

Data Path : Z:\VOASRV\HPCHEM1\MSVOA D\DATA\VD081618\
 Data File : VD059818.D
 Acq On : 16 Aug 2018 18:44
 Operator : VA/AP
 Sample : J4501-02
 Misc : 5.02g/5ml/MSVOA D/SOIL
 ALS Vial : 13 Sample Multiplier: 1

Instrument :
 MSVOA_D
 ClientSampleId :

Quant Time: Aug 17 05:35:33 2018
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_D\METHOD\82D081518S.M
 Quant Title : SW846 8260
 QLast Update : Wed Aug 15 16:08:23 2018
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Pentafluorobenzene	5.61	168	205786	50.00	ug/l	-0.02
34) 1,4-Difluorobenzene	6.67	114	256364	50.00	ug/l	-0.02
63) Chlorobenzene-d5	10.67	117	176894	50.00	ug/l	-0.02
72) 1,4-Dichlorobenzene-d4	12.89	152	81424	50.00	ug/l	-0.02

System Monitoring Compounds	R.T.	QIon	Response	Conc	Units	Dev(Min)
33) 1,2-Dichloroethane-d4	5.99	65	118529	44.83	ug/l	-0.02
Spiked Amount			Recovery	=	89.66%	
35) Dibromofluoromethane	5.52	113	107316	48.04	ug/l	-0.02
Spiked Amount			Recovery	=	96.08%	
50) Toluene-d8	8.68	98	207491	39.21	ug/l	-0.02
Spiked Amount			Recovery	=	78.42%	
62) 4-Bromofluorobenzene	11.92	95	74812	31.56	ug/l	0.00
Spiked Amount			Recovery	=	63.12%	

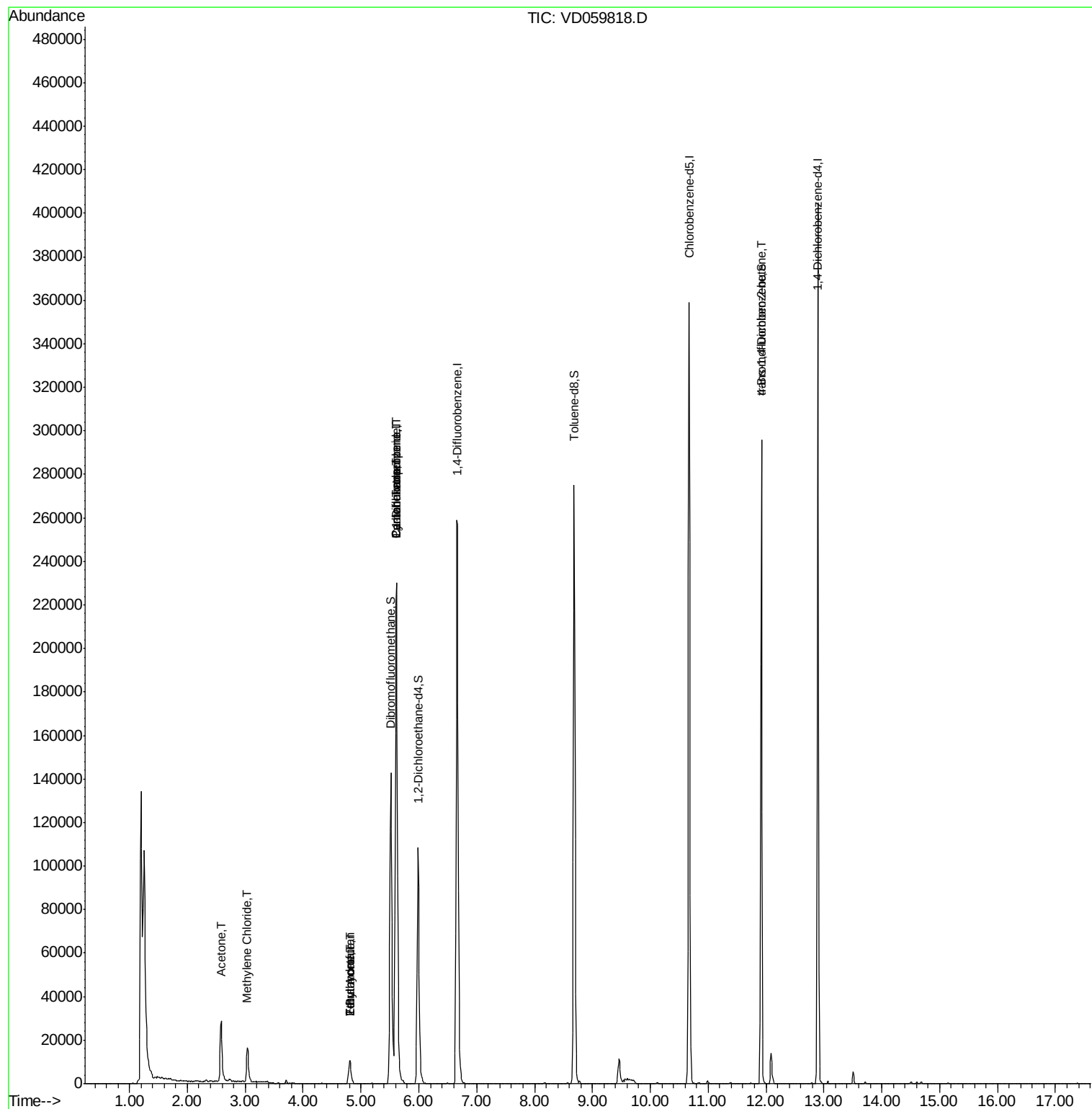
Target Compounds	R.T.	QIon	Response	Conc	Units	Qvalue
16) Acetone	2.58	43	49519	118.674	ug/l	100
20) Methylene Chloride	3.04	84	7588	3.855	ug/l	91
25) 2-Butanone	4.80	43	14335	22.446	ug/l #	89
29) Tetrahydrofuran	4.80	42	916	3.362	ug/l #	1
31) Cyclohexane	5.61	56	5196	1.935	ug/l #	1
36) 1,1-Dichloropropene	5.61	75	18753	7.130	ug/l #	51
37) Ethyl Acetate	4.80	43	14335	10.897	ug/l #	72
38) Carbon Tetrachloride	5.60	117	20934	6.597	ug/l #	13
81) trans-1,4-Dichloro-2-buten	11.92	75	40359	149.321	ug/l #	1

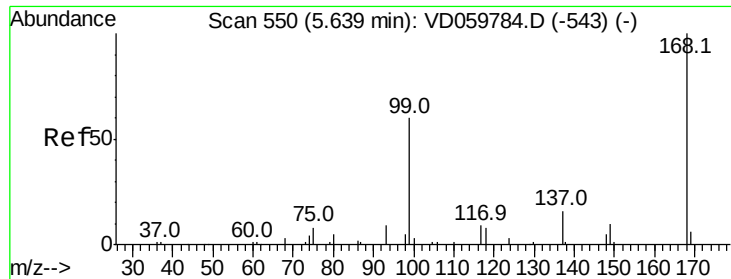
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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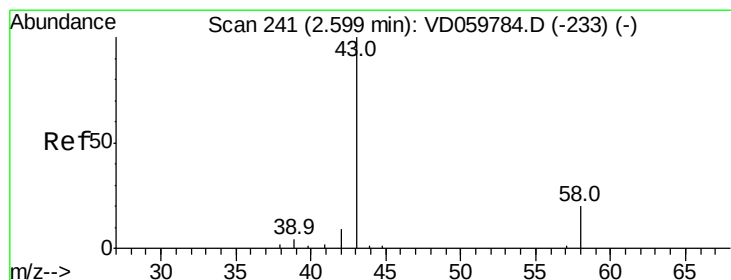
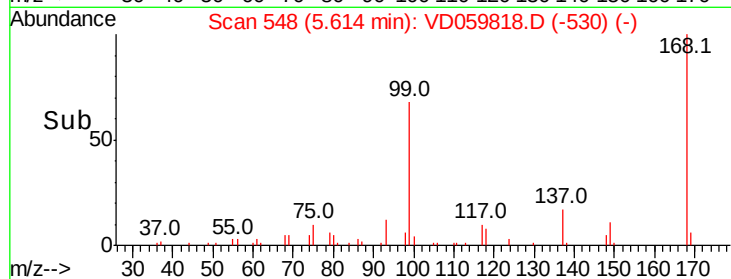
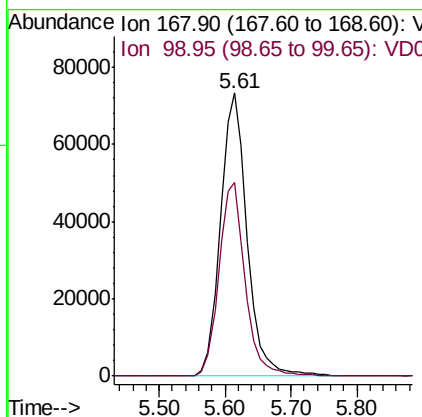
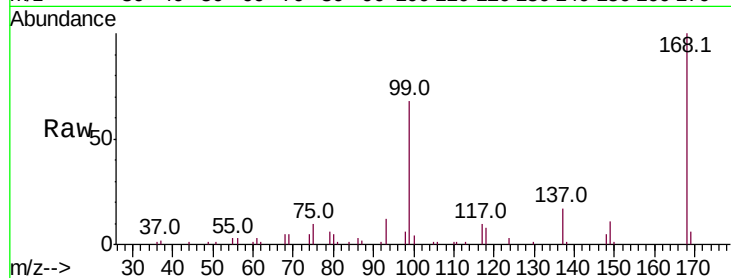




#1
Pentafluorobenzene
Concen: 50.000 ug/l
RT: 5.61 min Scan# 548
Delta R.T. -0.02 min
Lab File: VD059818.D
Acq: 16 Aug 2018 18:44

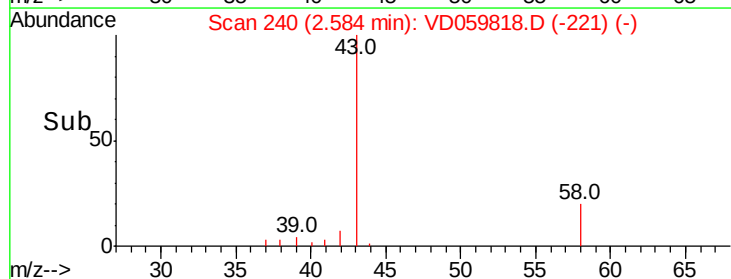
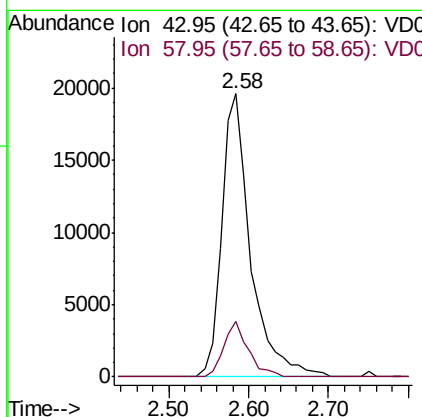
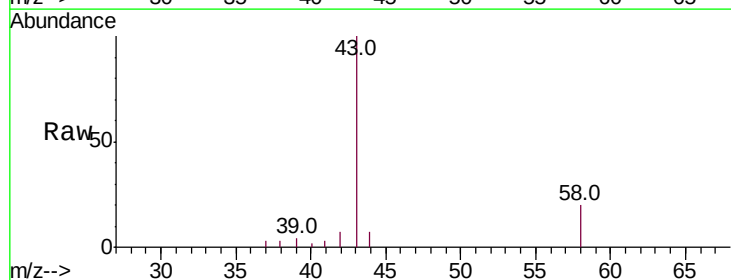
Instrument :
MSVOA_D
ClientSampleId :

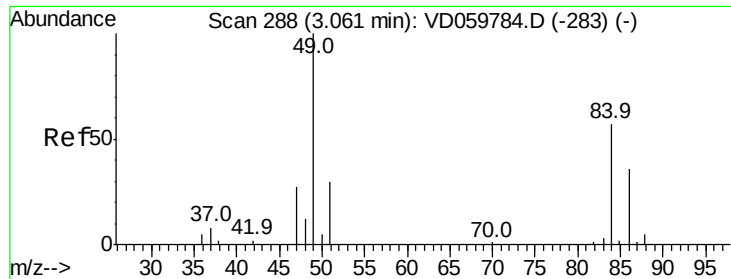
Tot Ion:168 Resp: 205786
Ion Ratio Lower Upper
168 100
99 68.5 50.3 75.5



#16
Acetone
Concen: 118.674 ug/l
RT: 2.58 min Scan# 240
Delta R.T. -0.02 min
Lab File: VD059818.D
Acq: 16 Aug 2018 18:44

Tgt Ion: 43 Resp: 49519
Ion Ratio Lower Upper
43 100
58 19.6 15.7 23.5

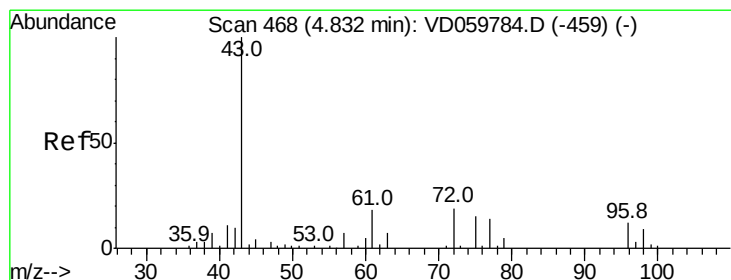
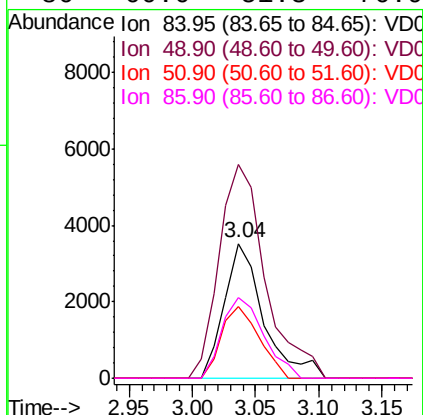
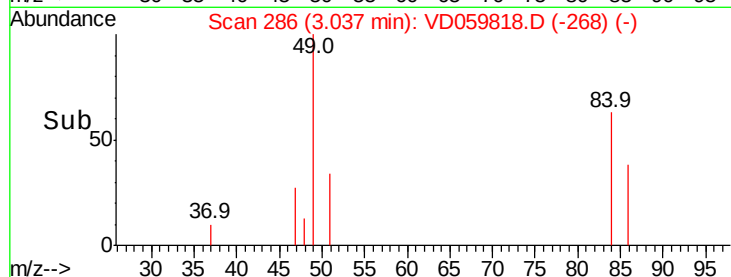
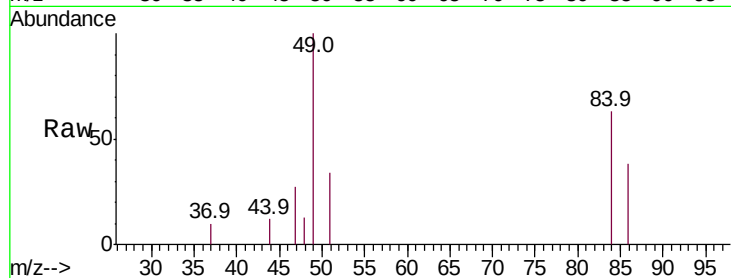




#20
Methvlene Chloride
Concen: 3.855 ug/l
RT: 3.04 min Scan# 286
Delta R.T. -0.02 min
Lab File: VD059818.D
Acq: 16 Aug 2018 18:44

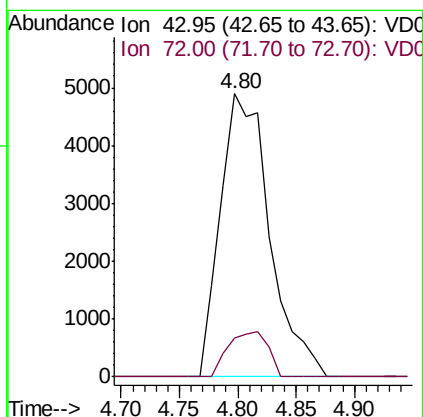
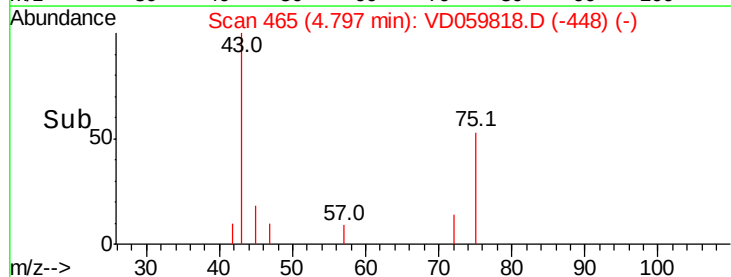
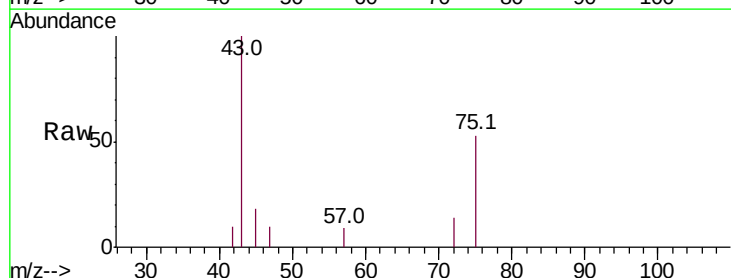
Instrument :
MSVOA_D
ClientSampleId :

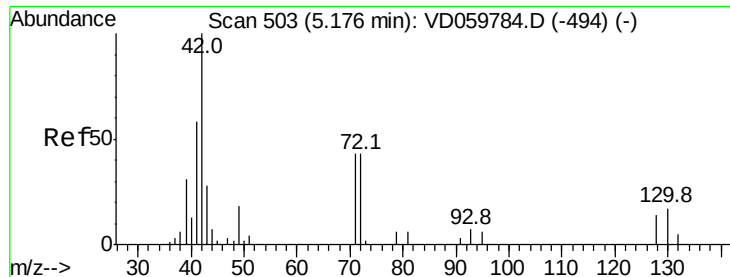
Tot Ion:	84	Resp:	7588
Ion	Ratio	Lower	Upper
84	100		
49	158.6	140.9	211.3
51	53.5	42.8	64.2
86	60.0	51.3	76.9



#25
2-Butanone
Concen: 22.446 ug/l
RT: 4.80 min Scan# 465
Delta R.T. -0.03 min
Lab File: VD059818.D
Acq: 16 Aug 2018 18:44

Tgt Ion:	43	Resp:	14335
Ion	Ratio	Lower	Upper
43	100		
72	13.8	14.9	22.3#





#29

Tetrahydrofuran

Concen: 3.362 ug/l

RT: 4.80 min Scan# 465

Delta R.T. -0.38 min

Lab File: VD059818.D

Acq: 16 Aug 2018 18:44

Instrument :

MSVOA_D

ClientSampled :

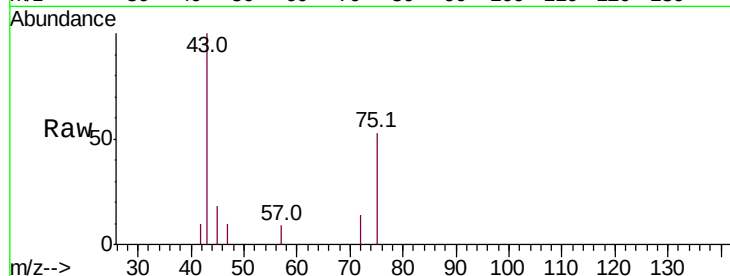
Tot Ion: 42 Resp: 916

Ion Ratio Lower Upper

42 100

72 201.0 34.3 51.5#

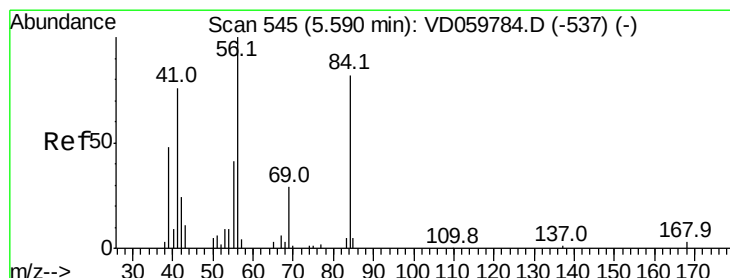
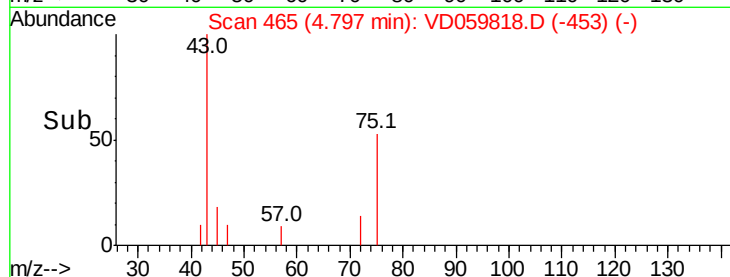
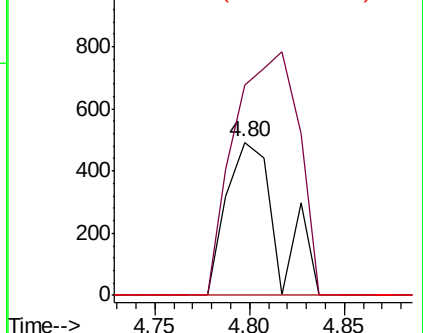
71 0.0 33.0 49.6#



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: 1.935 ug/l

RT: 5.61 min Scan# 548

Delta R.T. 0.02 min

Lab File: VD059818.D

Acq: 16 Aug 2018 18:44

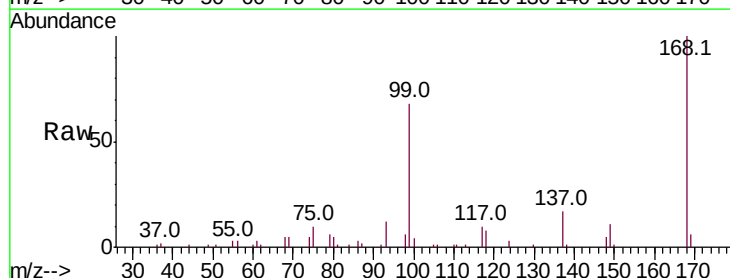
Tgt Ion: 56 Resp: 5196

Ion Ratio Lower Upper

56 100

69 170.1 23.4 35.2#

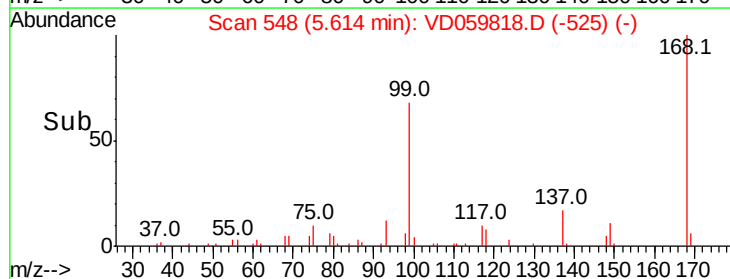
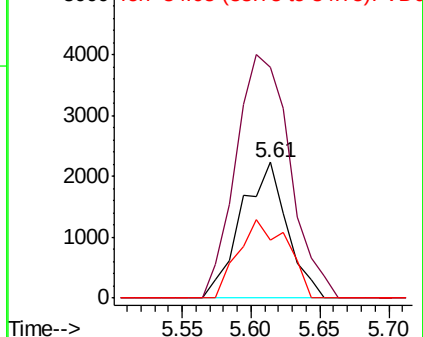
84 42.8 65.4 98.2#

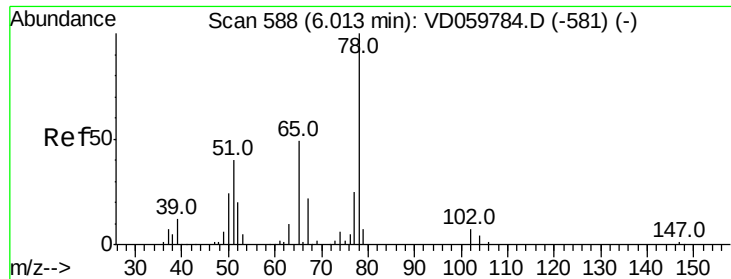


Abundance Ion 55.95 (55.65 to 56.65): VDC

Ion 69.00 (68.70 to 69.70): VDC

Ion 84.05 (83.75 to 84.75): VDC

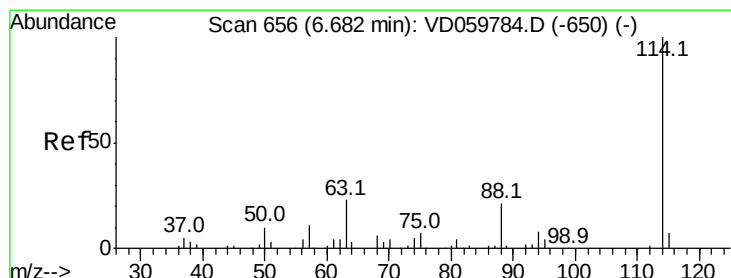
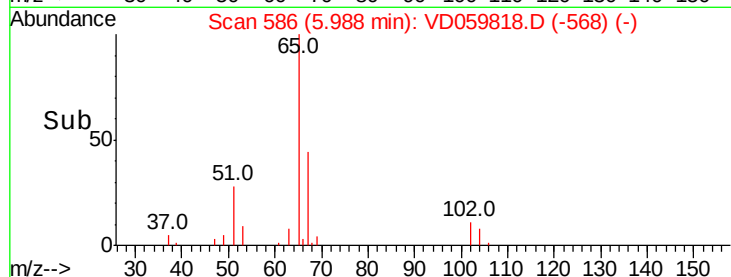
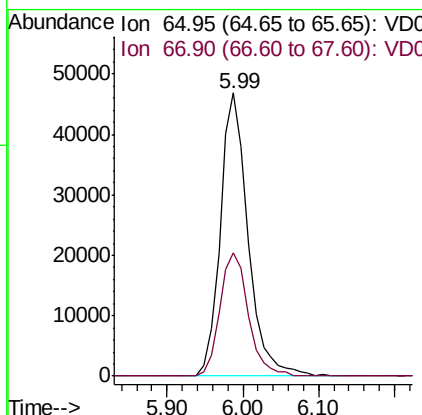
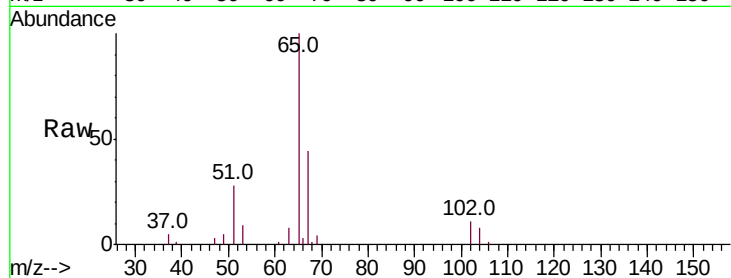




#33
 1,2-Dichloroethane-d4
 Concen: N.D. ug/l
 RT: 5.99 min Scan# 586
 Delta R.T. -0.02 min
 Lab File: VD059818.D
 Acq: 16 Aug 2018 18:44

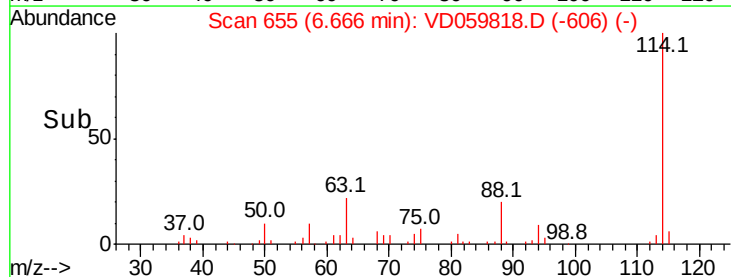
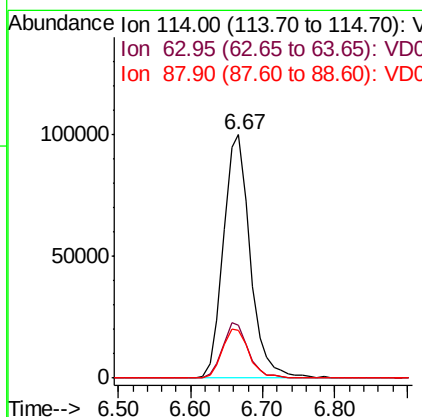
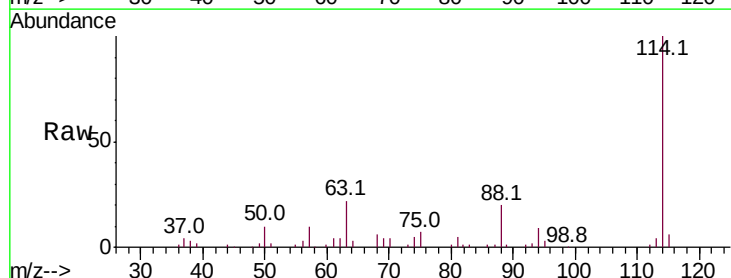
Instrument :
 MSVOA_D
 ClientSampleId :

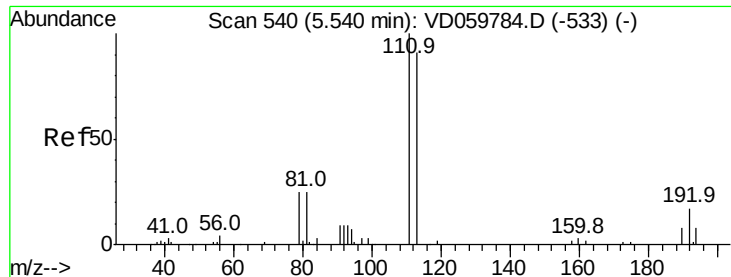
Tot Ion: 65 Resp: 118529
 Ion Ratio Lower Upper
 65 100
 67 43.7 0.0 87.8



#34
 1,4-Difluorobenzene
 Concen: 50.000 ug/l
 RT: 6.67 min Scan# 655
 Delta R.T. -0.02 min
 Lab File: VD059818.D
 Acq: 16 Aug 2018 18:44

Tgt Ion:114 Resp: 256364
 Ion Ratio Lower Upper
 114 100
 63 21.6 0.0 45.0
 88 19.9 0.0 41.2





#35

Dibromofluoromethane

Concen: 50.000 ug/l

RT: 5.52 min Scan# 538

Delta R.T. -0.02 min

Lab File: VD059818.D

Acq: 16 Aug 2018 18:44

Instrument :
MSVOA_D
ClientSampled :

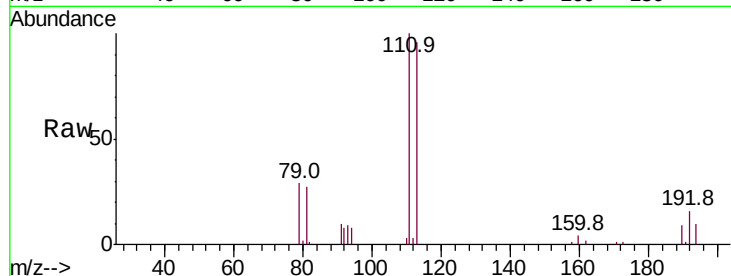
Tot Ion:113 Resp: 107316

Ion Ratio Lower Upper

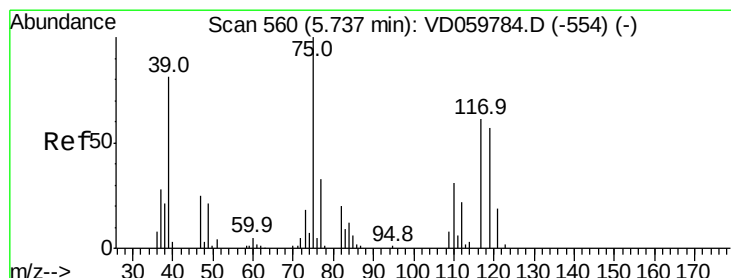
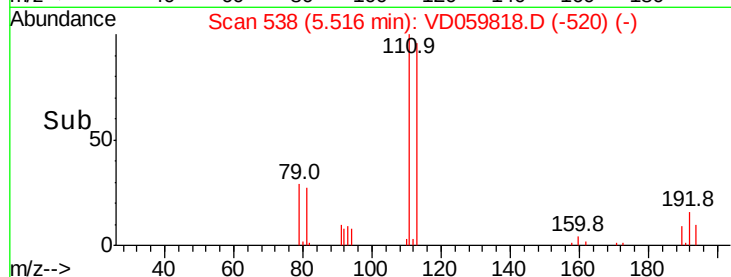
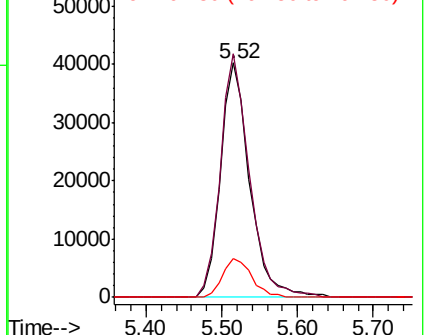
113 100

111 104.0 87.7 131.5

192 16.3 14.6 21.8



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: 7.130 ug/l

RT: 5.61 min Scan# 548

Delta R.T. -0.12 min

Lab File: VD059818.D

Acq: 16 Aug 2018 18:44

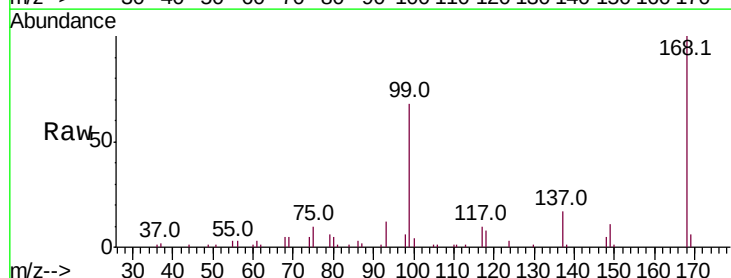
Tgt Ion: 75 Resp: 18753

Ion Ratio Lower Upper

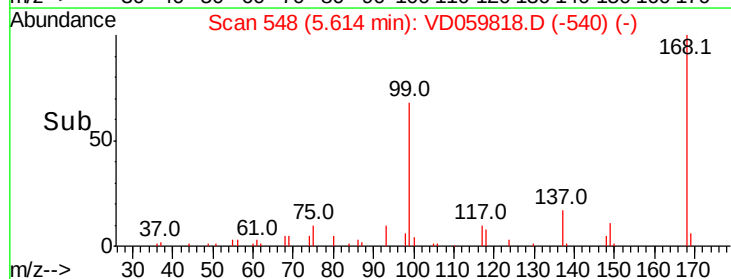
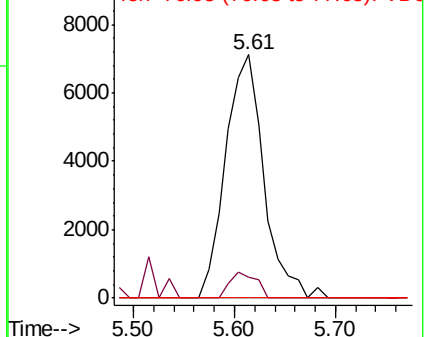
75 100

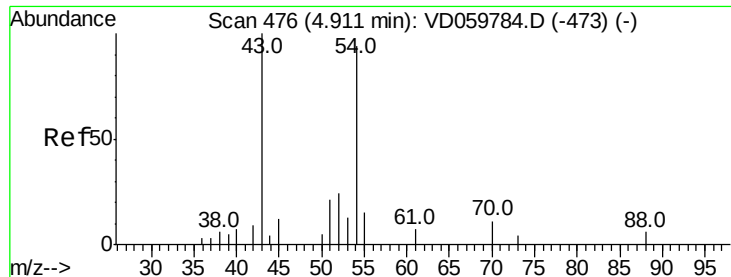
110 8.7 15.3 45.8#

77 0.0 26.2 39.4#



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: 10.897 ug/l

RT: 4.80 min Scan# 465

Delta R.T. -0.11 min

Lab File: VD059818.D

Acq: 16 Aug 2018 18:44

Instrument :

MSVOA_D

ClientSampleId :

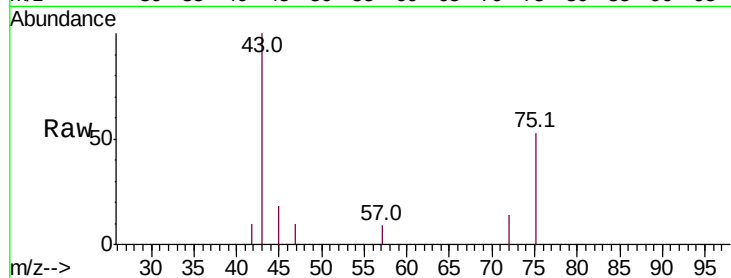
Tot Ion: 43 Resp: 14335

Ion Ratio Lower Upper

43 100

61 0.0 10.2 15.2#

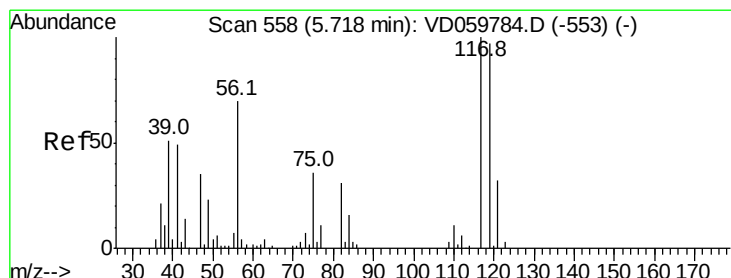
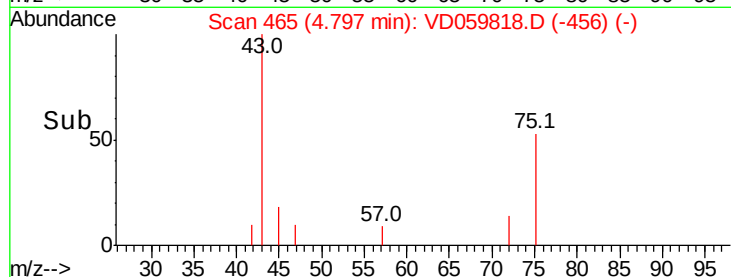
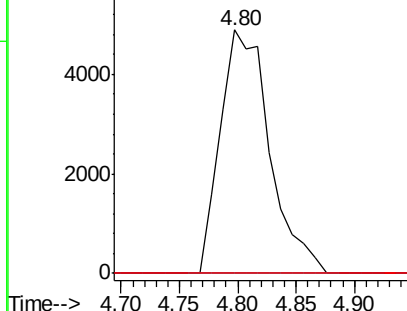
70 0.0 5.8 8.8#



Abundance Ion 42.95 (42.65 to 43.65): VDC

Ion 60.95 (60.65 to 61.65): VDC

Ion 70.00 (69.70 to 70.70): VDC



#38

Carbon Tetrachloride

Concen: 6.597 ug/l

RT: 5.60 min Scan# 547

Delta R.T. -0.11 min

Lab File: VD059818.D

Acq: 16 Aug 2018 18:44

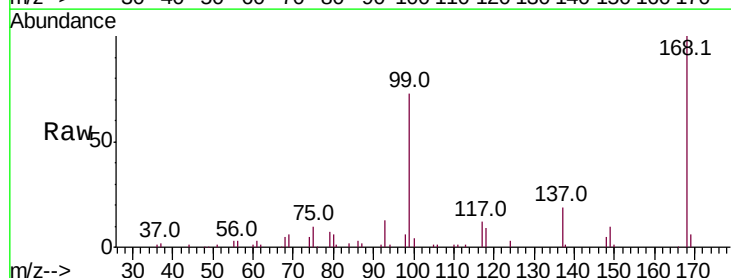
Tgt Ion: 117 Resp: 20934

Ion Ratio Lower Upper

117 100

119 0.0 75.7 113.5#

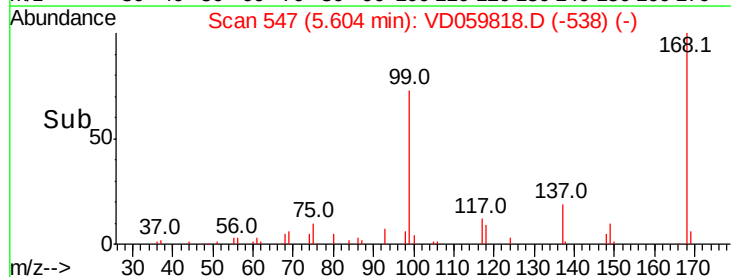
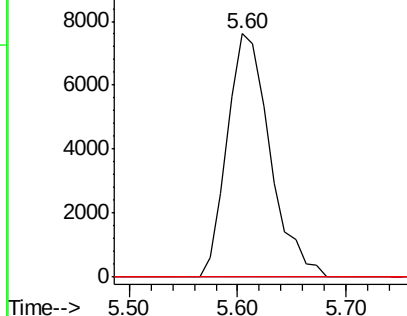
121 0.0 24.7 37.1#

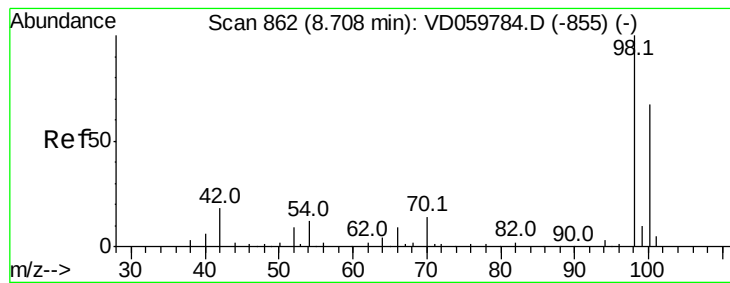


Abundance Ion 116.85 (116.55 to 117.55): V

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: 8.68 min Scan# 860

Delta R.T. -0.02 min

Lab File: VD059818.D

Acq: 16 Aug 2018 18:44

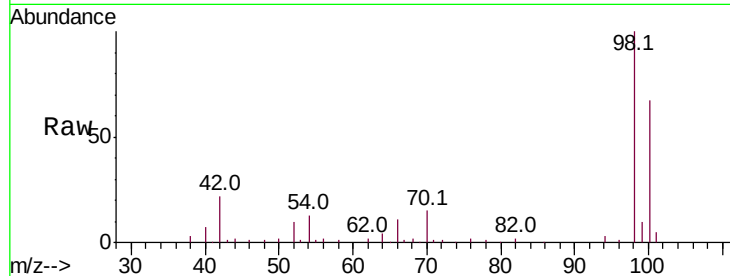
Instrument :
MSVOA_D
ClientSampleId :

Tot Ion: 98 Resp: 207491

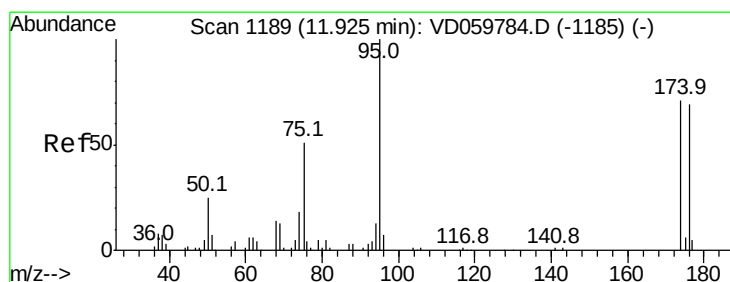
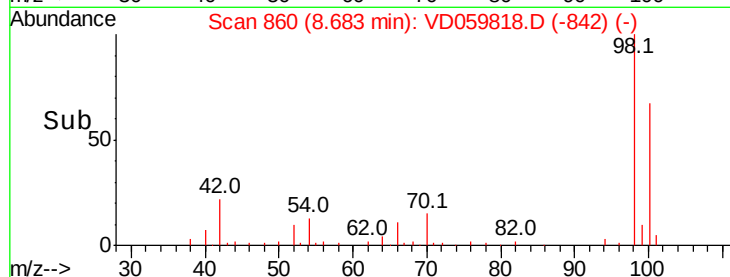
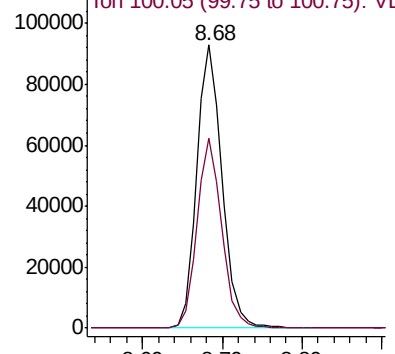
Ion Ratio Lower Upper

98 100

100 67.2 54.2 81.4



Abundance Ion 98.05 (97.75 to 98.75): VD059784.D (-855) (-)



#62

4-Bromofluorobenzene

Concen: N.D. ug/l

RT: 11.92 min Scan# 1189

Delta R.T. -0.01 min

Lab File: VD059818.D

Acq: 16 Aug 2018 18:44

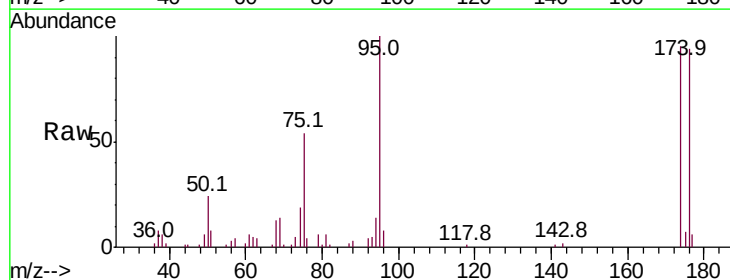
Tgt Ion: 95 Resp: 74812

Ion Ratio Lower Upper

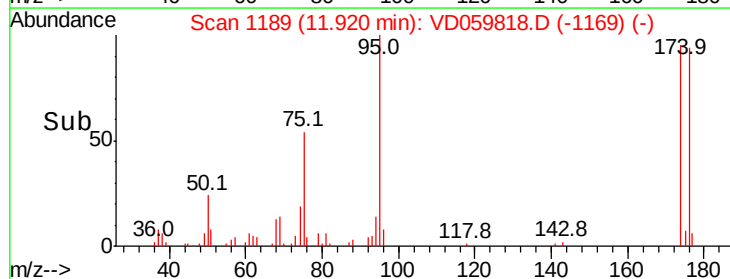
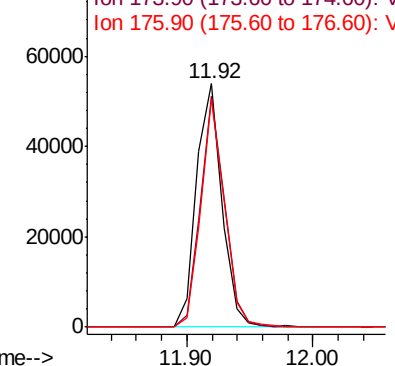
95 100

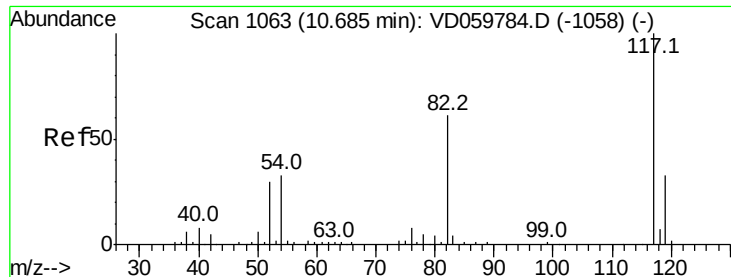
174 94.7 0.0 142.2

176 93.8 0.0 137.4



Abundance Ion 95.00 (94.70 to 95.70): VD059784.D (-1185) (-)

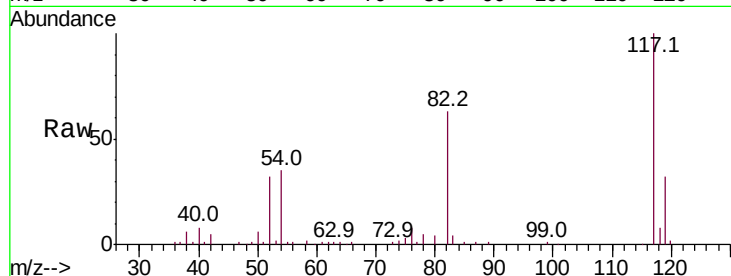




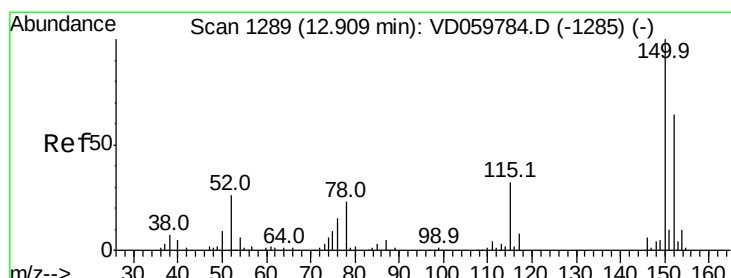
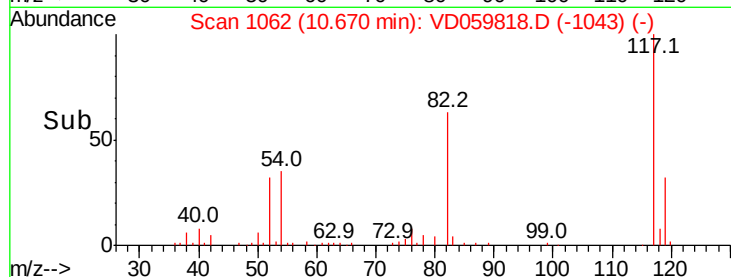
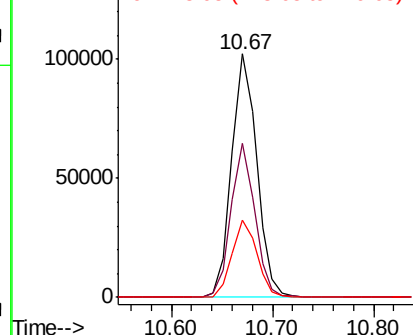
#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 10.67 min Scan# 1062
Delta R.T. -0.02 min
Lab File: VD059818.D
Acq: 16 Aug 2018 18:44

Instrument :
MSVOA_D
ClientSampled :

Tot Ion:117 Resp: 176894
Ion Ratio Lower Upper
117 100
82 63.4 49.0 73.6
119 31.9 26.2 39.2

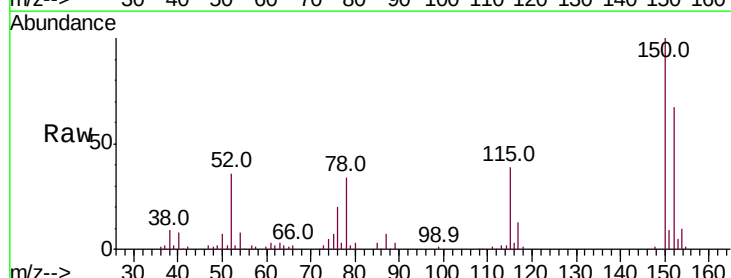


Abundance Ion 116.95 (116.65 to 117.65): V
Ion 82.05 (81.75 to 82.75): V
Ion 118.95 (118.65 to 119.65): V

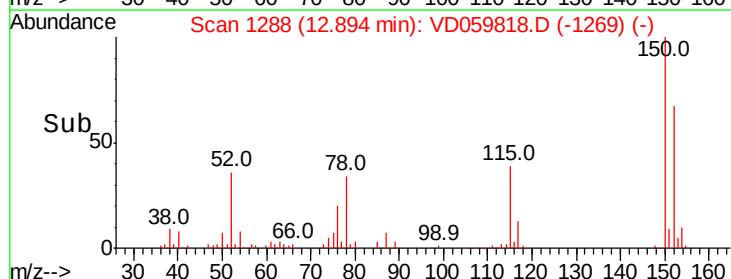
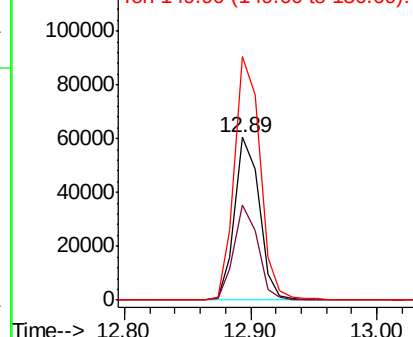


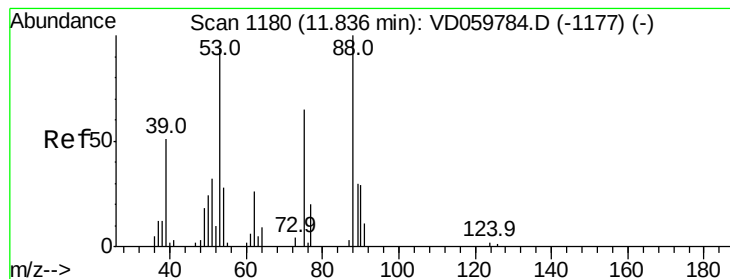
#72
1,4-Dichlorobenzene-d4
Concen: 50.000 ug/l
RT: 12.89 min Scan# 1288
Delta R.T. -0.02 min
Lab File: VD059818.D
Acq: 16 Aug 2018 18:44

Tgt Ion:152 Resp: 81424
Ion Ratio Lower Upper
152 100
115 58.2 27.2 81.5
150 149.6 0.0 312.4



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: 149.321 ug/l

RT: 11.92 min Scan# 1189

Delta R.T. 0.08 min

Lab File: VD059818.D

Acq: 16 Aug 2018 18:44

Instrument :

MSVOA_D

ClientSampleId :

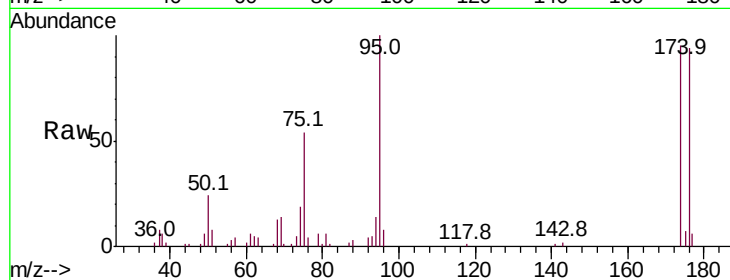
Tot Ion: 75 Resp: 40359

Ion Ratio Lower Upper

75 100

53 0.0 116.2 174.2#

89 0.0 37.0 55.6#



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

