

Data Path : Z:\VOASRV\HPCHEM1\MSVOA D\DATA\VD060818\
 Data File : VD058025.D
 Acq On : 8 Jun 2018 18:38
 Operator : VA/AP
 Sample : J3240-01
 Misc : 5.68g/5ml/MSVOA D/SOIL
 ALS Vial : 40 Sample Multiplier: 1

Instrument :
 MSVOA_D
 ClientSampleId :

Quant Time: Jun 08 23:57:12 2018
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_D\METHOD\82D060618S.M
 Quant Title : SW846 8260
 QLast Update : Thu Jun 07 08:57:33 2018
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Pentafluorobenzene	5.64	168	633363	50.00	ug/l	-0.01
34) 1,4-Difluorobenzene	6.68	114	824691	50.00	ug/l	-0.02
63) Chlorobenzene-d5	10.68	117	589490	50.00	ug/l	-0.01
72) 1,4-Dichlorobenzene-d4	12.90	152	231976	50.00	ug/l	-0.01

System Monitoring Compounds	R.T.	QIon	Response	Conc	Units	Dev(Min)
33) 1,2-Dichloroethane-d4	6.01	65	377780	59.66	ug/l	-0.01
Spiked Amount 50.000			Recovery	=	119.32%	
35) Dibromofluoromethane	5.54	113	396919	62.21	ug/l	-0.02
Spiked Amount 50.000			Recovery	=	124.42%	
50) Toluene-d8	8.70	98	736647	48.56	ug/l	-0.01
Spiked Amount 50.000			Recovery	=	97.12%	
62) 4-Bromofluorobenzene	11.93	95	286247	43.26	ug/l	0.00
Spiked Amount 50.000			Recovery	=	86.52%	

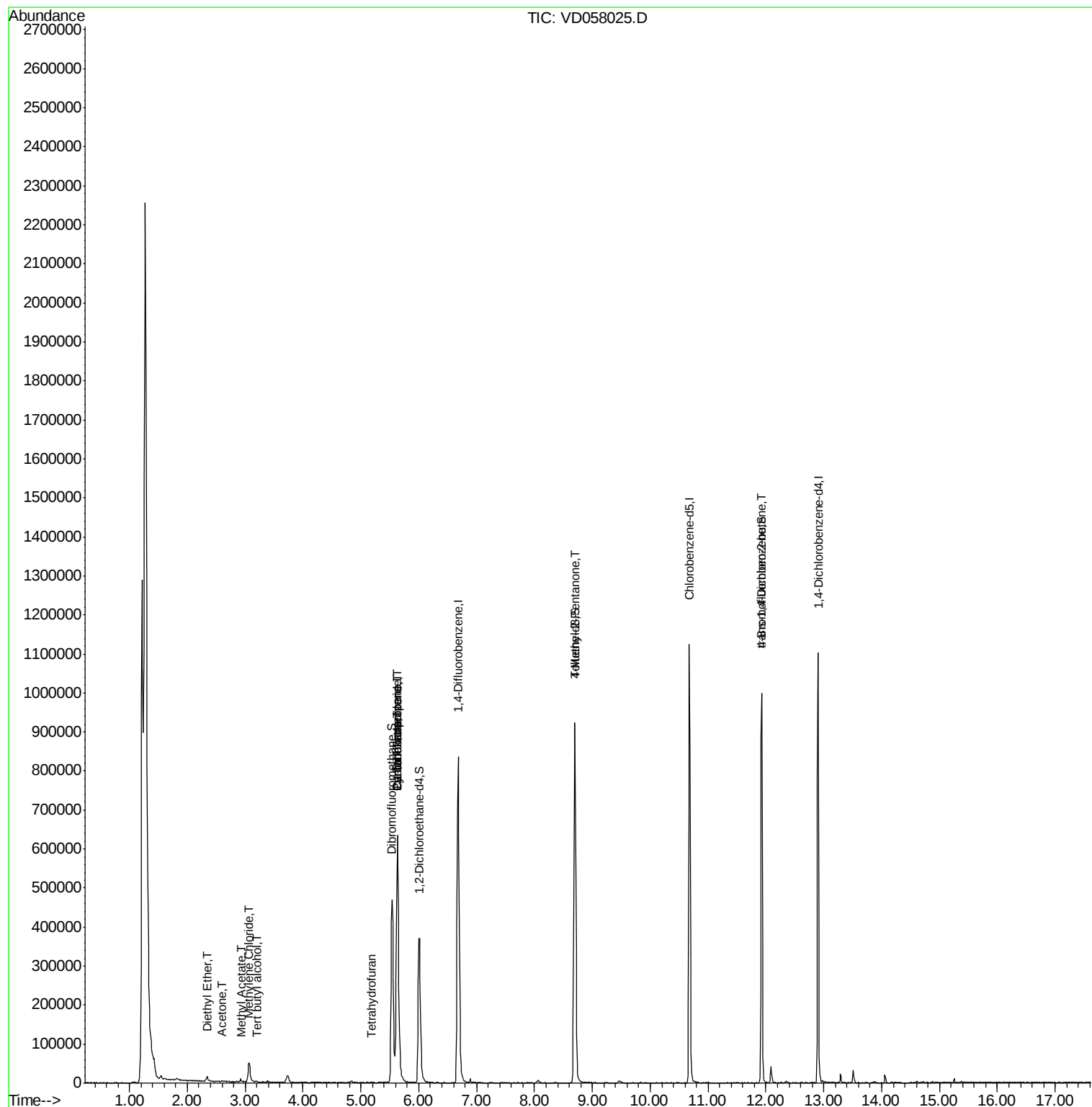
Target Compounds	R.T.	QIon	Response	Conc	Units	Qvalue
8) Diethyl Ether	2.34	74	3977	3.865	ug/l	99
11) Tert butyl alcohol	3.21	59	202	1.191	ug/l #	74
16) Acetone	2.61	43	2422	2.655	ug/l #	57
18) Methyl Acetate	2.94	43	4198	2.379	ug/l #	66
20) Methylene Chloride	3.07	84	24712	4.053	ug/l	93
29) Tetrahydrofuran	5.17	42	1833	1.687	ug/l #	39
31) Cyclohexane	5.63	56	16343	1.484	ug/l #	3
36) 1,1-Dichloropropene	5.63	75	56758	6.247	ug/l #	50
38) Carbon Tetrachloride	5.63	117	53611	5.987	ug/l #	16
51) 4-Methyl-2-Pentanone	8.70	43	4826	1.159	ug/l #	1
81) trans-1,4-Dichloro-2-buten	11.92	75	136841	158.549	ug/l #	6
82) 4-Chlorotoluene	12.32	91	304	Below Cal	#	50
89) n-Butylbenzene	13.19	91	189	Below Cal	#	30

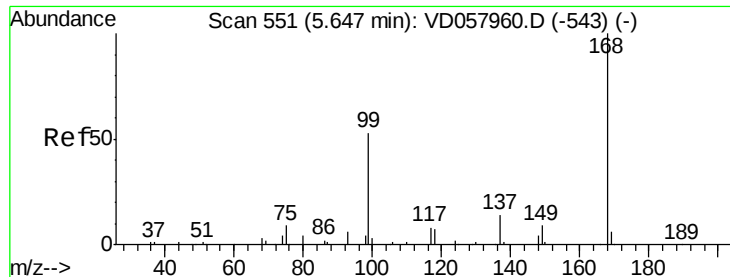
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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Quant Title : SW846 8260
QLast Update : Thu Jun 07 08:57:33 2018
Response via : Initial Calibration





#1

Pentafluorobenzene

Concen: 50.000 ug/l

RT: 5.64 min Scan# 550

Delta R.T. -0.01 min

Lab File: VD058025.D

Acq: 8 Jun 2018 18:38

Instrument :

MSVOA_D

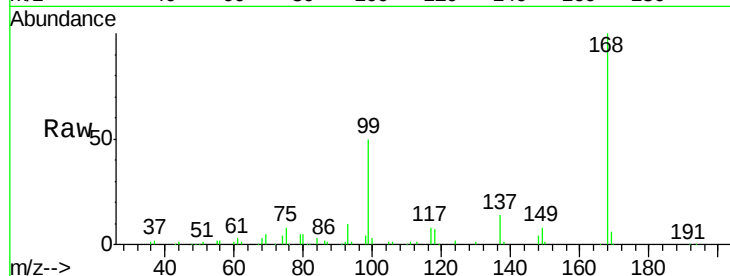
ClientSampled :

Tot Ion:168 Resp: 633363

Ion Ratio Lower Upper

168 100

99 50.4 46.8 70.2



Abundance Ion 167.90 (167.60 to 168.60): V

Ion 98.95 (98.65 to 99.65): VDC

5.64

250000

200000

150000

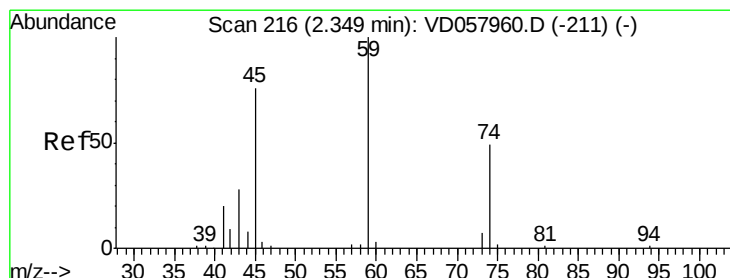
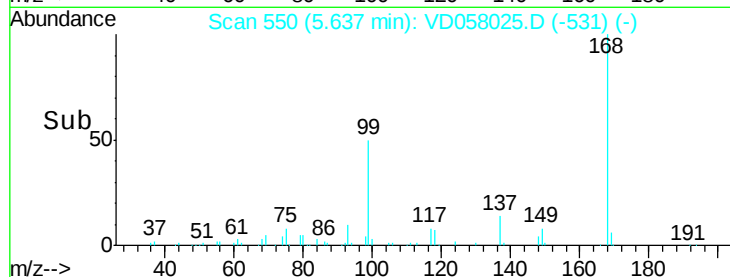
100000

50000

0

Time-->

5.50 5.60 5.70 5.80



#8

Diethyl Ether

Concen: 3.865 ug/l

RT: 2.34 min Scan# 215

Delta R.T. -0.01 min

Lab File: VD058025.D

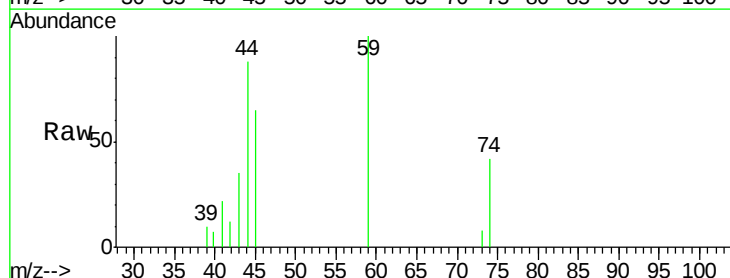
Acq: 8 Jun 2018 18:38

Tgt Ion: 74 Resp: 3977

Ion Ratio Lower Upper

74 100

45 156.1 77.1 231.3



Abundance Ion 74.00 (73.70 to 74.70): VDC

Ion 45.05 (44.75 to 45.75): VDC

2.34

3000

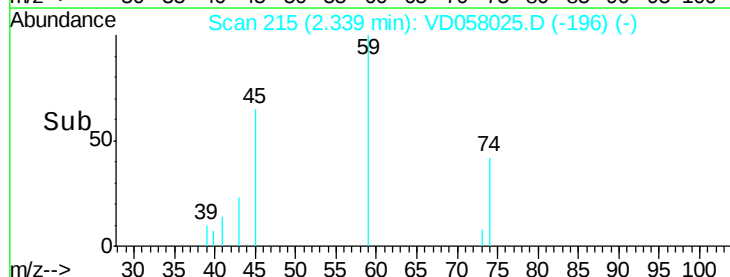
2000

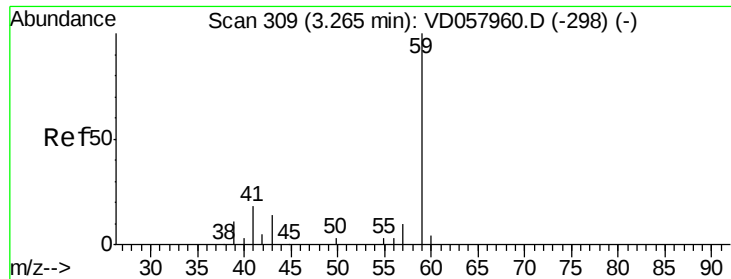
1000

0

Time-->

2.30 2.35 2.40



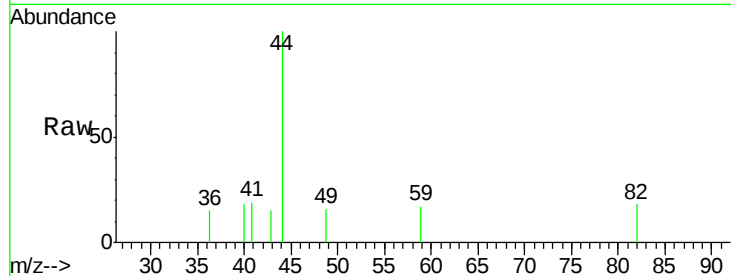


#11

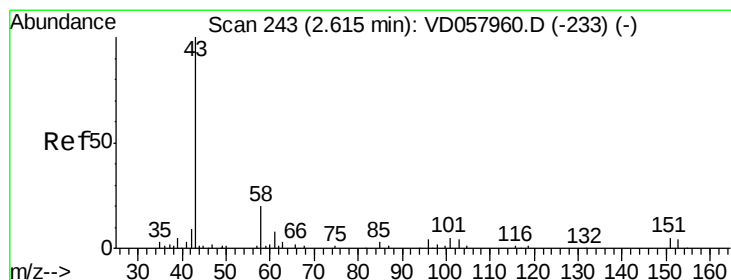
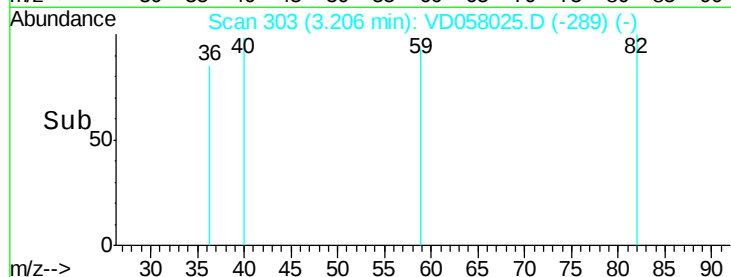
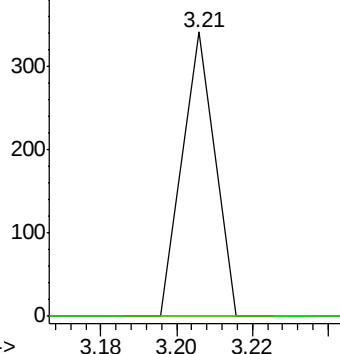
Tert butyl alcohol
 Concen: 1.191 ug/l
 RT: 3.21 min Scan# 303
 Delta R.T. -0.06 min
 Lab File: VD058025.D
 Acq: 8 Jun 2018 18:38

Instrument :
 MSVOA_D
 ClientSampleId :

Tot Ion: 59 Resp: 202
 Ion Ratio Lower Upper
 59 100
 57 0.0 7.8 11.6#



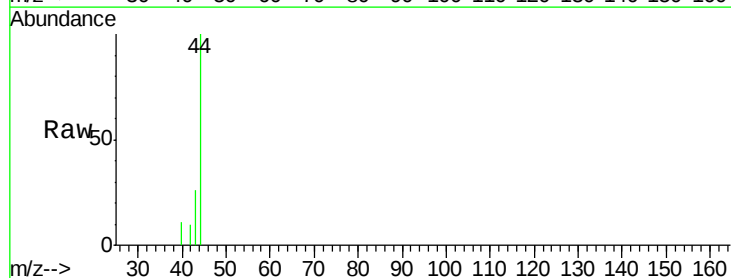
Abundance Ion 58.95 (58.65 to 59.65): VDC
 Ion 56.95 (56.65 to 57.65): VDC



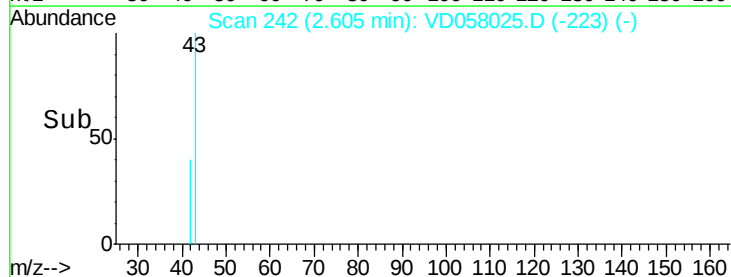
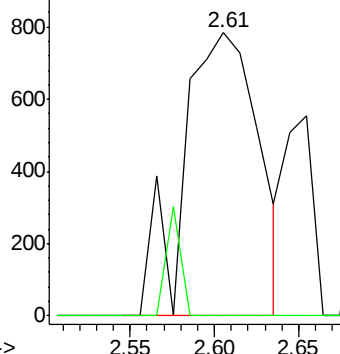
#16

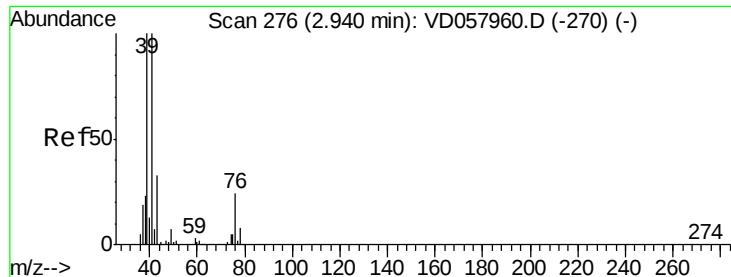
Acetone
 Concen: 2.655 ug/l
 RT: 2.61 min Scan# 242
 Delta R.T. -0.01 min
 Lab File: VD058025.D
 Acq: 8 Jun 2018 18:38

Tgt Ion: 43 Resp: 2422
 Ion Ratio Lower Upper
 43 100
 58 0.0 15.8 23.8#



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





#18

Methvl Acetate

Concen: 2.379 ug/l

RT: 2.94 min Scan# 276

Delta R.T. -0.00 min

Lab File: VD058025.D

Acq: 8 Jun 2018 18:38

Instrument :

MSVOA_D

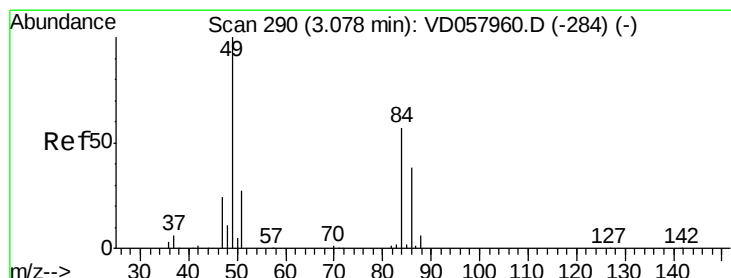
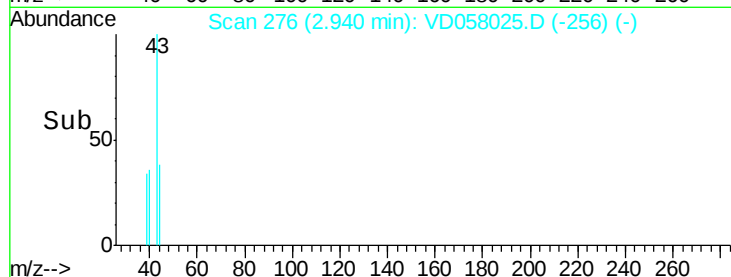
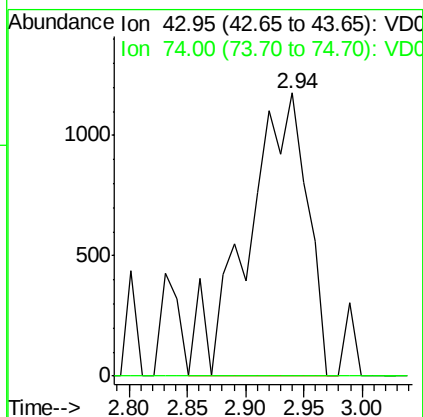
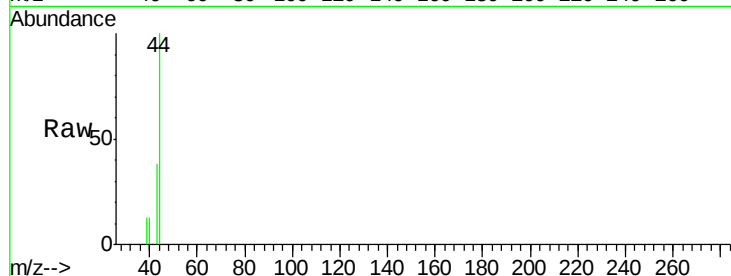
ClientSampleId :

Tot Ion: 43 Resp: 4198

Ion Ratio Lower Upper

43 100

74 0.0 11.2 16.8#



#20

Methylene Chloride

Concen: 4.053 ug/l

RT: 3.07 min Scan# 289

Delta R.T. -0.01 min

Lab File: VD058025.D

Acq: 8 Jun 2018 18:38

Tgt Ion: 84 Resp: 24712

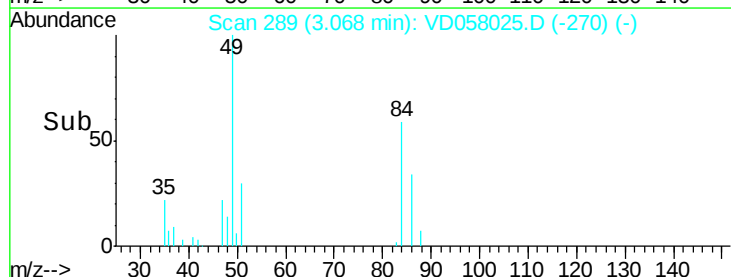
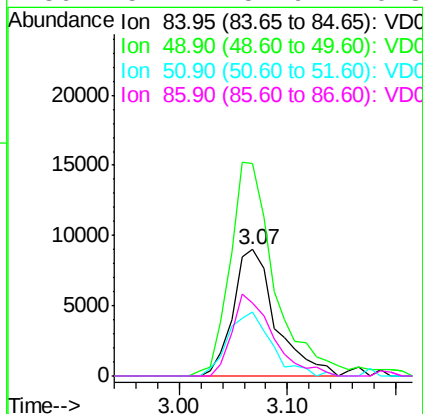
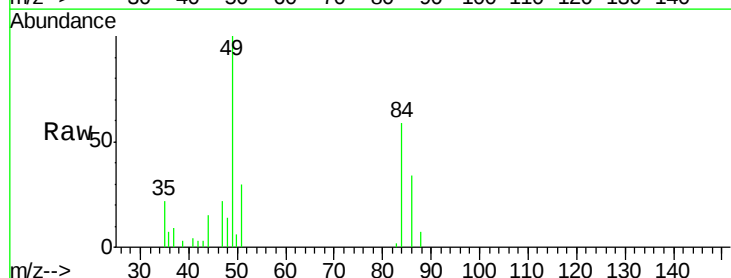
Ion Ratio Lower Upper

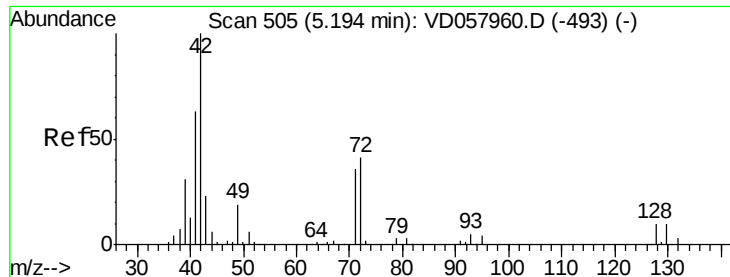
84 100

49 168.2 141.4 212.0

51 50.8 38.3 57.5

86 57.7 52.9 79.3

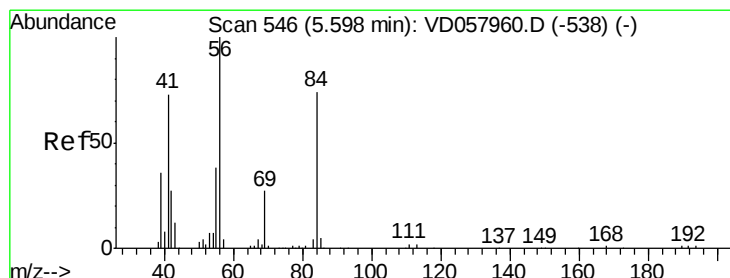
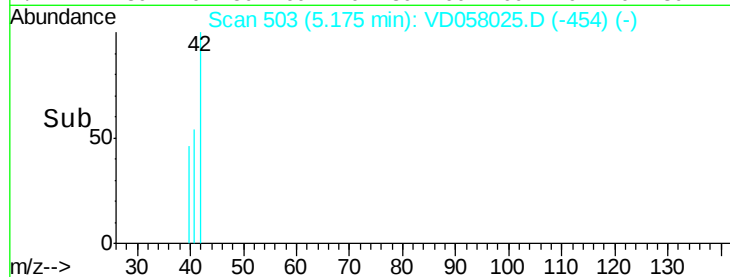
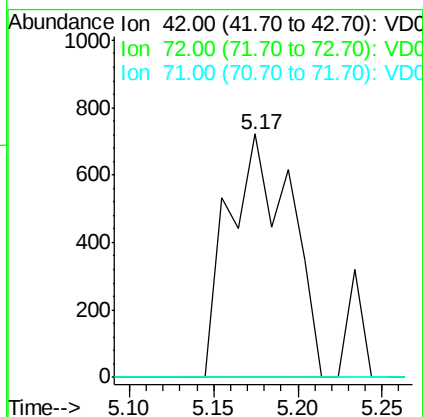
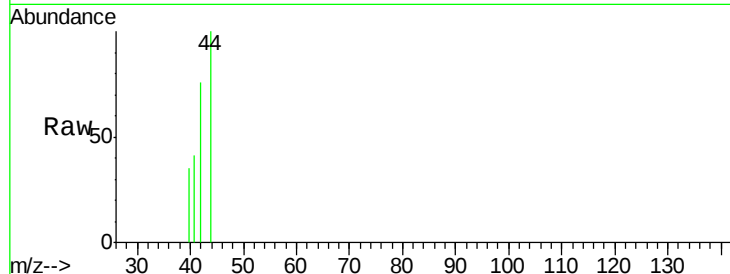




#29
Tetrahydrofuran
Concen: 1.687 ug/l
RT: 5.17 min Scan# 503
Delta R.T. -0.02 min
Lab File: VD058025.D
Acq: 8 Jun 2018 18:38

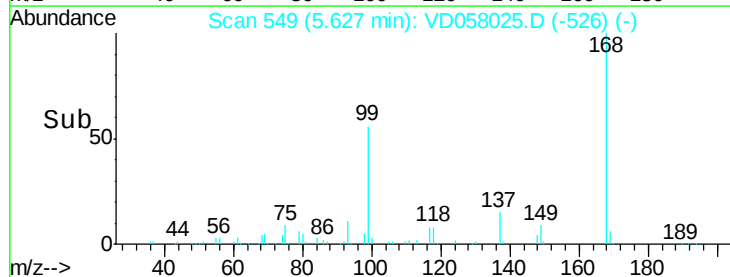
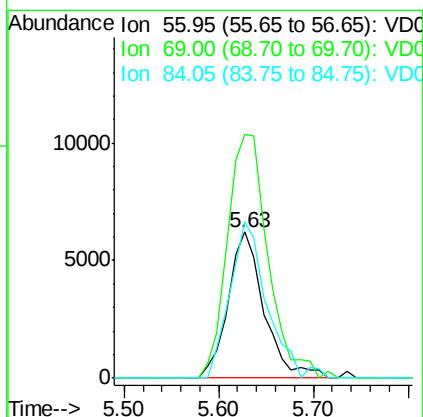
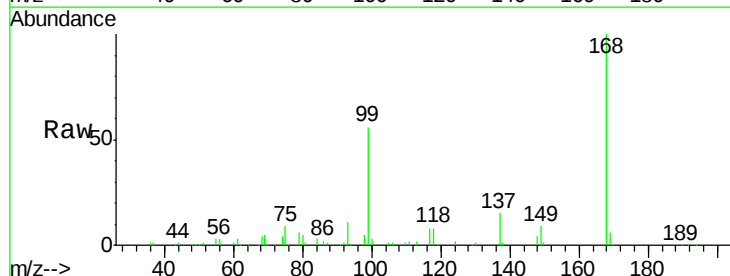
Instrument :
MSVOA_D
ClientSampled :

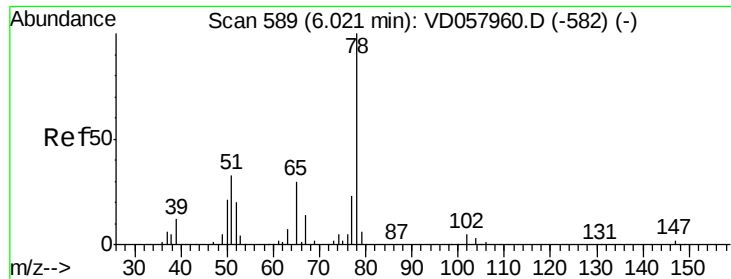
Tot Ion: 42 Resp: 1833
Ion Ratio Lower Upper
42 100
72 0.0 28.5 42.7#
71 0.0 27.9 41.9#



#31
Cyclohexane
Concen: 1.484 ug/l
RT: 5.63 min Scan# 549
Delta R.T. 0.03 min
Lab File: VD058025.D
Acq: 8 Jun 2018 18:38

Tgt Ion: 56 Resp: 16343
Ion Ratio Lower Upper
56 100
69 166.9 21.5 32.3#
84 107.4 61.0 91.6#

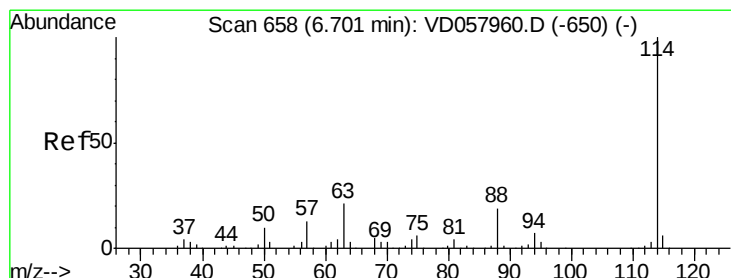
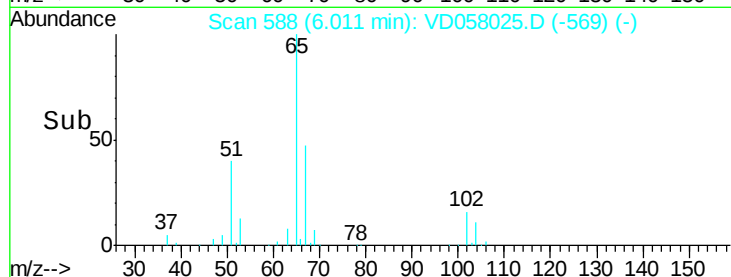
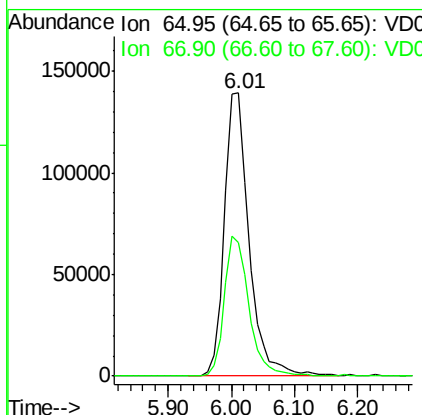
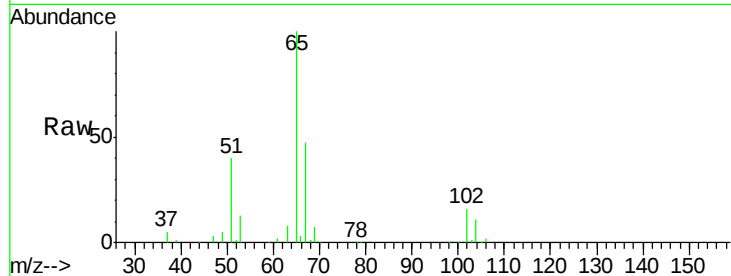




#33
 1,2-Dichloroethane-d4
 Concen: N.D. ug/l
 RT: 6.01 min Scan# 588
 Delta R.T. -0.01 min
 Lab File: VD058025.D
 Acq: 8 Jun 2018 18:38

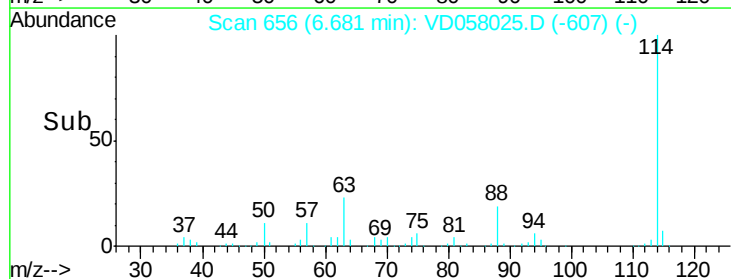
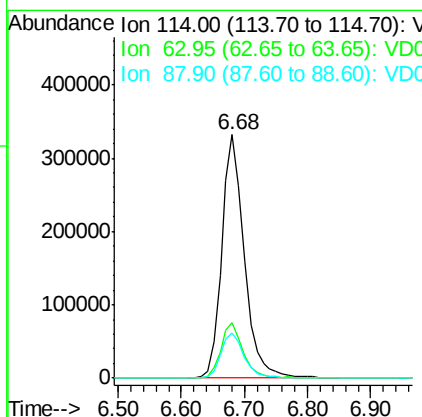
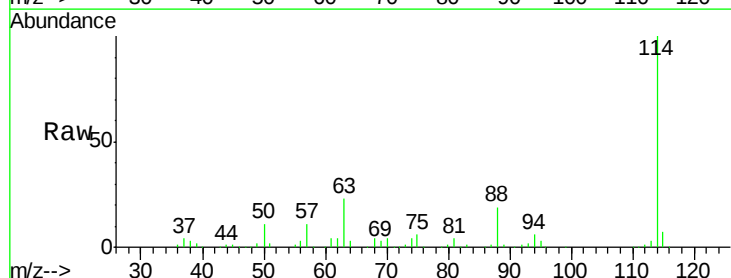
Instrument :
 MSVOA_D
 ClientSampled :

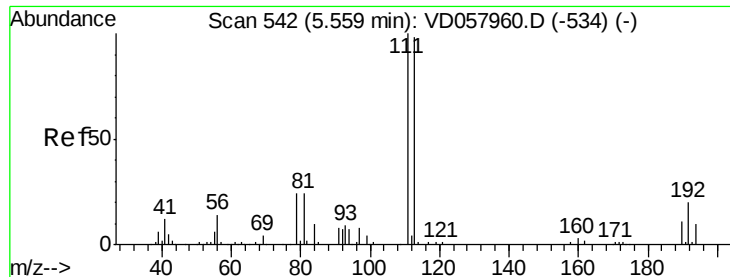
Tot Ion: 65 Resp: 377780
 Ion Ratio Lower Upper
 65 100
 67 47.0 0.0 94.0



#34
 1,4-Difluorobenzene
 Concen: 50.000 ug/l
 RT: 6.68 min Scan# 656
 Delta R.T. -0.02 min
 Lab File: VD058025.D
 Acq: 8 Jun 2018 18:38

Tgt Ion: 114 Resp: 824691
 Ion Ratio Lower Upper
 114 100
 63 22.7 0.0 42.8
 88 18.7 0.0 37.8





#35

Dibromofluoromethane

Concen: 50.000 ug/l

RT: 5.54 min Scan# 540

Delta R.T. -0.02 min

Lab File: VD058025.D

Acq: 8 Jun 2018 18:38

Instrument :

MSVOA_D

ClientSampled :

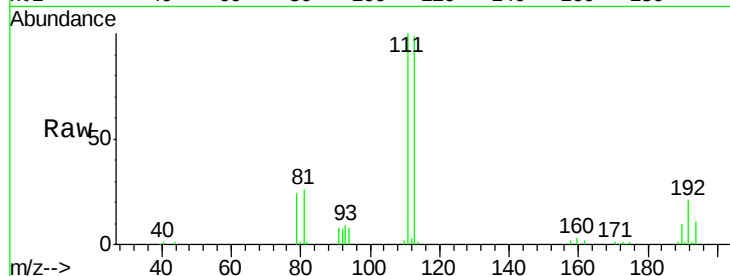
Tot Ion:113 Resp: 396919

Ion Ratio Lower Upper

113 100

111 101.0 81.5 122.3

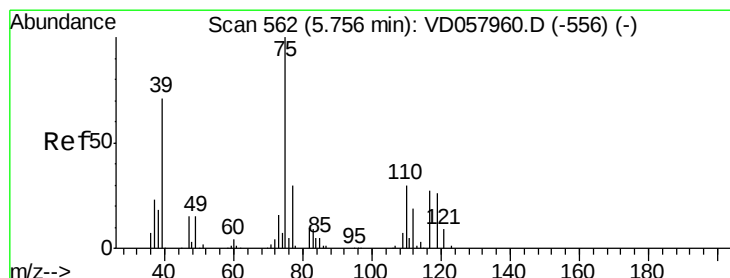
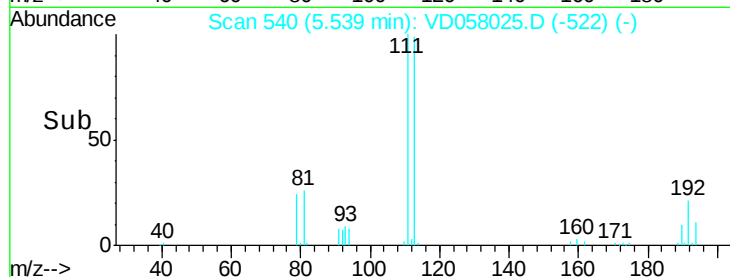
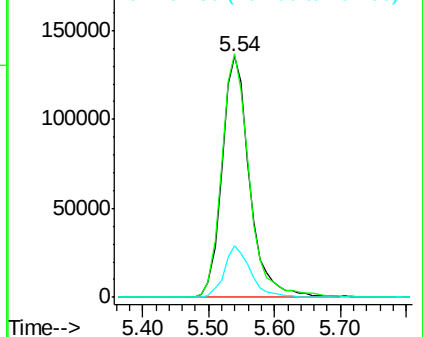
192 21.4 16.4 24.6



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: 6.247 ug/l

RT: 5.63 min Scan# 549

Delta R.T. -0.13 min

Lab File: VD058025.D

Acq: 8 Jun 2018 18:38

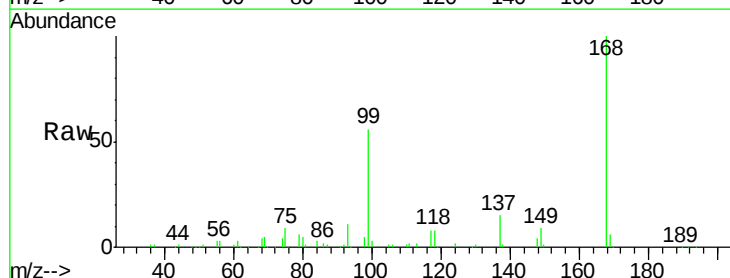
Tgt Ion: 75 Resp: 56758

Ion Ratio Lower Upper

75 100

110 5.8 14.8 44.3#

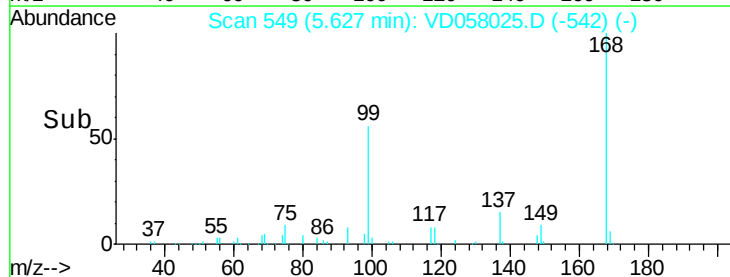
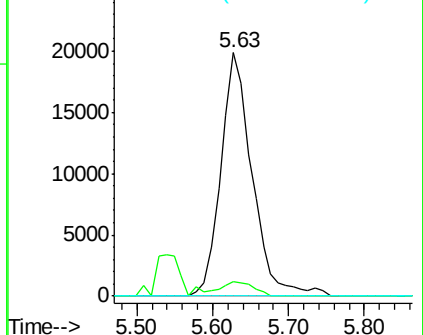
77 0.0 23.9 35.9#

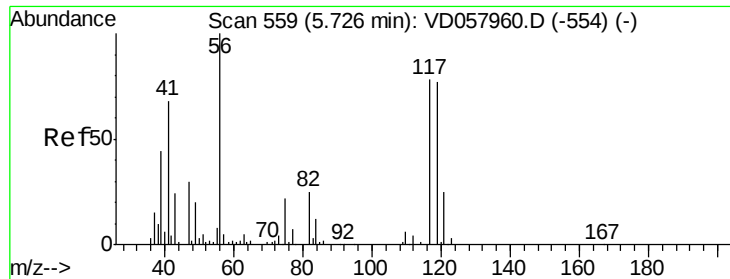


Abundance Ion 75.00 (74.70 to 75.70): VDC

Ion 109.90 (109.60 to 110.60): V

Ion 76.95 (76.65 to 77.65): VDC

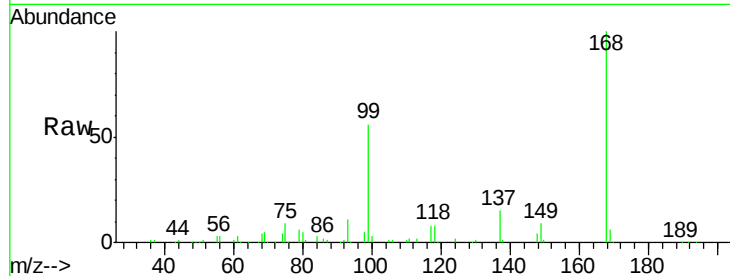




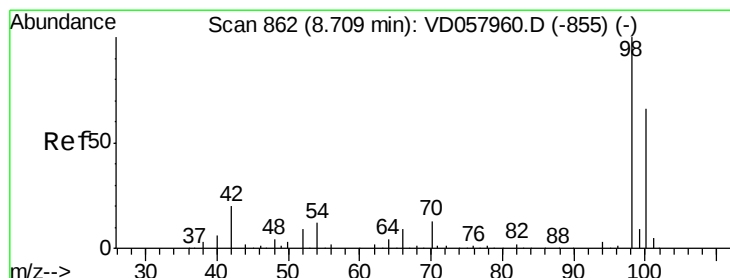
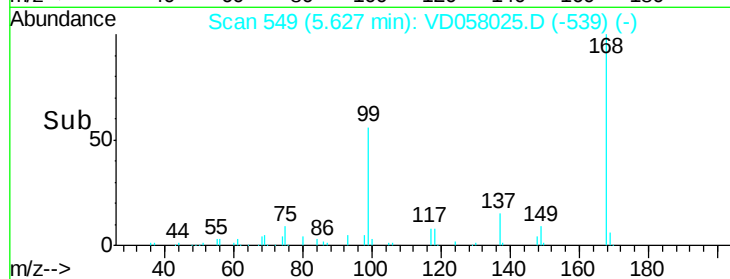
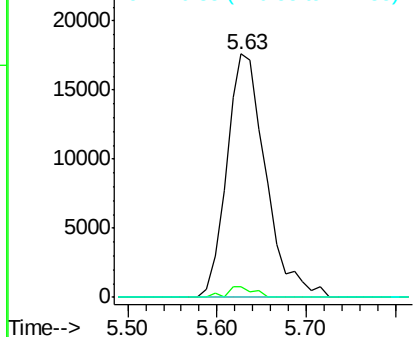
#38
Carbon Tetrachloride
Concen: 5.987 ug/l
RT: 5.63 min Scan# 549
Delta R.T. -0.10 min
Lab File: VD058025.D
Acq: 8 Jun 2018 18:38

Instrument :
MSVOA_D
ClientSampled :

Tot Ion:117 Resp: 53611
Ion Ratio Lower Upper
117 100
119 4.2 76.1 114.1#
121 0.0 24.9 37.3#

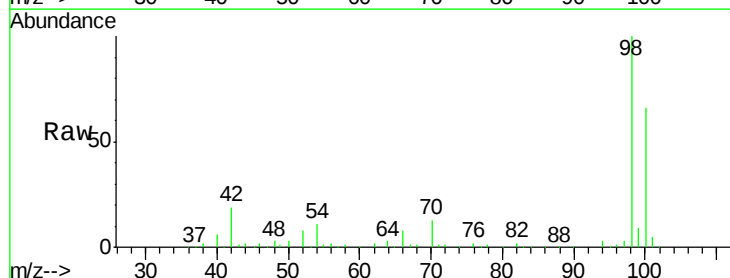


Abundance Ion 116.85 (116.55 to 117.55): V
Ion 118.85 (118.55 to 119.55): V
Ion 120.85 (120.55 to 121.55): V

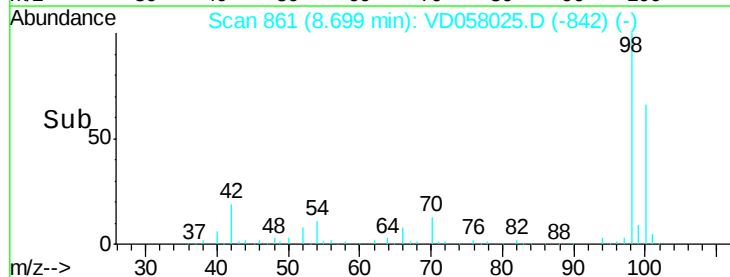
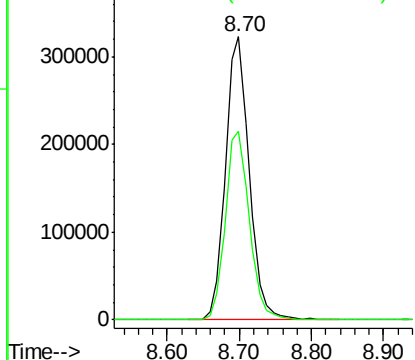


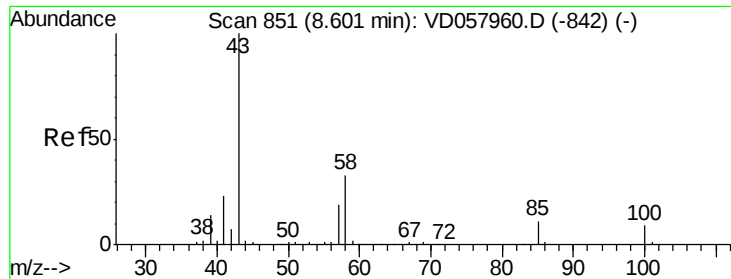
#50
Toluene-d8
Concen: N.D. ug/l
RT: 8.70 min Scan# 861
Delta R.T. -0.01 min
Lab File: VD058025.D
Acq: 8 Jun 2018 18:38

Tgt Ion: 98 Resp: 736647
Ion Ratio Lower Upper
98 100
100 66.5 53.4 80.0



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: 1.159 ug/l

RT: 8.70 min Scan# 861

Delta R.T. 0.10 min

Lab File: VD058025.D

Acq: 8 Jun 2018 18:38

Instrument :

MSVOA_D

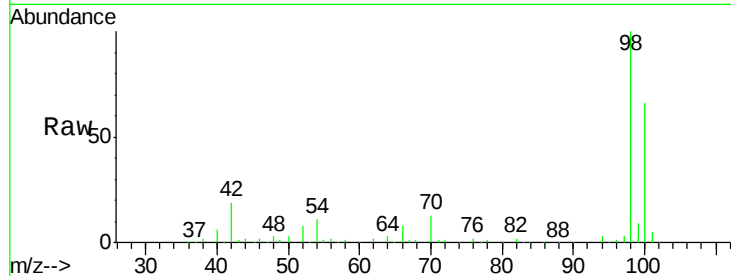
ClientSampleId :

Tot Ion: 43 Resp: 4826

Ion Ratio Lower Upper

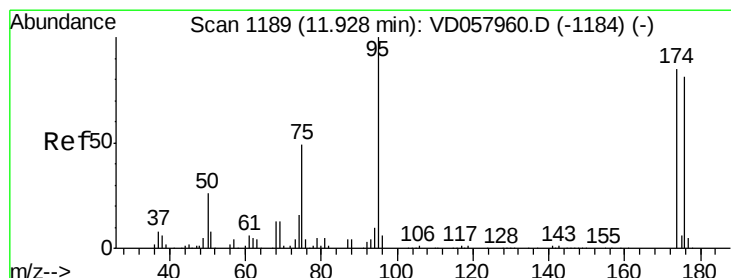
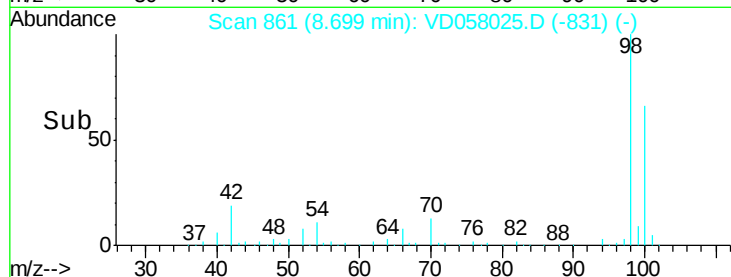
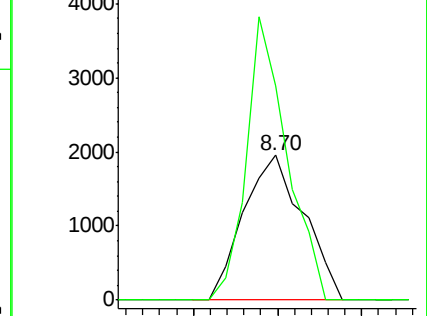
43 100

58 148.4 26.2 39.4#



Abundance Ion 42.95 (42.65 to 43.65): VDC

Ion 57.95 (57.65 to 58.65): VDC



#62

4-Bromofluorobenzene

Concen: N.D. ug/l

RT: 11.93 min Scan# 1189

Delta R.T. -0.00 min

Lab File: VD058025.D

Acq: 8 Jun 2018 18:38

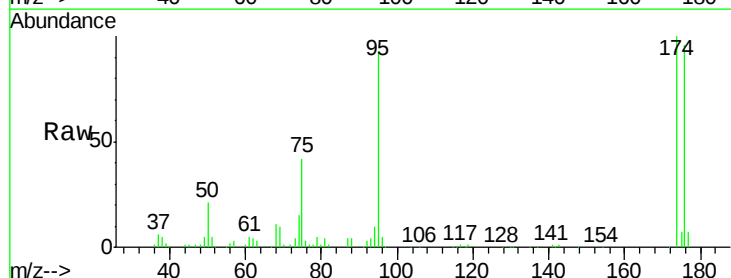
Tgt Ion: 95 Resp: 286247

Ion Ratio Lower Upper

95 100

174 107.3 0.0 169.4

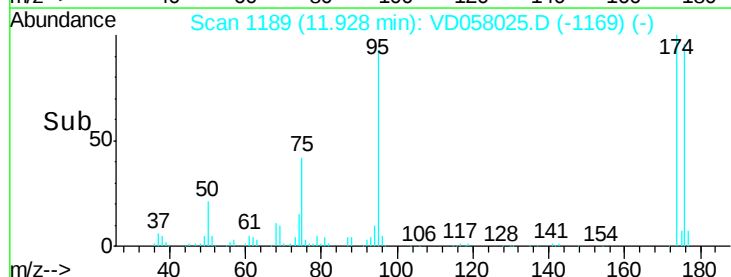
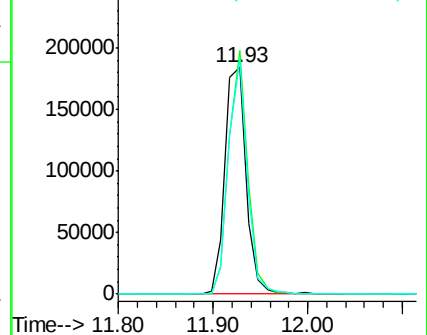
176 103.4 0.0 162.6

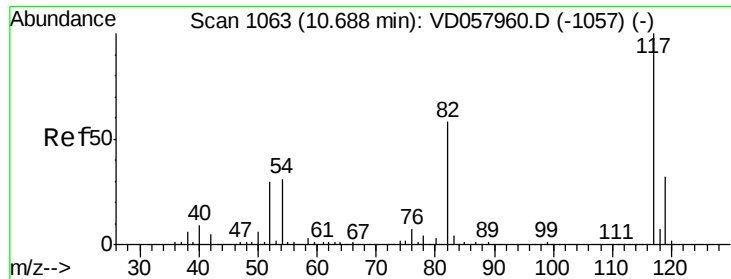


Abundance Ion 95.00 (94.70 to 95.70): VDC

Ion 173.90 (173.60 to 174.60): V

Ion 175.90 (175.60 to 176.60): V

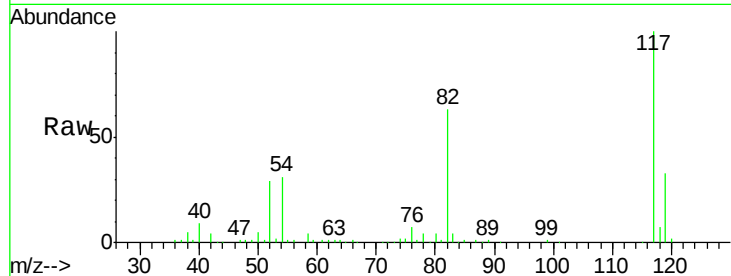




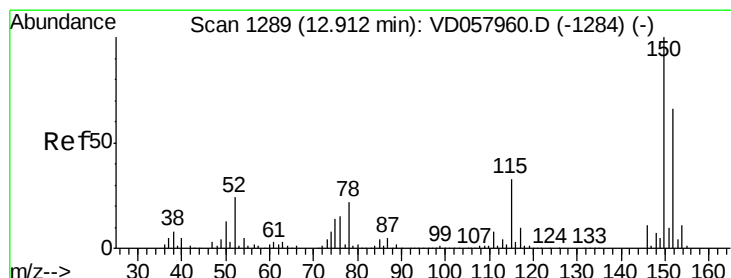
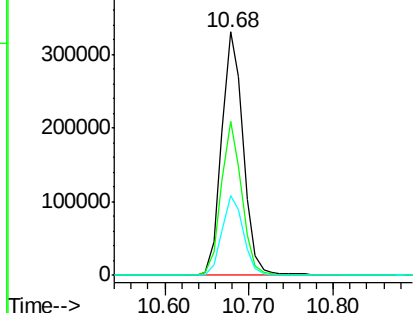
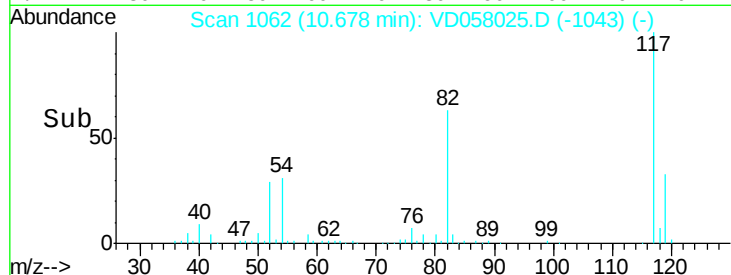
#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 10.68 min Scan# 1062
Delta R.T. -0.01 min
Lab File: VD058025.D
Acq: 8 Jun 2018 18:38

Instrument :
MSVOA_D
ClientSampled :

Tot Ion:117 Resp: 589490
Ion Ratio Lower Upper
117 100
82 63.4 46.8 70.2
119 32.5 25.8 38.6

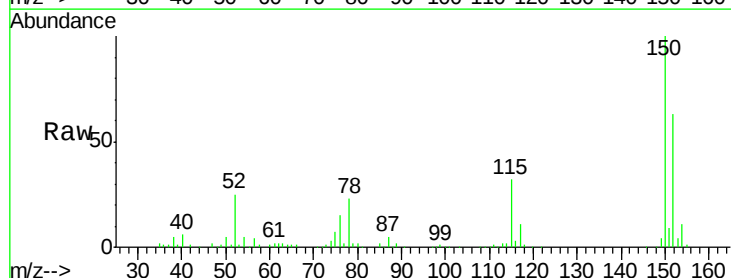


Abundance Ion 116.95 (116.65 to 117.65): V
Ion 82.05 (81.75 to 82.75): V
Ion 118.95 (118.65 to 119.65): V

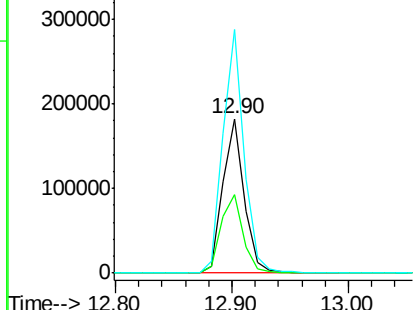
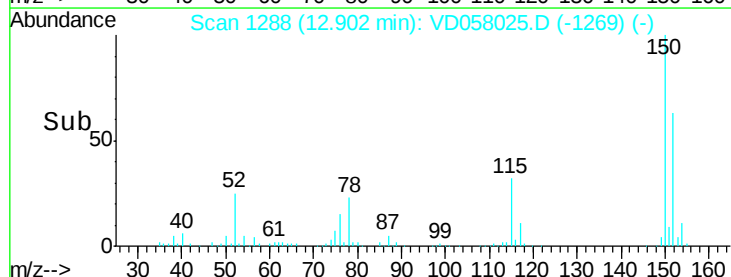


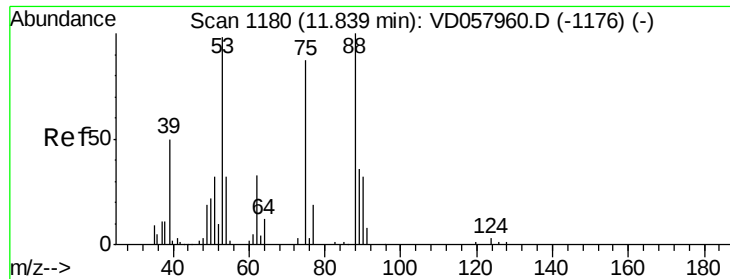
#72
1,4-Dichlorobenzene-d4
Concen: 50.000 ug/l
RT: 12.90 min Scan# 1288
Delta R.T. -0.01 min
Lab File: VD058025.D
Acq: 8 Jun 2018 18:38

Tgt Ion:152 Resp: 231976
Ion Ratio Lower Upper
152 100
115 51.3 25.6 76.6
150 157.9 0.0 306.8



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





#81

trans-1,4-Dichloro-2-butene

Concen: 158.549 ug/l

RT: 11.92 min Scan# 1188

Delta R.T. 0.08 min

Lab File: VD058025.D

Acq: 8 Jun 2018 18:38

Instrument :

MSVOA_D

ClientSampleId :

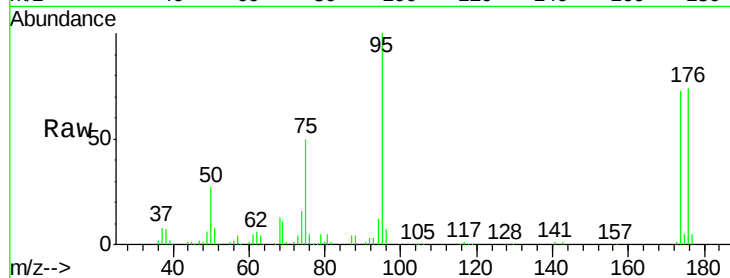
Tot Ion: 75 Resp: 136841

Ion Ratio Lower Upper

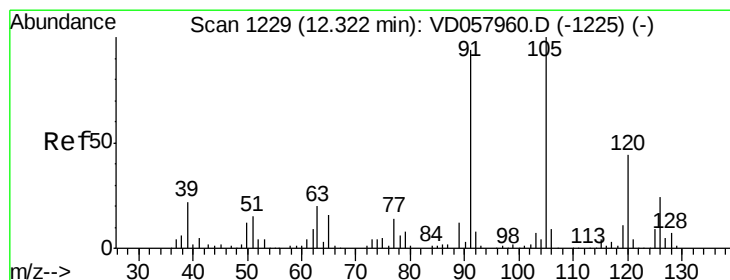
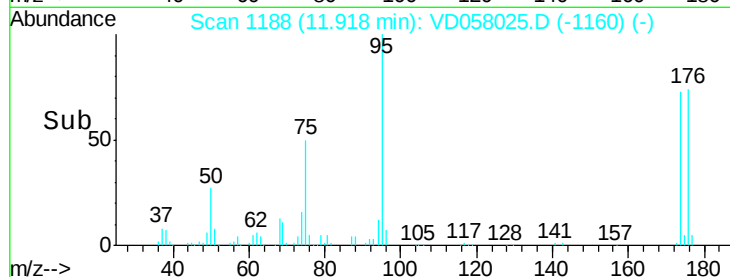
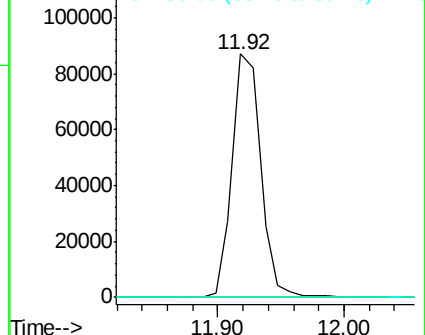
75 100

53 0.0 89.3 133.9#

89 0.0 33.3 49.9#



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: Below Cal

RT: 12.32 min Scan# 1229

Delta R.T. 0.00 min

Lab File: VD058025.D

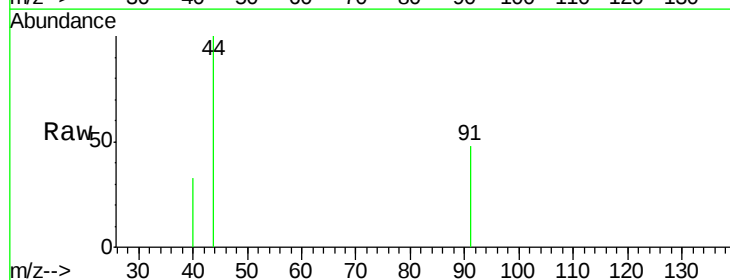
Acq: 8 Jun 2018 18:38

Tgt Ion: 91 Resp: 304

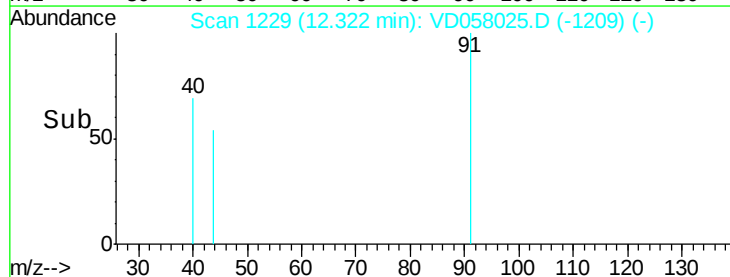
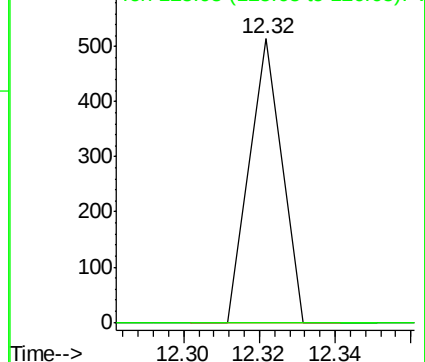
Ion Ratio Lower Upper

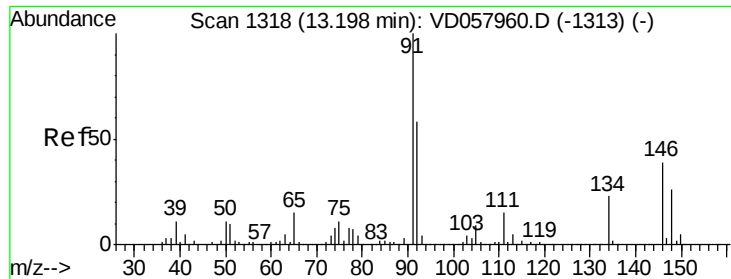
91 100

126 0.0 12.5 37.5#



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





#89

n-Butylbenzene

Concen: Below Cal

RT: 13.19 min Scan# 1317

Delta R.T. -0.01 min

Lab File: VD058025.D

Acq: 8 Jun 2018 18:38

Instrument :

MSVOA_D

ClientSampleId :

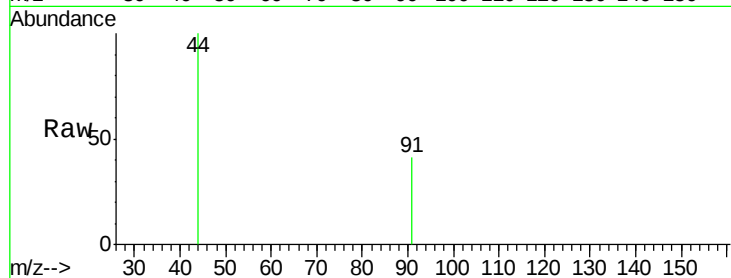
Tot Ion: 91 Resp: 189

Ion Ratio Lower Upper

91 100

92 0.0 29.2 87.6#

134 0.0 11.3 33.9#



Abundance Ion 91.00 (90.70 to 91.70): VDC

Ion 92.00 (91.70 to 92.70): VDC

Ion 134.10 (133.80 to 134.80): V

