

Data Path : Z:\VOASRV\HPCHEM1\MSVOA D\DATA\VD061818\
 Data File : VD058180.D
 Acq On : 18 Jun 2018 14:45
 Operator : VA/AP
 Sample : J3518-02RE
 Misc : 6.50g/5ml/MSVOA D/SOIL
 ALS Vial : 7 Sample Multiplier: 1

Instrument :
 MSVOA_D
 ClientSampleId :

Quant Time: Jun 19 05:48:57 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	5.63	168	675492	50.00	ug/l	-0.02
34) 1,4-Difluorobenzene	6.68	114	867933	50.00	ug/l	-0.02
63) Chlorobenzene-d5	10.69	117	680116	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	12.90	152	301286	50.00	ug/l	0.00

System Monitoring Compounds	R.T.	QIon	Response	Conc	Units	Dev(Min)
33) 1,2-Dichloroethane-d4	6.01	65	361704	53.56	ug/l	0.00
Spiked Amount			Recovery	=	107.12%	
35) Dibromofluoromethane	5.54	113	375151	55.87	ug/l	-0.02
Spiked Amount			Recovery	=	111.74%	
50) Toluene-d8	8.70	98	805485	50.45	ug/l	0.00
Spiked Amount			Recovery	=	100.90%	
62) 4-Bromofluorobenzene	11.93	95	306022	43.94	ug/l	0.00
Spiked Amount			Recovery	=	87.88%	

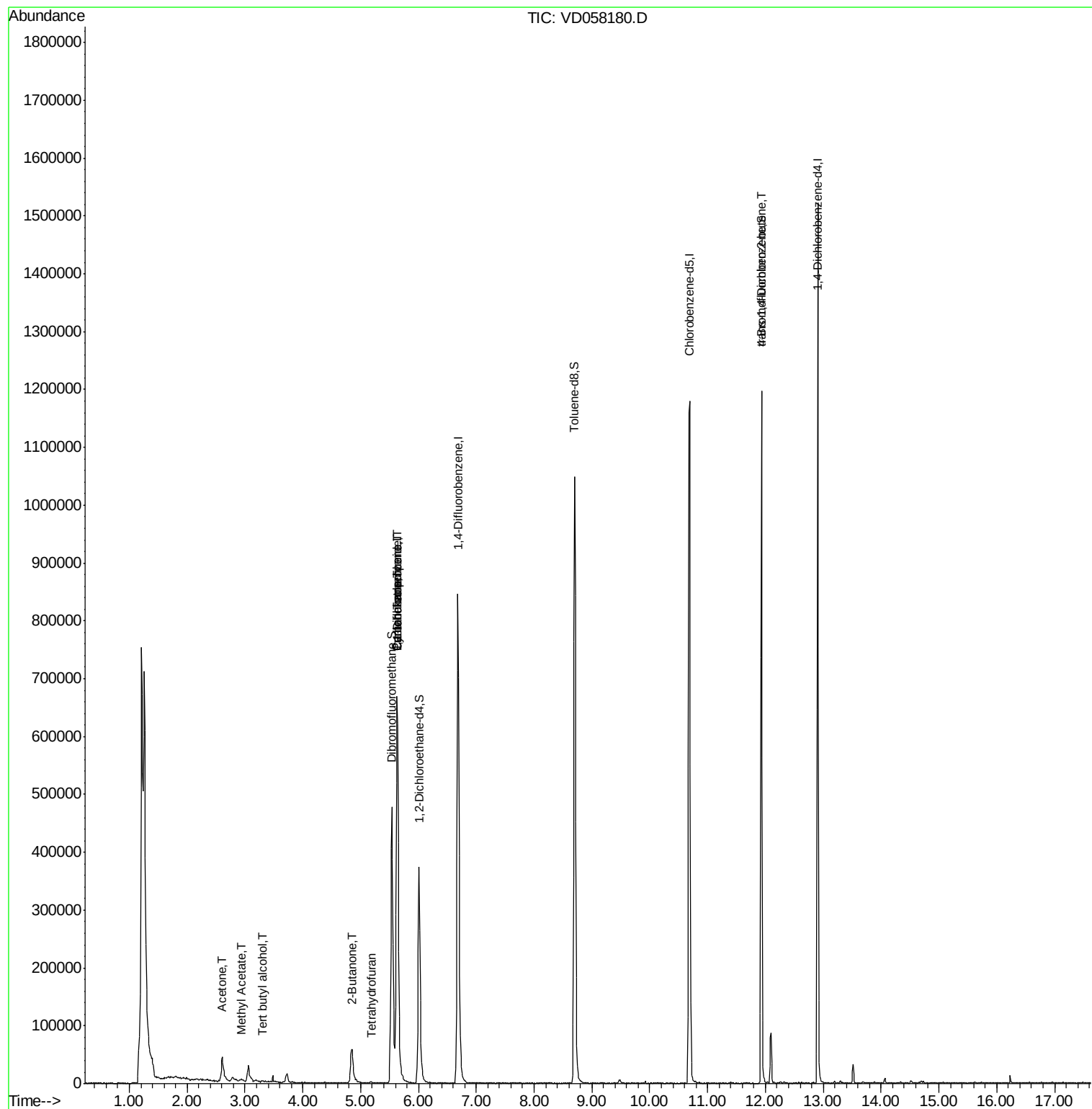
Target Compounds	R.T.	QIon	Response	Conc	Units	Qvalue
11) Tert butyl alcohol	3.30	59	607	3.355	ug/l #	74
16) Acetone	2.61	43	83060	85.368	ug/l	94
18) Methyl Acetate	2.92	43	8510	4.521	ug/l #	88
20) Methylene Chloride	3.06	84	12783	Below Cal		96
25) 2-Butanone	4.84	43	7731	3.496	ug/l #	64
29) Tetrahydrofuran	5.20	42	1701	1.468	ug/l #	50
31) Cyclohexane	5.63	56	15554	1.325	ug/l #	1
36) 1,1-Dichloropropene	5.64	75	52815	5.523	ug/l #	51
38) Carbon Tetrachloride	5.63	117	54092	5.740	ug/l #	16
81) trans-1,4-Dichloro-2-buten	11.93	75	149397	133.276	ug/l #	6
82) 4-Chlorotoluene	12.32	91	1221	Below Cal	#	50
89) n-Butylbenzene	13.20	91	983	Below Cal	#	74

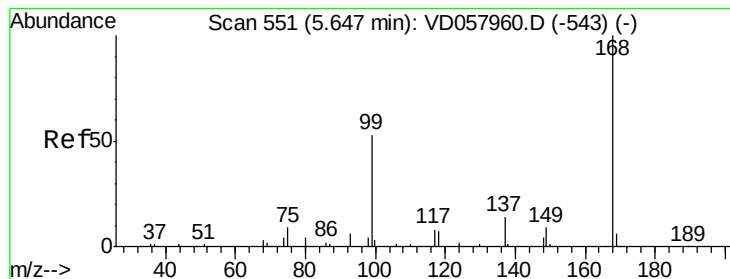
(#) = qualifier out of range (m) = manual integration (+) = signals summed

Data Path : Z:\V0ASRV\HPCHEM1\MSVOA D\DATA\VD061818\
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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: 5.63 min Scan# 549

Delta R.T. -0.02 min

Lab File: VD058180.D

Acq: 18 Jun 2018 14:45

Instrument :

MSVOA_D

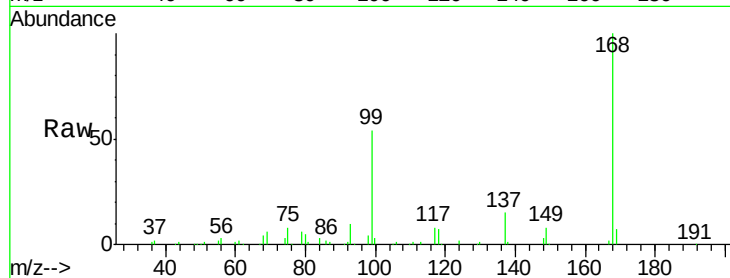
ClientSampleId :

Tot Ion:168 Resp: 675492

Ion Ratio Lower Upper

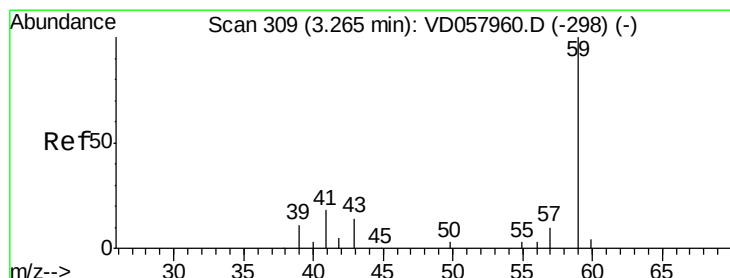
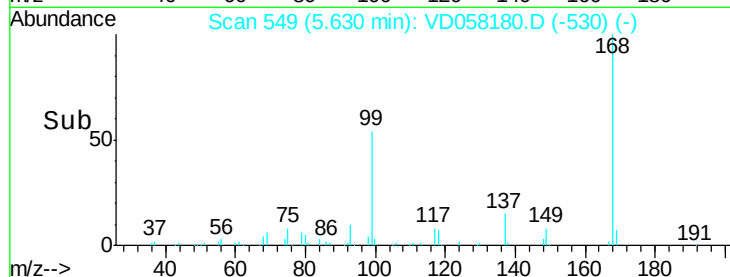
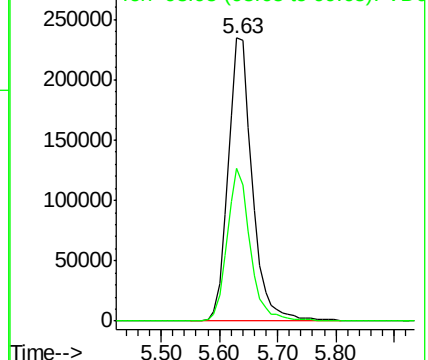
168 100

99 54.0 46.8 70.2



Abundance Ion 167.90 (167.60 to 168.60): V

Ion 98.95 (98.65 to 99.65): VDC



#11

Tert butyl alcohol

Concen: 3.355 ug/l

RT: 3.30 min Scan# 312

Delta R.T. 0.03 min

Lab File: VD058180.D

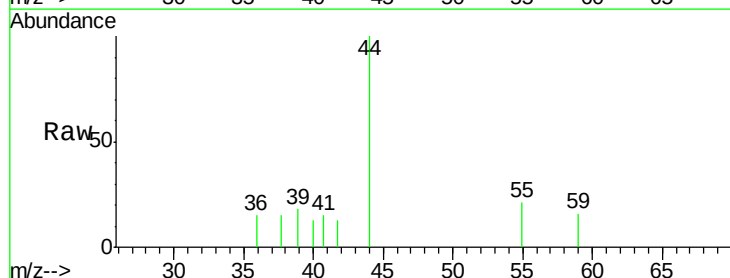
Acq: 18 Jun 2018 14:45

Tgt Ion: 59 Resp: 607

Ion Ratio Lower Upper

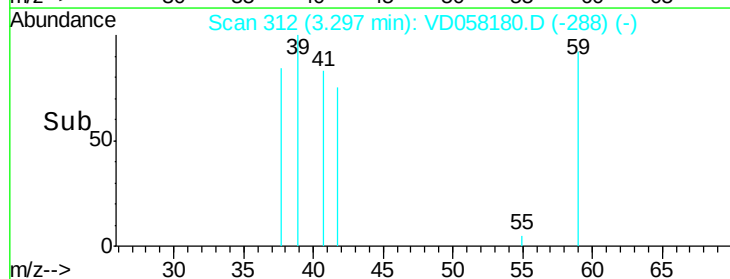
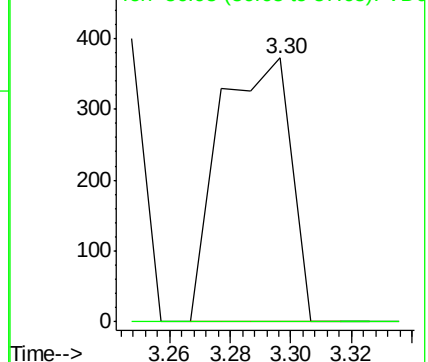
59 100

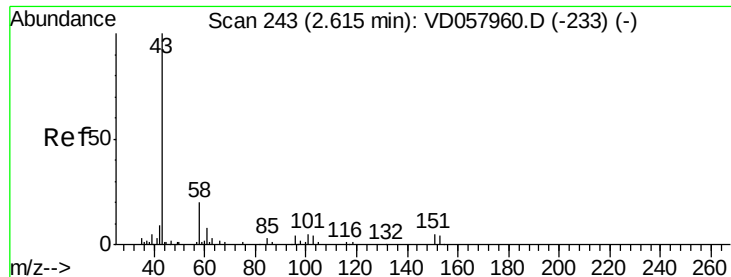
57 0.0 7.8 11.6#



Abundance Ion 58.95 (58.65 to 59.65): VDC

Ion 56.95 (56.65 to 57.65): VDC

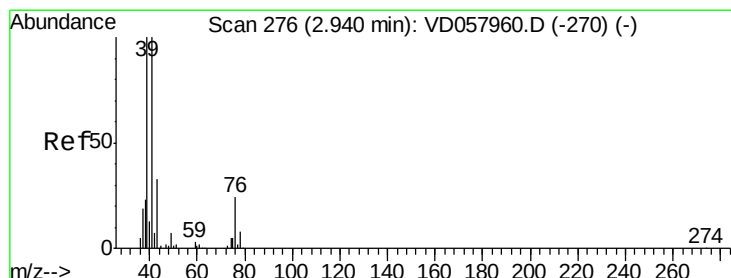
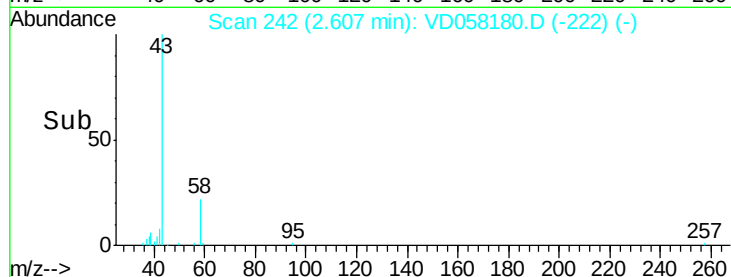
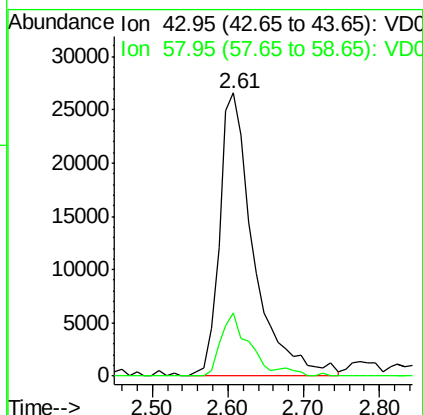
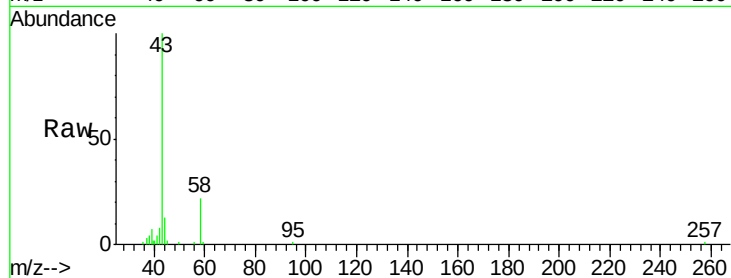




#16
Acetone
Concen: 85.368 ug/l
RT: 2.61 min Scan# 242
Delta R.T. -0.01 min
Lab File: VD058180.D
Acq: 18 Jun 2018 14:45

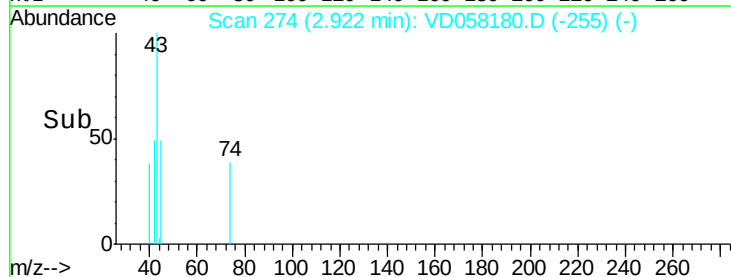
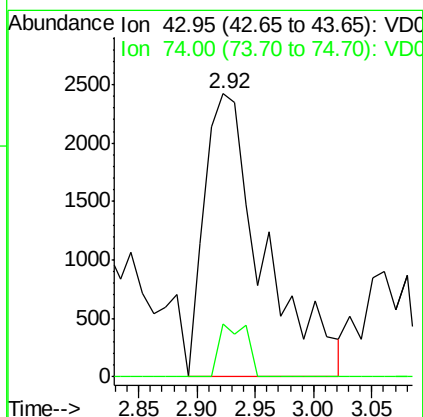
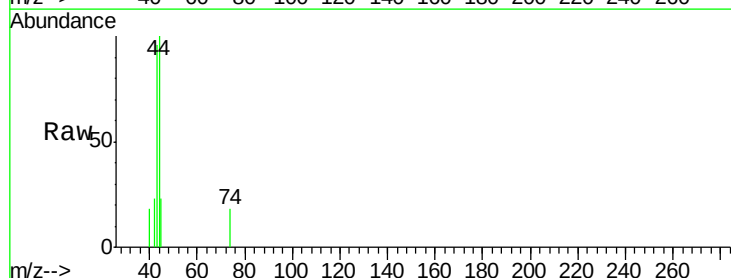
Instrument :
MSVOA_D
ClientSampleId :

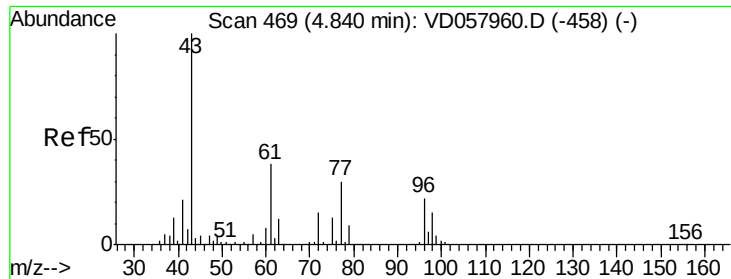
Tot Ion: 43 Resp: 83060
Ion Ratio Lower Upper
43 100
58 22.4 15.8 23.8



#18
Methyl Acetate
Concen: 4.521 ug/l
RT: 2.92 min Scan# 274
Delta R.T. -0.02 min
Lab File: VD058180.D
Acq: 18 Jun 2018 14:45

Tgt Ion: 43 Resp: 8510
Ion Ratio Lower Upper
43 100
74 18.8 11.2 16.8#





#25

2-Butanone

Concen: 3.496 ug/l

RT: 4.84 min Scan# 469

Delta R.T. 0.00 min

Lab File: VD058180.D

Acq: 18 Jun 2018 14:45

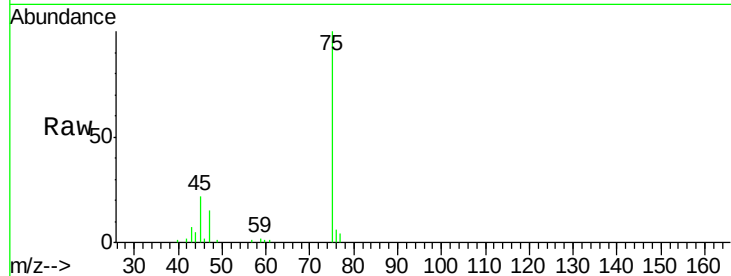
Instrument :
MSVOA_D
ClientSampleId :

Tot Ion: 43 Resp: 7731

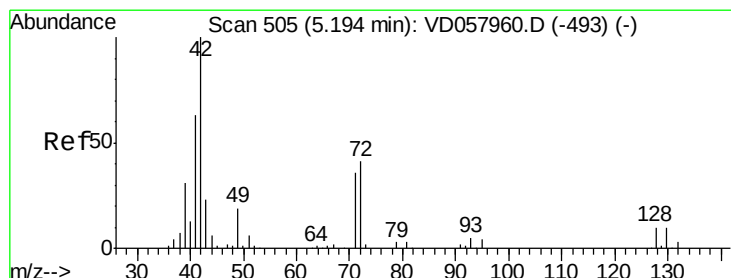
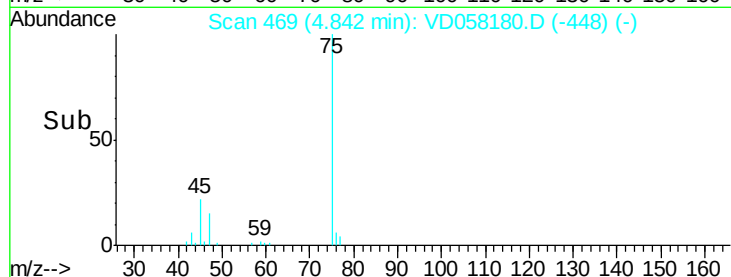
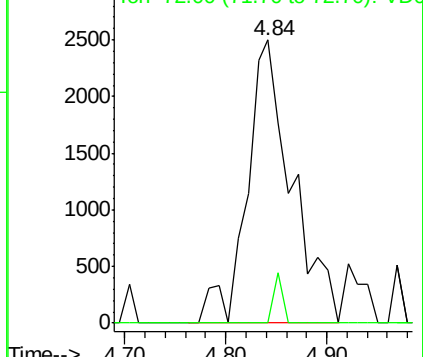
Ion Ratio Lower Upper

43 100

72 0.0 12.0 18.0#



Abundance Ion 42.95 (42.65 to 43.65): VDC
Ion 72.00 (71.70 to 72.70): VDC



#29

Tetrahydrofuran

Concen: 1.468 ug/l

RT: 5.20 min Scan# 505

Delta R.T. 0.00 min

Lab File: VD058180.D

Acq: 18 Jun 2018 14:45

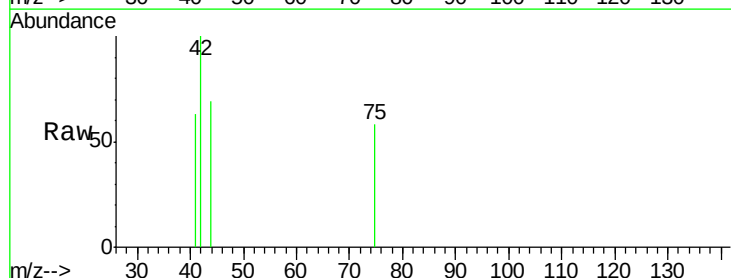
Tgt Ion: 42 Resp: 1701

Ion Ratio Lower Upper

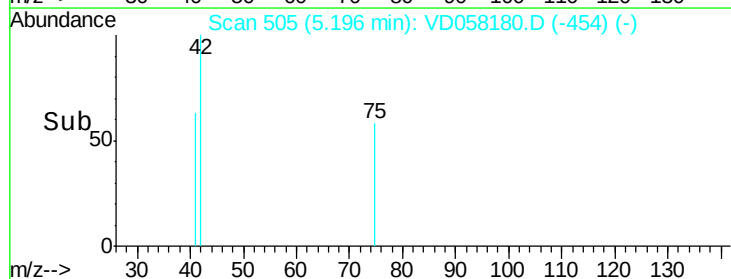
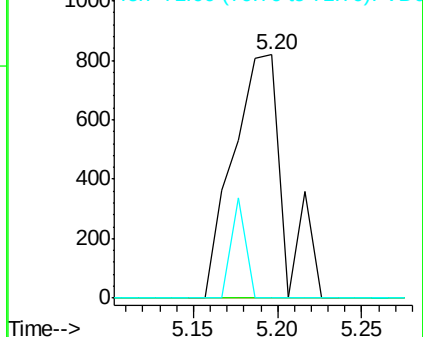
42 100

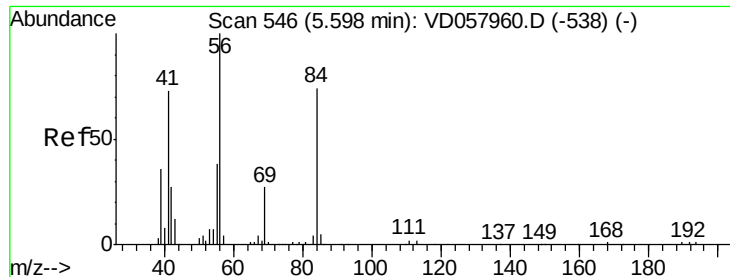
72 0.0 28.5 42.7#

71 11.8 27.9 41.9#



Abundance Ion 42.00 (41.70 to 42.70): VDC
Ion 72.00 (71.70 to 72.70): VDC
Ion 71.00 (70.70 to 71.70): VDC

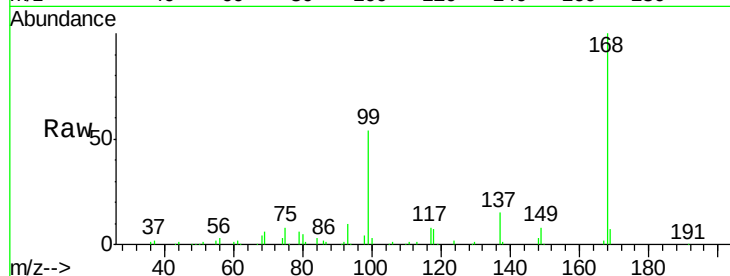




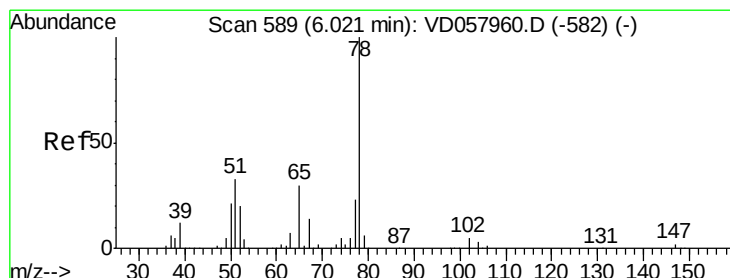
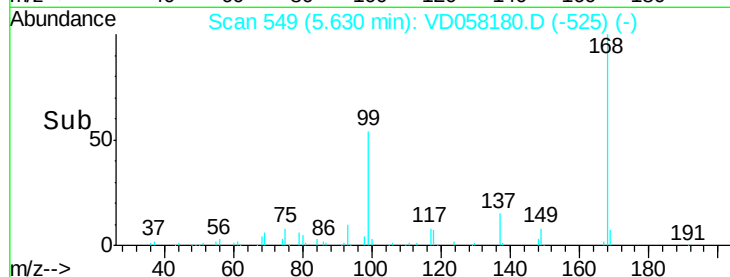
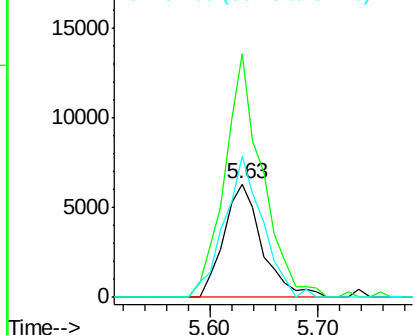
#31
Cyclohexane
Concen: 1.325 ug/l
RT: 5.63 min Scan# 549
Delta R.T. 0.03 min
Lab File: VD058180.D
Acq: 18 Jun 2018 14:45

Instrument :
MSVOA_D
ClientSampleId :

Tot Ion: 56 Resp: 15554
Ion Ratio Lower Upper
56 100
69 214.8 21.5 32.3#
84 124.1 61.0 91.6#

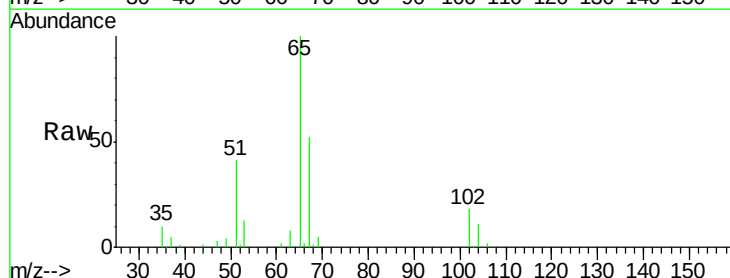


Abundance Ion 55.95 (55.65 to 56.65): VDC
Ion 69.00 (68.70 to 69.70): VDC
Ion 84.05 (83.75 to 84.75): VDC

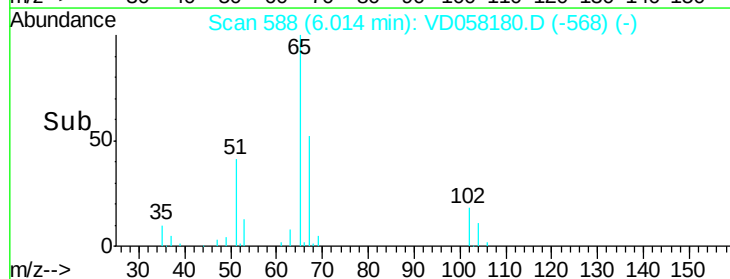
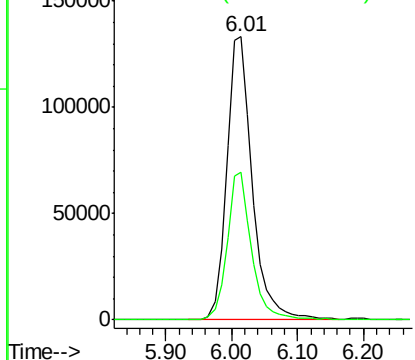


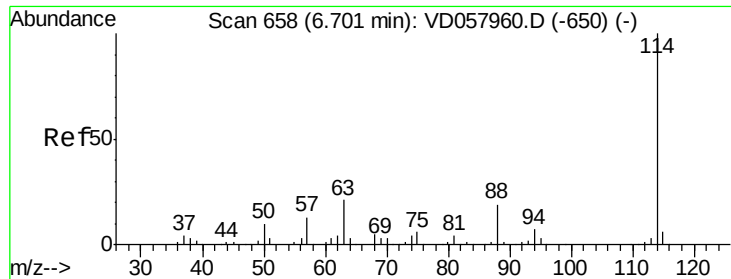
#33
1,2-Dichloroethane-d4
Concen: N.D. ug/l
RT: 6.01 min Scan# 588
Delta R.T. -0.01 min
Lab File: VD058180.D
Acq: 18 Jun 2018 14:45

Tgt Ion: 65 Resp: 361704
Ion Ratio Lower Upper
65 100
67 52.2 0.0 94.0



Abundance Ion 64.95 (64.65 to 65.65): VDC
Ion 66.90 (66.60 to 67.60): VDC

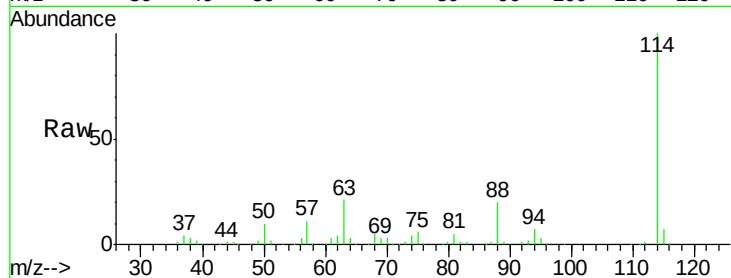




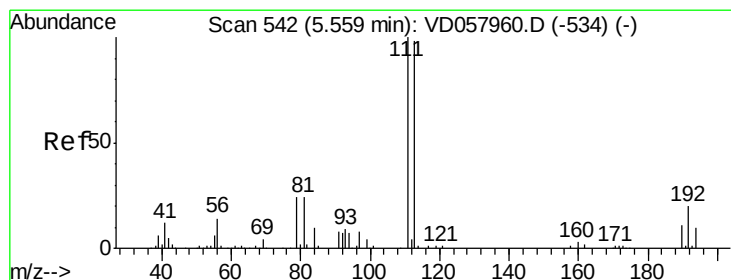
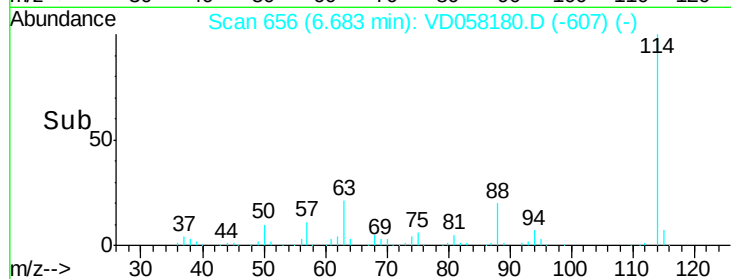
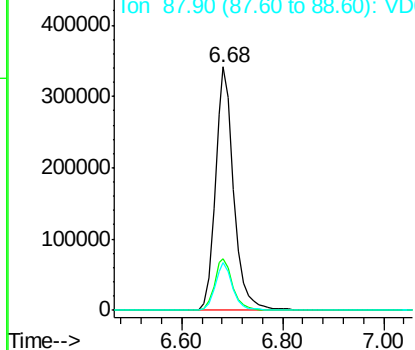
#34
 1,4-Difluorobenzene
 Concen: 50.000 ug/l
 RT: 6.68 min Scan# 656
 Delta R.T. -0.02 min
 Lab File: VD058180.D
 Acq: 18 Jun 2018 14:45

Instrument :
 MSVOA_D
 ClientSampleId :

Tot Ion:114 Resp: 867933
 Ion Ratio Lower Upper
 114 100
 63 21.1 0.0 42.8
 88 19.9 0.0 37.8

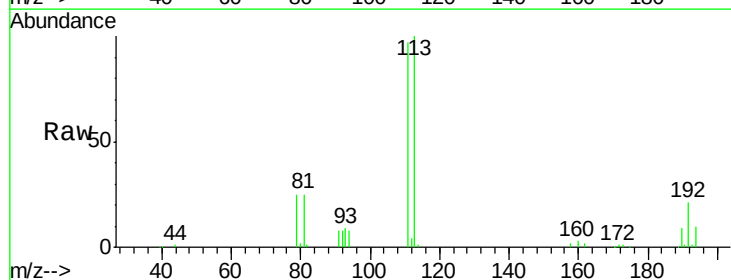


Abundance Ion 114.00 (113.70 to 114.70): V
 Ion 62.95 (62.65 to 63.65): VDC
 Ion 87.90 (87.60 to 88.60): VDC

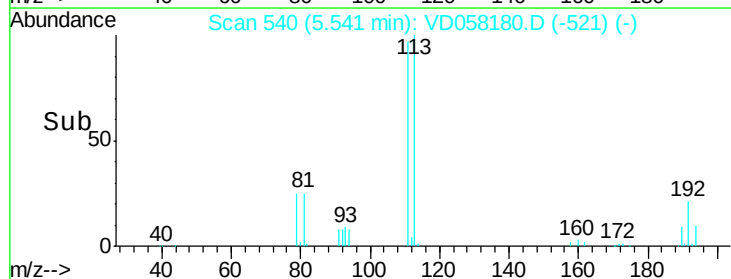
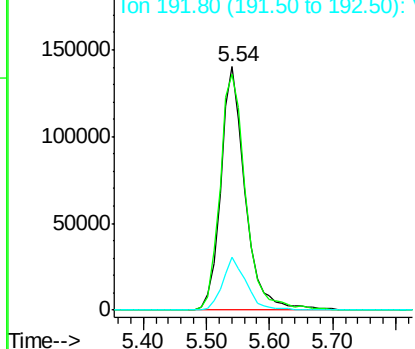


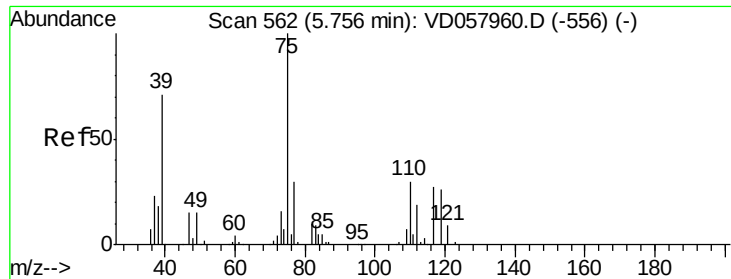
#35
 Dibromofluoromethane
 Concen: 50.000 ug/l
 RT: 5.54 min Scan# 540
 Delta R.T. -0.02 min
 Lab File: VD058180.D
 Acq: 18 Jun 2018 14:45

Tgt Ion:113 Resp: 375151
 Ion Ratio Lower Upper
 113 100
 111 96.9 81.5 122.3
 192 21.5 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: 5.523 ug/l

RT: 5.64 min Scan# 550

Delta R.T. -0.12 min

Lab File: VD058180.D

Acq: 18 Jun 2018 14:45

Instrument :

MSVOA_D

ClientSampleId :

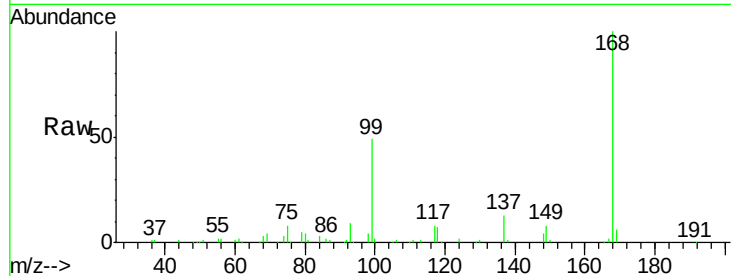
Tot Ion: 75 Resp: 52815

Ion Ratio Lower Upper

75 100

110 6.1 14.8 44.3#

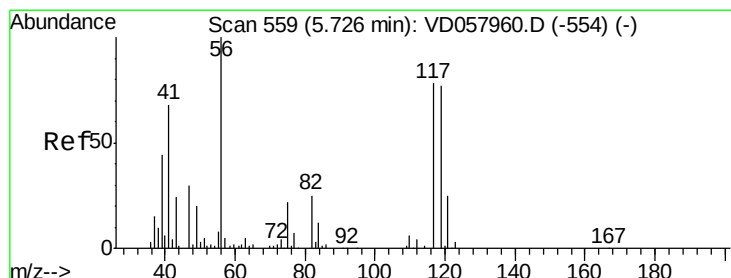
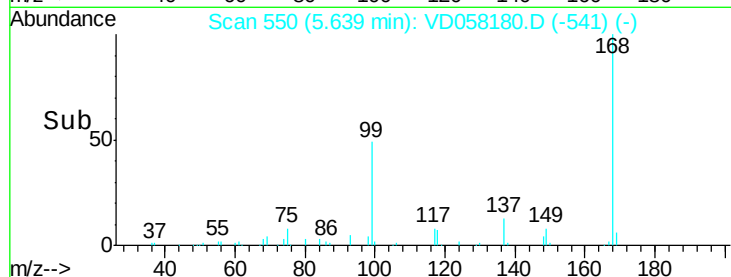
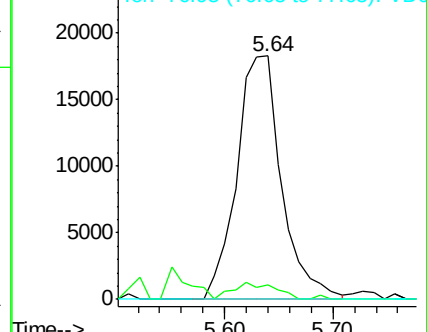
77 0.0 23.9 35.9#



Abundance Ion 75.00 (74.70 to 75.70): V

Ion 109.90 (109.60 to 110.60): V

Ion 76.95 (76.65 to 77.65): V



#38

Carbon Tetrachloride

Concen: 5.740 ug/l

RT: 5.63 min Scan# 549

Delta R.T. -0.10 min

Lab File: VD058180.D

Acq: 18 Jun 2018 14:45

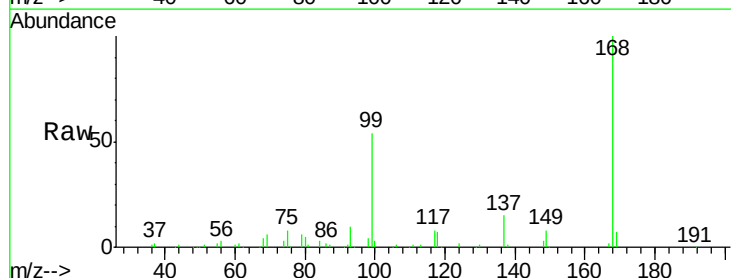
Tgt Ion: 117 Resp: 54092

Ion Ratio Lower Upper

117 100

119 4.3 76.1 114.1#

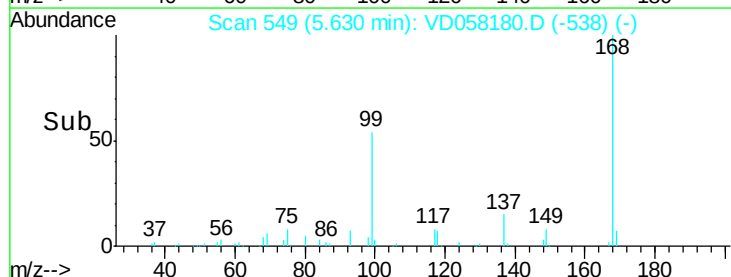
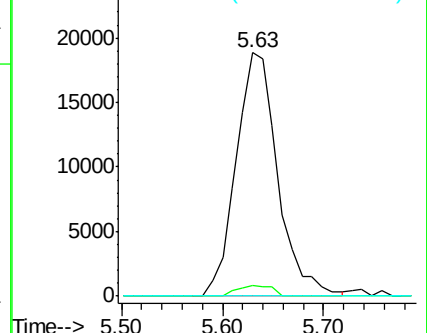
121 0.0 24.9 37.3#

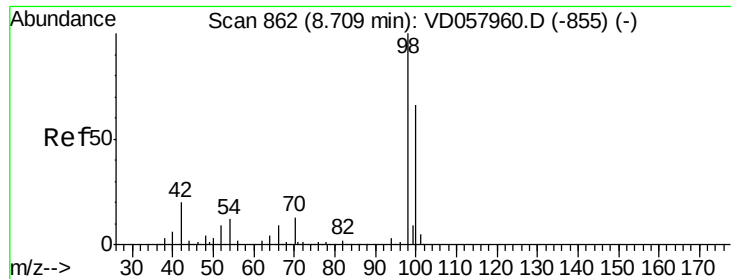


Abundance Ion 116.85 (116.55 to 117.55): V

Ion 118.85 (118.55 to 119.55): V

Ion 120.85 (120.55 to 121.55): V

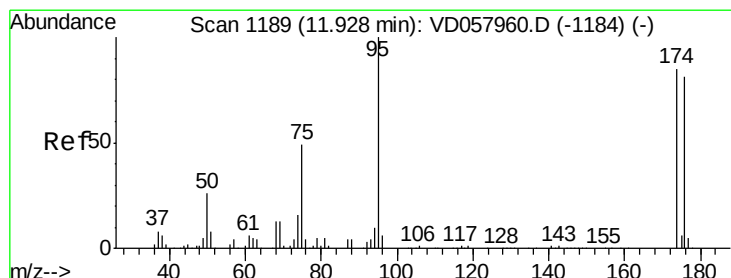
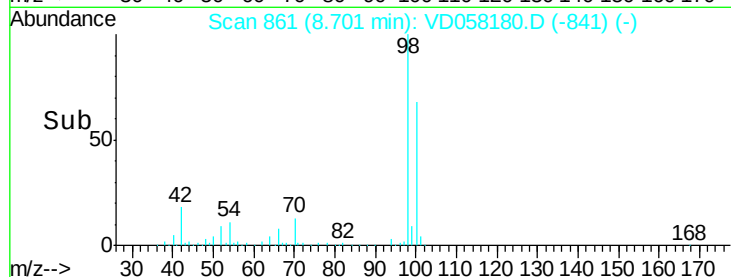
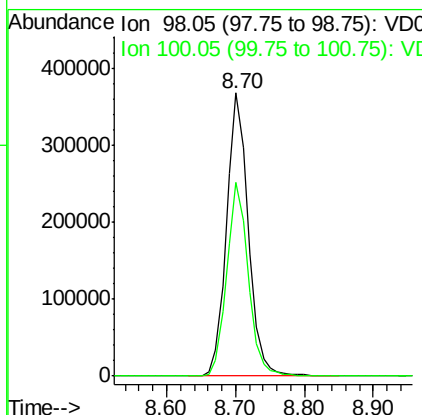
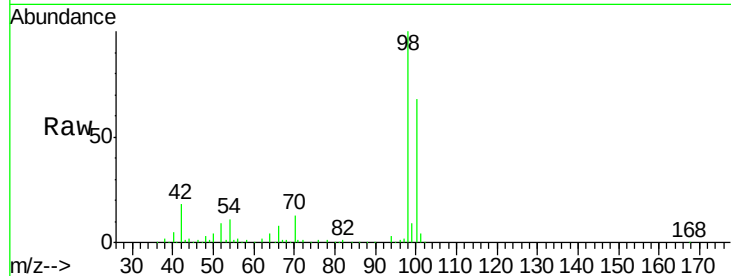




#50
Toluene-d8
Concen: N.D. ug/l
RT: 8.70 min Scan# 861
Delta R.T. -0.01 min
Lab File: VD058180.D
Acq: 18 Jun 2018 14:45

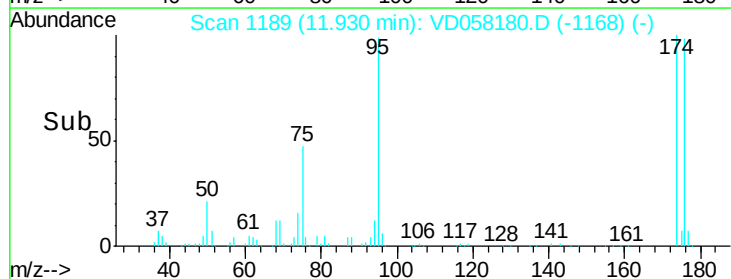
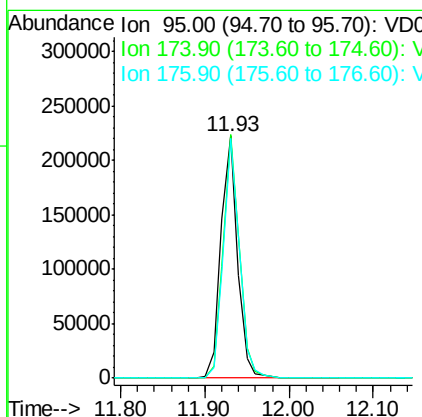
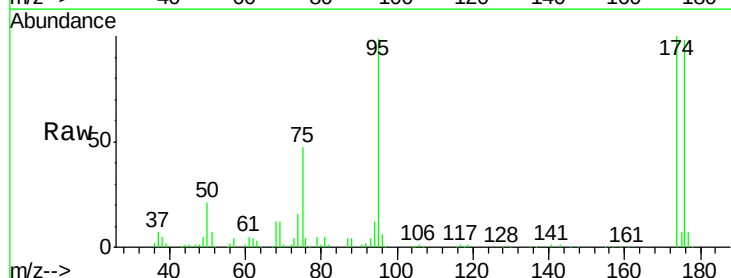
Instrument :
MSVOA_D
ClientSampleId :

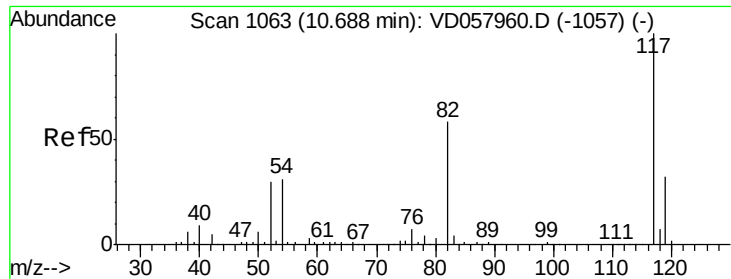
Tot Ion: 98 Resp: 805485
Ion Ratio Lower Upper
98 100
100 68.4 53.4 80.0



#62
4-Bromofluorobenzene
Concen: N.D. ug/l
RT: 11.93 min Scan# 1189
Delta R.T. 0.00 min
Lab File: VD058180.D
Acq: 18 Jun 2018 14:45

Tgt Ion: 95 Resp: 306022
Ion Ratio Lower Upper
95 100
174 100.6 0.0 169.4
176 98.8 0.0 162.6





#63

Chlorobenzene-d5

Concen: 50.000 ug/l

RT: 10.69 min Scan# 1063

Delta R.T. 0.00 min

Lab File: VD058180.D

Acq: 18 Jun 2018 14:45

Instrument :

MSVOA_D

ClientSampleId :

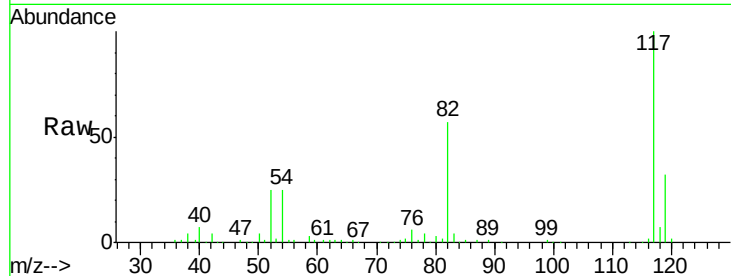
Tot Ion:117 Resp: 680116

Ion Ratio Lower Upper

117 100

82 56.9 46.8 70.2

119 31.9 25.8 38.6

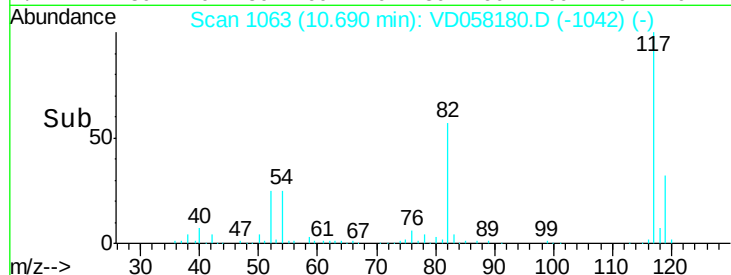


Abundance Ion 116.95 (116.65 to 117.65): V

Ion 82.05 (81.75 to 82.75): V

Ion 118.95 (118.65 to 119.65): V

Time-->



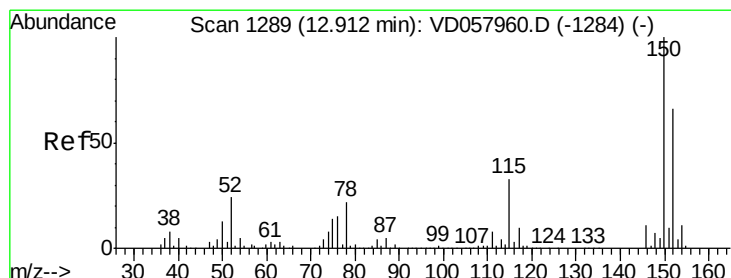
Abundance

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

Time-->



#72

1,4-Dichlorobenzene-d4

Concen: 50.000 ug/l

RT: 12.90 min Scan# 1288

Delta R.T. -0.01 min

Lab File: VD058180.D

Acq: 18 Jun 2018 14:45

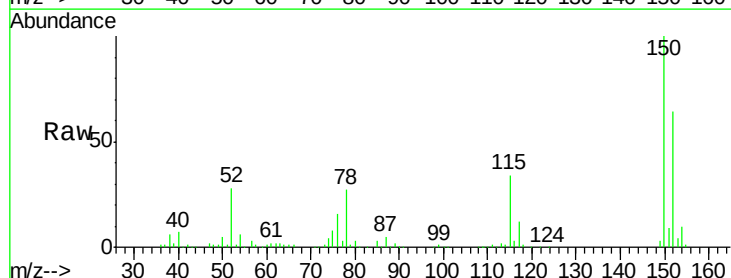
Tgt Ion:152 Resp: 301286

Ion Ratio Lower Upper

152 100

115 54.0 25.6 76.6

150 156.8 0.0 306.8

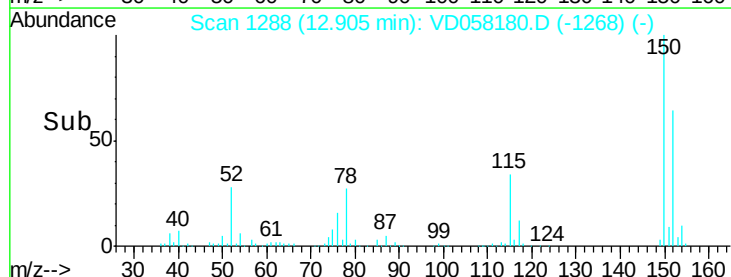


Abundance Ion 151.90 (151.60 to 152.60): V

Ion 115.00 (114.70 to 115.70): V

Ion 149.90 (149.60 to 150.60): V

Time-->



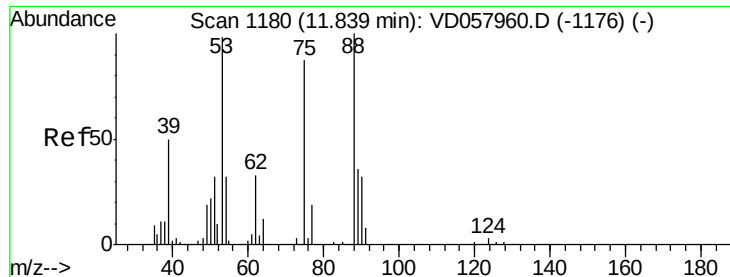
Abundance

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

Time-->



#81

trans-1,4-Dichloro-2-butene

Concen: 133.276 ug/l

RT: 11.93 min Scan# 1189

Delta R.T. 0.09 min

Lab File: VD058180.D

Acq: 18 Jun 2018 14:45

Instrument :

MSVOA_D

ClientSampleId :

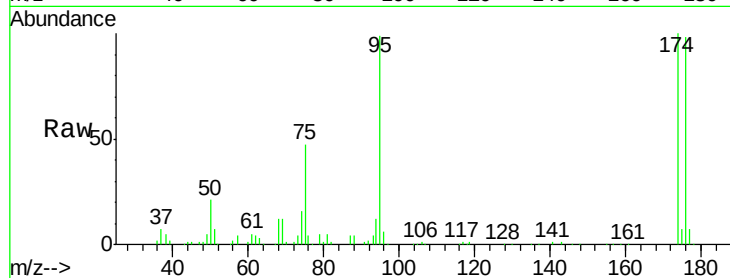
Tot Ion: 75 Resp: 149397

Ion Ratio Lower Upper

75 100

53 0.0 89.3 133.9#

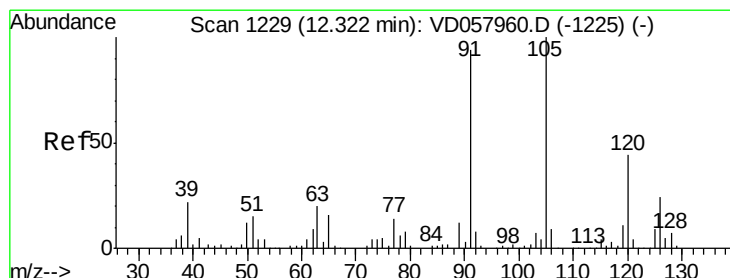
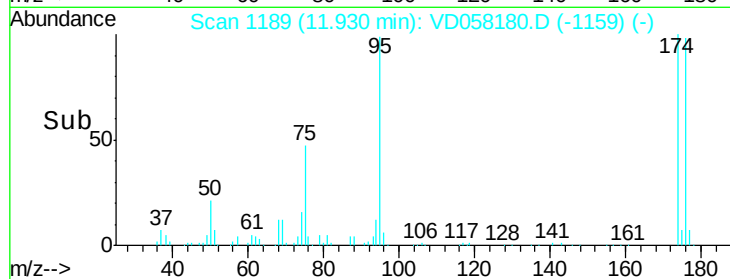
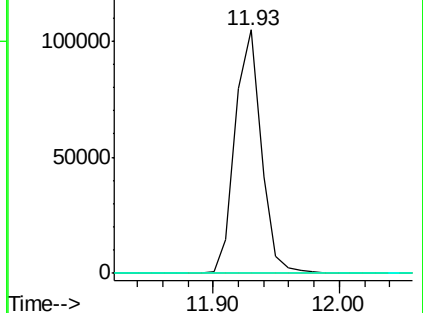
89 0.0 33.3 49.9#



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: VD058180.D

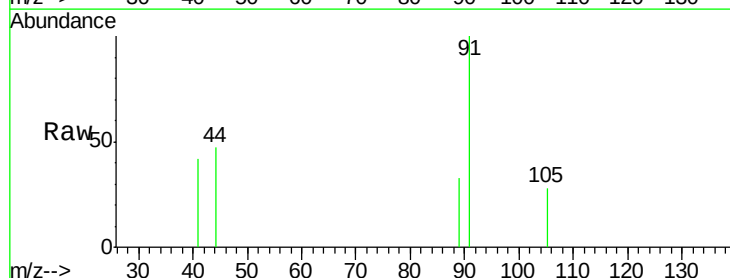
Acq: 18 Jun 2018 14:45

Tgt Ion: 91 Resp: 1221

Ion Ratio Lower Upper

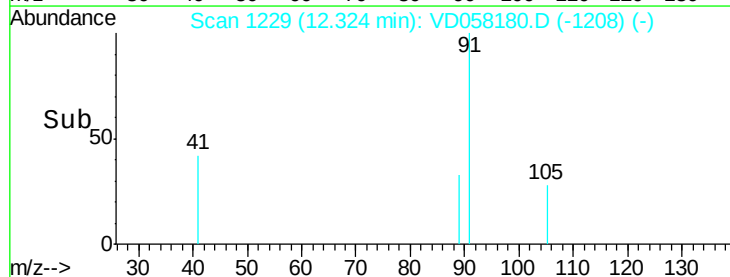
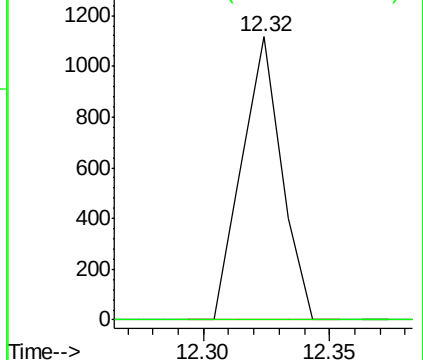
91 100

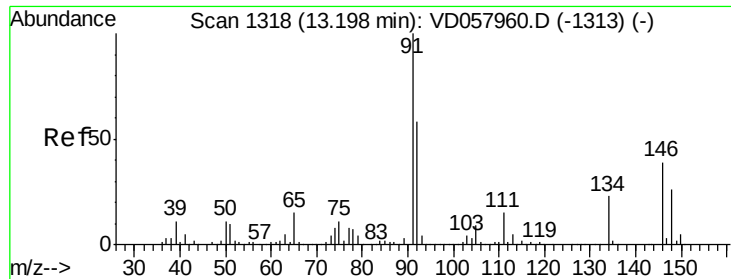
126 0.0 12.5 37.5#



Abundance Ion 91.00 (90.70 to 91.70): VDC

Ion 125.95 (125.65 to 126.65): V

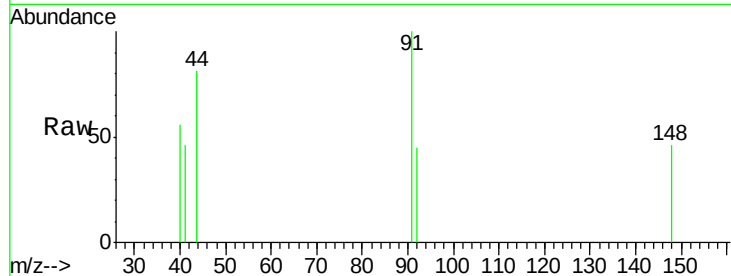




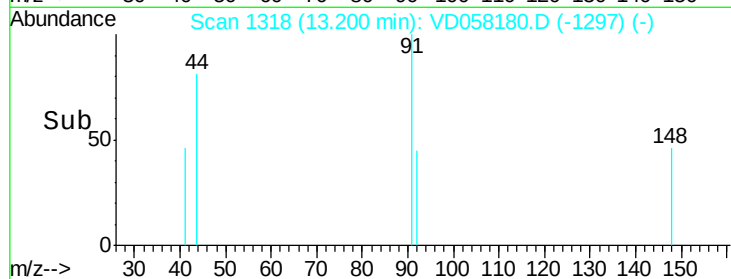
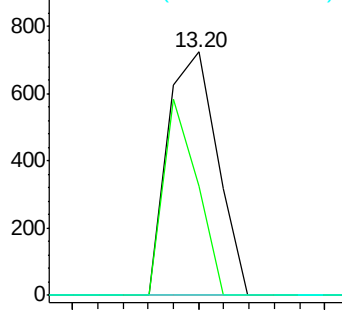
#89
 n-Butylbenzene
 Concen: Below Cal
 RT: 13.20 min Scan# 1318
 Delta R.T. 0.00 min
 Lab File: VD058180.D
 Acq: 18 Jun 2018 14:45

Instrument :
 MSVOA_D
 ClientSampleId :

Tot Ion: 91 Resp: 983
 Ion Ratio Lower Upper
 91 100
 92 44.6 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



Time-->