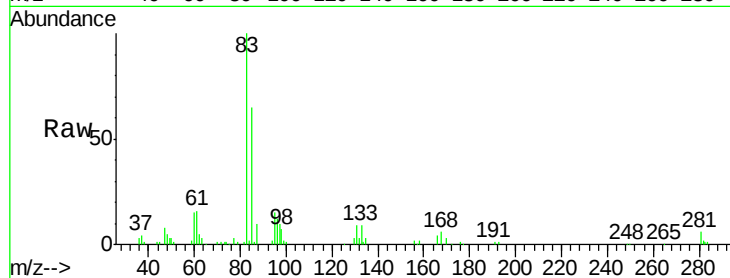
Tot Ion: 83 Resp: 146666

Ion	Ratio	Lower	Upper
83	100		
131	8.8	4.8	14.3
85	64.9	33.1	99.5

83 100

131 8.8 4.8 14.3

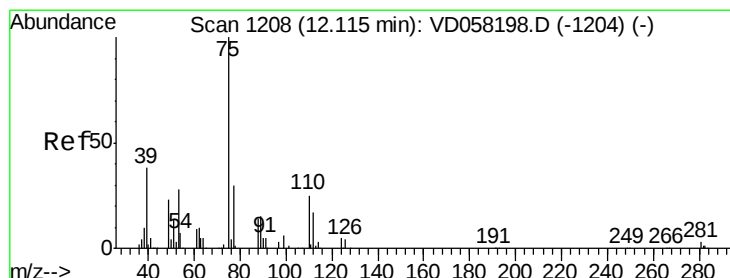
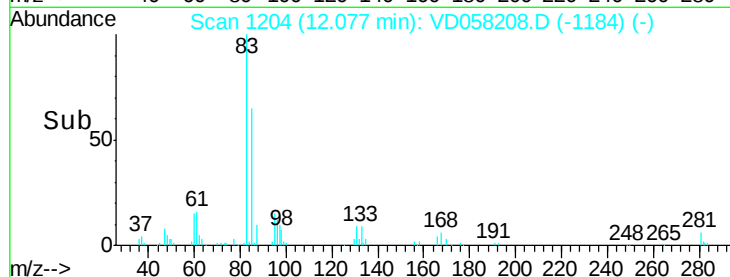
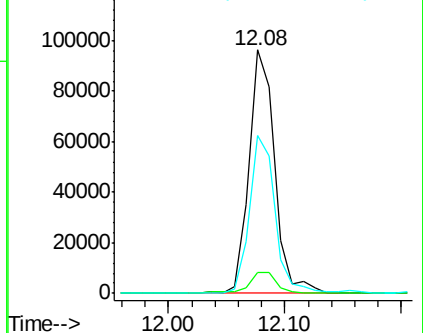
85 64.9 33.1 99.5



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: 21.07 ug/l

RT: 12.12 min Scan# 1208

Delta R.T. 0.00 min

Lab File: VD058208.D

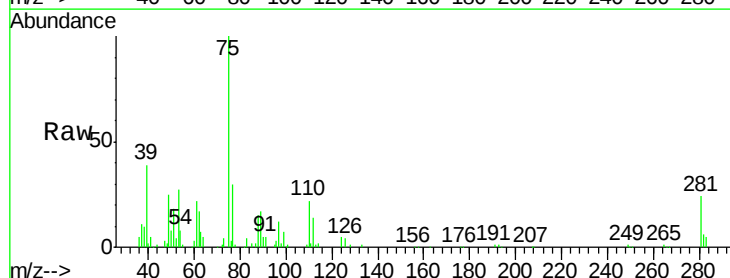
Acq: 20 Jun 2018 14:23

Tgt Ion: 75 Resp: 159051

Ion	Ratio	Lower	Upper
75	100		
77	29.8	16.0	47.9

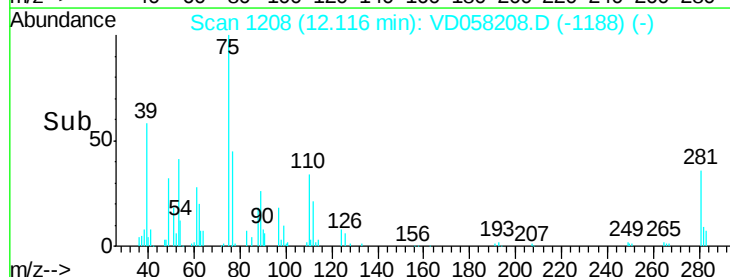
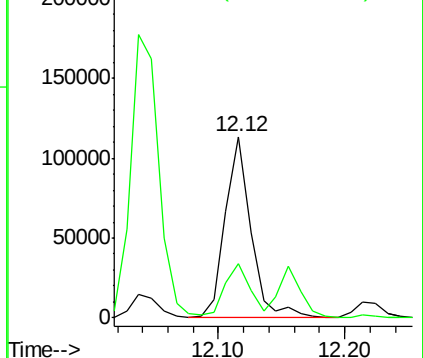
75 100

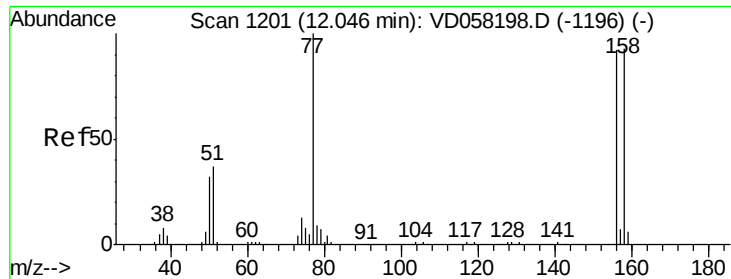
77 29.8 16.0 47.9



Abundance Ion 75.00 (74.70 to 75.70): VDC

Ion 76.95 (76.65 to 77.65): VDC

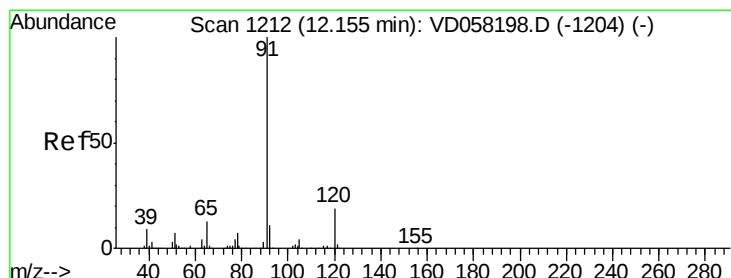
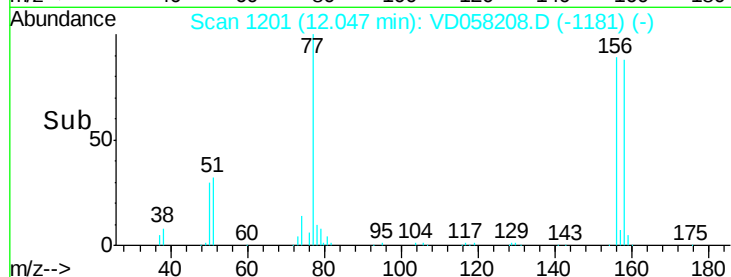
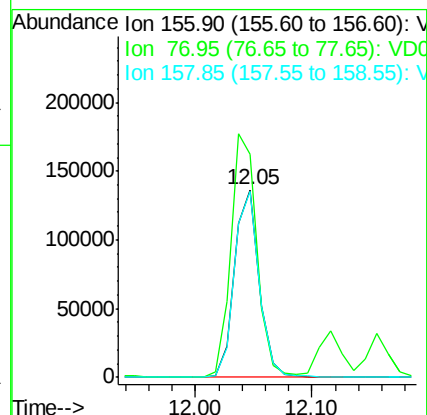
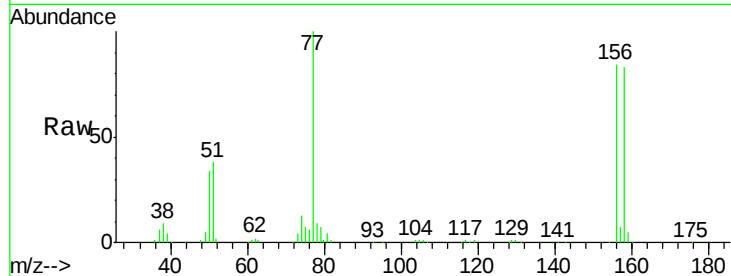




#77
Bromobenzene
Concen: 21.62 ug/l
RT: 12.05 min Scan# 1201
Delta R.T. 0.00 min
Lab File: VD058208.D
Acq: 20 Jun 2018 14:23

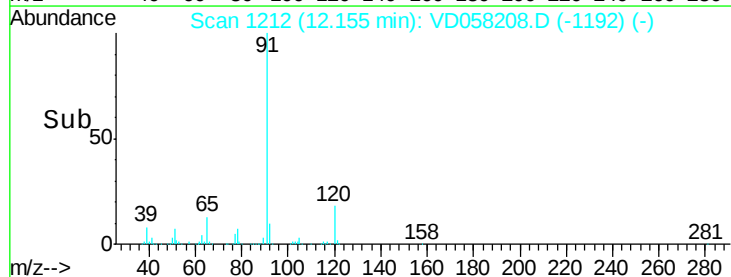
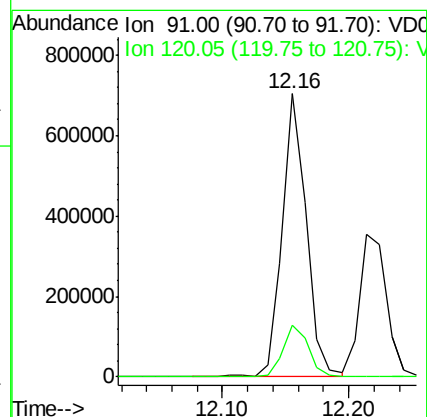
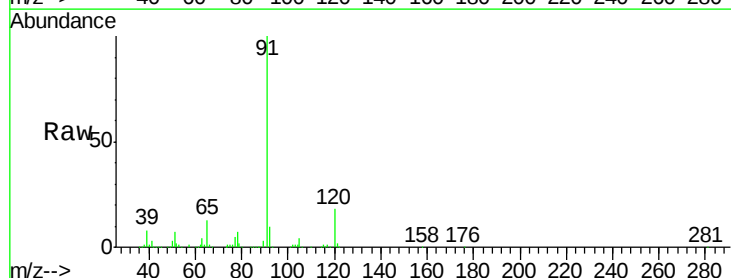
Instrument :
MSVOA_D
ClientSampleId :
VD0620SBS02

Tot Ion:156 Resp: 200265
Ion Ratio Lower Upper
156 100
77 119.1 54.5 163.6
158 99.2 50.8 152.5



#78
n-propylbenzene
Concen: 23.38 ug/l
RT: 12.16 min Scan# 1212
Delta R.T. 0.00 min
Lab File: VD058208.D
Acq: 20 Jun 2018 14:23

Tgt Ion: 91 Resp: 934016
Ion Ratio Lower Upper
91 100
120 18.2 9.7 29.1

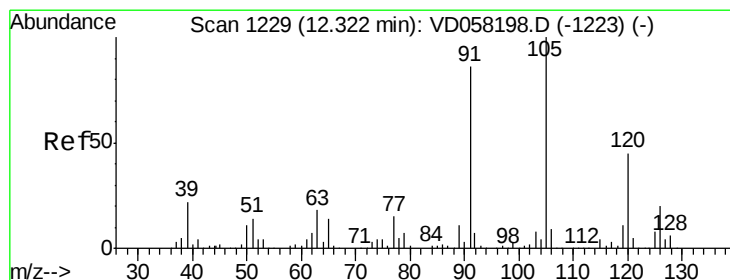
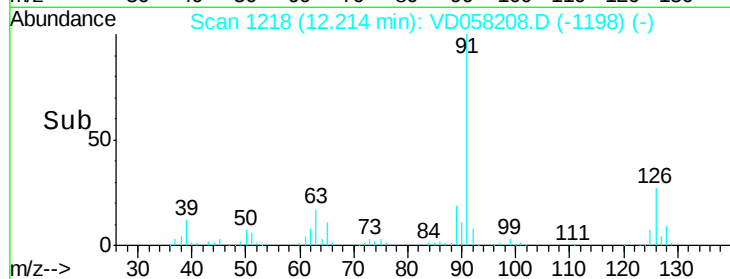
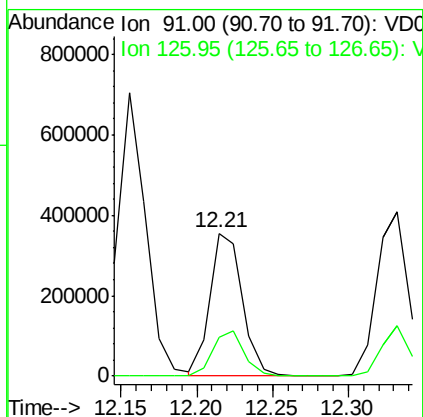
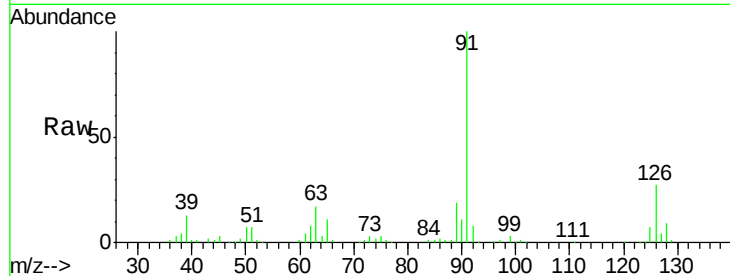




#79
 2-Chlorotoluene
 Concen: 23.15 ug/l
 RT: 12.21 min Scan# 1218
 Delta R.T. 0.00 min
 Lab File: VD058208.D
 Acq: 20 Jun 2018 14:23

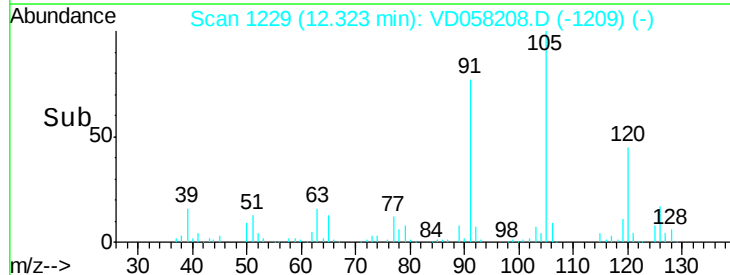
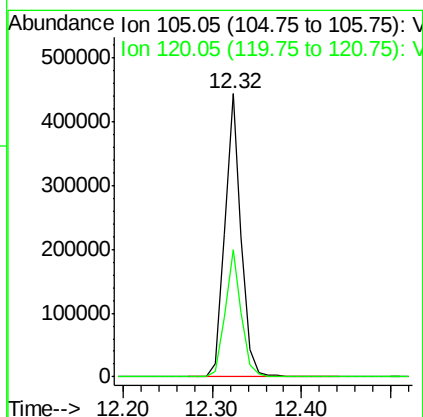
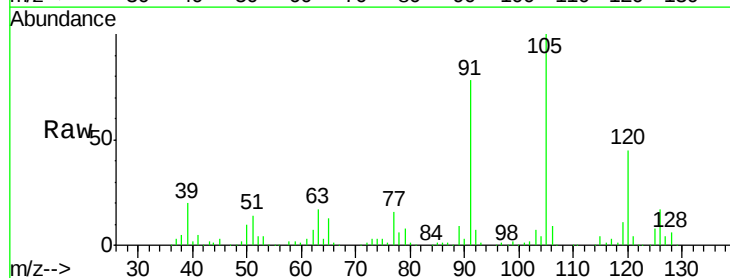
Instrument :
 MSVOA_D
 ClientSampleId :
 VD0620SBS02

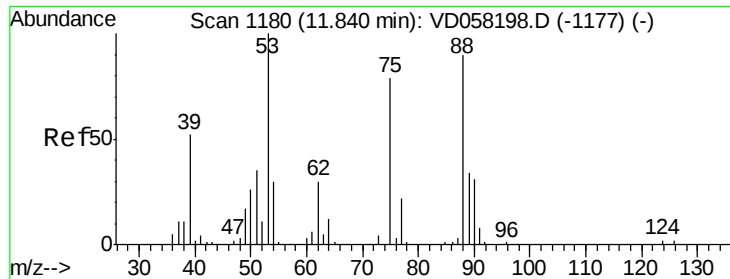
Tot Ion: 91 Resp: 529146
 Ion Ratio Lower Upper
 91 100
 126 27.3 14.9 44.5



#80
 1,3,5-Trimethylbenzene
 Concen: 23.67 ug/l
 RT: 12.32 min Scan# 1229
 Delta R.T. 0.00 min
 Lab File: VD058208.D
 Acq: 20 Jun 2018 14:23

Tgt Ion: 105 Resp: 571024
 Ion Ratio Lower Upper
 105 100
 120 45.1 22.5 67.5





#81

trans-1,4-Dichloro-2-butene

Concen: 20.92 ug/l

RT: 11.85 min Scan# 1181

Delta R.T. 0.01 min

Lab File: VD058208.D

Acq: 20 Jun 2018 14:23

Instrument :

MSVOA_D

ClientSampleId :

VD0620SBS02

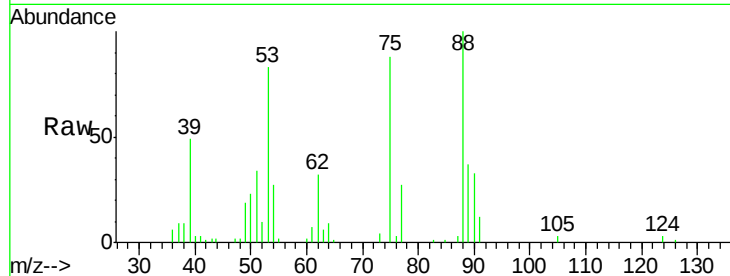
Tot Ion: 75 Resp: 38526

Ion Ratio Lower Upper

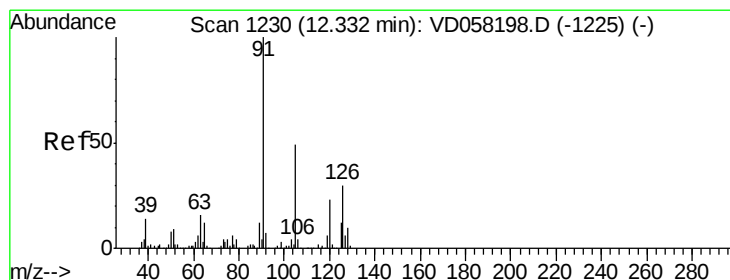
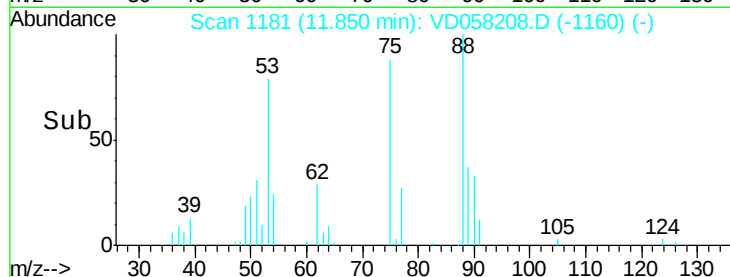
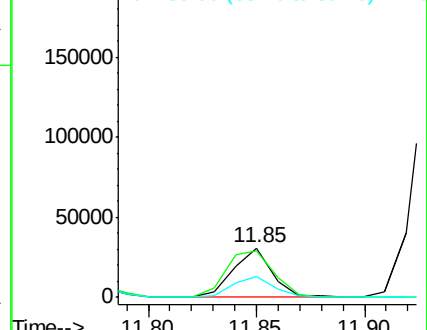
75 100

53 94.9 100.8 151.2#

89 42.2 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: 23.80 ug/l

RT: 12.33 min Scan# 1230

Delta R.T. 0.00 min

Lab File: VD058208.D

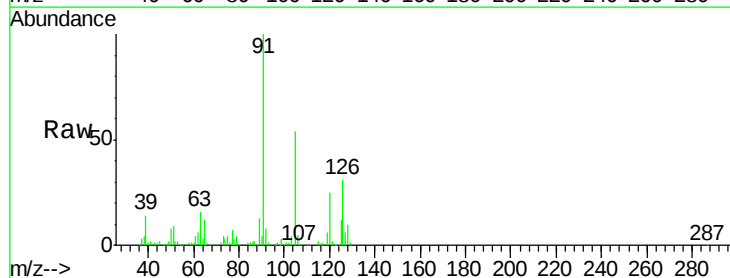
Acq: 20 Jun 2018 14:23

Tgt Ion: 91 Resp: 593593

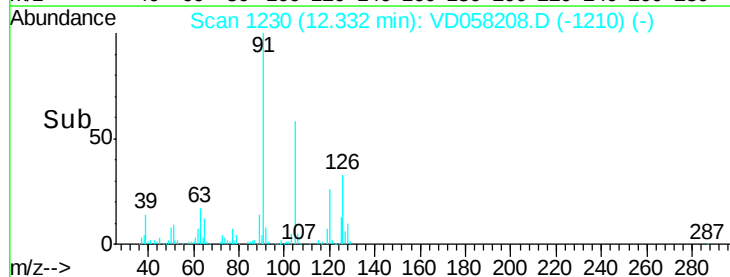
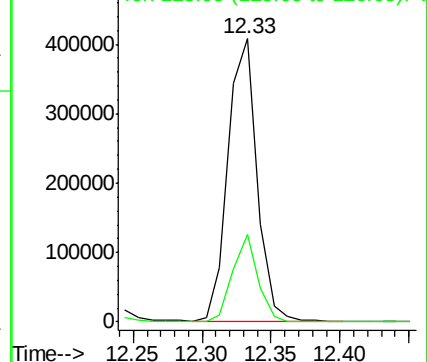
Ion Ratio Lower Upper

91 100

126 30.8 14.9 44.9



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

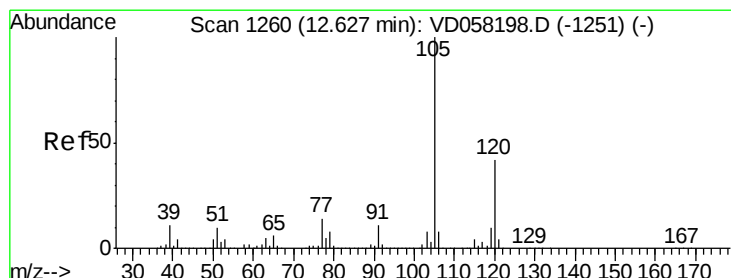
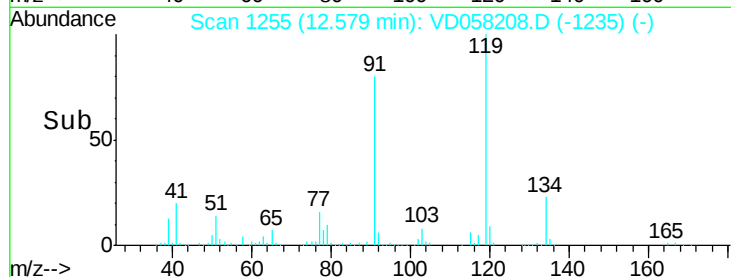
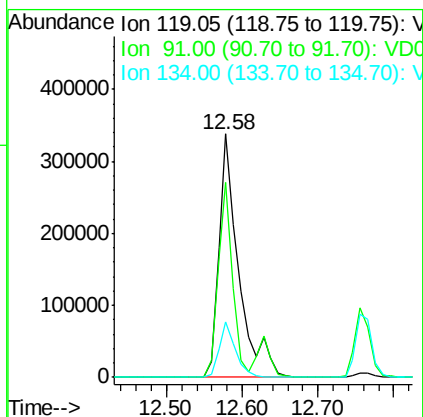
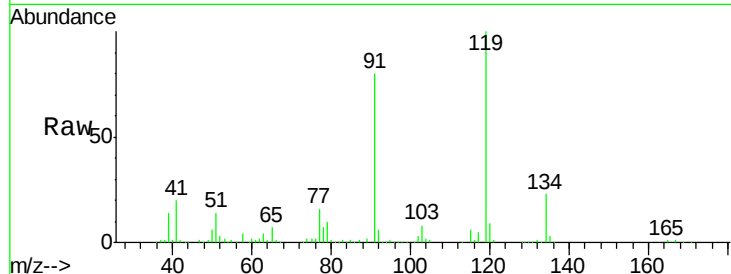




#83
 tert-Butylbenzene
 Concen: 22.34 ug/l
 RT: 12.58 min Scan# 1255
 Delta R.T. 0.00 min
 Lab File: VD058208.D
 Acq: 20 Jun 2018 14:23

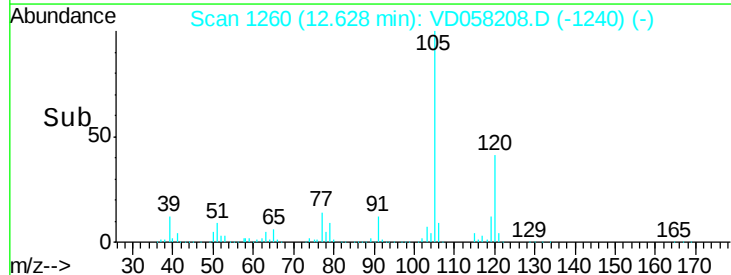
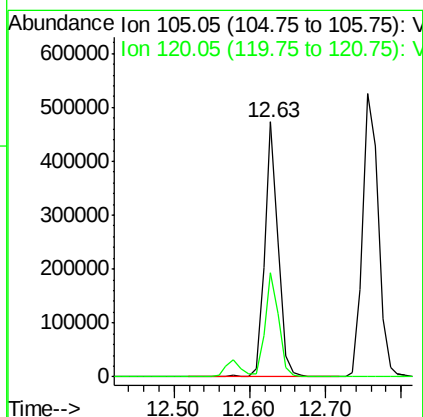
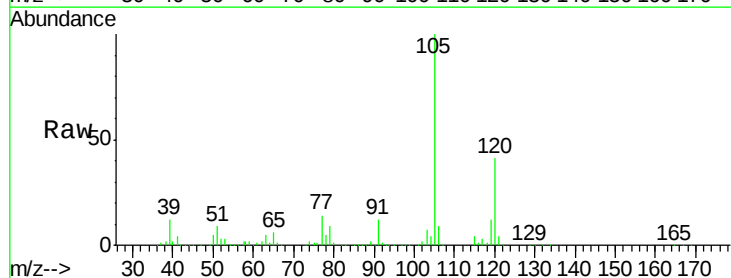
Instrument :
 MSVOA_D
 ClientSampleId :
 VD0620SBS02

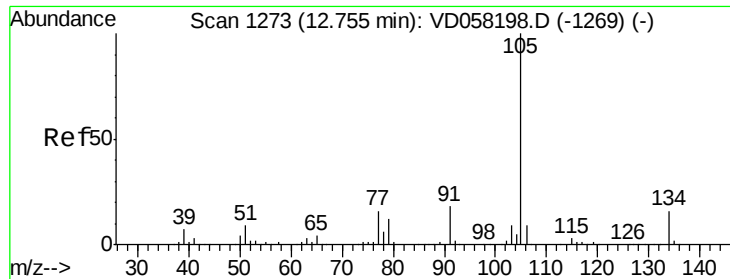
Tot Ion:119 Resp: 619692
 Ion Ratio Lower Upper
 119 100
 91 80.0 38.9 116.6
 134 22.6 11.2 33.5



#84
 1,2,4-Trimethylbenzene
 Concen: 22.59 ug/l
 RT: 12.63 min Scan# 1260
 Delta R.T. 0.00 min
 Lab File: VD058208.D
 Acq: 20 Jun 2018 14:23

Tgt Ion:105 Resp: 592408
 Ion Ratio Lower Upper
 105 100
 120 41.0 20.8 62.4

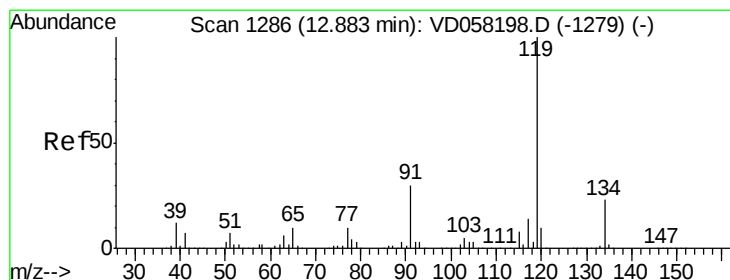
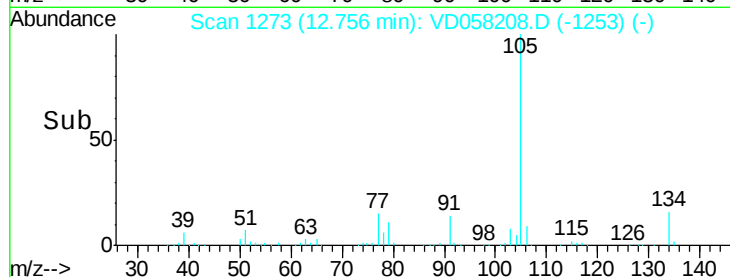
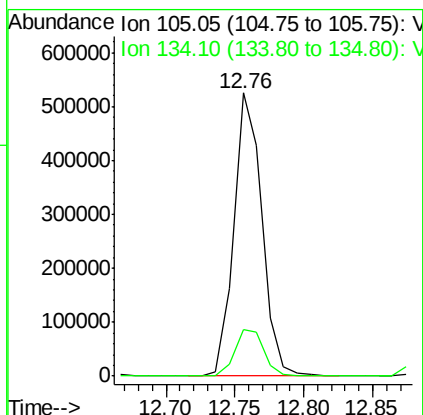
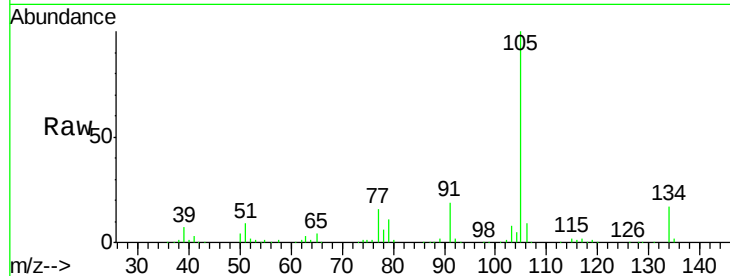




#85
 sec-Butylbenzene
 Concen: 22.83 ug/l
 RT: 12.76 min Scan# 1273
 Delta R.T. 0.00 min
 Lab File: VD058208.D
 Acq: 20 Jun 2018 14:23

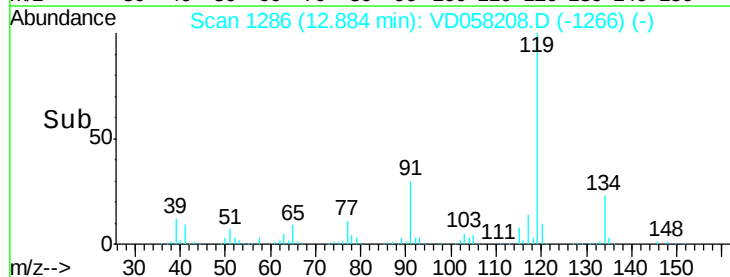
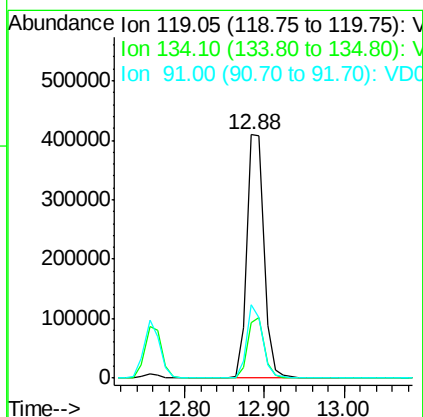
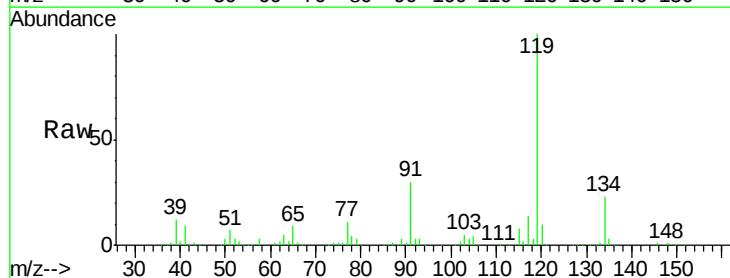
Instrument :
 MSVOA_D
 ClientSampleId :
 VD0620SBS02

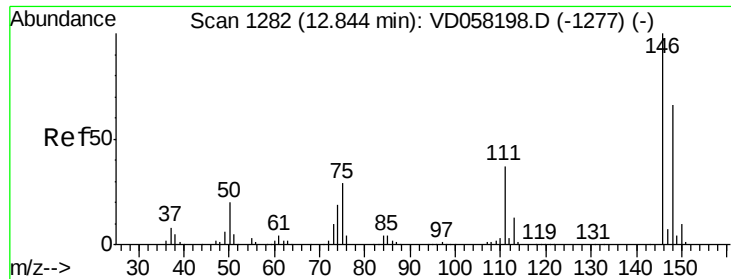
Tot Ion:105 Resp: 742150
 Ion Ratio Lower Upper
 105 100
 134 16.6 8.1 24.3



#86
 p-Isopropyltoluene
 Concen: 22.94 ug/l
 RT: 12.88 min Scan# 1286
 Delta R.T. 0.00 min
 Lab File: VD058208.D
 Acq: 20 Jun 2018 14:23

Tgt Ion:119 Resp: 604419
 Ion Ratio Lower Upper
 119 100
 134 23.0 11.6 34.8
 91 30.3 15.0 45.1

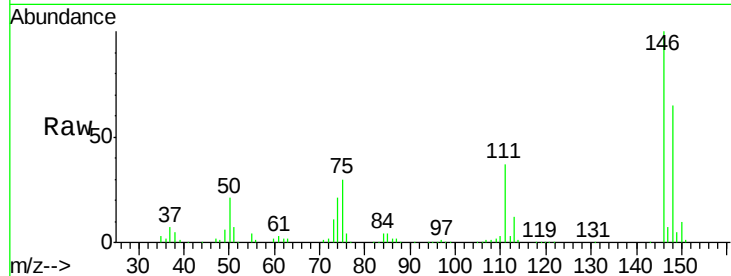




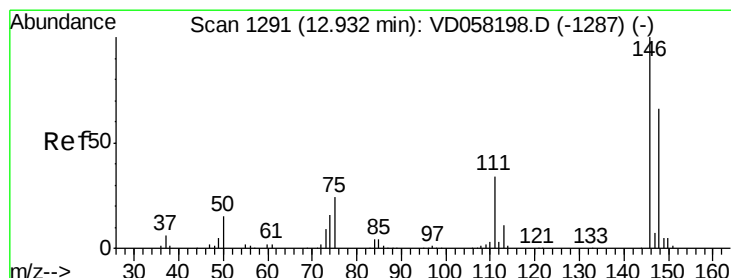
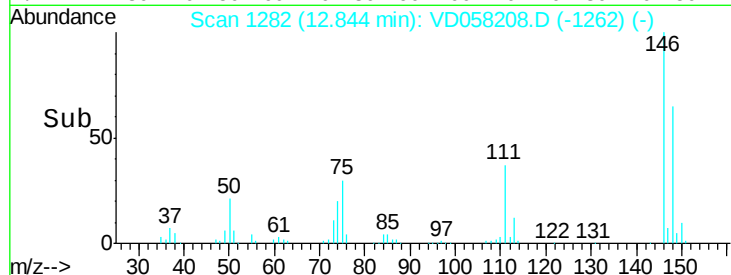
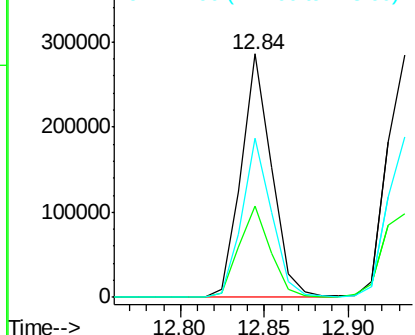
#87
 1,3-Dichlorobenzene
 Concen: 22.33 ug/l
 RT: 12.84 min Scan# 1282
 Delta R.T. 0.00 min
 Lab File: VD058208.D
 Acq: 20 Jun 2018 14:23

Instrument :
 MSVOA_D
 ClientSampleId :
 VD0620SBS02

Tot Ion	Ratio	Lower	Upper
146	100		
111	37.5	18.4	55.0
148	65.2	32.8	98.4

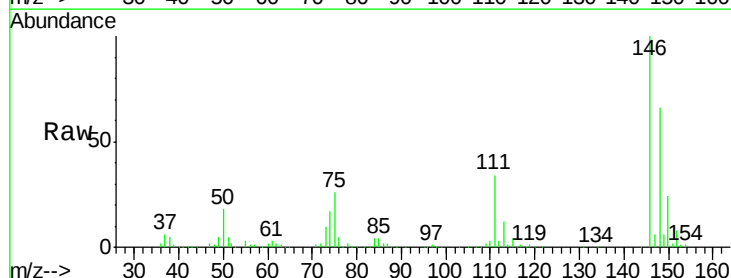


Abundance Ion 145.95 (145.65 to 146.65): V
 Ion 110.90 (110.60 to 111.60): V
 Ion 147.90 (147.60 to 148.60): V

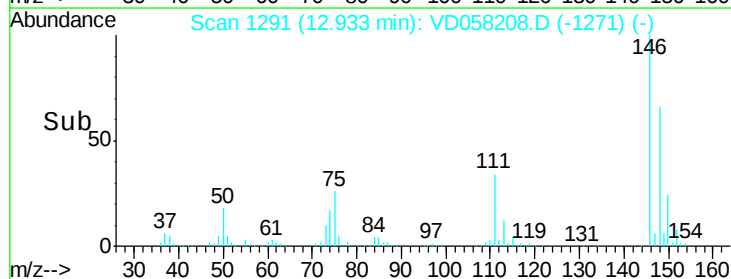
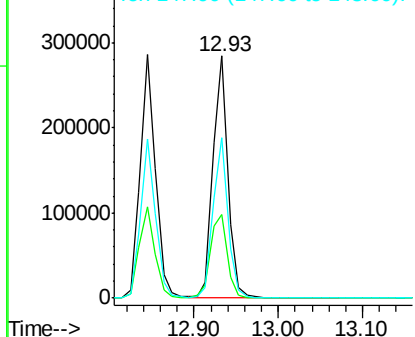


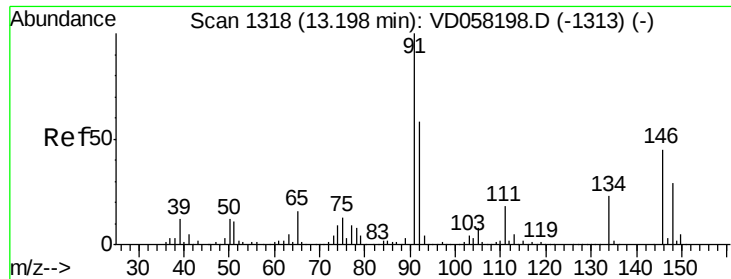
#88
 1,4-Dichlorobenzene
 Concen: 22.44 ug/l
 RT: 12.93 min Scan# 1291
 Delta R.T. 0.00 min
 Lab File: VD058208.D
 Acq: 20 Jun 2018 14:23

Tgt Ion	Ratio	Lower	Upper
146	100		
111	34.5	17.2	51.5
148	66.2	33.1	99.3



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

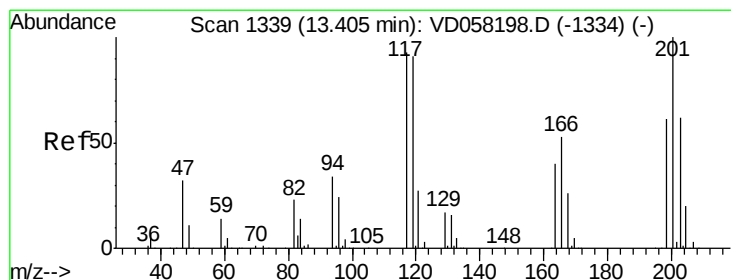
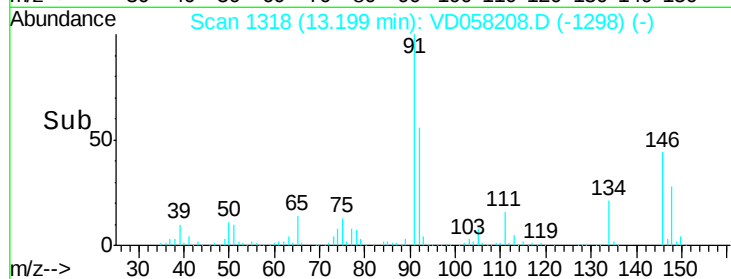
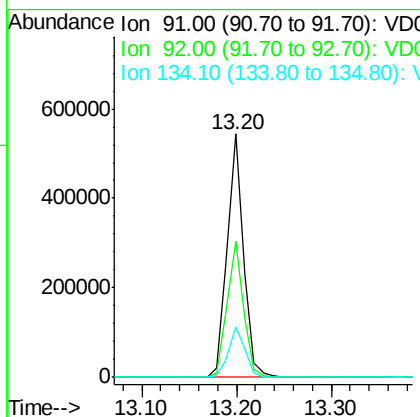
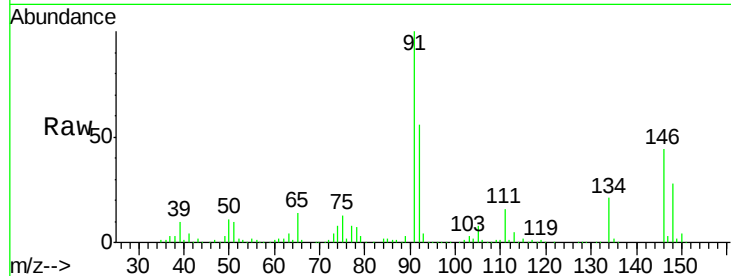




#89
n-Butylbenzene
Concen: 23.43 ug/l
RT: 13.20 min Scan# 1318
Delta R.T. 0.00 min
Lab File: VD058208.D
Acq: 20 Jun 2018 14:23

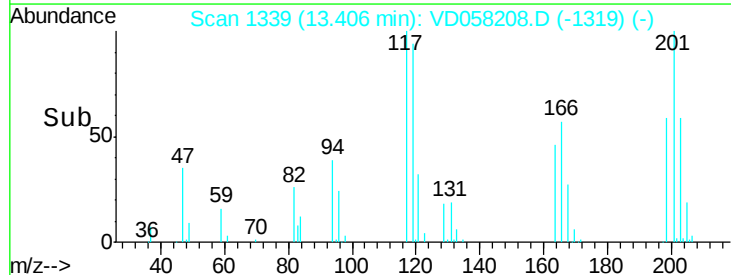
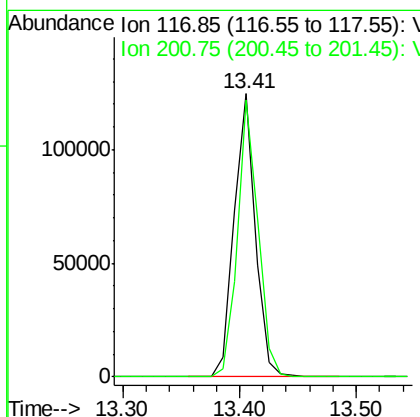
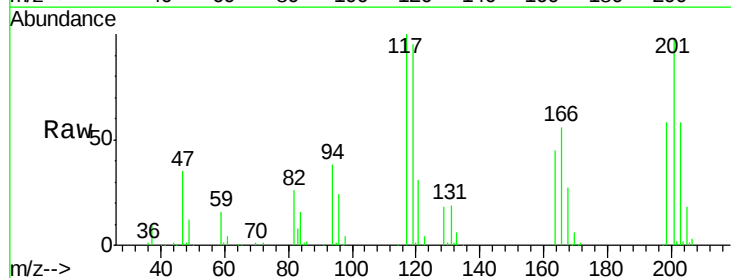
Instrument :
MSVOA_D
ClientSampleId :
VD0620SBS02

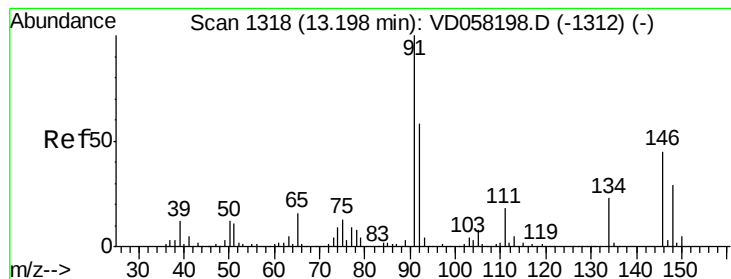
Tot Ion: 91 Resp: 648715
Ion Ratio Lower Upper
91 100
92 55.7 29.2 87.6
134 20.8 11.3 33.8



#90
Hexachloroethane
Concen: 22.96 ug/l
RT: 13.41 min Scan# 1339
Delta R.T. 0.00 min
Lab File: VD058208.D
Acq: 20 Jun 2018 14:23

Tgt Ion: 117 Resp: 157016
Ion Ratio Lower Upper
117 100
201 98.0 53.8 161.4





#91

1,2-Dichlorobenzene

Concen: 22.27 ug/l

RT: 13.20 min Scan# 1318

Delta R.T. 0.00 min

Lab File: VD058208.D

Acq: 20 Jun 2018 14:23

Instrument :

MSVOA_D

ClientSampleId :

VD0620SBS02

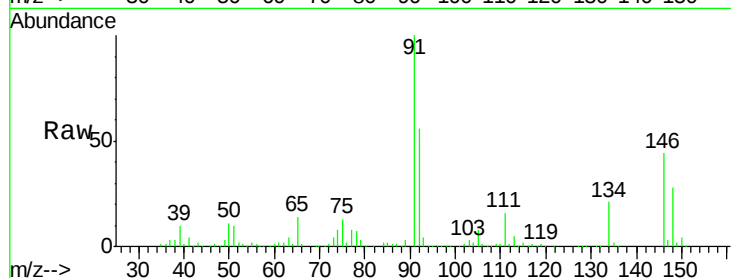
Tot Ion:146 Resp: 305124

Ion Ratio Lower Upper

146 100

111 36.1 19.6 58.7

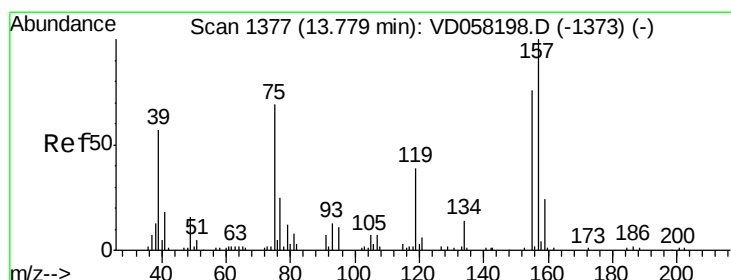
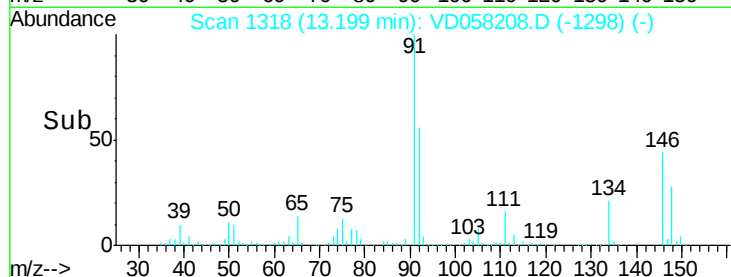
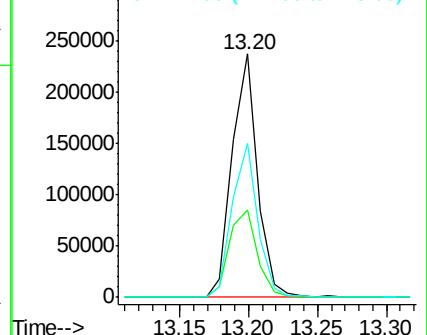
148 63.5 32.0 96.2



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: 20.58 ug/l

RT: 13.78 min Scan# 1377

Delta R.T. 0.00 min

Lab File: VD058208.D

Acq: 20 Jun 2018 14:23

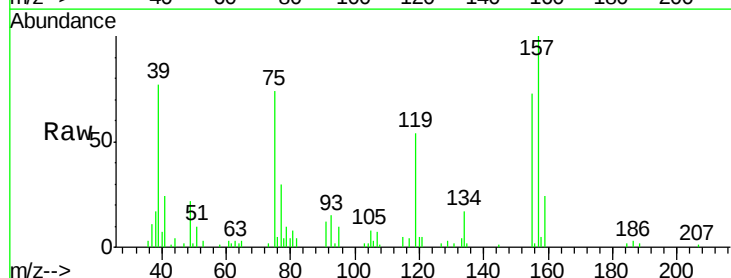
Tgt Ion: 75 Resp: 23579

Ion Ratio Lower Upper

75 100

155 98.3 54.5 163.5

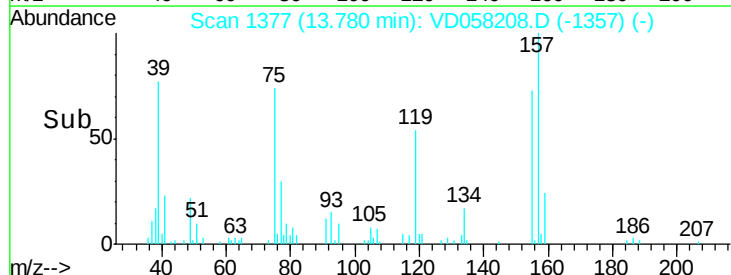
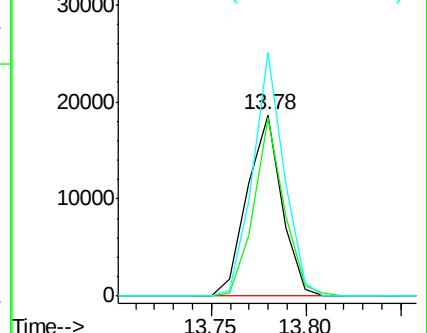
157 134.5 72.0 215.9

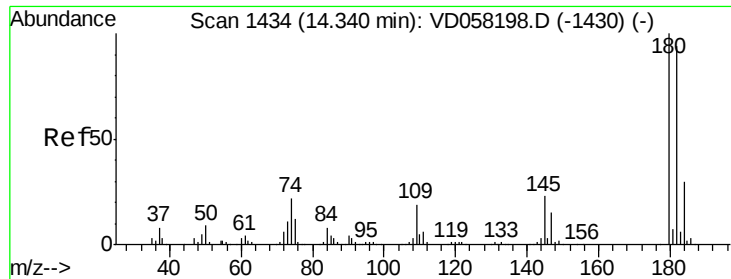


Abundance Ion 75.00 (74.70 to 75.70): V

Ion 154.90 (154.60 to 155.60): V

Ion 156.85 (156.55 to 157.55): V

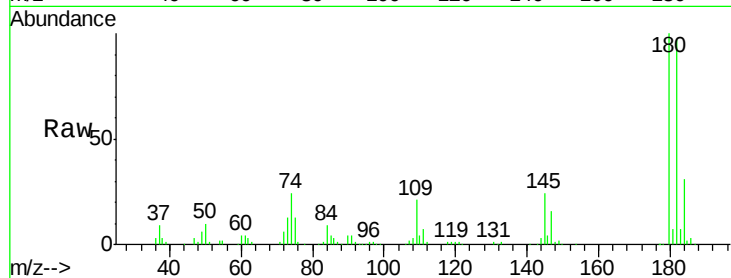




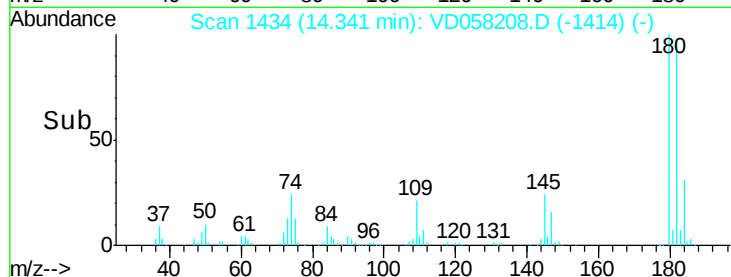
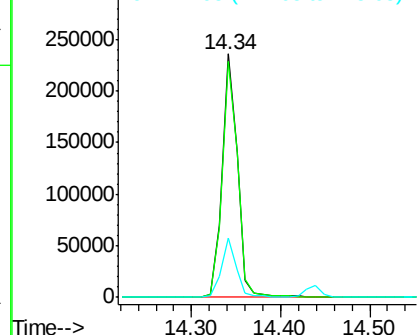
#93
 1,2,4-Trichlorobenzene
 Concen: 21.72 ug/l
 RT: 14.34 min Scan# 1434
 Delta R.T. 0.00 min
 Lab File: VD058208.D
 Acq: 20 Jun 2018 14:23

Instrument :
 MSVOA_D
 ClientSampleId :
 VD0620SBS02

Tot Ion:180 Resp: 284628
 Ion Ratio Lower Upper
 180 100
 182 96.9 47.1 141.3
 145 24.3 11.7 35.0

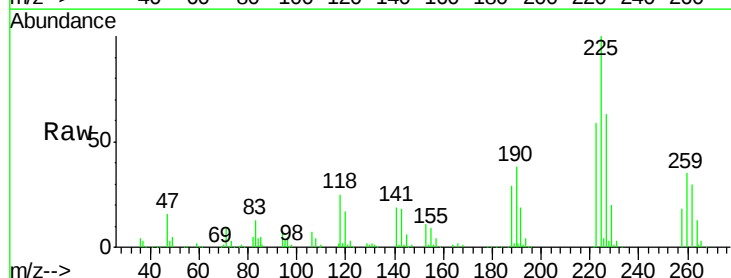


Abundance Ion 179.85 (179.55 to 180.55): V
 Ion 181.85 (181.55 to 182.55): V
 Ion 144.95 (144.65 to 145.65): V

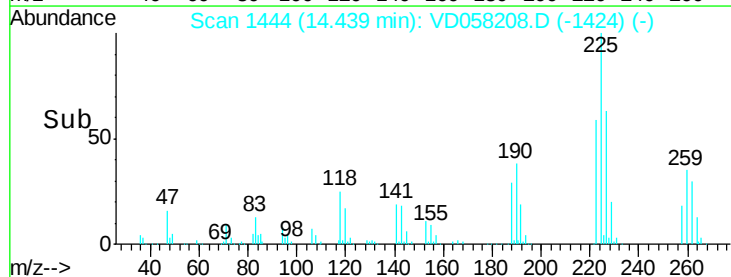
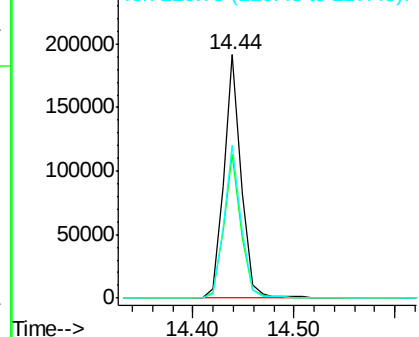


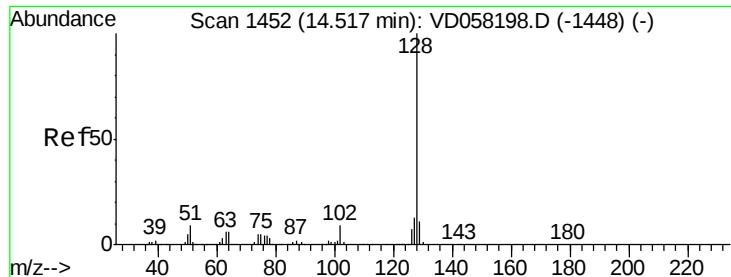
#94
 Hexachlorobutadiene
 Concen: 22.39 ug/l
 RT: 14.44 min Scan# 1444
 Delta R.T. 0.00 min
 Lab File: VD058208.D
 Acq: 20 Jun 2018 14:23

Tgt Ion:225 Resp: 229488
 Ion Ratio Lower Upper
 225 100
 223 59.0 30.1 90.3
 227 62.9 33.0 98.9



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





#95

Naphthalene

Concen: 21.12 ug/l

RT: 14.52 min Scan# 1452

Delta R.T. 0.00 min

Lab File: VD058208.D

Acq: 20 Jun 2018 14:23

Instrument :

MSVOA_D

ClientSampleId :

VD0620SBS02

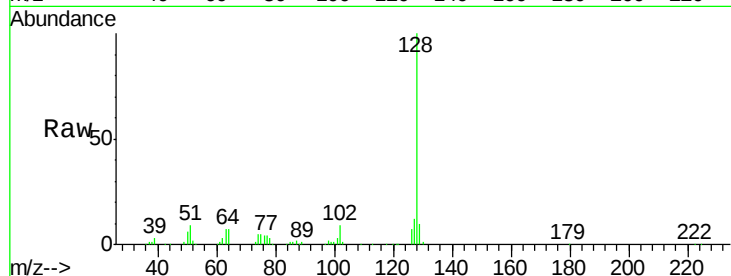
Tot Ion:128 Resp: 364542

Ion Ratio Lower Upper

128 100

127 12.1 10.0 15.0

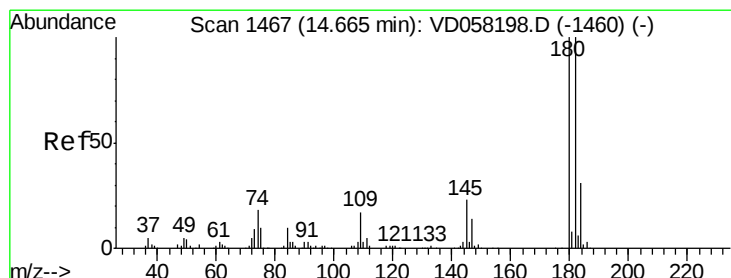
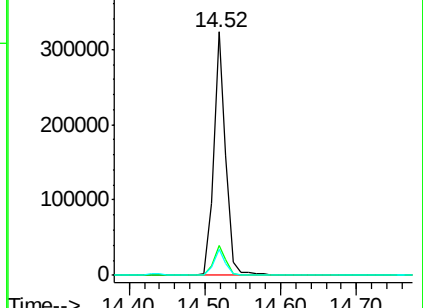
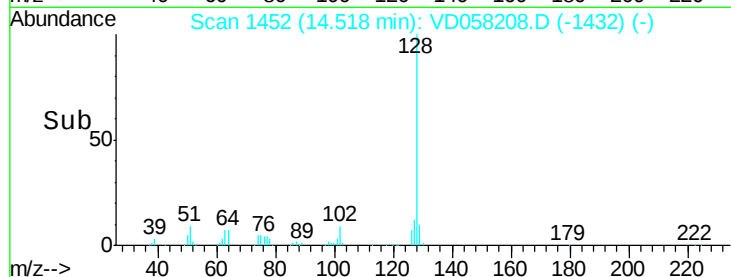
129 10.5 8.7 13.1



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: 20.63 ug/l

RT: 14.67 min Scan# 1467

Delta R.T. 0.00 min

Lab File: VD058208.D

Acq: 20 Jun 2018 14:23

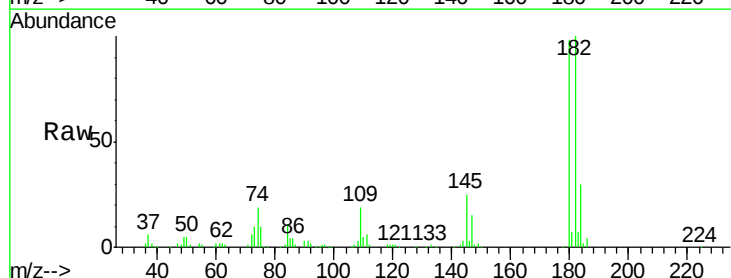
Tgt Ion:180 Resp: 236603

Ion Ratio Lower Upper

180 100

182 101.6 49.9 149.6

145 25.7 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

