

Data Path : Z:\VOASRV\HPCHEM1\MSVOA D\DATA\VD062018\
 Data File : VD058207.D
 Acq On : 20 Jun 2018 13:44
 Operator : VA/AP
 Sample : VD0620SBSD02
 Misc : 5.00g/5ml/MSVOA D/SOIL
 ALS Vial : 5 Sample Multiplier: 1

Instrument :
 MSVOA_D
 ClientSampleId :
 VD0620SBSD02

Quant Time: Jun 21 01:44:25 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	5.64	168	958379	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	6.70	114	1235942	50.00	ug/l	0.00
63) Chlorobenzene-d5	10.69	117	1000416	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	12.91	152	525983	50.00	ug/l	0.00

System Monitoring Compounds

33) 1,2-Dichloroethane-d4	6.02	65	523457	54.07	ug/l	0.00
Spiked Amount	50.000		Recovery	=	108.14%	
35) Dibromofluoromethane	5.55	113	542789	53.96	ug/l	0.00
Spiked Amount	50.000		Recovery	=	107.92%	
50) Toluene-d8	8.71	98	1247604	51.26	ug/l	0.00
Spiked Amount	50.000		Recovery	=	102.52%	
62) 4-Bromofluorobenzene	11.93	95	520440	52.35	ug/l	0.00
Spiked Amount	50.000		Recovery	=	104.70%	

Target Compounds

						Qvalue
2) Dichlorodifluoromethane	1.34	85	235298	24.10	ug/l	96
3) Chloromethane	1.49	50	109272	23.85	ug/l	91
4) Vinyl Chloride	1.55	62	112125	22.33	ug/l	97
5) Bromomethane	1.78	94	35789	18.82	ug/l	91
6) Chloroethane	1.87	64	37903	19.36	ug/l	95
7) Trichlorofluoromethane	2.08	101	139482	20.26	ug/l	95
8) Diethyl Ether	2.34	74	32346	22.22	ug/l	86
9) 1,1,2-Trichlorotrifluoroet	2.54	101	92779	21.20	ug/l	88
10) Methyl Iodide	2.69	142	104927	21.08	ug/l	96
11) Tert butyl alcohol	3.27	59	29156	91.32	ug/l	96
12) 1,1-Dichloroethene	2.54	96	69222	21.02	ug/l	87
13) Acrolein	2.47	56	22278	122.23	ug/l	93
14) Allyl chloride	2.92	41	164943	21.52	ug/l	99
15) Acrylonitrile	3.36	53	87886	103.81	ug/l	95
16) Acetone	2.61	43	141729	107.06	ug/l #	88
17) Carbon Disulfide	2.75	76	247581	22.10	ug/l	96
18) Methyl Acetate	2.94	43	53687	19.02	ug/l #	86
19) Methyl tert-butyl Ether	3.41	73	221328	25.34	ug/l	99
20) Methylene Chloride	3.06	84	83271	21.37	ug/l	94
21) trans-1,2-Dichloroethene	3.38	96	73400	20.40	ug/l	81
22) Diisopropyl ether	4.08	45	665365	21.86	ug/l	97
23) Vinyl Acetate	4.02	43	1841646	112.88	ug/l	100
24) 1,1-Dichloroethane	3.97	63	367800	22.43	ug/l	100
25) 2-Butanone	4.84	43	316593	109.72	ug/l	100
26) 2,2-Dichloropropane	4.80	77	311714	22.70	ug/l	99
27) cis-1,2-Dichloroethene	4.81	96	207264	23.05	ug/l	96
28) Bromochloromethane	5.15	49	163933	22.30	ug/l #	96
29) Tetrahydrofuran	5.19	42	165865	108.00	ug/l	99
30) Chloroform	5.33	83	388008	22.41	ug/l	96
31) Cyclohexane	5.59	56	291210	21.48	ug/l	97
32) 1,1,1-Trichloroethane	5.51	97	313799	21.94	ug/l	98
36) 1,1-Dichloropropene	5.75	75	265069	21.68	ug/l	97
37) Ethyl Acetate	4.93	43	148697	21.35	ug/l	96
38) Carbon Tetrachloride	5.72	117	269999	22.22	ug/l	98

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

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
39) Methylcyclohexane	7.29	83	257882	21.65	ug/l	99
40) Benzene	6.02	78	619878	21.28	ug/l	97
41) Methacrylonitrile	5.13	41	77483	23.03	ug/l	98
42) 1,2-Dichloroethane	6.13	62	263188	22.41	ug/l	97
43) Isopropyl Acetate	7.62	43	196970	21.21	ug/l #	99
44) Trichloroethene	6.98	130	183687	21.00	ug/l	93
45) 1,2-Dichloropropane	7.36	63	179025	22.82	ug/l	94
46) Dibromomethane	7.46	93	115617	21.59	ug/l	100
47) Bromodichloromethane	7.75	83	274972	22.52	ug/l	95
48) Methyl methacrylate	7.51	41	122820	21.76	ug/l	97
49) 1,4-Dioxane	7.49	88	23786	466.82	ug/l #	84
51) 4-Methyl-2-Pentanone	8.61	43	650595	107.39	ug/l	98
52) Toluene	8.80	92	352895	21.28	ug/l	100
53) t-1,3-Dichloropropene	9.20	75	234334	22.07	ug/l	96
54) cis-1,3-Dichloropropene	8.37	75	273848	22.00	ug/l	97
55) 1,1,2-Trichloroethane	9.46	97	127451	21.72	ug/l	96
56) Ethyl methacrylate	9.31	69	151442	21.58	ug/l	96
57) 1,3-Dichloropropane	9.67	76	219348	22.19	ug/l	94
58) 2-Chloroethyl Vinyl ether	8.19	63	377900	108.78	ug/l	99
59) 2-Hexanone	9.80	43	490959	112.16	ug/l	100
60) Dibromochloromethane	9.96	129	174820	21.95	ug/l	95
61) 1,2-Dibromoethane	10.10	107	138654	21.59	ug/l	100
64) Tetrachloroethene	9.52	164	181531	21.57	ug/l	97
65) Chlorobenzene	10.73	112	408005	21.80	ug/l	98
66) 1,1,1,2-Tetrachloroethane	10.85	131	158134	21.90	ug/l	96
67) Ethyl Benzene	10.86	91	718515	21.75	ug/l	100
68) m/p-Xylenes	11.02	106	490178	44.49	ug/l	94
69) o-Xylene	11.41	106	247180	23.49	ug/l	98
70) Styrene	11.43	104	409311	22.80	ug/l	94
71) Bromoform	11.61	173	121019	21.01	ug/l	96
73) Isopropylbenzene	11.78	105	664065	21.11	ug/l	100
74) N-amyl acetate	11.65	43	246592	20.27	ug/l	98
75) 1,1,2,2-Tetrachloroethane	12.08	83	151484	20.69	ug/l	98
76) 1,2,3-Trichloropropane	12.12	75	167959	21.87	ug/l	99
77) Bromobenzene	12.04	156	204023	21.66	ug/l	82
78) n-propylbenzene	12.16	91	870904	21.44	ug/l	97
79) 2-Chlorotoluene	12.22	91	522534	22.48	ug/l	100
80) 1,3,5-Trimethylbenzene	12.33	105	542462	22.11	ug/l	99
81) trans-1,4-Dichloro-2-buten	11.84	75	37883	20.23	ug/l	99
82) 4-Chlorotoluene	12.33	91	578789	22.56	ug/l	93
83) tert-Butylbenzene	12.58	119	619752	21.97	ug/l	94
84) 1,2,4-Trimethylbenzene	12.63	105	543504	20.38	ug/l	96
85) sec-Butylbenzene	12.76	105	741661	22.43	ug/l	98
86) p-Isopropyltoluene	12.89	119	602181	22.47	ug/l	99
87) 1,3-Dichlorobenzene	12.85	146	369952	22.59	ug/l	97
88) 1,4-Dichlorobenzene	12.93	146	350778	21.94	ug/l	97
89) n-Butylbenzene	13.20	91	612229	21.74	ug/l	99
90) Hexachloroethane	13.40	117	153873	22.12	ug/l	64
91) 1,2-Dichlorobenzene	13.19	146	297758	21.37	ug/l	94
92) 1,2-Dibromo-3-Chloropropan	13.77	75	25382	21.78	ug/l	61

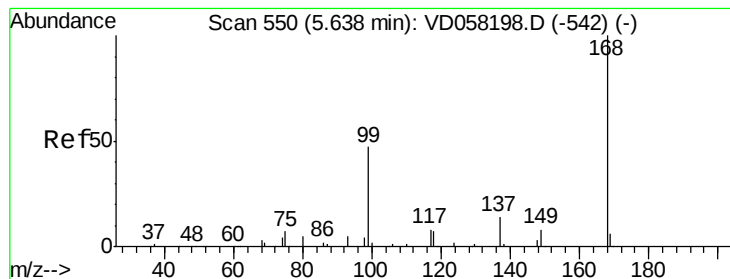
Data Path : Z:\VOASRV\HPCHEM1\MSVOA D\DATA\VD062018\
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MSVOA_D
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Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_D\METHOD\82D061918S.M
Quant Title : SW846 8260
QLast Update : Wed Jun 20 05:52:56 2018
Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
93) 1,2,4-Trichlorobenzene	14.34	180	285919	21.45	ug/l	96
94) Hexachlorobutadiene	14.43	225	214731	20.60	ug/l	97
95) Naphthalene	14.52	128	374075	21.31	ug/l	99
96) 1,2,3-Trichlorobenzene	14.66	180	248008	21.26	ug/l	98

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



#1

Pentafluorobenzene

Concen: 50.00 ug/l

RT: 5.64 min Scan# 550

Delta R.T. 0.00 min

Lab File: VD058207.D

Acq: 20 Jun 2018 13:44

Instrument :

MSVOA_D

ClientSampleId :

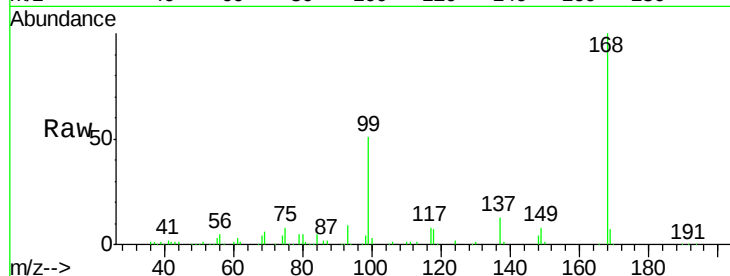
VD0620SBSD02

Tot Ion:168 Resp: 958379

Ion Ratio Lower Upper

168 100

99 51.3 41.1 61.7



Abundance Ion 167.90 (167.60 to 168.60): V

Ion 98.95 (98.65 to 99.65): VDC

5.64

400000

300000

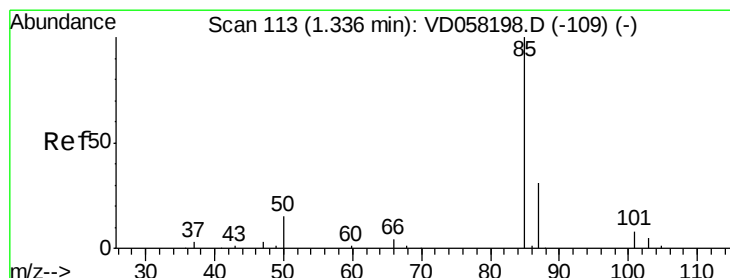
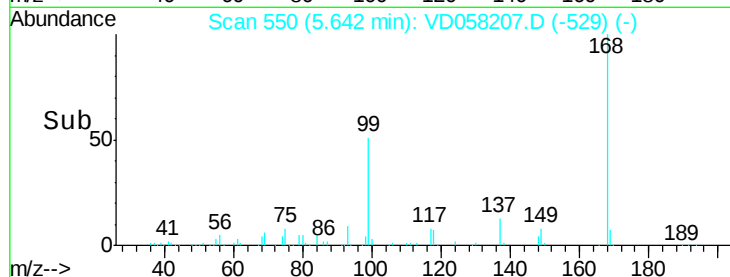
200000

100000

0

Time-->

5.50 5.60 5.70 5.80



#2

Dichlorodifluoromethane

Concen: 24.10 ug/l

RT: 1.34 min Scan# 113

Delta R.T. 0.01 min

Lab File: VD058207.D

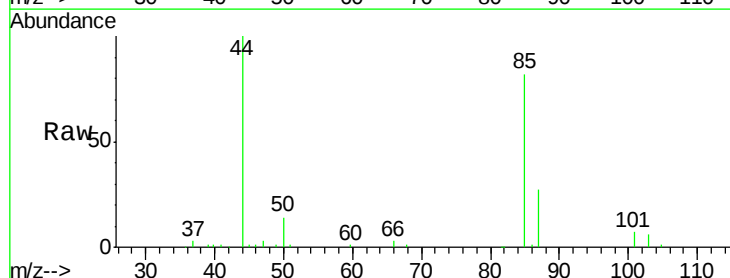
Acq: 20 Jun 2018 13:44

Tgt Ion: 85 Resp: 235298

Ion Ratio Lower Upper

85 100

87 33.4 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

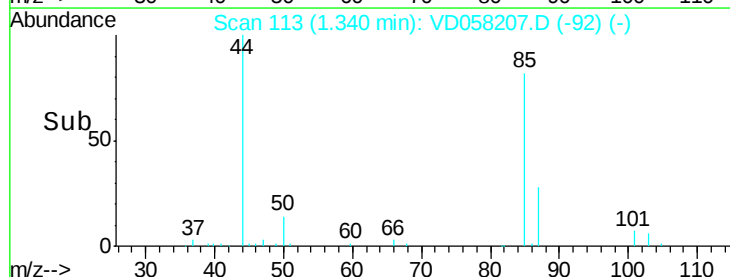
40000

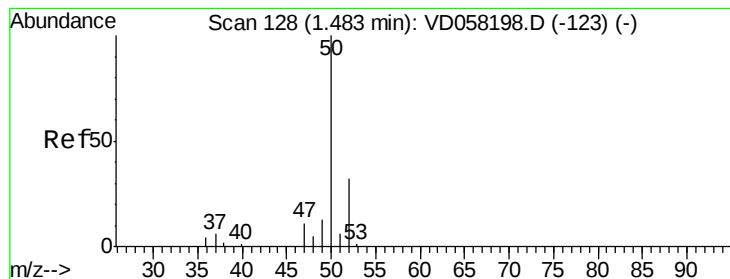
20000

0

Time-->

1.30 1.40 1.50





#3

Chloromethane

Concen: 23.85 ug/l

RT: 1.49 min Scan# 128

Delta R.T. 0.01 min

Lab File: VD058207.D

Acq: 20 Jun 2018 13:44

Instrument :

MSVOA_D

ClientSampleId :

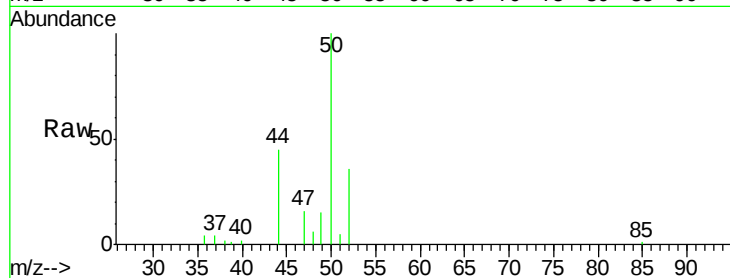
VD0620SBS02

Tot Ion: 50 Resp: 109272

Ion Ratio Lower Upper

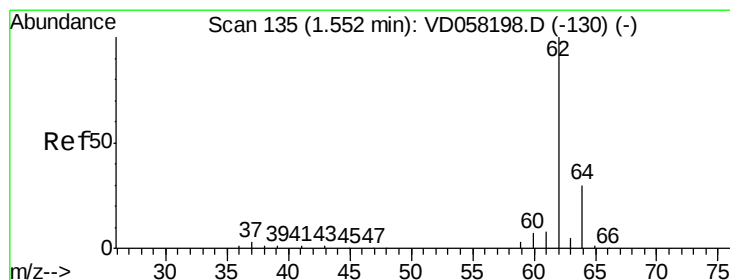
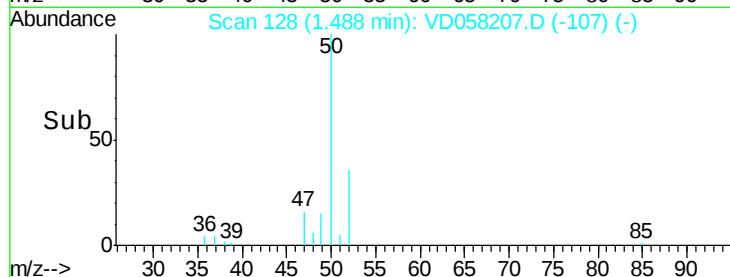
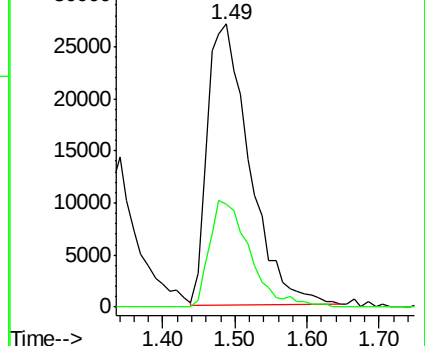
50 100

52 36.3 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: 22.33 ug/l

RT: 1.55 min Scan# 134

Delta R.T. -0.01 min

Lab File: VD058207.D

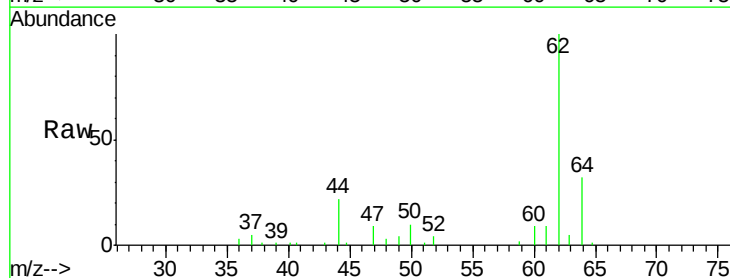
Acq: 20 Jun 2018 13:44

Tgt Ion: 62 Resp: 112125

Ion Ratio Lower Upper

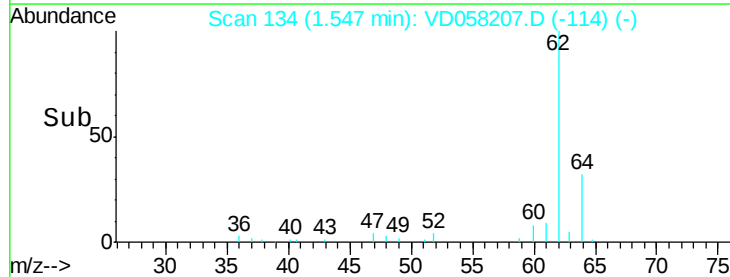
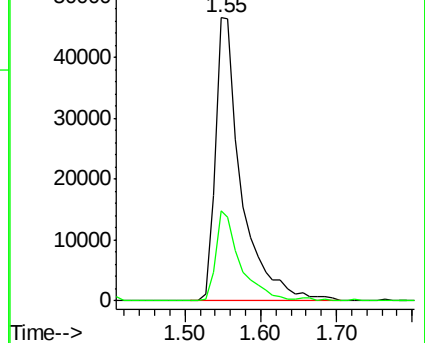
62 100

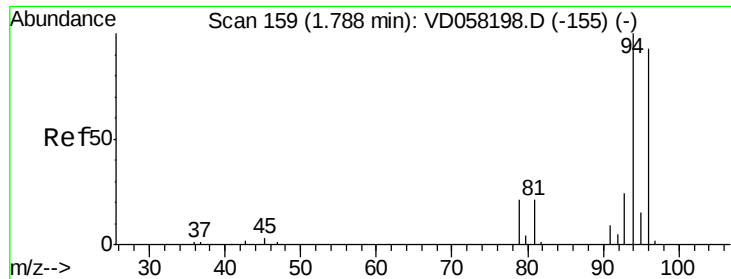
64 32.0 24.4 36.6



Abundance Ion 61.95 (61.65 to 62.65): VDC

Ion 63.95 (63.65 to 64.65): VDC





#5

Bromomethane

Concen: 18.82 ug/l

RT: 1.78 min Scan# 158

Delta R.T. -0.00 min

Lab File: VD058207.D

Acq: 20 Jun 2018 13:44

Instrument :

MSVOA_D

ClientSampleId :

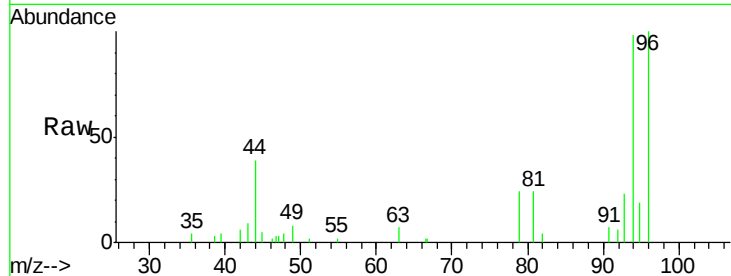
VD0620SBS02

Tot Ion: 94 Resp: 35789

Ion Ratio Lower Upper

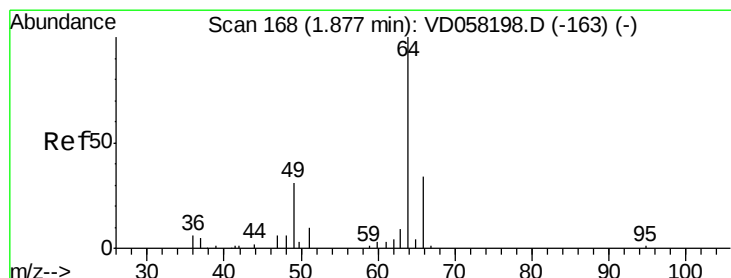
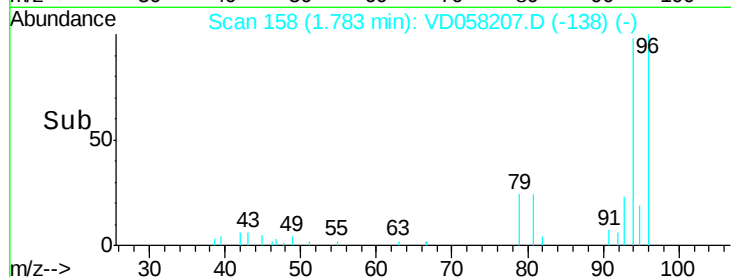
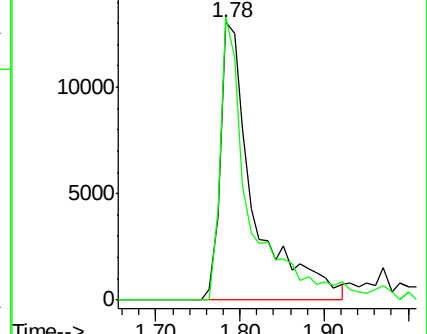
94 100

96 101.8 74.2 111.2



Abundance Ion 93.90 (93.60 to 94.60): VDC

Ion 95.90 (95.60 to 96.60): VDC



#6

Chloroethane

Concen: 19.36 ug/l

RT: 1.87 min Scan# 167

Delta R.T. -0.01 min

Lab File: VD058207.D

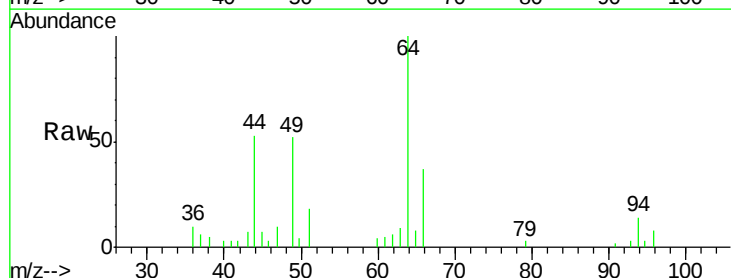
Acq: 20 Jun 2018 13:44

Tgt Ion: 64 Resp: 37903

Ion Ratio Lower Upper

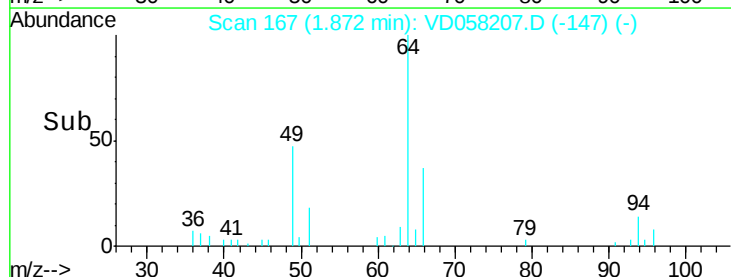
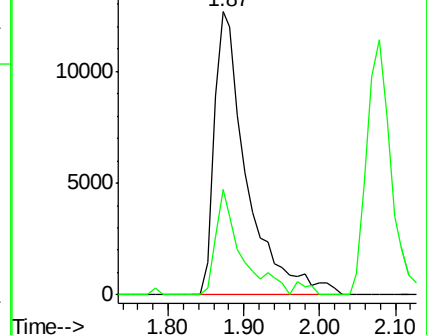
64 100

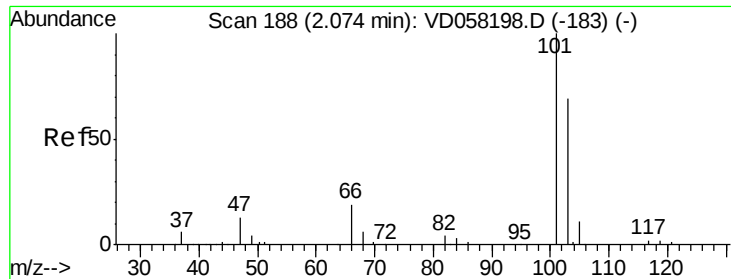
66 37.2 27.3 40.9



Abundance Ion 63.95 (63.65 to 64.65): VDC

Ion 65.90 (65.60 to 66.60): VDC



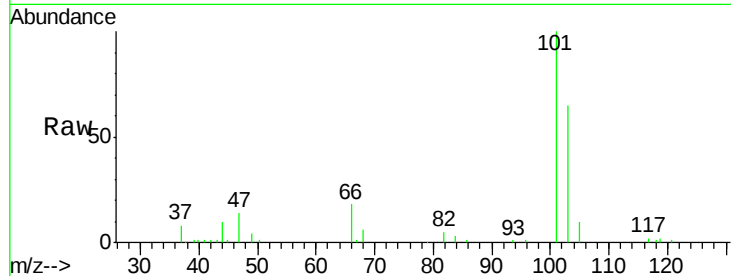


#7

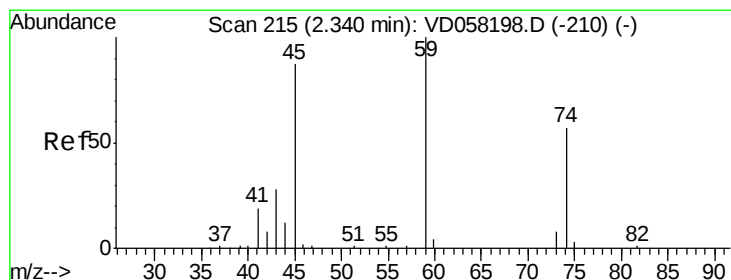
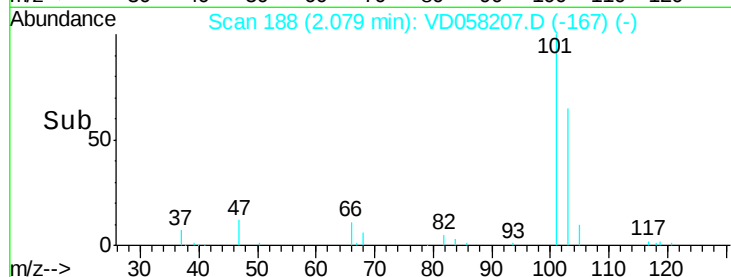
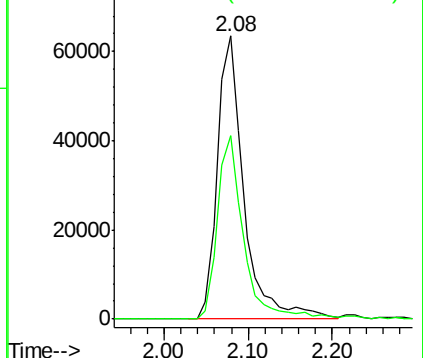
Trichlorofluoromethane
Concen: 20.26 ug/l
RT: 2.08 min Scan# 188
Delta R.T. 0.00 min
Lab File: VD058207.D
Acq: 20 Jun 2018 13:44

Instrument :
MSVOA_D
ClientSampleId :
VD0620SBS02

Tot Ion:101 Resp: 139482
Ion Ratio Lower Upper
101 100
103 64.7 55.1 82.7



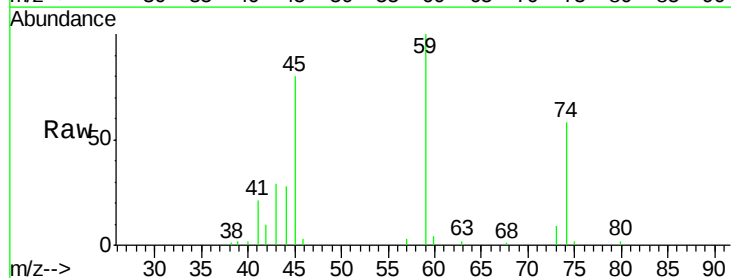
Abundance Ion 100.85 (100.55 to 101.55): V
Ion 102.85 (102.55 to 103.55): V



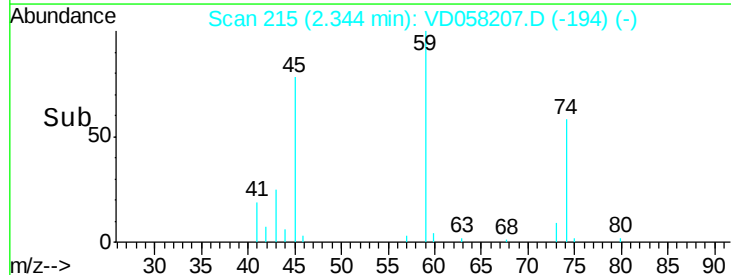
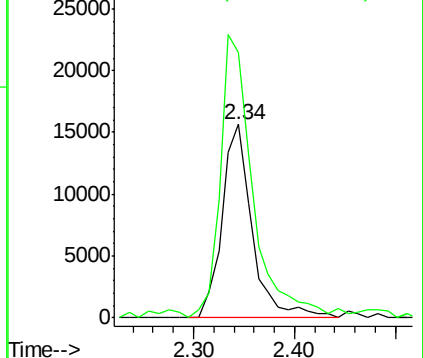
#8

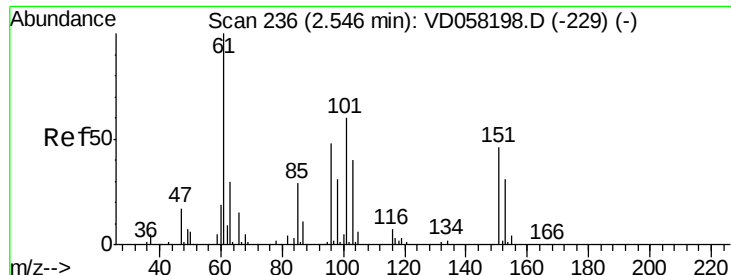
Diethyl Ether
Concen: 22.22 ug/l
RT: 2.34 min Scan# 215
Delta R.T. 0.00 min
Lab File: VD058207.D
Acq: 20 Jun 2018 13:44

Tgt Ion: 74 Resp: 32346
Ion Ratio Lower Upper
74 100
45 137.5 77.5 232.6



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





#9

1,1,2-Trichlorotrifluoroethane

Concen: 21.20 ug/l

RT: 2.54 min Scan# 235

Delta R.T. -0.01 min

Lab File: VD058207.D

Acq: 20 Jun 2018 13:44

Instrument :

MSVOA_D

ClientSampleId :

VD0620SBSD02

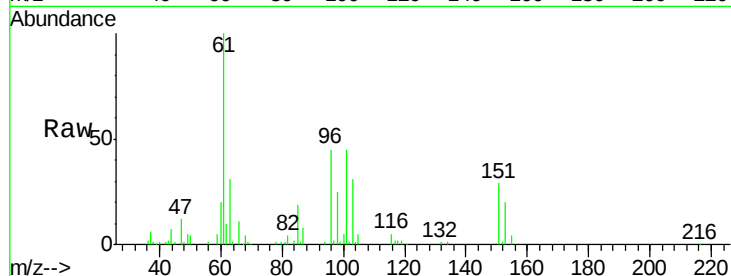
Tot Ion:101 Resp: 92779

Ion Ratio Lower Upper

101 100

85 43.4 39.0 58.4

151 64.4 61.8 92.8

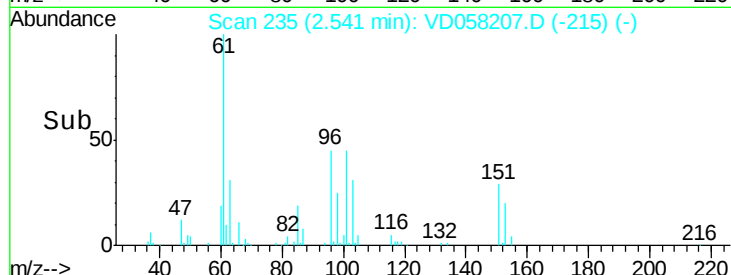


Abundance Ion 100.85 (100.55 to 101.55): V

Ion 84.95 (84.65 to 85.65): V

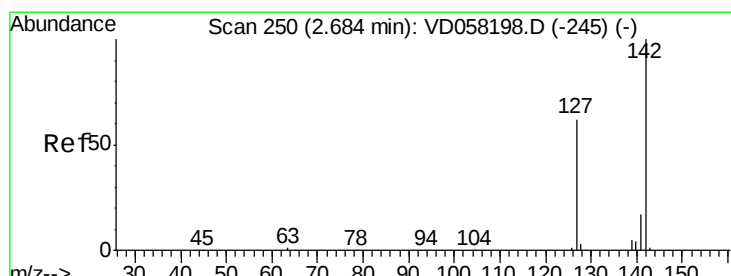
Ion 150.90 (150.60 to 151.60): V

Time-->



Abundance

Time-->



#10

Methyl Iodide

Concen: 21.08 ug/l

RT: 2.69 min Scan# 250

Delta R.T. 0.00 min

Lab File: VD058207.D

Acq: 20 Jun 2018 13:44

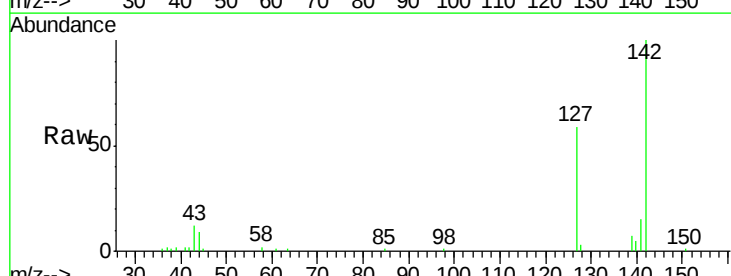
Tgt Ion:142 Resp: 104927

Ion Ratio Lower Upper

142 100

127 58.9 49.4 74.0

141 15.3 13.5 20.3

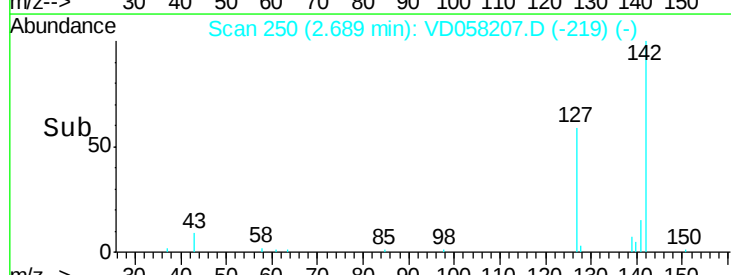


Abundance Ion 141.85 (141.55 to 142.55): V

Ion 126.80 (126.50 to 127.50): V

Ion 140.85 (140.55 to 141.55): V

Time-->



Abundance

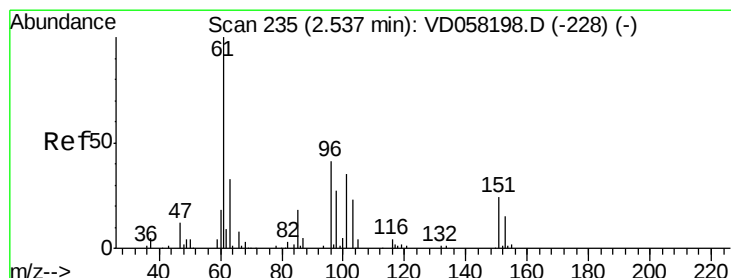
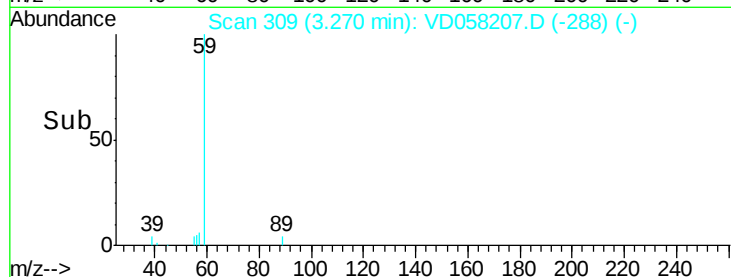
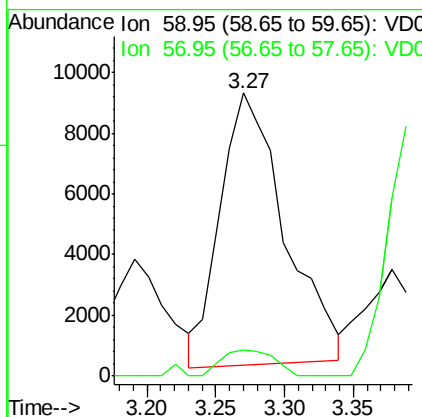
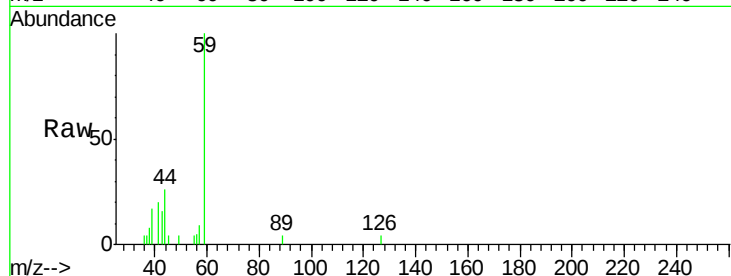
Time-->



#11
Tert butyl alcohol
Concen: 91.32 ug/l
RT: 3.27 min Scan# 309
Delta R.T. 0.00 min
Lab File: VD058207.D
Acq: 20 Jun 2018 13:44

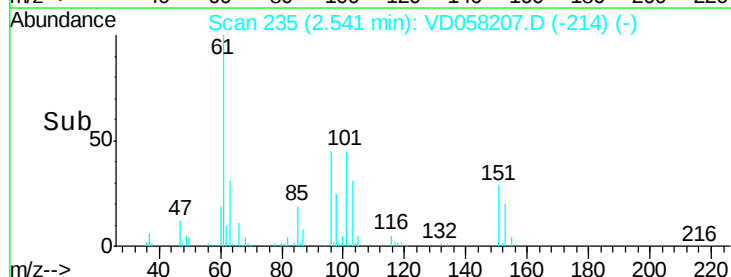
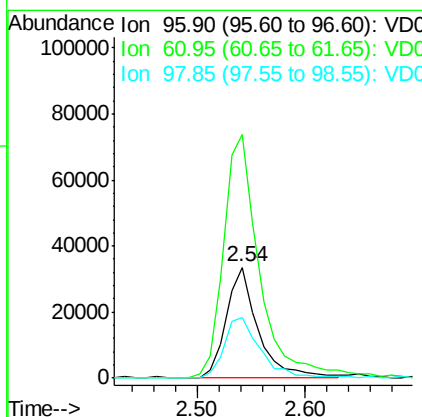
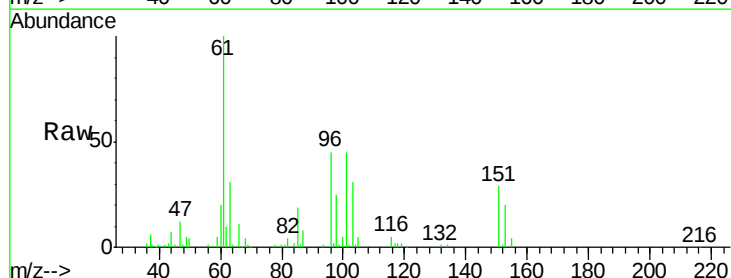
Instrument :
MSVOA_D
ClientSampleId :
VD0620SBSD02

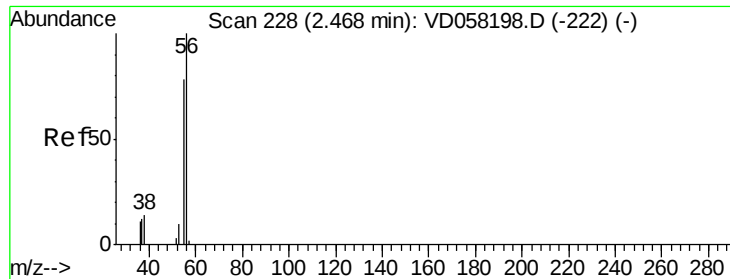
Tot Ion: 59 Resp: 29156
Ion Ratio Lower Upper
59 100
57 9.2 6.2 9.4



#12
1,1-Dichloroethene
Concen: 21.02 ug/l
RT: 2.54 min Scan# 235
Delta R.T. 0.00 min
Lab File: VD058207.D
Acq: 20 Jun 2018 13:44

Tgt Ion: 96 Resp: 69222
Ion Ratio Lower Upper
96 100
61 220.2 193.9 290.9
98 54.9 51.7 77.5





#13

Acrolein

Concen: 122.23 ug/l

RT: 2.47 min Scan# 228

Delta R.T. 0.00 min

Lab File: VD058207.D

Acq: 20 Jun 2018 13:44

Instrument :

MSVOA_D

ClientSampleId :

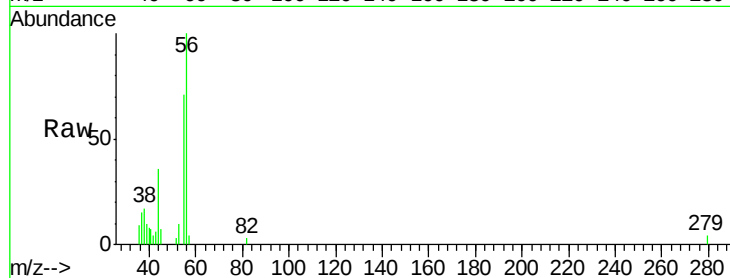
VD0620SBS02

Tot Ion: 56 Resp: 22278

Ion Ratio Lower Upper

56 100

55 71.5 62.1 93.1



Abundance Ion 55.95 (55.65 to 56.65): VDC

Ion 55.00 (54.70 to 55.70): VDC

2.47

12000

10000

8000

6000

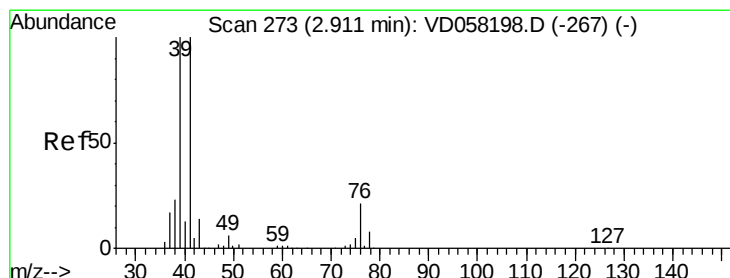
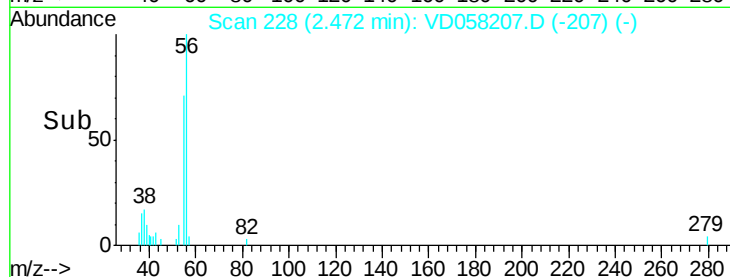
4000

2000

0

Time-->

2.40 2.45 2.50 2.55



#14

Allyl chloride

Concen: 21.52 ug/l

RT: 2.92 min Scan# 273

Delta R.T. 0.00 min

Lab File: VD058207.D

Acq: 20 Jun 2018 13:44

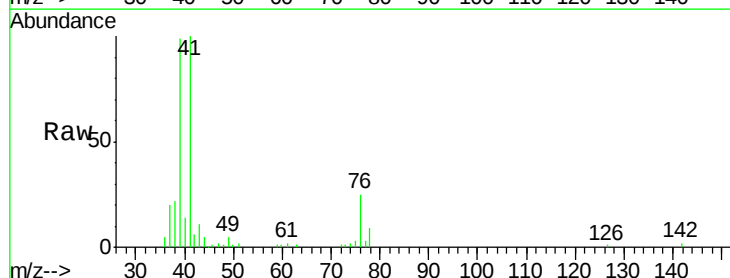
Tgt Ion: 41 Resp: 164943

Ion Ratio Lower Upper

41 100

39 99.1 80.1 120.1

76 24.7 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

15000

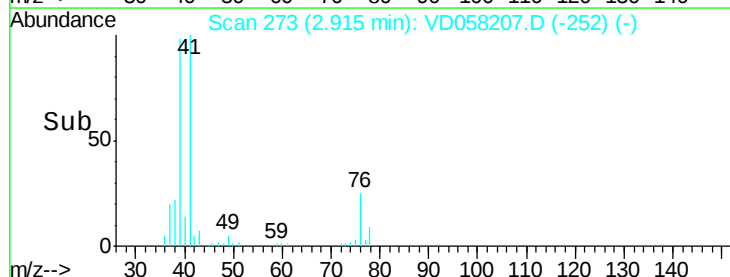
10000

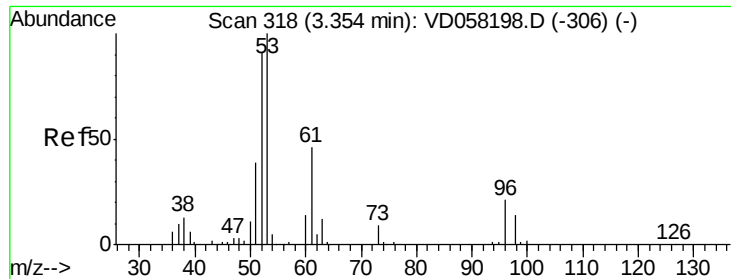
5000

0

Time-->

2.80 2.90 3.00 3.10





#15

Acrylonitrile

Concen: 103.81 ug/l

RT: 3.36 min Scan# 318

Delta R.T. 0.00 min

Lab File: VD058207.D

Acq: 20 Jun 2018 13:44

Instrument :

MSVOA_D

ClientSampleId :

VD0620SBS02

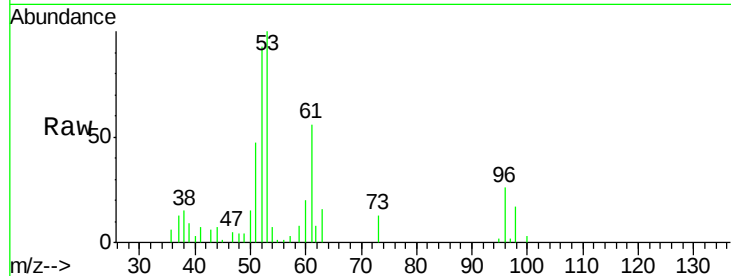
Tot Ion: 53 Resp: 87886

Ion Ratio Lower Upper

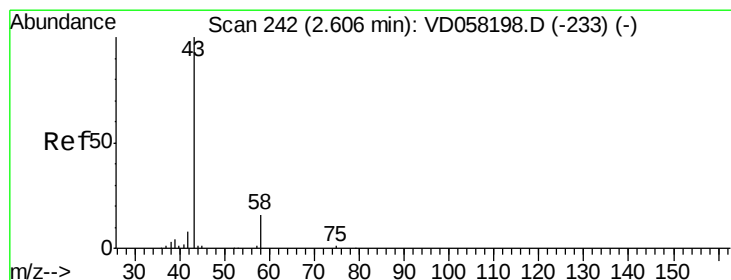
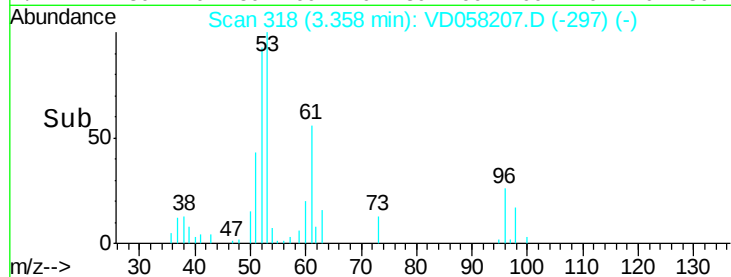
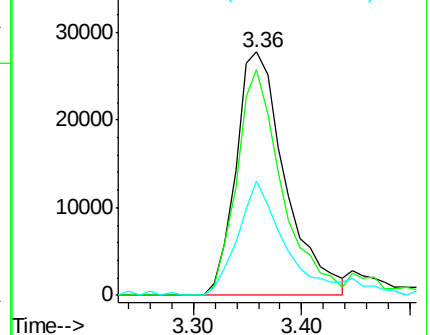
53 100

52 92.9 72.6 108.8

51 47.0 32.2 48.4



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



#16

Acetone

Concen: 107.06 ug/l

RT: 2.61 min Scan# 242

Delta R.T. 0.00 min

Lab File: VD058207.D

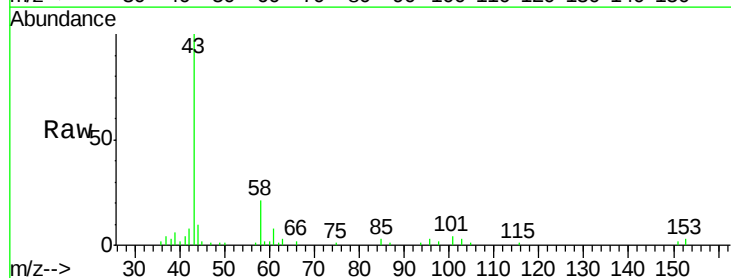
Acq: 20 Jun 2018 13:44

Tgt Ion: 43 Resp: 141729

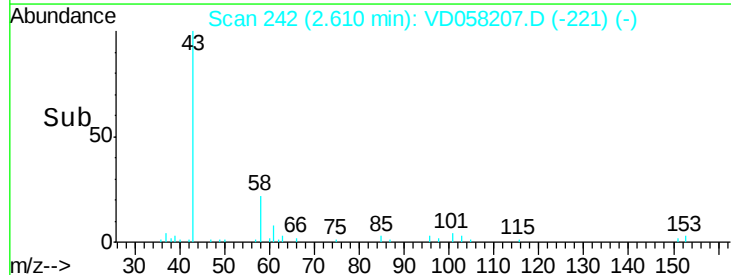
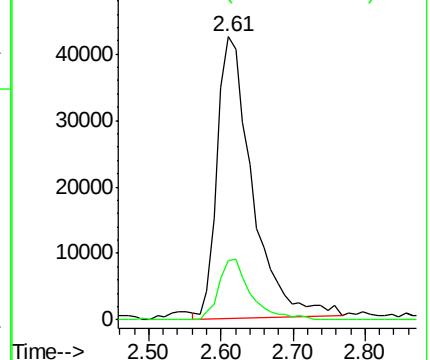
Ion Ratio Lower Upper

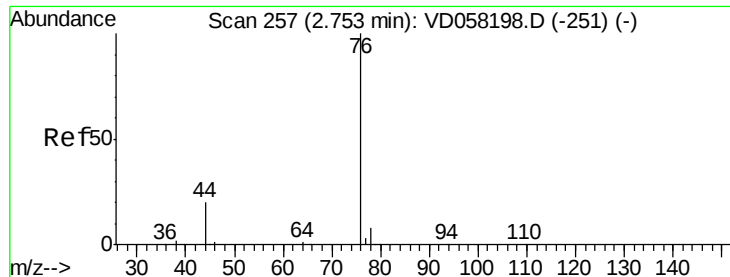
43 100

58 21.2 12.7 19.1#



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

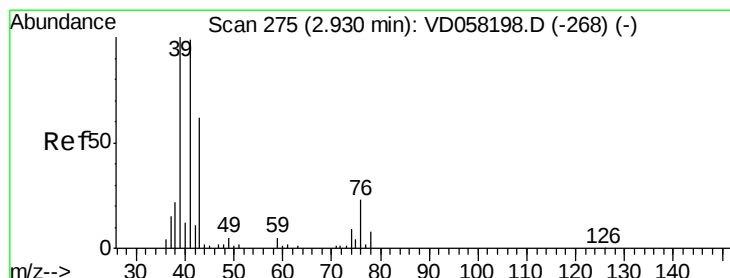
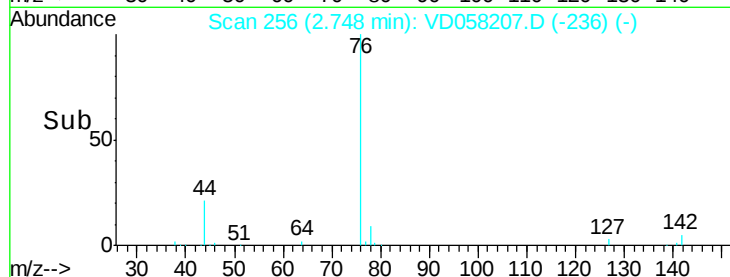
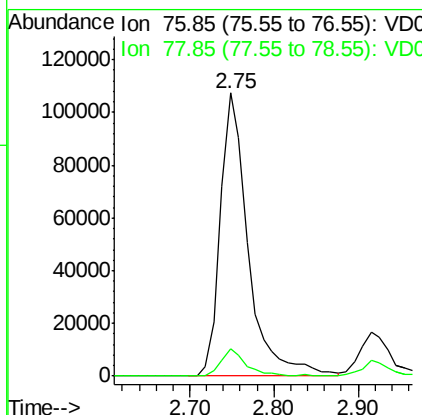
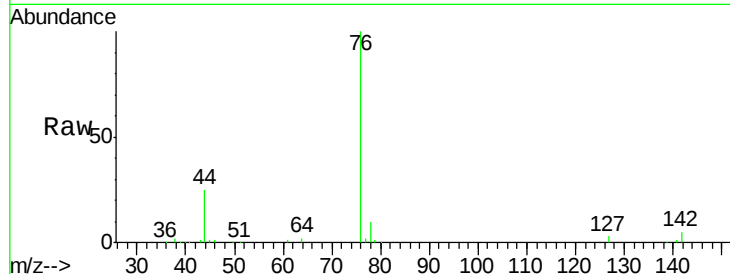




#17
Carbon Disulfide
Concen: 22.10 ug/l
RT: 2.75 min Scan# 256
Delta R.T. -0.01 min
Lab File: VD058207.D
Acq: 20 Jun 2018 13:44

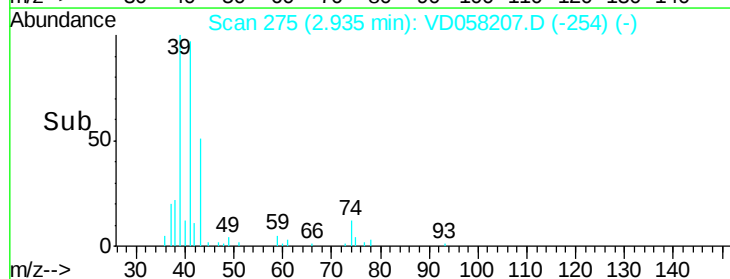
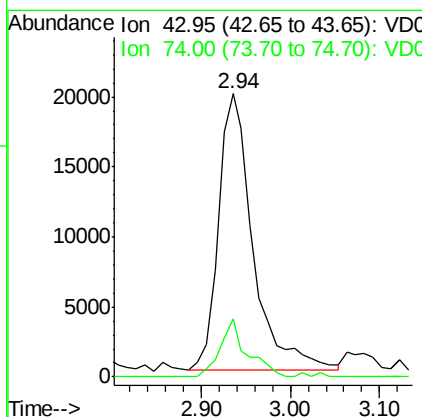
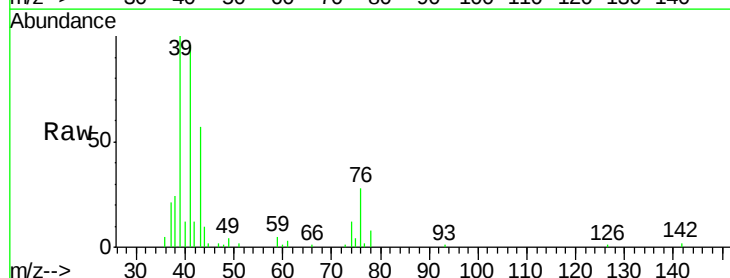
Instrument :
MSVOA_D
ClientSampleId :
VD0620SBSD02

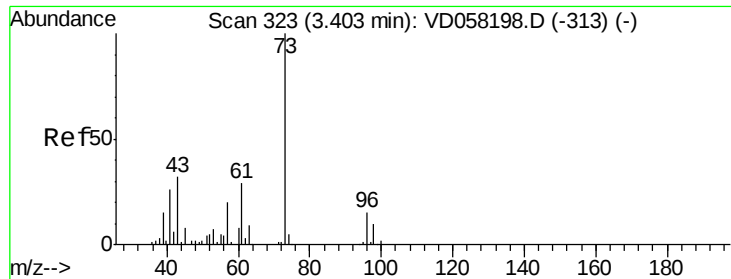
Tot Ion: 76 Resp: 247581
Ion Ratio Lower Upper
76 100
78 9.8 6.8 10.2



#18
Methyl Acetate
Concen: 19.02 ug/l
RT: 2.94 min Scan# 275
Delta R.T. 0.00 min
Lab File: VD058207.D
Acq: 20 Jun 2018 13:44

Tgt Ion: 43 Resp: 53687
Ion Ratio Lower Upper
43 100
74 20.4 11.7 17.5#

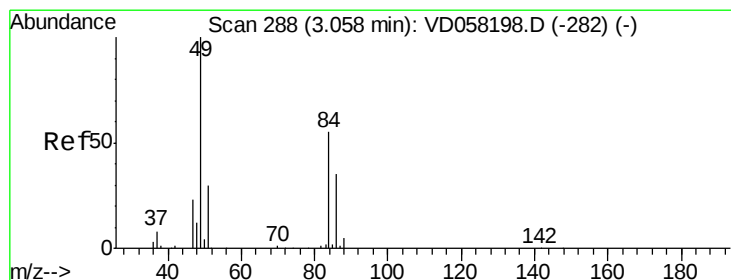
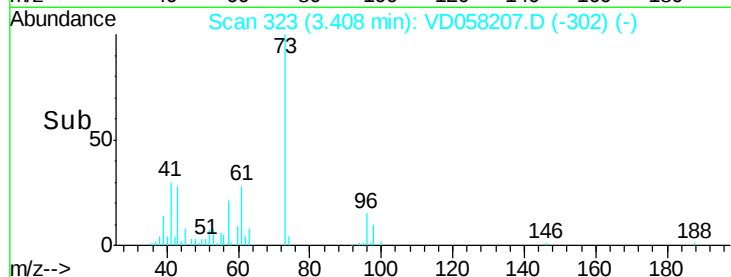
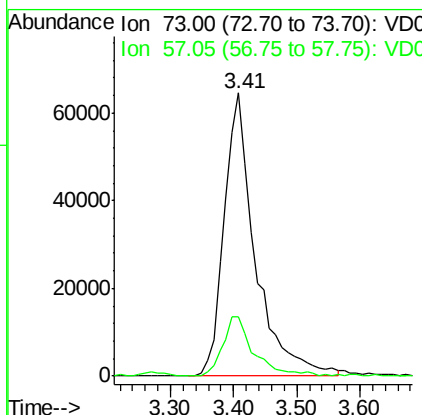
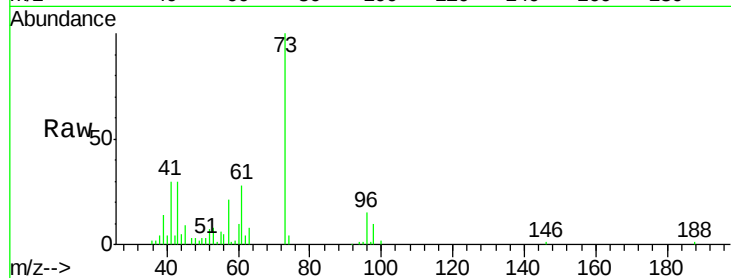




#19
Methvl tert-butvl Ether
Concen: 25.34 ug/l
RT: 3.41 min Scan# 323
Delta R.T. 0.00 min
Lab File: VD058207.D
Acq: 20 Jun 2018 13:44

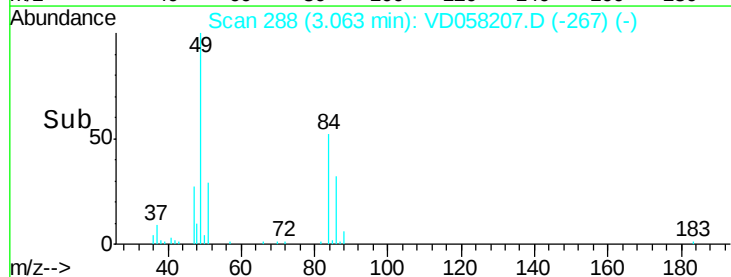
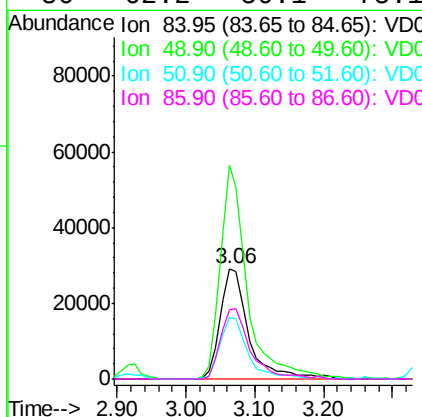
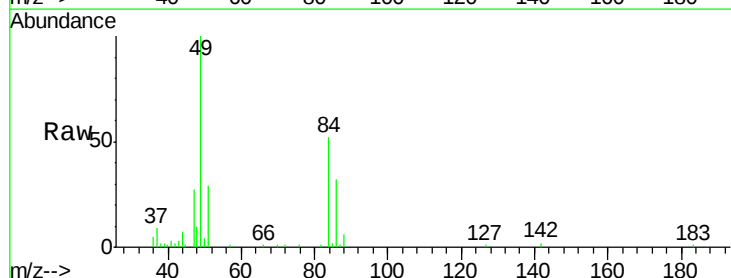
Instrument :
MSVOA_D
ClientSampleId :
VD0620SBSD02

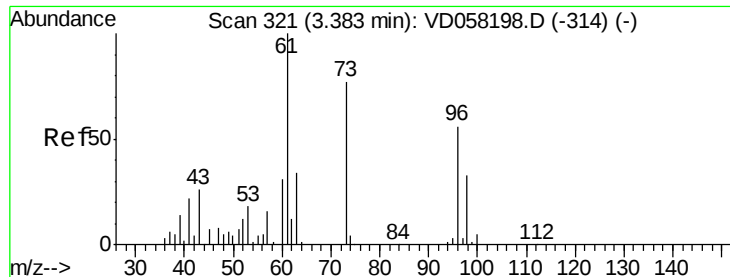
Tot Ion: 73 Resp: 221328
Ion Ratio Lower Upper
73 100
57 21.0 16.6 24.8



#20
Methylene Chloride
Concen: 21.37 ug/l
RT: 3.06 min Scan# 288
Delta R.T. 0.01 min
Lab File: VD058207.D
Acq: 20 Jun 2018 13:44

Tgt Ion: 84 Resp: 83271
Ion Ratio Lower Upper
84 100
49 192.9 145.0 217.6
51 55.6 42.9 64.3
86 62.2 50.1 75.1





#21

trans-1,2-Dichloroethene

Concen: 20.40 ug/l

RT: 3.38 min Scan# 320

Delta R.T. -0.01 min

Lab File: VD058207.D

Acq: 20 Jun 2018 13:44

Instrument :

MSVOA_D

ClientSampleId :

VD0620SBS02

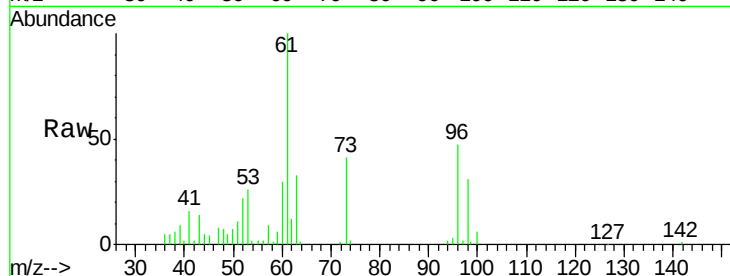
Tot Ion: 96 Resp: 73400

Ion Ratio Lower Upper

96 100

61 211.2 143.8 215.6

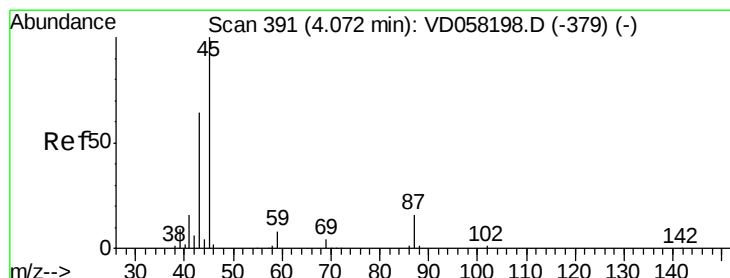
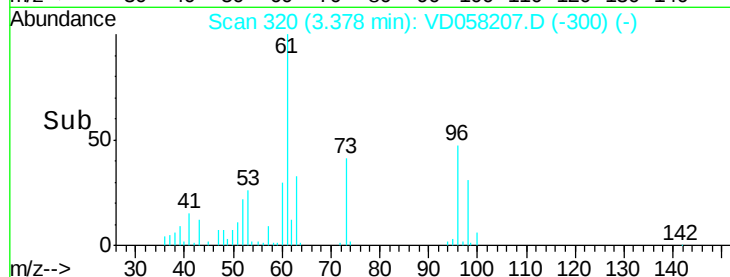
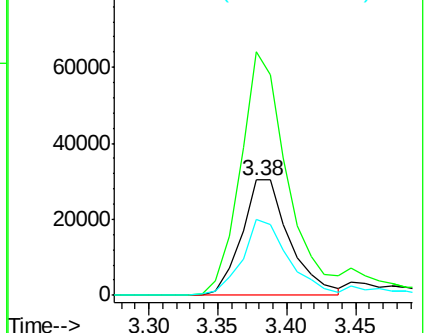
98 66.0 48.0 72.0



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: 21.86 ug/l

RT: 4.08 min Scan# 391

Delta R.T. 0.00 min

Lab File: VD058207.D

Acq: 20 Jun 2018 13:44

Tgt Ion: 45 Resp: 665365

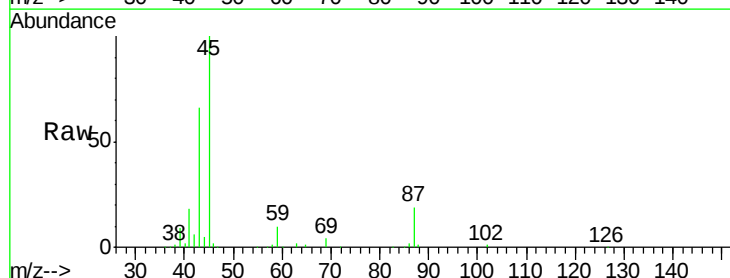
Ion Ratio Lower Upper

45 100

43 65.9 51.4 77.0

87 18.6 13.0 19.4

59 10.0 6.9 10.3

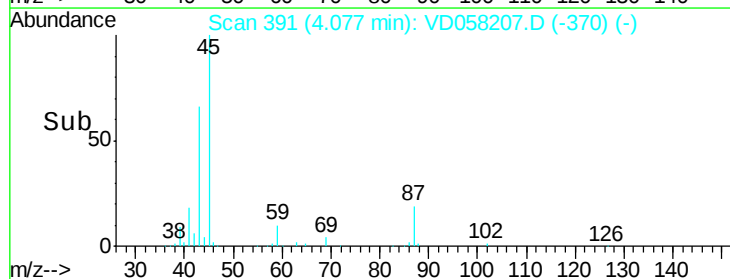
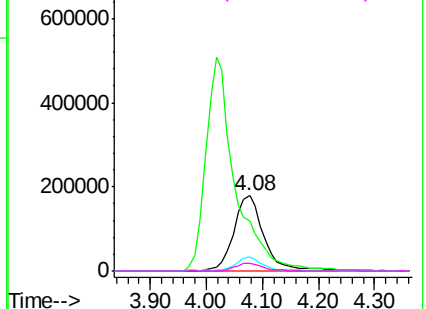


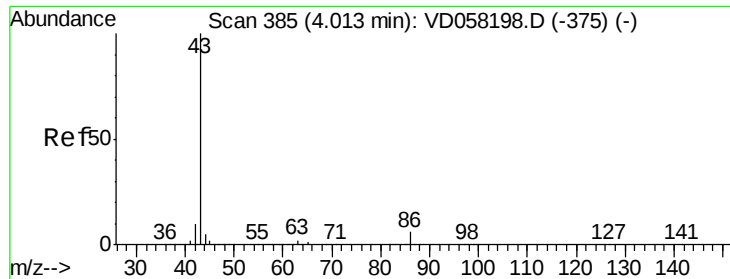
Abundance Ion 45.05 (44.75 to 45.75): VDC

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: 112.88 ug/l

RT: 4.02 min Scan# 385

Delta R.T. 0.00 min

Lab File: VD058207.D

Acq: 20 Jun 2018 13:44

Instrument :

MSVOA_D

ClientSampleId :

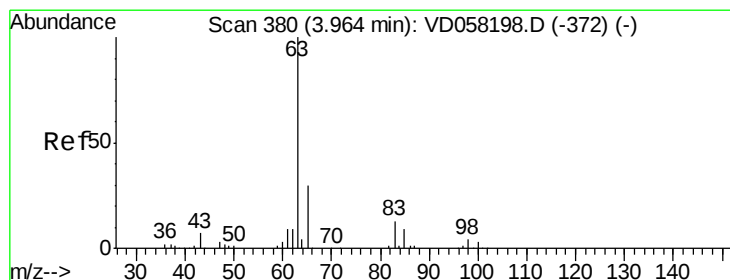
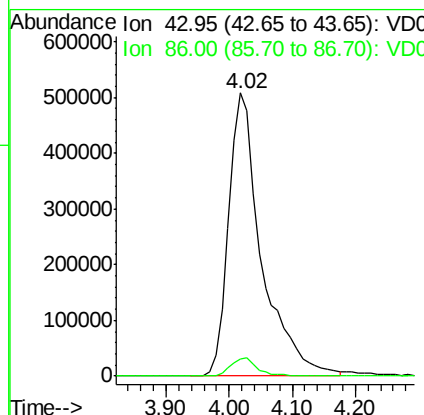
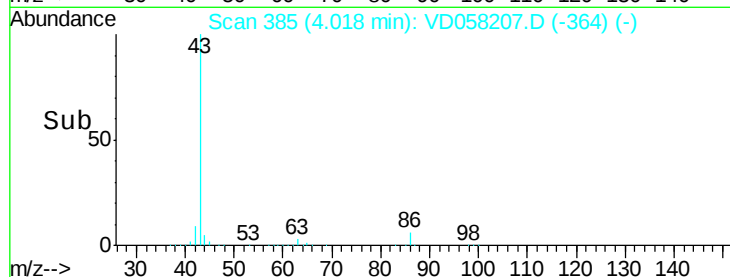
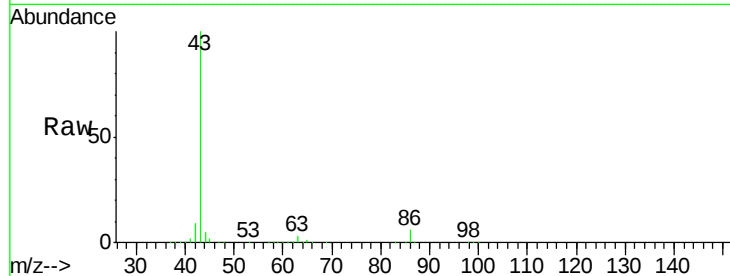
VD0620SBSD02

Tot Ion: 43 Resp: 1841646

Ion Ratio Lower Upper

43 100

86 6.3 5.0 7.4



#24

1,1-Dichloroethane

Concen: 22.43 ug/l

RT: 3.97 min Scan# 380

Delta R.T. 0.00 min

Lab File: VD058207.D

Acq: 20 Jun 2018 13:44

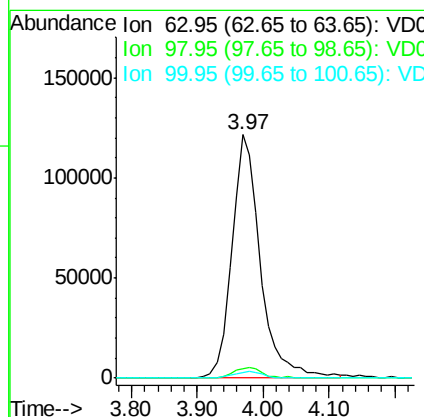
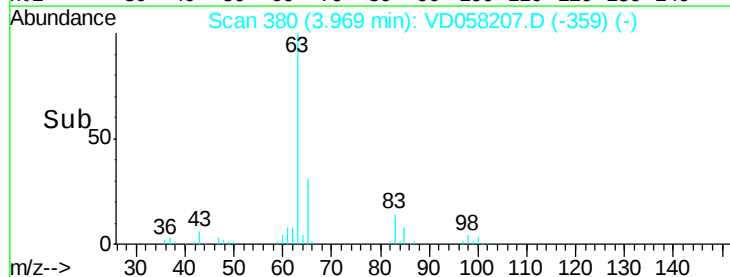
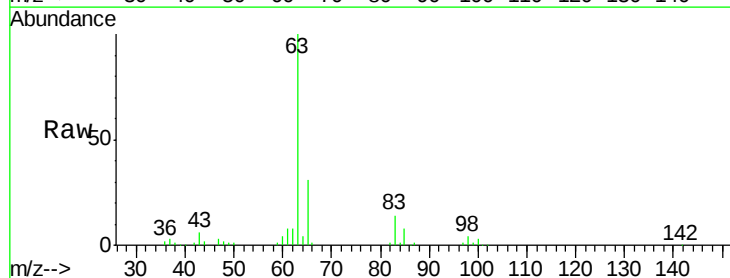
Tgt Ion: 63 Resp: 367800

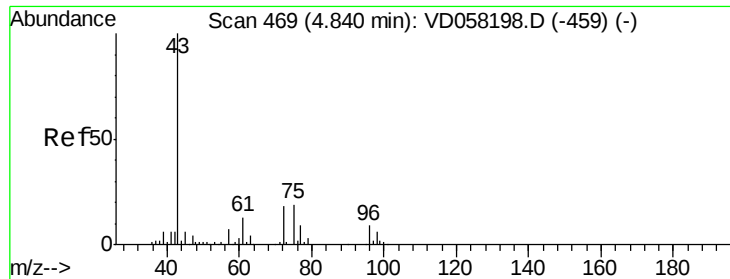
Ion Ratio Lower Upper

63 100

98 3.6 1.9 5.7

100 2.5 1.3 3.9





#25

2-Butanone

Concen: 109.72 ug/l

RT: 4.84 min Scan# 469

Delta R.T. 0.00 min

Lab File: VD058207.D

Acq: 20 Jun 2018 13:44

Instrument :

MSVOA_D

ClientSampleId :

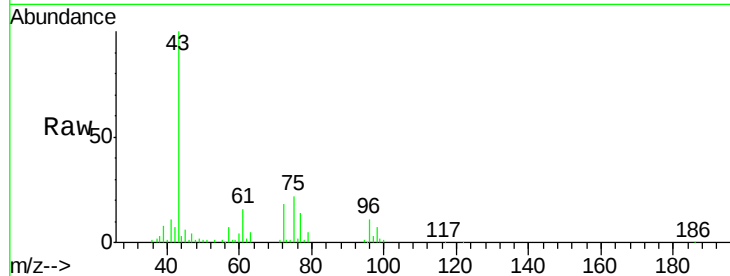
VD0620SBSD02

Tot Ion: 43 Resp: 316593

Ion Ratio Lower Upper

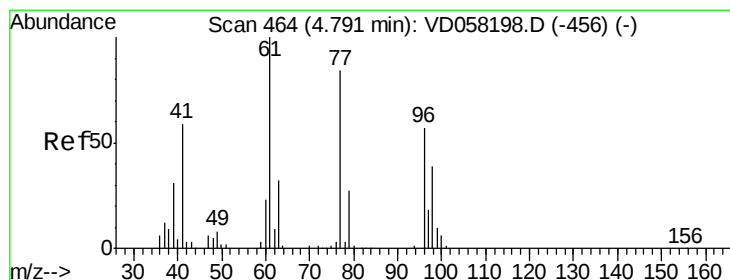
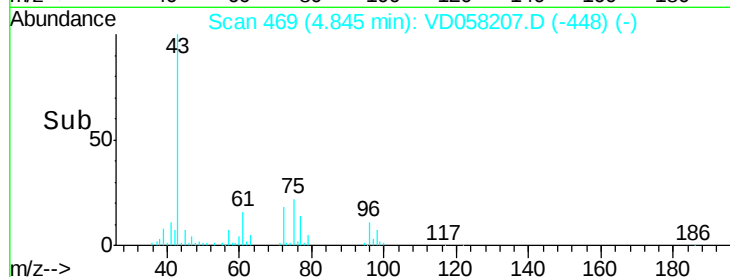
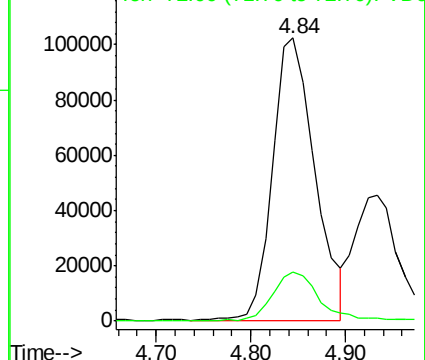
43 100

72 17.5 14.1 21.1



Abundance Ion 42.95 (42.65 to 43.65): VDC

Ion 72.00 (71.70 to 72.70): VDC



#26

2,2-Dichloropropane

Concen: 22.70 ug/l

RT: 4.80 min Scan# 464

Delta R.T. 0.00 min

Lab File: VD058207.D

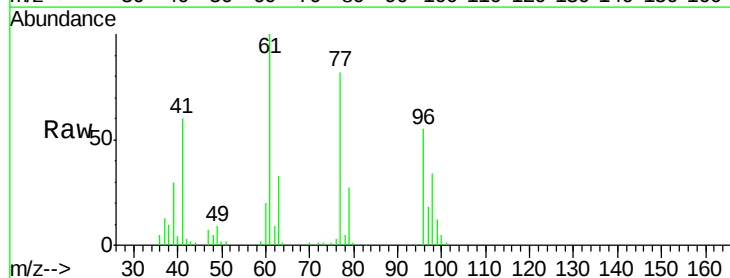
Acq: 20 Jun 2018 13:44

Tgt Ion: 77 Resp: 311714

Ion Ratio Lower Upper

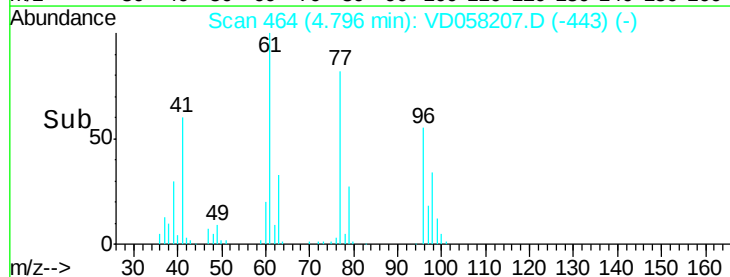
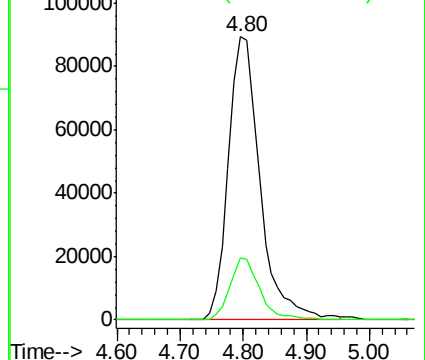
77 100

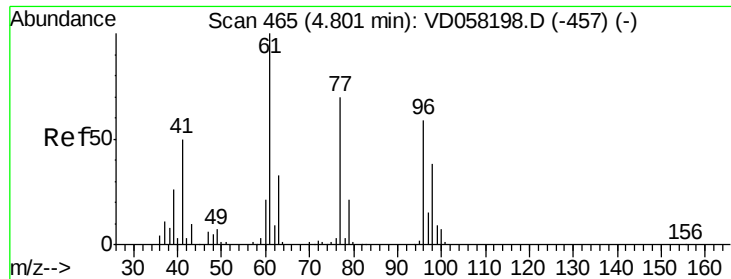
97 21.7 10.5 31.6



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: 23.05 ug/l

RT: 4.81 min Scan# 465

Delta R.T. 0.00 min

Lab File: VD058207.D

Acq: 20 Jun 2018 13:44

Instrument :

MSVOA_D

ClientSampleId :

VD0620SBSD02

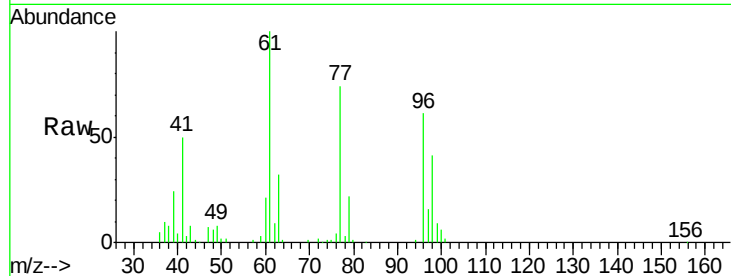
Tot Ion: 96 Resp: 207264

Ion Ratio Lower Upper

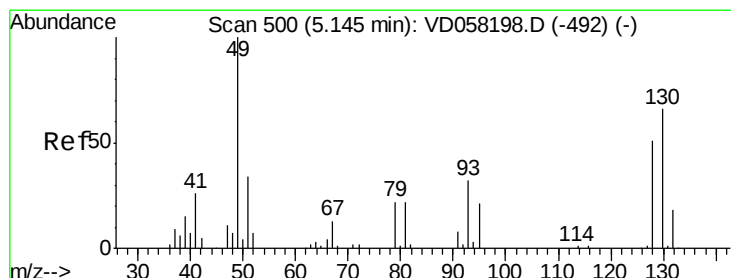
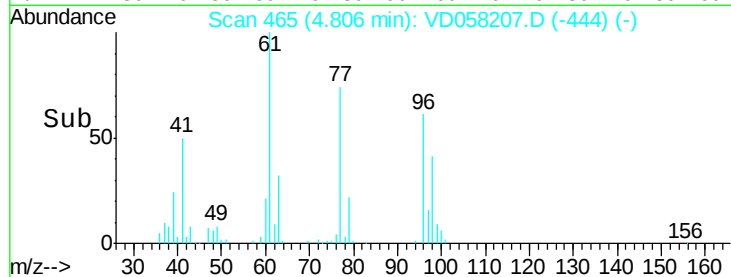
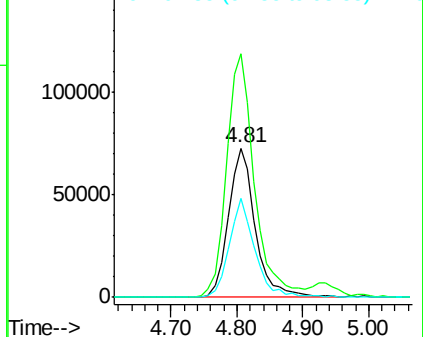
96 100

61 163.1 0.0 338.6

98 66.3 0.0 130.2



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



#28

Bromochloromethane

Concen: 22.30 ug/l

RT: 5.15 min Scan# 500

Delta R.T. 0.00 min

Lab File: VD058207.D

Acq: 20 Jun 2018 13:44

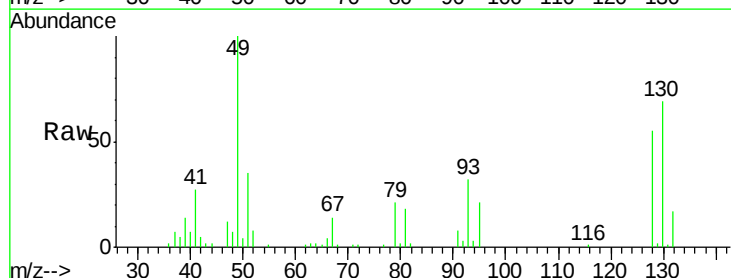
Tgt Ion: 49 Resp: 163933

Ion Ratio Lower Upper

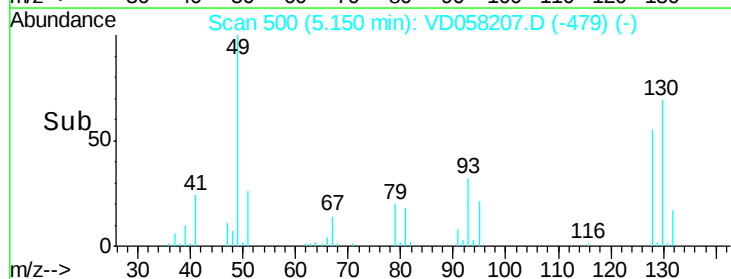
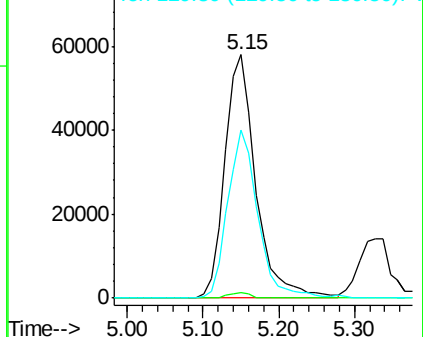
49 100

129 2.1 0.0 0.0#

130 69.1 52.6 79.0



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

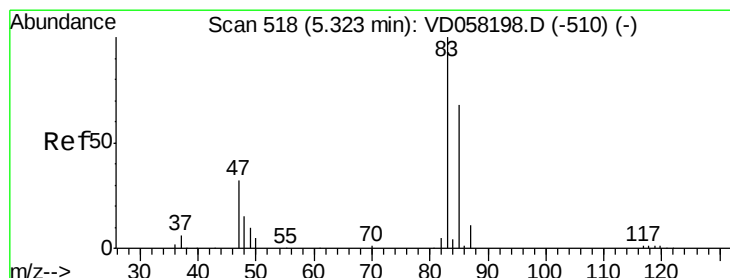
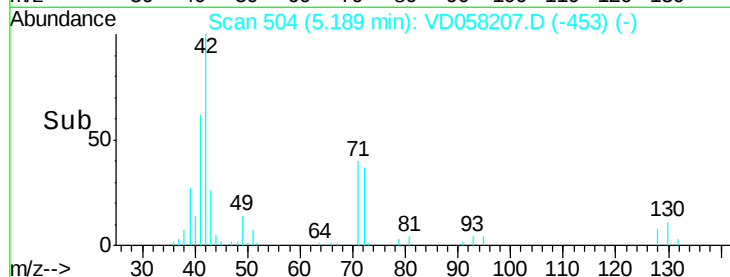
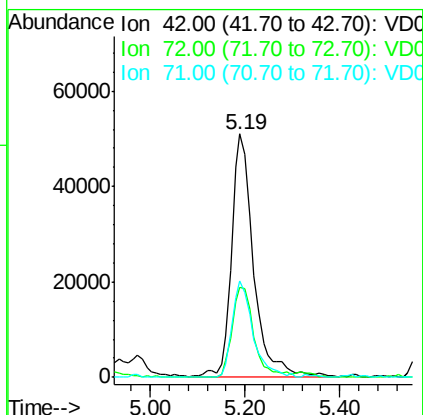
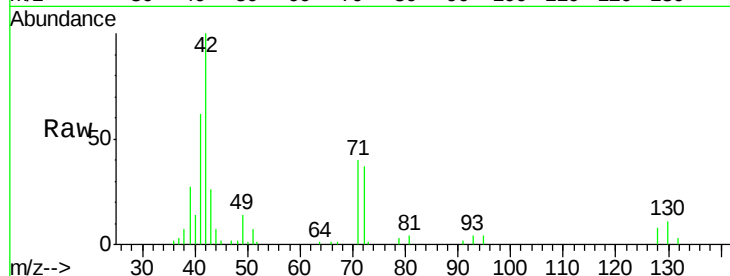




#29
Tetrahydrofuran
Concen: 108.00 ug/l
RT: 5.19 min Scan# 504
Delta R.T. 0.00 min
Lab File: VD058207.D
Acq: 20 Jun 2018 13:44

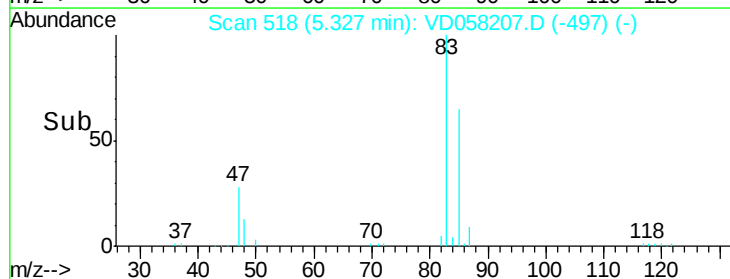
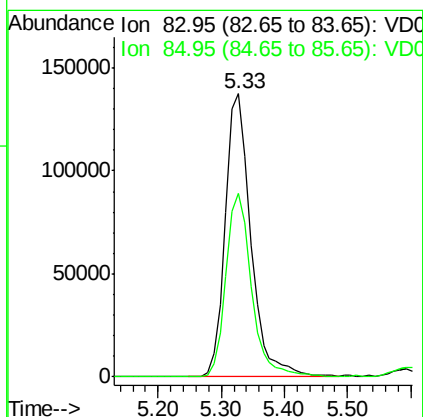
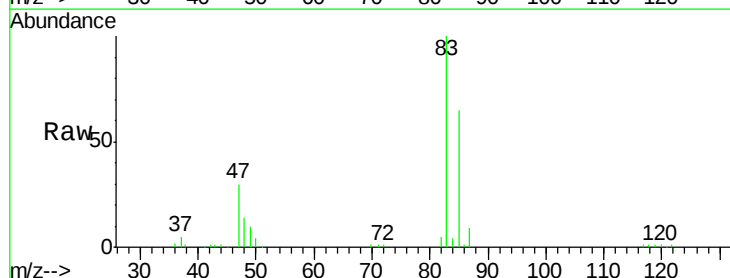
Instrument :
MSVOA_D
ClientSampleId :
VD0620SBS02

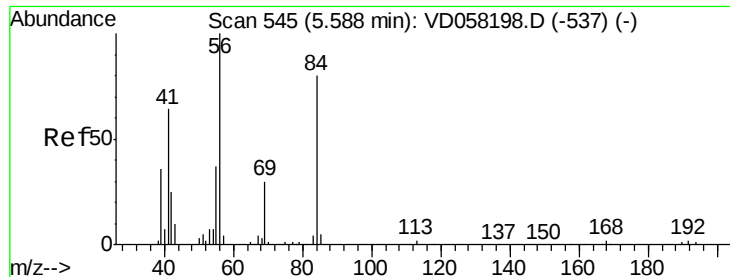
Tot Ion: 42 Resp: 165865
Ion Ratio Lower Upper
42 100
72 36.4 30.2 45.2
71 37.3 30.1 45.1



#30
Chloroform
Concen: 22.41 ug/l
RT: 5.33 min Scan# 518
Delta R.T. 0.00 min
Lab File: VD058207.D
Acq: 20 Jun 2018 13:44

Tgt Ion: 83 Resp: 388008
Ion Ratio Lower Upper
83 100
85 65.0 54.8 82.2





#31

Cyclohexane

Concen: 21.48 ug/l

RT: 5.59 min Scan# 545

Delta R.T. 0.01 min

Lab File: VD058207.D

Acq: 20 Jun 2018 13:44

Instrument :

MSVOA_D

ClientSampleId :

VD0620SBS02

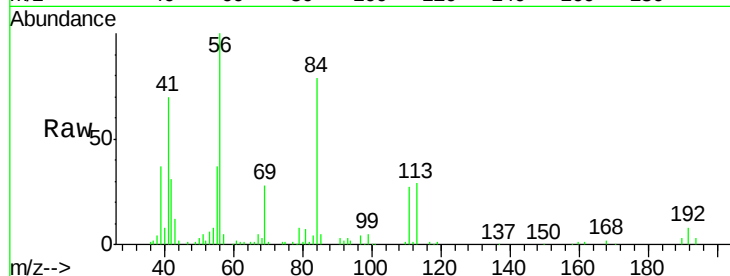
Tot Ion: 56 Resp: 291210

Ion Ratio Lower Upper

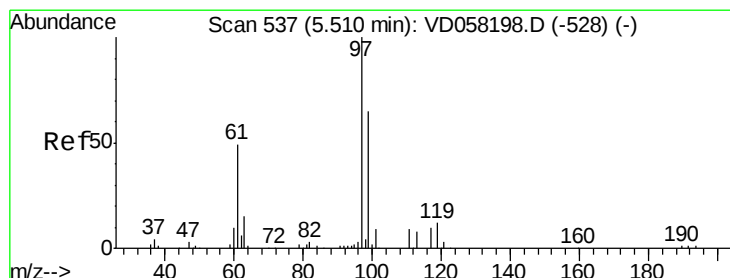
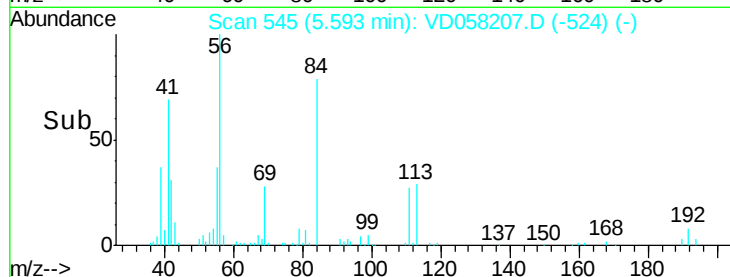
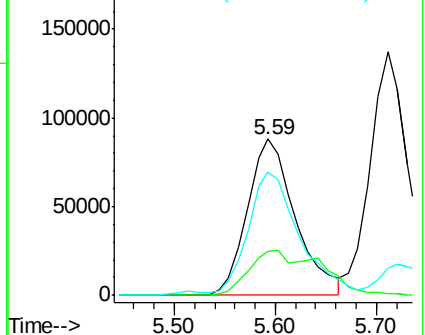
56 100

69 28.2 23.6 35.4

84 79.1 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: 21.94 ug/l

RT: 5.51 min Scan# 537

Delta R.T. 0.00 min

Lab File: VD058207.D

Acq: 20 Jun 2018 13:44

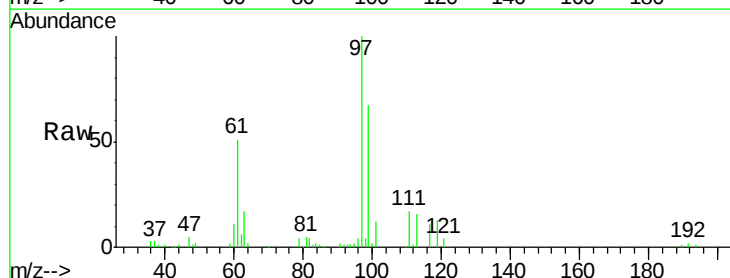
Tgt Ion: 97 Resp: 313799

Ion Ratio Lower Upper

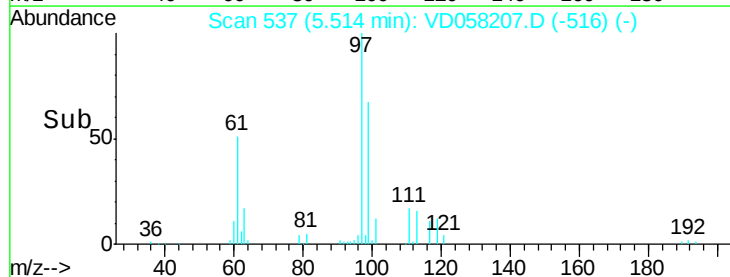
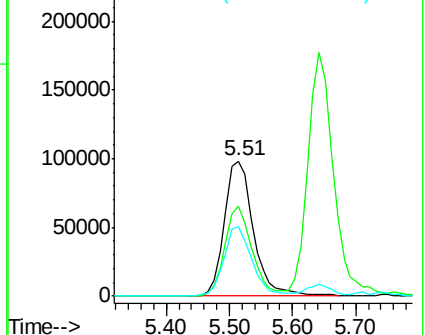
97 100

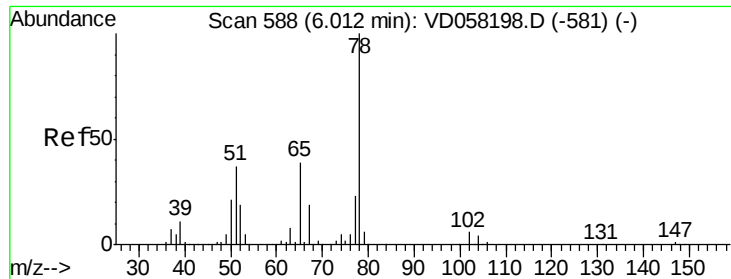
99 66.7 52.2 78.4

61 51.1 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: 21.94 ug/l

RT: 6.02 min Scan# 588

Delta R.T. 0.00 min

Lab File: VD058207.D

Acq: 20 Jun 2018 13:44

Instrument :

MSVOA_D

ClientSampleId :

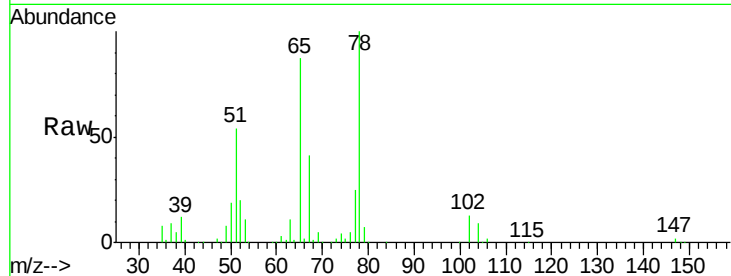
VD0620SBSD02

Tot Ion: 65 Resp: 523457

Ion Ratio Lower Upper

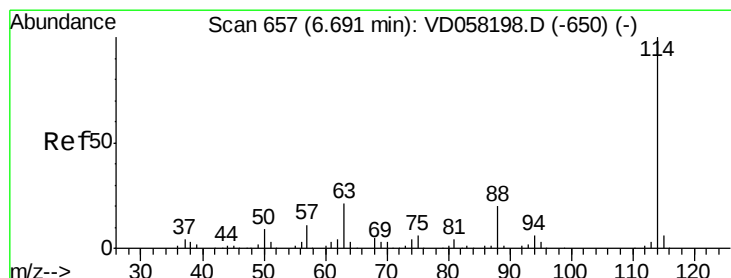
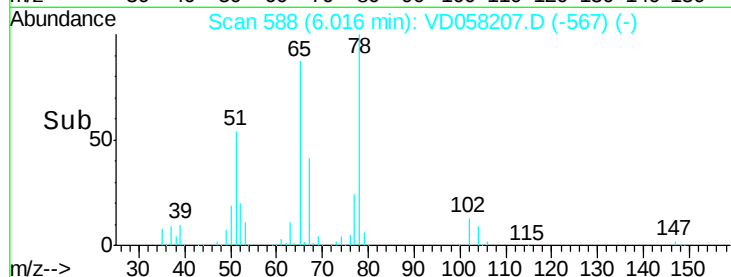
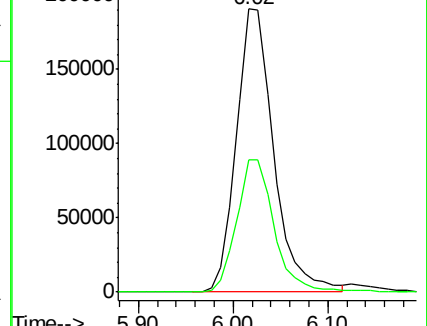
65 100

67 46.9 0.0 97.8



Abundance Ion 64.95 (64.65 to 65.65): VDC

Ion 66.90 (66.60 to 67.60): VDC



#34

1,4-Difluorobenzene

Concen: 50.00 ug/l

RT: 6.70 min Scan# 657

Delta R.T. 0.00 min

Lab File: VD058207.D

Acq: 20 Jun 2018 13:44

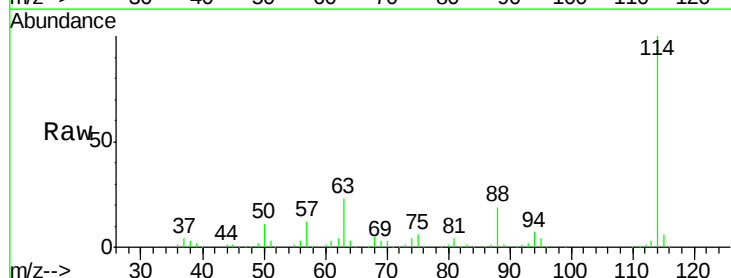
Tgt Ion: 114 Resp: 1235942

Ion Ratio Lower Upper

114 100

63 22.7 0.0 42.6

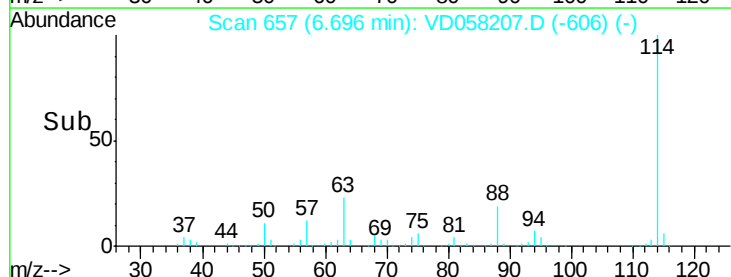
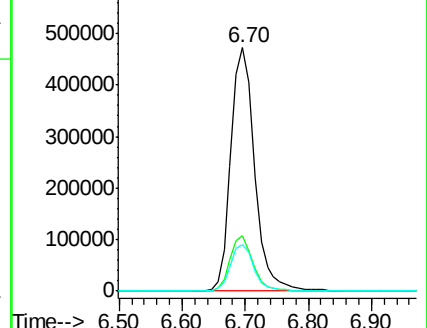
88 19.2 0.0 40.6

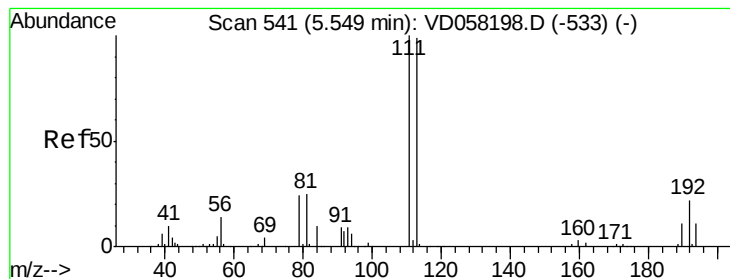


Abundance Ion 114.00 (113.70 to 114.70): V

Ion 62.95 (62.65 to 63.65): VDC

Ion 87.90 (87.60 to 88.60): VDC





#35

Dibromofluoromethane

Concen: 50.00 ug/l

RT: 5.55 min Scan# 541

Delta R.T. 0.00 min

Lab File: VD058207.D

Acq: 20 Jun 2018 13:44

Instrument :

MSVOA_D

ClientSampleId :

VD0620SBSD02

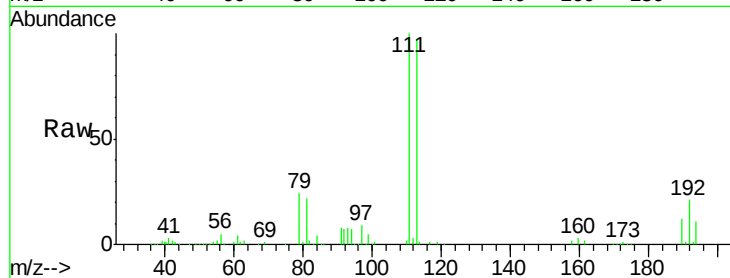
Tot Ion:113 Resp: 542789

Ion Ratio Lower Upper

113 100

111 103.6 80.6 121.0

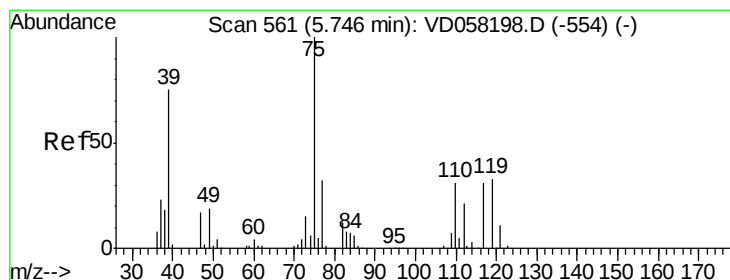
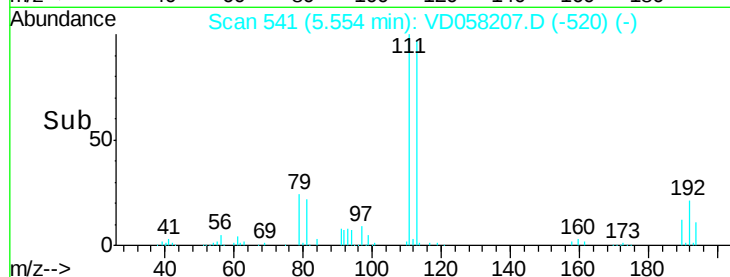
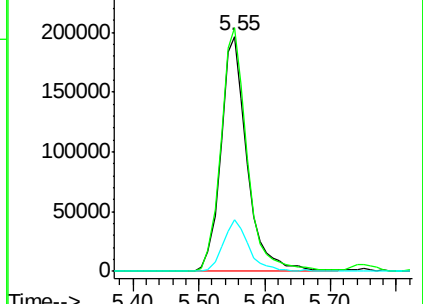
192 21.8 17.8 26.6



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: 21.68 ug/l

RT: 5.75 min Scan# 561

Delta R.T. 0.00 min

Lab File: VD058207.D

Acq: 20 Jun 2018 13:44

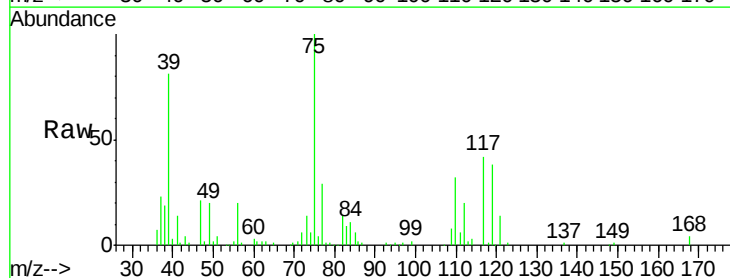
Tgt Ion: 75 Resp: 265069

Ion Ratio Lower Upper

75 100

110 31.5 15.4 46.4

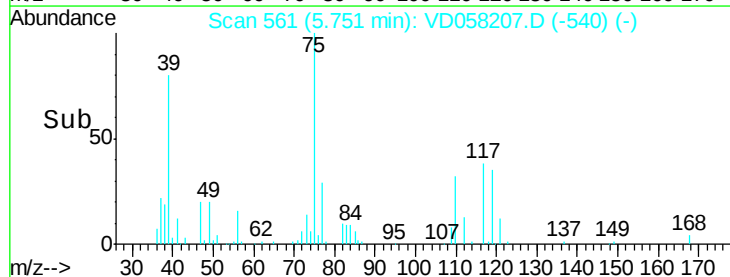
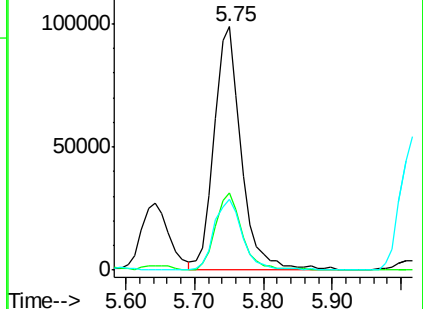
77 29.2 25.4 38.2

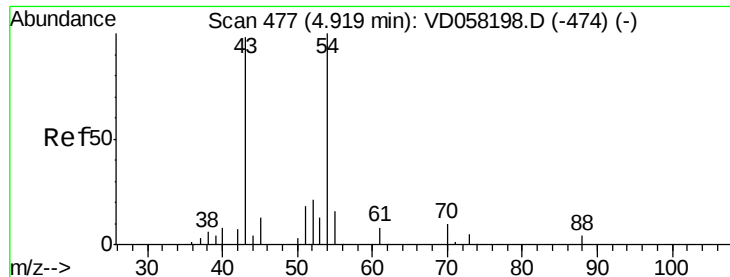


Abundance Ion 75.00 (74.70 to 75.70): V

Ion 109.90 (109.60 to 110.60): V

Ion 76.95 (76.65 to 77.65): V





#37

Ethyl Acetate

Concen: 21.35 ug/l

RT: 4.93 min Scan# 478

Delta R.T. 0.01 min

Lab File: VD058207.D

Acq: 20 Jun 2018 13:44

Instrument :

MSVOA_D

ClientSampleId :

VD0620SBS02

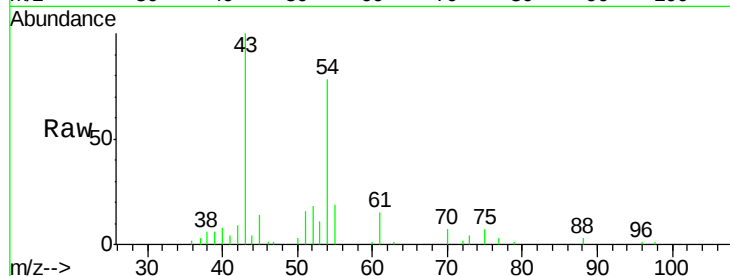
Tot Ion: 43 Resp: 148697

Ion Ratio Lower Upper

43 100

61 15.3 10.3 15.5

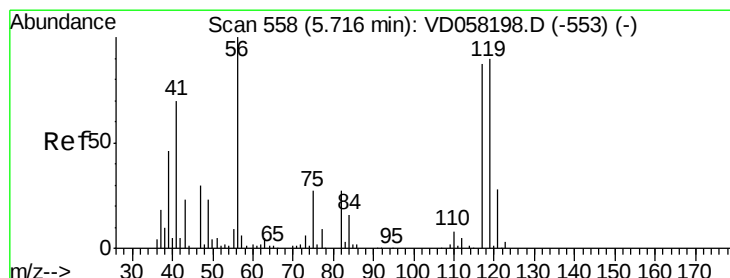
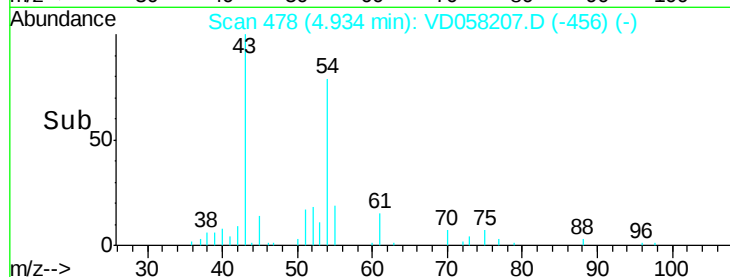
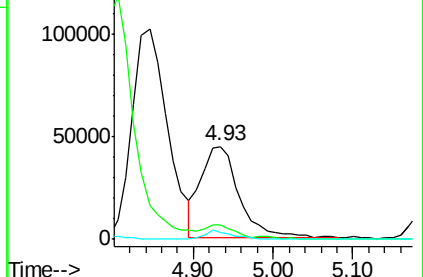
70 7.2 5.7 8.5



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: 22.22 ug/l

RT: 5.72 min Scan# 558

Delta R.T. 0.00 min

Lab File: VD058207.D

Acq: 20 Jun 2018 13:44

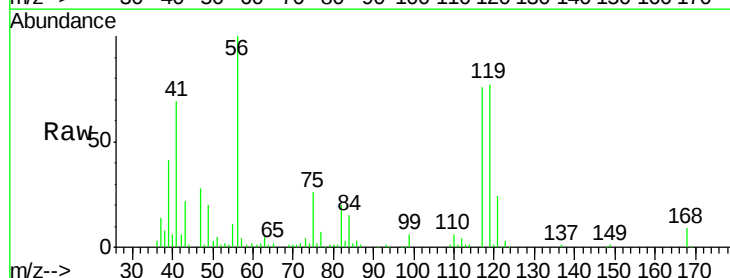
Tgt Ion: 117 Resp: 269999

Ion Ratio Lower Upper

117 100

119 100.7 78.8 118.2

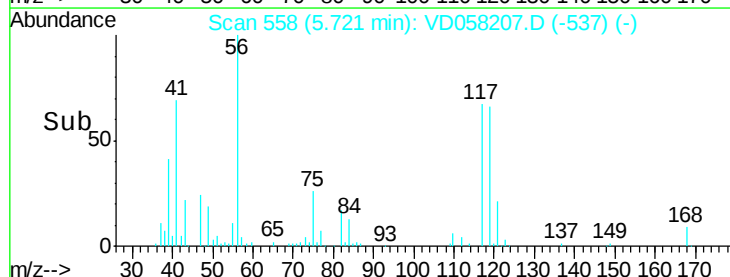
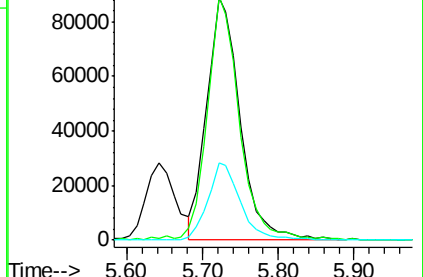
121 31.8 25.0 37.6

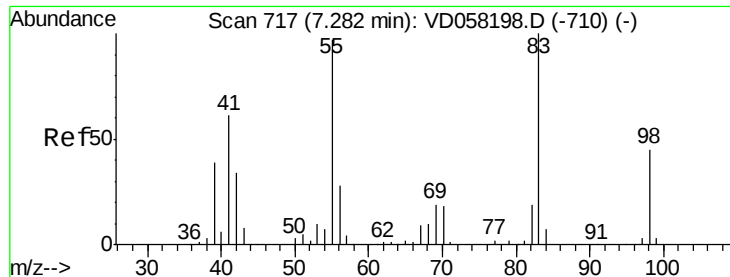


Abundance Ion 116.85 (116.55 to 117.55): V

Ion 118.85 (118.55 to 119.55): V

Ion 120.85 (120.55 to 121.55): V

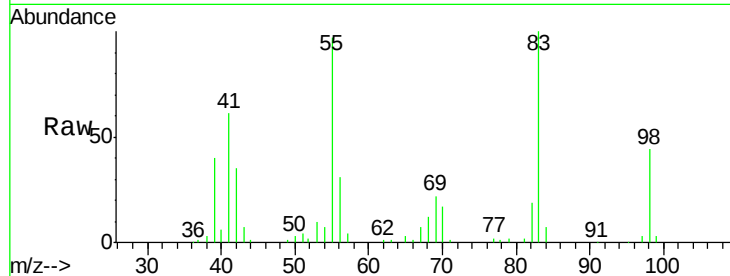




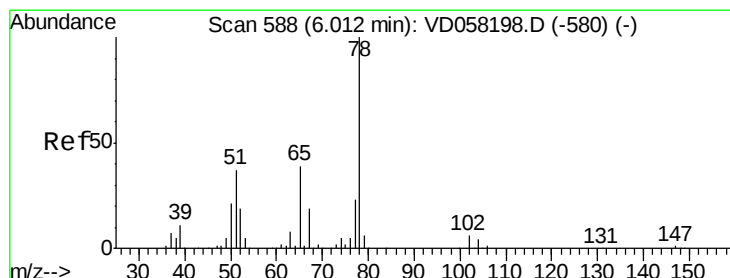
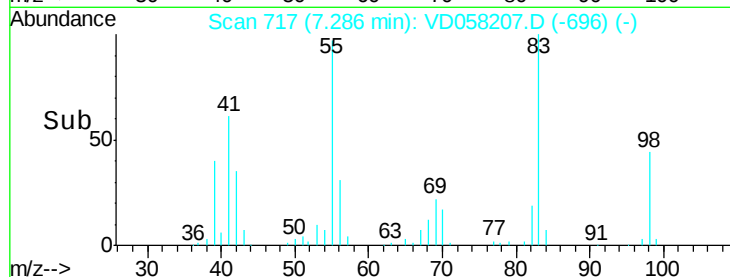
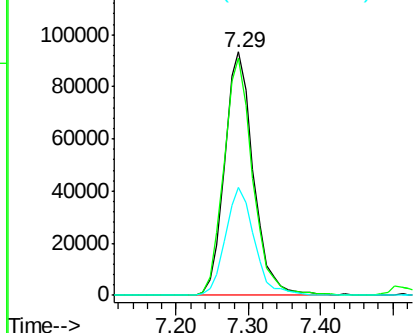
#39
Methvlcvclohexane
Concen: 21.65 ug/l
RT: 7.29 min Scan# 717
Delta R.T. 0.00 min
Lab File: VD058207.D
Acq: 20 Jun 2018 13:44

Instrument :
MSVOA_D
ClientSampleId :
VD0620SBSD02

Tot Ion: 83 Resp: 257882
Ion Ratio Lower Upper
83 100
55 97.5 77.4 116.2
98 44.2 35.9 53.9

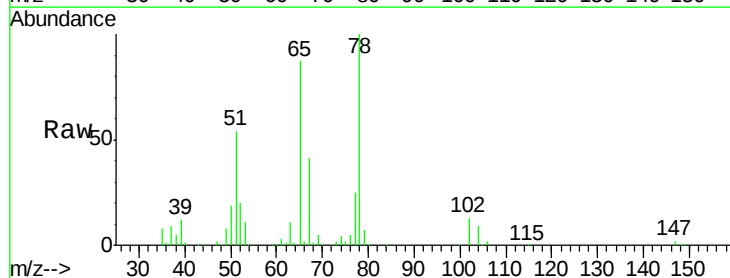


Abundance Ion 83.05 (82.75 to 83.75): VDC
Ion 55.00 (54.70 to 55.70): VDC
Ion 98.05 (97.75 to 98.75): VDC

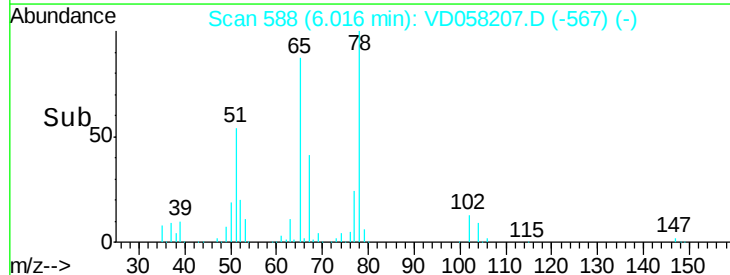
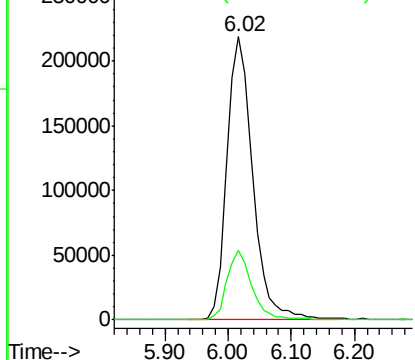


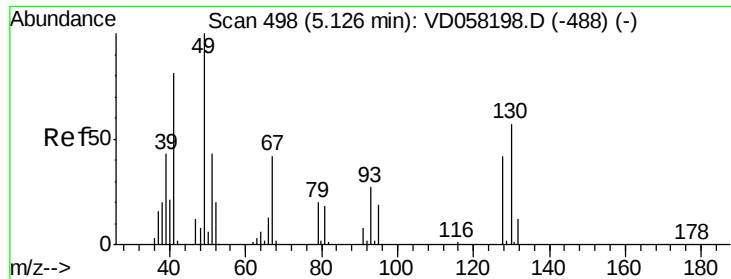
#40
Benzene
Concen: 21.28 ug/l
RT: 6.02 min Scan# 588
Delta R.T. 0.00 min
Lab File: VD058207.D
Acq: 20 Jun 2018 13:44

Tgt Ion: 78 Resp: 619878
Ion Ratio Lower Upper
78 100
77 24.7 18.5 27.7



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

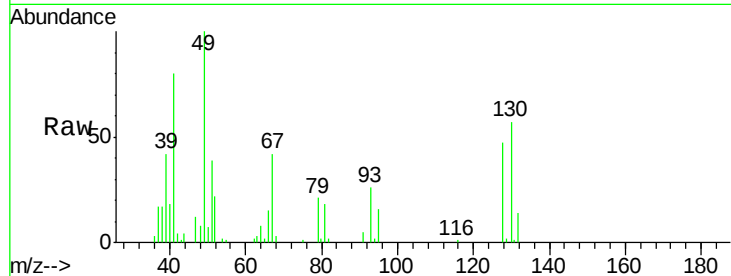




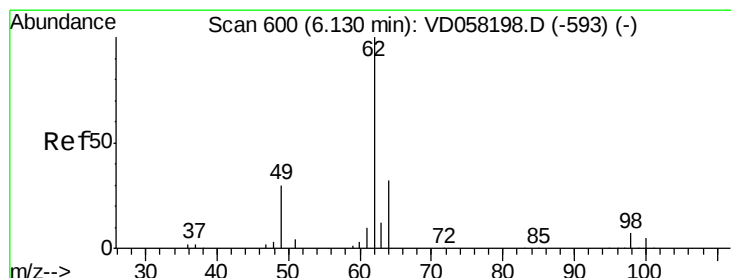
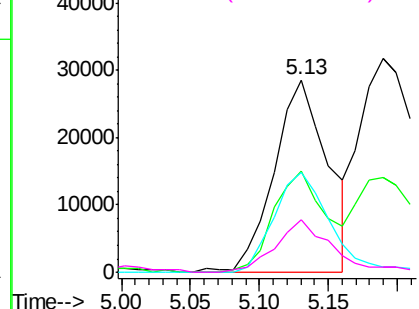
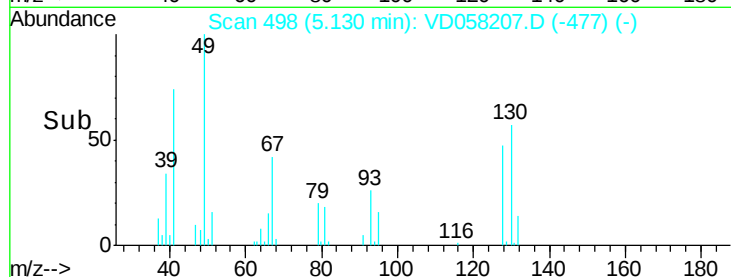
#41
Methacrylonitrile
Concen: 23.03 ug/l
RT: 5.13 min Scan# 498
Delta R.T. 0.00 min
Lab File: VD058207.D
Acq: 20 Jun 2018 13:44

Instrument :
MSVOA_D
ClientSampleId :
VD0620SBSD02

Tot Ion: 41 Resp: 77483
Ion Ratio Lower Upper
41 100
39 52.3 43.4 65.2
67 51.6 41.7 62.5
52 27.6 20.6 30.8

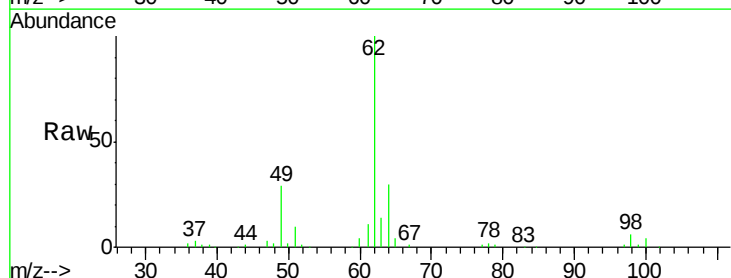


Abundance Ion 40.95 (40.65 to 41.65): VDC
Ion 38.95 (38.65 to 39.65): VDC
Ion 67.00 (66.70 to 67.70): VDC
Ion 52.00 (51.70 to 52.70): VDC

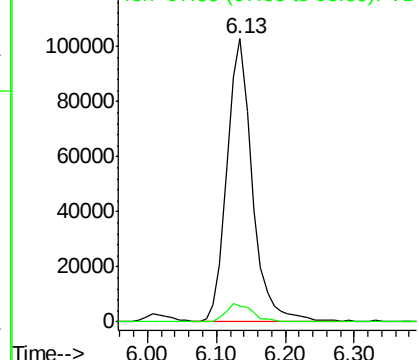
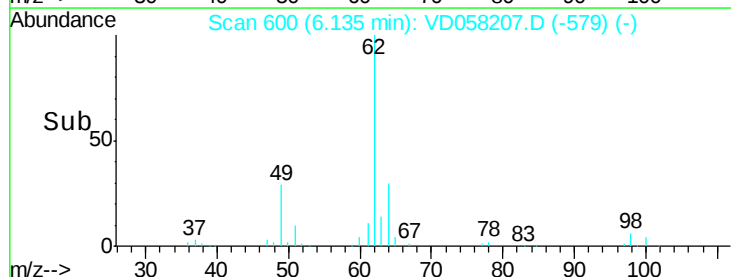


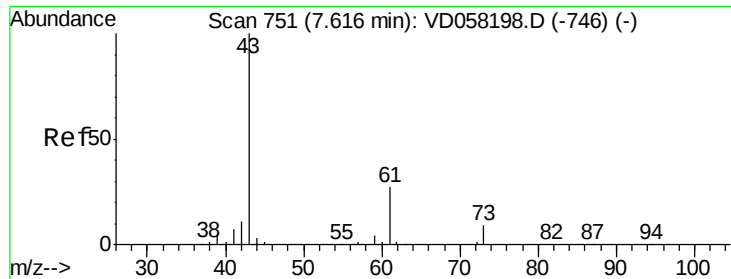
#42
1,2-Dichloroethane
Concen: 22.41 ug/l
RT: 6.13 min Scan# 600
Delta R.T. 0.00 min
Lab File: VD058207.D
Acq: 20 Jun 2018 13:44

Tgt Ion: 62 Resp: 263188
Ion Ratio Lower Upper
62 100
98 5.5 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: 21.21 ug/l

RT: 7.62 min Scan# 751

Delta R.T. 0.00 min

Lab File: VD058207.D

Acq: 20 Jun 2018 13:44

Instrument :

MSVOA_D

ClientSampleId :

VD0620SBS02

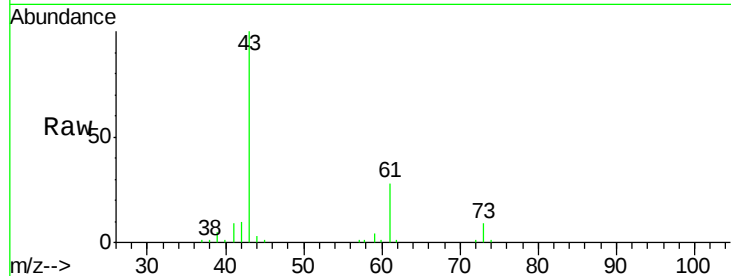
Tot Ion: 43 Resp: 196970

Ion Ratio Lower Upper

43 100

61 27.7 21.8 32.6

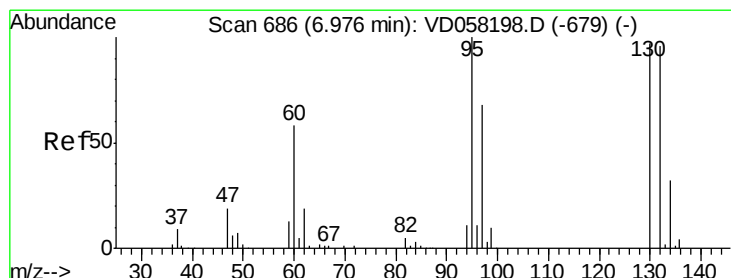
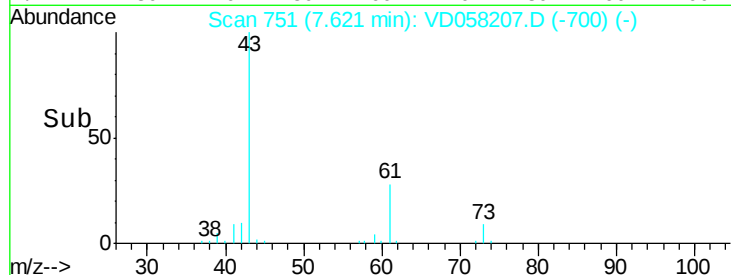
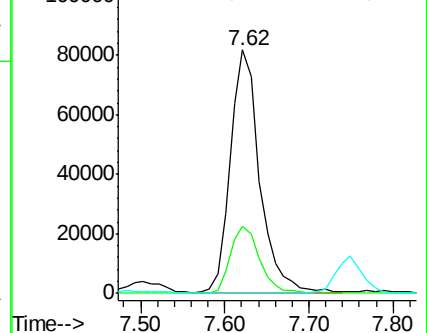
87 0.0 0.3 0.5#



Abundance Ion 42.95 (42.65 to 43.65): VDC

Ion 60.95 (60.65 to 61.65): VDC

Ion 87.00 (86.70 to 87.70): VDC



#44

Trichloroethene

Concen: 21.00 ug/l

RT: 6.98 min Scan# 686

Delta R.T. 0.00 min

Lab File: VD058207.D

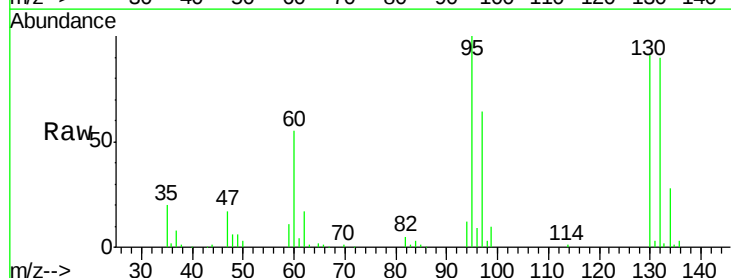
Acq: 20 Jun 2018 13:44

Tgt Ion:130 Resp: 183687

Ion Ratio Lower Upper

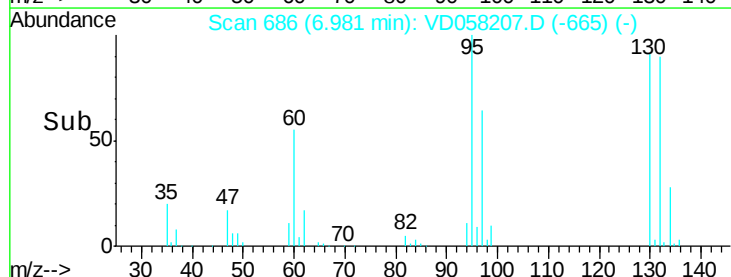
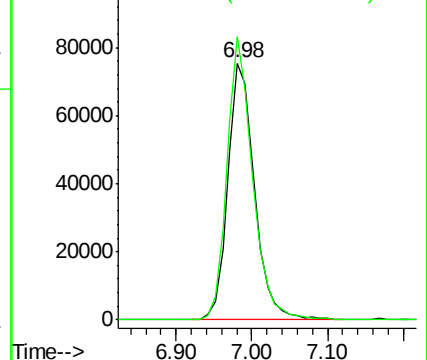
130 100

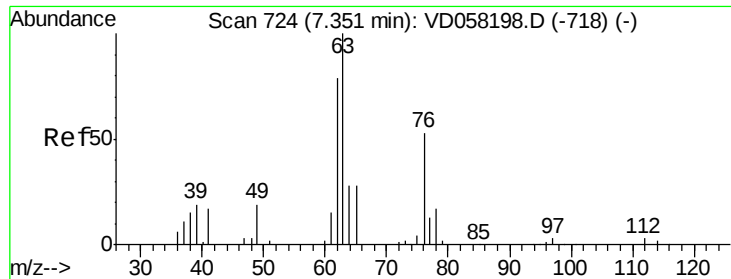
95 110.3 0.0 205.6



Abundance Ion 129.80 (129.50 to 130.50): V

Ion 94.90 (94.60 to 95.60): VDC





#45

1,2-Dichloropropane

Concen: 22.82 ug/l

RT: 7.36 min Scan# 724

Delta R.T. 0.00 min

Lab File: VD058207.D

Acq: 20 Jun 2018 13:44

Instrument :

MSVOA_D

ClientSampleId :

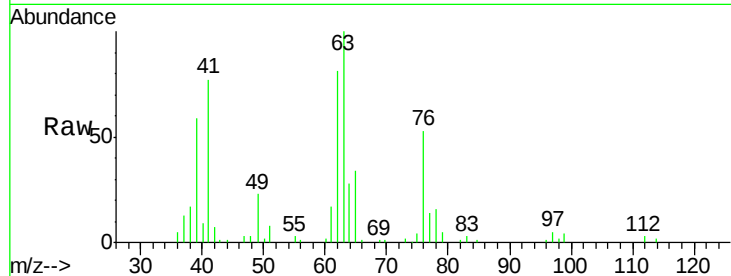
VD0620SBS02

Tot Ion: 63 Resp: 179025

Ion Ratio Lower Upper

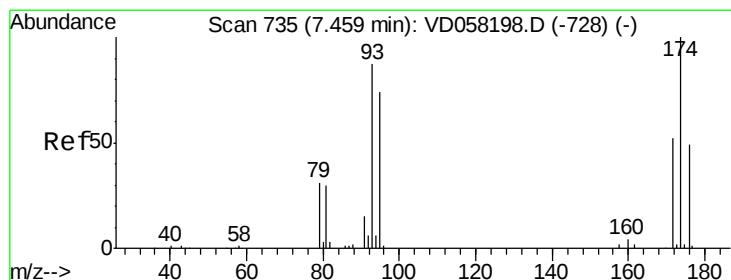
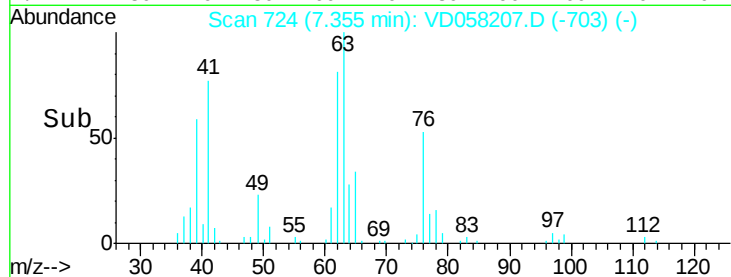
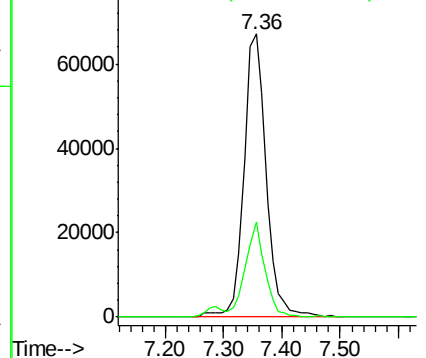
63 100

65 33.5 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: 21.59 ug/l

RT: 7.46 min Scan# 735

Delta R.T. 0.00 min

Lab File: VD058207.D

Acq: 20 Jun 2018 13:44

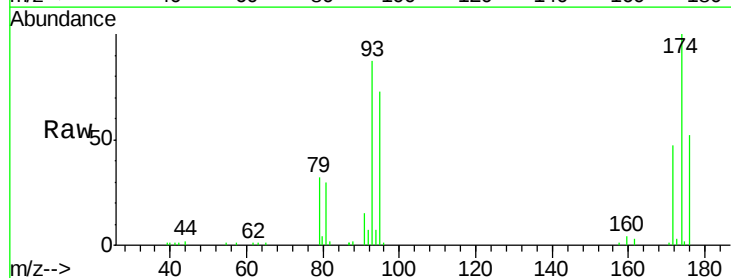
Tgt Ion: 93 Resp: 115617

Ion Ratio Lower Upper

93 100

95 84.2 67.8 101.6

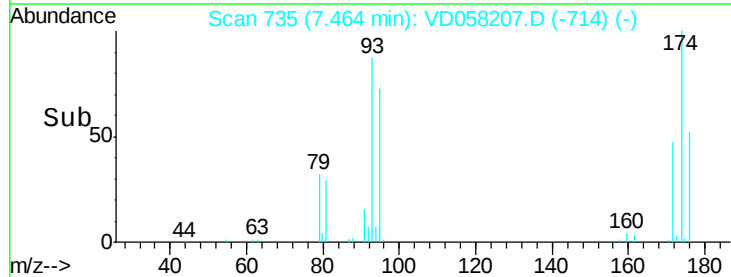
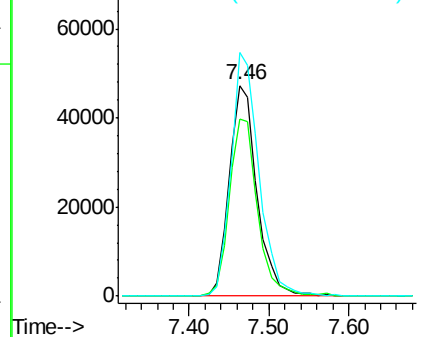
174 115.4 92.2 138.2

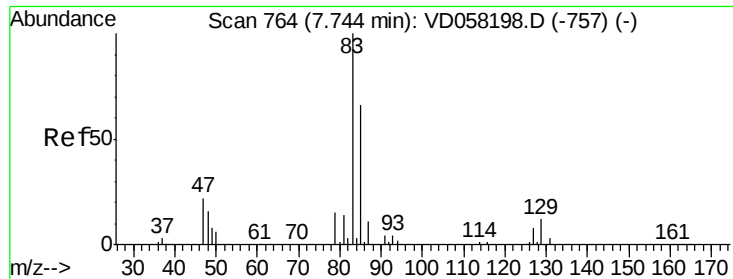


Abundance Ion 92.90 (92.60 to 93.60): VDC

Ion 94.90 (94.60 to 95.60): VDC

Ion 173.80 (173.50 to 174.50): VDC





#47

Bromodichloromethane

Concen: 22.52 ug/l

RT: 7.75 min Scan# 764

Delta R.T. 0.00 min

Lab File: VD058207.D

Acq: 20 Jun 2018 13:44

Instrument :

MSVOA_D

ClientSampleId :

VD0620SBSD02

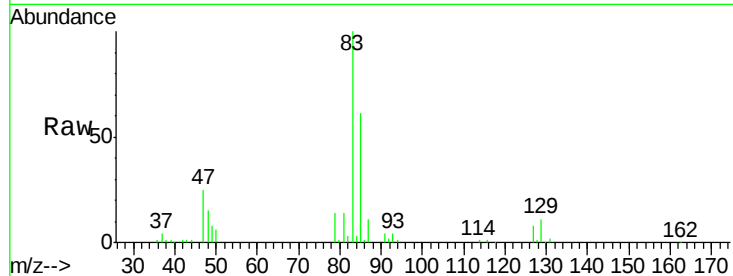
Tot Ion: 83 Resp: 274972

Ion Ratio Lower Upper

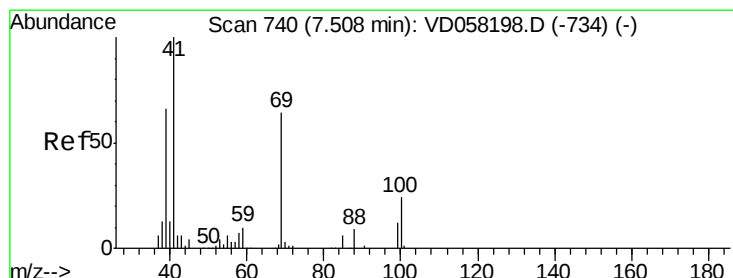
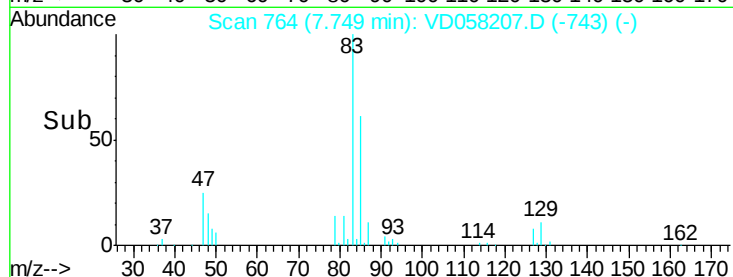
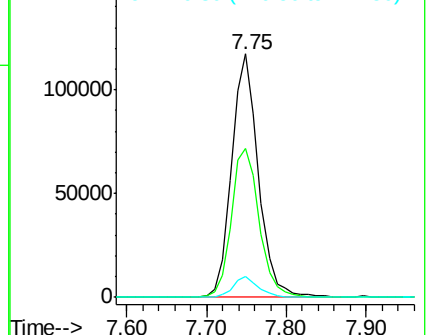
83 100

85 61.1 52.6 78.8

127 8.4 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): V



#48

Methyl methacrylate

Concen: 21.76 ug/l

RT: 7.51 min Scan# 740

Delta R.T. 0.00 min

Lab File: VD058207.D

Acq: 20 Jun 2018 13:44

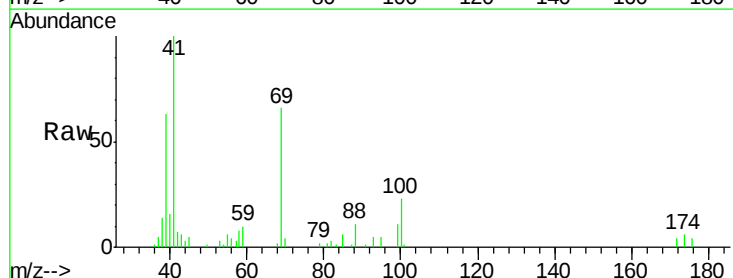
Tgt Ion: 41 Resp: 122820

Ion Ratio Lower Upper

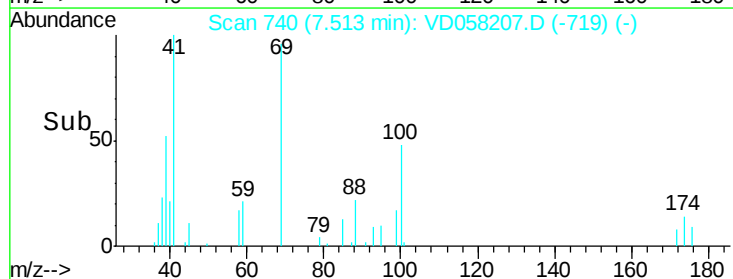
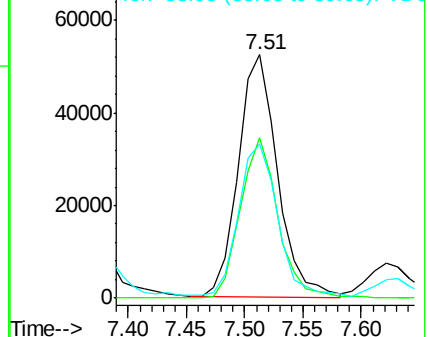
41 100

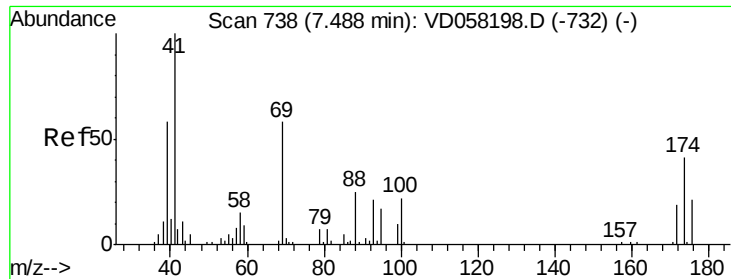
69 65.7 50.7 76.1

39 63.3 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

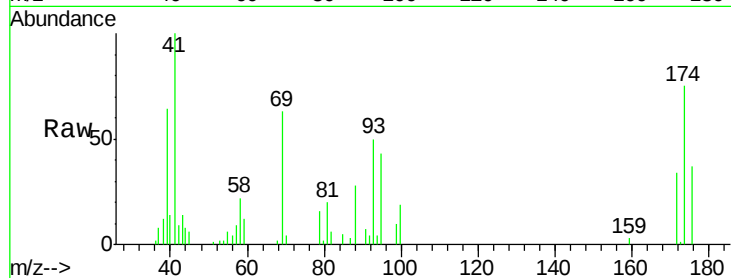




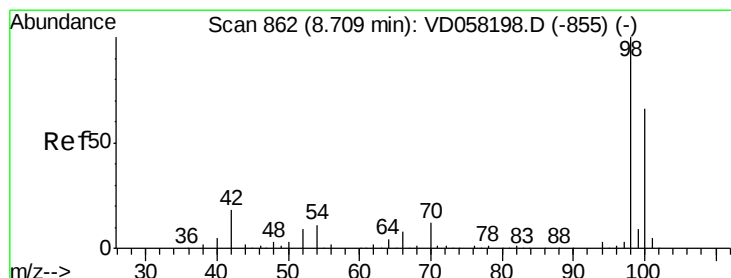
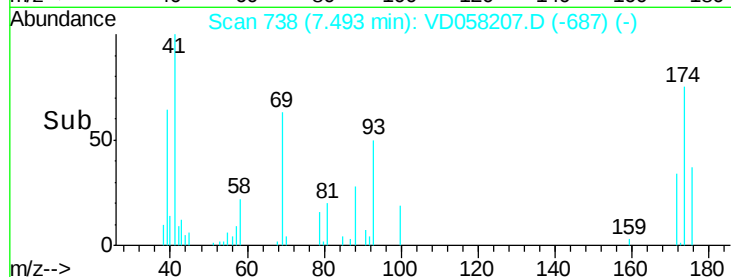
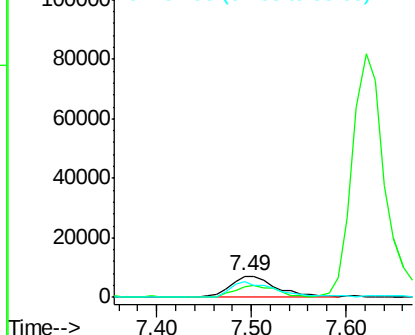
#49
1,4-Dioxane
Concen: 466.82 ug/l
RT: 7.49 min Scan# 738
Delta R.T. 0.00 min
Lab File: VD058207.D
Acq: 20 Jun 2018 13:44

Instrument :
MSVOA_D
ClientSampleId :
VD0620SBSD02

Tot Ion: 88 Resp: 23786
Ion Ratio Lower Upper
88 100
43 48.3 34.2 51.2
58 75.7 47.9 71.9#

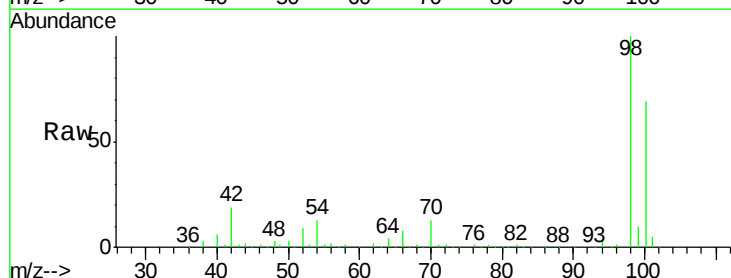


Abundance Ion 88.00 (87.70 to 88.70): VDC
Ion 43.05 (42.75 to 43.75): VDC
Ion 57.95 (57.65 to 58.65): VDC

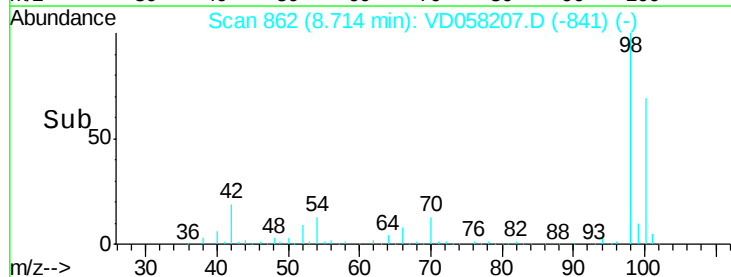
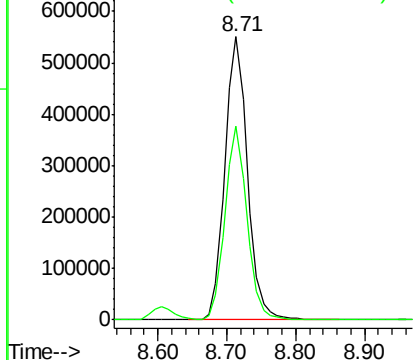


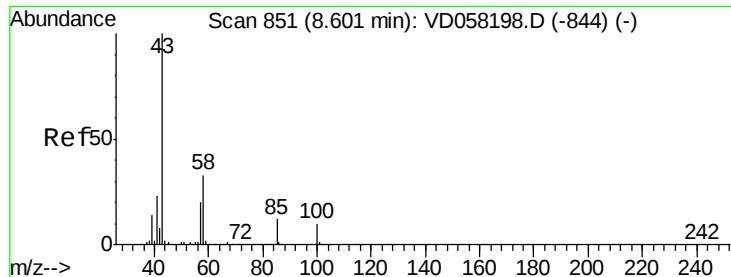
#50
Toluene-d8
Concen: 466.82 ug/l
RT: 8.71 min Scan# 862
Delta R.T. 0.00 min
Lab File: VD058207.D
Acq: 20 Jun 2018 13:44

Tgt Ion: 98 Resp: 1247604
Ion Ratio Lower Upper
98 100
100 68.7 53.6 80.4



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





#51

4-Methyl-2-Pentanone

Concen: 107.39 ug/l

RT: 8.61 min Scan# 851

Delta R.T. 0.00 min

Lab File: VD058207.D

Acq: 20 Jun 2018 13:44

Instrument :

MSVOA_D

ClientSampleId :

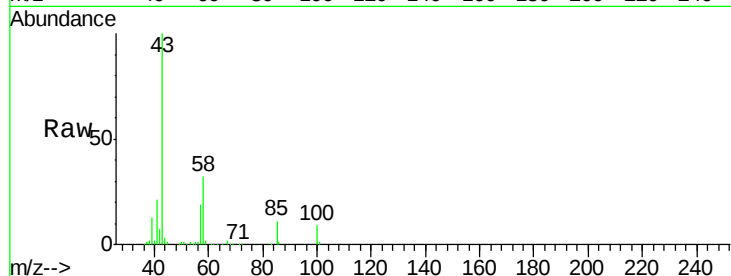
VD0620SBS02

Tot Ion: 43 Resp: 650595

Ion Ratio Lower Upper

43 100

58 32.1 26.7 40.1



Abundance Ion 42.95 (42.65 to 43.65): VDC

Ion 57.95 (57.65 to 58.65): VDC

8.61

300000

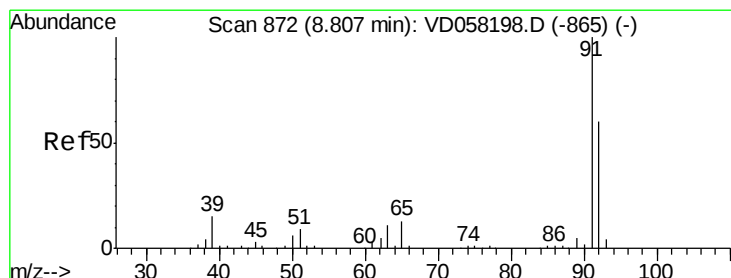
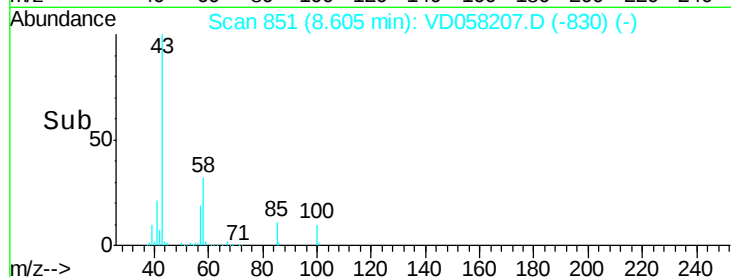
200000

100000

0

8.50 8.60 8.70

Time-->



#52

Toluene

Concen: 21.28 ug/l

RT: 8.80 min Scan# 871

Delta R.T. -0.01 min

Lab File: VD058207.D

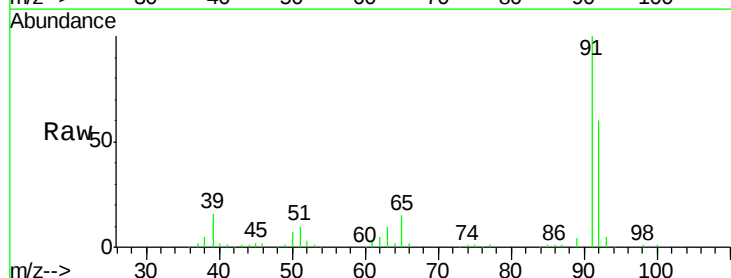
Acq: 20 Jun 2018 13:44

Tgt Ion: 92 Resp: 352895

Ion Ratio Lower Upper

92 100

91 166.0 133.2 199.8



Abundance Ion 92.00 (91.70 to 92.70): VDC

Ion 91.00 (90.70 to 91.70): VDC

8.80

300000

250000

200000

150000

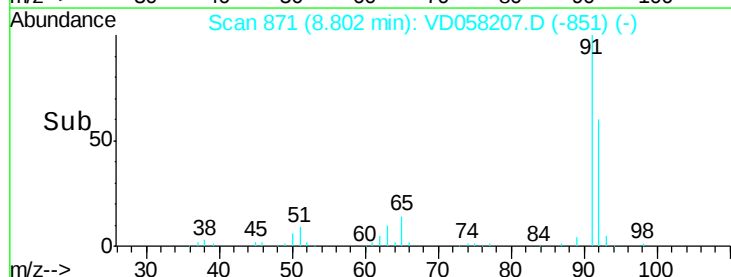
100000

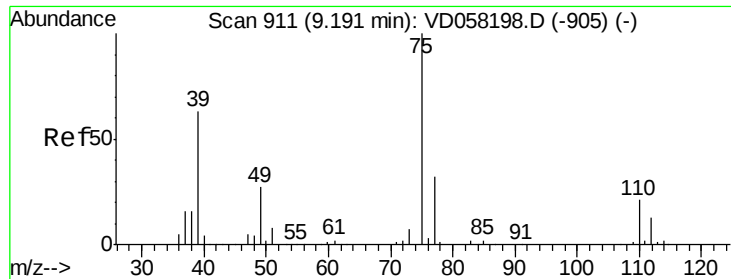
50000

0

8.70 8.80 8.90

Time-->

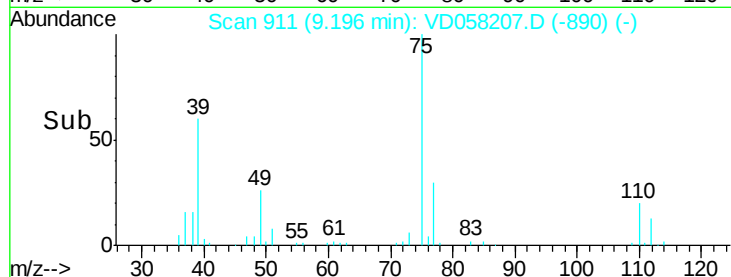
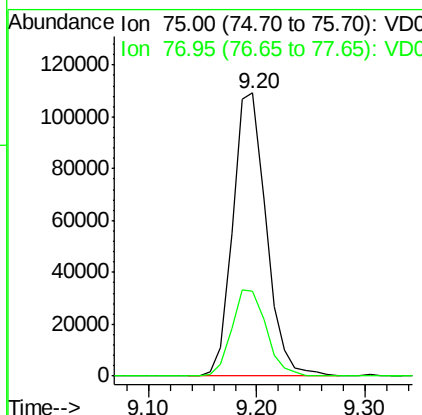
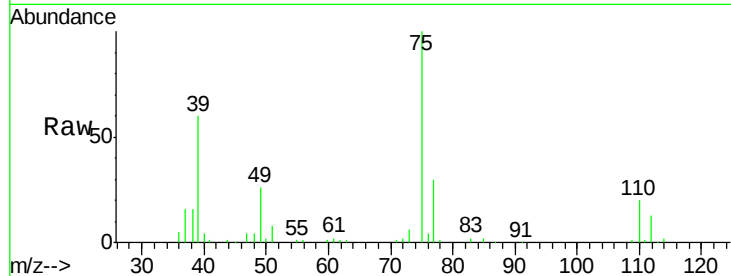




#53
 t-1,3-Dichloropropene
 Concen: 22.07 ug/l
 RT: 9.20 min Scan# 911
 Delta R.T. 0.00 min
 Lab File: VD058207.D
 Acq: 20 Jun 2018 13:44

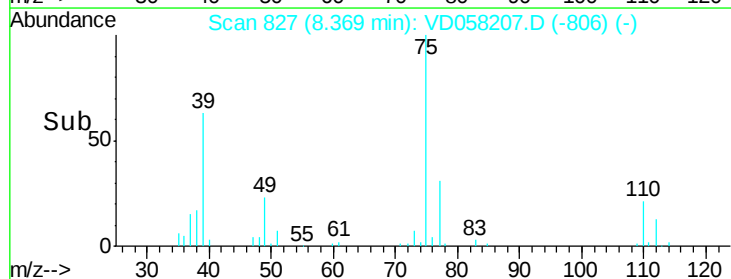
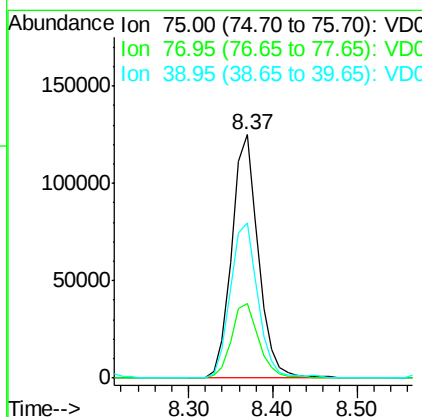
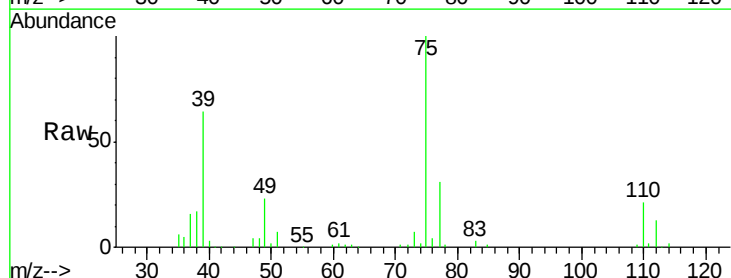
Instrument :
 MSVOA_D
 ClientSampleId :
 VD0620SBSD02

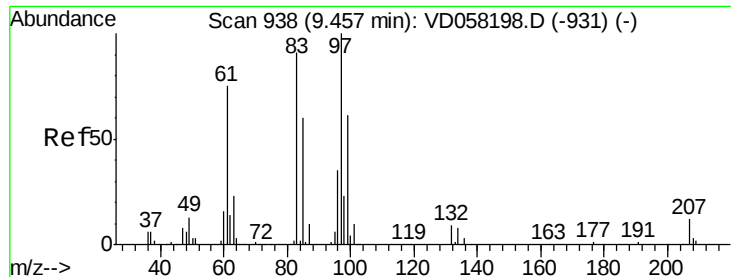
Tot Ion: 75 Resp: 234334
 Ion Ratio Lower Upper
 75 100
 77 29.8 25.8 38.8



#54
 cis-1,3-Dichloropropene
 Concen: 22.00 ug/l
 RT: 8.37 min Scan# 827
 Delta R.T. 0.00 min
 Lab File: VD058207.D
 Acq: 20 Jun 2018 13:44

Tgt Ion: 75 Resp: 273848
 Ion Ratio Lower Upper
 75 100
 77 30.7 26.5 39.7
 39 63.8 52.9 79.3





#55

1,1,2-Trichloroethane

Concen: 21.72 ug/l

RT: 9.46 min Scan# 938

Delta R.T. 0.00 min

Lab File: VD058207.D

Acq: 20 Jun 2018 13:44

Instrument :

MSVOA_D

ClientSampleId :

VD0620SBSD02

Tot Ion: 97 Resp: 127451

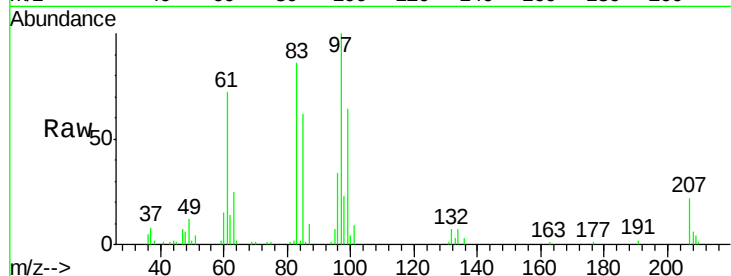
Ion Ratio Lower Upper

97 100

83 86.2 72.9 109.3

85 61.9 48.2 72.4

99 64.3 48.9 73.3

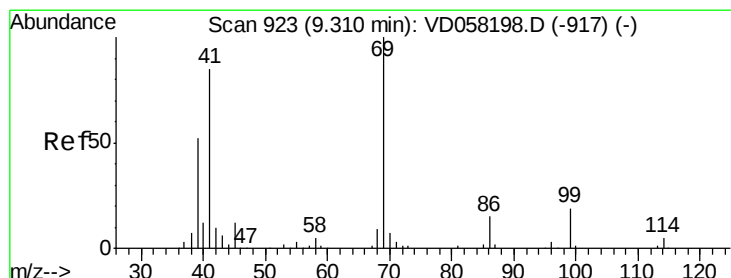
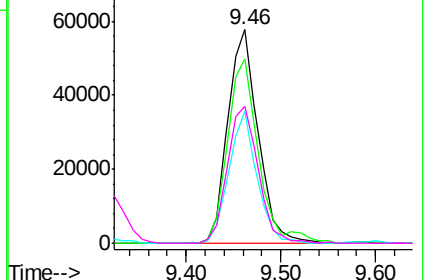
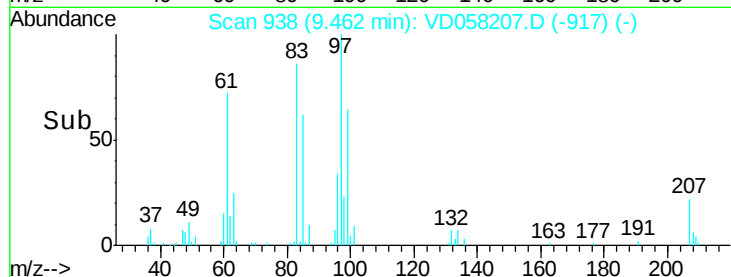


Abundance Ion 96.85 (96.55 to 97.55): VDC

Ion 82.95 (82.65 to 83.65): VDC

Ion 84.95 (84.65 to 85.65): VDC

Ion 98.85 (98.55 to 99.55): VDC



#56

Ethyl methacrylate

Concen: 21.58 ug/l

RT: 9.31 min Scan# 923

Delta R.T. 0.00 min

Lab File: VD058207.D

Acq: 20 Jun 2018 13:44

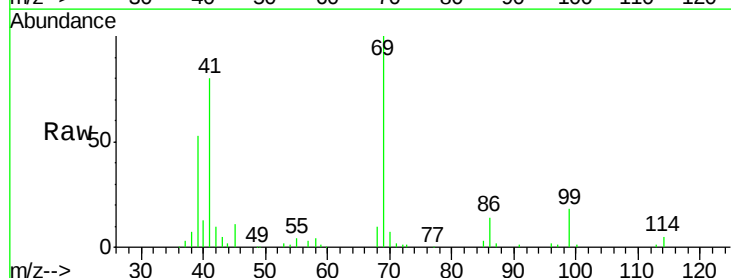
Tgt Ion: 69 Resp: 151442

Ion Ratio Lower Upper

69 100

41 79.7 67.6 101.4

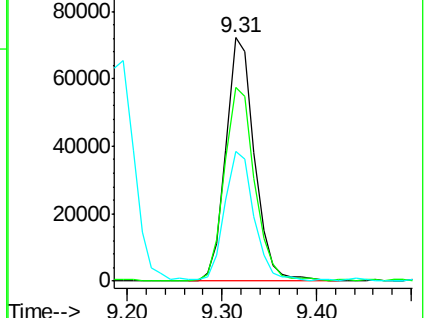
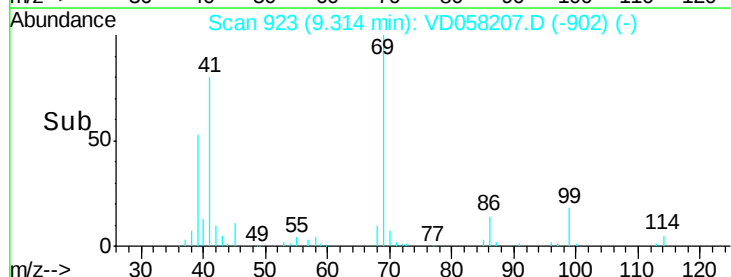
39 53.5 42.2 63.2

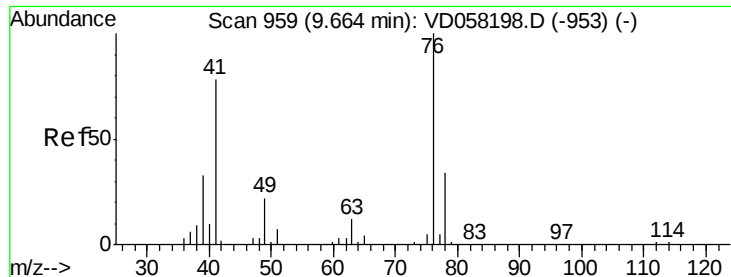


Abundance Ion 69.00 (68.70 to 69.70): VDC

Ion 41.05 (40.75 to 41.75): VDC

Ion 38.95 (38.65 to 39.65): VDC





#57

1,3-Dichloropropane

Concen: 22.19 ug/l

RT: 9.67 min Scan# 959

Delta R.T. 0.00 min

Lab File: VD058207.D

Acq: 20 Jun 2018 13:44

Instrument :

MSVOA_D

ClientSampleId :

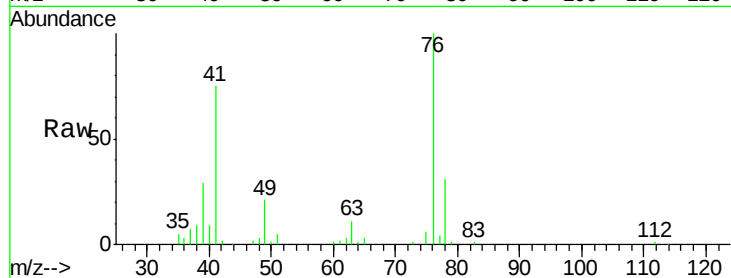
VD0620SBSD02

Tot Ion: 76 Resp: 219348

Ion Ratio Lower Upper

76 100

78 30.5 27.0 40.6



Abundance Ion 75.95 (75.65 to 76.65): VDC

Ion 77.95 (77.65 to 78.65): VDC

9.67

100000

80000

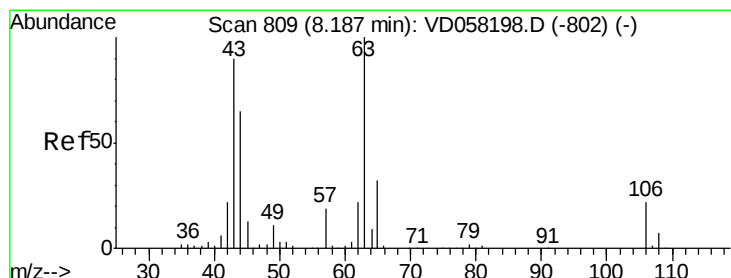
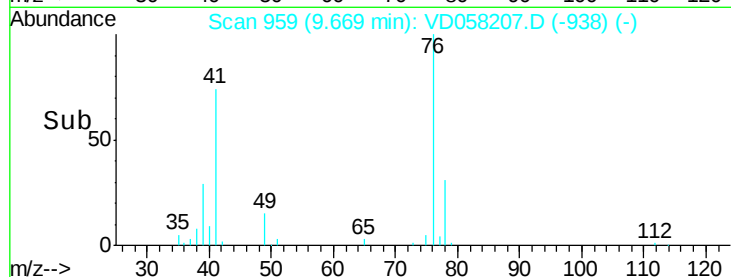
60000

40000

20000

0

Time-->



#58

2-Chloroethyl Vinyl ether

Concen: 108.78 ug/l

RT: 8.19 min Scan# 809

Delta R.T. 0.00 min

Lab File: VD058207.D

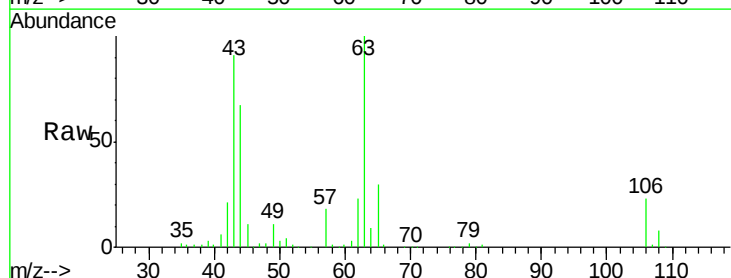
Acq: 20 Jun 2018 13:44

Tgt Ion: 63 Resp: 377900

Ion Ratio Lower Upper

63 100

106 23.1 18.0 27.0



Abundance Ion 62.95 (62.65 to 63.65): VDC

Ion 105.95 (105.65 to 106.65): V

8.19

200000

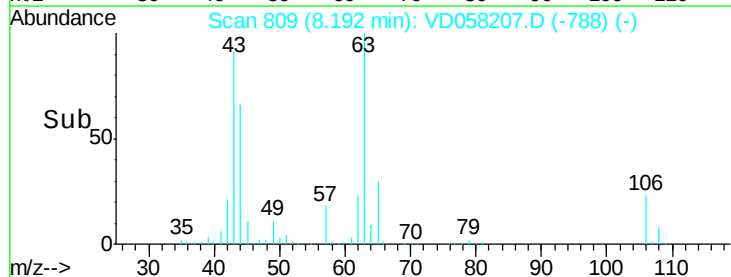
150000

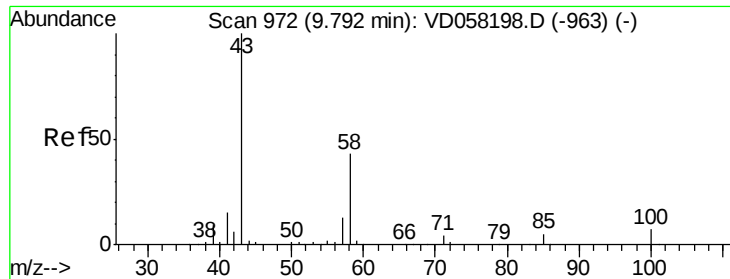
100000

50000

0

Time-->





#59

2-Hexanone

Concen: 112.16 ug/l

RT: 9.80 min Scan# 972

Delta R.T. 0.00 min

Lab File: VD058207.D

Acq: 20 Jun 2018 13:44

Instrument :

MSVOA_D

ClientSampleId :

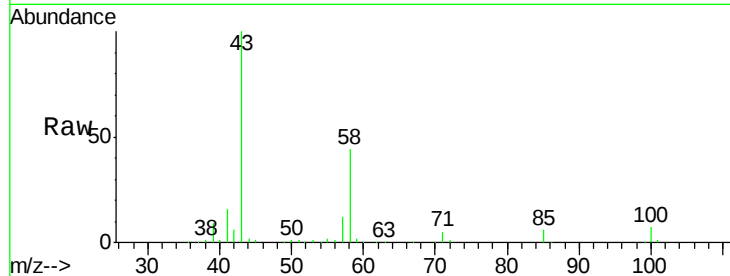
VD0620SBSD02

Tot Ion: 43 Resp: 490959

Ion Ratio Lower Upper

43 100

58 43.6 21.7 65.1



Abundance Ion 42.95 (42.65 to 43.65): VDC

Ion 57.95 (57.65 to 58.65): VDC

9.80

250000

200000

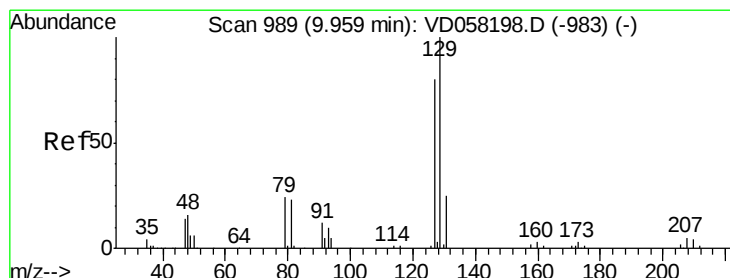
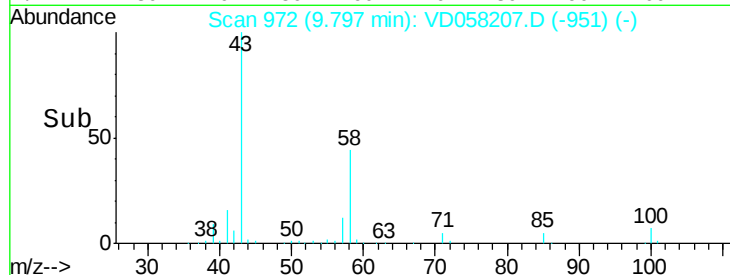
150000

100000

50000

0

Time-->



#60

Dibromochloromethane

Concen: 21.95 ug/l

RT: 9.96 min Scan# 989

Delta R.T. 0.00 min

Lab File: VD058207.D

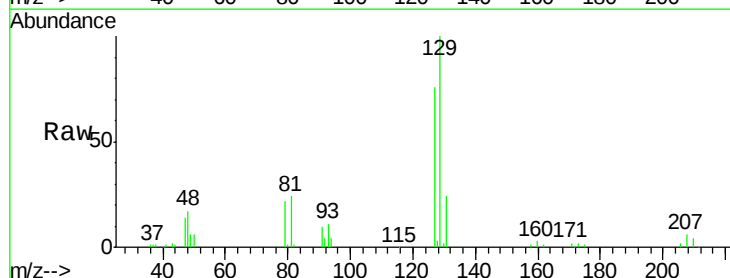
Acq: 20 Jun 2018 13:44

Tgt Ion: 129 Resp: 174820

Ion Ratio Lower Upper

129 100

127 75.6 39.8 119.4



Abundance Ion 128.80 (128.50 to 129.50): V

Ion 126.80 (126.50 to 127.50): V

100000

80000

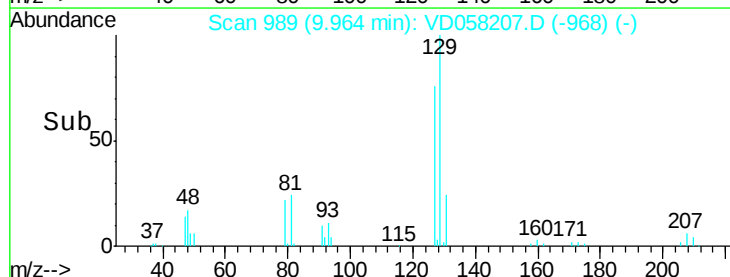
60000

40000

20000

0

Time-->





#61

1,2-Dibromoethane

Concen: 21.59 ug/l

RT: 10.10 min Scan# 1003

Delta R.T. 0.00 min

Lab File: VD058207.D

Acq: 20 Jun 2018 13:44

Instrument :

MSVOA_D

ClientSampleId :

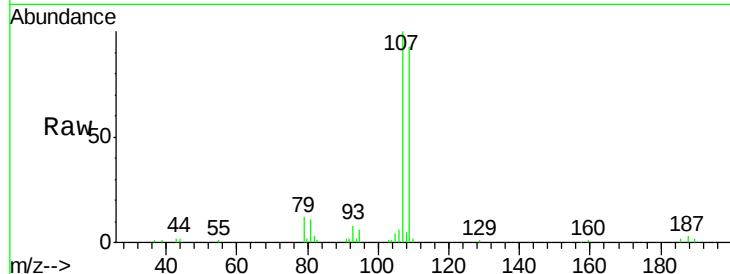
VD0620SBS02

Tot Ion:107 Resp: 138654

Ion Ratio Lower Upper

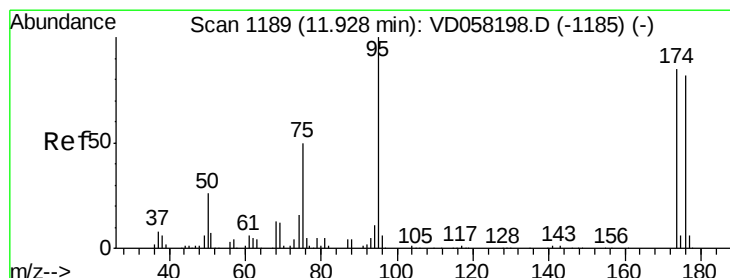
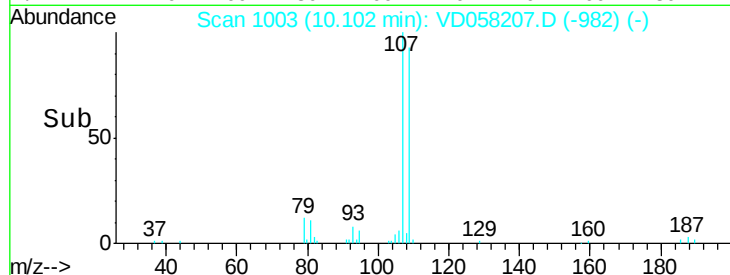
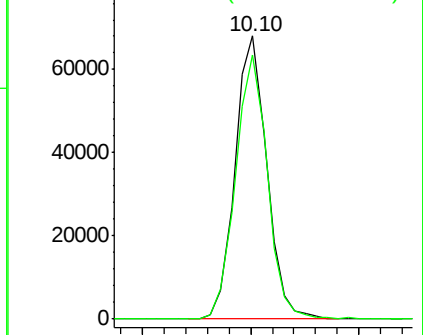
107 100

109 93.2 74.8 112.2



Abundance Ion 106.90 (106.60 to 107.60): V

Ion 108.90 (108.60 to 109.60): V



#62

4-Bromofluorobenzene

Concen: 21.59 ug/l

RT: 11.93 min Scan# 1189

Delta R.T. 0.00 min

Lab File: VD058207.D

Acq: 20 Jun 2018 13:44

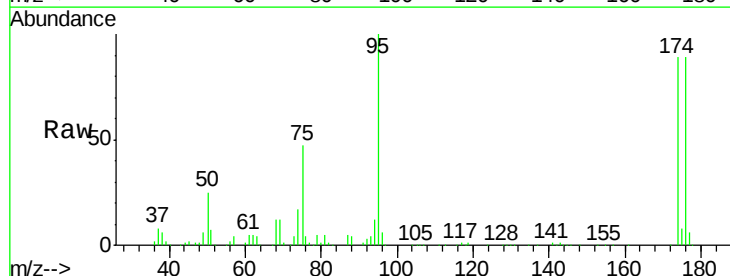
Tgt Ion: 95 Resp: 520440

Ion Ratio Lower Upper

95 100

174 89.4 0.0 170.2

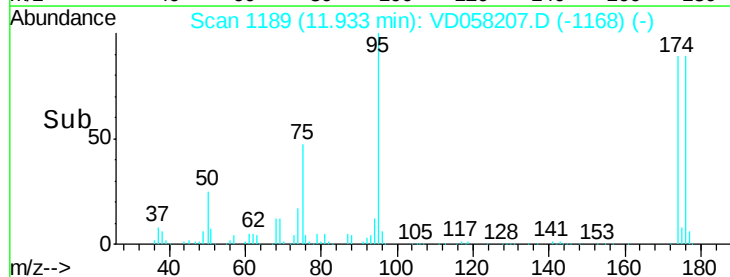
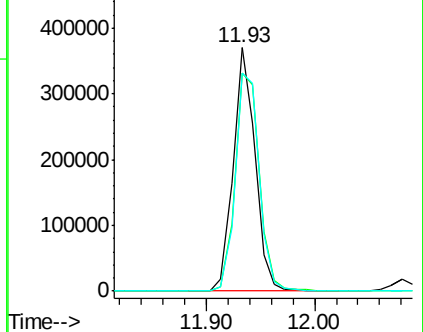
176 89.3 0.0 164.6

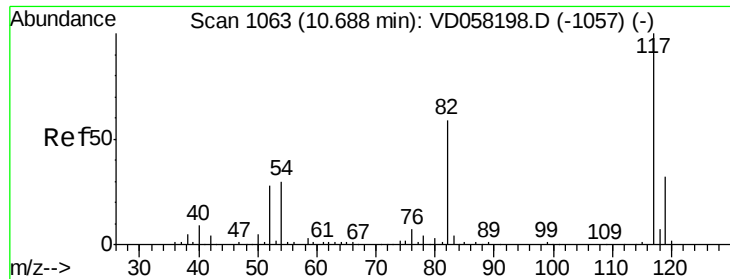


Abundance Ion 95.00 (94.70 to 95.70): VDC

Ion 173.90 (173.60 to 174.60): V

Ion 175.90 (175.60 to 176.60): V





#63

Chlorobenzene-d5

Concen: 50.00 ug/l

RT: 10.69 min Scan# 1063

Delta R.T. 0.00 min

Lab File: VD058207.D

Acq: 20 Jun 2018 13:44

Instrument :

MSVOA_D

ClientSampleId :

VD0620SBS02

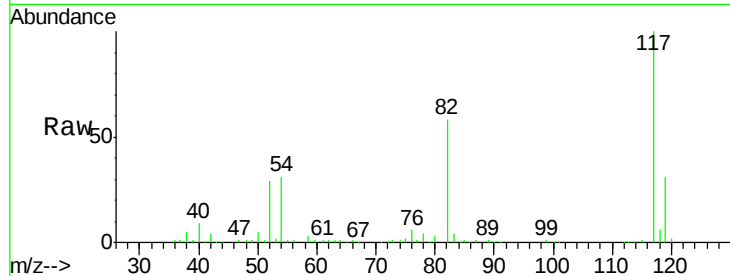
Tot Ion:117 Resp: 1000416

Ion Ratio Lower Upper

117 100

82 58.2 47.0 70.6

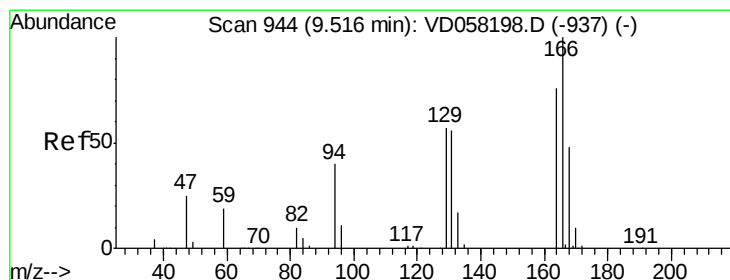
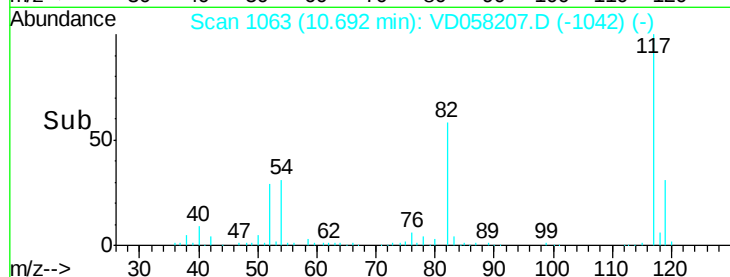
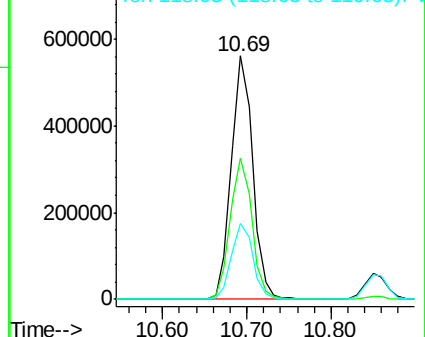
119 31.3 25.3 37.9



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: 21.57 ug/l

RT: 9.52 min Scan# 944

Delta R.T. 0.00 min

Lab File: VD058207.D

Acq: 20 Jun 2018 13:44

Tgt Ion:164 Resp: 181531

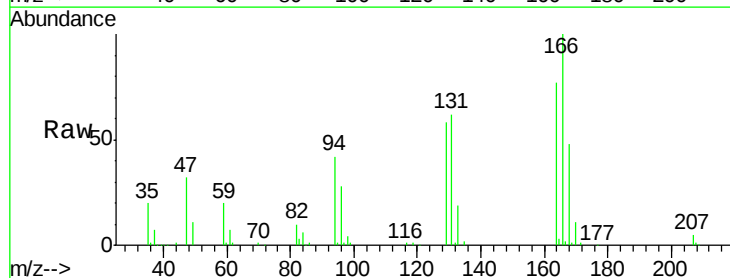
Ion Ratio Lower Upper

164 100

166 129.8 105.4 158.0

129 74.7 59.6 89.4

131 79.9 59.4 89.2

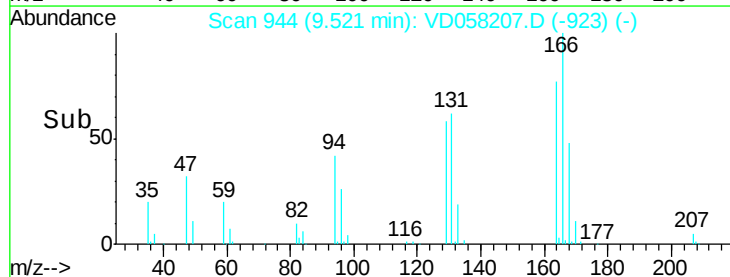
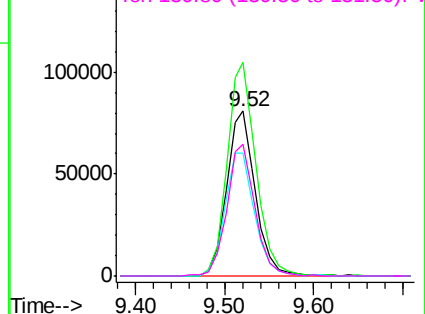


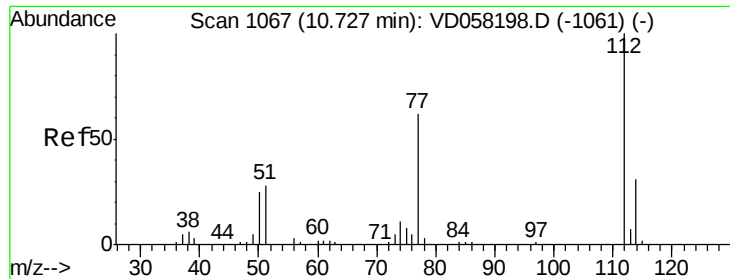
Abundance Ion 163.85 (163.55 to 164.55): V

Ion 165.85 (165.55 to 166.55): V

Ion 128.80 (128.50 to 129.50): V

Ion 130.80 (130.50 to 131.50): V

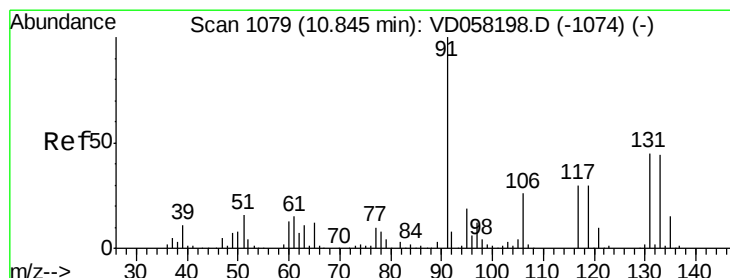
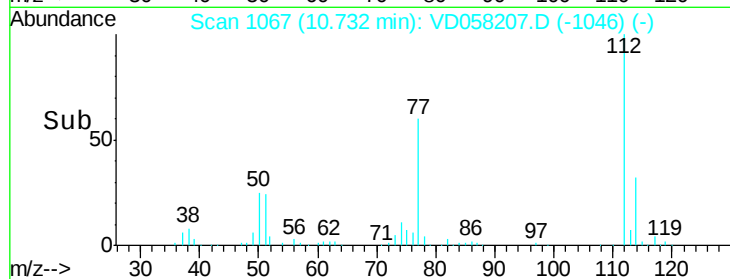
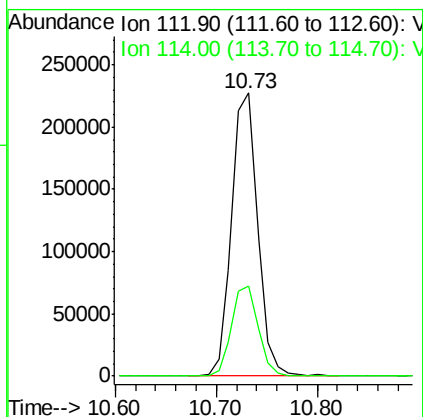
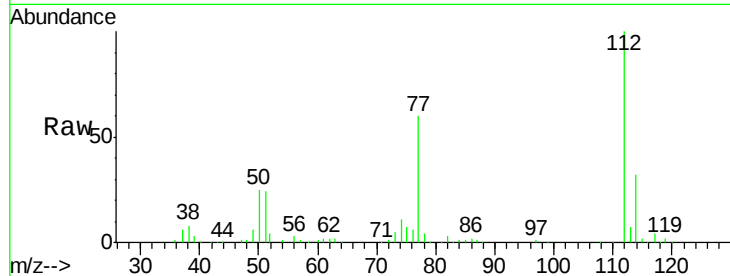




#65
Chlorobenzene
Concen: 21.80 ug/l
RT: 10.73 min Scan# 1067
Delta R.T. 0.00 min
Lab File: VD058207.D
Acq: 20 Jun 2018 13:44

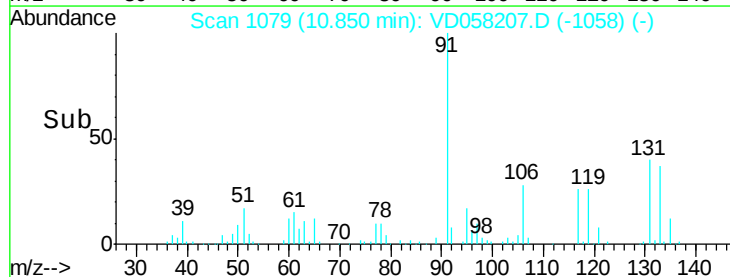
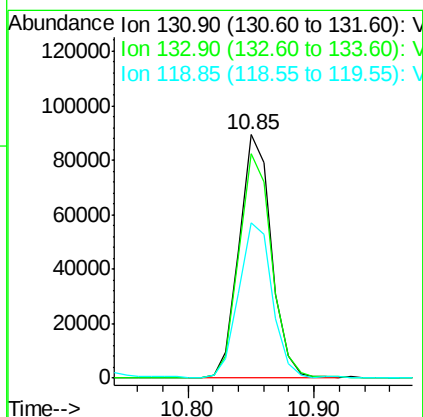
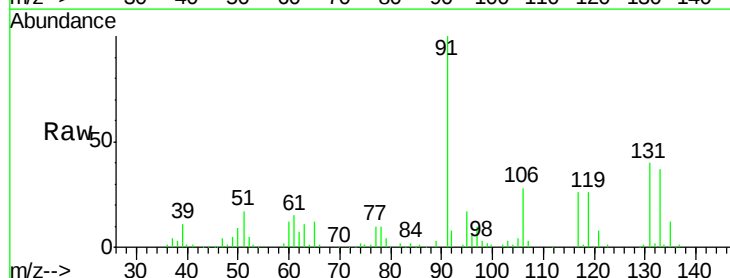
Instrument :
MSVOA_D
ClientSampleId :
VD0620SBSD02

Tot Ion:112 Resp: 408005
Ion Ratio Lower Upper
112 100
114 32.0 25.0 37.4



#66
1,1,1,2-Tetrachloroethane
Concen: 21.90 ug/l
RT: 10.85 min Scan# 1079
Delta R.T. 0.00 min
Lab File: VD058207.D
Acq: 20 Jun 2018 13:44

Tgt Ion:131 Resp: 158134
Ion Ratio Lower Upper
131 100
133 91.9 48.6 145.9
119 63.9 33.0 99.0





#67

Ethyl Benzene

Concen: 21.75 ug/l

RT: 10.86 min Scan# 1080

Delta R.T. 0.00 min

Lab File: VD058207.D

Acq: 20 Jun 2018 13:44

Instrument :

MSVOA_D

ClientSampleID :

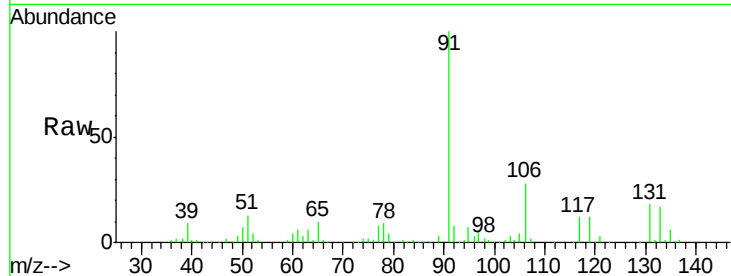
VD0620SBS02

Tot Ion: 91 Resp: 718515

Ion Ratio Lower Upper

91 100

106 27.8 22.0 33.0



Abundance Ion 91.00 (90.70 to 91.70): V

Ion 106.05 (105.75 to 106.75): V

600000

500000

400000

300000

200000

100000

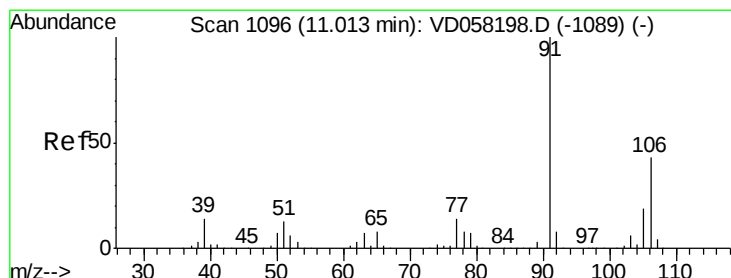
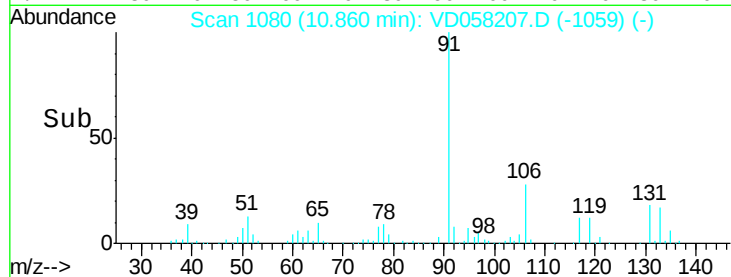
0

10.86

10.80

10.90

Time-->



#68

m/p-Xylenes

Concen: 44.49 ug/l

RT: 11.02 min Scan# 1096

Delta R.T. 0.00 min

Lab File: VD058207.D

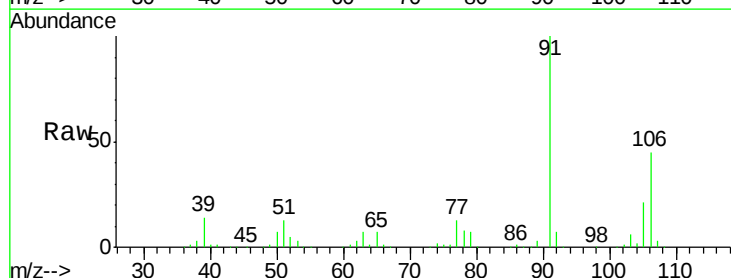
Acq: 20 Jun 2018 13:44

Tgt Ion: 106 Resp: 490178

Ion Ratio Lower Upper

106 100

91 220.8 185.0 277.6



Abundance Ion 106.05 (105.75 to 106.75): V

Ion 91.00 (90.70 to 91.70): V

600000

500000

400000

300000

200000

100000

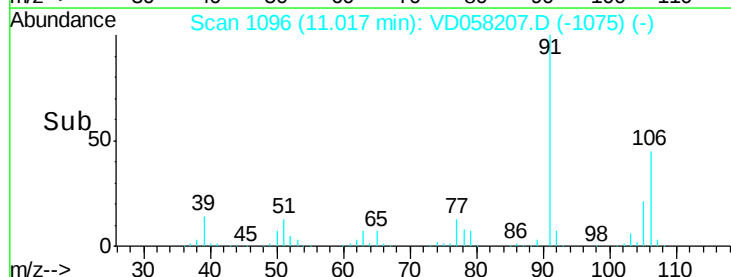
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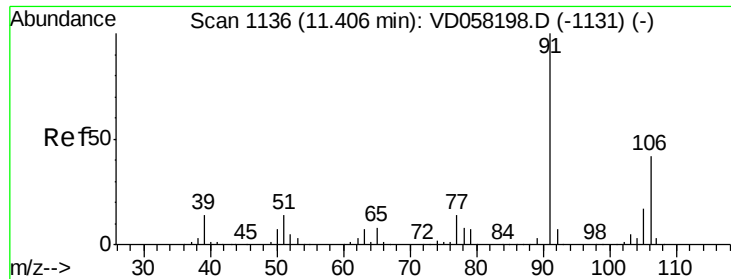
11.02

10.90

11.10

Time-->

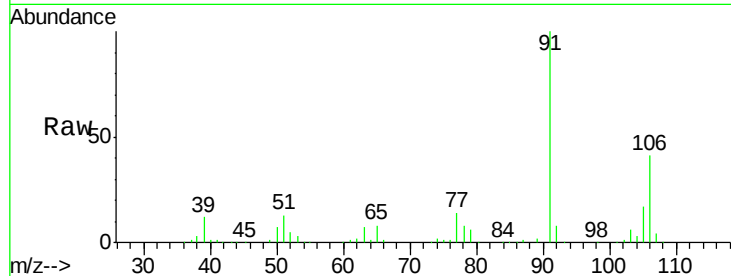




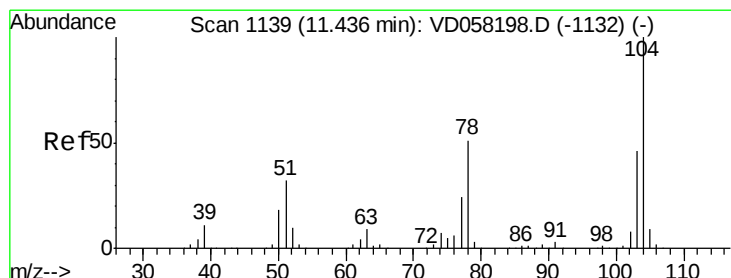
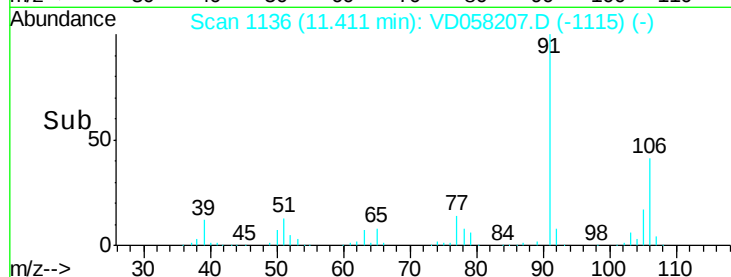
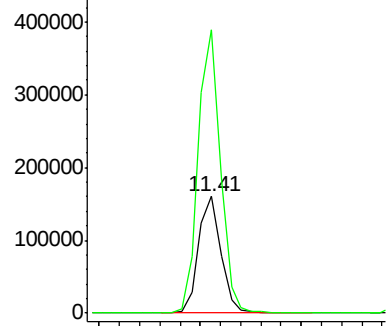
#69
o-Xylene
Concen: 23.49 ug/l
RT: 11.41 min Scan# 1136
Delta R.T. 0.00 min
Lab File: VD058207.D
Acq: 20 Jun 2018 13:44

Instrument :
MSVOA_D
ClientSampleId :
VD0620SBSD02

Tot Ion:106 Resp: 247180
Ion Ratio Lower Upper
106 100
91 243.1 120.2 360.6

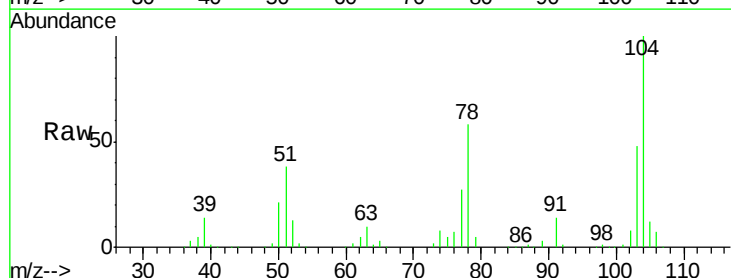


Abundance Ion 106.05 (105.75 to 106.75): V
Ion 91.00 (90.70 to 91.70): VDC

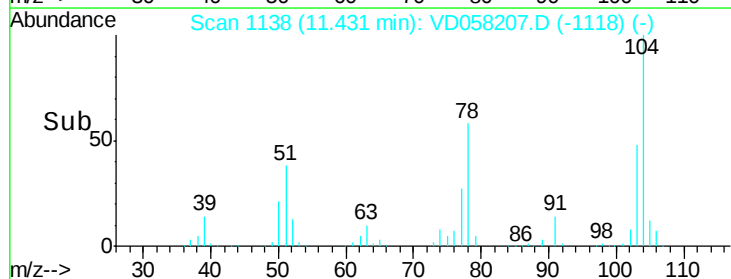
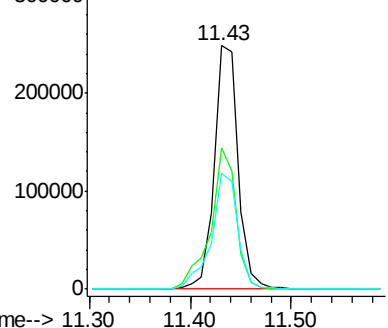


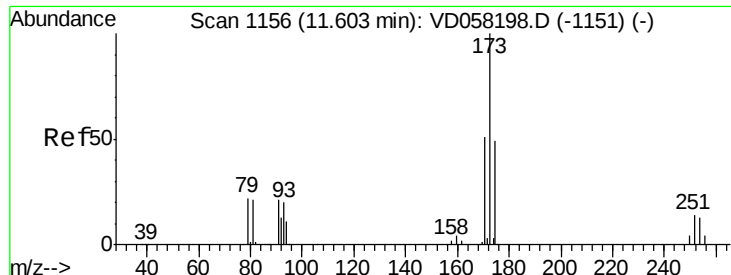
#70
Styrene
Concen: 22.80 ug/l
RT: 11.43 min Scan# 1138
Delta R.T. -0.01 min
Lab File: VD058207.D
Acq: 20 Jun 2018 13:44

Tgt Ion:104 Resp: 409311
Ion Ratio Lower Upper
104 100
78 57.9 40.8 61.2
103 47.5 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

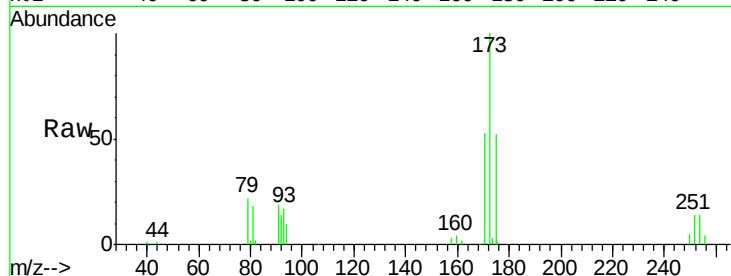




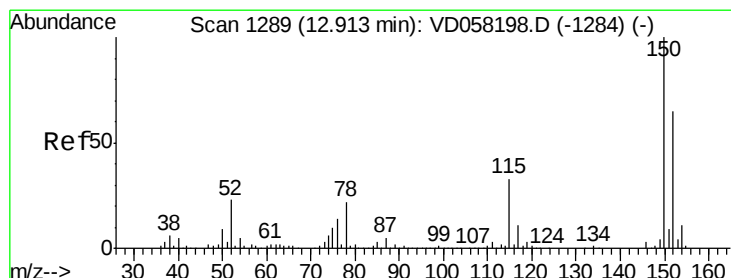
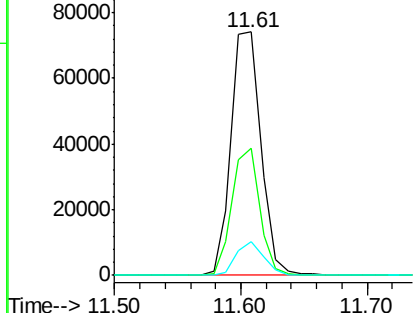
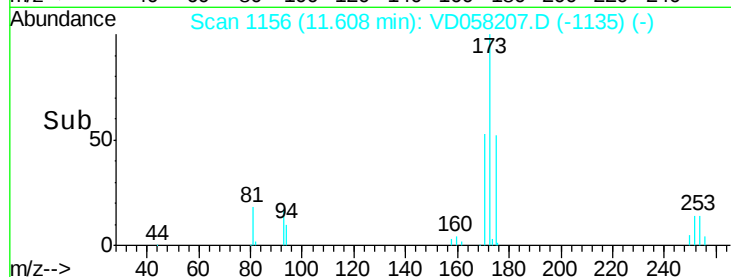
#71
Bromoform
Concen: 21.01 ug/l
RT: 11.61 min Scan# 1156
Delta R.T. 0.00 min
Lab File: VD058207.D
Acq: 20 Jun 2018 13:44

Instrument :
MSVOA_D
ClientSampleId :
VD0620SBSD02

Tot Ion:173 Resp: 121019
Ion Ratio Lower Upper
173 100
175 52.0 24.6 74.0
254 13.9 10.3 15.5

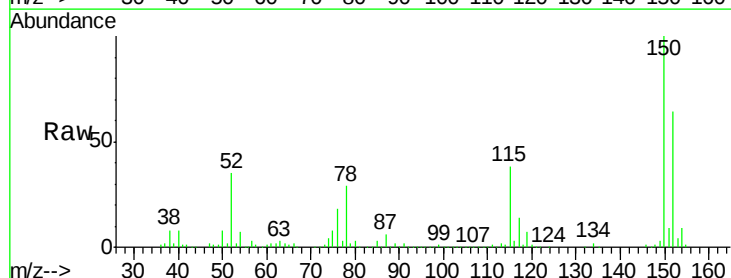


Abundance Ion 172.80 (172.50 to 173.50): V
Ion 174.80 (174.50 to 175.50): V
Ion 253.70 (253.40 to 254.40): V

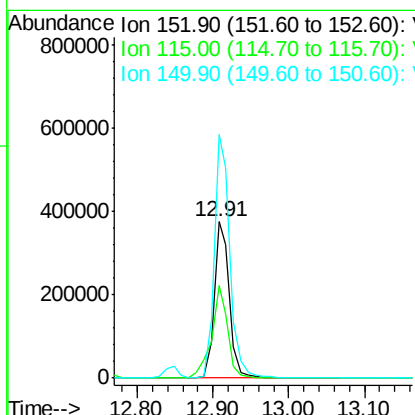
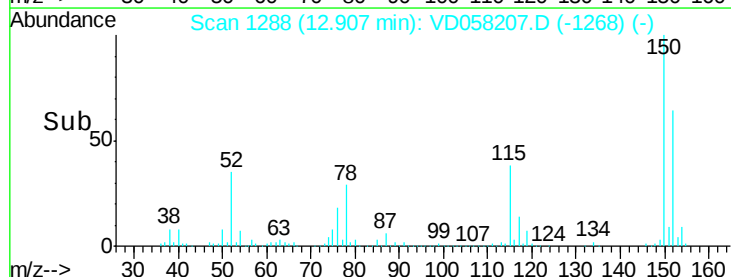


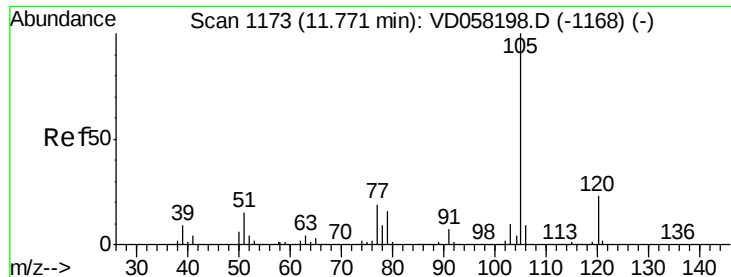
#72
1,4-Dichlorobenzene-d4
Concen: 50.00 ug/l
RT: 12.91 min Scan# 1288
Delta R.T. -0.01 min
Lab File: VD058207.D
Acq: 20 Jun 2018 13:44

Tgt Ion:152 Resp: 525983
Ion Ratio Lower Upper
152 100
115 59.1 25.1 75.3
150 155.6 0.0 308.8



Abundance Ion 151.90 (151.60 to 152.60): V
Ion 115.00 (114.70 to 115.70): V
Ion 149.90 (149.60 to 150.60): V





#73

Isopropylbenzene

Concen: 21.11 ug/l

RT: 11.78 min Scan# 1173

Delta R.T. 0.00 min

Lab File: VD058207.D

Acq: 20 Jun 2018 13:44

Instrument :

MSVOA_D

ClientSampleId :

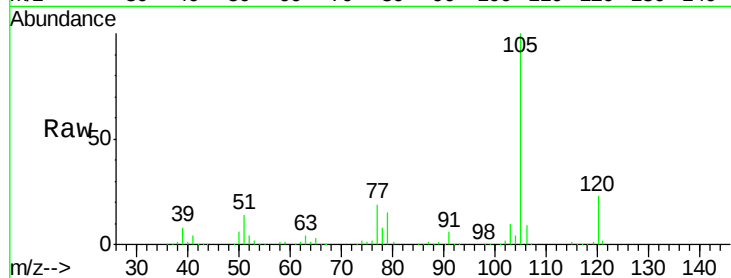
VD0620SBS02

Tot Ion:105 Resp: 664065

Ion Ratio Lower Upper

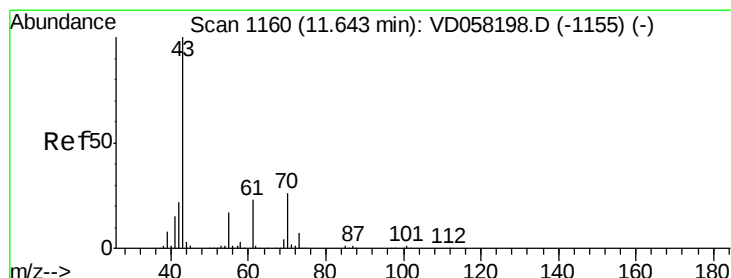
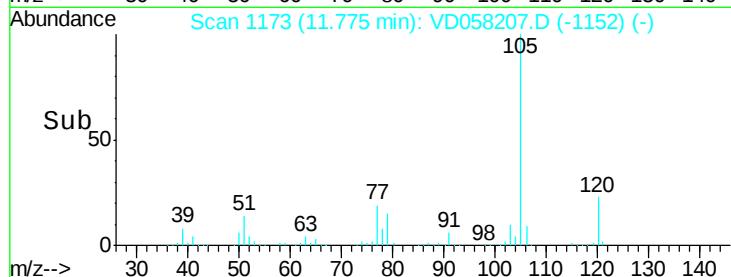
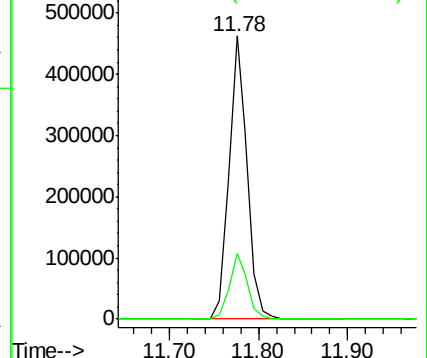
105 100

120 23.3 11.6 34.8



Abundance Ion 105.05 (104.75 to 105.75): V

Ion 120.05 (119.75 to 120.75): V



#74

N-ethyl acetate

Concen: 20.27 ug/l

RT: 11.65 min Scan# 1160

Delta R.T. 0.00 min

Lab File: VD058207.D

Acq: 20 Jun 2018 13:44

Tgt Ion: 43 Resp: 246592

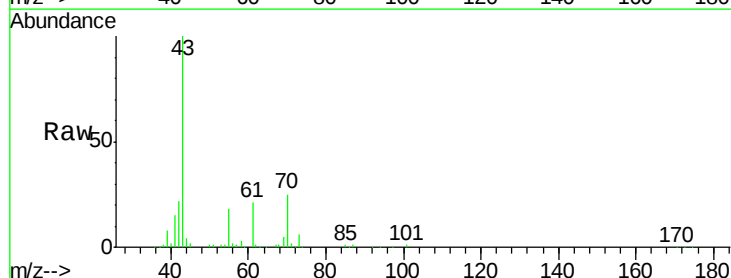
Ion Ratio Lower Upper

43 100

70 25.0 20.9 31.3

55 17.7 13.5 20.3

61 21.3 18.2 27.2

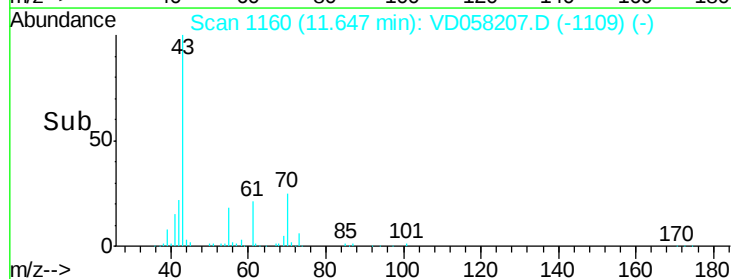
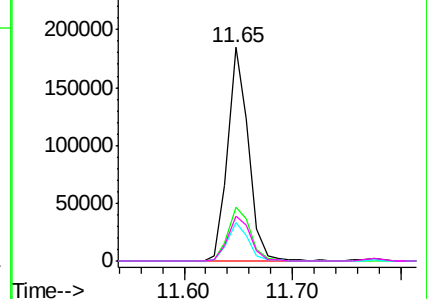


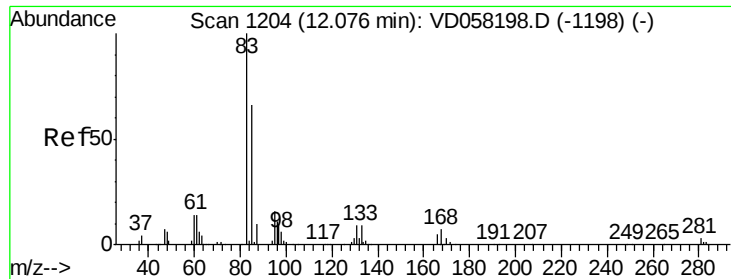
Abundance Ion 42.95 (42.65 to 43.65): V

Ion 70.00 (69.70 to 70.70): V

Ion 55.00 (54.70 to 55.70): V

Ion 60.95 (60.65 to 61.65): V





#75

1,1,2,2-Tetrachloroethane

Concen: 20.69 ug/l

RT: 12.08 min Scan# 1204

Delta R.T. 0.00 min

Lab File: VD058207.D

Acq: 20 Jun 2018 13:44

Instrument :

MSVOA_D

ClientSampleId :

VD0620SBS02

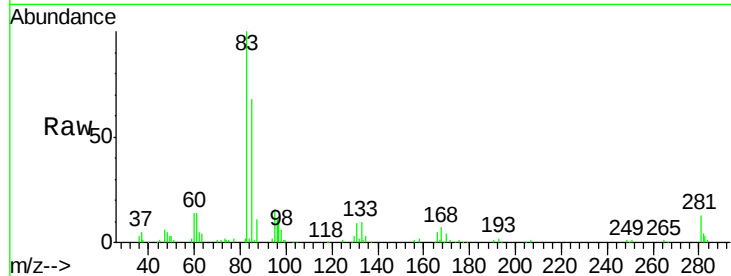
Tot Ion: 83 Resp: 151484

Ion	Ratio	Lower	Upper
83	100		
131	9.0	4.8	14.3
85	68.3	33.1	99.5

83 100

131 9.0 4.8 14.3

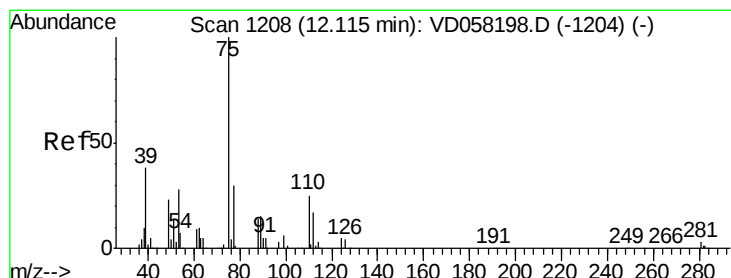
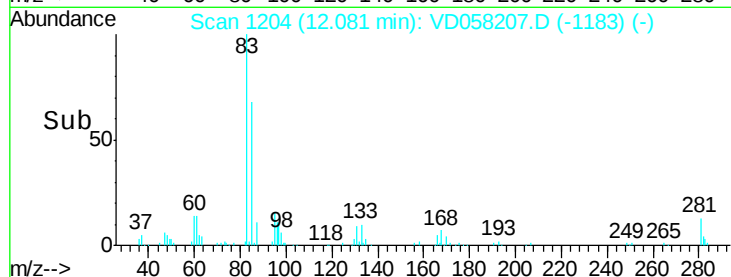
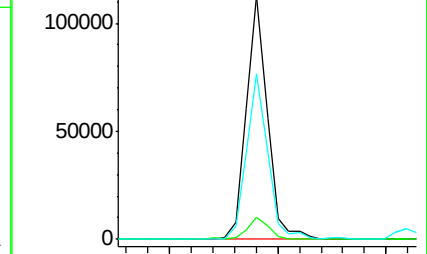
85 68.3 33.1 99.5



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: 21.87 ug/l

RT: 12.12 min Scan# 1208

Delta R.T. 0.00 min

Lab File: VD058207.D

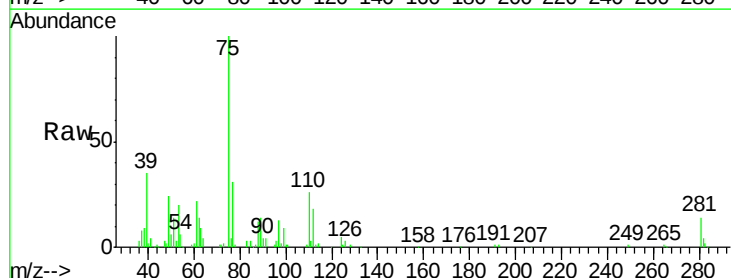
Acq: 20 Jun 2018 13:44

Tgt Ion: 75 Resp: 167959

Ion	Ratio	Lower	Upper
75	100		
77	31.5	16.0	47.9

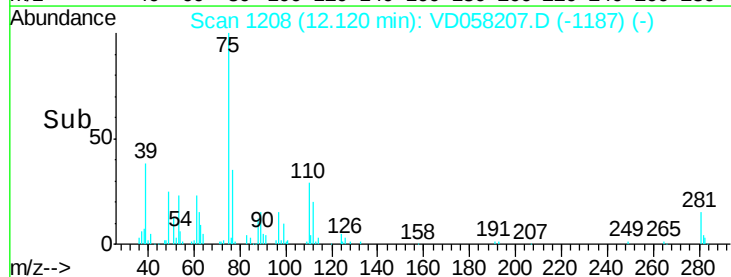
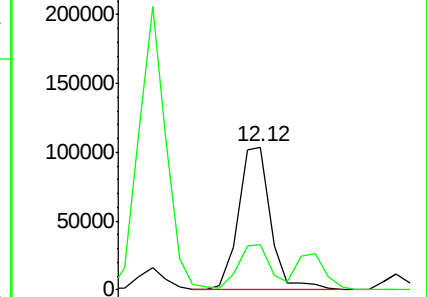
75 100

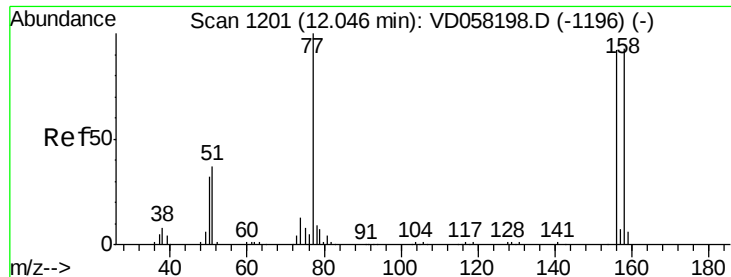
77 31.5 16.0 47.9



Abundance Ion 75.00 (74.70 to 75.70): VDC

Ion 76.95 (76.65 to 77.65): VDC





#77

Bromobenzene

Concen: 21.66 ug/l

RT: 12.04 min Scan# 1200

Delta R.T. -0.01 min

Lab File: VD058207.D

Acq: 20 Jun 2018 13:44

Instrument :

MSVOA_D

ClientSampleId :

VD0620SBS02

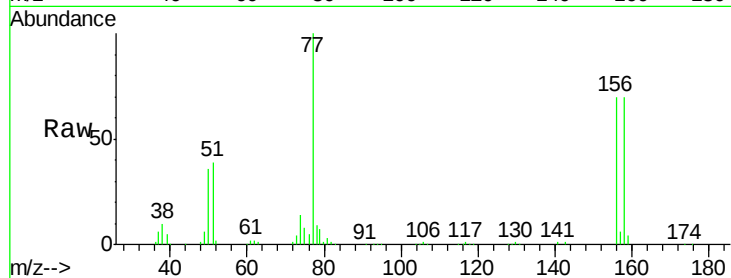
Tot Ion:156 Resp: 204023

Ion Ratio Lower Upper

156 100

77 142.9 54.5 163.6

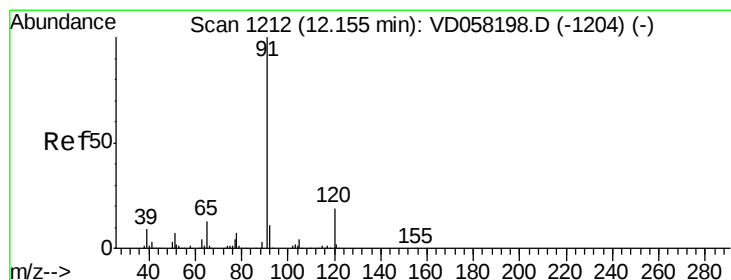
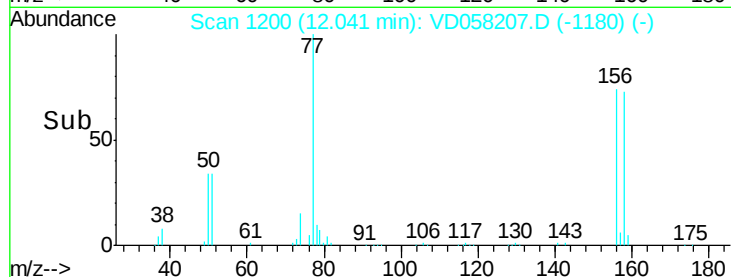
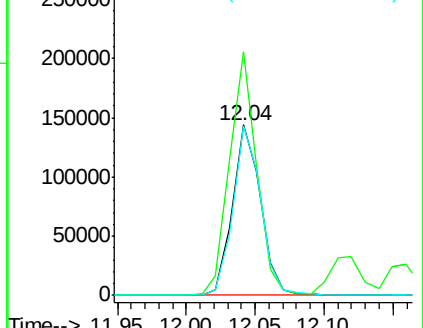
158 99.6 50.8 152.5



Abundance Ion 155.90 (155.60 to 156.60): V

Ion 76.95 (76.65 to 77.65): VDC

Ion 157.85 (157.55 to 158.55): V



#78

n-propylbenzene

Concen: 21.44 ug/l

RT: 12.16 min Scan# 1212

Delta R.T. 0.00 min

Lab File: VD058207.D

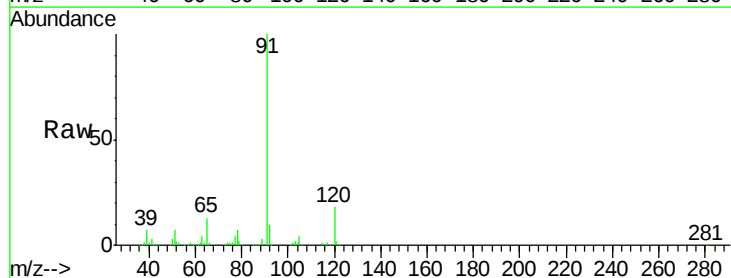
Acq: 20 Jun 2018 13:44

Tgt Ion: 91 Resp: 870904

Ion Ratio Lower Upper

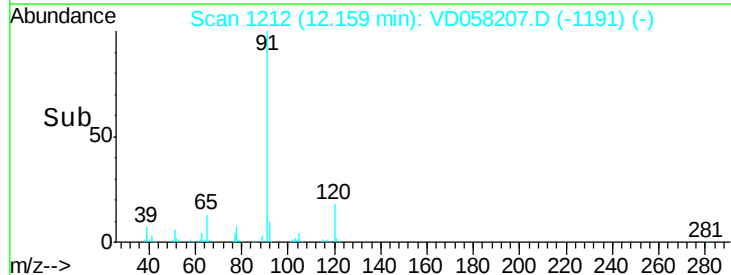
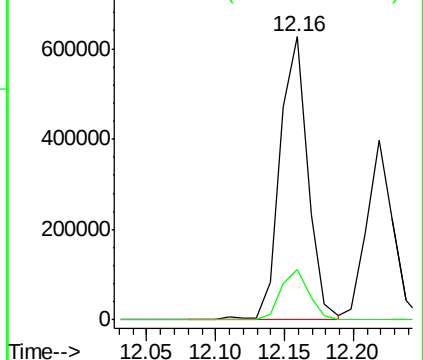
91 100

120 18.0 9.7 29.1



Abundance Ion 91.00 (90.70 to 91.70): VDC

Ion 120.05 (119.75 to 120.75): V

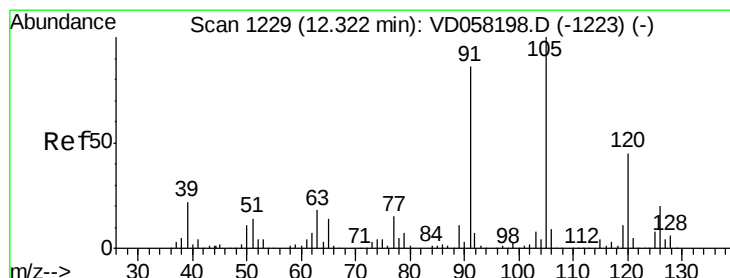
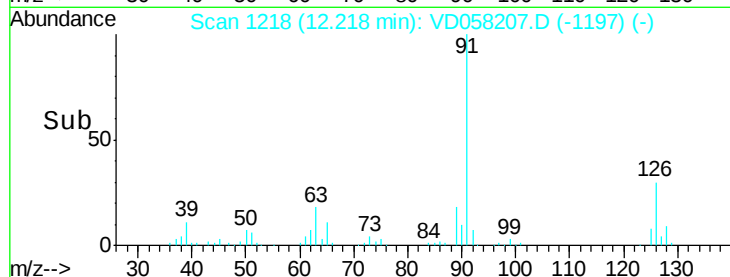
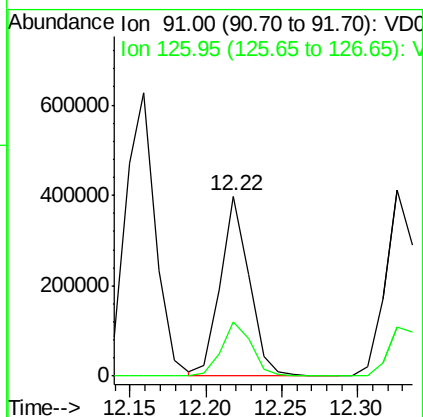
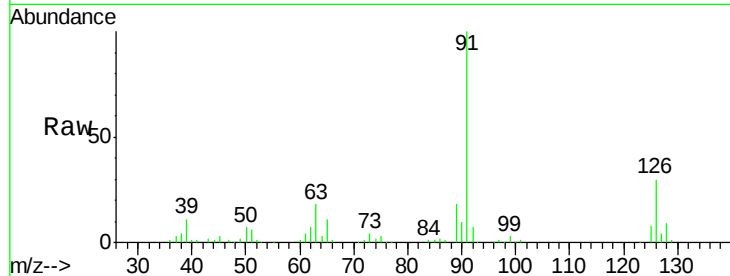




#79
 2-Chlorotoluene
 Concen: 22.48 ug/l
 RT: 12.22 min Scan# 1218
 Delta R.T. 0.00 min
 Lab File: VD058207.D
 Acq: 20 Jun 2018 13:44

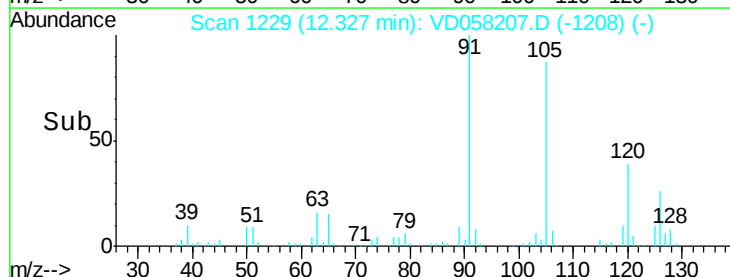
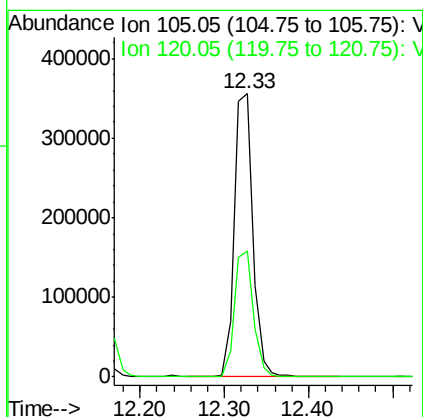
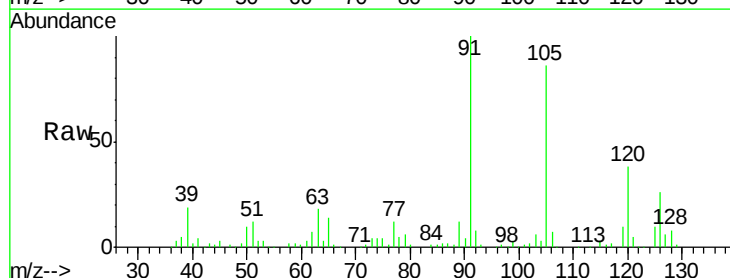
Instrument :
 MSVOA_D
 ClientSampleId :
 VD0620SBSD02

Tot Ion: 91 Resp: 522534
 Ion Ratio Lower Upper
 91 100
 126 29.9 14.9 44.5



#80
 1,3,5-Trimethylbenzene
 Concen: 22.11 ug/l
 RT: 12.33 min Scan# 1229
 Delta R.T. 0.00 min
 Lab File: VD058207.D
 Acq: 20 Jun 2018 13:44

Tgt Ion: 105 Resp: 542462
 Ion Ratio Lower Upper
 105 100
 120 44.4 22.5 67.5

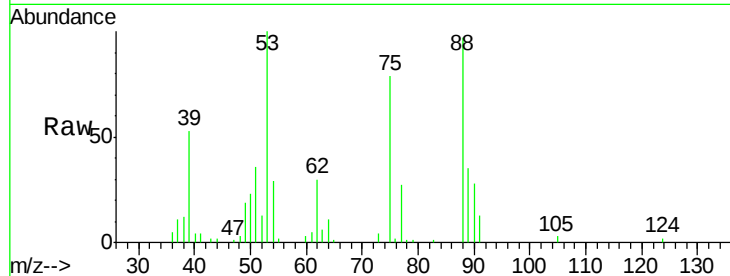




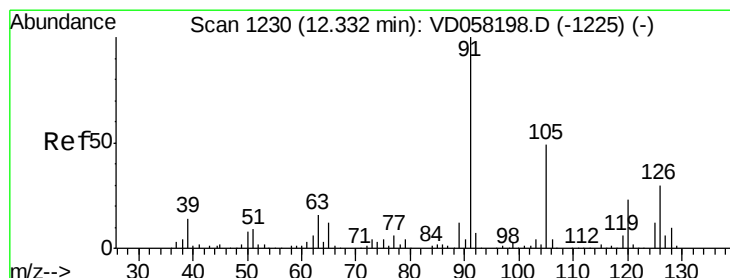
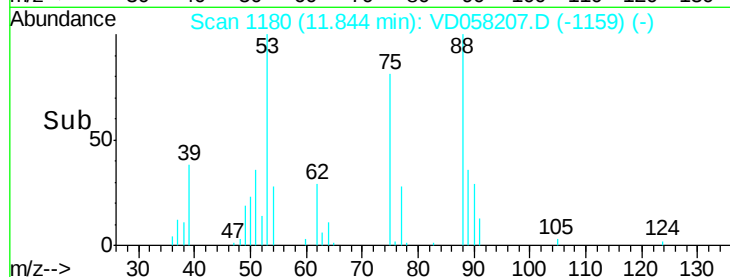
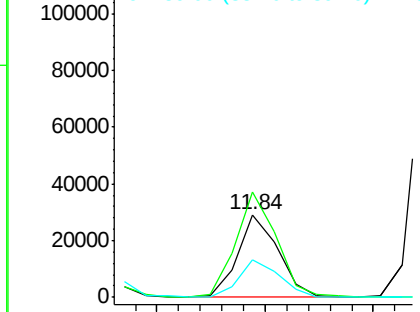
#81
trans-1,4-Dichloro-2-butene
Concen: 20.23 ug/l
RT: 11.84 min Scan# 1180
Delta R.T. 0.00 min
Lab File: VD058207.D
Acq: 20 Jun 2018 13:44

Instrument :
MSVOA_D
ClientSampleId :
VD0620SBSD02

Tot Ion: 75 Resp: 37883
Ion Ratio Lower Upper
75 100
53 127.1 100.8 151.2
89 45.1 34.6 52.0

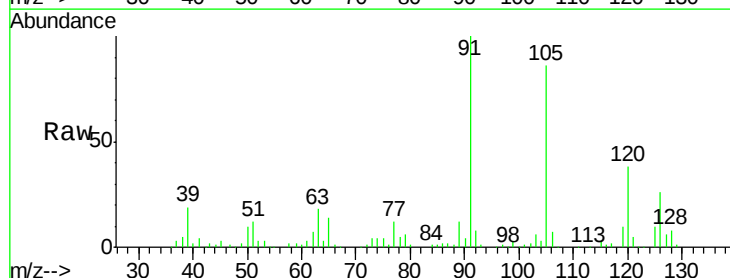


Abundance Ion 75.00 (74.70 to 75.70): VDC
Ion 53.00 (52.70 to 53.70): VDC
Ion 89.00 (88.70 to 89.70): VDC

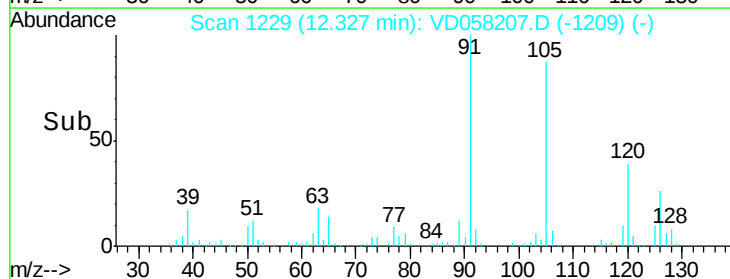
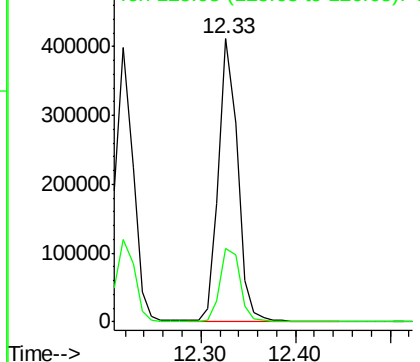


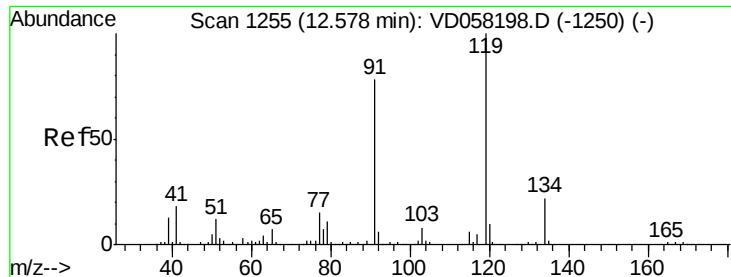
#82
4-Chlorotoluene
Concen: 22.56 ug/l
RT: 12.33 min Scan# 1229
Delta R.T. -0.00 min
Lab File: VD058207.D
Acq: 20 Jun 2018 13:44

Tgt Ion: 91 Resp: 578789
Ion Ratio Lower Upper
91 100
126 26.1 14.9 44.9



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

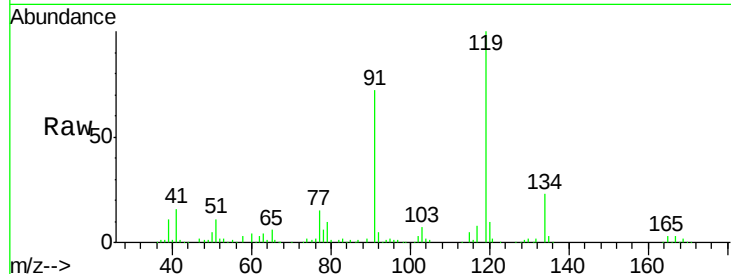




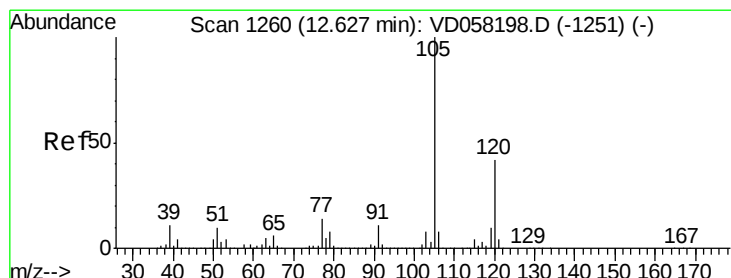
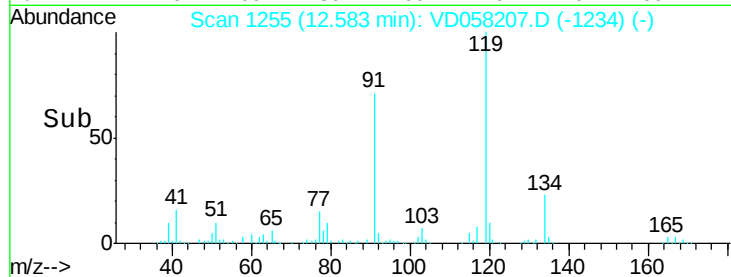
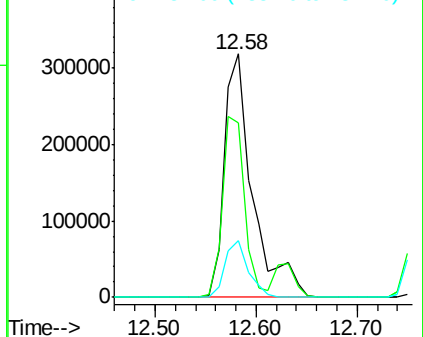
#83
tert-Butylbenzene
Concen: 21.97 ug/l
RT: 12.58 min Scan# 1255
Delta R.T. 0.00 min
Lab File: VD058207.D
Acq: 20 Jun 2018 13:44

Instrument :
MSVOA_D
ClientSampleId :
VD0620SBS02

Tot Ion:119 Resp: 619752
Ion Ratio Lower Upper
119 100
91 71.6 38.9 116.6
134 23.5 11.2 33.5

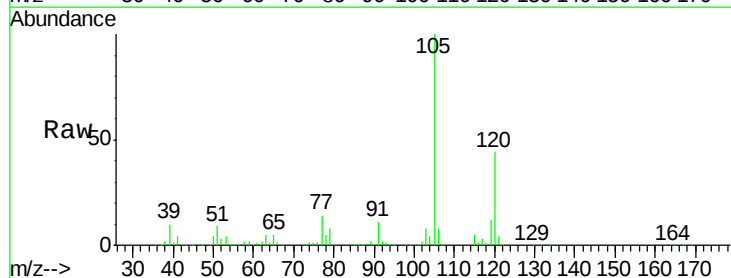


Abundance Ion 119.05 (118.75 to 119.75): V
Ion 91.00 (90.70 to 91.70): V
Ion 134.00 (133.70 to 134.70): V

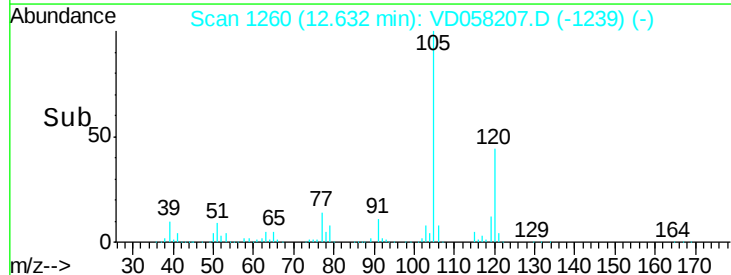
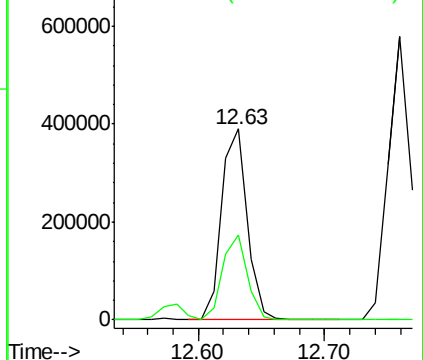


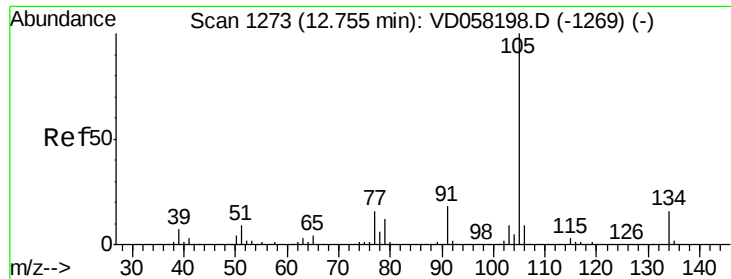
#84
1,2,4-Trimethylbenzene
Concen: 20.38 ug/l
RT: 12.63 min Scan# 1260
Delta R.T. 0.00 min
Lab File: VD058207.D
Acq: 20 Jun 2018 13:44

Tgt Ion:105 Resp: 543504
Ion Ratio Lower Upper
105 100
120 44.3 20.8 62.4



Abundance Ion 105.05 (104.75 to 105.75): V
Ion 120.05 (119.75 to 120.75): V





#85

sec-Butylbenzene

Concen: 22.43 ug/l

RT: 12.76 min Scan# 1273

Delta R.T. 0.00 min

Lab File: VD058207.D

Acq: 20 Jun 2018 13:44

Instrument :

MSVOA_D

ClientSampleId :

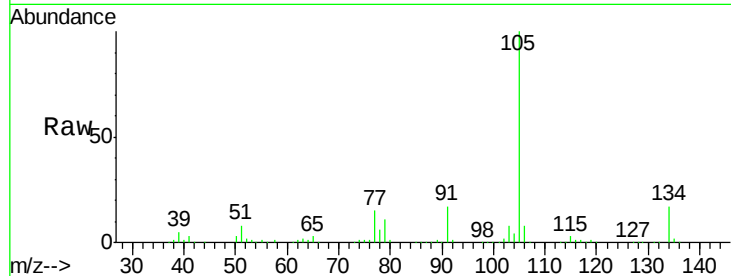
VD0620SBS02

Tot Ion:105 Resp: 741661

Ion Ratio Lower Upper

105 100

134 16.9 8.1 24.3



Abundance Ion 105.05 (104.75 to 105.75): V

Ion 134.10 (133.80 to 134.80): V

600000

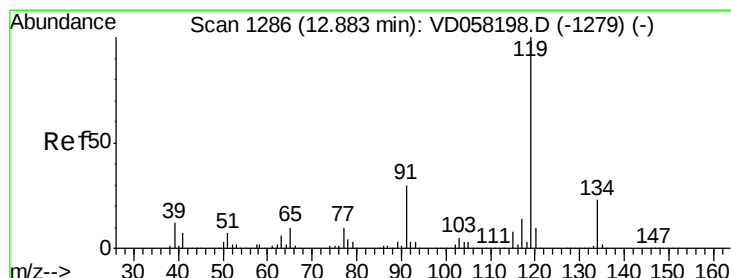
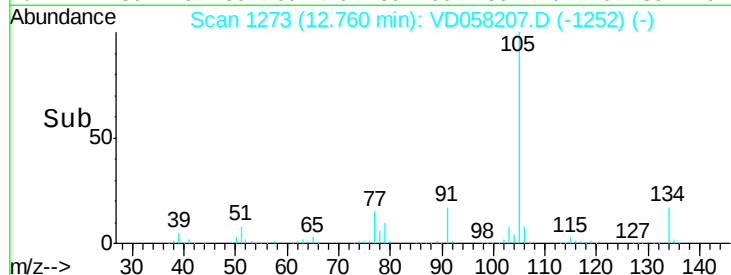
400000

200000

0

12.70 12.80 12.90

Time-->



#86

p-Isopropyltoluene

Concen: 22.47 ug/l

RT: 12.89 min Scan# 1286

Delta R.T. 0.00 min

Lab File: VD058207.D

Acq: 20 Jun 2018 13:44

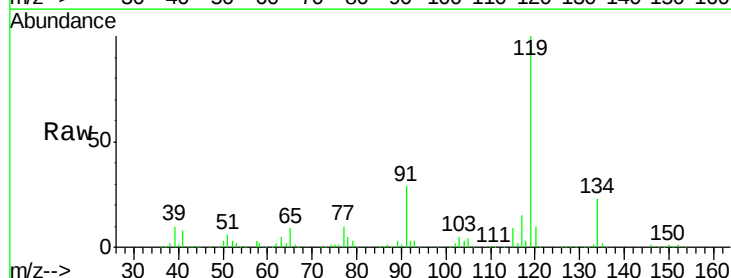
Tgt Ion:119 Resp: 602181

Ion Ratio Lower Upper

119 100

134 23.3 11.6 34.8

91 28.9 15.0 45.1



Abundance Ion 119.05 (118.75 to 119.75): V

Ion 134.10 (133.80 to 134.80): V

Ion 91.00 (90.70 to 91.70): V

600000

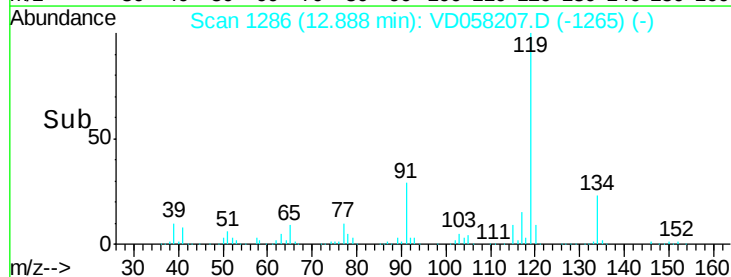
400000

200000

0

12.80 12.90 13.00

Time-->

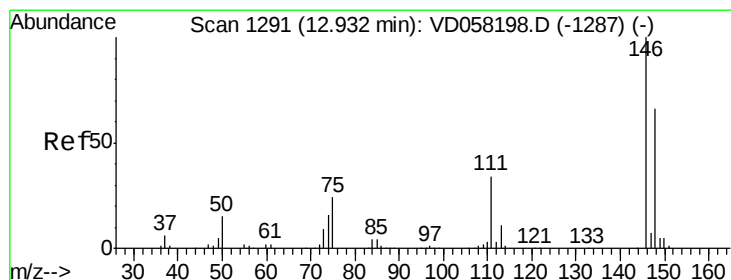
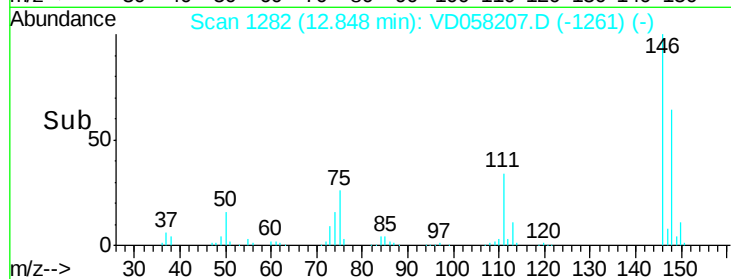
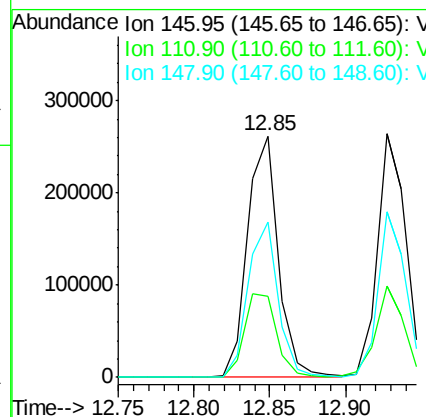
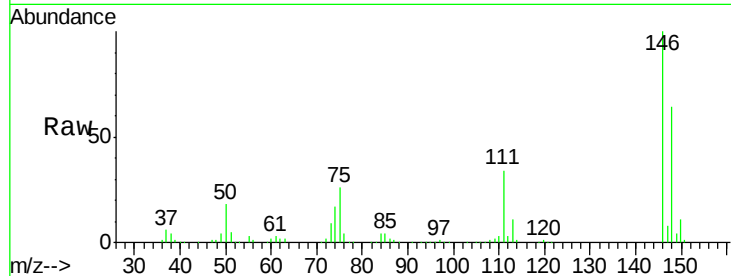




#87
 1,3-Dichlorobenzene
 Concen: 22.59 ug/l
 RT: 12.85 min Scan# 1282
 Delta R.T. 0.00 min
 Lab File: VD058207.D
 Acq: 20 Jun 2018 13:44

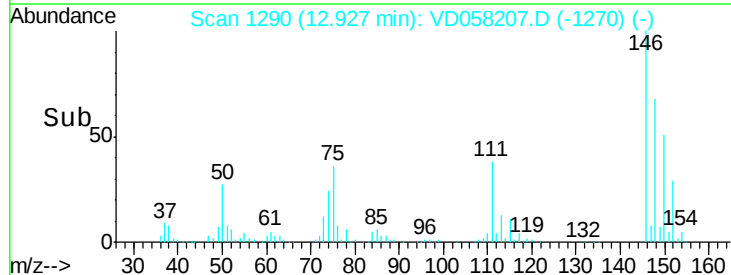
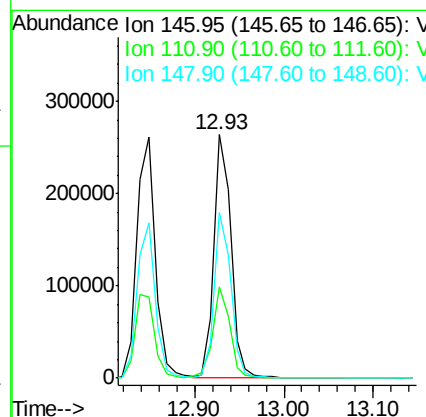
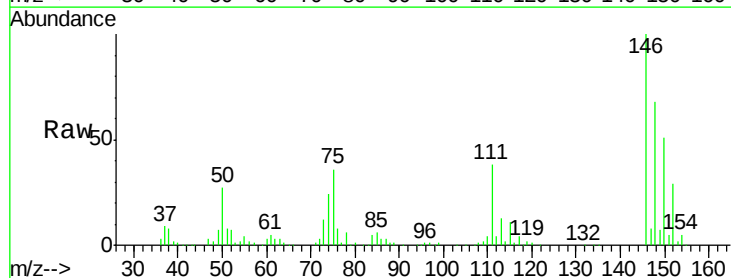
Instrument :
 MSVOA_D
 ClientSampleId :
 VD0620SBS02

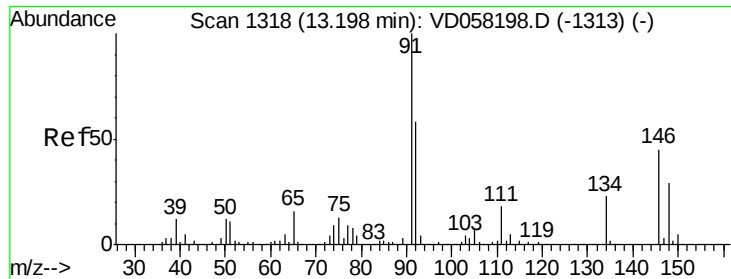
Tot Ion	Ratio	Lower	Upper
146	100		
111	33.8	18.4	55.0
148	64.3	32.8	98.4



#88
 1,4-Dichlorobenzene
 Concen: 21.94 ug/l
 RT: 12.93 min Scan# 1290
 Delta R.T. -0.01 min
 Lab File: VD058207.D
 Acq: 20 Jun 2018 13:44

Tgt Ion	Ratio	Lower	Upper
146	100		
111	37.8	17.2	51.5
148	67.8	33.1	99.3

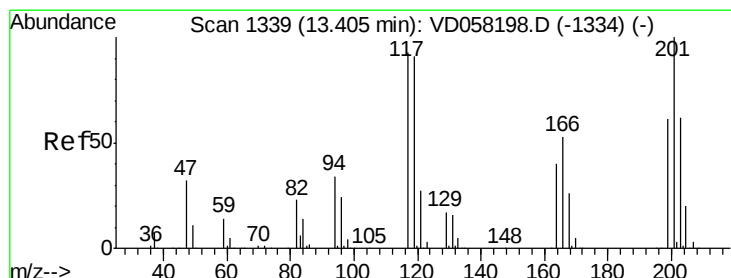
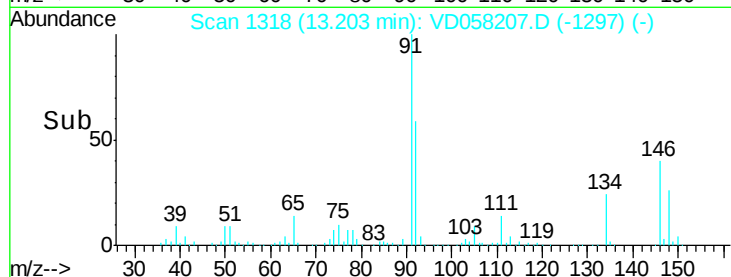
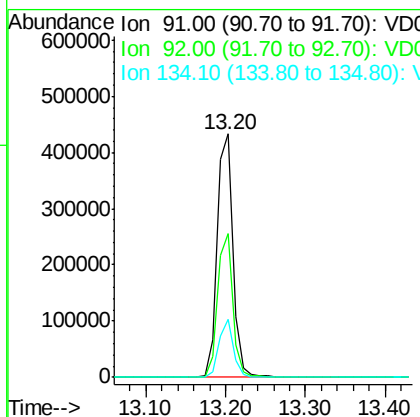
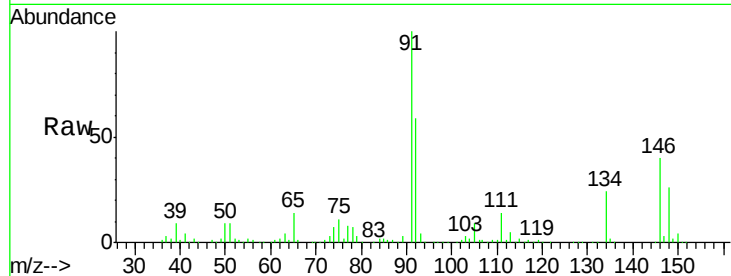




#89
n-Butylbenzene
Concen: 21.74 ug/l
RT: 13.20 min Scan# 1318
Delta R.T. 0.00 min
Lab File: VD058207.D
Acq: 20 Jun 2018 13:44

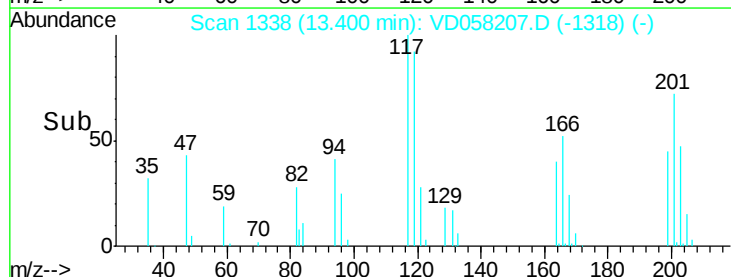
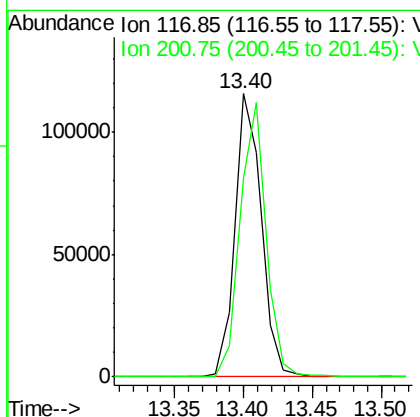
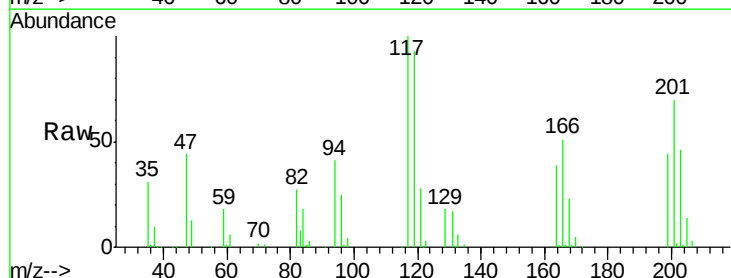
Instrument :
MSVOA_D
ClientSampleId :
VD0620SBSD02

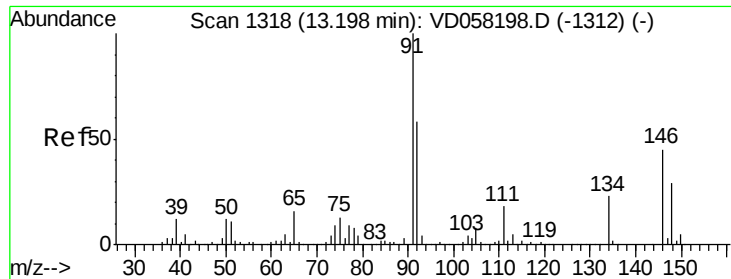
Tot Ion: 91 Resp: 612229
Ion Ratio Lower Upper
91 100
92 59.1 29.2 87.6
134 23.8 11.3 33.8



#90
Hexachloroethane
Concen: 22.12 ug/l
RT: 13.40 min Scan# 1338
Delta R.T. -0.01 min
Lab File: VD058207.D
Acq: 20 Jun 2018 13:44

Tgt Ion: 117 Resp: 153873
Ion Ratio Lower Upper
117 100
201 70.3 53.8 161.4

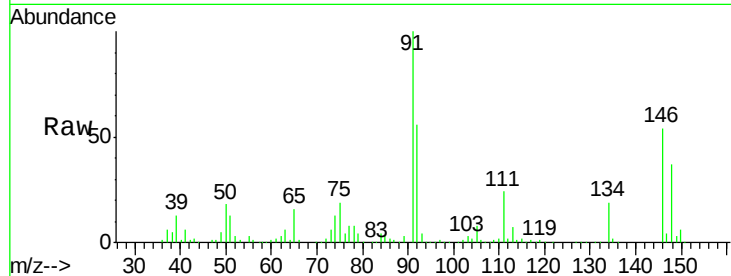




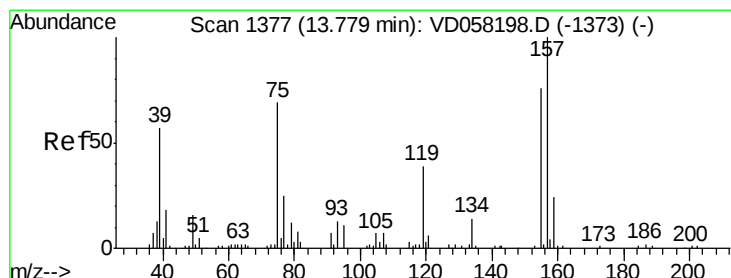
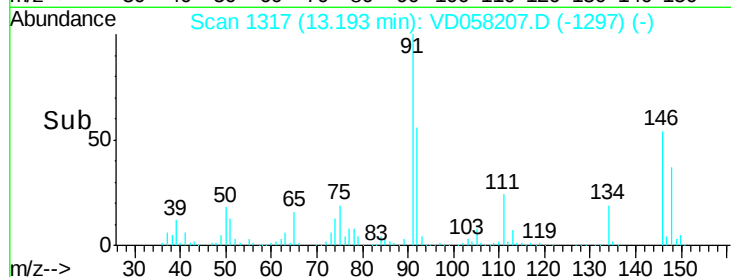
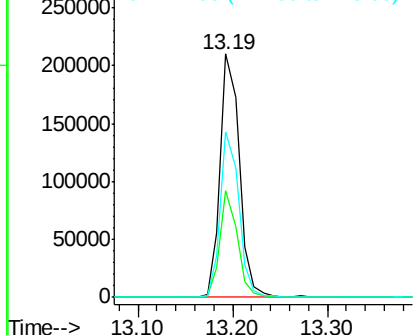
#91
 1,2-Dichlorobenzene
 Concen: 21.37 ug/l
 RT: 13.19 min Scan# 1317
 Delta R.T. -0.01 min
 Lab File: VD058207.D
 Acq: 20 Jun 2018 13:44

Instrument :
 MSVOA_D
 ClientSampleID :
 VD0620SBSD02

Tot Ion:146 Resp: 297758
 Ion Ratio Lower Upper
 146 100
 111 43.6 19.6 58.7
 148 67.8 32.0 96.2

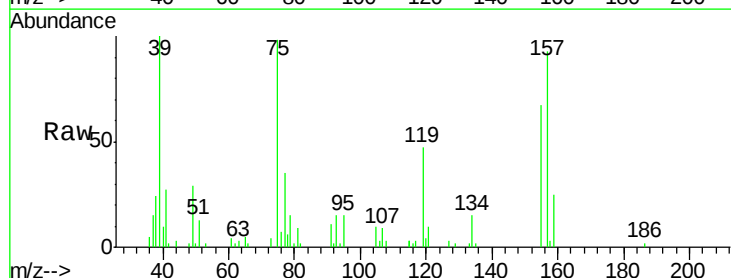


Abundance Ion 145.95 (145.65 to 146.65): V
 Ion 110.90 (110.60 to 111.60): V
 Ion 147.90 (147.60 to 148.60): V

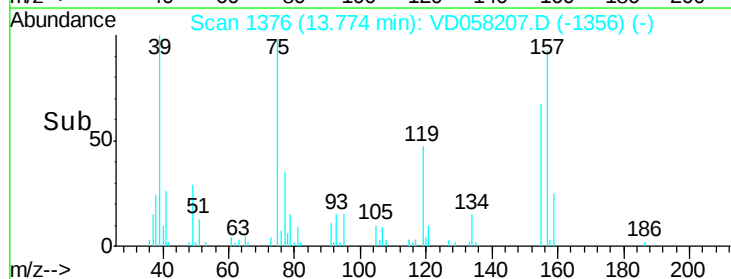
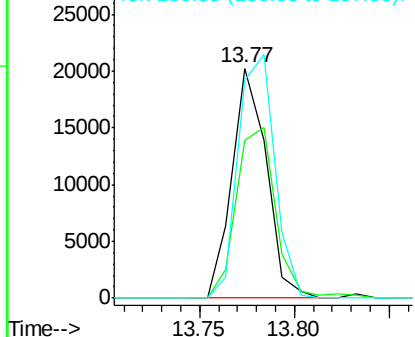


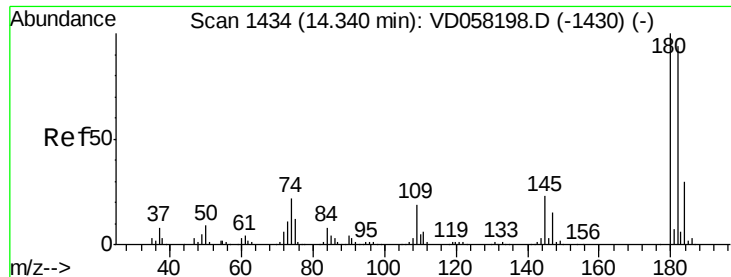
#92
 1,2-Dibromo-3-Chloropropane
 Concen: 21.78 ug/l
 RT: 13.77 min Scan# 1376
 Delta R.T. -0.01 min
 Lab File: VD058207.D
 Acq: 20 Jun 2018 13:44

Tgt Ion: 75 Resp: 25382
 Ion Ratio Lower Upper
 75 100
 155 68.4 54.5 163.5
 157 94.5 72.0 215.9



Abundance Ion 75.00 (74.70 to 75.70): VDC
 Ion 154.90 (154.60 to 155.60): V
 Ion 156.85 (156.55 to 157.55): V

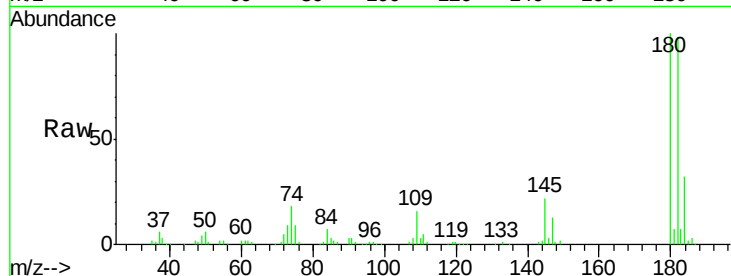




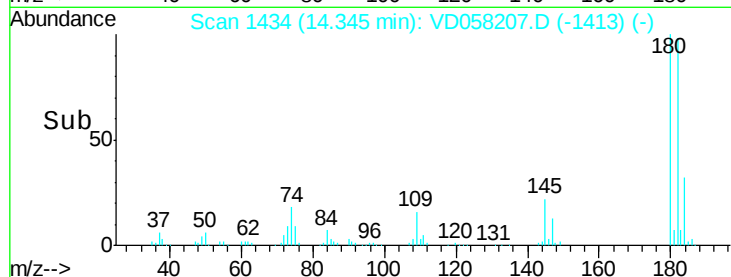
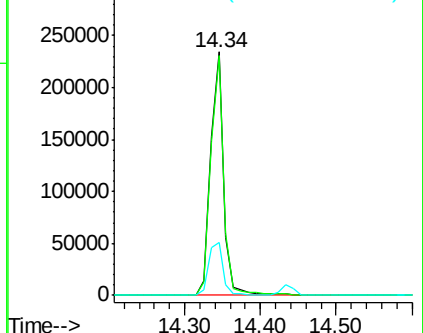
#93
 1,2,4-Trichlorobenzene
 Concen: 21.45 ug/l
 RT: 14.34 min Scan# 1434
 Delta R.T. 0.00 min
 Lab File: VD058207.D
 Acq: 20 Jun 2018 13:44

Instrument :
 MSVOA_D
 ClientSampleId :
 VD0620SBSD02

Tot Ion:180 Resp: 285919
 Ion Ratio Lower Upper
 180 100
 182 98.4 47.1 141.3
 145 21.8 11.7 35.0

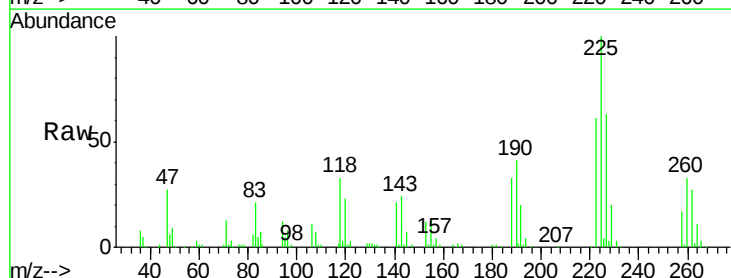


Abundance Ion 179.85 (179.55 to 180.55): V
 Ion 181.85 (181.55 to 182.55): V
 Ion 144.95 (144.65 to 145.65): V

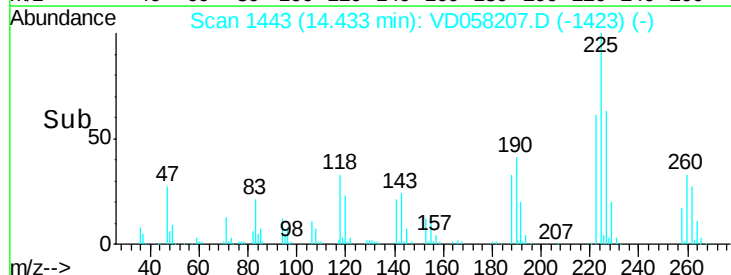
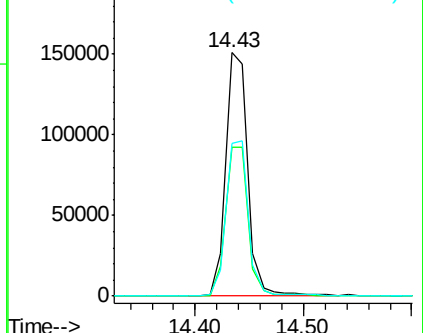


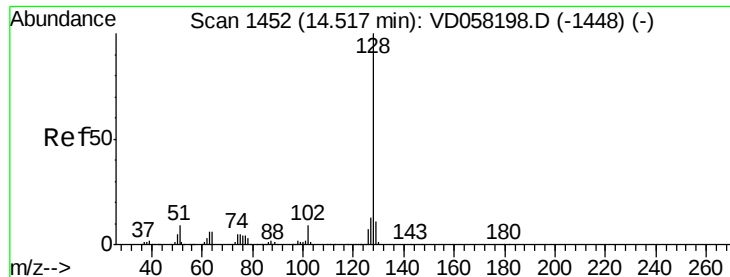
#94
 Hexachlorobutadiene
 Concen: 20.60 ug/l
 RT: 14.43 min Scan# 1443
 Delta R.T. -0.01 min
 Lab File: VD058207.D
 Acq: 20 Jun 2018 13:44

Tgt Ion:225 Resp: 214731
 Ion Ratio Lower Upper
 225 100
 223 61.0 30.1 90.3
 227 62.7 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: 21.31 ug/l

RT: 14.52 min Scan# 1452

Delta R.T. 0.00 min

Lab File: VD058207.D

Acq: 20 Jun 2018 13:44

Instrument :

MSVOA_D

ClientSampleId :

VD0620SBSD02

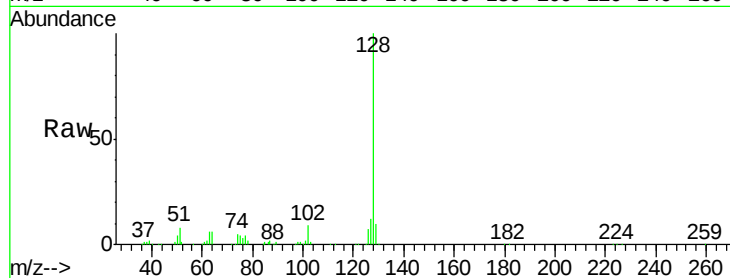
Tot Ion:128 Resp: 374075

Ion Ratio Lower Upper

128 100

127 12.3 10.0 15.0

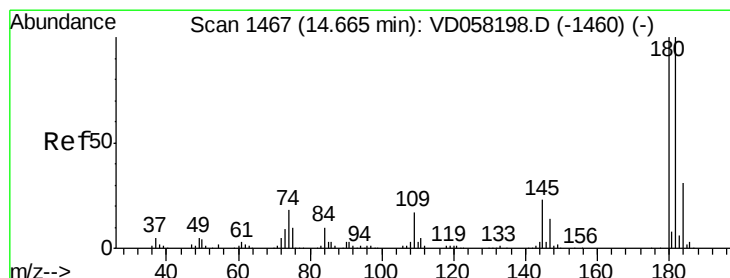
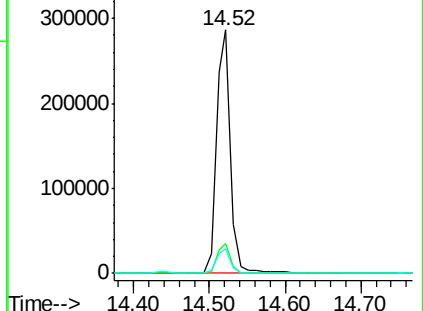
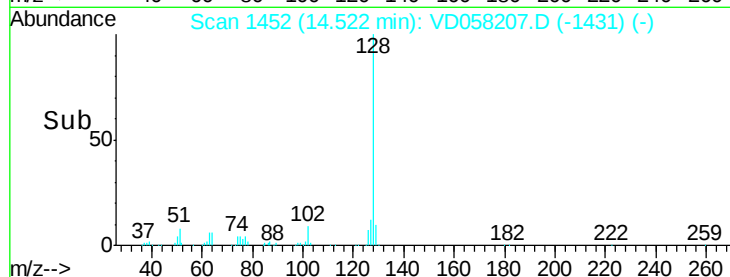
129 10.1 8.7 13.1



Abundance Ion 128.00 (127.70 to 128.70): V

Ion 127.00 (126.70 to 127.70): V

Ion 129.00 (128.70 to 129.70): V



#96

1,2,3-Trichlorobenzene

Concen: 21.26 ug/l

RT: 14.66 min Scan# 1466

Delta R.T. -0.01 min

Lab File: VD058207.D

Acq: 20 Jun 2018 13:44

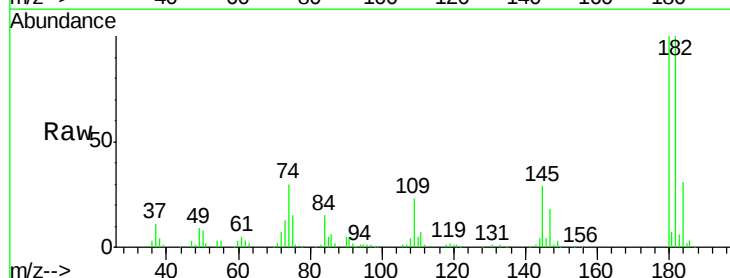
Tgt Ion:180 Resp: 248008

Ion Ratio Lower Upper

180 100

182 99.7 49.9 149.6

145 29.1 11.7 35.1



Abundance Ion 179.85 (179.55 to 180.55): V

Ion 181.85 (181.55 to 182.55): V

Ion 144.95 (144.65 to 145.65): V

