

Data Path : Z:\VOASRV\HPCHEM1\MSVOA D\DATA\VD062018\
 Data File : VD058207.D
 Acq On : 20 Jun 2018 13:44
 Operator : VA/AP
 Sample : VD0620SBSD01
 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	R.T.	QIon	Response	Conc	Units	Dev(Min)
33) 1,2-Dichloroethane-d4	6.02	65	523457	54.07	ug/l	0.00
Spiked Amount			Recovery	=	108.14%	
35) Dibromofluoromethane	5.55	113	542789	53.96	ug/l	0.00
Spiked Amount			Recovery	=	107.92%	
50) Toluene-d8	8.71	98	1247604	51.26	ug/l	0.00
Spiked Amount			Recovery	=	102.52%	
62) 4-Bromofluorobenzene	11.93	95	520440	52.35	ug/l	0.00
Spiked Amount			Recovery	=	104.70%	

Target Compounds	R.T.	QIon	Response	Conc	Units	Qvalue
2) Dichlorodifluoromethane	1.34	85	235298	24.099	ug/l	96
3) Chloromethane	1.49	50	109272	23.848	ug/l	91
4) Vinyl Chloride	1.55	62	112125	22.333	ug/l	97
5) Bromomethane	1.78	94	35789	18.818	ug/l	91
6) Chloroethane	1.87	64	37903	19.357	ug/l	95
7) Trichlorofluoromethane	2.08	101	139482	20.262	ug/l	95
8) Diethyl Ether	2.34	74	32346	22.216	ug/l	86
9) 1,1,2-Trichlorotrifluoroet	2.54	101	92779	21.201	ug/l	88
10) Methyl Iodide	2.69	142	104927	21.079	ug/l	96
11) Tert butyl alcohol	3.27	59	29156	91.319	ug/l	96
12) 1,1-Dichloroethene	2.54	96	69222	21.024	ug/l	87
13) Acrolein	2.47	56	22278	122.231	ug/l	93
14) Allyl chloride	2.92	41	164943	21.524	ug/l	99
15) Acrylonitrile	3.36	53	87886	103.814	ug/l	95
16) Acetone	2.61	43	141729	107.057	ug/l #	88
17) Carbon Disulfide	2.75	76	247581	22.101	ug/l	96
18) Methyl Acetate	2.94	43	53687	19.015	ug/l #	86
19) Methyl tert-butyl Ether	3.41	73	221328	25.344	ug/l	99
20) Methylene Chloride	3.06	84	83271	21.365	ug/l	94
21) trans-1,2-Dichloroethene	3.38	96	73400	20.398	ug/l	81
22) Diisopropyl ether	4.08	45	665365	21.861	ug/l	97
23) Vinyl Acetate	4.02	43	1841646	112.876	ug/l	100
24) 1,1-Dichloroethane	3.97	63	367800	22.430	ug/l	100
25) 2-Butanone	4.84	43	316593	109.723	ug/l	100
26) 2,2-Dichloropropane	4.80	77	311714	22.703	ug/l	99
27) cis-1,2-Dichloroethene	4.81	96	207264	23.049	ug/l	96
28) Bromochloromethane	5.15	49	163933	22.302	ug/l #	96
29) Tetrahydrofuran	5.19	42	165865	107.997	ug/l	99
30) Chloroform	5.33	83	388008	22.414	ug/l	96
31) Cyclohexane	5.59	56	291210	21.479	ug/l	97
32) 1,1,1-Trichloroethane	5.51	97	313799	21.940	ug/l	98
36) 1,1-Dichloropropene	5.75	75	265069	21.680	ug/l	97
37) Ethyl Acetate	4.93	43	148697	21.345	ug/l	96
38) Carbon Tetrachloride	5.72	117	269999	22.225	ug/l	98

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 Sample : VD0620SBSD01
 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)
39) Methylcyclohexane	7.29	83	257882	21.654	ug/l	99
40) Benzene	6.02	78	619878	21.283	ug/l	97
41) Methacrylonitrile	5.13	41	77483	23.034	ug/l	98
42) 1,2-Dichloroethane	6.13	62	263188	22.411	ug/l	97
43) Isopropyl Acetate	7.62	43	196970	21.208	ug/l #	99
44) Trichloroethene	6.98	130	183687	21.003	ug/l	93
45) 1,2-Dichloropropane	7.36	63	179025	22.824	ug/l	94
46) Dibromomethane	7.46	93	115617	21.592	ug/l	100
47) Bromodichloromethane	7.75	83	274972	22.519	ug/l	95
48) Methyl methacrylate	7.51	41	122820	21.758	ug/l	97
49) 1,4-Dioxane	7.49	88	23786	466.819	ug/l #	84
51) 4-Methyl-2-Pentanone	8.61	43	650595	107.395	ug/l	98
52) Toluene	8.80	92	352895	21.279	ug/l	100
53) t-1,3-Dichloropropene	9.20	75	234334	22.073	ug/l	96
54) cis-1,3-Dichloropropene	8.37	75	273848	22.003	ug/l	97
55) 1,1,2-Trichloroethane	9.46	97	127451	21.721	ug/l	96
56) Ethyl methacrylate	9.31	69	151442	21.582	ug/l	96
57) 1,3-Dichloropropane	9.67	76	219348	22.193	ug/l	94
58) 2-Chloroethyl Vinyl ether	8.19	63	377900	108.783	ug/l	99
59) 2-Hexanone	9.80	43	490959	112.158	ug/l	100
60) Dibromochloromethane	9.96	129	174820	21.954	ug/l	95
61) 1,2-Dibromoethane	10.10	107	138654	21.590	ug/l	100
64) Tetrachloroethene	9.52	164	181531	21.566	ug/l	97
65) Chlorobenzene	10.73	112	408005	21.803	ug/l	98
66) 1,1,1,2-Tetrachloroethane	10.85	131	158134	21.897	ug/l	96
67) Ethyl Benzene	10.86	91	718515	21.749	ug/l	100
68) m/p-Xylenes	11.02	106	490178	44.492	ug/l	94
69) o-Xylene	11.41	106	247180	23.490	ug/l	98
70) Styrene	11.43	104	409311	22.795	ug/l	94
71) Bromoform	11.61	173	121019	21.007	ug/l	96
73) Isopropylbenzene	11.78	105	664065	21.107	ug/l	100
74) N-amyl acetate	11.65	43	246592	20.271	ug/l	98
75) 1,1,2,2-Tetrachloroethane	12.08	83	151484	20.690	ug/l	98
76) 1,2,3-Trichloropropane	12.12	75	167959	21.871	ug/l	99
77) Bromobenzene	12.04	156	204023	21.656	ug/l	82
78) n-propylbenzene	12.16	91	870904	21.435	ug/l	97
79) 2-Chlorotoluene	12.22	91	522534	22.475	ug/l	100
80) 1,3,5-Trimethylbenzene	12.33	105	542462	22.106	ug/l	99
81) trans-1,4-Dichloro-2-buten	11.84	75	37883	20.226	ug/l	99
82) 4-Chlorotoluene	12.33	91	578789	22.560	ug/l	93
83) tert-Butylbenzene	12.58	119	619752	21.967	ug/l	94
84) 1,2,4-Trimethylbenzene	12.63	105	543504	20.376	ug/l	96
85) sec-Butylbenzene	12.76	105	741661	22.428	ug/l	98
86) p-Isopropyltoluene	12.89	119	602181	22.471	ug/l	99
87) 1,3-Dichlorobenzene	12.85	146	369952	22.593	ug/l	97
88) 1,4-Dichlorobenzene	12.93	146	350778	21.937	ug/l	97
89) n-Butylbenzene	13.20	91	612229	21.738	ug/l	99
90) Hexachloroethane	13.40	117	153873	22.122	ug/l	64
91) 1,2-Dichlorobenzene	13.19	146	297758	21.368	ug/l	94
92) 1,2-Dibromo-3-Chloropropan	13.77	75	25382	21.783	ug/l	61

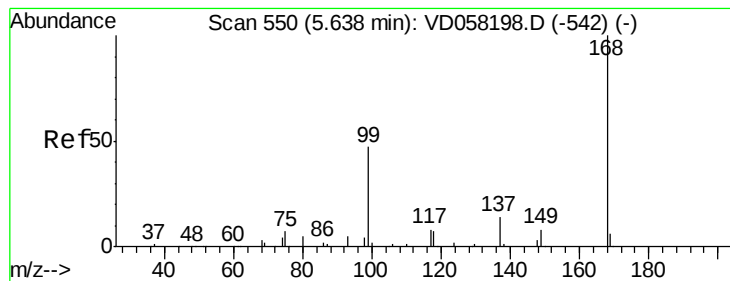
Data Path : Z:\VOASRV\HPCHEM1\MSVOA D\DATA\VD062018\
Data File : VD058207.D
Acq On : 20 Jun 2018 13:44
Operator : VA/AP
Sample : VD0620SBSD01
Misc : 5.00g/5ml/MSVOA D/SOIL
ALS Vial : 5 Sample Multiplier: 1

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)
93) 1,2,4-Trichlorobenzene	14.34	180	285919	21.453	ug/l	96
94) Hexachlorobutadiene	14.43	225	214731	20.599	ug/l	97
95) Naphthalene	14.52	128	374075	21.308	ug/l	99
96) 1,2,3-Trichlorobenzene	14.66	180	248008	21.256	ug/l	98

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



#1

Pentafluorobenzene

Concen: 50.000 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 :

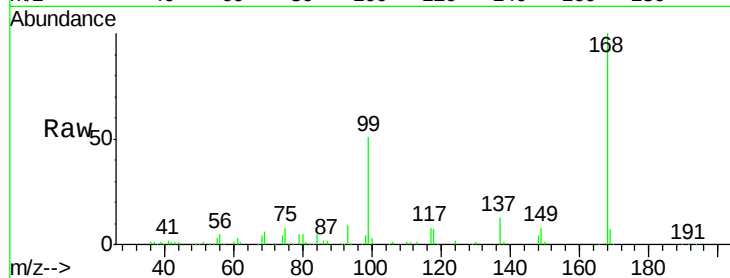
VD0620SBSD02

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

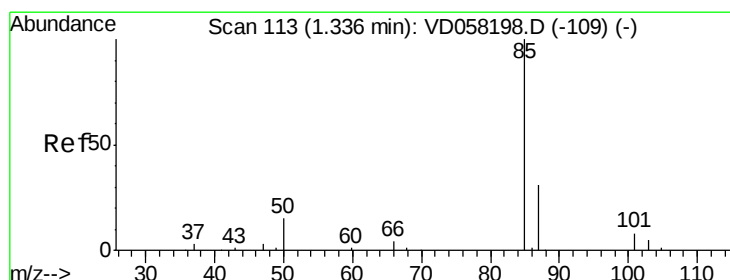
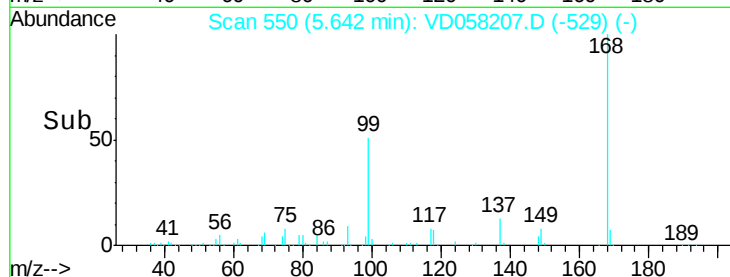
200000

100000

0

5.50 5.60 5.70 5.80

Time-->



#2

Dichlorodifluoromethane

Concen: 24.099 ug/l

RT: 1.34 min Scan# 113

Delta R.T. 0.01 min

Lab File: VD058207.D

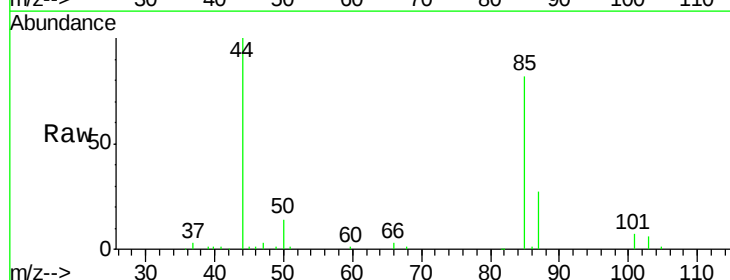
Acq: 20 Jun 2018 13:44

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

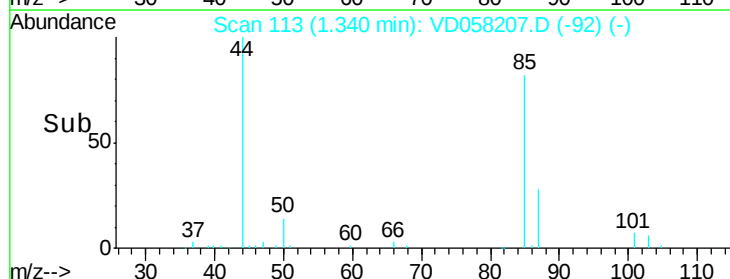
40000

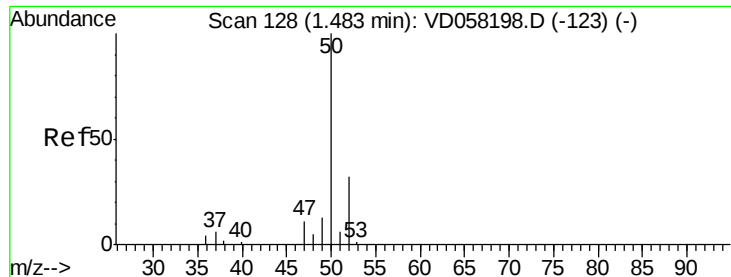
20000

0

1.30 1.40 1.50

Time-->





#3

Chloromethane

Concen: 23.848 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 :

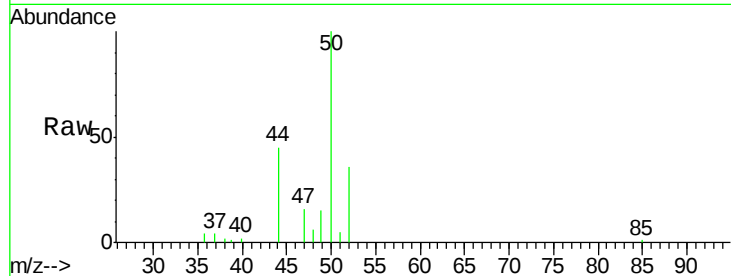
VD0620SBS02

Tot Ion: 50 Resp: 109272

Ion Ratio Lower Upper

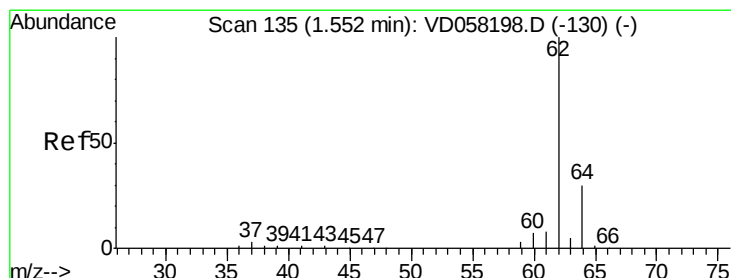
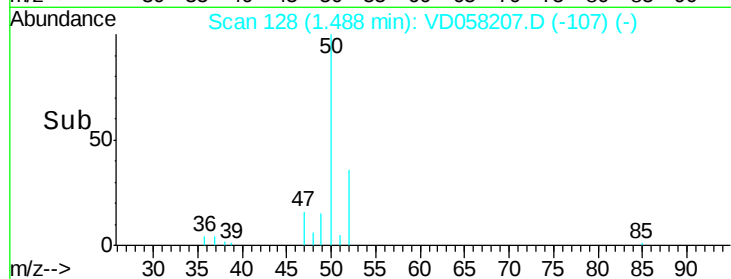
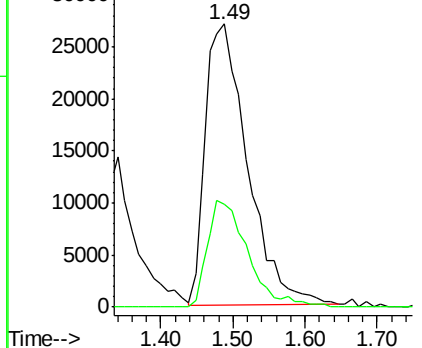
50 100

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: 22.333 ug/l

RT: 1.55 min Scan# 134

Delta R.T. -0.01 min

Lab File: VD058207.D

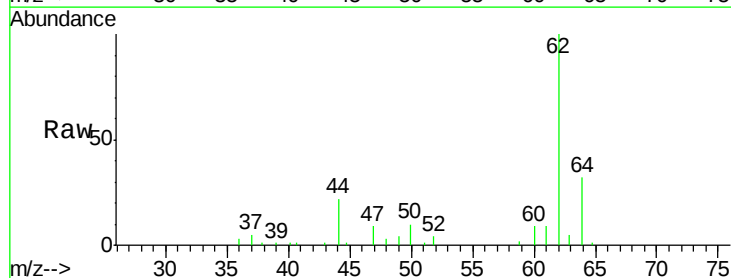
Acq: 20 Jun 2018 13:44

Tgt Ion: 62 Resp: 112125

Ion Ratio Lower Upper

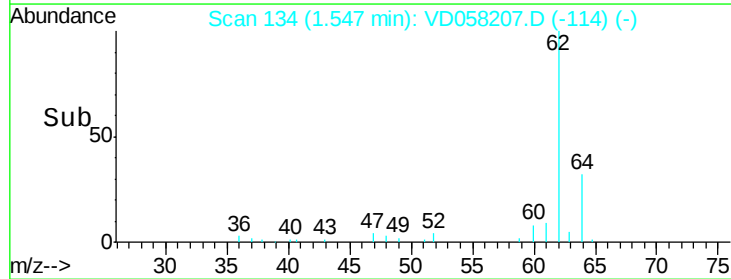
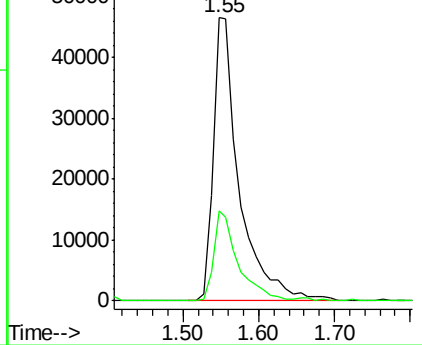
62 100

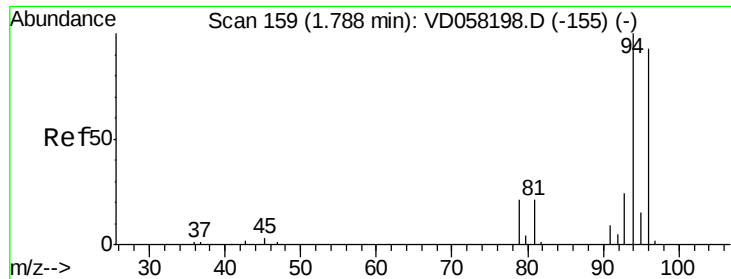
64 32.0 24.4 36.6



Abundance Ion 61.95 (61.65 to 62.65): VDC

Ion 63.95 (63.65 to 64.65): VDC





#5

Bromomethane

Concen: 18.818 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 :

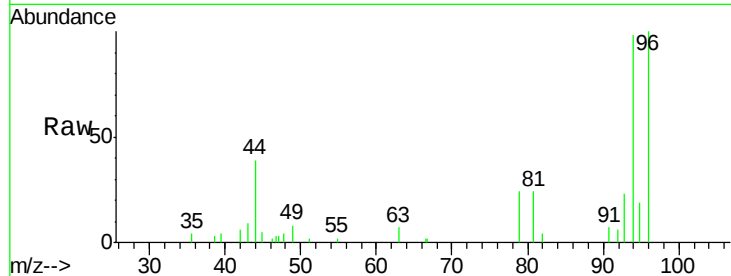
VD0620SBS02

Tot Ion: 94 Resp: 35789

Ion Ratio Lower Upper

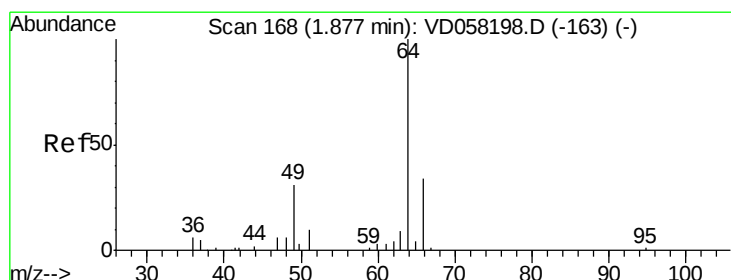
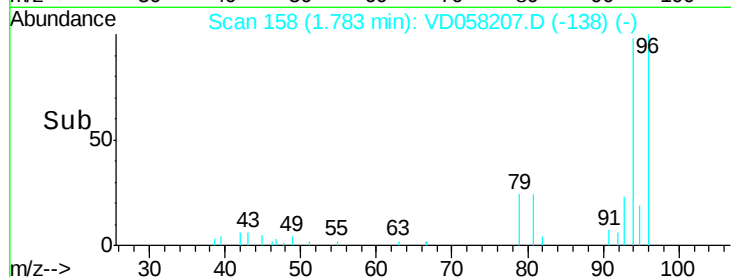
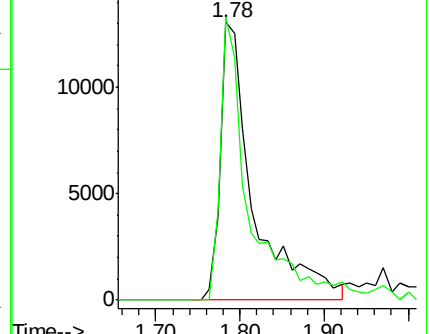
94 100

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: 19.357 ug/l

RT: 1.87 min Scan# 167

Delta R.T. -0.01 min

Lab File: VD058207.D

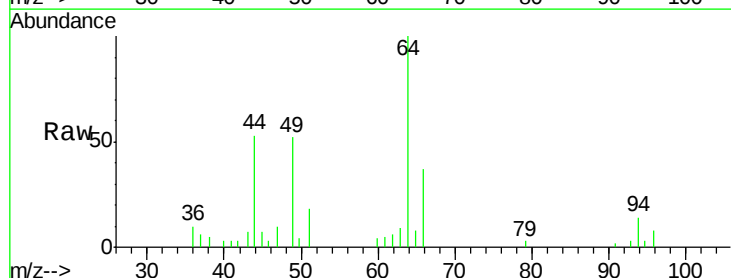
Acq: 20 Jun 2018 13:44

Tgt Ion: 64 Resp: 37903

Ion Ratio Lower Upper

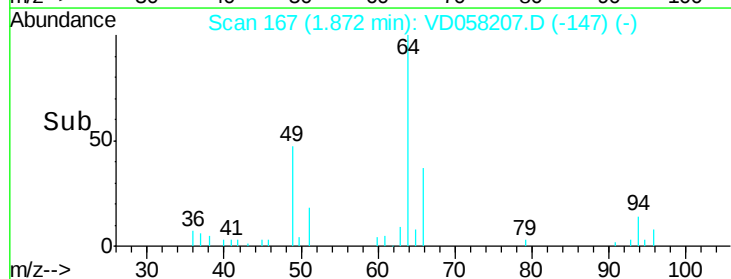
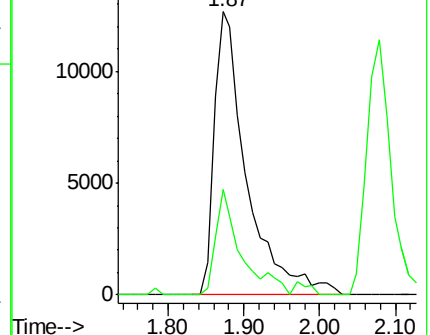
64 100

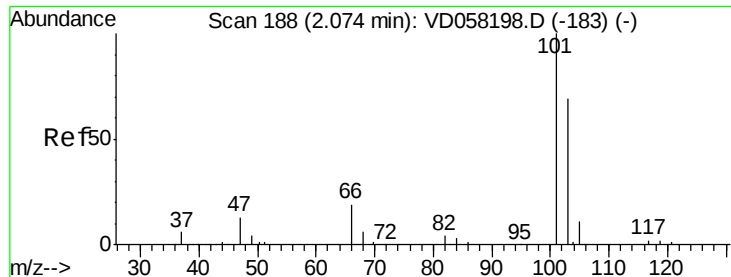
66 37.2 27.3 40.9



Abundance Ion 63.95 (63.65 to 64.65): VDC

Ion 65.90 (65.60 to 66.60): VDC



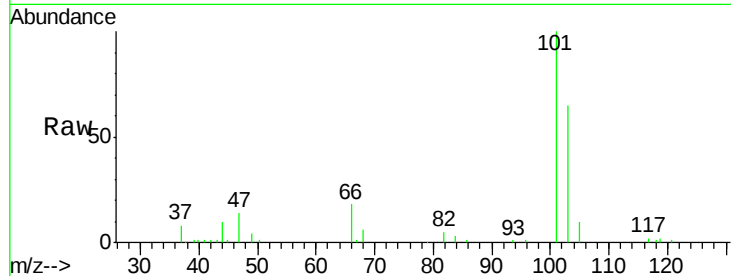


#7

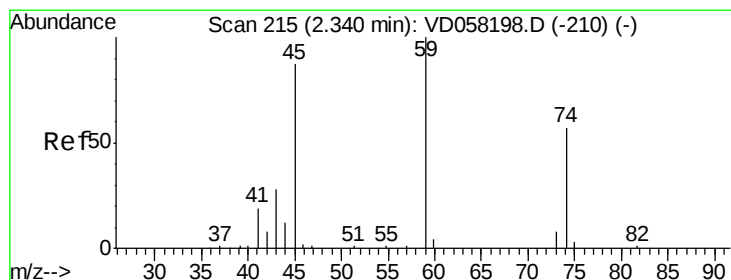
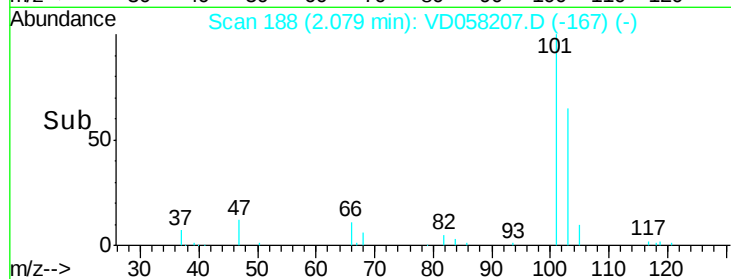
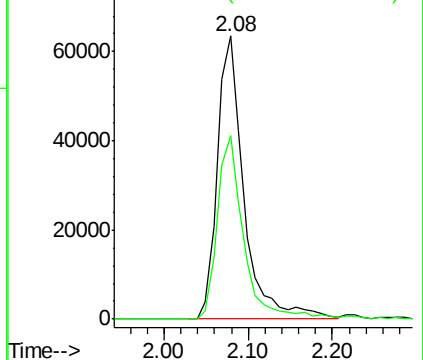
Trichlorofluoromethane
Concen: 20.262 ug/l
RT: 2.08 min Scan# 188
Delta R.T. 0.00 min
Lab File: VD058207.D
Acq: 20 Jun 2018 13:44

Instrument :
MSVOA_D
ClientSampleId :
VD0620SBS02

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



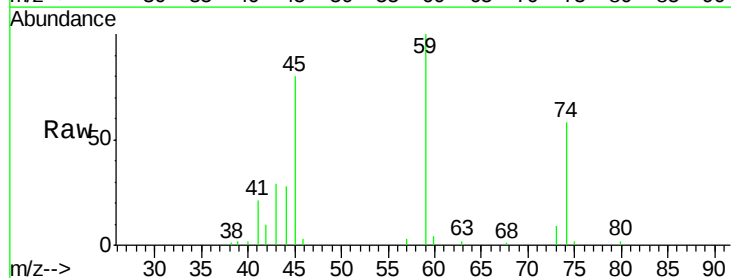
Abundance Ion 100.85 (100.55 to 101.55): V
Ion 102.85 (102.55 to 103.55): V



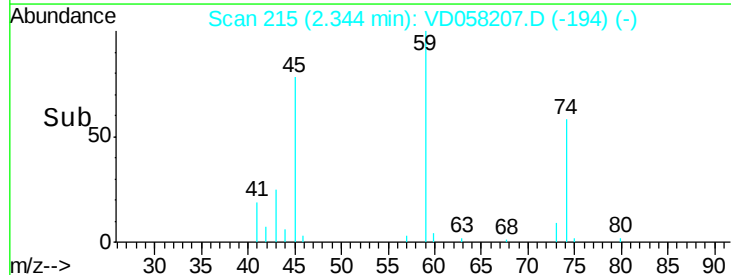
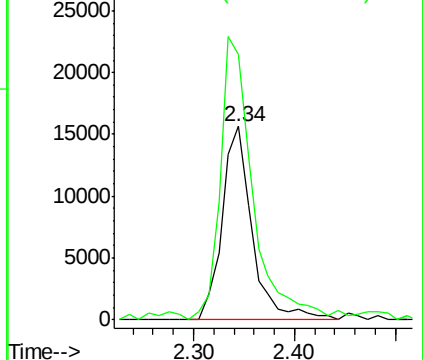
#8

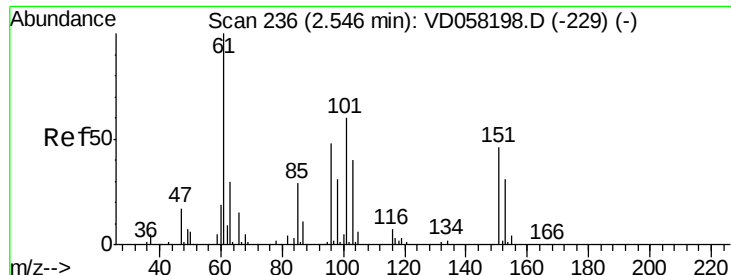
Diethyl Ether
Concen: 22.216 ug/l
RT: 2.34 min Scan# 215
Delta R.T. 0.00 min
Lab File: VD058207.D
Acq: 20 Jun 2018 13:44

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: 21.201 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

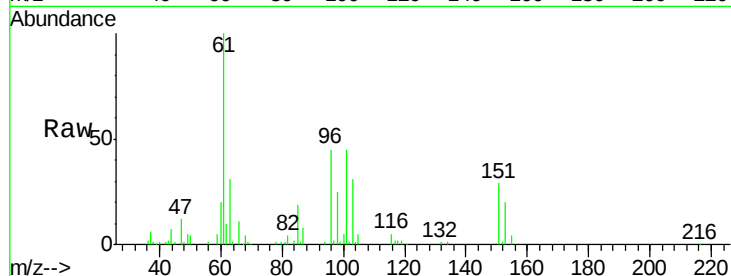
Tot Ion:101 Resp: 92779

Ion Ratio Lower Upper

101 100

85 43.4 39.0 58.4

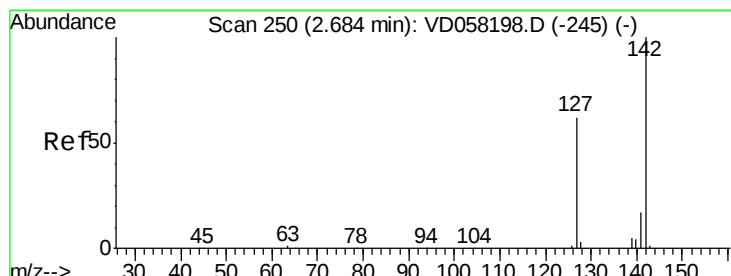
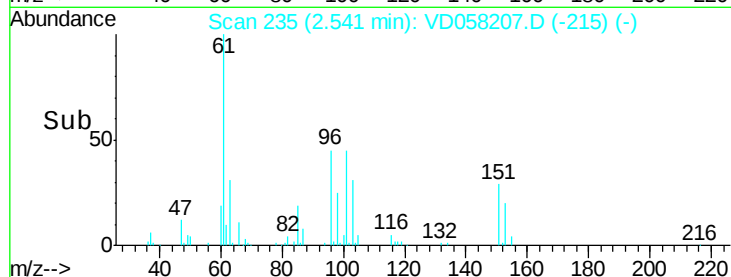
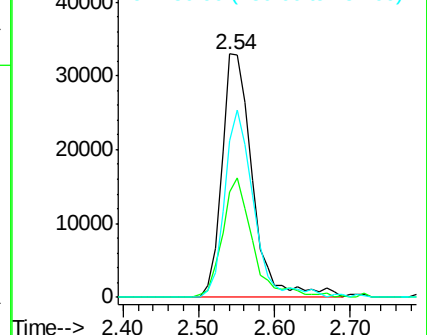
151 64.4 61.8 92.8



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



#10

Methyl Iodide

Concen: 21.079 ug/l

RT: 2.69 min Scan# 250

Delta R.T. 0.00 min

Lab File: VD058207.D

Acq: 20 Jun 2018 13:44

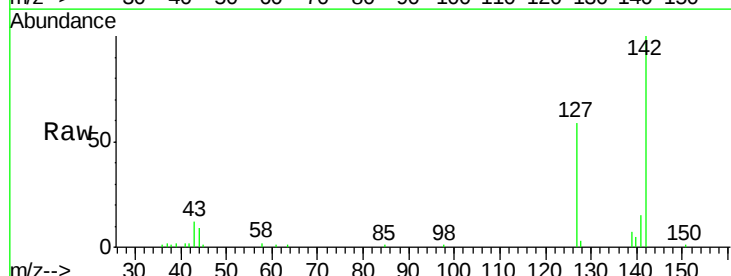
Tgt Ion:142 Resp: 104927

Ion Ratio Lower Upper

142 100

127 58.9 49.4 74.0

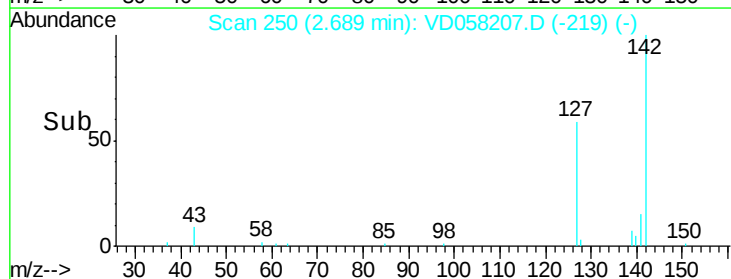
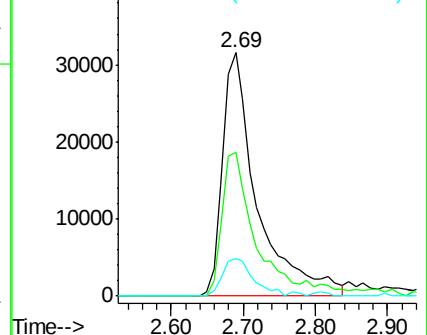
141 15.3 13.5 20.3



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



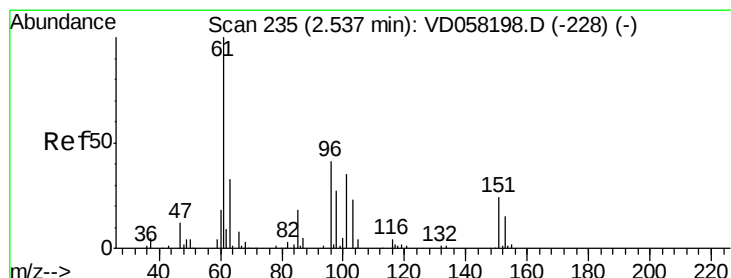
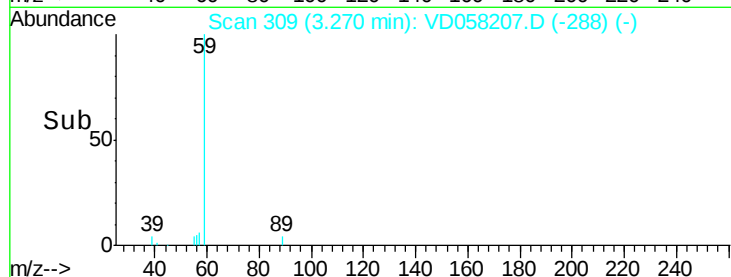
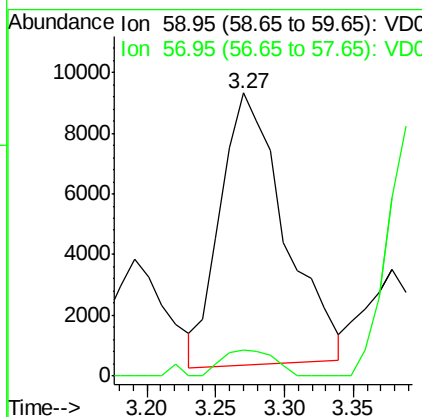
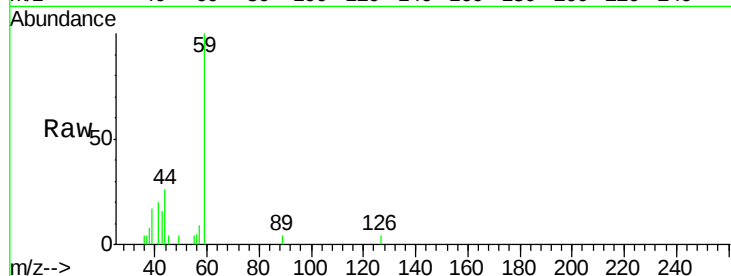


#11

Tert butyl alcohol
 Concen: 91.319 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 :
 VD0620SBS02

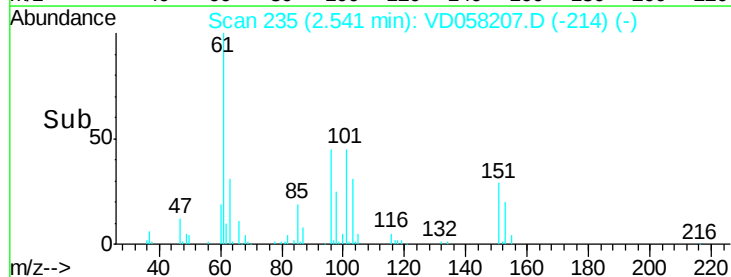
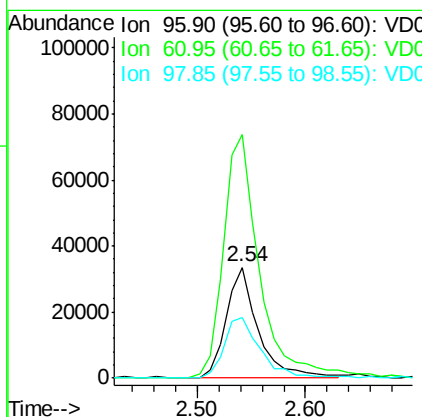
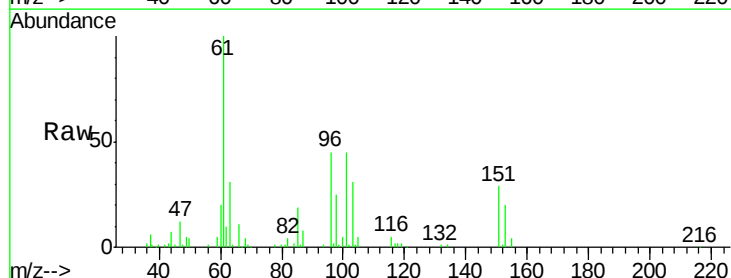
Tot Ion: 59 Resp: 29156
 Ion Ratio Lower Upper
 59 100
 57 9.2 6.2 9.4

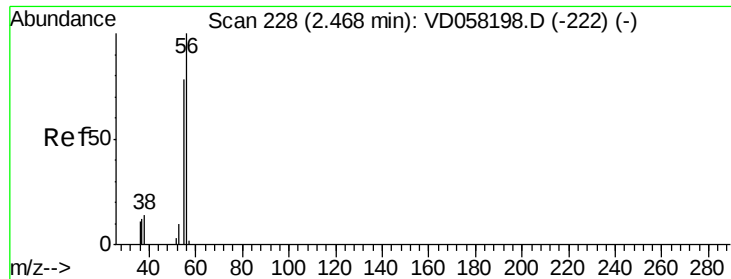


#12

1,1-Dichloroethene
 Concen: 21.024 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: 122.231 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 :

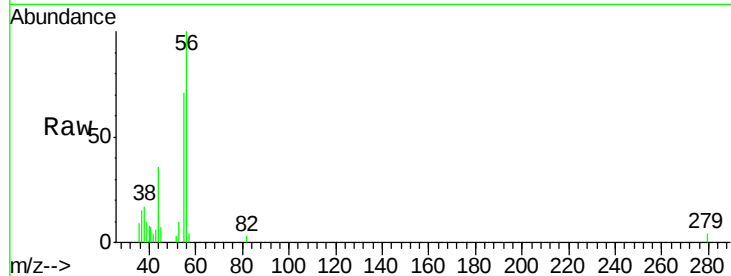
VD0620SBS02

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

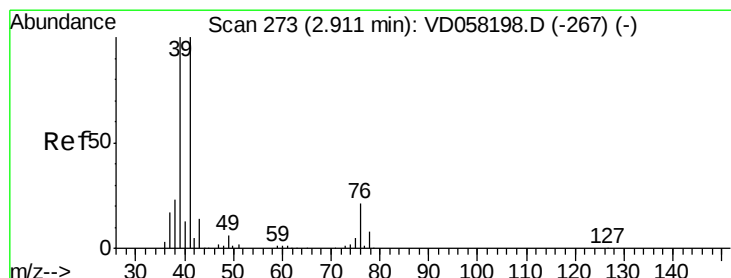
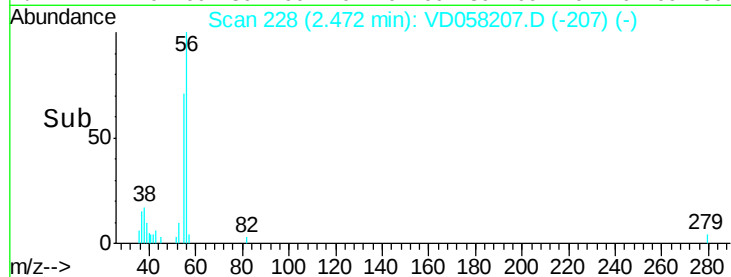
4000

2000

0

Time-->

2.40 2.45 2.50 2.55



#14

Allyl chloride

Concen: 21.524 ug/l

RT: 2.92 min Scan# 273

Delta R.T. 0.00 min

Lab File: VD058207.D

Acq: 20 Jun 2018 13:44

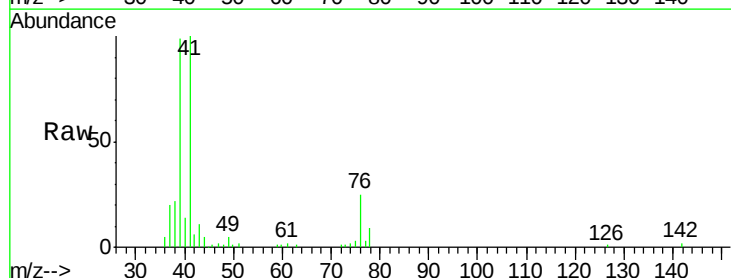
Tgt Ion: 41 Resp: 164943

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

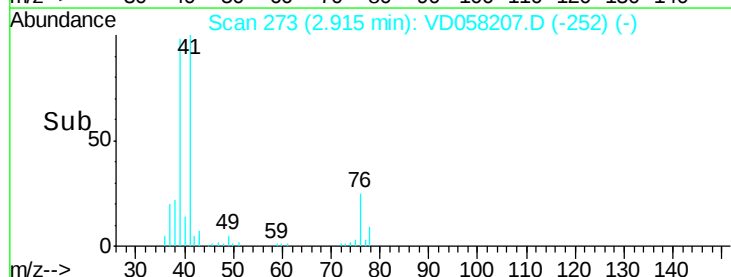
10000

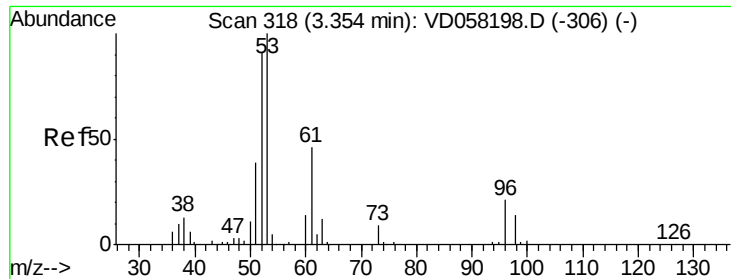
5000

0

Time-->

2.80 2.90 3.00 3.10





#15

Acrylonitrile

Concen: 103.814 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

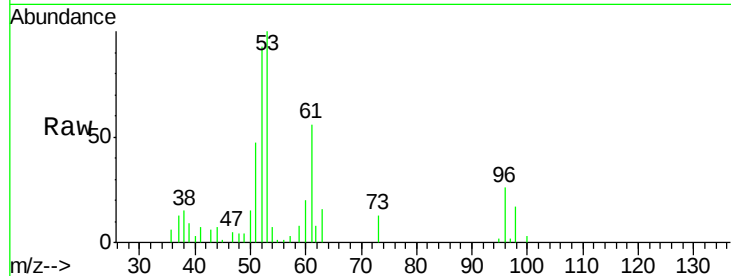
Tot Ion: 53 Resp: 87886

Ion Ratio Lower Upper

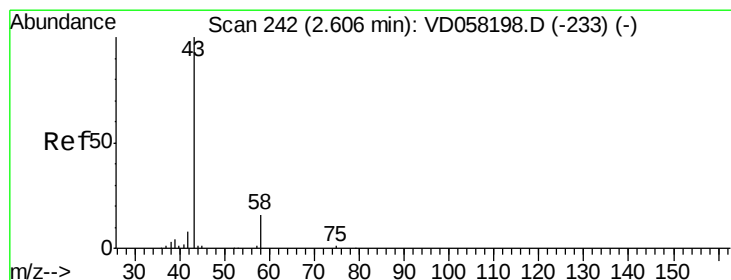
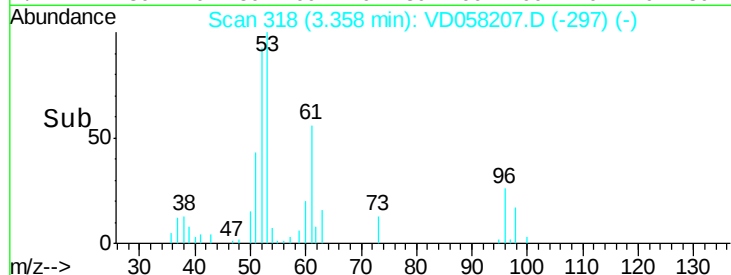
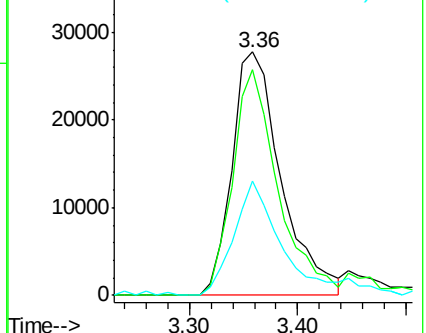
53 100

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: 107.057 ug/l

RT: 2.61 min Scan# 242

Delta R.T. 0.00 min

Lab File: VD058207.D

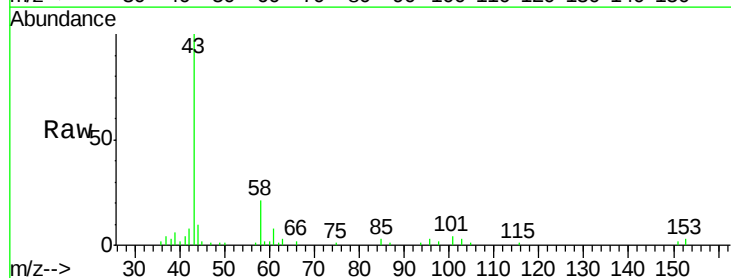
Acq: 20 Jun 2018 13:44

Tgt Ion: 43 Resp: 141729

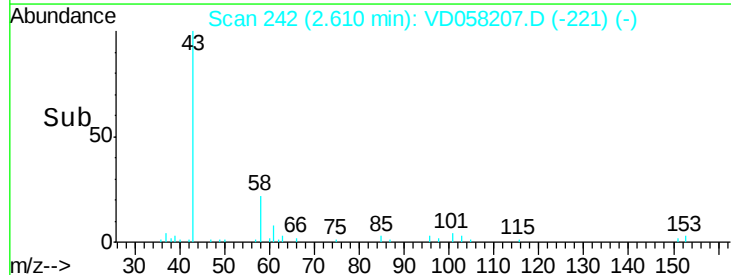
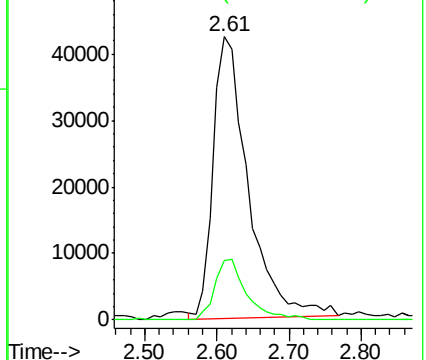
Ion Ratio Lower Upper

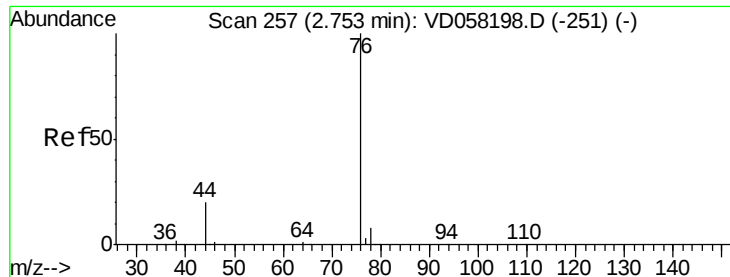
43 100

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

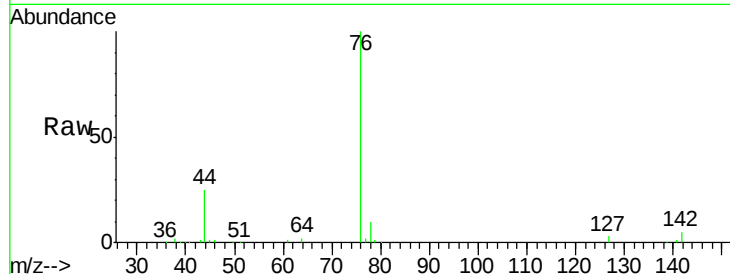




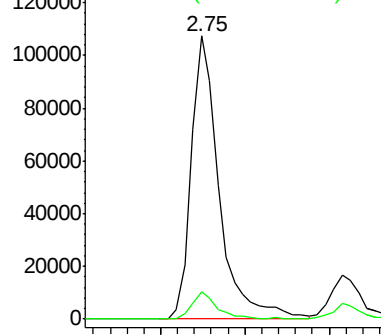
#17
Carbon Disulfide
Concen: 22.101 ug/l
RT: 2.75 min Scan# 256
Delta R.T. -0.01 min
Lab File: VD058207.D
Acq: 20 Jun 2018 13:44

Instrument :
MSVOA_D
ClientSampleId :
VD0620SBSD02

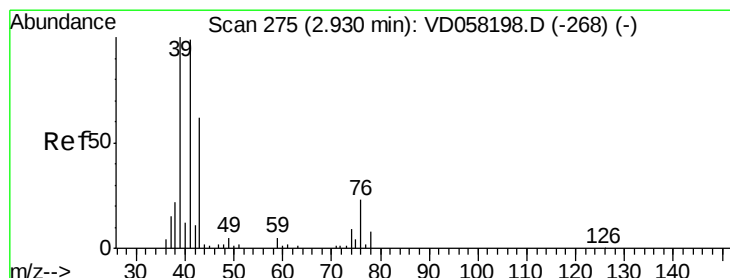
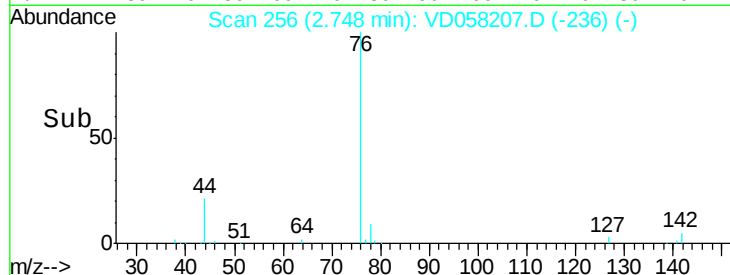
Tot Ion: 76 Resp: 247581
Ion Ratio Lower Upper
76 100
78 9.8 6.8 10.2



Abundance Ion 75.85 (75.55 to 76.55): VDC
Ion 77.85 (77.55 to 78.55): VDC

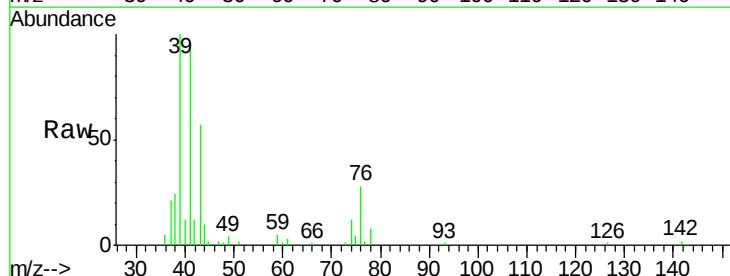


Time-->

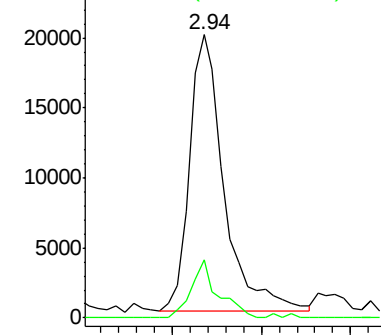


#18
Methyl Acetate
Concen: 19.015 ug/l
RT: 2.94 min Scan# 275
Delta R.T. 0.00 min
Lab File: VD058207.D
Acq: 20 Jun 2018 13:44

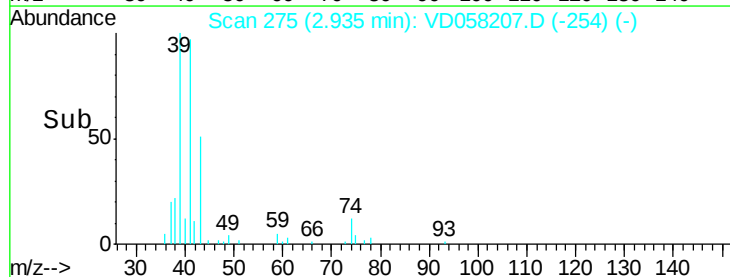
Tgt Ion: 43 Resp: 53687
Ion Ratio Lower Upper
43 100
74 20.4 11.7 17.5#

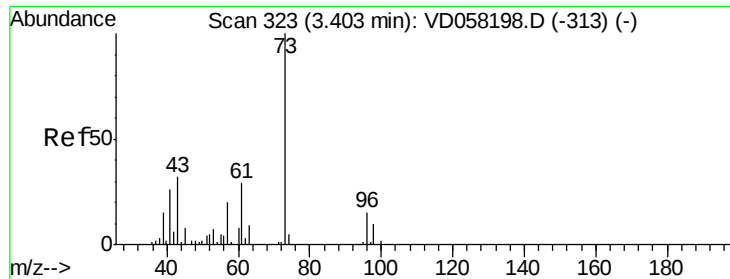


Abundance Ion 42.95 (42.65 to 43.65): VDC
Ion 74.00 (73.70 to 74.70): VDC



Time-->

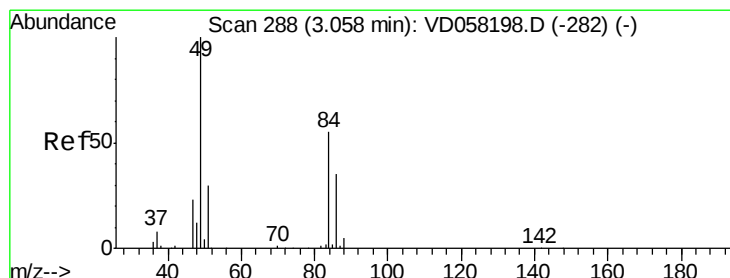
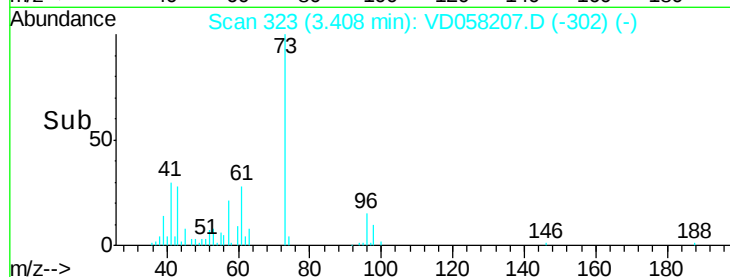
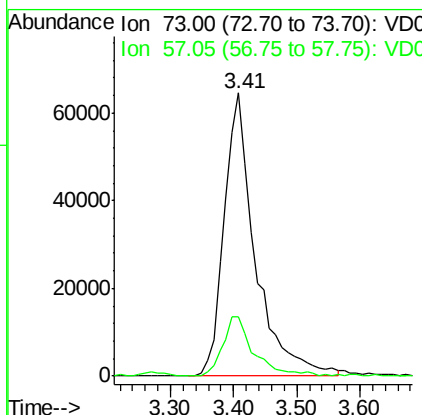
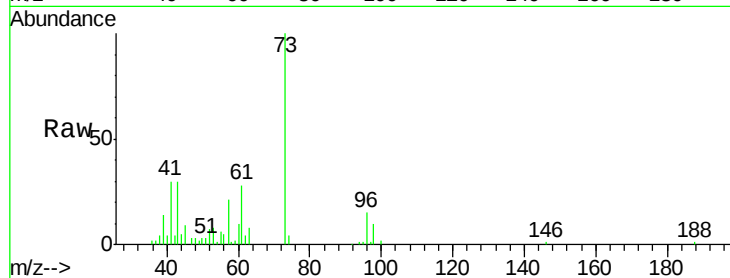




#19
Methvl tert-butvl Ether
Concen: 25.344 ug/l
RT: 3.41 min Scan# 323
Delta R.T. 0.00 min
Lab File: VD058207.D
Acq: 20 Jun 2018 13:44

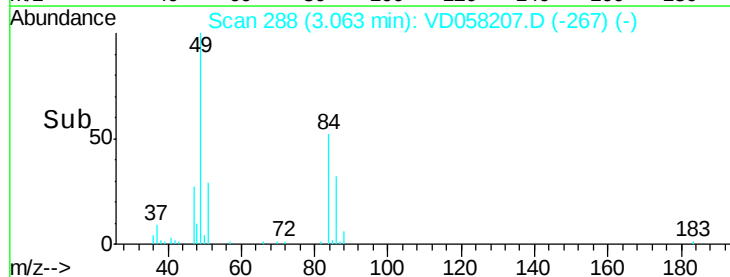
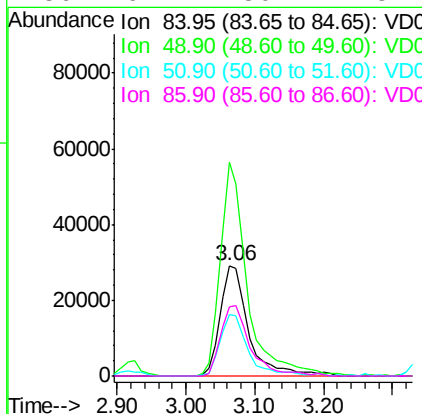
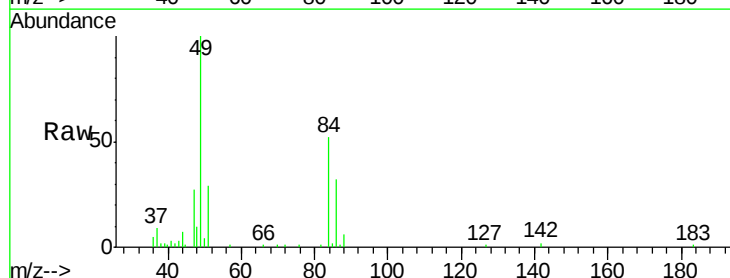
Instrument :
MSVOA_D
ClientSampleId :
VD0620SBSD02

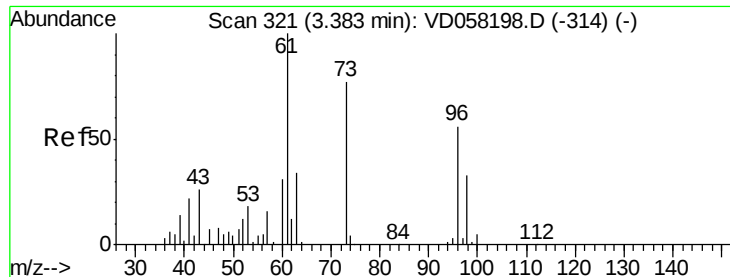
Tot Ion: 73 Resp: 221328
Ion Ratio Lower Upper
73 100
57 21.0 16.6 24.8



#20
Methylene Chloride
Concen: 21.365 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: 20.398 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 :

VD0620SBSD02

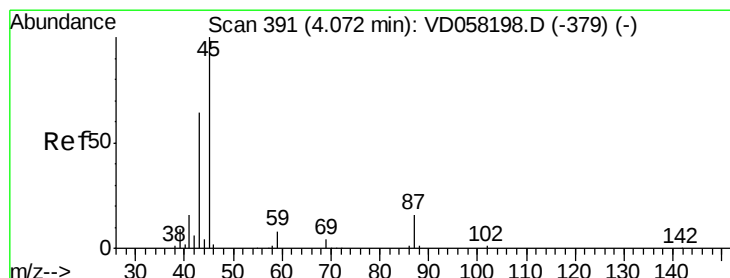
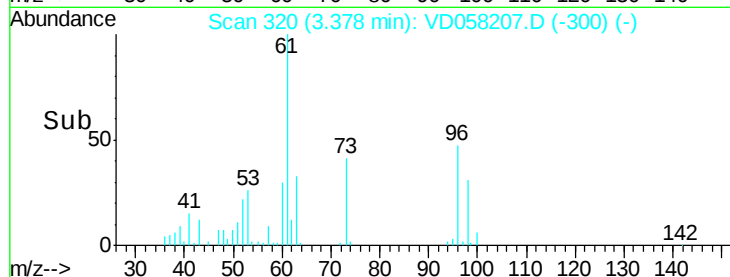
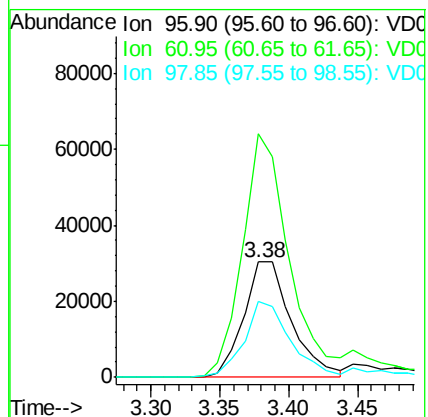
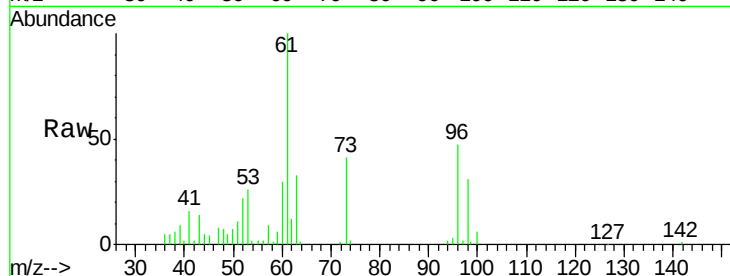
Tot Ion: 96 Resp: 73400

Ion Ratio Lower Upper

96 100

61 211.2 143.8 215.6

98 66.0 48.0 72.0



#22

Diisopropyl ether

Concen: 21.861 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

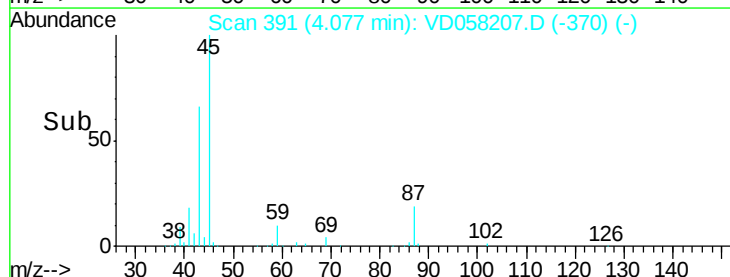
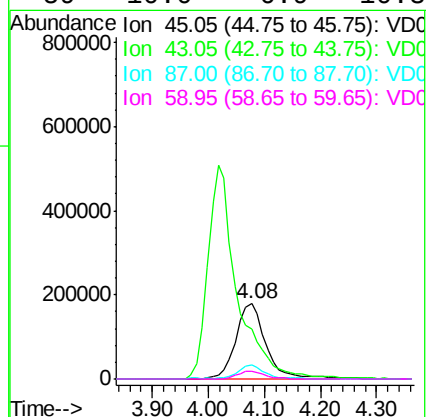
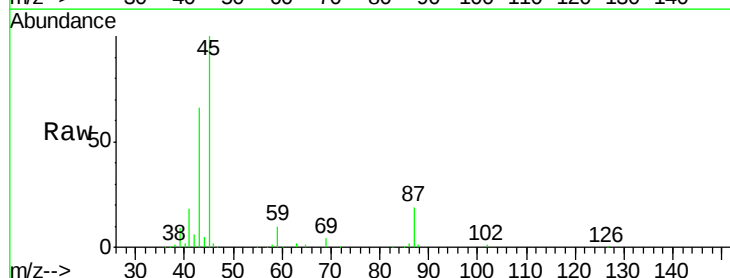
Ion Ratio Lower Upper

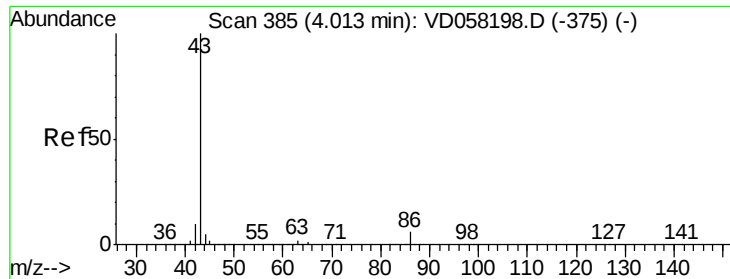
45 100

43 65.9 51.4 77.0

87 18.6 13.0 19.4

59 10.0 6.9 10.3





#23

Vinyl Acetate

Concen: 112.876 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 :

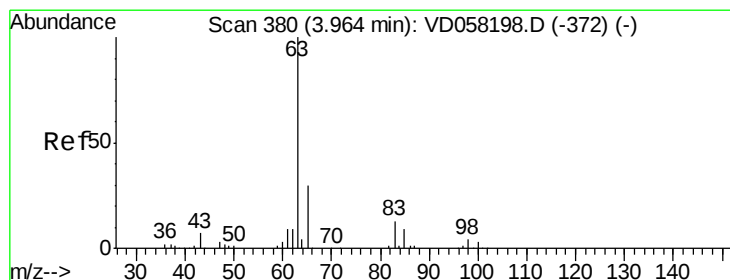
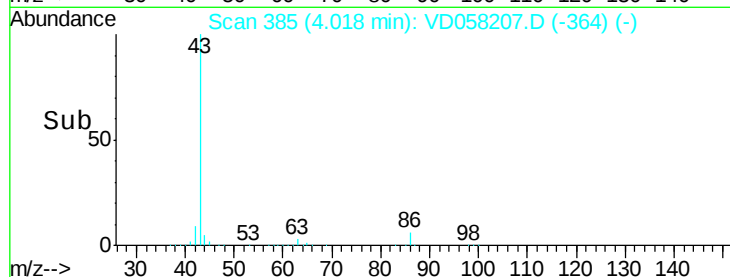
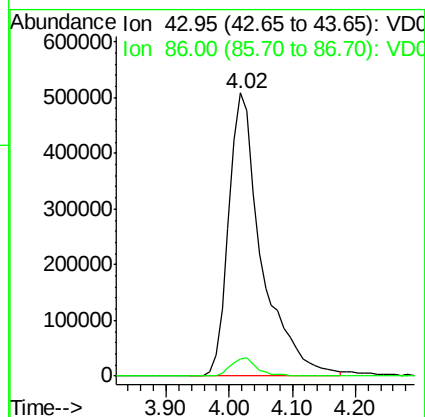
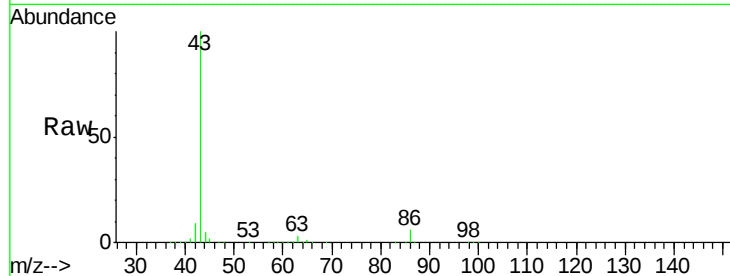
VD0620SBSD02

Tot Ion: 43 Resp: 1841646

Ion Ratio Lower Upper

43 100

86 6.3 5.0 7.4



#24

1,1-Dichloroethane

Concen: 22.430 ug/l

RT: 3.97 min Scan# 380

Delta R.T. 0.00 min

Lab File: VD058207.D

Acq: 20 Jun 2018 13:44

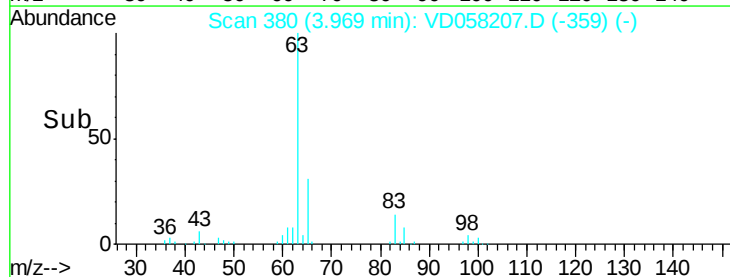
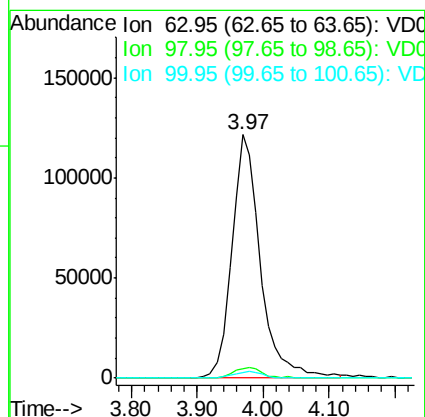
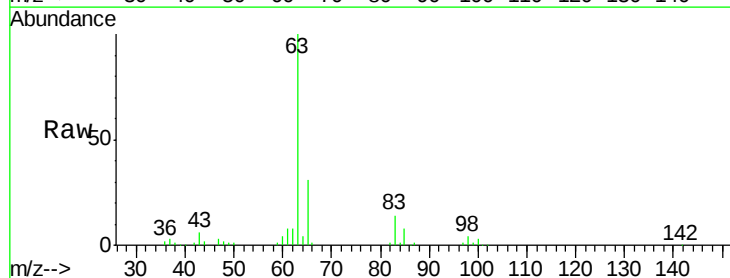
Tgt Ion: 63 Resp: 367800

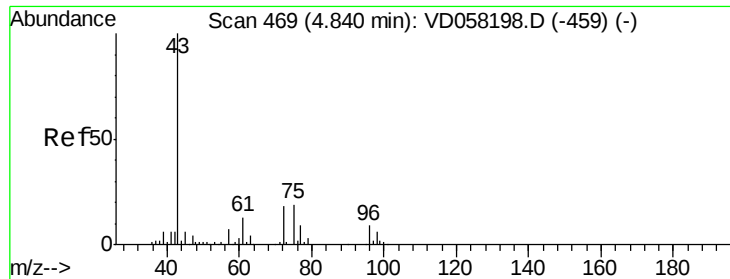
Ion Ratio Lower Upper

63 100

98 3.6 1.9 5.7

100 2.5 1.3 3.9





#25

2-Butanone

Concen: 109.723 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 :

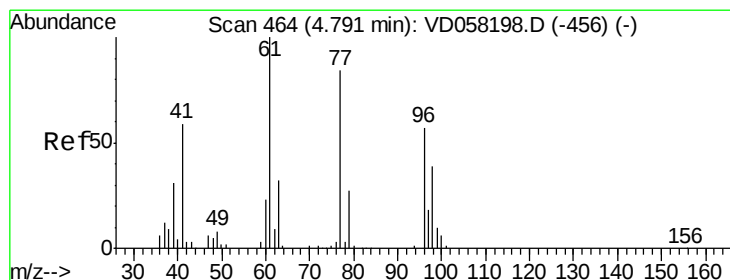
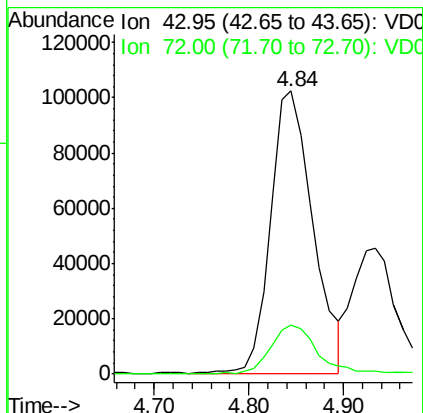
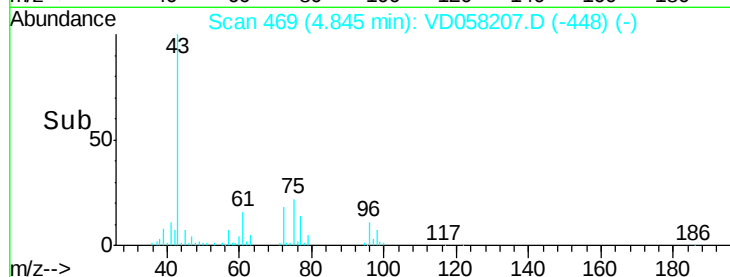
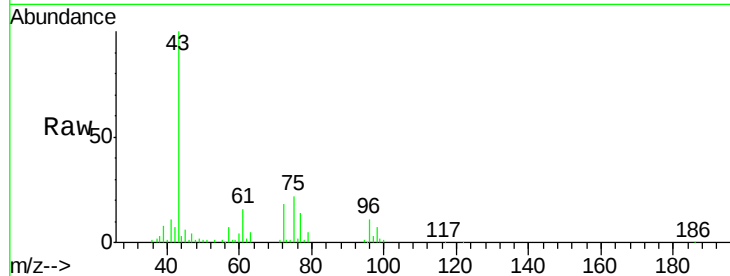
VD0620SBS02

Tot Ion: 43 Resp: 316593

Ion Ratio Lower Upper

43 100

72 17.5 14.1 21.1



#26

2,2-Dichloropropane

Concen: 22.703 ug/l

RT: 4.80 min Scan# 464

Delta R.T. 0.00 min

Lab File: VD058207.D

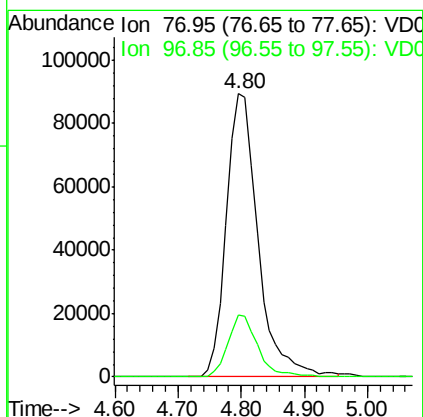
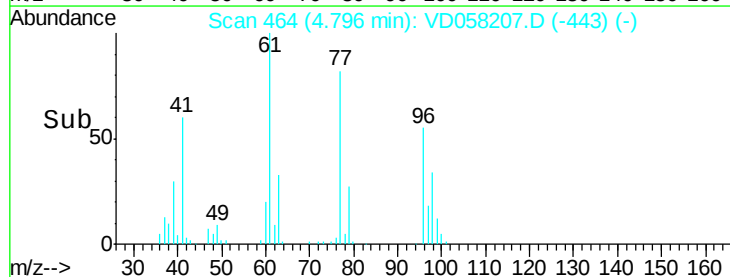
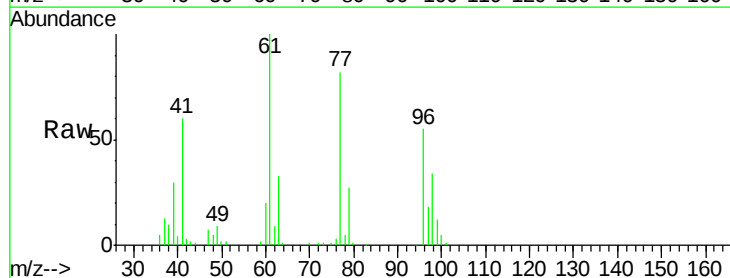
Acq: 20 Jun 2018 13:44

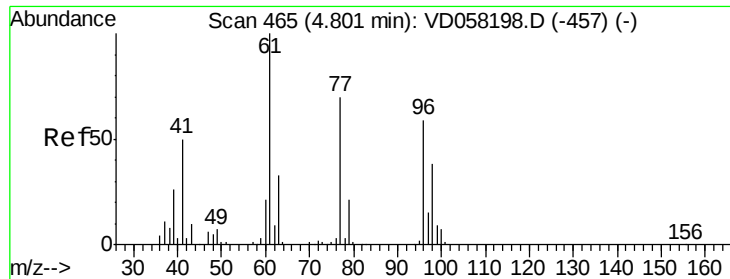
Tgt Ion: 77 Resp: 311714

Ion Ratio Lower Upper

77 100

97 21.7 10.5 31.6



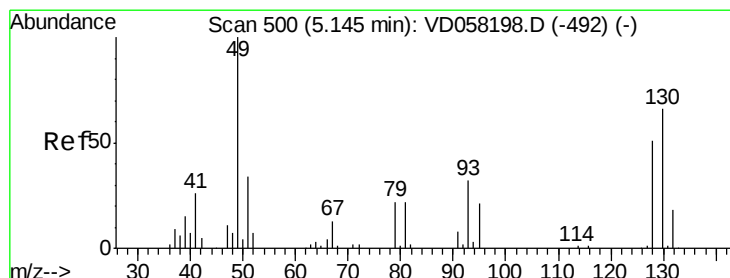
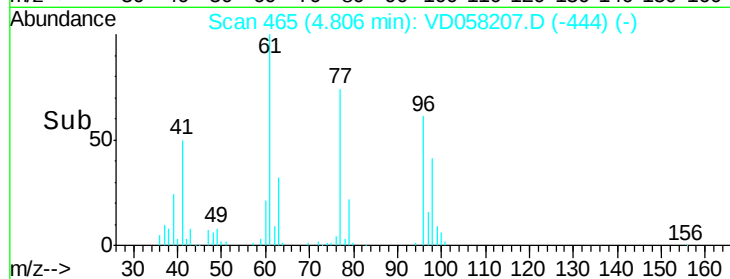
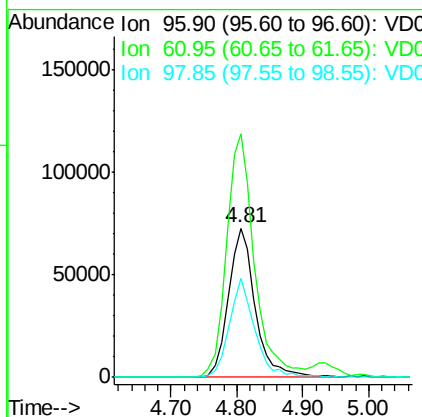
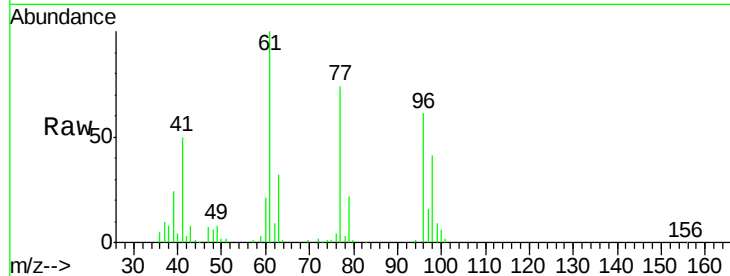


#27

cis-1,2-Dichloroethene
Concen: 23.049 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

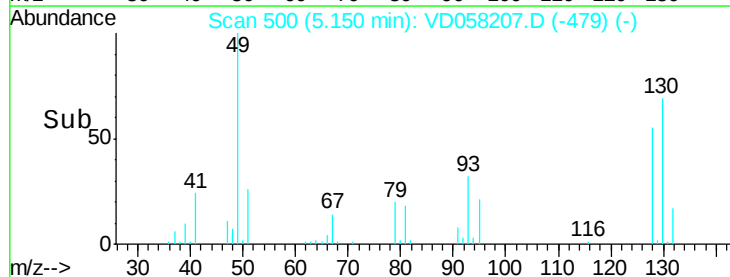
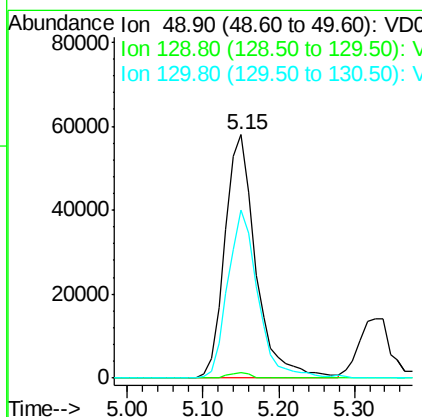
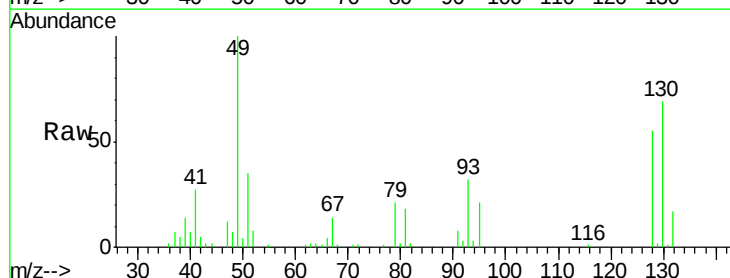
Tot Ion: 96 Resp: 207264
Ion Ratio Lower Upper
96 100
61 163.1 0.0 338.6
98 66.3 0.0 130.2



#28

Bromochloromethane
Concen: 22.302 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

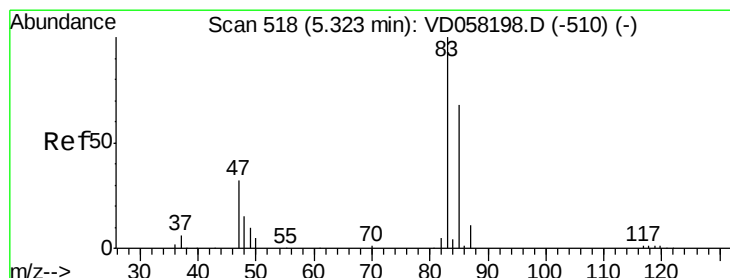
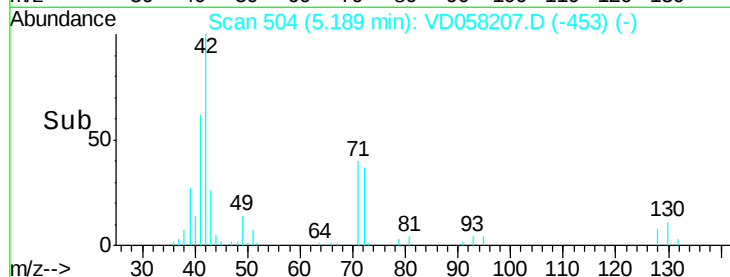
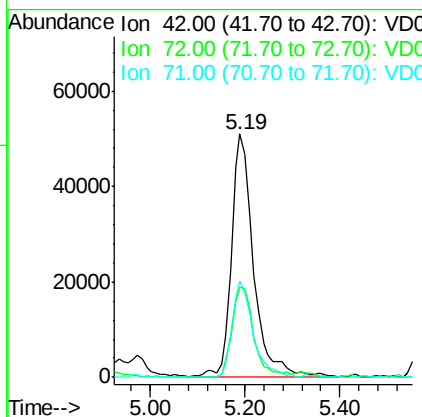
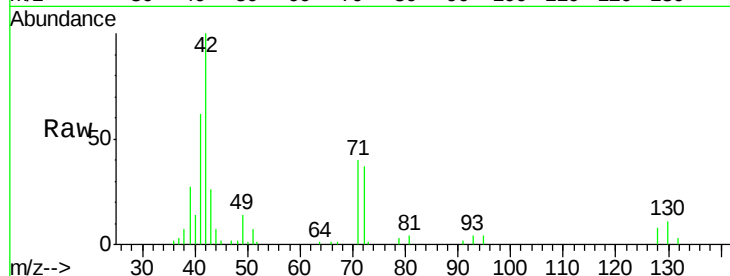




#29
Tetrahydrofuran
Concen: 107.997 ug/l
RT: 5.19 min Scan# 504
Delta R.T. 0.00 min
Lab File: VD058207.D
Acq: 20 Jun 2018 13:44

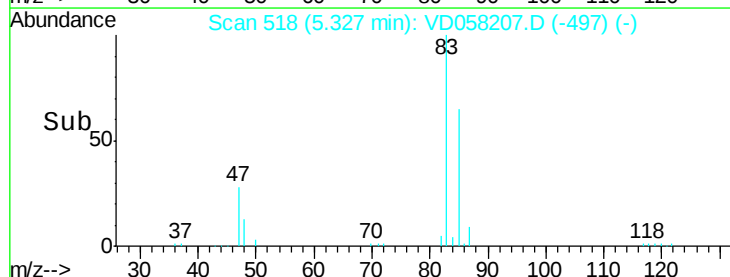
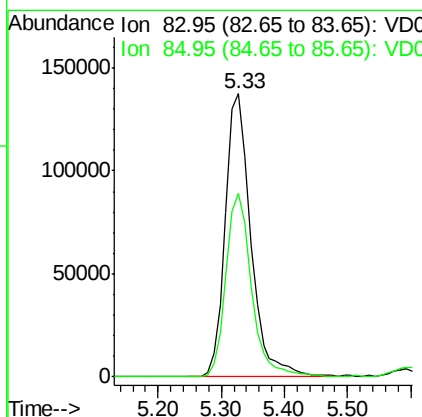
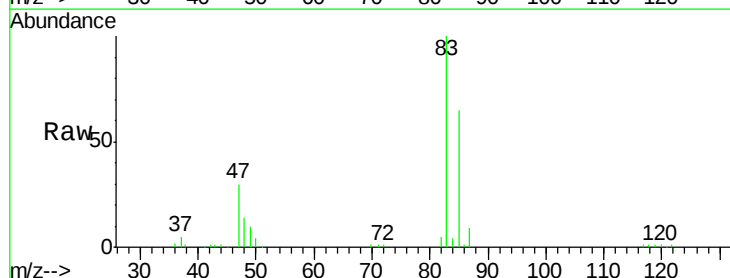
Instrument :
MSVOA_D
ClientSampleId :
VD0620SBSD02

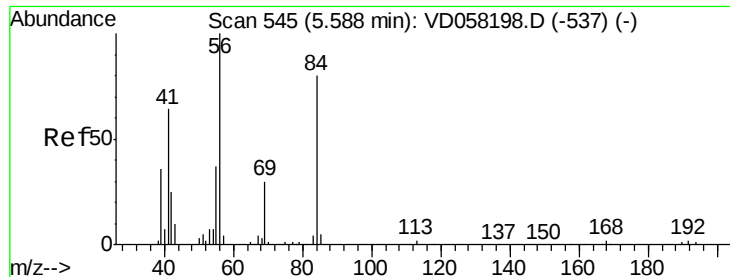
Tot Ion: 42 Resp: 165865
Ion Ratio Lower Upper
42 100
72 36.4 30.2 45.2
71 37.3 30.1 45.1



#30
Chloroform
Concen: 22.414 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: 21.479 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

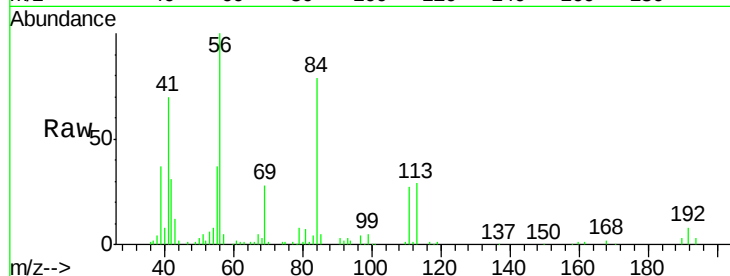
Tot Ion: 56 Resp: 291210

Ion Ratio Lower Upper

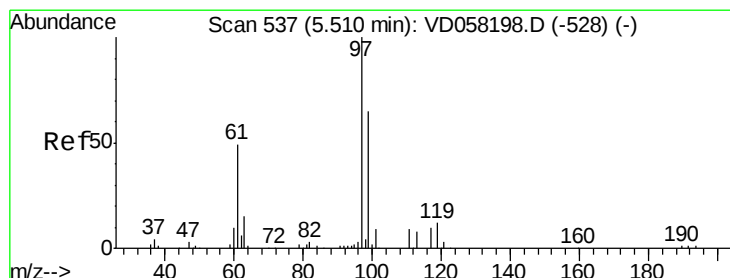
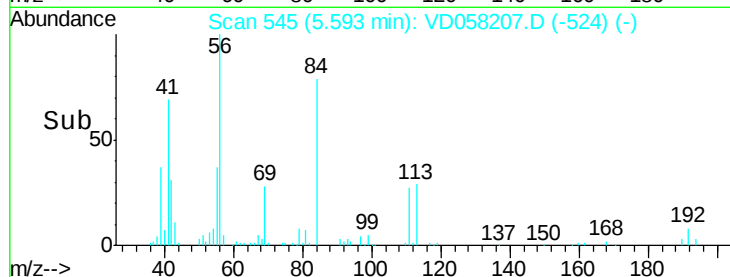
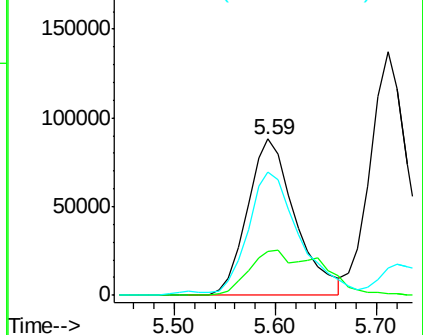
56 100

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: 21.940 ug/l

RT: 5.51 min Scan# 537

Delta R.T. 0.00 min

Lab File: VD058207.D

Acq: 20 Jun 2018 13:44

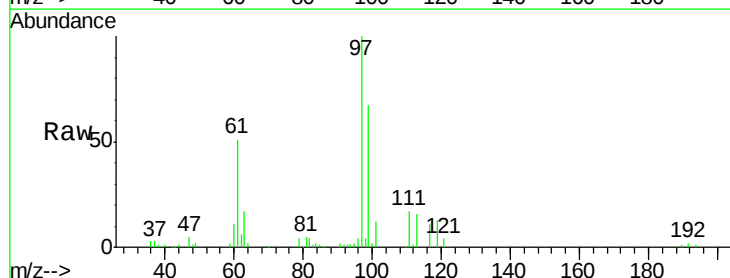
Tgt Ion: 97 Resp: 313799

Ion Ratio Lower Upper

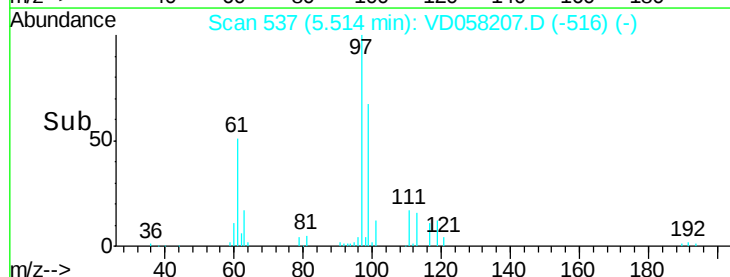
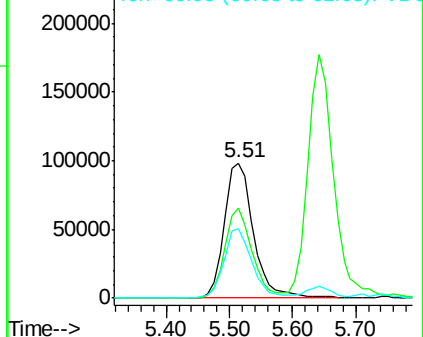
97 100

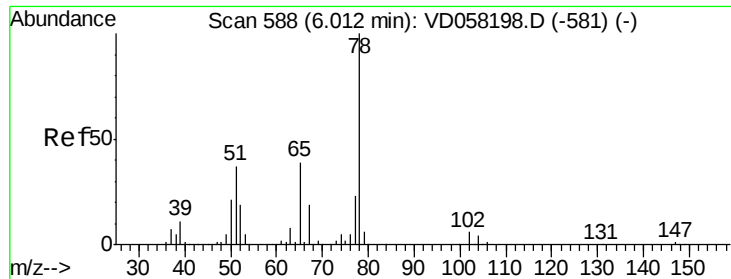
99 66.7 52.2 78.4

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: 21.940 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 :

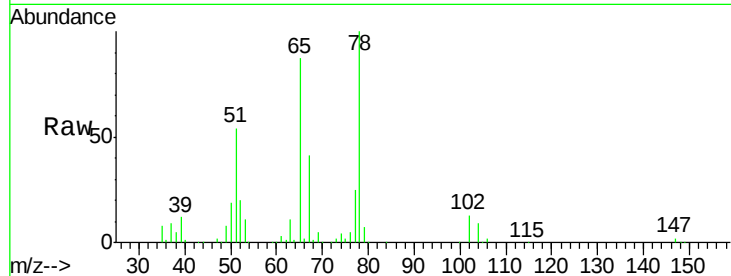
VD0620SBSD02

Tot Ion: 65 Resp: 523457

Ion Ratio Lower Upper

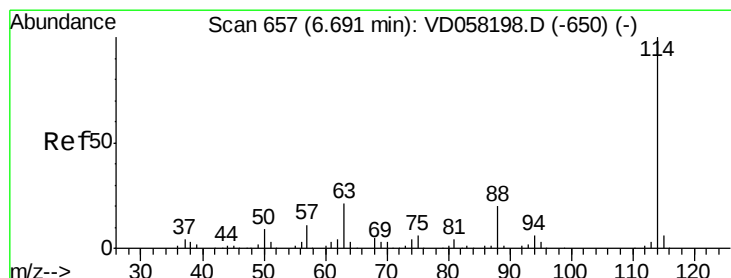
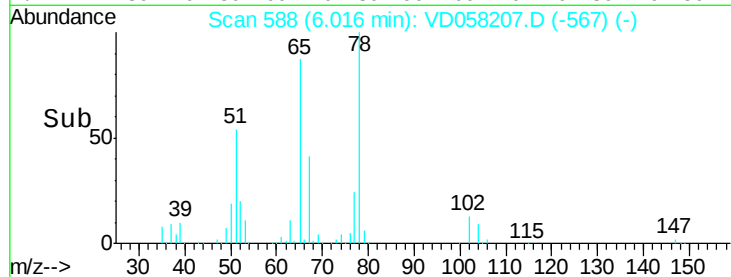
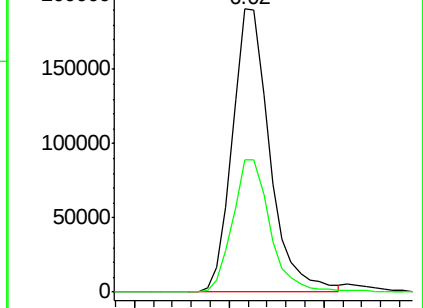
65 100

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: 50.000 ug/l

RT: 6.70 min Scan# 657

Delta R.T. 0.00 min

Lab File: VD058207.D

Acq: 20 Jun 2018 13:44

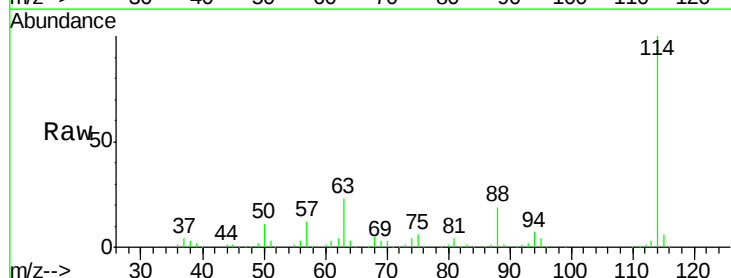
Tgt Ion: 114 Resp: 1235942

Ion Ratio Lower Upper

114 100

63 22.7 0.0 42.6

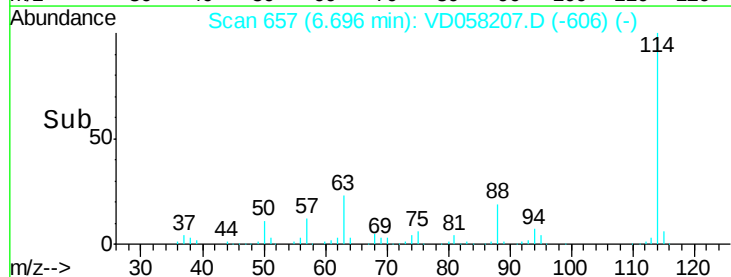
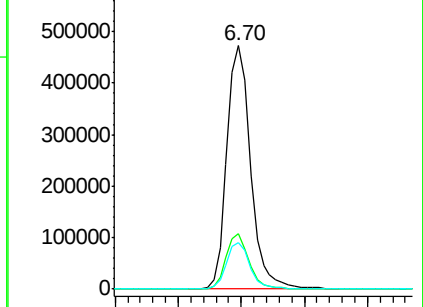
88 19.2 0.0 40.6

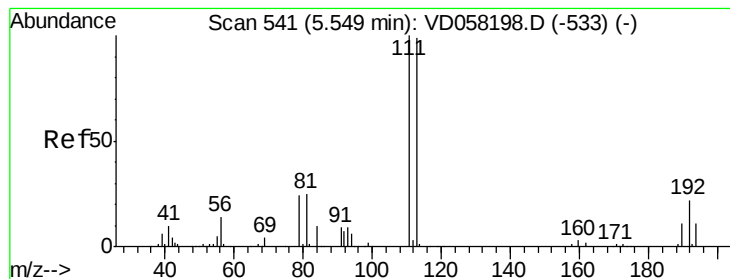


Abundance Ion 114.00 (113.70 to 114.70): V

Ion 62.95 (62.65 to 63.65): VDC

Ion 87.90 (87.60 to 88.60): VDC





#35

Dibromofluoromethane

Concen: 50.000 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

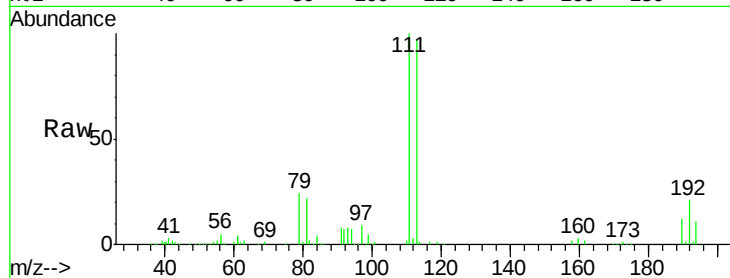
Tot Ion:113 Resp: 542789

Ion Ratio Lower Upper

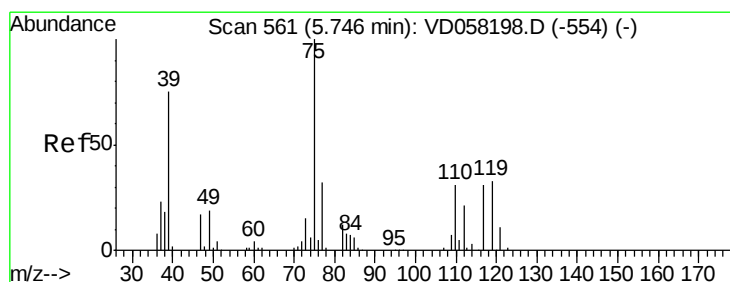
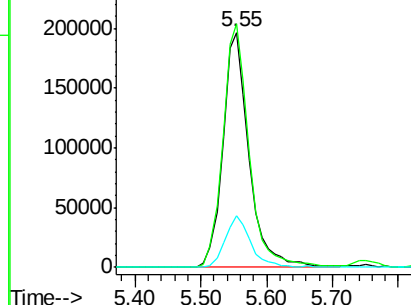
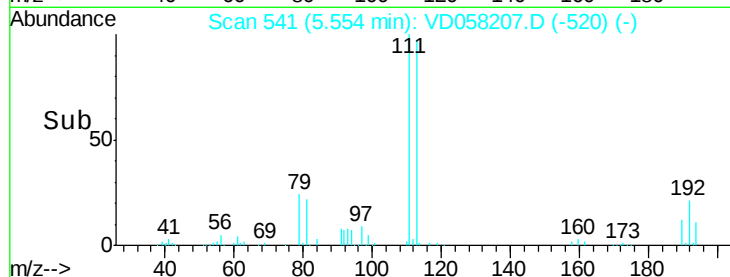
113 100

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: 21.680 ug/l

RT: 5.75 min Scan# 561

Delta R.T. 0.00 min

Lab File: VD058207.D

Acq: 20 Jun 2018 13:44

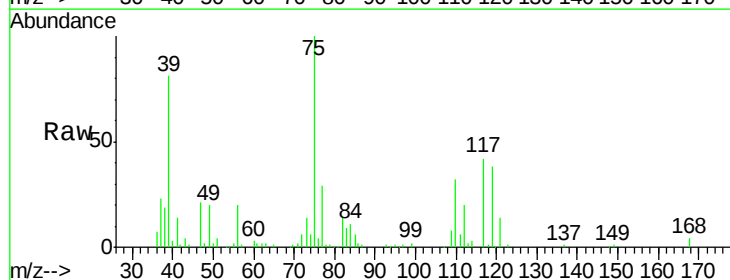
Tgt Ion: 75 Resp: 265069

Ion Ratio Lower Upper

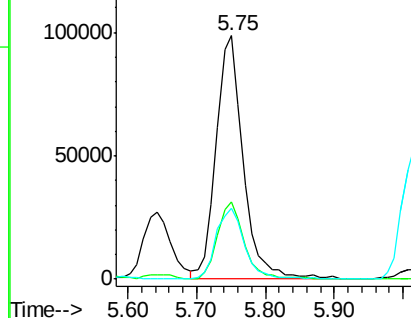
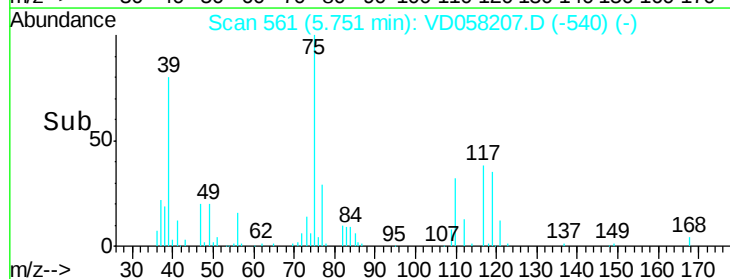
75 100

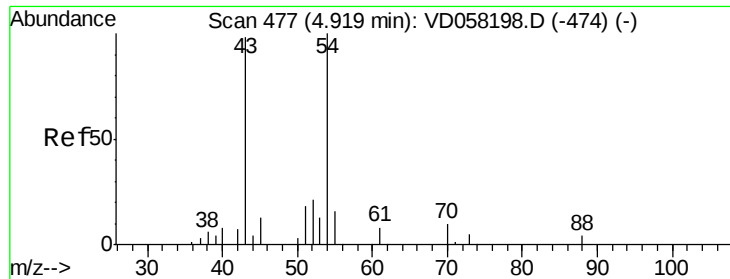
110 31.5 15.4 46.4

77 29.2 25.4 38.2



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

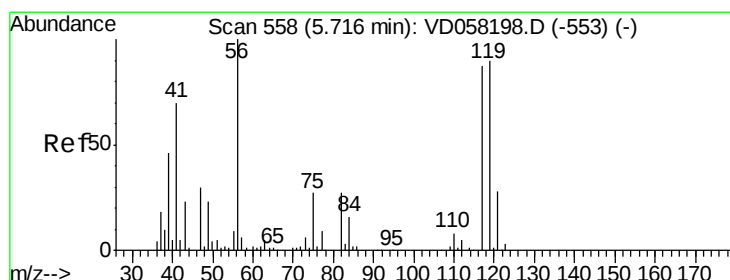
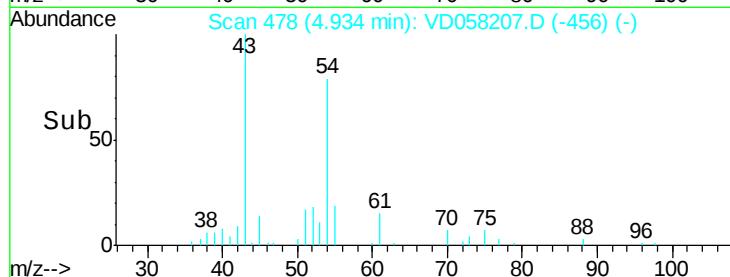
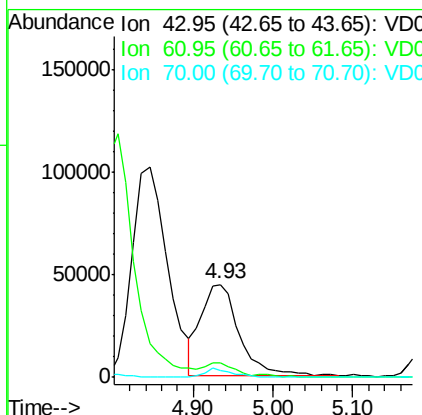
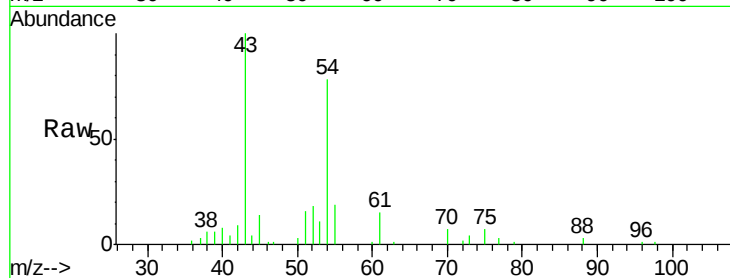




#37
Ethyl Acetate
Concen: 21.345 ug/l
RT: 4.93 min Scan# 478
Delta R.T. 0.01 min
Lab File: VD058207.D
Acq: 20 Jun 2018 13:44

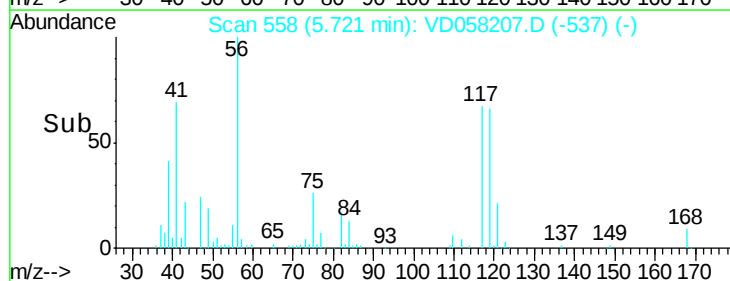
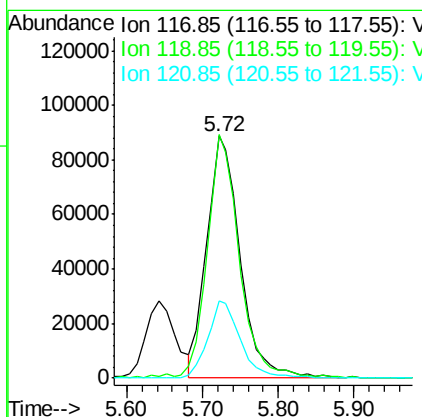
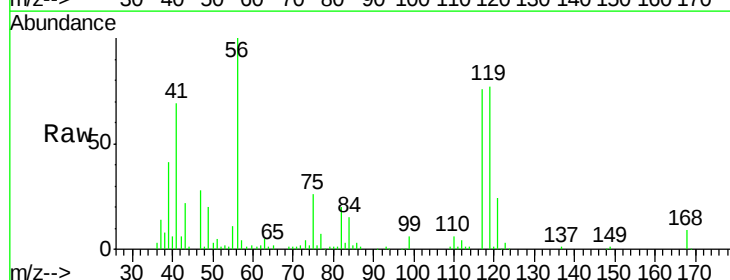
Instrument :
MSVOA_D
ClientSampleId :
VD0620SBSD02

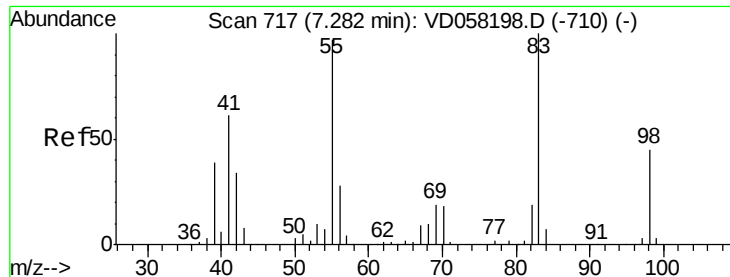
Tot Ion: 43 Resp: 148697
Ion Ratio Lower Upper
43 100
61 15.3 10.3 15.5
70 7.2 5.7 8.5



#38
Carbon Tetrachloride
Concen: 22.225 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

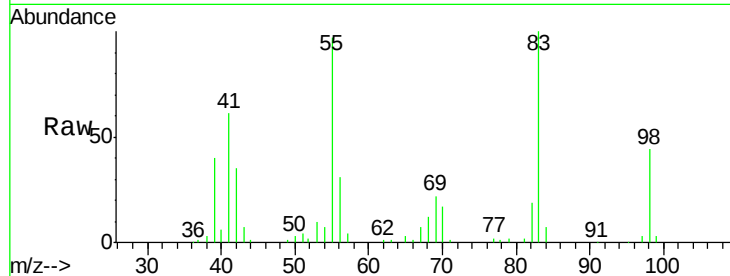




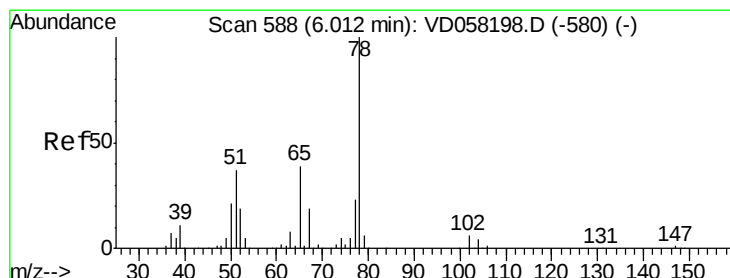
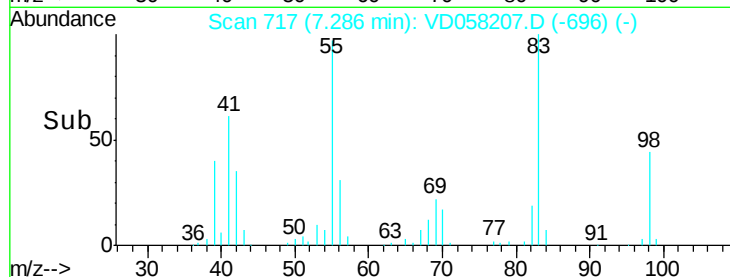
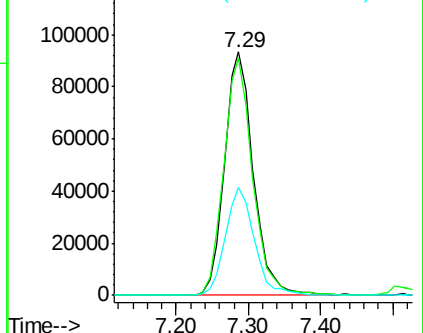
#39
Methvlcvclohexane
Concen: 21.654 ug/l
RT: 7.29 min Scan# 717
Delta R.T. 0.00 min
Lab File: VD058207.D
Acq: 20 Jun 2018 13:44

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

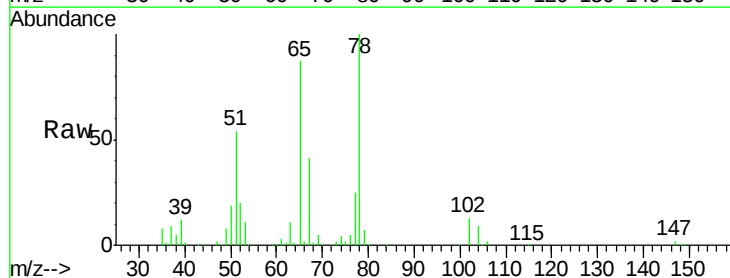


Abundance Ion 83.05 (82.75 to 83.75): VDC
Ion 55.00 (54.70 to 55.70): VDC
Ion 98.05 (97.75 to 98.75): VDC

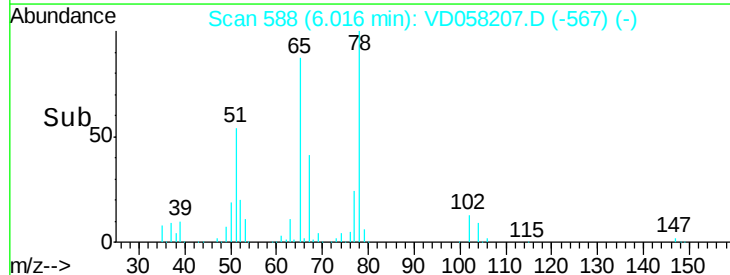
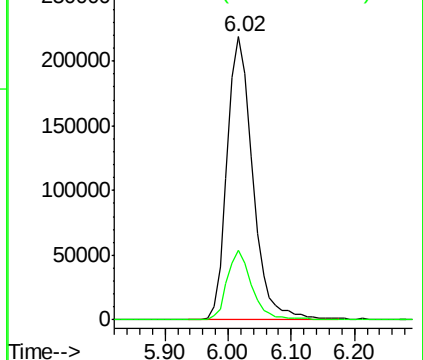


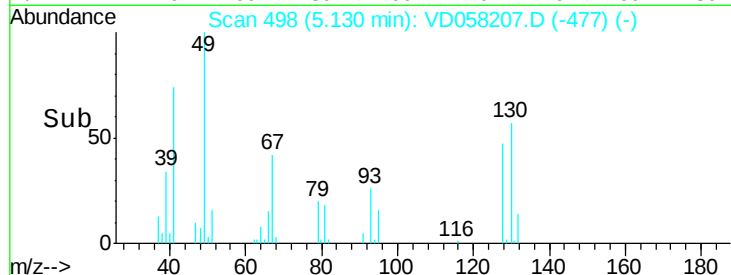
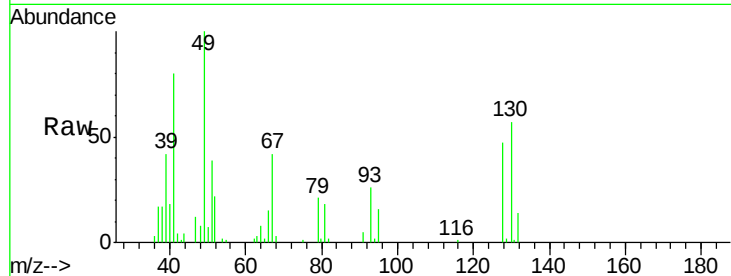
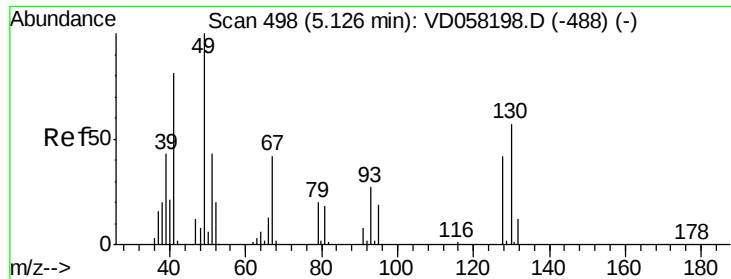
#40
Benzene
Concen: 21.283 ug/l
RT: 6.02 min Scan# 588
Delta R.T. 0.00 min
Lab File: VD058207.D
Acq: 20 Jun 2018 13:44

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: 23.034 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 :

VD0620SBS02

Tot Ion: 41 Resp: 77483

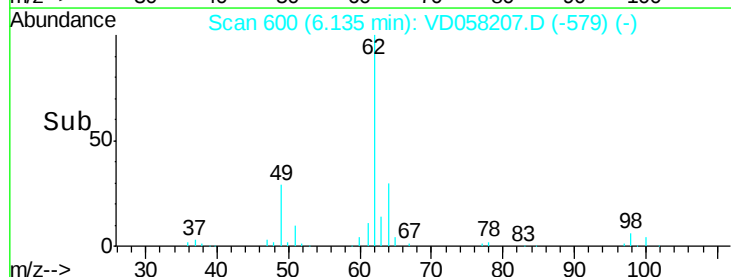
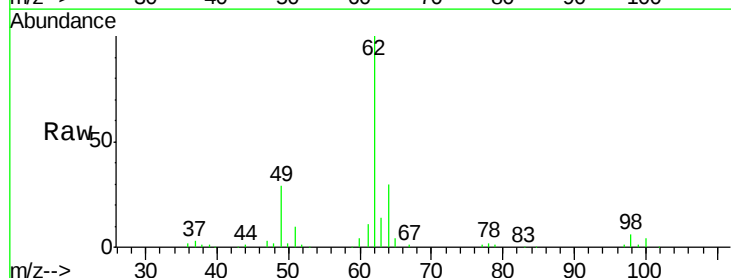
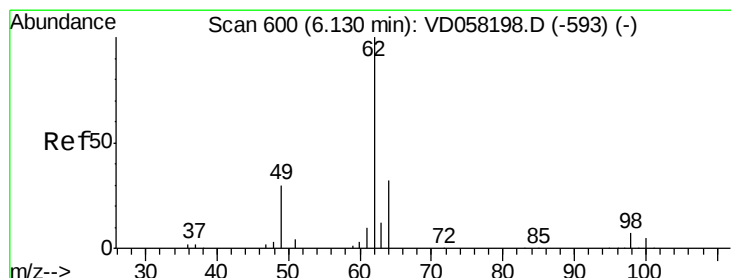
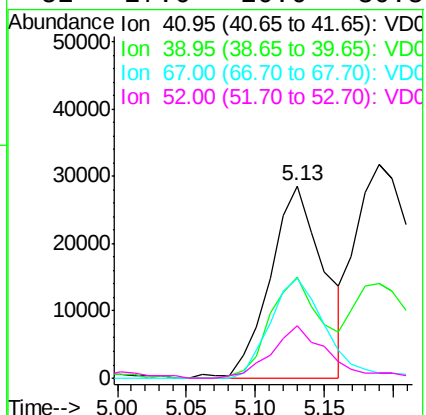
Ion Ratio Lower Upper

41 100

39 52.3 43.4 65.2

67 51.6 41.7 62.5

52 27.6 20.6 30.8



#42

1,2-Dichloroethane

Concen: 22.411 ug/l

RT: 6.13 min Scan# 600

Delta R.T. 0.00 min

Lab File: VD058207.D

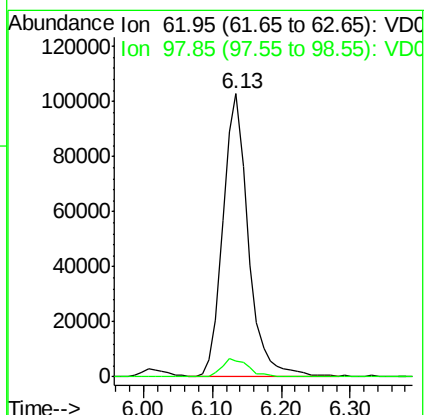
Acq: 20 Jun 2018 13:44

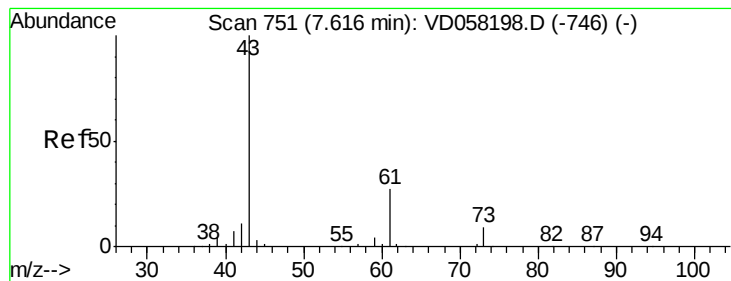
Tgt Ion: 62 Resp: 263188

Ion Ratio Lower Upper

62 100

98 5.5 0.0 13.2





#43

Isopropyl Acetate

Concen: 21.208 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

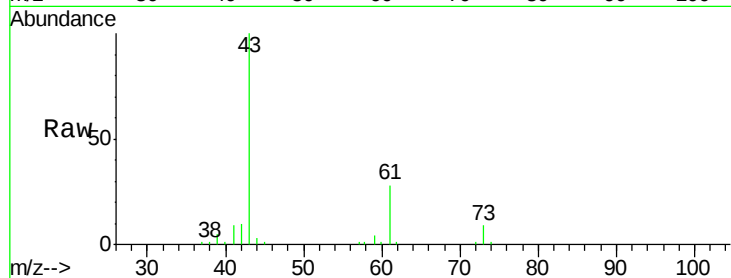
Tot Ion: 43 Resp: 196970

Ion Ratio Lower Upper

43 100

61 27.7 21.8 32.6

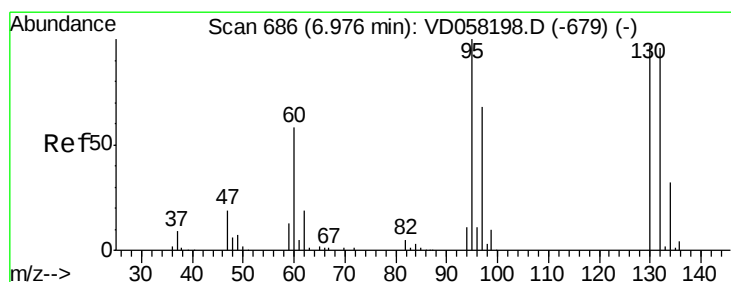
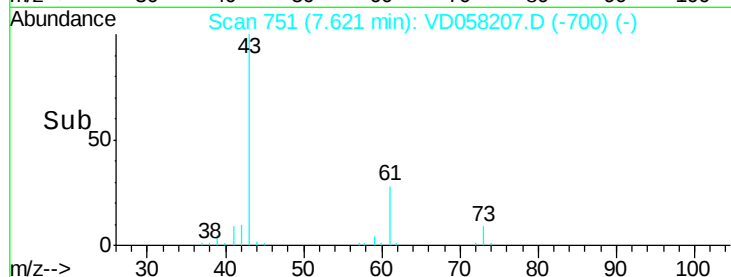
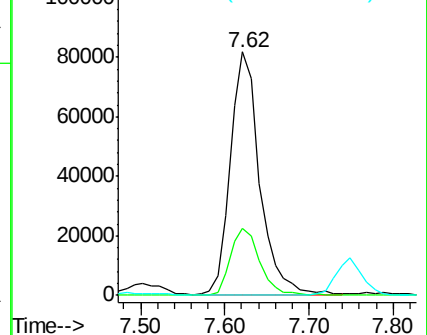
87 0.0 0.3 0.5#



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: 21.003 ug/l

RT: 6.98 min Scan# 686

Delta R.T. 0.00 min

Lab File: VD058207.D

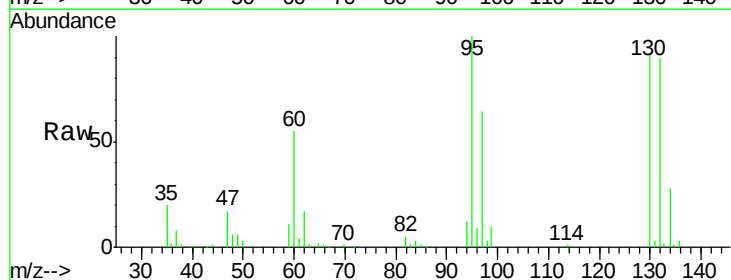
Acq: 20 Jun 2018 13:44

Tgt Ion:130 Resp: 183687

Ion Ratio Lower Upper

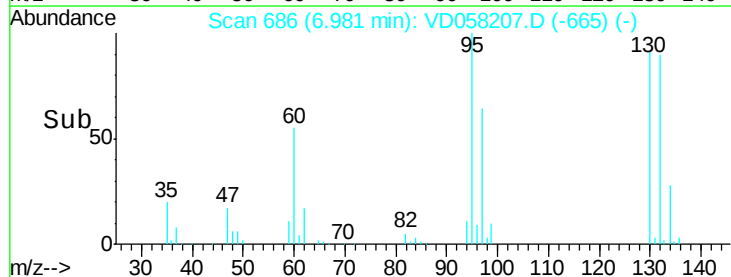
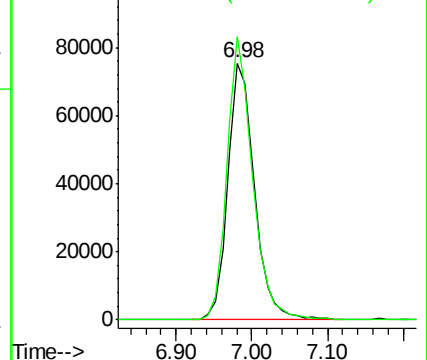
130 100

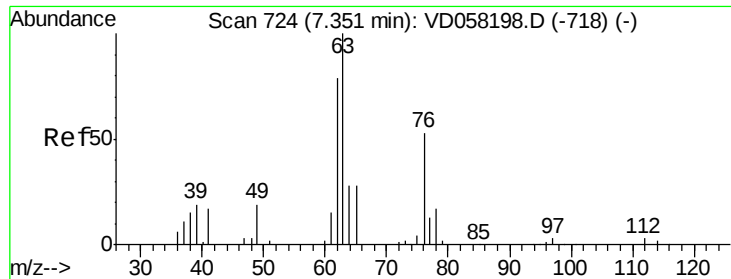
95 110.3 0.0 205.6



Abundance Ion 129.80 (129.50 to 130.50): V

Ion 94.90 (94.60 to 95.60): VDC





#45

1,2-Dichloropropane

Concen: 22.824 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 :

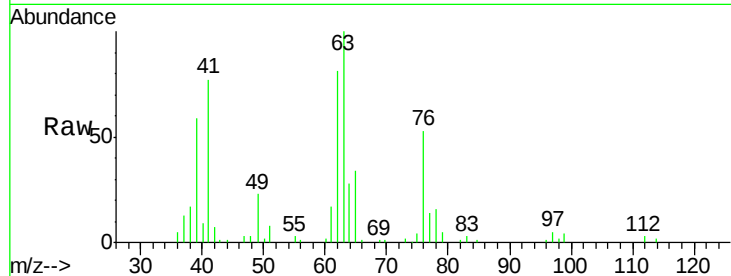
VD0620SBS02

Tot Ion: 63 Resp: 179025

Ion Ratio Lower Upper

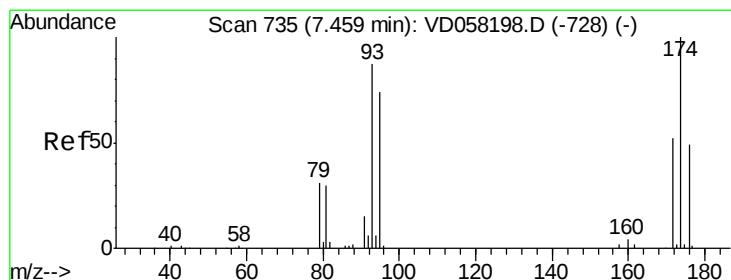
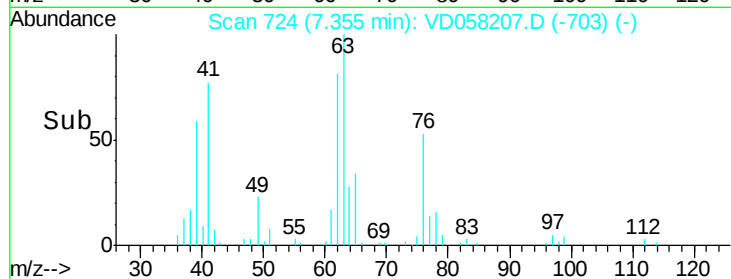
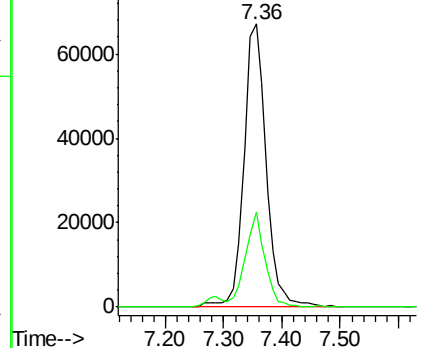
63 100

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: 21.592 ug/l

RT: 7.46 min Scan# 735

Delta R.T. 0.00 min

Lab File: VD058207.D

Acq: 20 Jun 2018 13:44

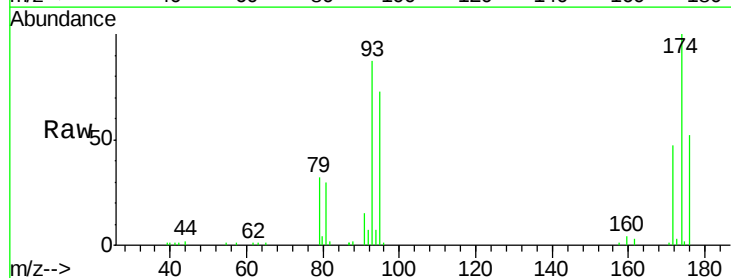
Tgt Ion: 93 Resp: 115617

Ion Ratio Lower Upper

93 100

95 84.2 67.8 101.6

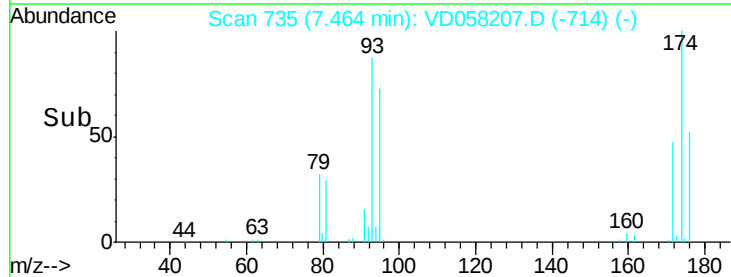
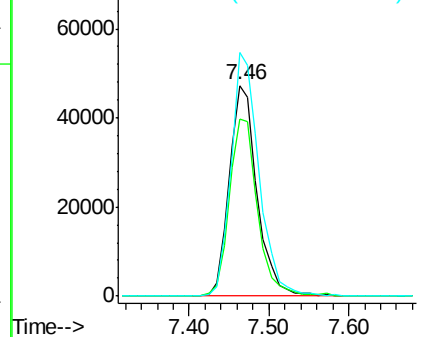
174 115.4 92.2 138.2

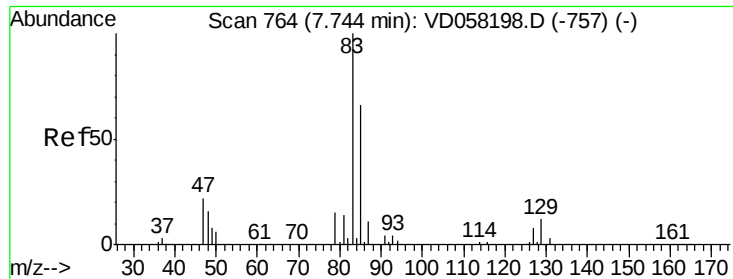


Abundance Ion 92.90 (92.60 to 93.60): VDC

Ion 94.90 (94.60 to 95.60): VDC

Ion 173.80 (173.50 to 174.50): VDC





#47

Bromodichloromethane

Concen: 22.519 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

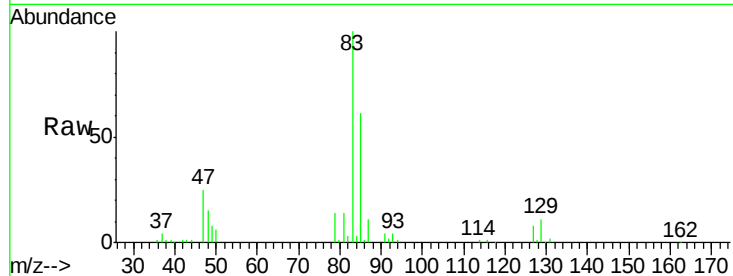
Tot Ion: 83 Resp: 274972

Ion Ratio Lower Upper

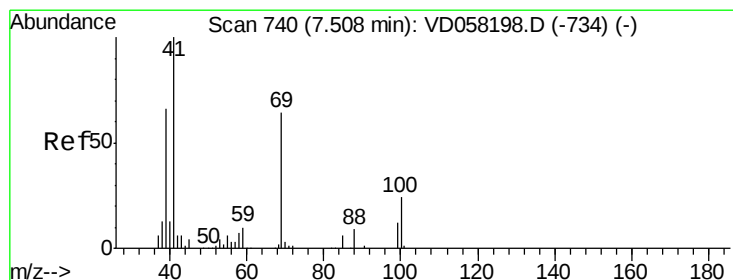
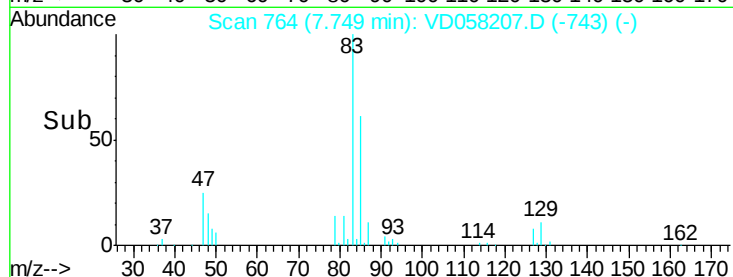
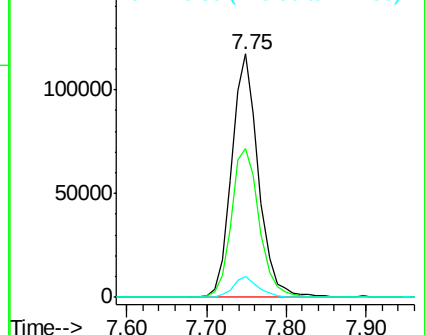
83 100

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: 21.758 ug/l

RT: 7.51 min Scan# 740

Delta R.T. 0.00 min

Lab File: VD058207.D

Acq: 20 Jun 2018 13:44

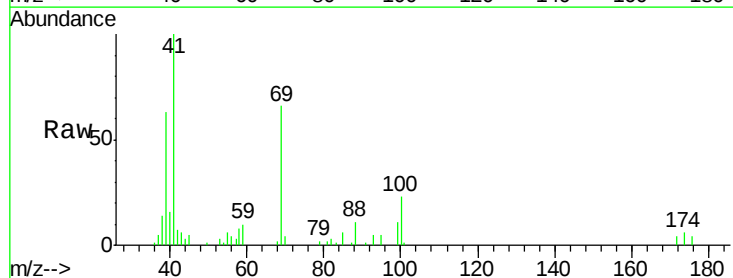
Tgt Ion: 41 Resp: 122820

Ion Ratio Lower Upper

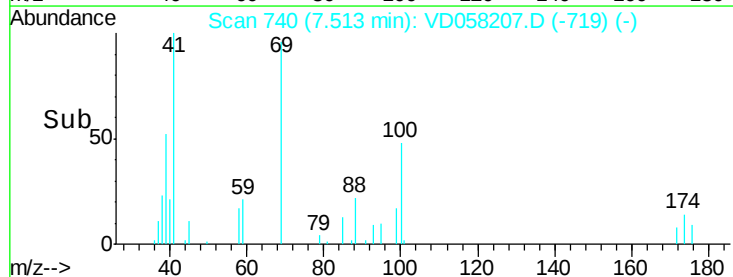
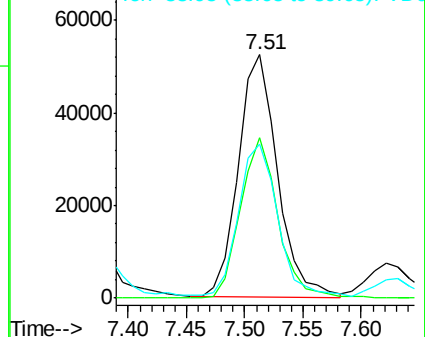
41 100

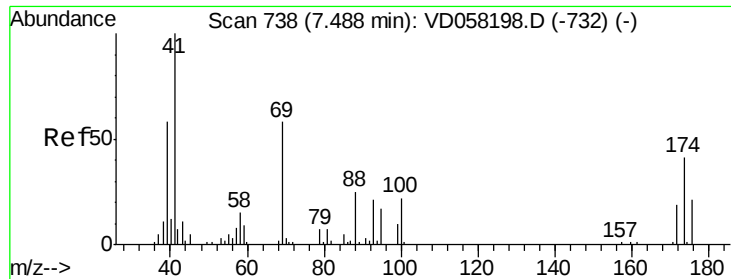
69 65.7 50.7 76.1

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: 466.819 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

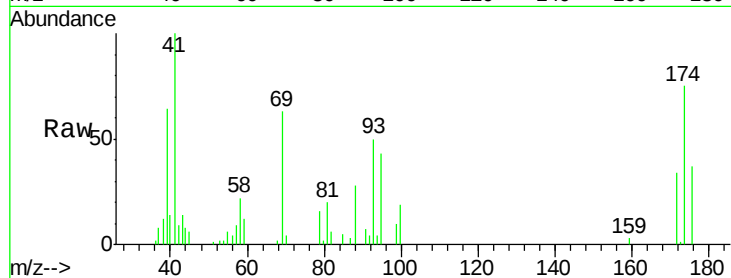
Tot Ion: 88 Resp: 23786

Ion Ratio Lower Upper

88 100

43 48.3 34.2 51.2

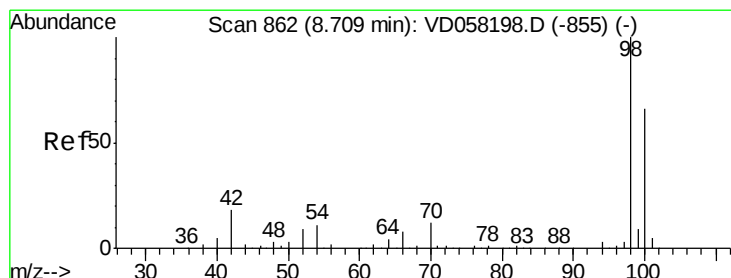
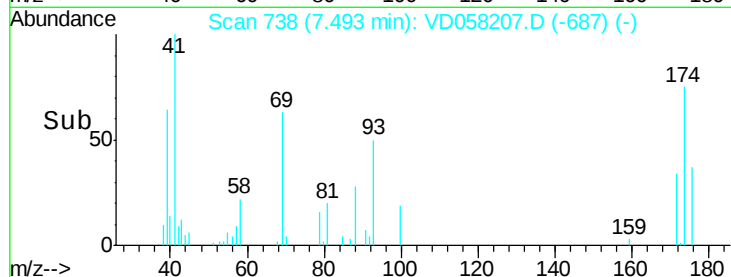
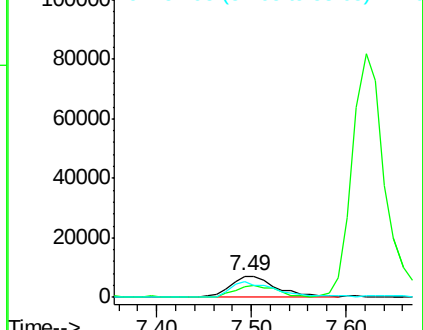
58 75.7 47.9 71.9#



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: 466.819 ug/l

RT: 8.71 min Scan# 862

Delta R.T. 0.00 min

Lab File: VD058207.D

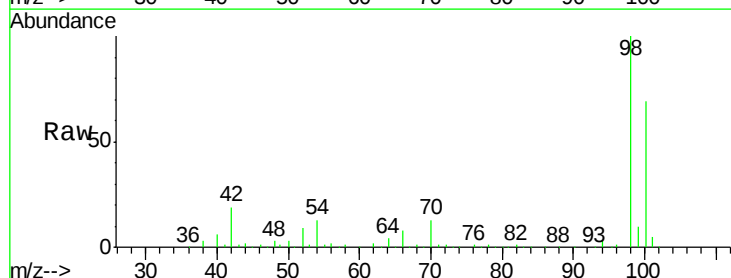
Acq: 20 Jun 2018 13:44

Tgt Ion: 98 Resp: 1247604

Ion Ratio Lower Upper

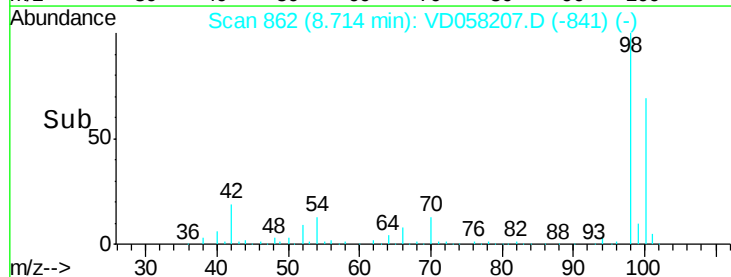
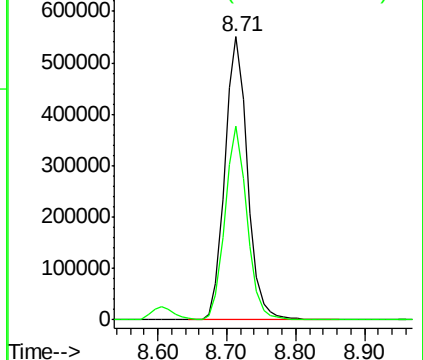
98 100

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: 107.395 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 :

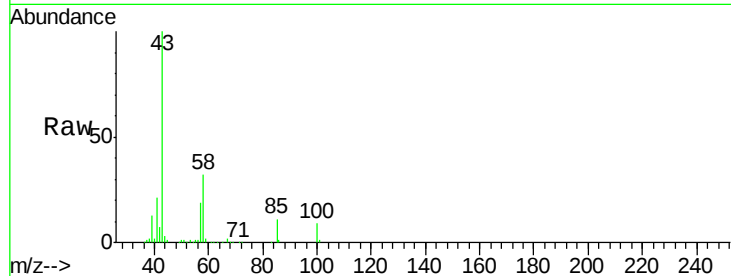
VD0620SBS02

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

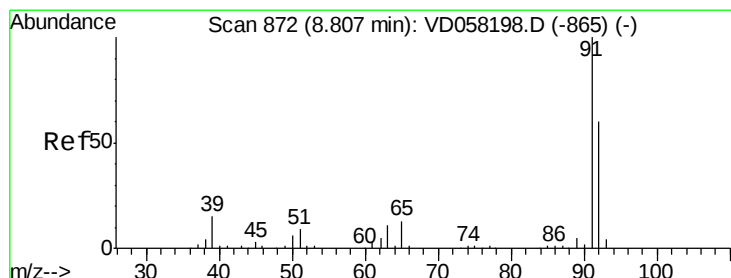
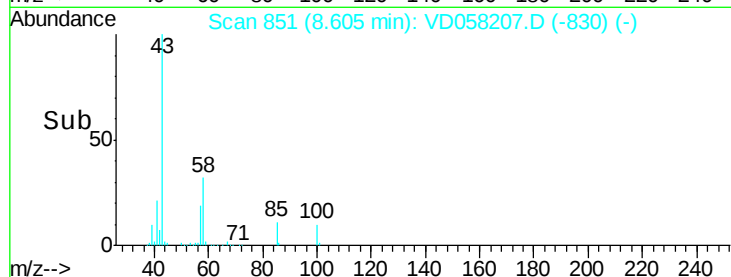
300000

200000

100000

0

Time-->



#52

Toluene

Concen: 21.279 ug/l

RT: 8.80 min Scan# 871

Delta R.T. -0.01 min

Lab File: VD058207.D

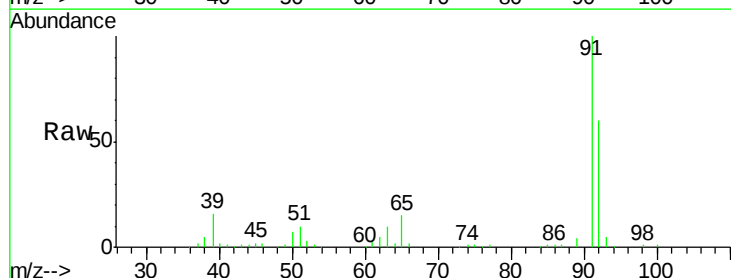
Acq: 20 Jun 2018 13:44

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

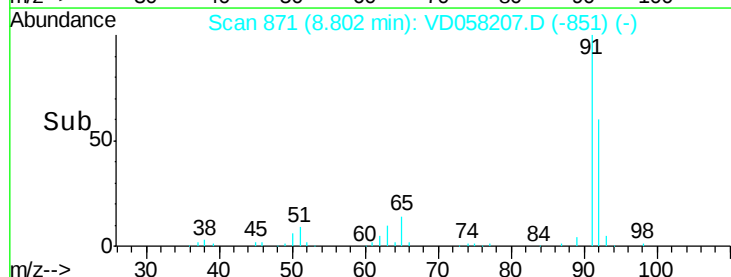
150000

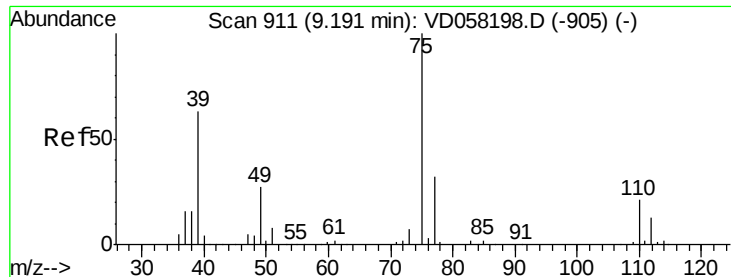
100000

50000

0

Time-->

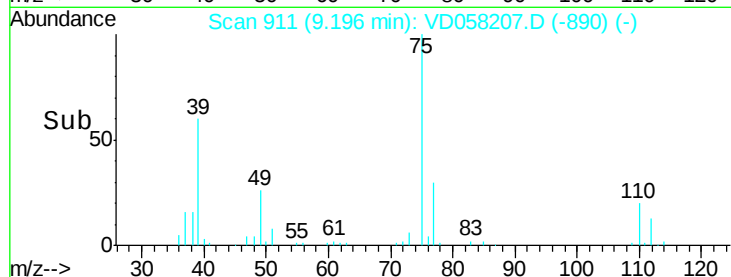
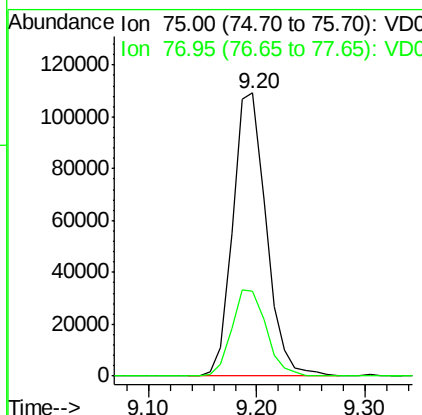
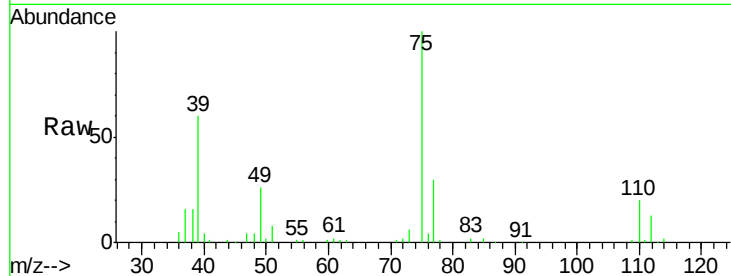




#53
 t-1,3-Dichloropropene
 Concen: 22.073 ug/l
 RT: 9.20 min Scan# 911
 Delta R.T. 0.00 min
 Lab File: VD058207.D
 Acq: 20 Jun 2018 13:44

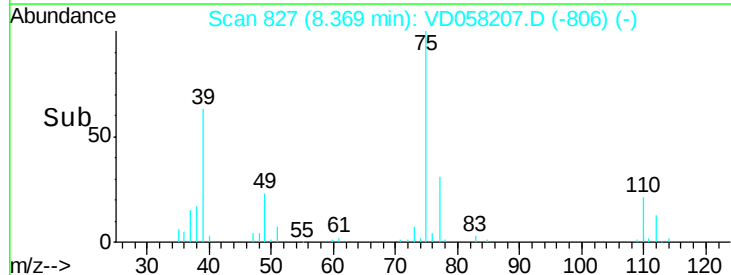
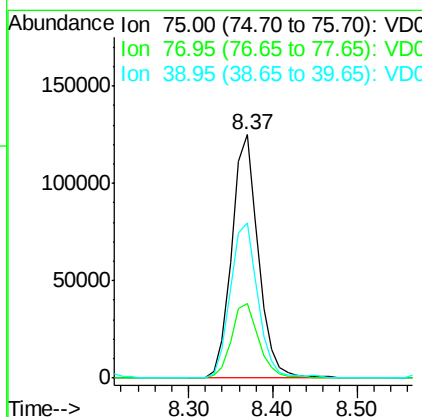
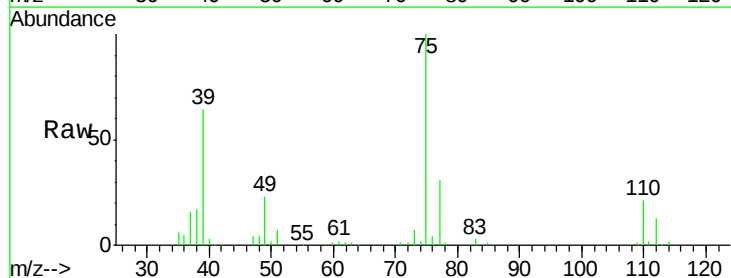
Instrument :
 MSVOA_D
 ClientSampleId :
 VD0620SBSD02

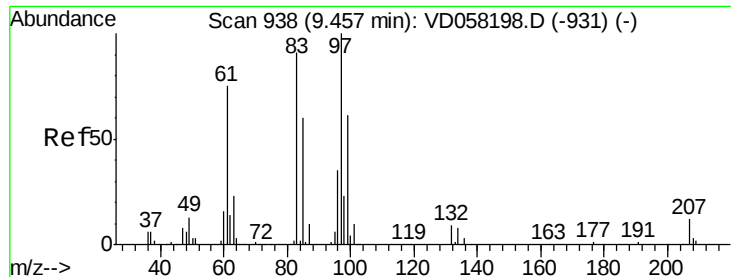
Tot Ion: 75 Resp: 234334
 Ion Ratio Lower Upper
 75 100
 77 29.8 25.8 38.8



#54
 cis-1,3-Dichloropropene
 Concen: 22.003 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

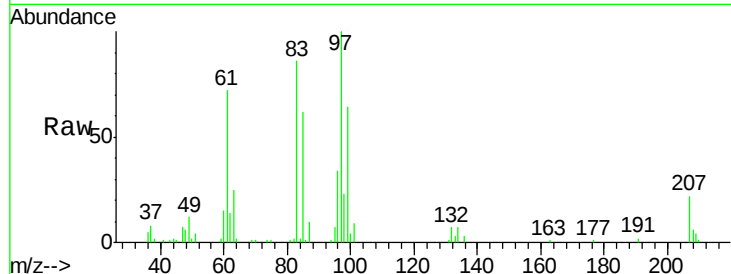




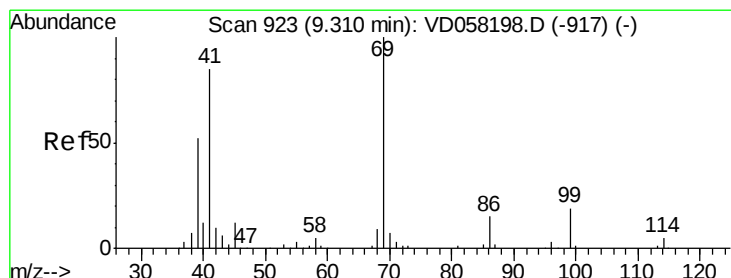
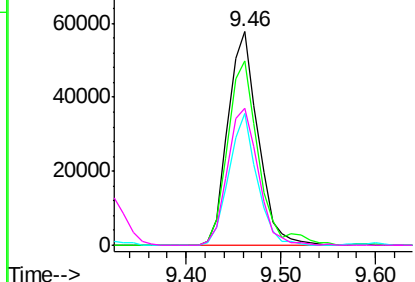
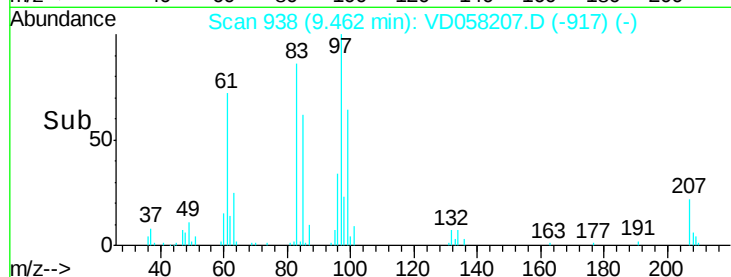
#55
 1,1,2-Trichloroethane
 Concen: 21.721 ug/l
 RT: 9.46 min Scan# 938
 Delta R.T. 0.00 min
 Lab File: VD058207.D
 Acq: 20 Jun 2018 13:44

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

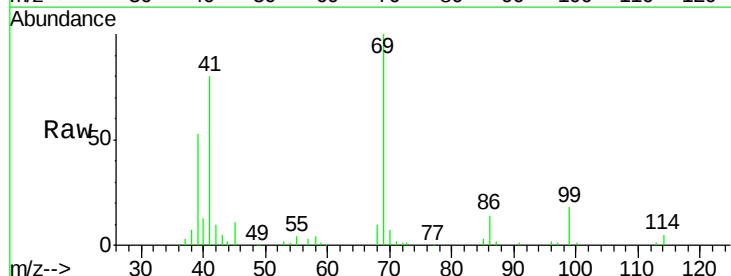


Abundance Ion 96.85 (96.55 to 97.55): VDC
 Ion 82.95 (82.65 to 83.65): VDC
 Ion 84.95 (84.65 to 85.65): VDC
 Ion 98.85 (98.55 to 99.55): VDC

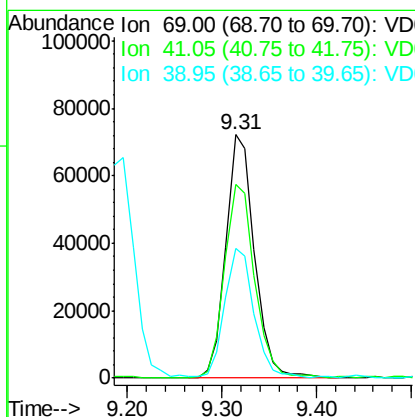
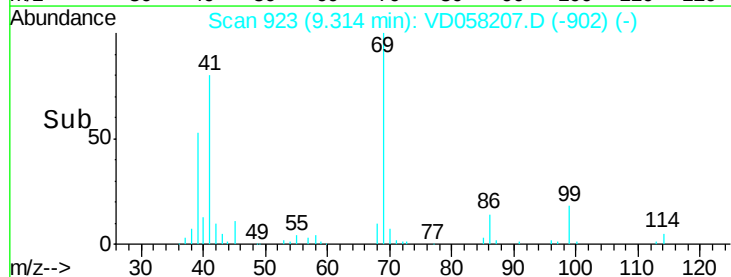


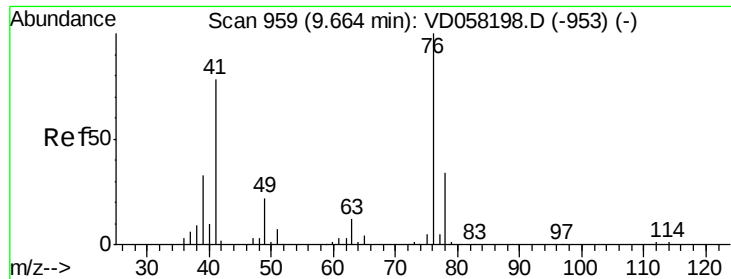
#56
 Ethyl methacrylate
 Concen: 21.582 ug/l
 RT: 9.31 min Scan# 923
 Delta R.T. 0.00 min
 Lab File: VD058207.D
 Acq: 20 Jun 2018 13:44

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

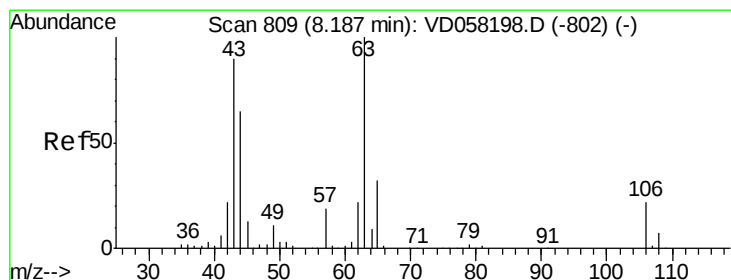
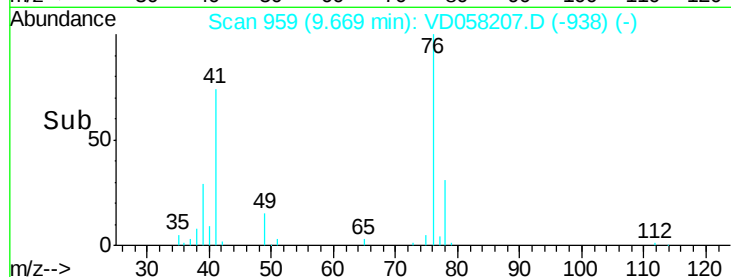
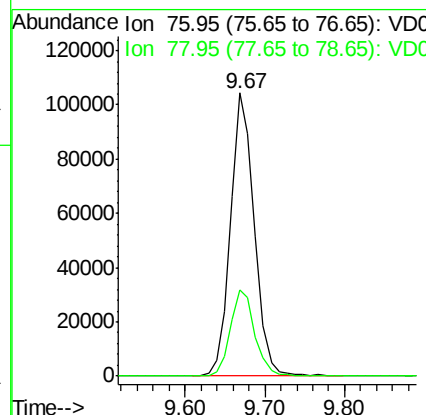
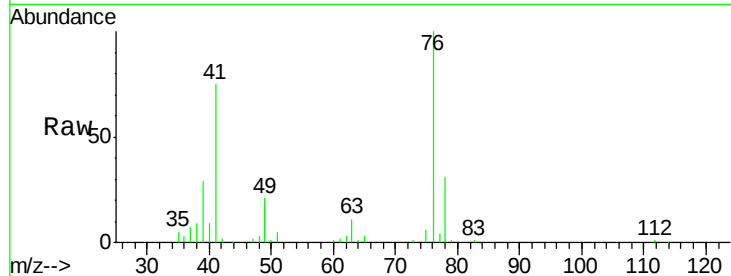




#57
 1,3-Dichloropropane
 Concen: 22.193 ug/l
 RT: 9.67 min Scan# 959
 Delta R.T. 0.00 min
 Lab File: VD058207.D
 Acq: 20 Jun 2018 13:44

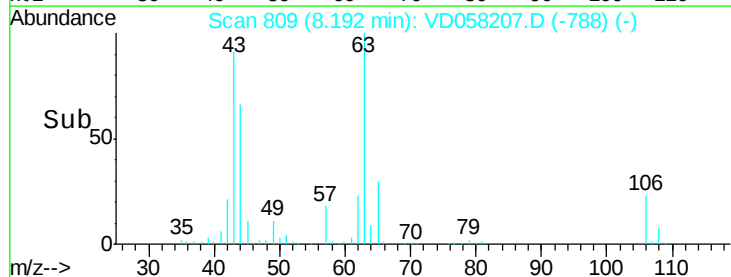
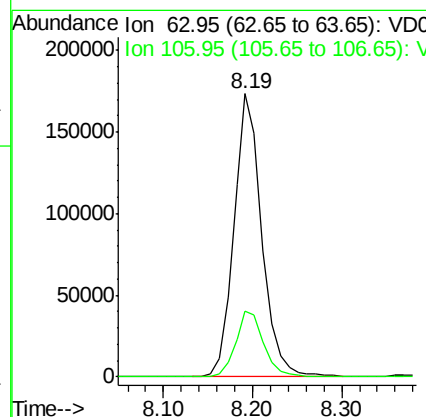
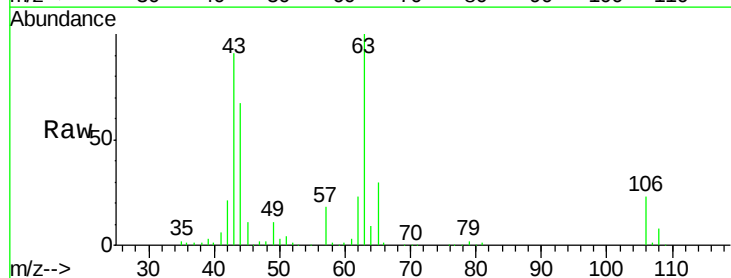
Instrument :
 MSVOA_D
 ClientSampleId :
 VD0620SBSD02

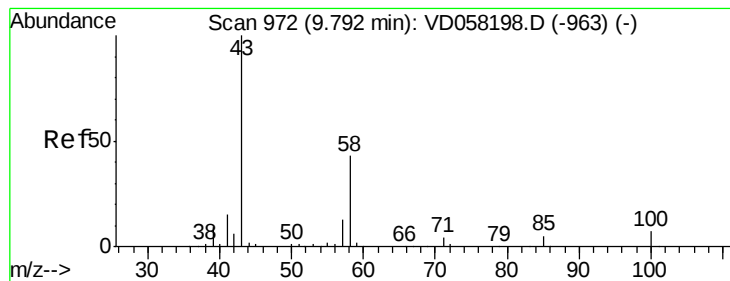
Tot Ion: 76 Resp: 219348
 Ion Ratio Lower Upper
 76 100
 78 30.5 27.0 40.6



#58
 2-Chloroethyl Vinyl ether
 Concen: 108.783 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





#59

2-Hexanone

Concen: 112.158 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 :

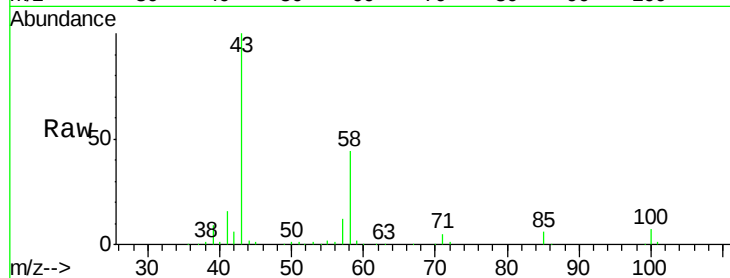
VD0620SBSD02

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

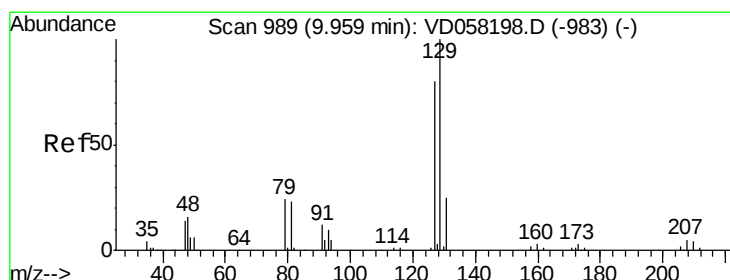
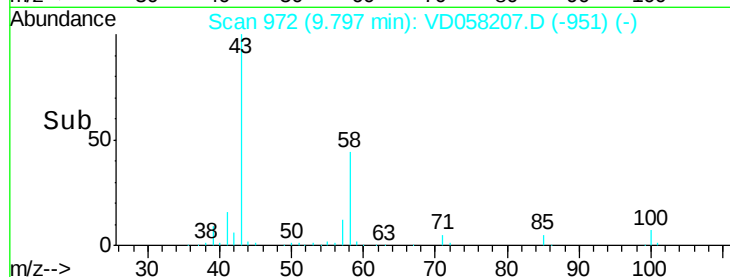
150000

100000

50000

0

Time-->



#60

Dibromochloromethane

Concen: 21.954 ug/l

RT: 9.96 min Scan# 989

Delta R.T. 0.00 min

Lab File: VD058207.D

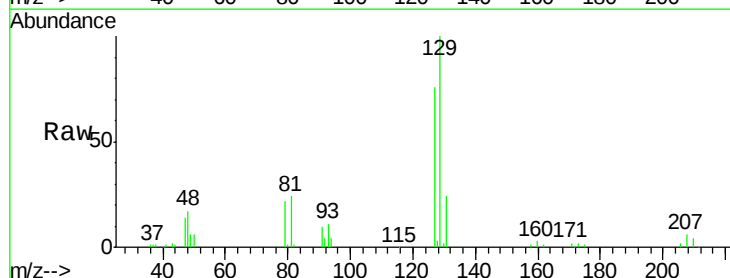
Acq: 20 Jun 2018 13:44

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

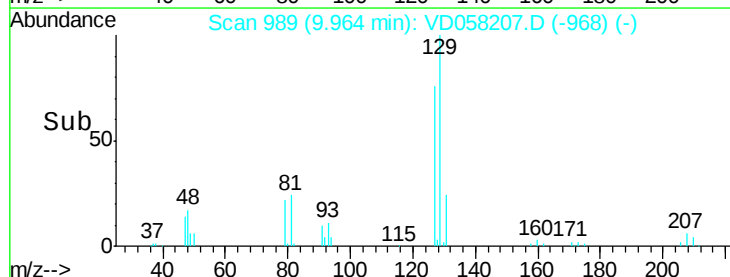
60000

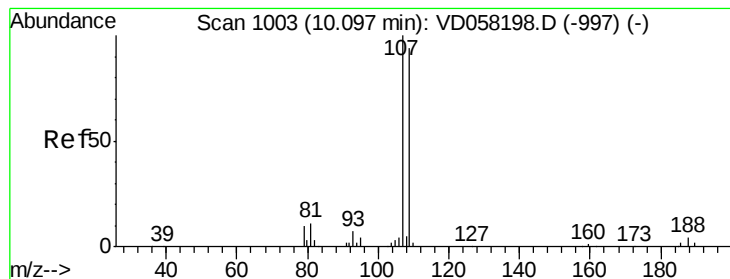
40000

20000

0

Time-->





#61

1,2-Dibromoethane

Concen: 21.590 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 :

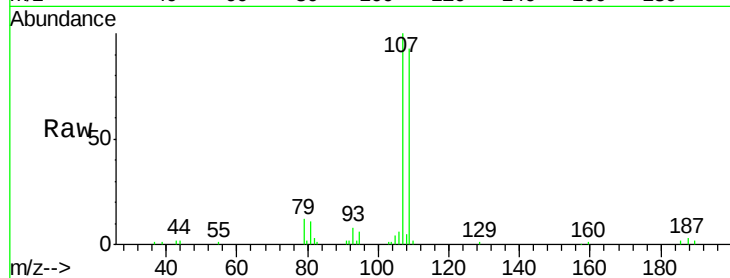
VD0620SBSD02

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

10.10

80000

60000

40000

20000

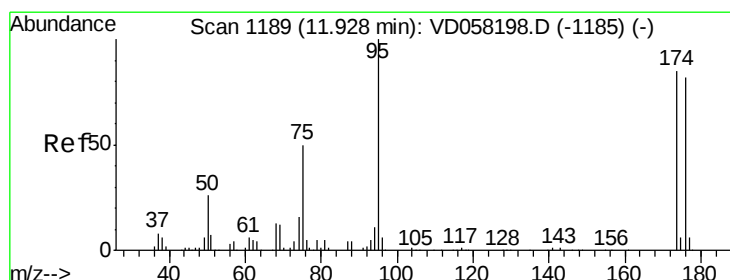
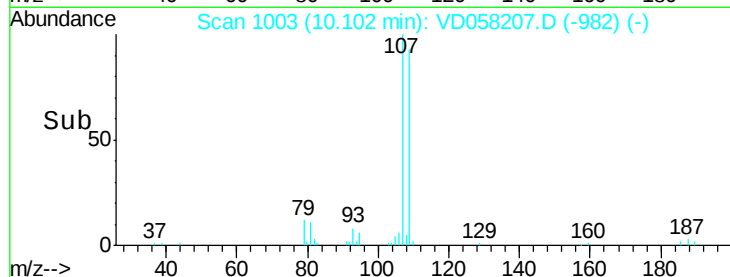
0

Time-->

10.00

10.10

10.20



#62

4-Bromofluorobenzene

Concen: 21.590 ug/l

RT: 11.93 min Scan# 1189

Delta R.T. 0.00 min

Lab File: VD058207.D

Acq: 20 Jun 2018 13:44

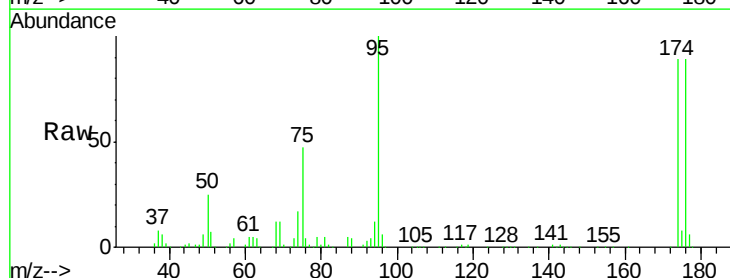
Tgt Ion: 95 Resp: 520440

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): V

Ion 173.90 (173.60 to 174.60): V

Ion 175.90 (175.60 to 176.60): V

500000

400000

300000

200000

100000

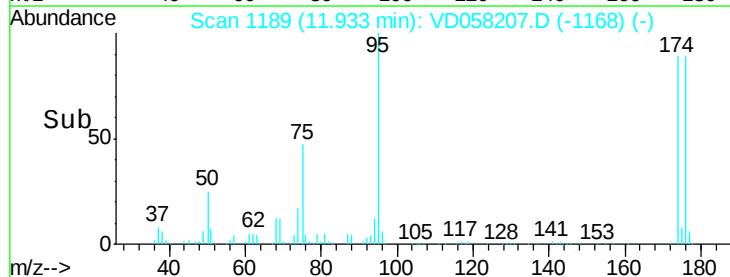
0

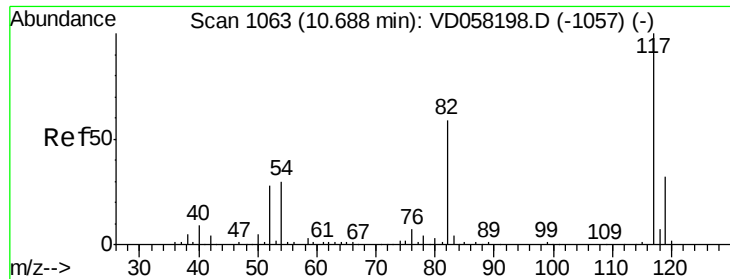
Time-->

11.90

11.93

12.00

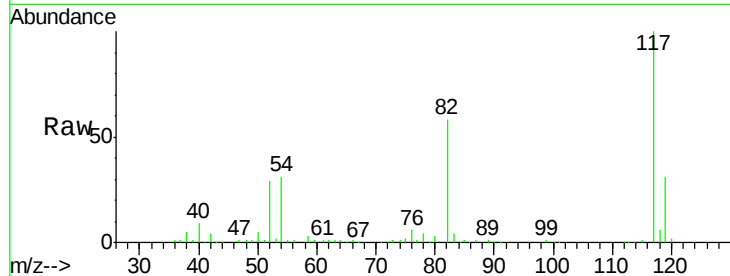




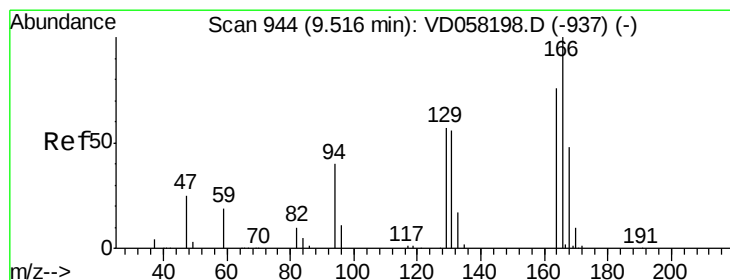
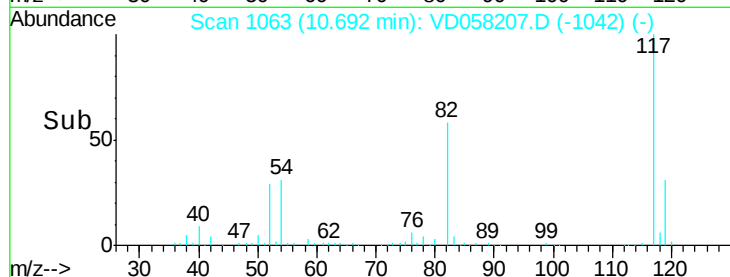
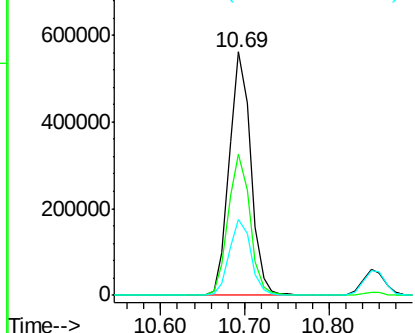
#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 10.69 min Scan# 1063
Delta R.T. 0.00 min
Lab File: VD058207.D
Acq: 20 Jun 2018 13:44

Instrument :
MSVOA_D
ClientSampleId :
VD0620SBSD02

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

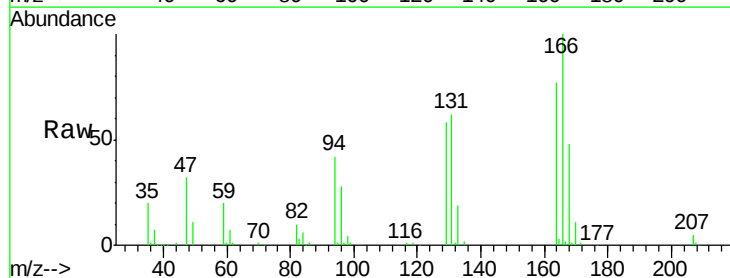


Abundance Ion 116.95 (116.65 to 117.65): V
Ion 82.05 (81.75 to 82.75): V
Ion 118.95 (118.65 to 119.65): V

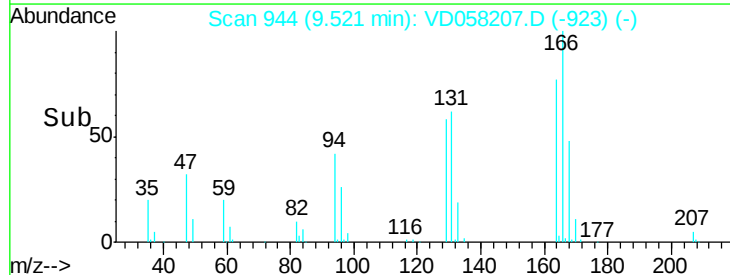
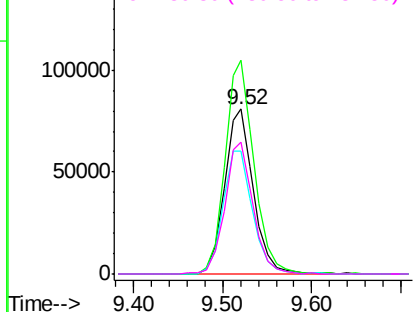


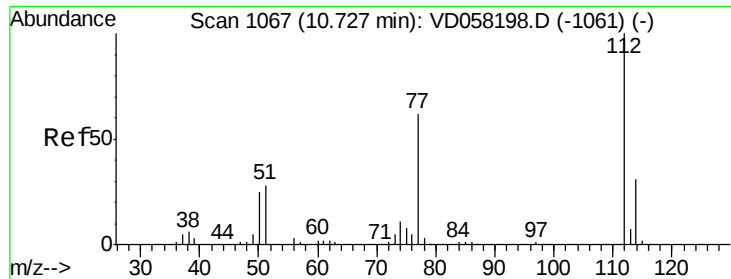
#64
Tetrachloroethene
Concen: 21.566 ug/l
RT: 9.52 min Scan# 944
Delta R.T. 0.00 min
Lab File: VD058207.D
Acq: 20 Jun 2018 13:44

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

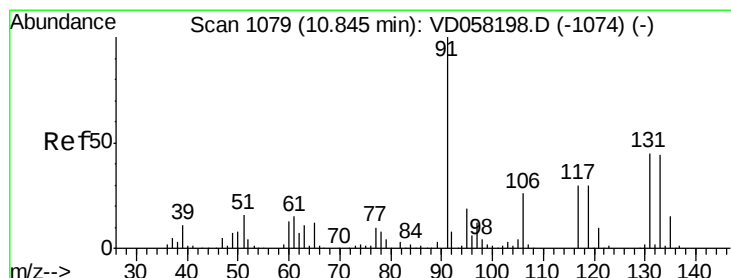
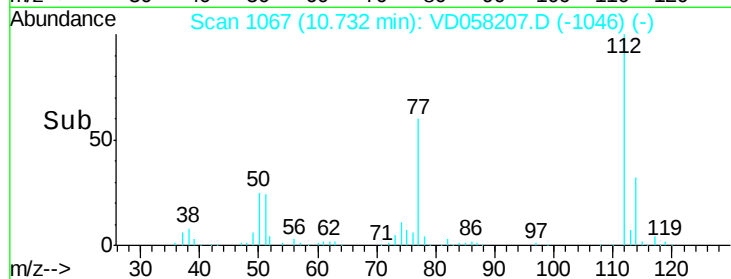
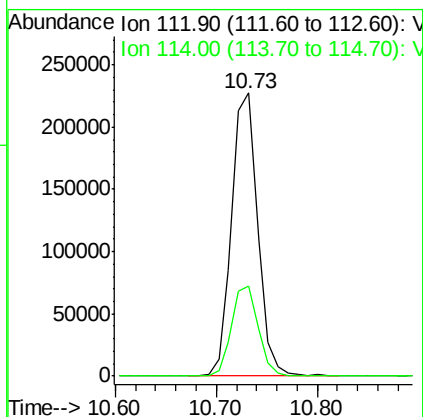
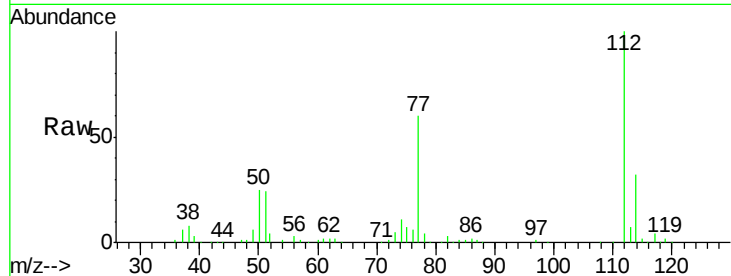




#65
Chlorobenzene
Concen: 21.803 ug/l
RT: 10.73 min Scan# 1067
Delta R.T. 0.00 min
Lab File: VD058207.D
Acq: 20 Jun 2018 13:44

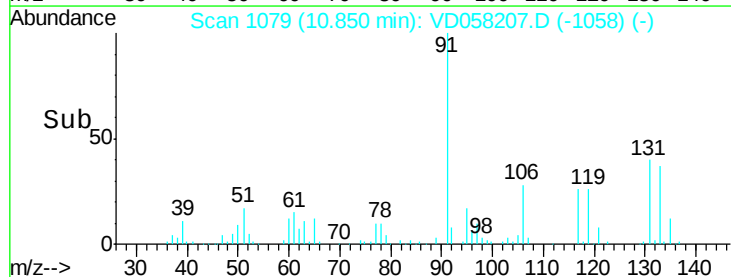
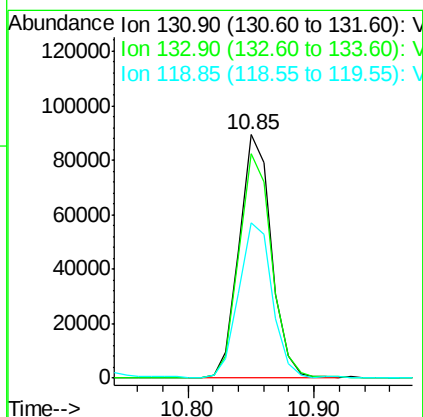
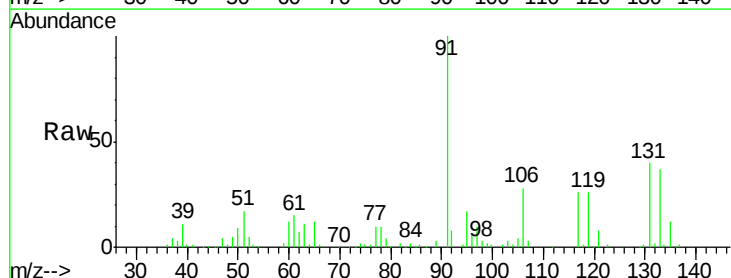
Instrument :
MSVOA_D
ClientSampleId :
VD0620SBSD02

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: 21.897 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: 21.749 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 :

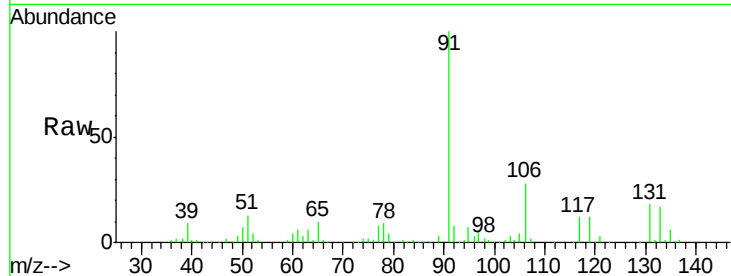
VD0620SBS02

Tot Ion: 91 Resp: 718515

Ion Ratio Lower Upper

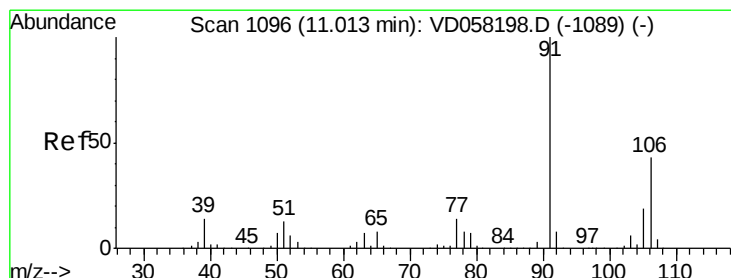
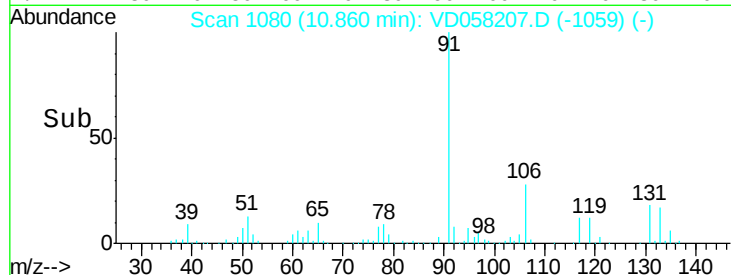
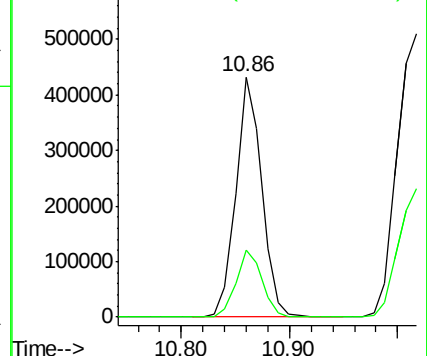
91 100

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



#68

m/p-Xylenes

Concen: 44.492 ug/l

RT: 11.02 min Scan# 1096

Delta R.T. 0.00 min

Lab File: VD058207.D

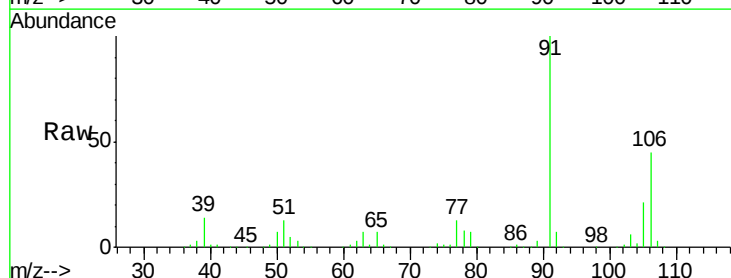
Acq: 20 Jun 2018 13:44

Tgt Ion: 106 Resp: 490178

Ion Ratio Lower Upper

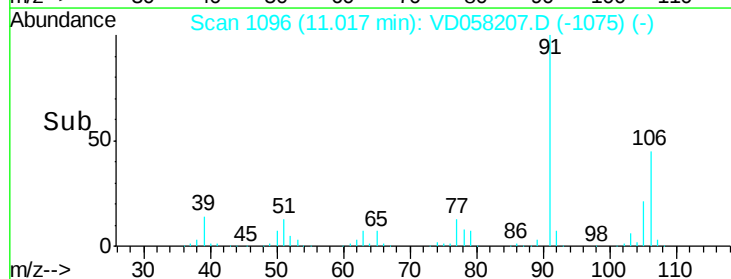
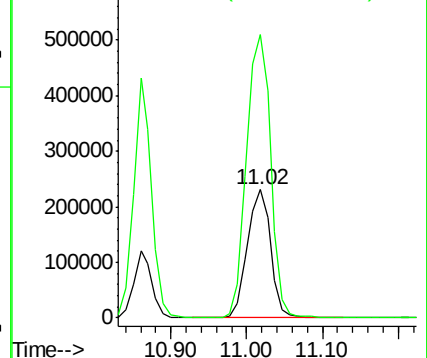
106 100

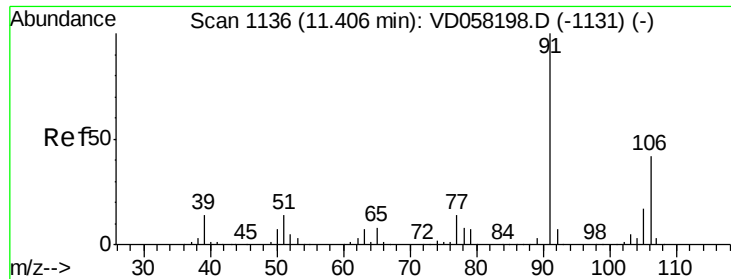
91 220.8 185.0 277.6



Abundance Ion 106.05 (105.75 to 106.75): V

Ion 91.00 (90.70 to 91.70): V

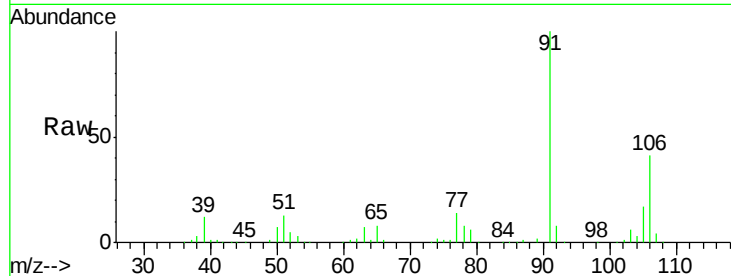




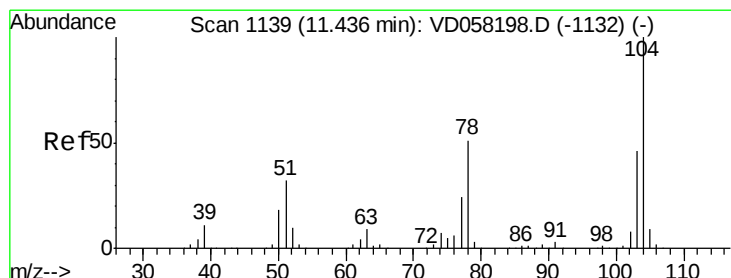
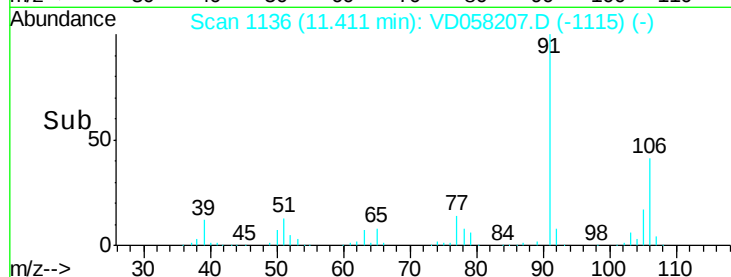
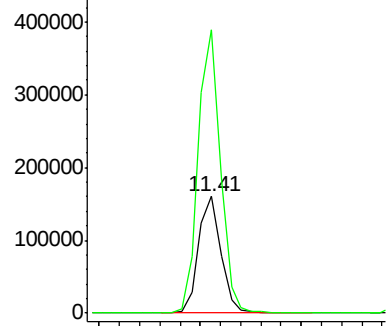
#69
o-Xylene
Concen: 23.490 ug/l
RT: 11.41 min Scan# 1136
Delta R.T. 0.00 min
Lab File: VD058207.D
Acq: 20 Jun 2018 13:44

Instrument :
MSVOA_D
ClientSampleId :
VD0620SBSD02

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

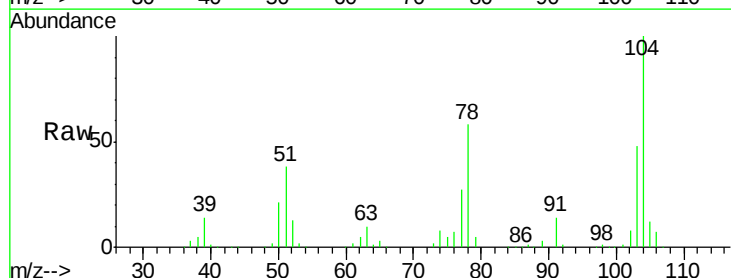


Abundance Ion 106.05 (105.75 to 106.75): V
Ion 91.00 (90.70 to 91.70): VDC

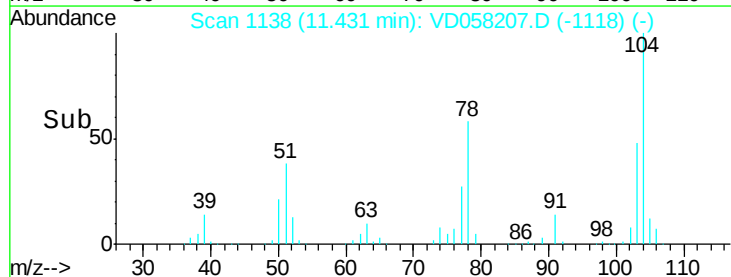
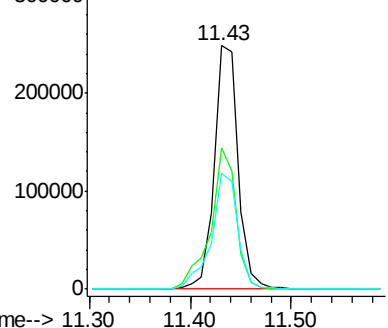


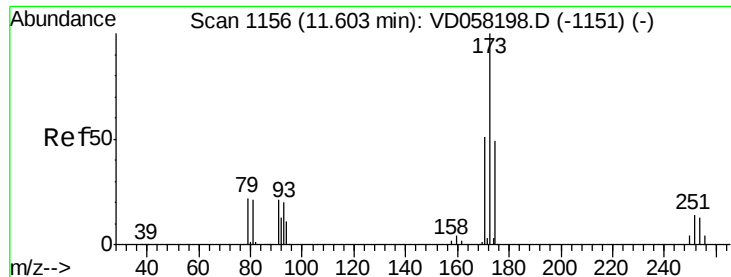
#70
Styrene
Concen: 22.795 ug/l
RT: 11.43 min Scan# 1138
Delta R.T. -0.01 min
Lab File: VD058207.D
Acq: 20 Jun 2018 13:44

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

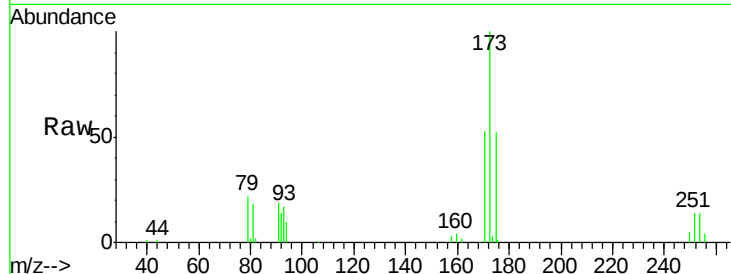




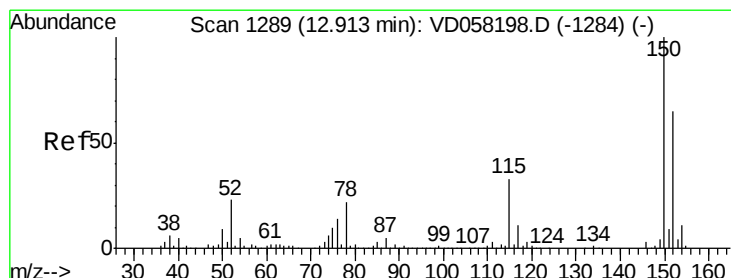
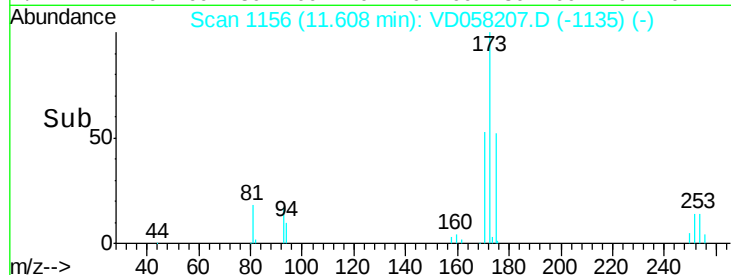
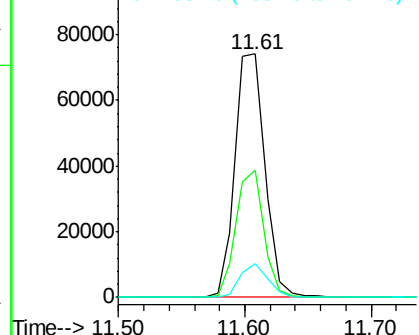
#71
Bromoform
Concen: 21.007 ug/l
RT: 11.61 min Scan# 1156
Delta R.T. 0.00 min
Lab File: VD058207.D
Acq: 20 Jun 2018 13:44

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

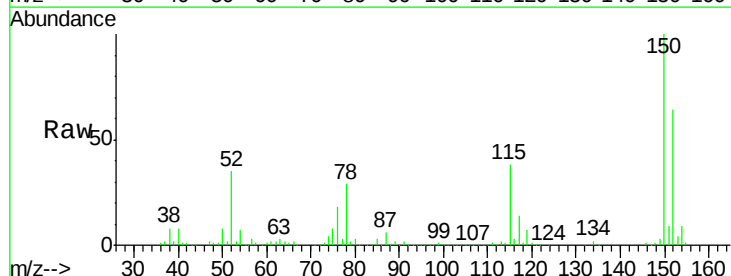


Abundance Ion 172.80 (172.50 to 173.50): V
Ion 174.80 (174.50 to 175.50): V
Ion 253.70 (253.40 to 254.40): V

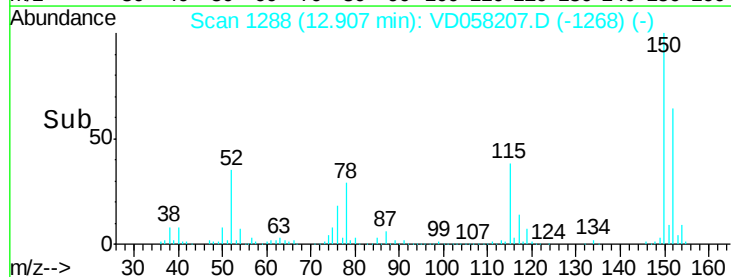
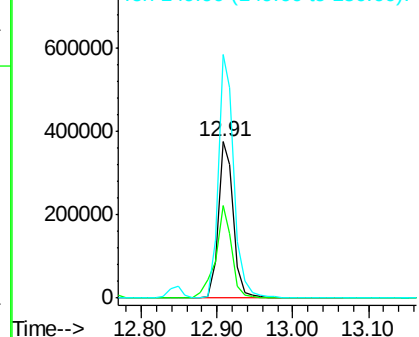


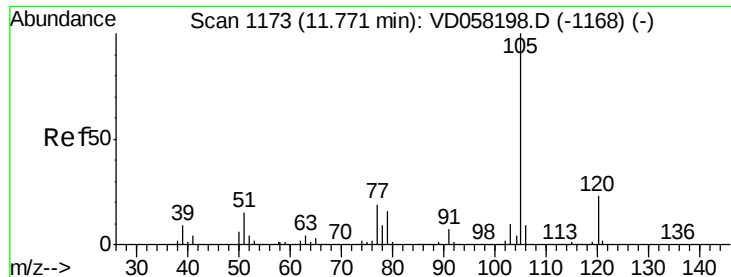
#72
1,4-Dichlorobenzene-d4
Concen: 50.000 ug/l
RT: 12.91 min Scan# 1288
Delta R.T. -0.01 min
Lab File: VD058207.D
Acq: 20 Jun 2018 13:44

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: 21.107 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 :

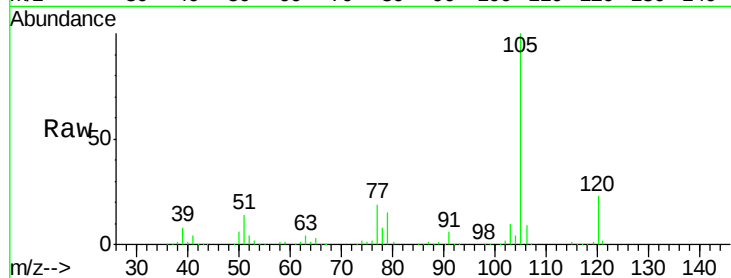
VD0620SBS02

Tot Ion:105 Resp: 664065

Ion Ratio Lower Upper

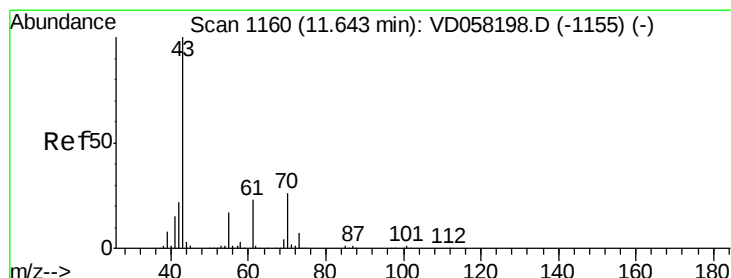
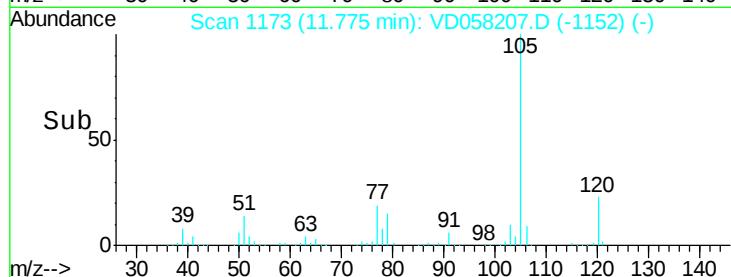
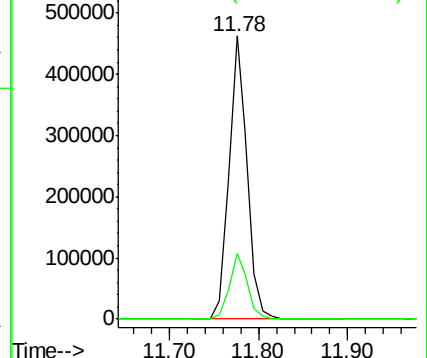
105 100

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: 20.271 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

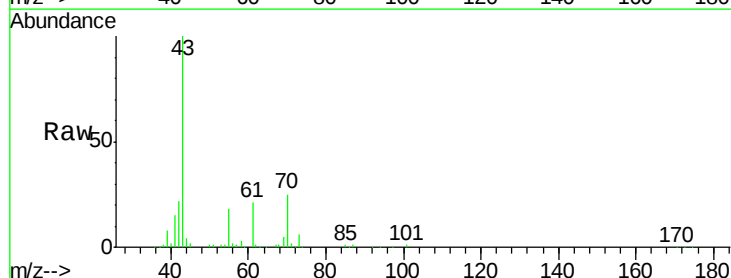
Ion Ratio Lower Upper

43 100

70 25.0 20.9 31.3

55 17.7 13.5 20.3

61 21.3 18.2 27.2

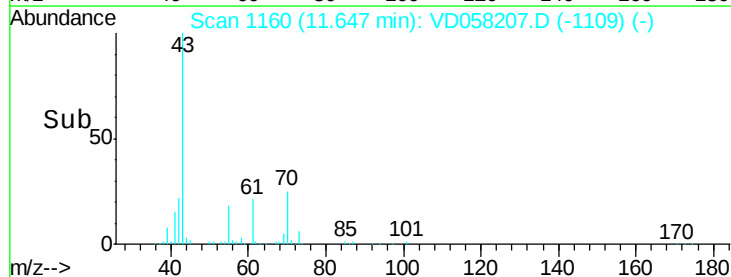
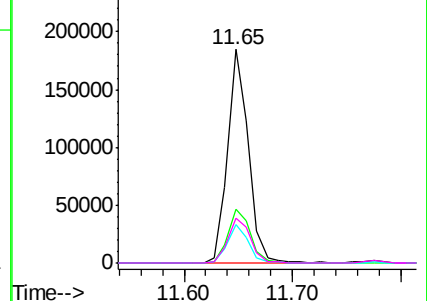


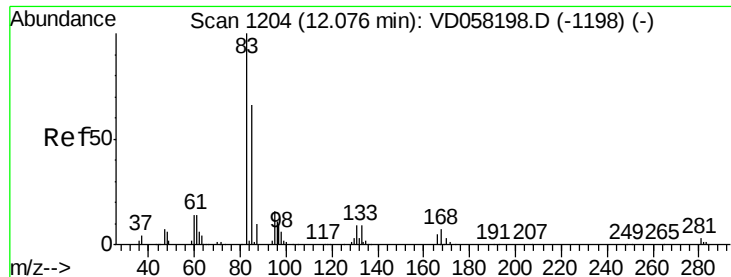
Abundance Ion 42.95 (42.65 to 43.65): V

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: 20.690 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

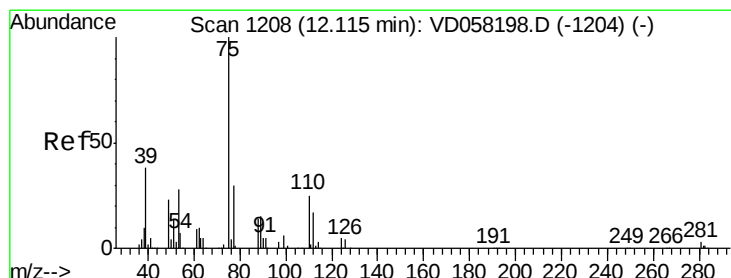
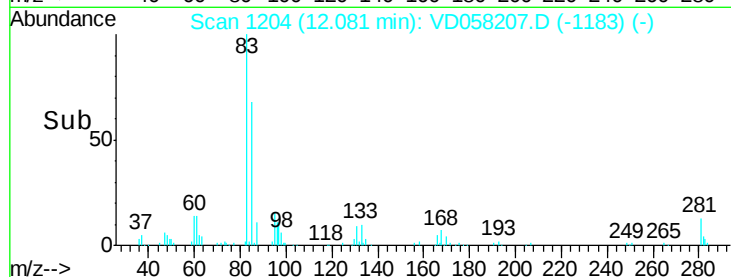
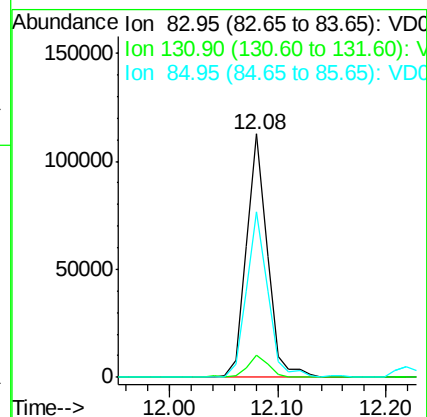
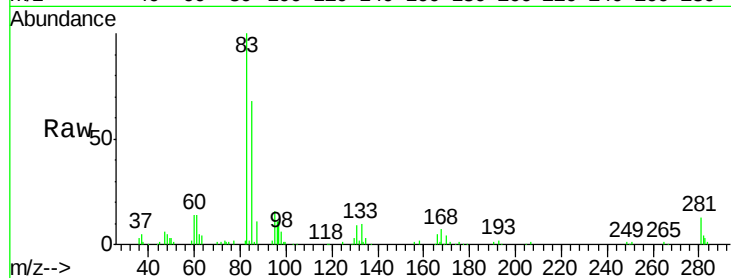
Tot Ion: 83 Resp: 151484

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



#76

1,2,3-Trichloropropane

Concen: 21.871 ug/l

RT: 12.12 min Scan# 1208

Delta R.T. 0.00 min

Lab File: VD058207.D

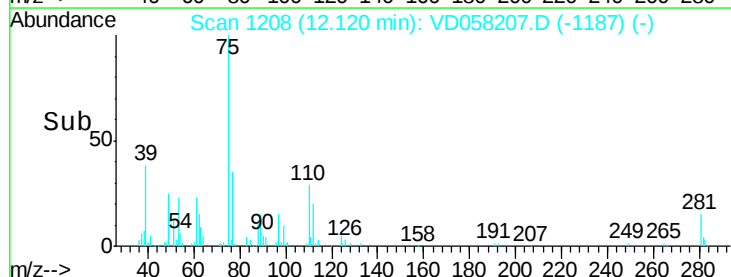
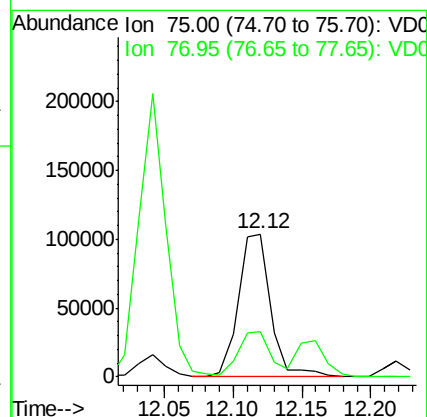
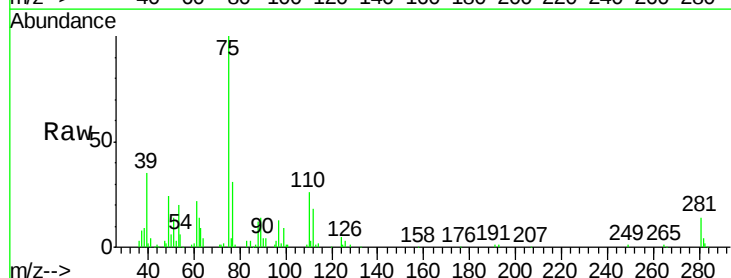
Acq: 20 Jun 2018 13:44

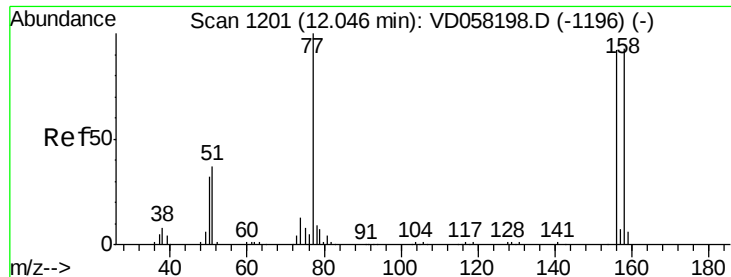
Tgt Ion: 75 Resp: 167959

Ion	Ratio	Lower	Upper
75	100		
77	31.5	16.0	47.9

75 100

77 31.5 16.0 47.9





#77

Bromobenzene

Concen: 21.656 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

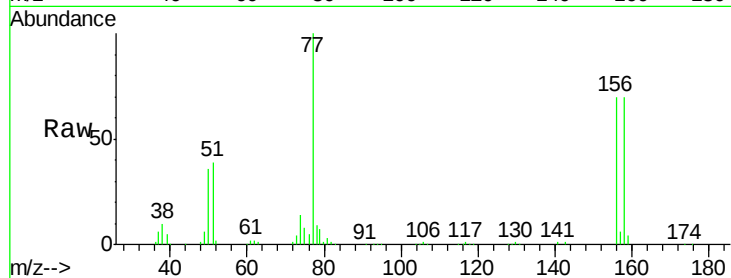
Tot Ion:156 Resp: 204023

Ion Ratio Lower Upper

156 100

77 142.9 54.5 163.6

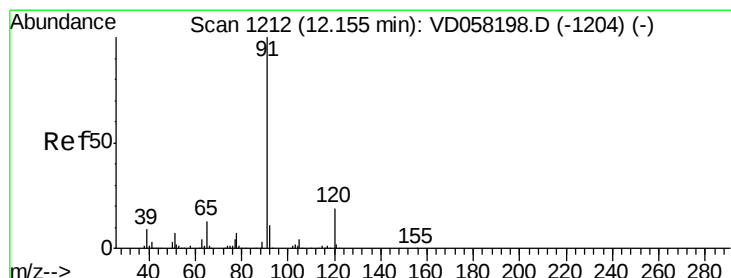
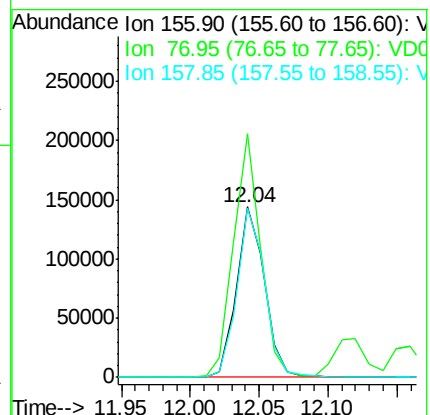
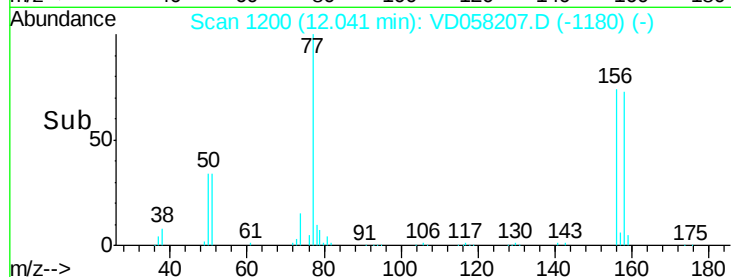
158 99.6 50.8 152.5



Abundance Ion 155.90 (155.60 to 156.60): V

Ion 76.95 (76.65 to 77.65): V

Ion 157.85 (157.55 to 158.55): V



#78

n-propylbenzene

Concen: 21.435 ug/l

RT: 12.16 min Scan# 1212

Delta R.T. 0.00 min

Lab File: VD058207.D

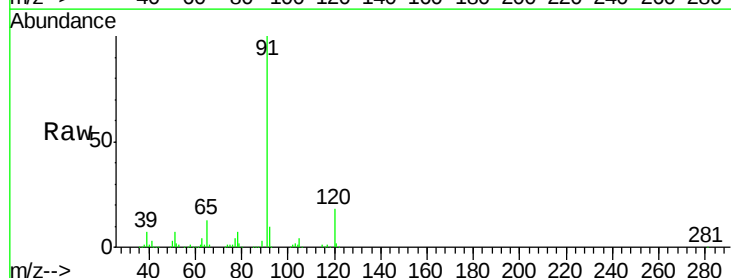
Acq: 20 Jun 2018 13:44

Tgt Ion: 91 Resp: 870904

Ion Ratio Lower Upper

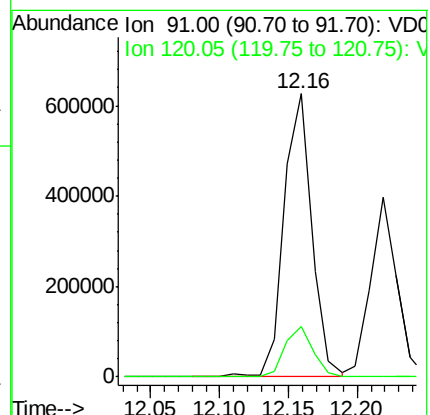
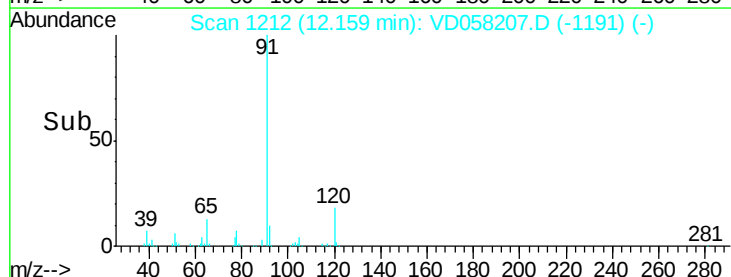
91 100

120 18.0 9.7 29.1



Abundance Ion 91.00 (90.70 to 91.70): V

Ion 120.05 (119.75 to 120.75): V

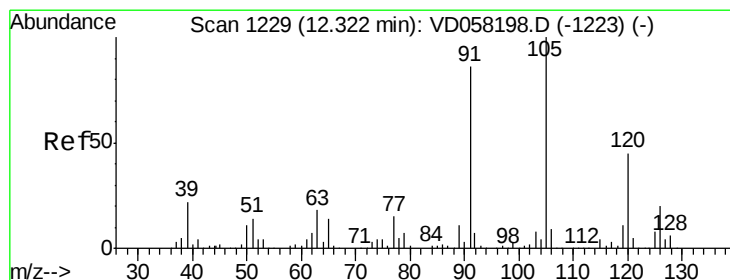
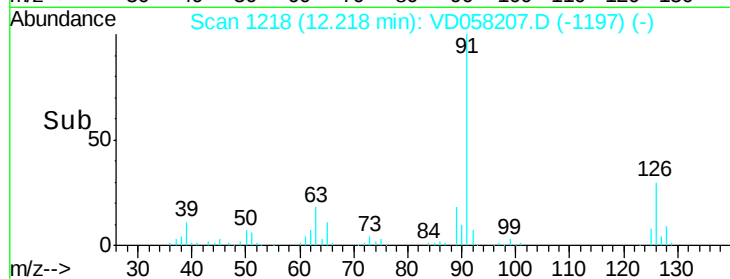
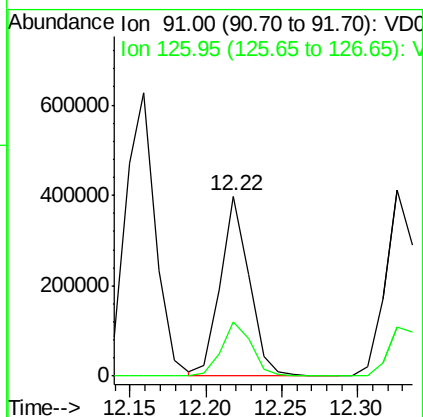
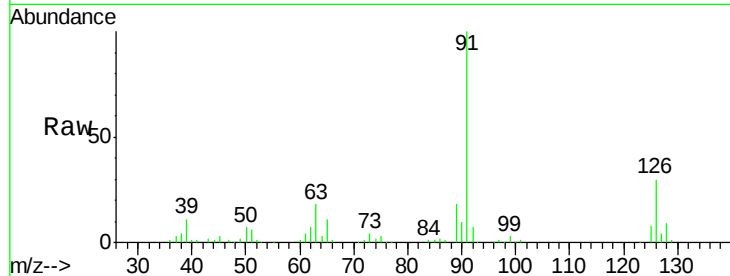




#79
 2-Chlorotoluene
 Concen: 22.475 ug/l
 RT: 12.22 min Scan# 1218
 Delta R.T. 0.00 min
 Lab File: VD058207.D
 Acq: 20 Jun 2018 13:44

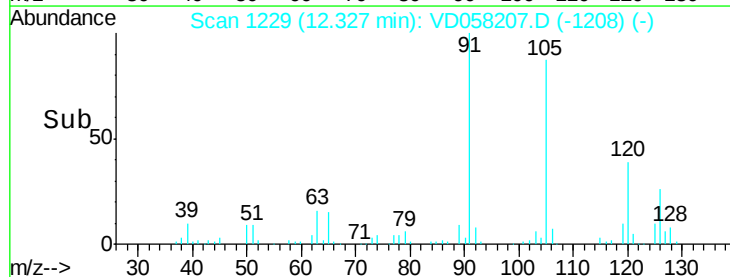
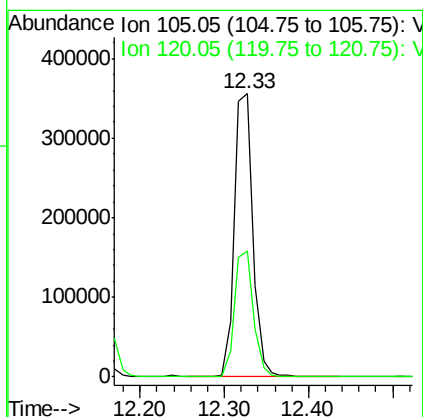
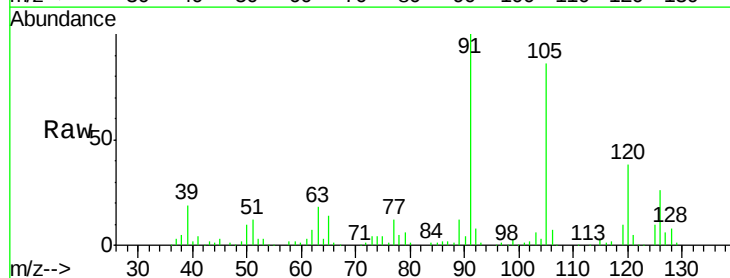
Instrument :
 MSVOA_D
 ClientSampleId :
 VD0620SBSD02

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



#80
 1,3,5-Trimethylbenzene
 Concen: 22.106 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: 20.226 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

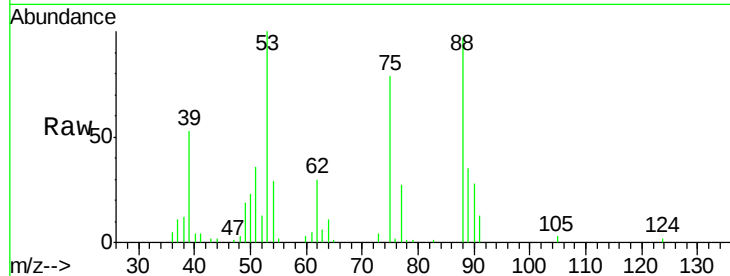
Tot Ion: 75 Resp: 37883

Ion Ratio Lower Upper

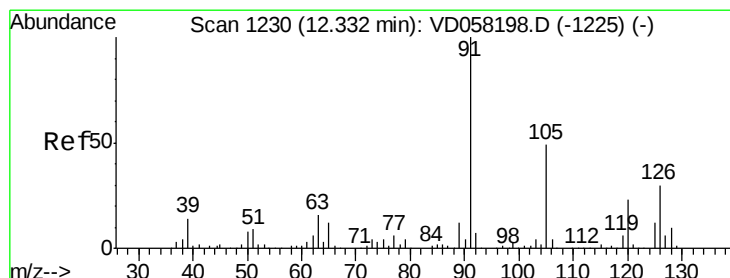
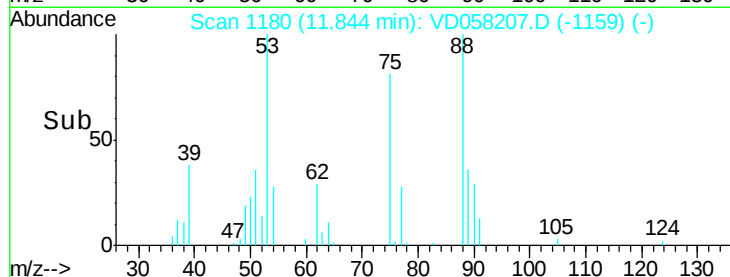
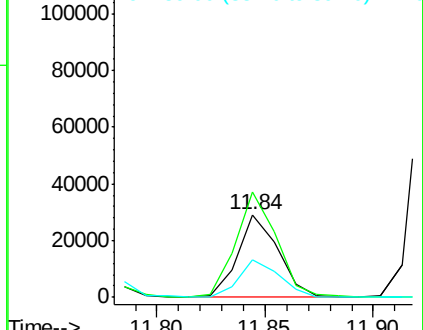
75 100

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: 22.560 ug/l

RT: 12.33 min Scan# 1229

Delta R.T. -0.00 min

Lab File: VD058207.D

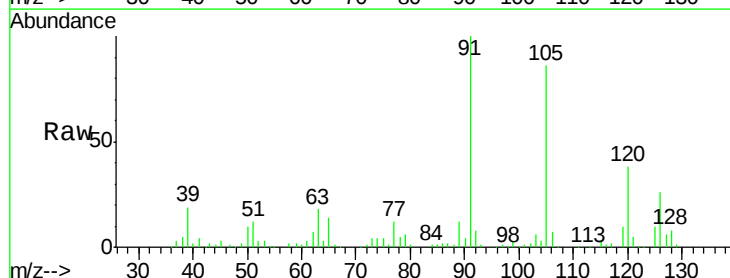
Acq: 20 Jun 2018 13:44

Tgt Ion: 91 Resp: 578789

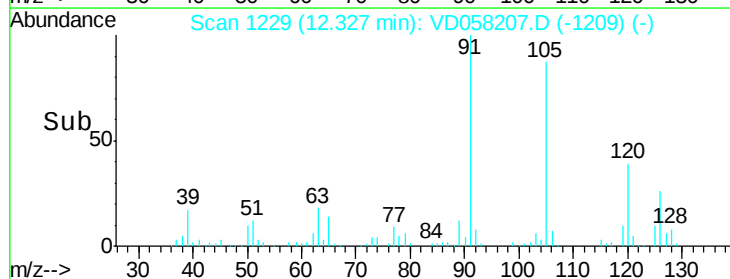
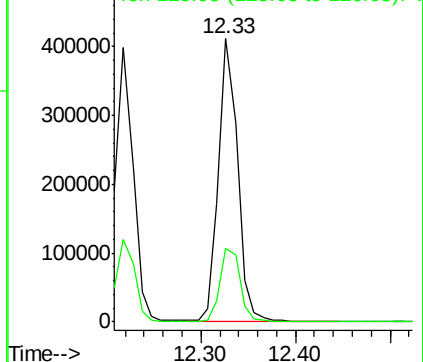
Ion Ratio Lower Upper

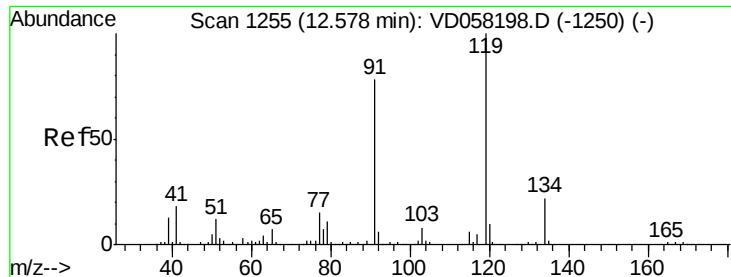
91 100

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

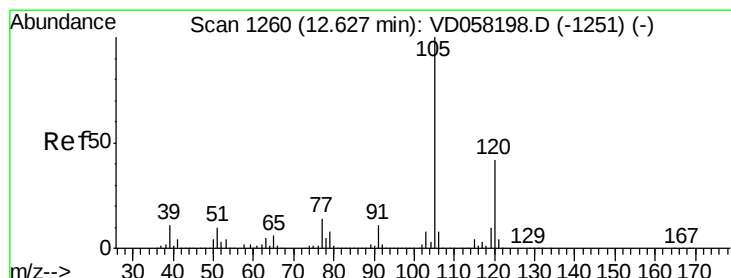
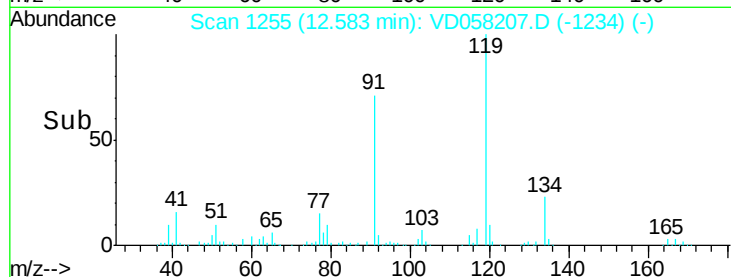
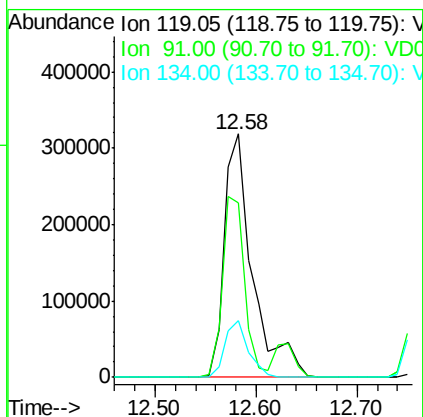
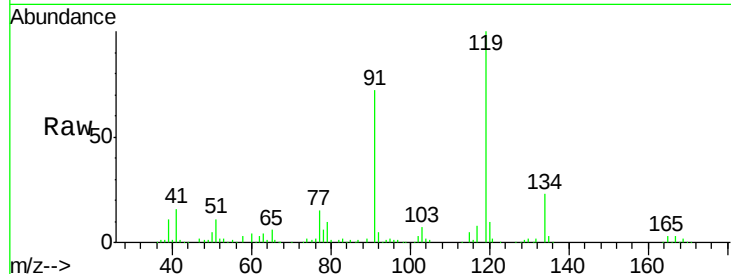




#83
 tert-Butylbenzene
 Concen: 21.967 ug/l
 RT: 12.58 min Scan# 1255
 Delta R.T. 0.00 min
 Lab File: VD058207.D
 Acq: 20 Jun 2018 13:44

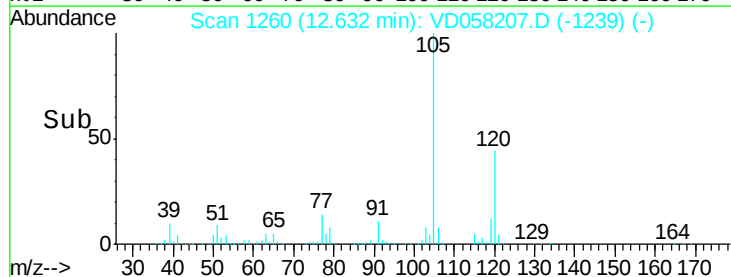
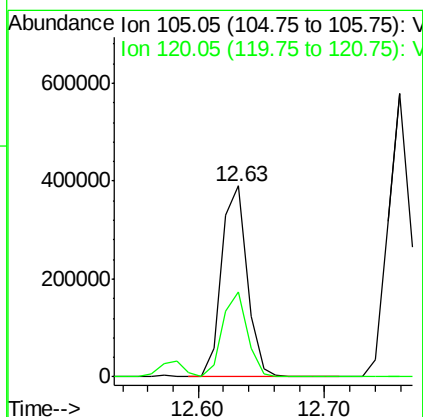
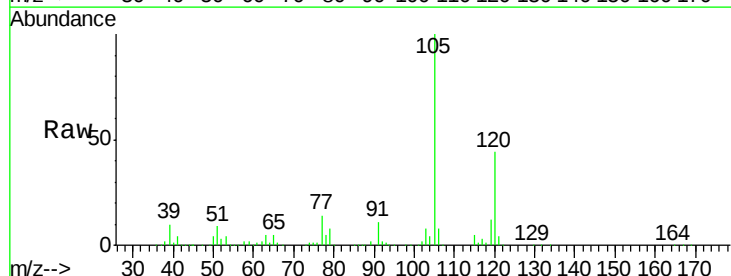
Instrument :
 MSVOA_D
 ClientSampleId :
 VD0620SBS02

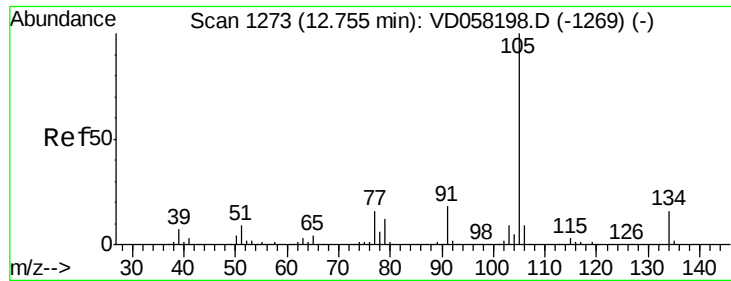
Tot Ion:119 Resp: 619752
 Ion Ratio Lower Upper
 119 100
 91 71.6 38.9 116.6
 134 23.5 11.2 33.5



#84
 1,2,4-Trimethylbenzene
 Concen: 20.376 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





#85

sec-Butylbenzene

Concen: 22.428 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 :

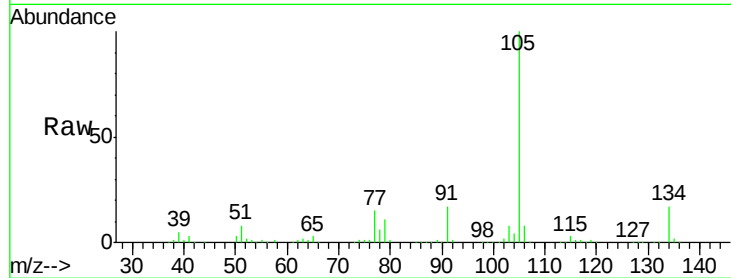
VD0620SBS02

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

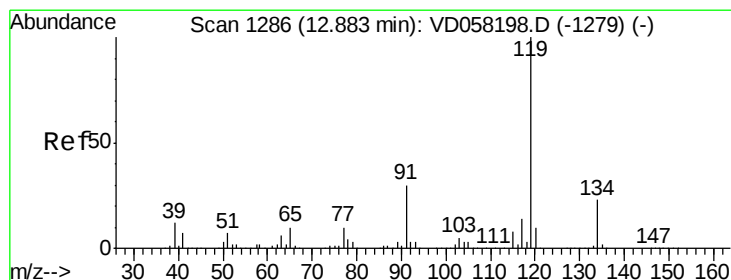
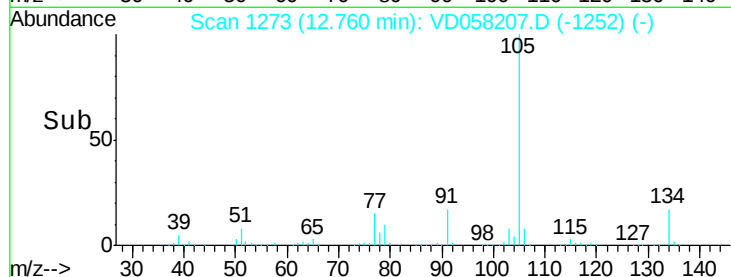
400000

200000

0

12.70 12.80 12.90

Time-->



#86

p-Isopropyltoluene

Concen: 22.471 ug/l

RT: 12.89 min Scan# 1286

Delta R.T. 0.00 min

Lab File: VD058207.D

Acq: 20 Jun 2018 13:44

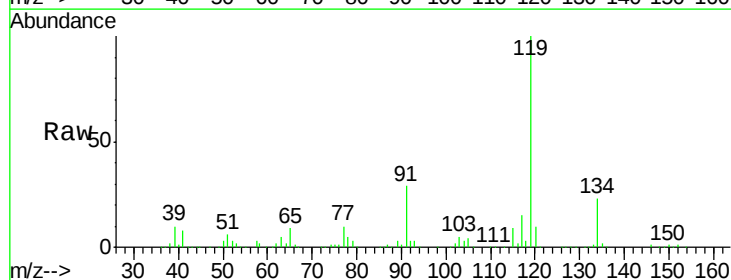
Tgt Ion:119 Resp: 602181

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

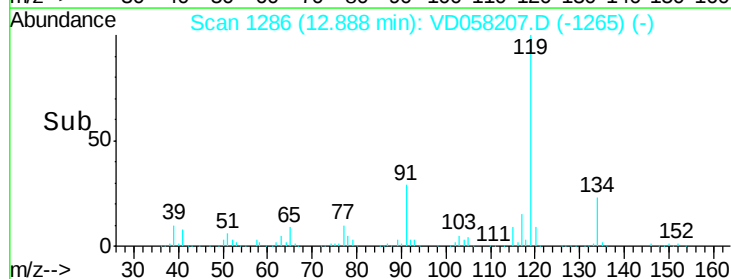
400000

200000

0

12.80 12.90 13.00

Time-->

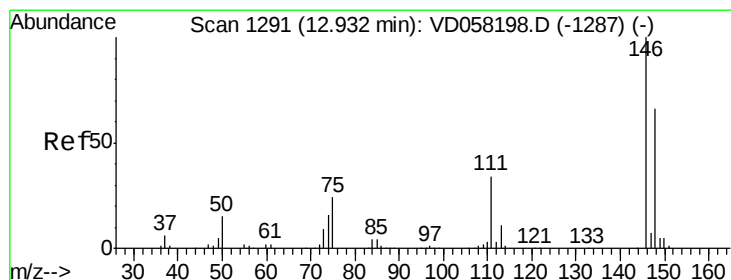
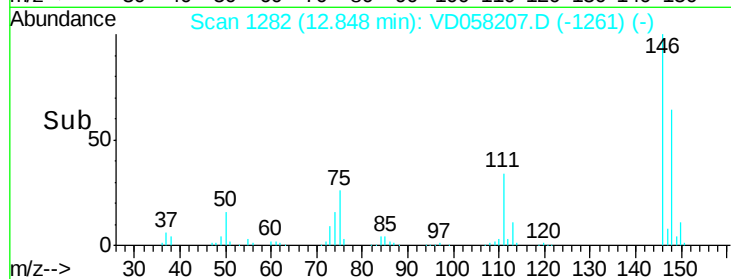
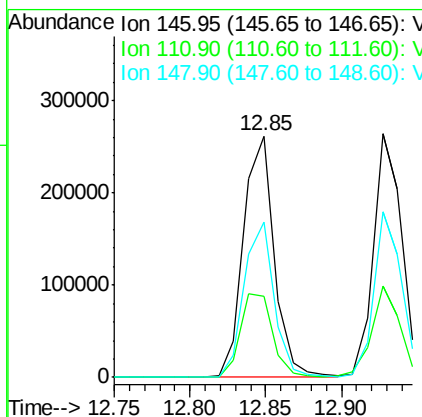
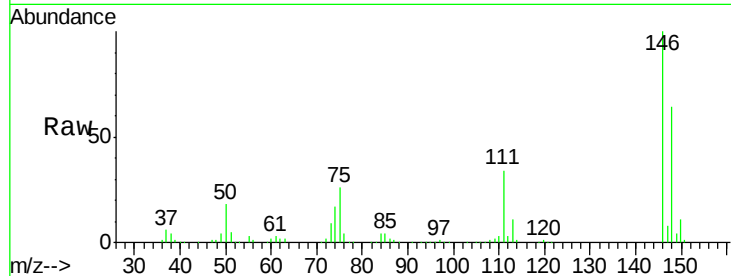




#87
 1,3-Dichlorobenzene
 Concen: 22.593 ug/l
 RT: 12.85 min Scan# 1282
 Delta R.T. 0.00 min
 Lab File: VD058207.D
 Acq: 20 Jun 2018 13:44

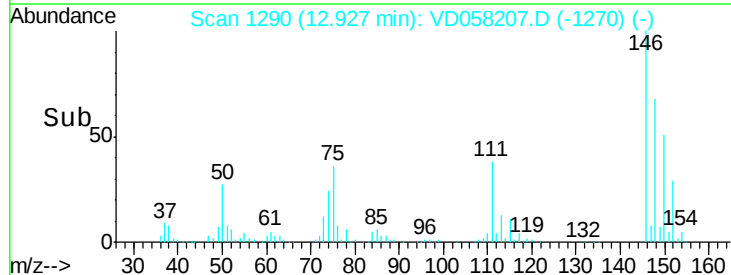
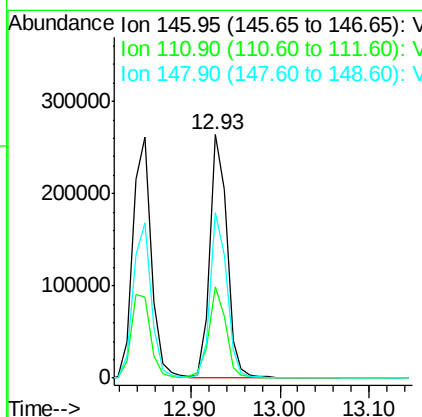
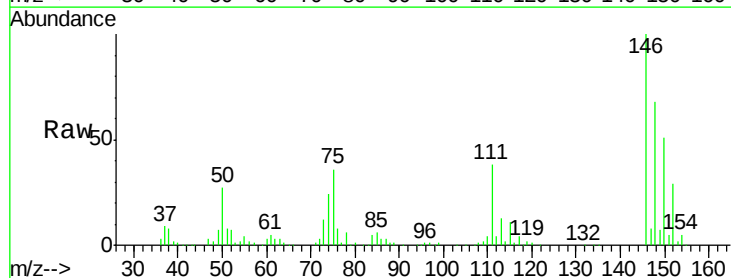
Instrument :
 MSVOA_D
 ClientSampleId :
 VD0620SBS02

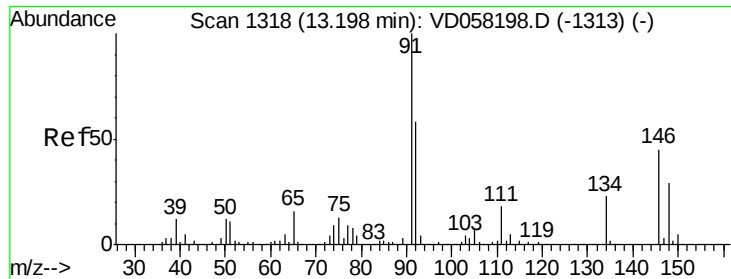
Tot Ion:146 Resp: 369952
 Ion Ratio Lower Upper
 146 100
 111 33.8 18.4 55.0
 148 64.3 32.8 98.4



#88
 1,4-Dichlorobenzene
 Concen: 21.937 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:146 Resp: 350778
 Ion Ratio Lower Upper
 146 100
 111 37.8 17.2 51.5
 148 67.8 33.1 99.3

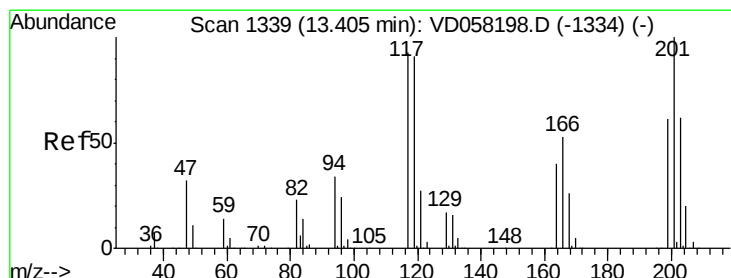
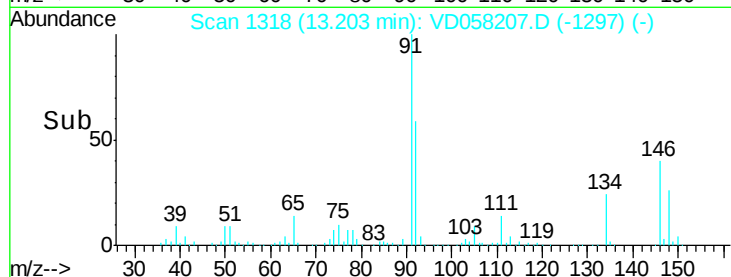
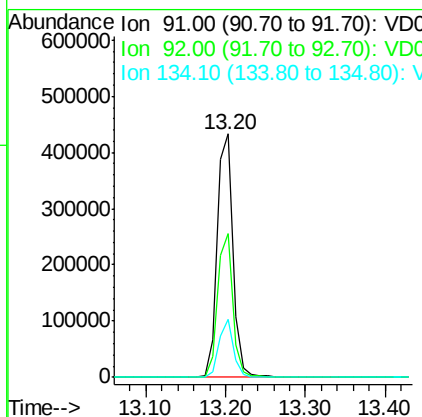
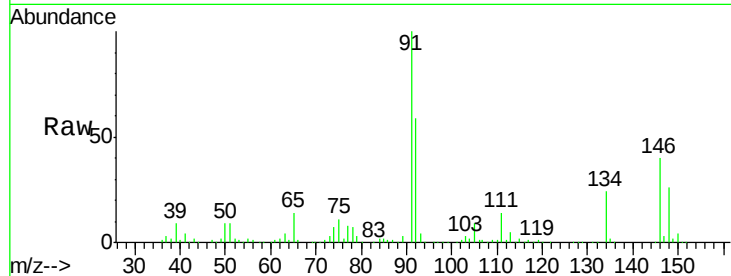




#89
n-Butylbenzene
Concen: 21.738 ug/l
RT: 13.20 min Scan# 1318
Delta R.T. 0.00 min
Lab File: VD058207.D
Acq: 20 Jun 2018 13:44

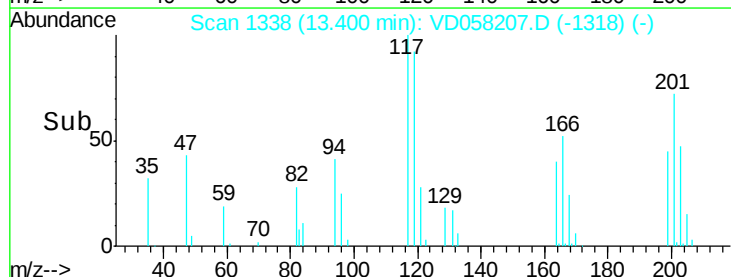
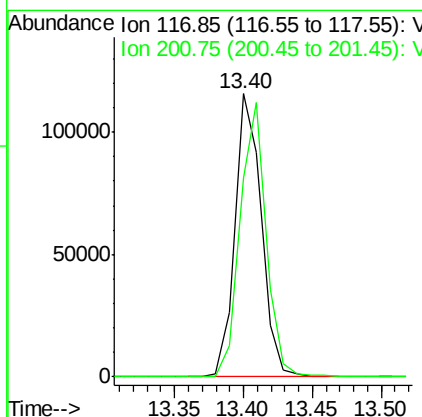
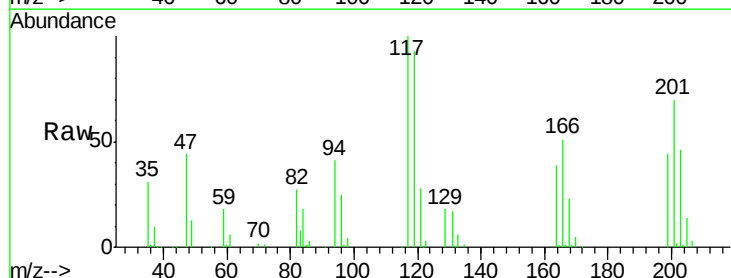
Instrument :
MSVOA_D
ClientSampleId :
VD0620SBSD02

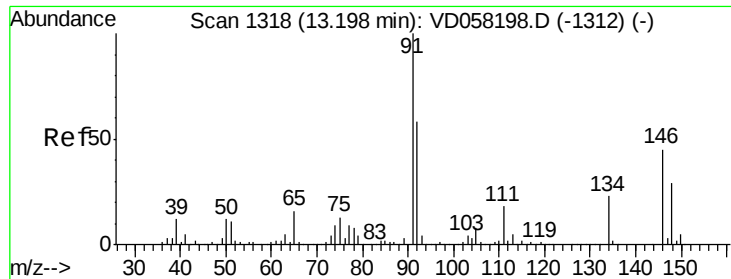
Tot Ion: 91 Resp: 612229
Ion Ratio Lower Upper
91 100
92 59.1 29.2 87.6
134 23.8 11.3 33.8



#90
Hexachloroethane
Concen: 22.122 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

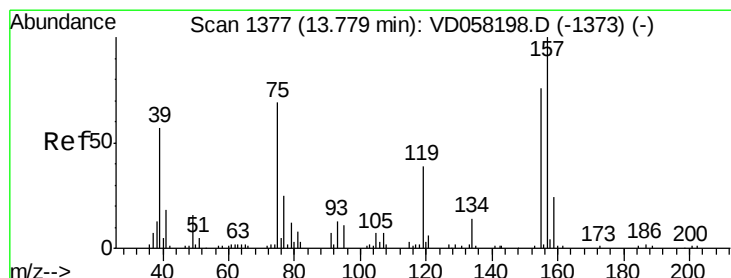
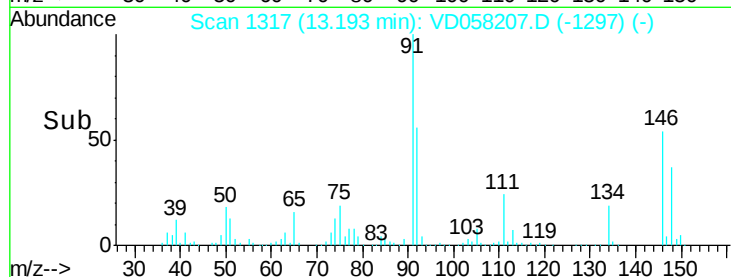
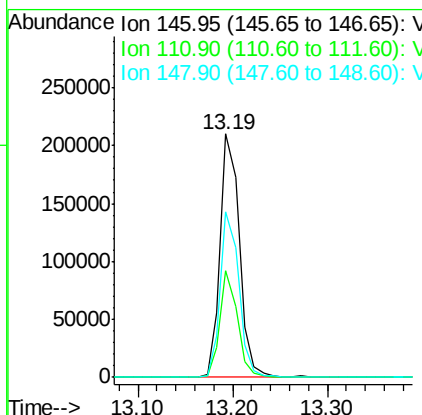
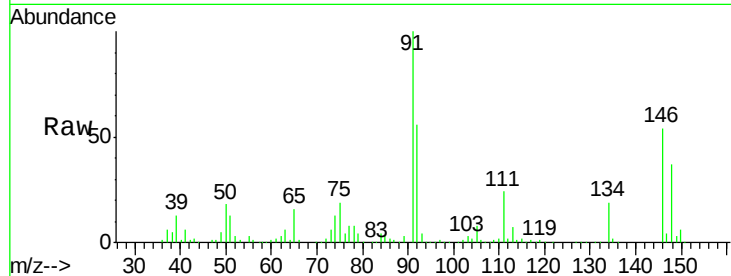




#91
 1,2-Dichlorobenzene
 Concen: 21.368 ug/l
 RT: 13.19 min Scan# 1317
 Delta R.T. -0.01 min
 Lab File: VD058207.D
 Acq: 20 Jun 2018 13:44

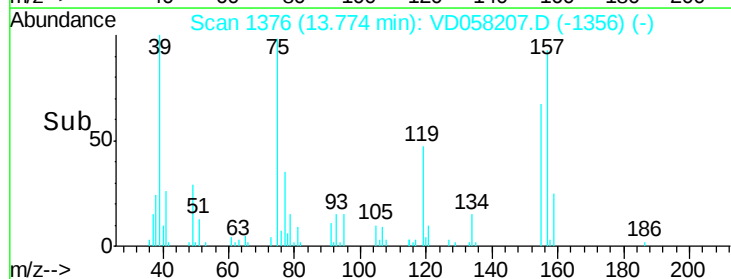
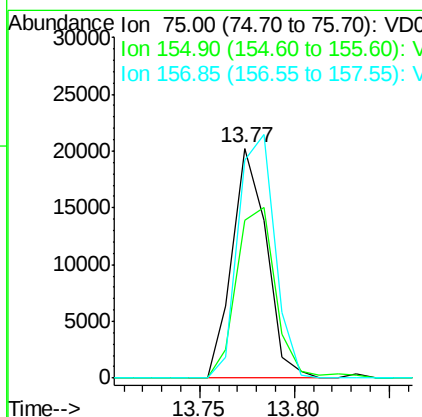
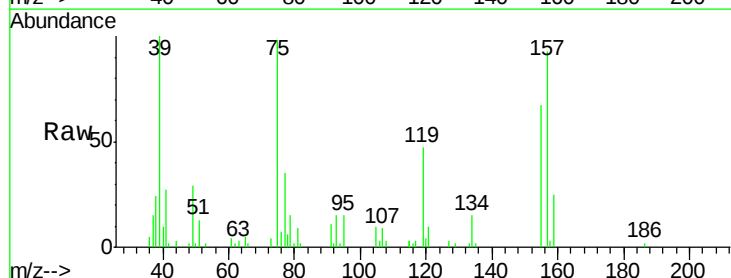
Instrument :
 MSVOA_D
 ClientSampleID :
 VD0620SBSD02

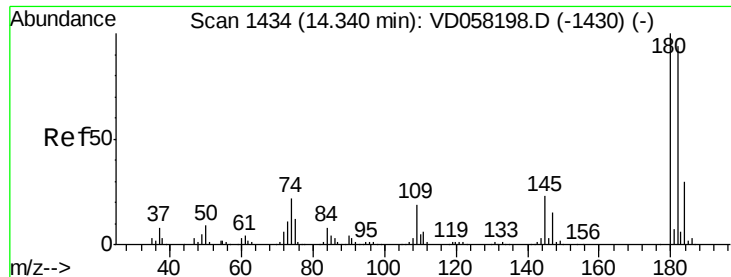
Tot Ion:146 Resp: 297758
 Ion Ratio Lower Upper
 146 100
 111 43.6 19.6 58.7
 148 67.8 32.0 96.2



#92
 1,2-Dibromo-3-Chloropropane
 Concen: 21.783 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

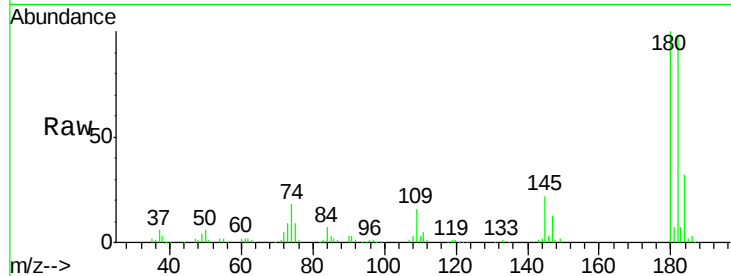




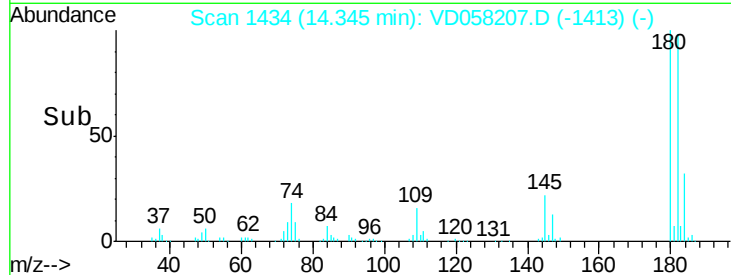
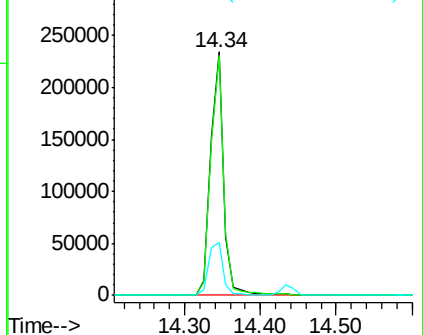
#93
 1,2,4-Trichlorobenzene
 Concen: 21.453 ug/l
 RT: 14.34 min Scan# 1434
 Delta R.T. 0.00 min
 Lab File: VD058207.D
 Acq: 20 Jun 2018 13:44

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

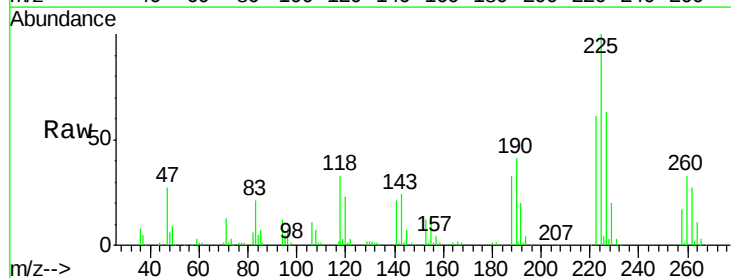


Abundance Ion 179.85 (179.55 to 180.55): V
 Ion 181.85 (181.55 to 182.55): V
 Ion 144.95 (144.65 to 145.65): V

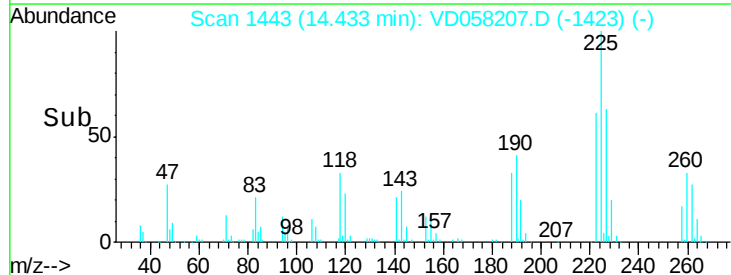
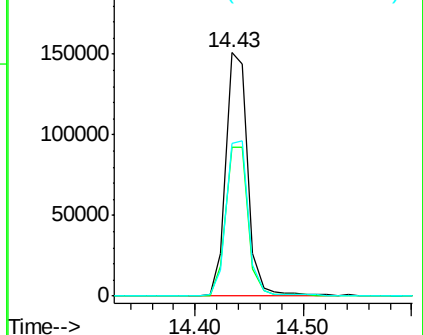


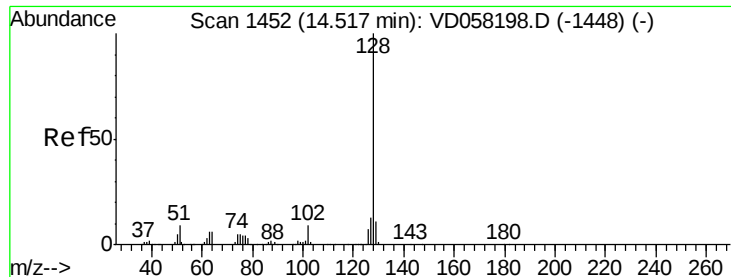
#94
 Hexachlorobutadiene
 Concen: 20.599 ug/l
 RT: 14.43 min Scan# 1443
 Delta R.T. -0.01 min
 Lab File: VD058207.D
 Acq: 20 Jun 2018 13:44

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: 21.308 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 :

VD0620SBS02

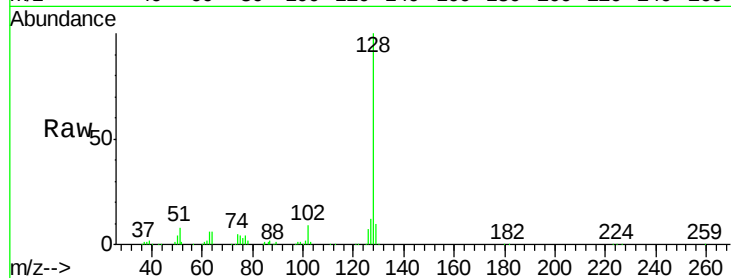
Tot Ion:128 Resp: 374075

Ion Ratio Lower Upper

128 100

127 12.3 10.0 15.0

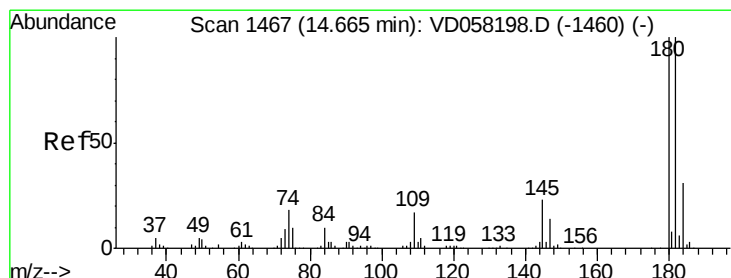
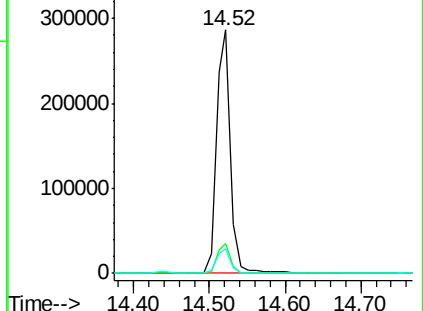
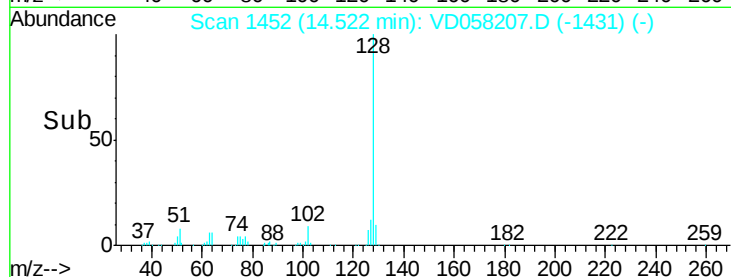
129 10.1 8.7 13.1



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: 21.256 ug/l

RT: 14.66 min Scan# 1466

Delta R.T. -0.01 min

Lab File: VD058207.D

Acq: 20 Jun 2018 13:44

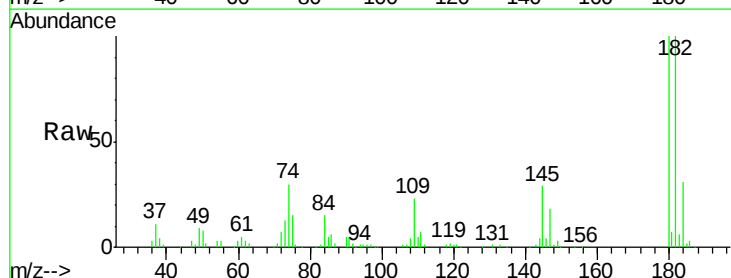
Tgt Ion:180 Resp: 248008

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

