

Data Path : Z:\VOASRV\HPCHEM1\MSVOA D\DATA\VD072718\
 Data File : VD059622.D
 Acq On : 27 Jul 2018 20:20
 Operator : VA/AP
 Sample : J4113-02
 Misc : 5.00g/5ml/MSVOA D/SOIL
 ALS Vial : 8 Sample Multiplier: 1

Instrument :
 MSVOA_D
 ClientSampleId :

Quant Time: Jul 28 01:29:49 2018
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_D\METHOD\82D072418S.M
 Quant Title : SW846 8260
 QLast Update : Wed Jul 25 07:10:33 2018
 Response via : Initial Calibration

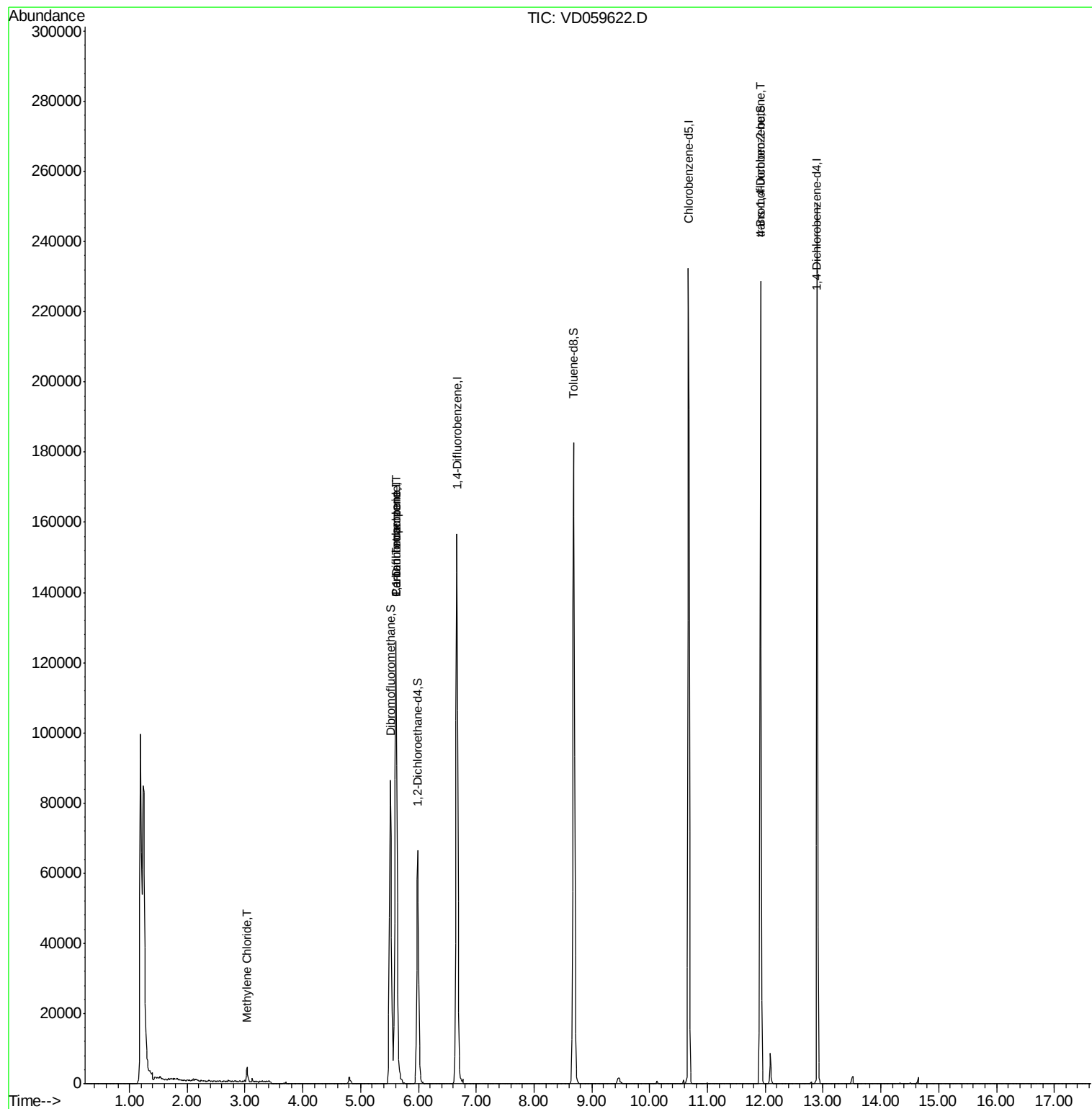
Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Pentafluorobenzene	5.61	168	120317	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	6.67	114	153433	50.00	ug/l	0.00
63) Chlorobenzene-d5	10.67	117	120636	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	12.90	152	55272	50.00	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	5.99	65	72313	47.81	ug/l	0.00
Spiked Amount 50.000			Recovery	=	95.62%	
35) Dibromofluoromethane	5.52	113	69190	52.57	ug/l	0.00
Spiked Amount 50.000			Recovery	=	105.14%	
50) Toluene-d8	8.68	98	146454	49.05	ug/l	0.00
Spiked Amount 50.000			Recovery	=	98.10%	
62) 4-Bromofluorobenzene	11.92	95	59488	44.23	ug/l	0.00
Spiked Amount 50.000			Recovery	=	88.46%	
Target Compounds						
					Qvalue	
20) Methylene Chloride	3.04	84	1830	2.810	ug/l #	84
31) Cyclohexane	5.60	56	2606	Below Cal	#	11
36) 1,1-Dichloropropene	5.60	75	10338	6.715	ug/l #	43
38) Carbon Tetrachloride	5.61	117	11562	5.484	ug/l #	14
81) trans-1,4-Dichloro-2-buten	11.92	75	32239	137.955	ug/l #	1

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

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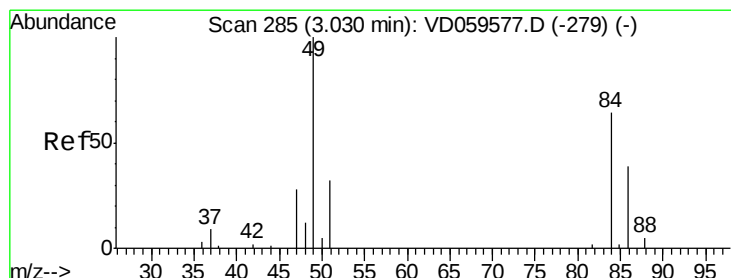
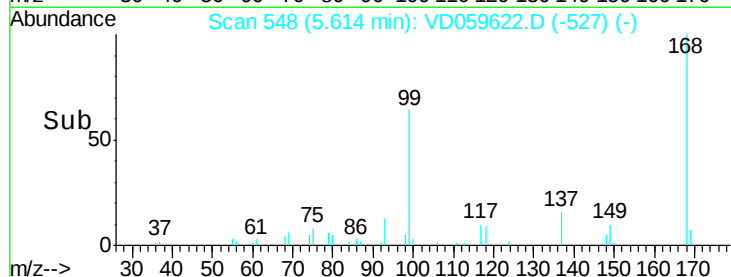
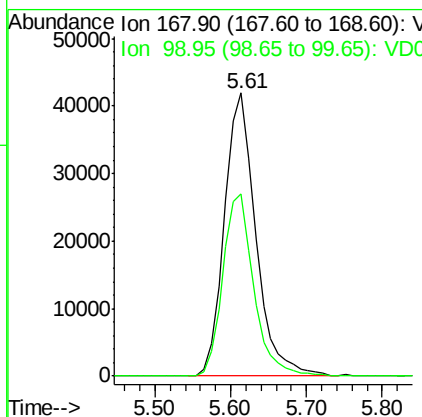
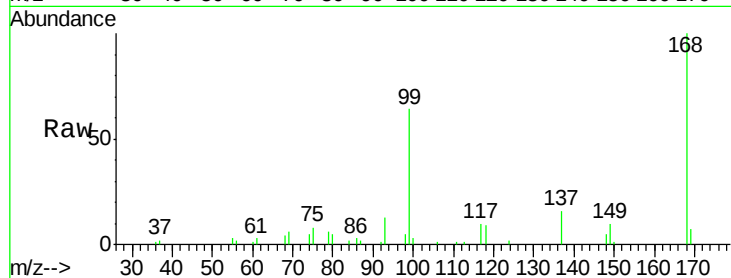




#1
Pentafluorobenzene
Concen: 50.000 ug/l
RT: 5.61 min Scan# 548
Delta R.T. 0.01 min
Lab File: VD059622.D
Acq: 27 Jul 2018 20:20

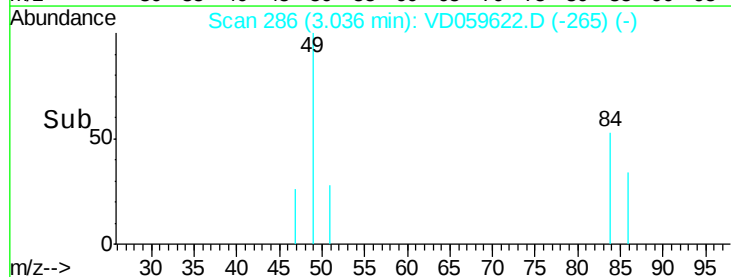
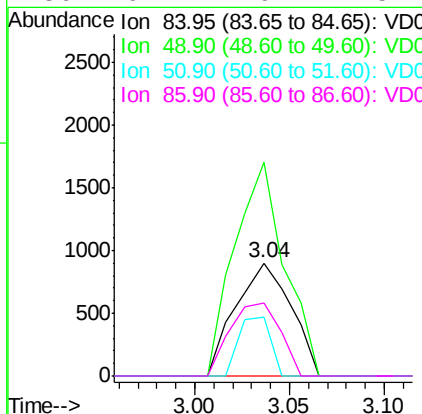
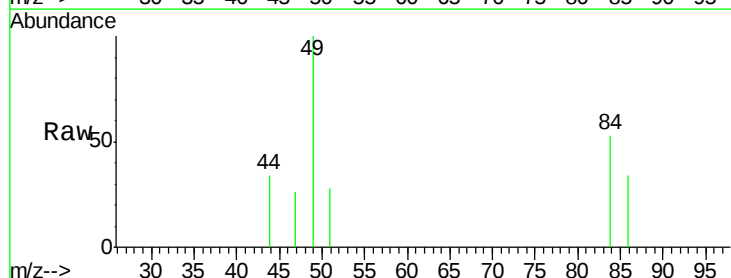
Instrument :
MSVOA_D
ClientSampleId :

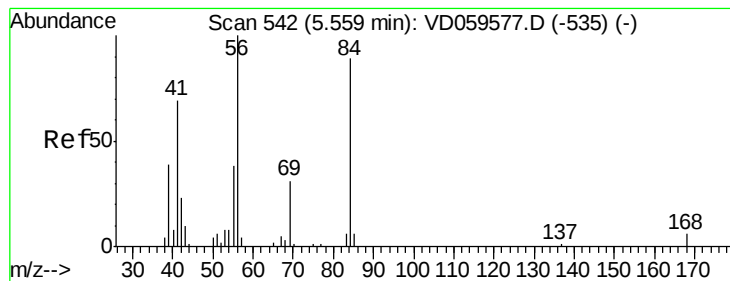
Tot Ion:168 Resp: 120317
Ion Ratio Lower Upper
168 100
99 64.4 47.3 70.9



#20
Methylene Chloride
Concen: 2.810 ug/l
RT: 3.04 min Scan# 286
Delta R.T. 0.01 min
Lab File: VD059622.D
Acq: 27 Jul 2018 20:20

Tgt Ion: 84 Resp: 1830
Ion Ratio Lower Upper
84 100
49 189.1 125.4 188.2#
51 52.6 39.7 59.5
86 64.2 49.1 73.7





#31

Cyclohexane

Concen: Below Cal

RT: 5.60 min Scan# 547

Delta R.T. 0.05 min

Lab File: VD059622.D

Acq: 27 Jul 2018 20:20

Instrument :

MSVOA_D

ClientSampleId :

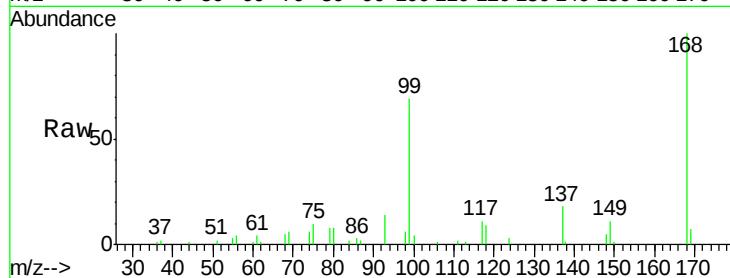
Tot Ion: 56 Resp: 2606

Ion Ratio Lower Upper

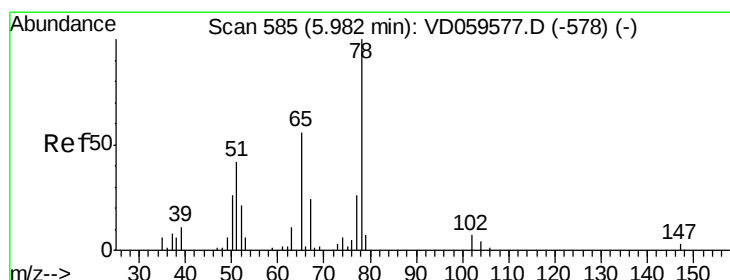
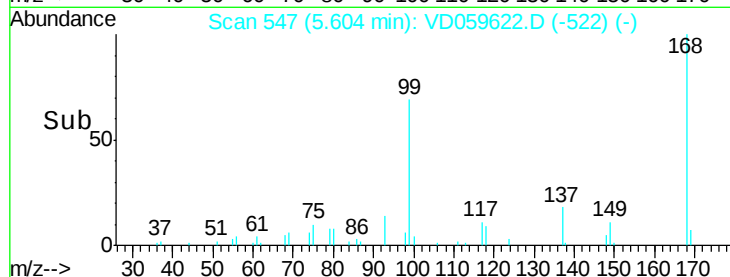
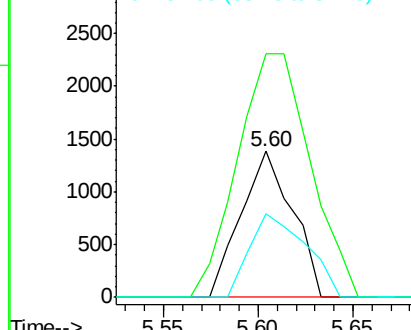
56 100

69 166.6 24.6 37.0#

84 57.2 72.7 109.1#



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: 5.99 min Scan# 586

Delta R.T. 0.01 min

Lab File: VD059622.D

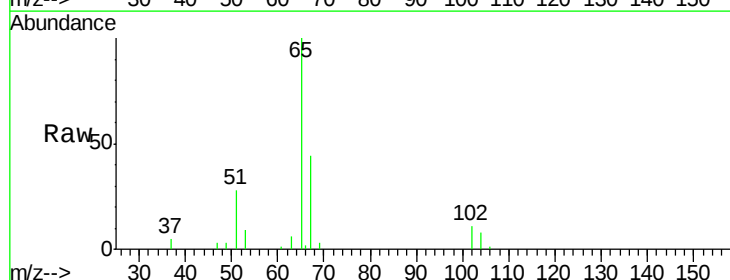
Acq: 27 Jul 2018 20:20

Tgt Ion: 65 Resp: 72313

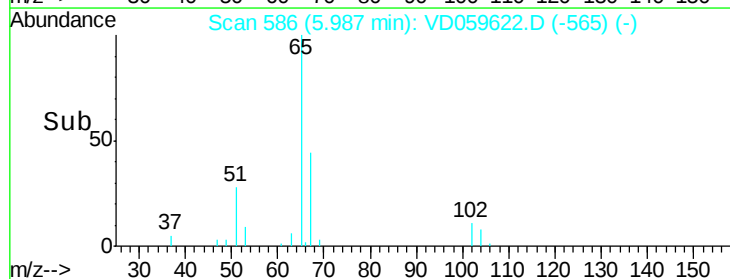
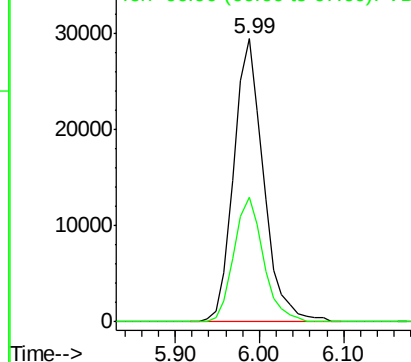
Ion Ratio Lower Upper

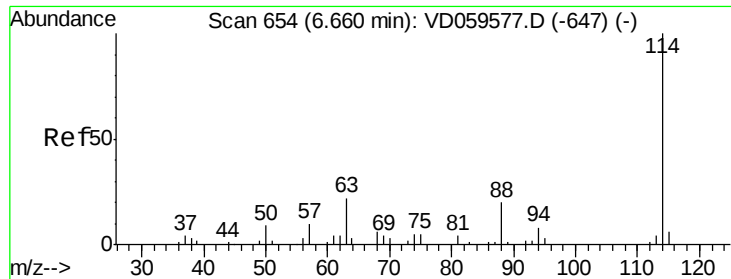
65 100

67 44.0 0.0 86.4



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

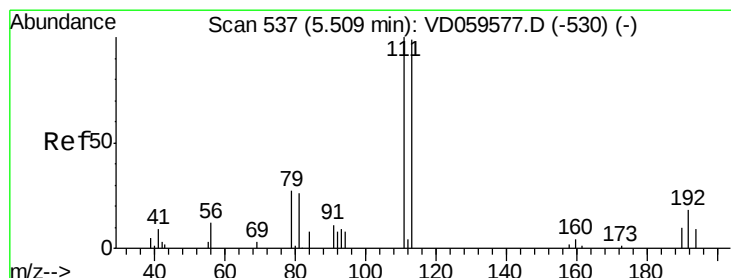
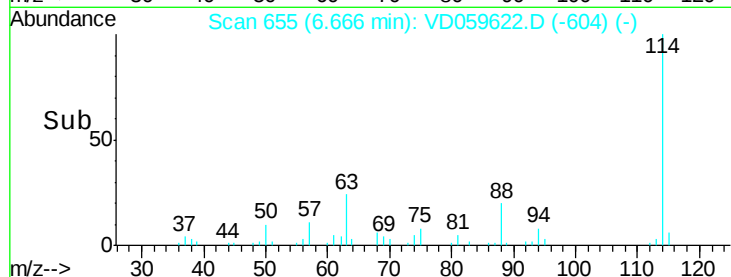
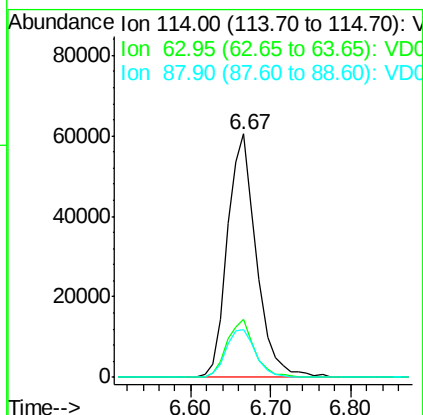
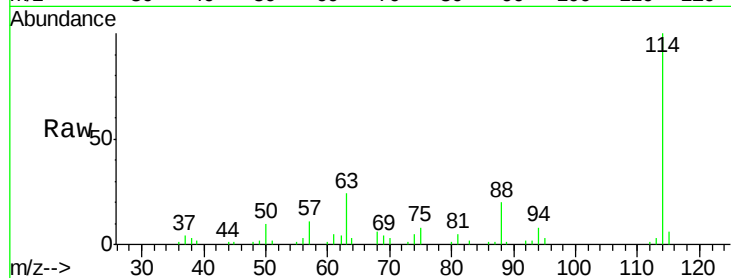




#34
 1,4-Difluorobenzene
 Concen: 50.000 ug/l
 RT: 6.67 min Scan# 655
 Delta R.T. 0.01 min
 Lab File: VD059622.D
 Acq: 27 Jul 2018 20:20

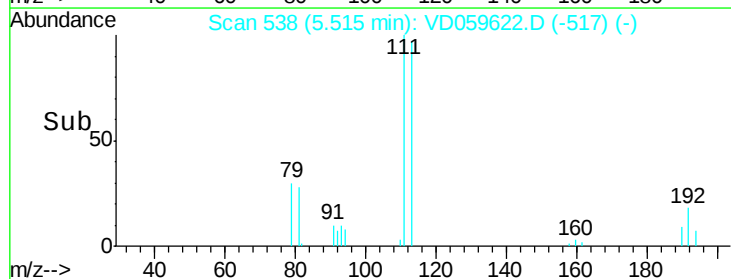
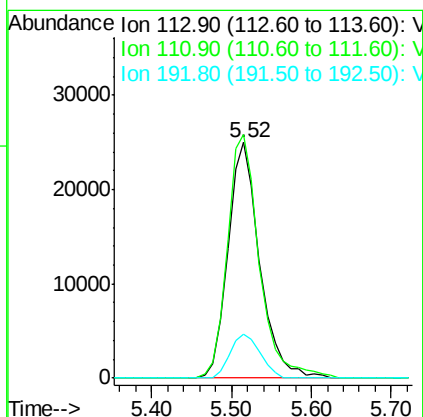
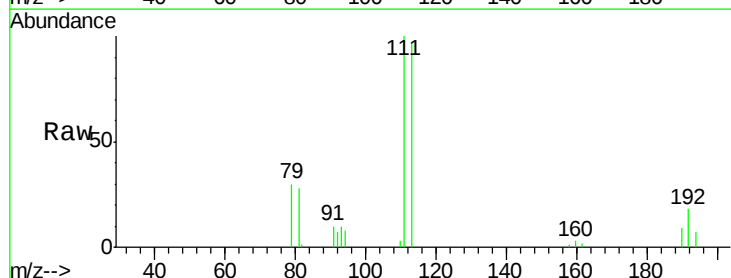
Instrument :
 MSVOA_D
 ClientSampleId :

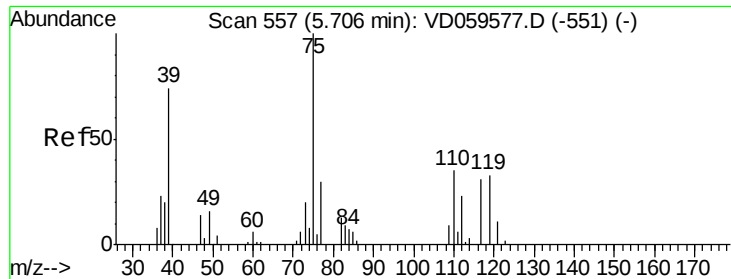
Tot Ion:114 Resp: 153433
 Ion Ratio Lower Upper
 114 100
 63 23.6 0.0 43.8
 88 19.6 0.0 39.0



#35
 Dibromofluoromethane
 Concen: 50.000 ug/l
 RT: 5.52 min Scan# 538
 Delta R.T. 0.01 min
 Lab File: VD059622.D
 Acq: 27 Jul 2018 20:20

Tgt Ion:113 Resp: 69190
 Ion Ratio Lower Upper
 113 100
 111 103.4 80.5 120.7
 192 18.6 14.5 21.7

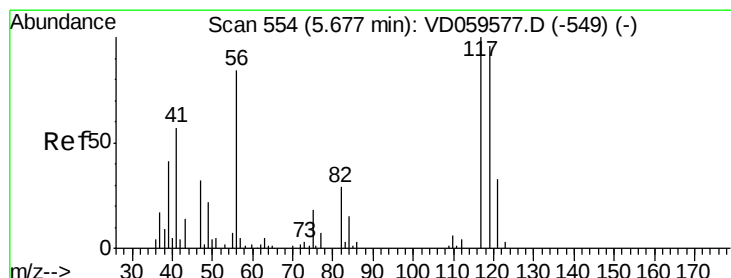
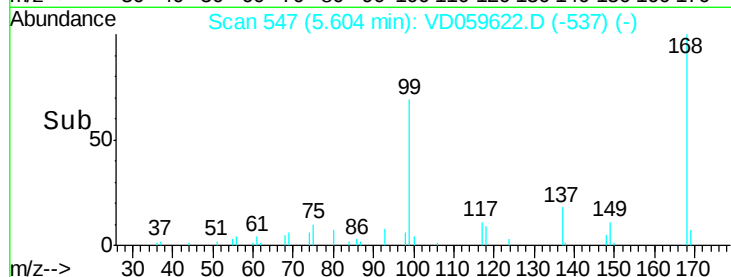
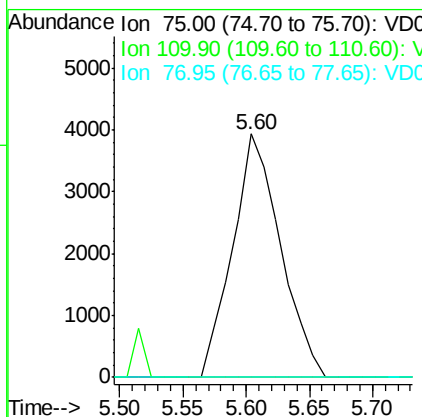
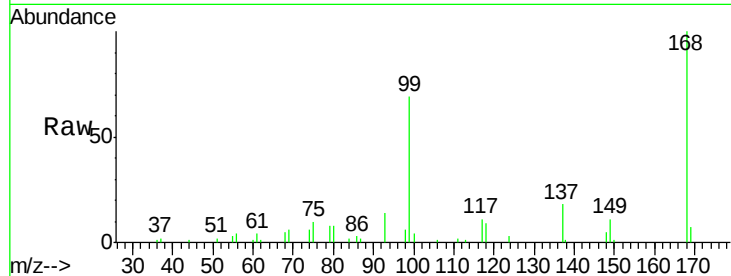




#36
 1,1-Dichloropropene
 Concen: 6.715 ug/l
 RT: 5.60 min Scan# 547
 Delta R.T. -0.10 min
 Lab File: VD059622.D
 Acq: 27 Jul 2018 20:20

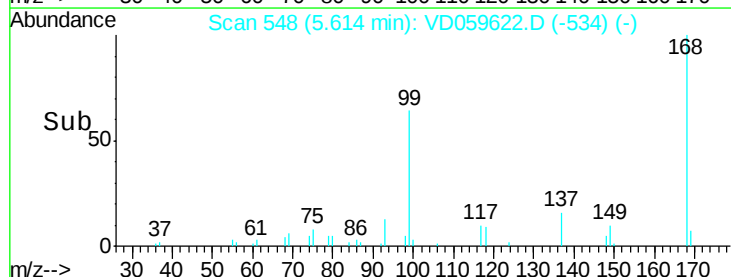
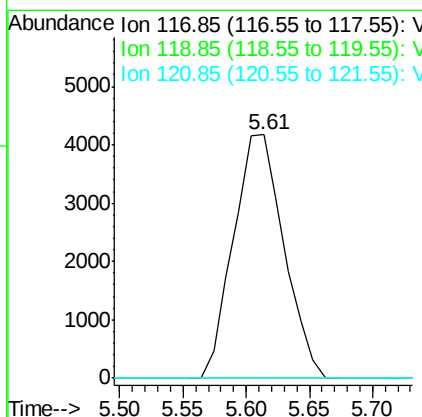
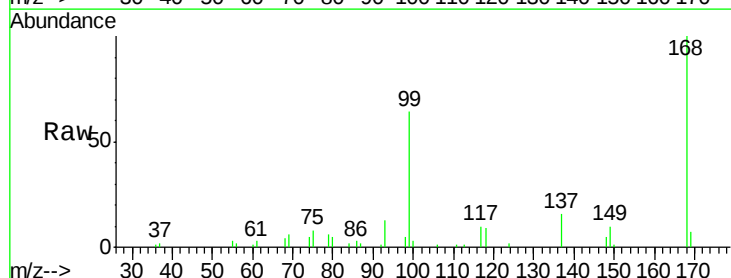
Instrument :
 MSVOA_D
 ClientSampled :

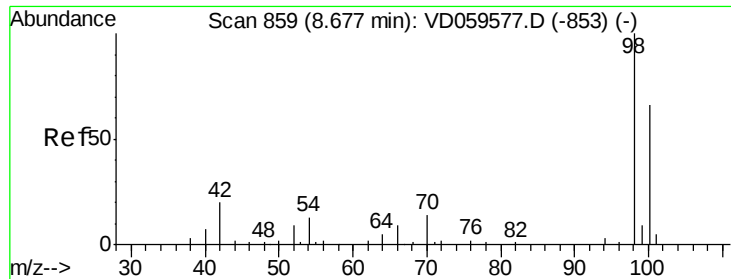
Tot Ion: 75 Resp: 10338
 Ion Ratio Lower Upper
 75 100
 110 0.0 17.0 50.9#
 77 0.0 23.6 35.4#



#38
 Carbon Tetrachloride
 Concen: 5.484 ug/l
 RT: 5.61 min Scan# 548
 Delta R.T. -0.06 min
 Lab File: VD059622.D
 Acq: 27 Jul 2018 20:20

Tgt Ion: 117 Resp: 11562
 Ion Ratio Lower Upper
 117 100
 119 0.0 73.6 110.4#
 121 0.0 25.0 37.6#

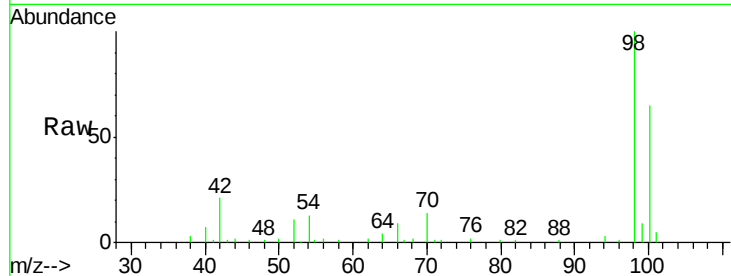




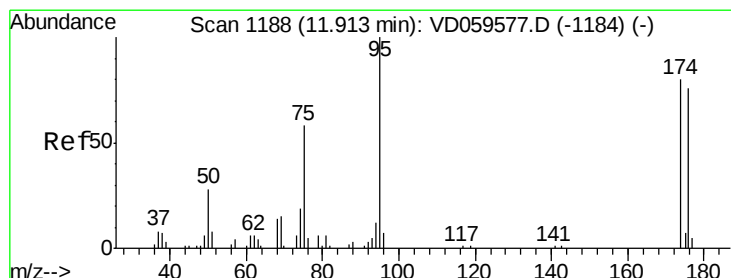
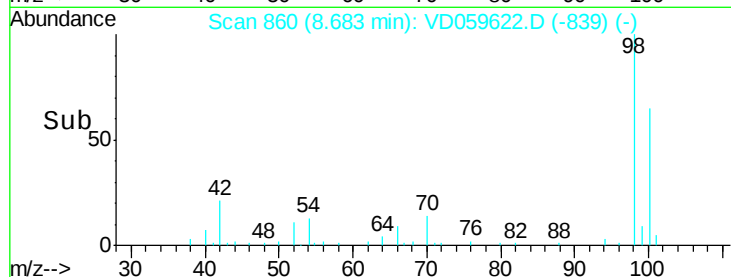
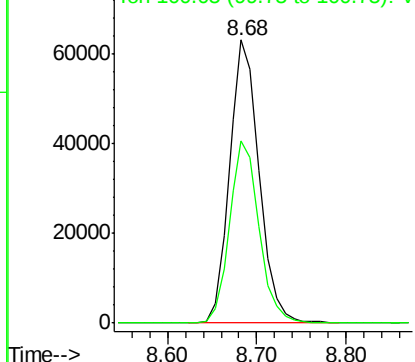
#50
Toluene-d8
Concen: N.D. ug/l
RT: 8.68 min Scan# 860
Delta R.T. 0.01 min
Lab File: VD059622.D
Acq: 27 Jul 2018 20:20

Instrument :
MSVOA_D
ClientSampleId :

Tot Ion: 98 Resp: 146454
Ion Ratio Lower Upper
98 100
100 64.5 53.2 79.8

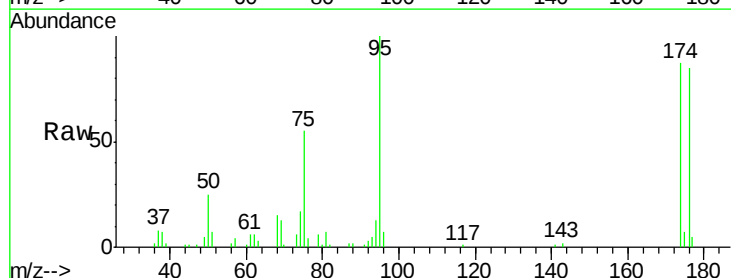


Abundance Ion 98.05 (97.75 to 98.75): VDC
Ion 100.05 (99.75 to 100.75): VDC

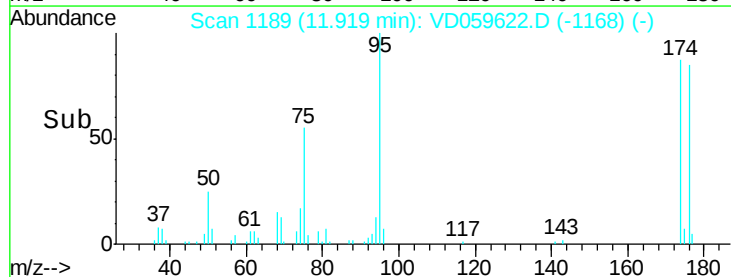
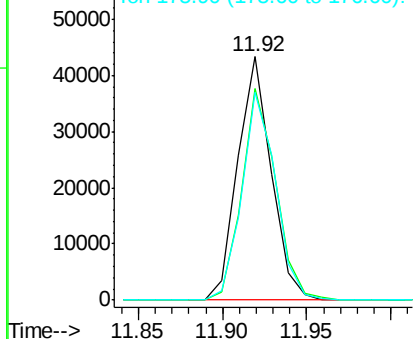


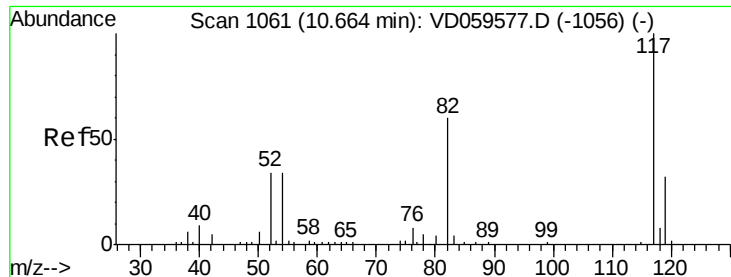
#62
4-Bromofluorobenzene
Concen: N.D. ug/l
RT: 11.92 min Scan# 1189
Delta R.T. 0.01 min
Lab File: VD059622.D
Acq: 27 Jul 2018 20:20

Tgt Ion: 95 Resp: 59488
Ion Ratio Lower Upper
95 100
174 87.0 0.0 160.6
176 85.3 0.0 152.8



Abundance Ion 95.00 (94.70 to 95.70): VDC
Ion 173.90 (173.60 to 174.60): VDC
Ion 175.90 (175.60 to 176.60): VDC

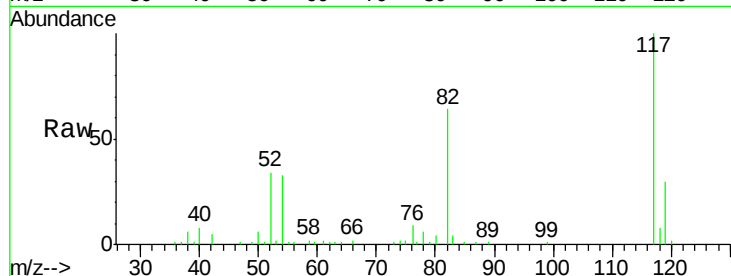




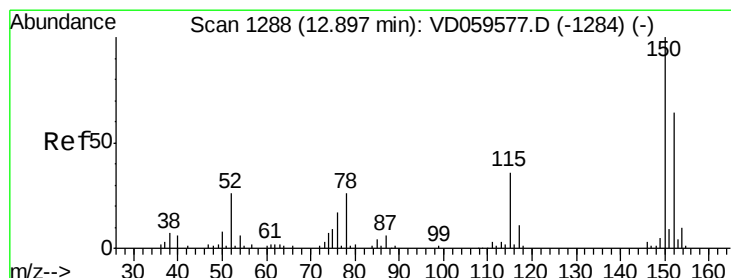
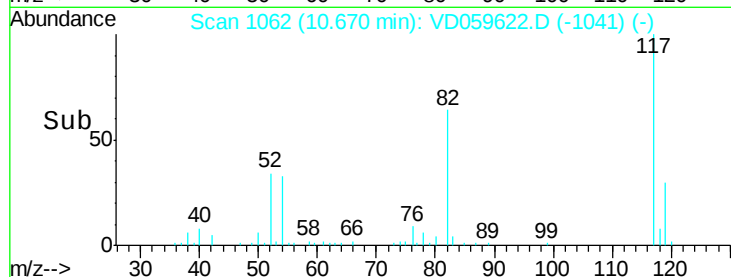
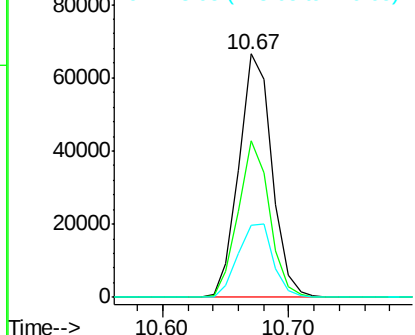
#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 10.67 min Scan# 1062
Delta R.T. 0.01 min
Lab File: VD059622.D
Acq: 27 Jul 2018 20:20

Instrument :
MSVOA_D
ClientSampleId :

Tot Ion:117 Resp: 120636
Ion Ratio Lower Upper
117 100
82 64.2 48.2 72.2
119 29.9 25.4 38.2

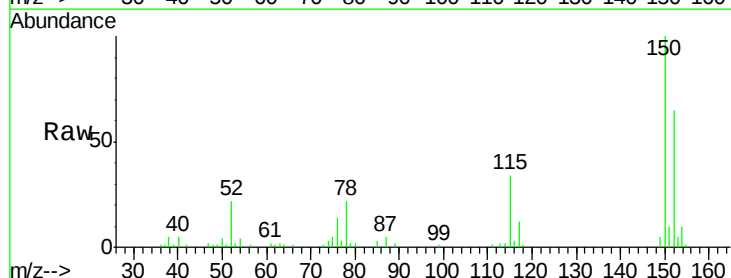


Abundance Ion 116.95 (116.65 to 117.65): V
Ion 82.05 (81.75 to 82.75): V
Ion 118.95 (118.65 to 119.65): V

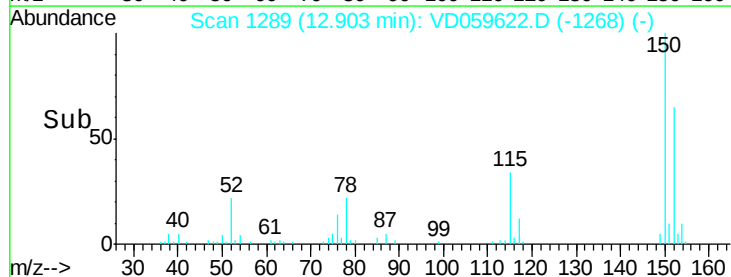
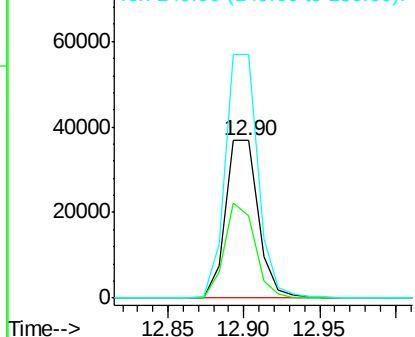


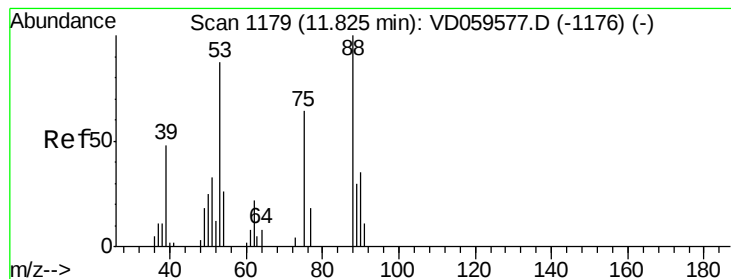
#72
1,4-Dichlorobenzene-d4
Concen: 50.000 ug/l
RT: 12.90 min Scan# 1289
Delta R.T. 0.01 min
Lab File: VD059622.D
Acq: 27 Jul 2018 20:20

Tgt Ion:152 Resp: 55272
Ion Ratio Lower Upper
152 100
115 52.6 29.5 88.6
150 154.5 0.0 314.4



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: 137.955 ug/l

RT: 11.92 min Scan# 1189

Delta R.T. 0.09 min

Lab File: VD059622.D

Acq: 27 Jul 2018 20:20

Instrument :

MSVOA_D

ClientSampleId :

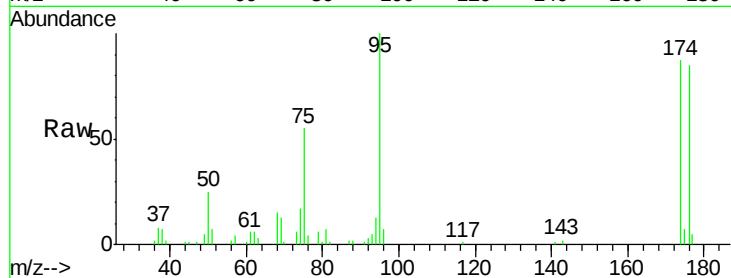
Tot Ion: 75 Resp: 32239

Ion Ratio Lower Upper

75 100

53 0.0 107.7 161.5#

89 0.0 37.3 55.9#



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

