

Data Path : Z:\VOASRV\HPCHEM1\MSVOA D\DATA\VD081618\
 Data File : VD059816.D
 Acq On : 16 Aug 2018 17:47
 Operator : VA/AP
 Sample : J4460-14
 Misc : 5.05g/5ml/MSVOA D/SOIL
 ALS Vial : 11 Sample Multiplier: 1

Instrument :
 MSVOA_D
 ClientSampleId :

Quant Time: Aug 17 05:35:11 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	5.62	168	262487	50.00	ug/l	-0.02
34) 1,4-Difluorobenzene	6.67	114	325782	50.00	ug/l	-0.01
63) Chlorobenzene-d5	10.68	117	243035	50.00	ug/l	-0.01
72) 1,4-Dichlorobenzene-d4	12.90	152	115582	50.00	ug/l	-0.01

System Monitoring Compounds	R.T.	QIon	Response	Conc	Units	Dev(Min)
33) 1,2-Dichloroethane-d4	5.99	65	154172	45.71	ug/l	-0.02
Spiked Amount			Recovery	=	91.42%	
35) Dibromofluoromethane	5.52	113	141023	49.67	ug/l	-0.02
Spiked Amount			Recovery	=	99.34%	
50) Toluene-d8	8.69	98	288535	42.91	ug/l	-0.02
Spiked Amount			Recovery	=	85.82%	
62) 4-Bromofluorobenzene	11.91	95	109367	36.31	ug/l	-0.01
Spiked Amount			Recovery	=	72.62%	

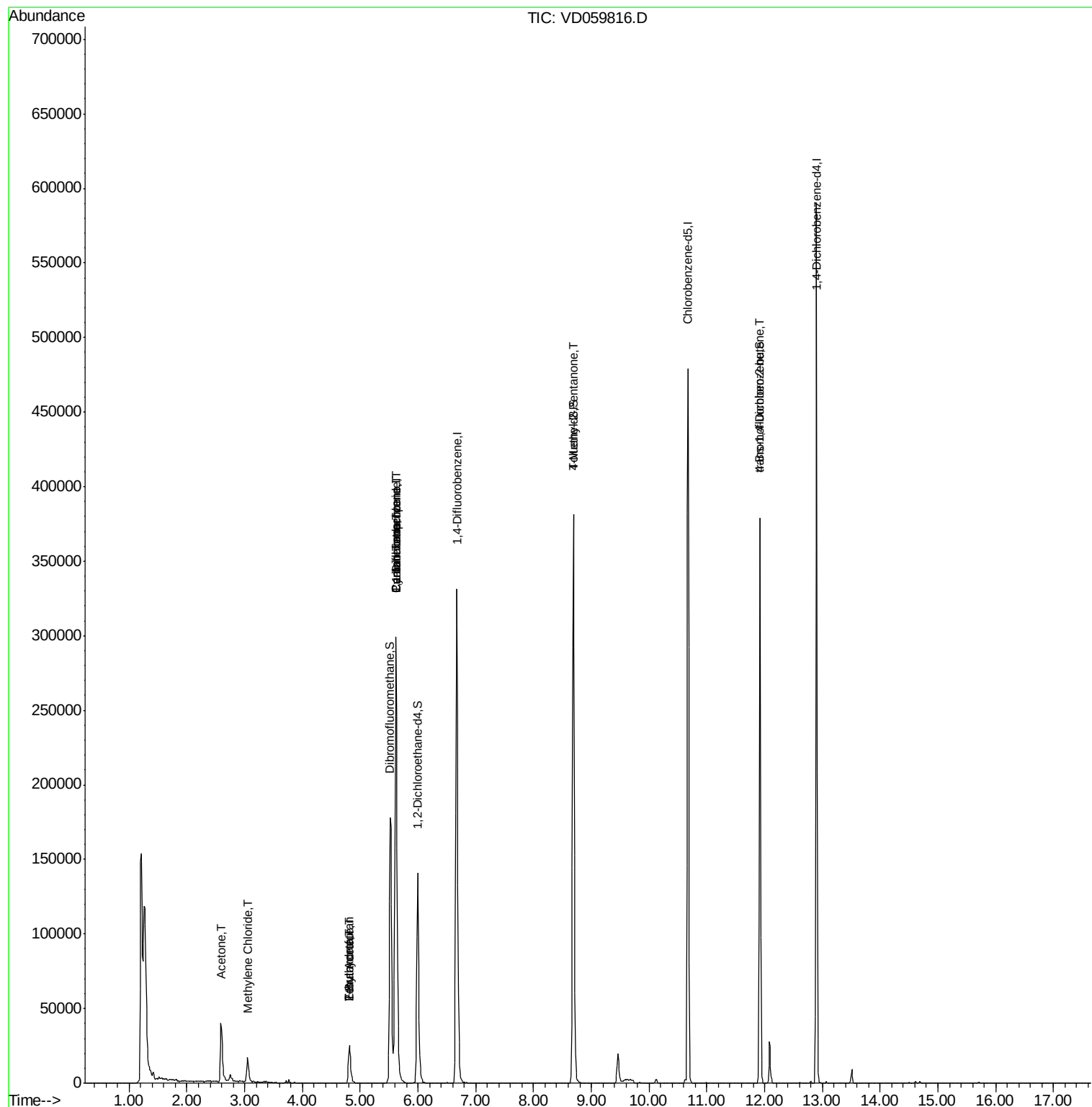
Target Compounds	R.T.	QIon	Response	Conc	Units	Qvalue
16) Acetone	2.59	43	72911	136.989	ug/l	99
20) Methylene Chloride	3.05	84	7661	2.363	ug/l	91
25) 2-Butanone	4.81	43	20319	24.943	ug/l	99
29) Tetrahydrofuran	4.81	42	1063	3.059	ug/l #	1
31) Cyclohexane	5.62	56	6543	1.910	ug/l #	7
36) 1,1-Dichloropropene	5.62	75	23349	6.986	ug/l #	51
37) Ethyl Acetate	4.81	43	20319	12.154	ug/l #	72
38) Carbon Tetrachloride	5.62	117	25715	6.377	ug/l #	13
51) 4-Methyl-2-Pentanone	8.68	43	1767	1.107	ug/l #	1
81) trans-1,4-Dichloro-2-buten	11.91	75	57979	151.117	ug/l #	1

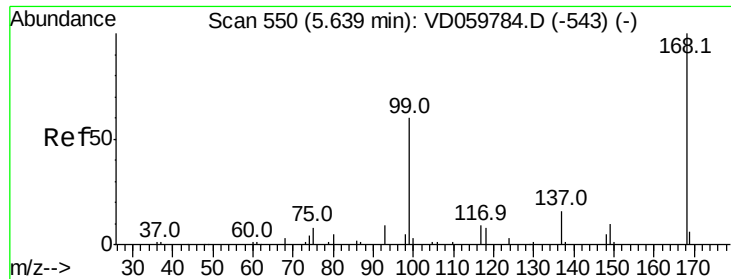
(#) = qualifier out of range (m) = manual integration (+) = signals summed

Data Path : Z:\V0ASRV\HPCHEM1\MSVOA D\DATA\VD081618\
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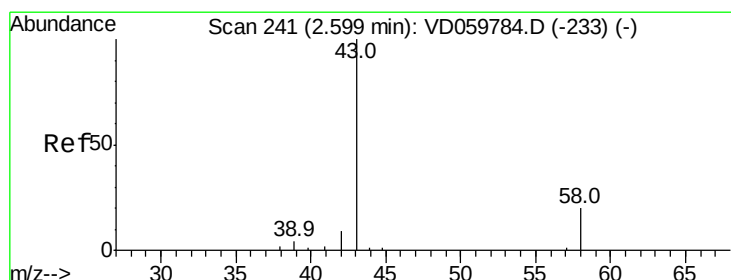
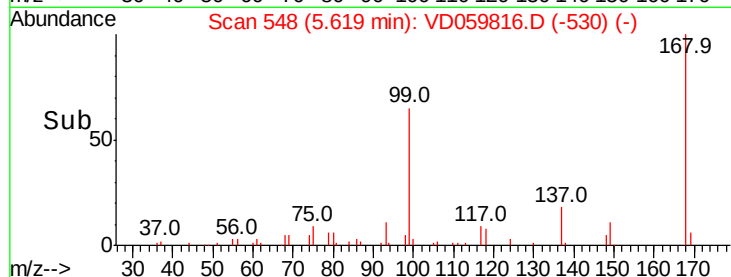
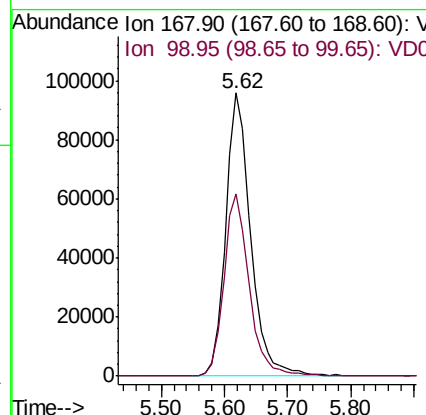
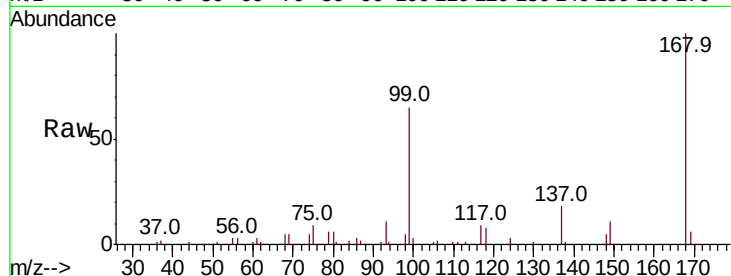




#1
Pentafluorobenzene
Concen: 50.000 ug/l
RT: 5.62 min Scan# 548
Delta R.T. -0.02 min
Lab File: VD059816.D
Acq: 16 Aug 2018 17:47

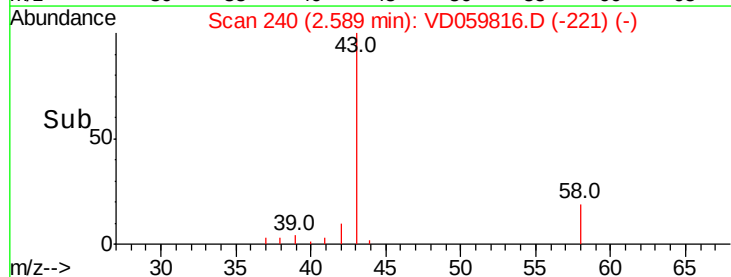
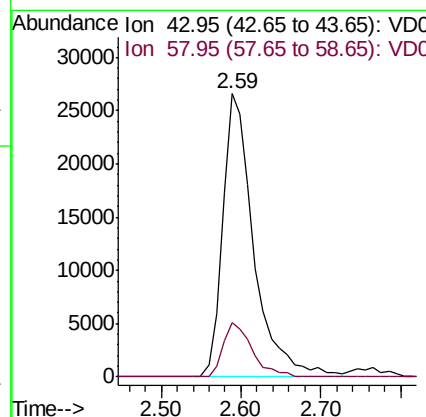
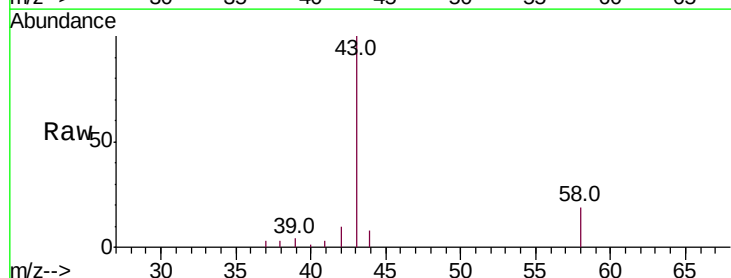
Instrument :
MSVOA_D
ClientSampleId :

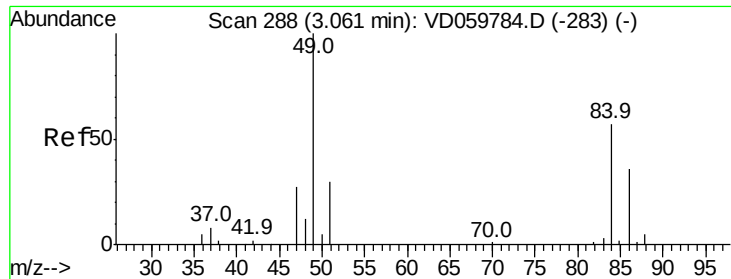
Tot Ion:168 Resp: 262487
Ion Ratio Lower Upper
168 100
99 64.6 50.3 75.5



#16
Acetone
Concen: 136.989 ug/l
RT: 2.59 min Scan# 240
Delta R.T. -0.01 min
Lab File: VD059816.D
Acq: 16 Aug 2018 17:47

Tgt Ion: 43 Resp: 72911
Ion Ratio Lower Upper
43 100
58 19.2 15.7 23.5

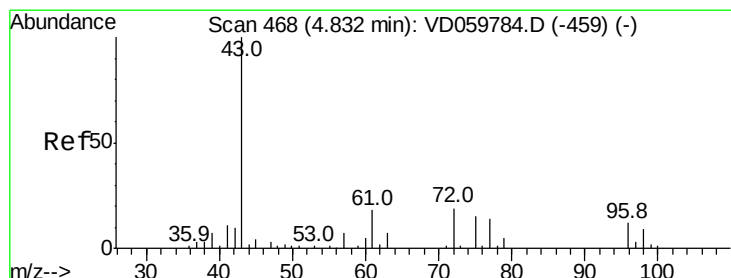
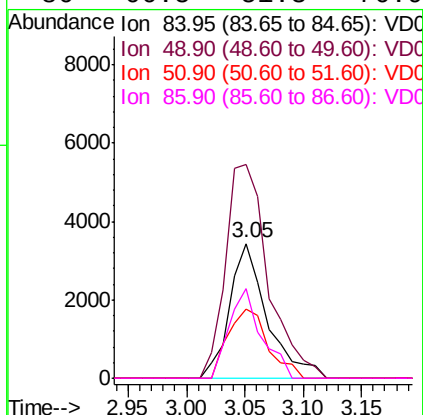
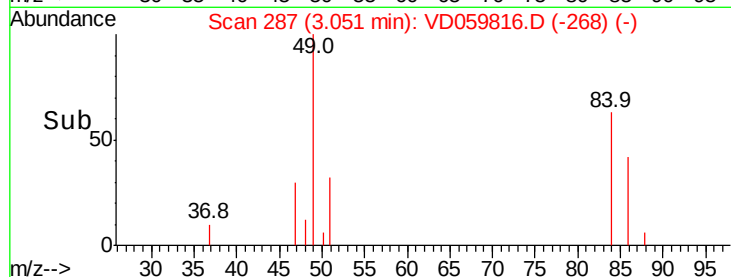
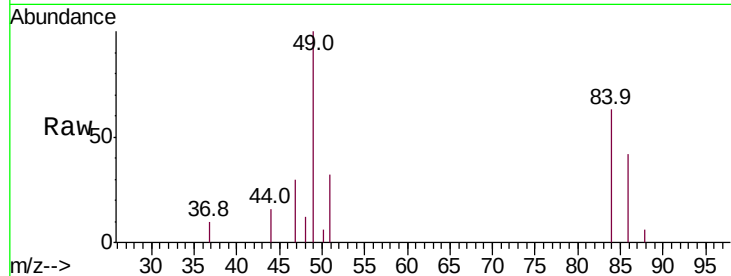




#20
Methvlene Chloride
Concen: 2.363 ug/l
RT: 3.05 min Scan# 287
Delta R.T. -0.01 min
Lab File: VD059816.D
Acq: 16 Aug 2018 17:47

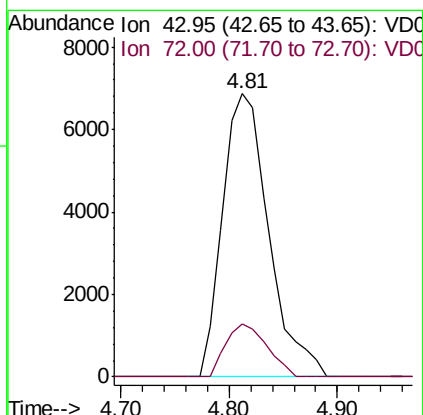
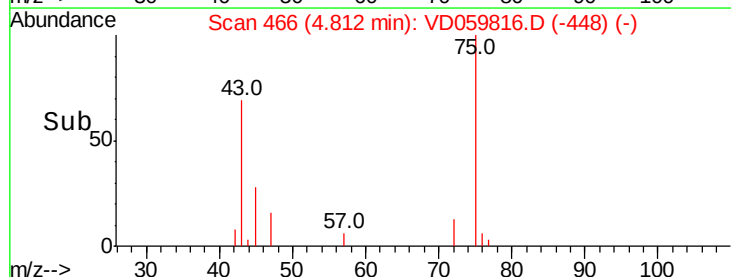
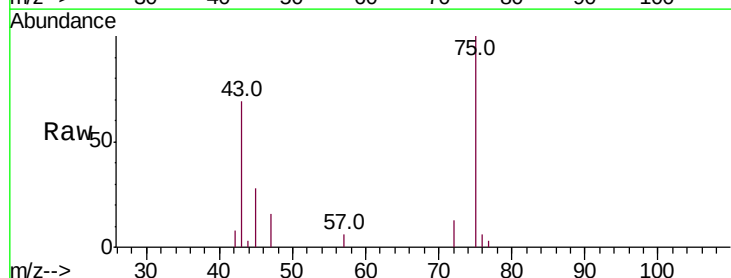
Instrument :
MSVOA_D
ClientSampleId :

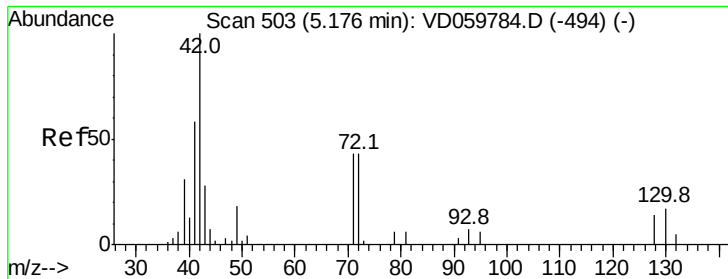
Tot Ion:	84	Resp:	7661
Ion	Ratio	Lower	Upper
84	100		
49	158.2	140.9	211.3
51	51.2	42.8	64.2
86	66.5	51.3	76.9



#25
2-Butanone
Concen: 24.943 ug/l
RT: 4.81 min Scan# 466
Delta R.T. -0.02 min
Lab File: VD059816.D
Acq: 16 Aug 2018 17:47

Tgt Ion:	43	Resp:	20319
Ion	Ratio	Lower	Upper
43	100		
72	18.9	14.9	22.3





#29

Tetrahydrofuran

Concen: 3.059 ug/l

RT: 4.81 min Scan# 466

Delta R.T. -0.36 min

Lab File: VD059816.D

Acq: 16 Aug 2018 17:47

Instrument :

MSVOA_D

ClientSampleId :

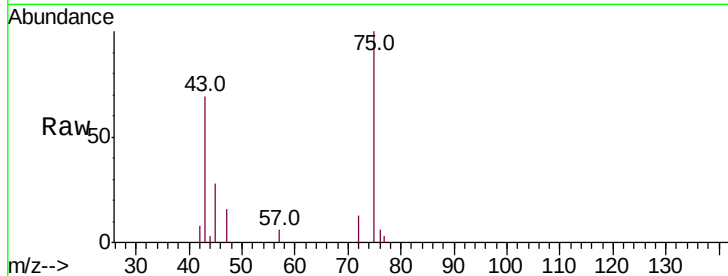
Tot Ion: 42 Resp: 1063

Ion Ratio Lower Upper

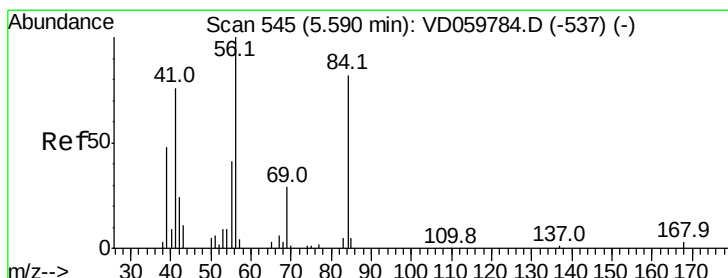
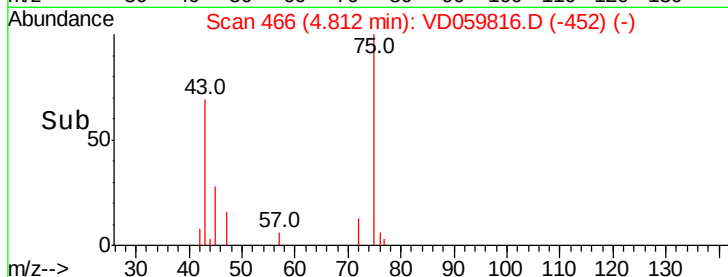
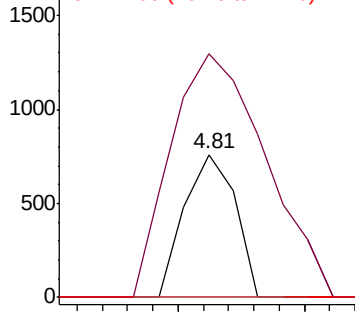
42 100

72 318.9 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: 1.910 ug/l

RT: 5.62 min Scan# 548

Delta R.T. 0.03 min

Lab File: VD059816.D

Acq: 16 Aug 2018 17:47

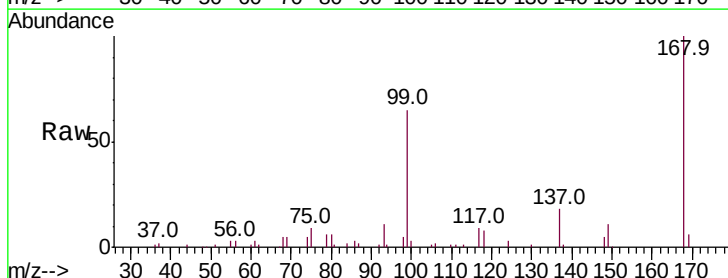
Tgt Ion: 56 Resp: 6543

Ion Ratio Lower Upper

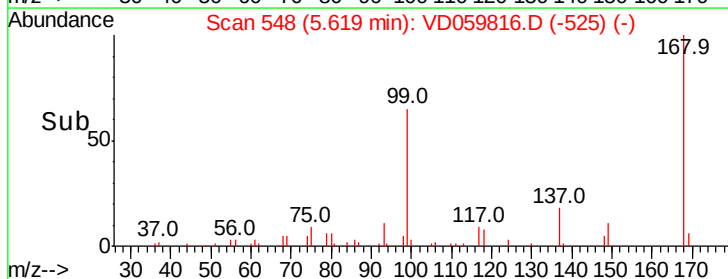
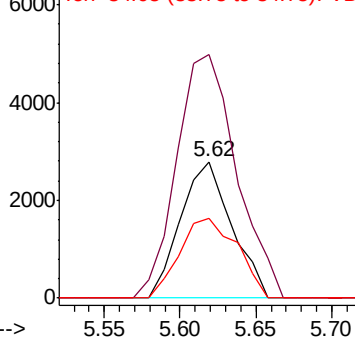
56 100

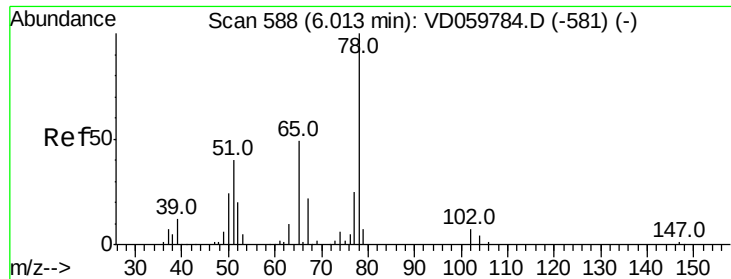
69 178.8 23.4 35.2#

84 58.2 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: VD059816.D

Acq: 16 Aug 2018 17:47

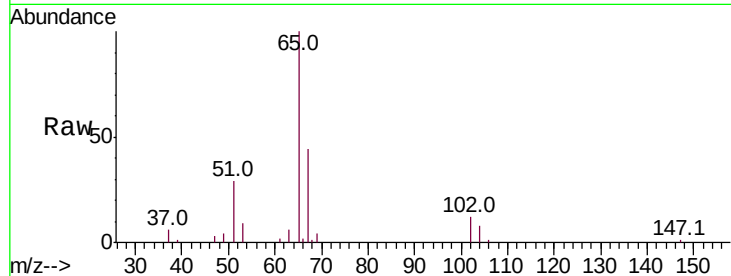
Instrument :
MSVOA_D
ClientSampleId :

Tot Ion: 65 Resp: 154172

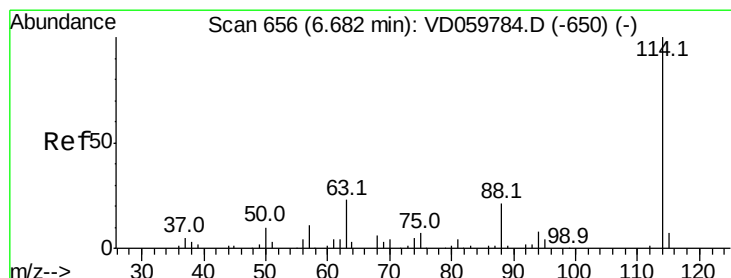
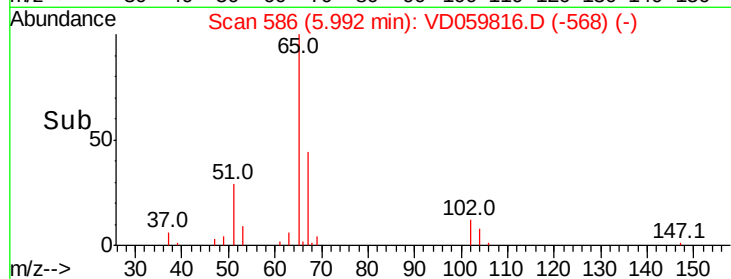
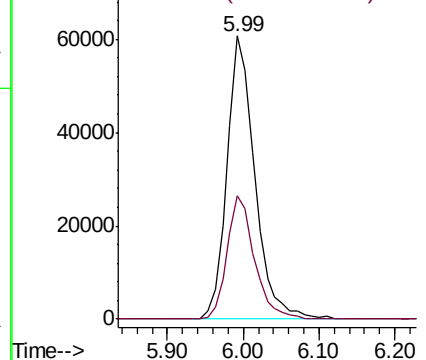
Ion Ratio Lower Upper

65 100

67 43.8 0.0 87.8



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: 6.67 min Scan# 655

Delta R.T. -0.01 min

Lab File: VD059816.D

Acq: 16 Aug 2018 17:47

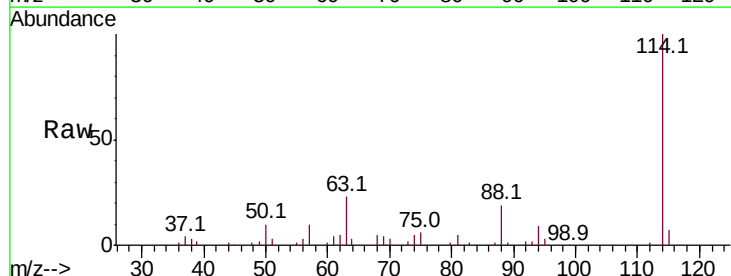
Tgt Ion: 114 Resp: 325782

Ion Ratio Lower Upper

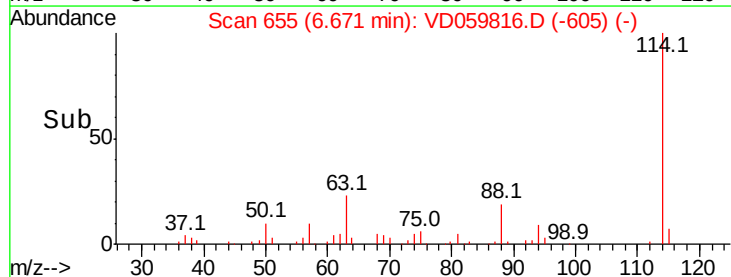
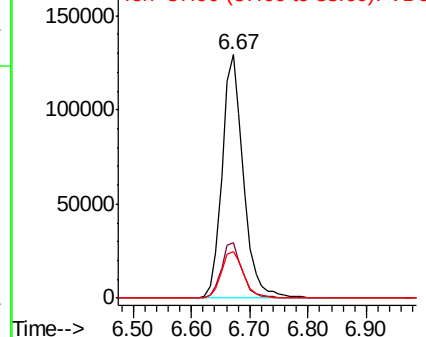
114 100

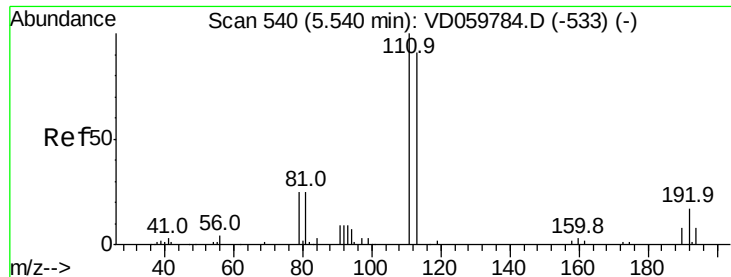
63 22.7 0.0 45.0

88 19.3 0.0 41.2



Abundance Ion 114.00 (113.70 to 114.70): VDC
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: 5.52 min Scan# 538

Delta R.T. -0.02 min

Lab File: VD059816.D

Acq: 16 Aug 2018 17:47

Instrument :

MSVOA_D

ClientSampleId :

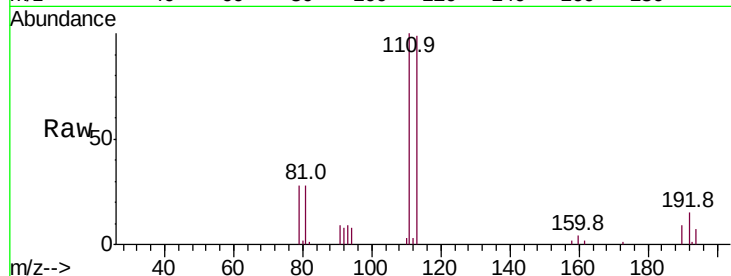
Tot Ion:113 Resp: 141023

Ion Ratio Lower Upper

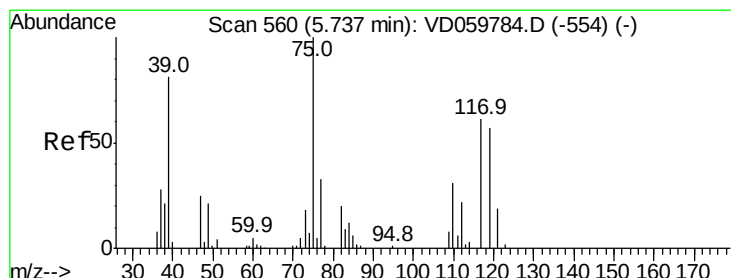
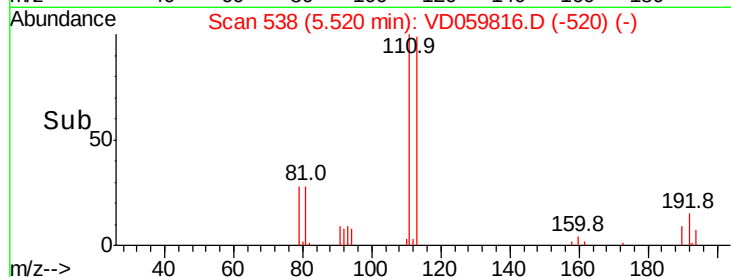
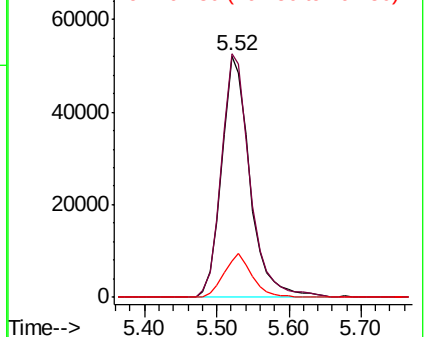
113 100

111 100.9 87.7 131.5

192 15.3 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: 6.986 ug/l

RT: 5.62 min Scan# 548

Delta R.T. -0.12 min

Lab File: VD059816.D

Acq: 16 Aug 2018 17:47

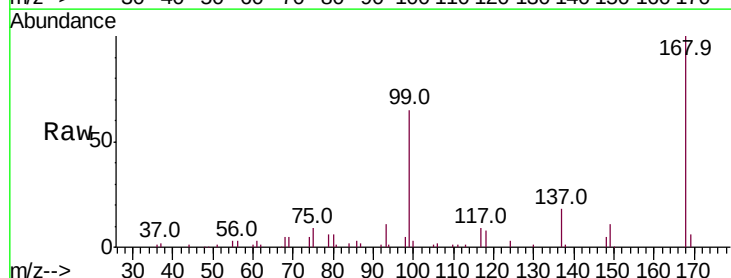
Tgt Ion: 75 Resp: 23349

Ion Ratio Lower Upper

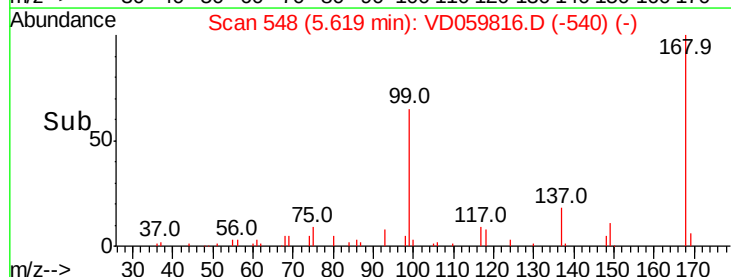
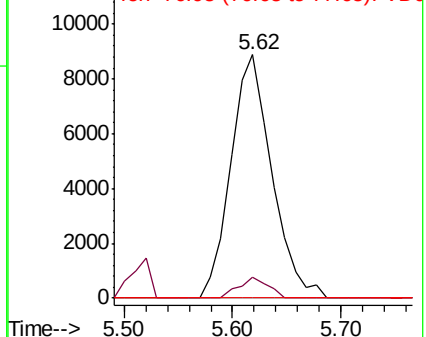
75 100

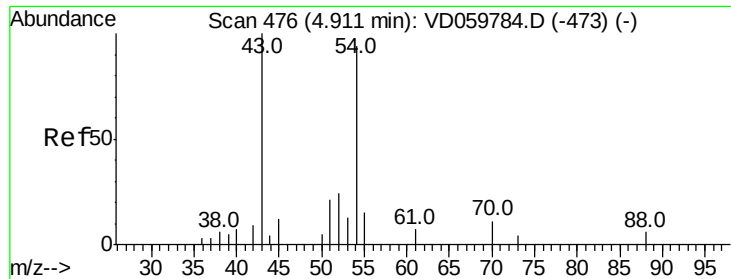
110 8.6 15.3 45.8#

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

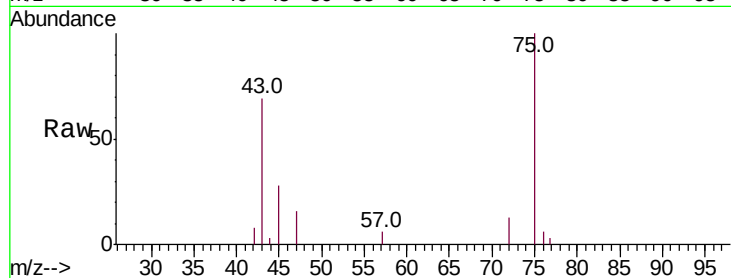




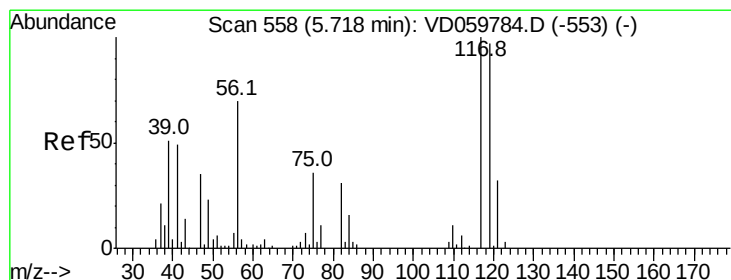
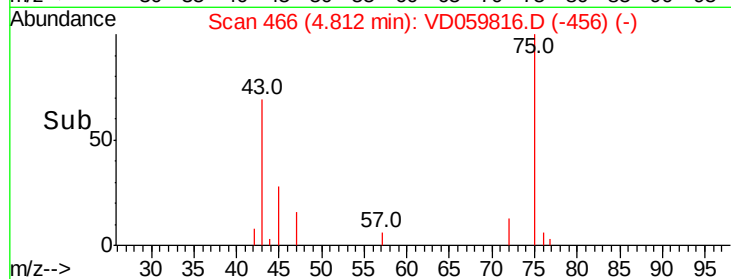
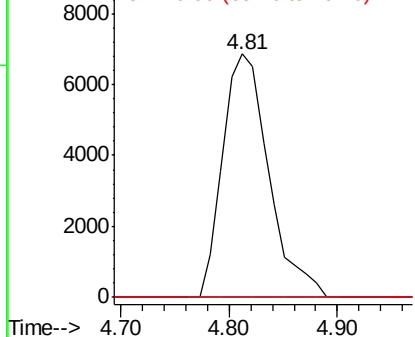
#37
Ethyl Acetate
Concen: 12.154 ug/l
RT: 4.81 min Scan# 466
Delta R.T. -0.10 min
Lab File: VD059816.D
Acq: 16 Aug 2018 17:47

Instrument :
MSVOA_D
ClientSampleId :

Tot Ion: 43 Resp: 20319
Ion Ratio Lower Upper
43 100
61 0.0 10.2 15.2#
70 0.0 5.8 8.8#

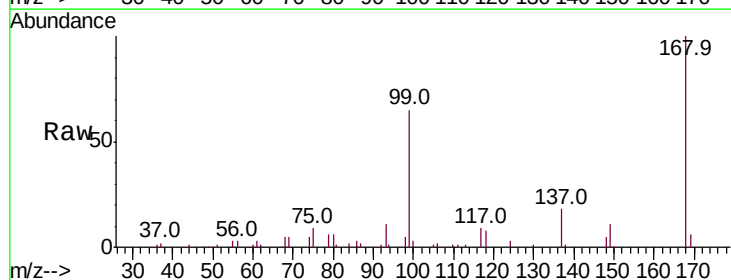


Abundance Ion 42.95 (42.65 to 43.65): VDC
Ion 60.95 (60.65 to 61.65): VDC
Ion 70.00 (69.70 to 70.70): VDC

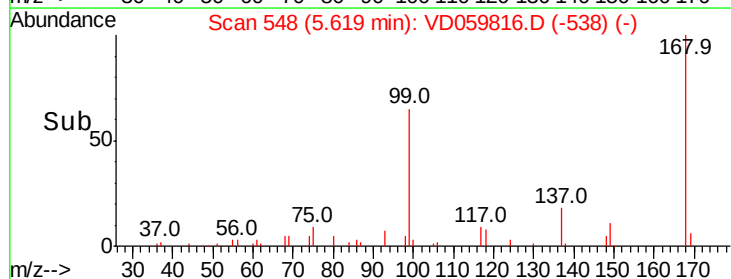
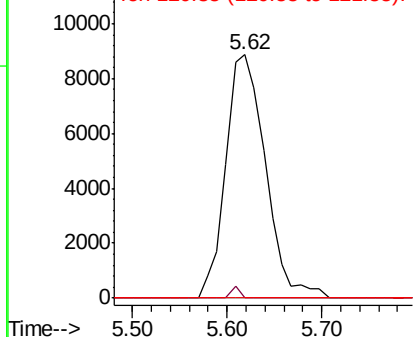


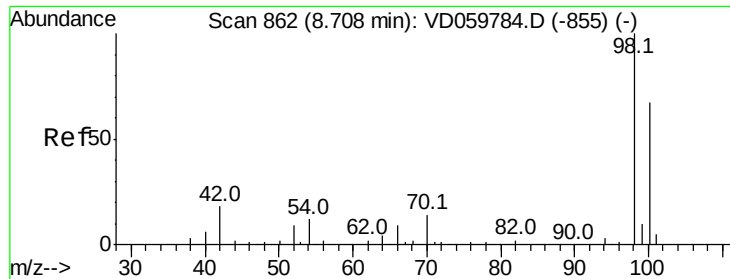
#38
Carbon Tetrachloride
Concen: 6.377 ug/l
RT: 5.62 min Scan# 548
Delta R.T. -0.10 min
Lab File: VD059816.D
Acq: 16 Aug 2018 17:47

Tgt Ion: 117 Resp: 25715
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: 8.69 min Scan# 860

Delta R.T. -0.02 min

Lab File: VD059816.D

Acq: 16 Aug 2018 17:47

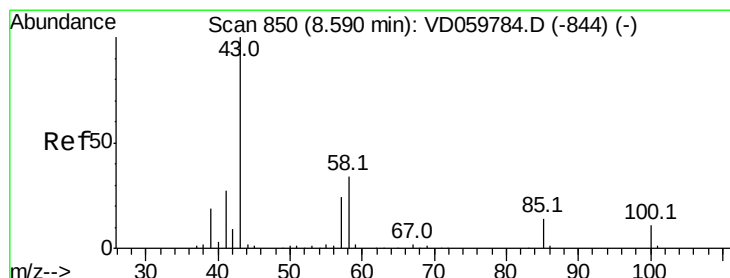
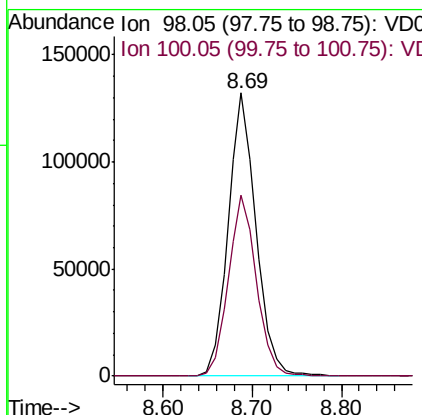
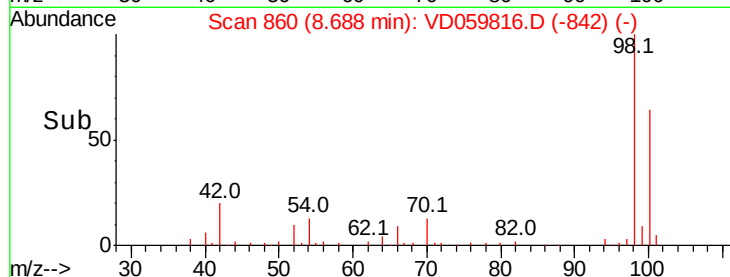
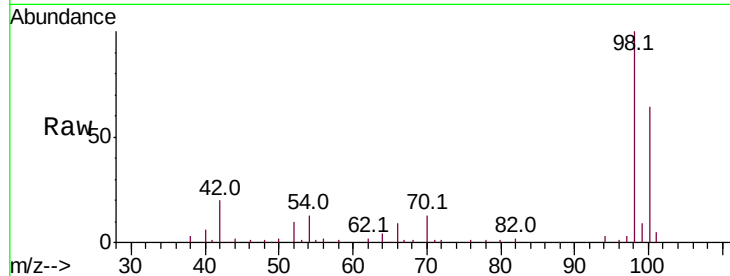
Instrument :
MSVOA_D
ClientSampleId :

Tot Ion: 98 Resp: 288535

Ion Ratio Lower Upper

98 100

100 64.0 54.2 81.4



#51

4-Methyl-2-Pentanone

Concen: 1.107 ug/l

RT: 8.68 min Scan# 859

Delta R.T. 0.09 min

Lab File: VD059816.D

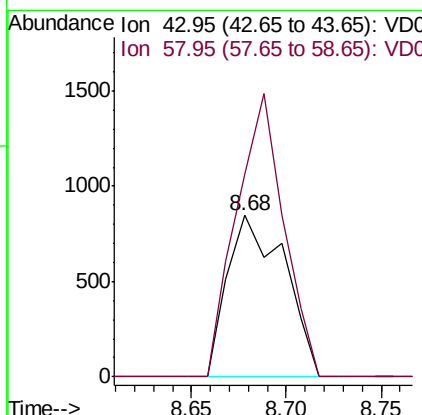
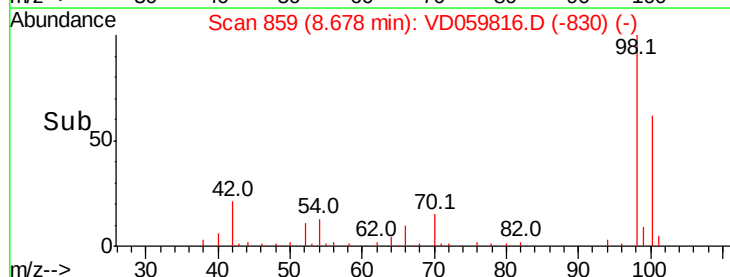
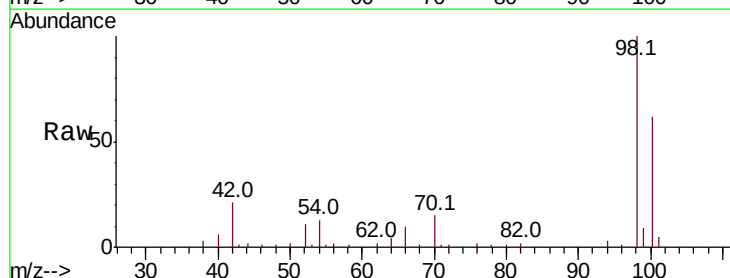
Acq: 16 Aug 2018 17:47

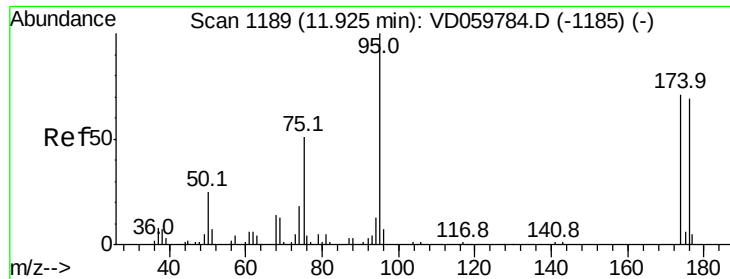
Tgt Ion: 43 Resp: 1767

Ion Ratio Lower Upper

43 100

58 125.6 27.5 41.3#





#62

4-Bromofluorobenzene

Concen: N.D. ug/l

RT: 11.91 min Scan# 1188

Delta R.T. -0.01 min

Lab File: VD059816.D

Acq: 16 Aug 2018 17:47

Instrument :

MSVOA_D

ClientSampled :

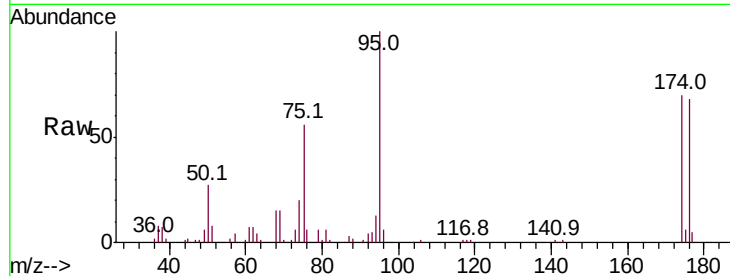
Tot Ion: 95 Resp: 109367

Ion Ratio Lower Upper

95 100

174 69.6 0.0 142.2

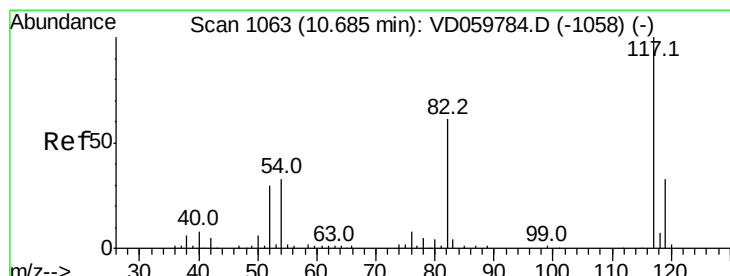
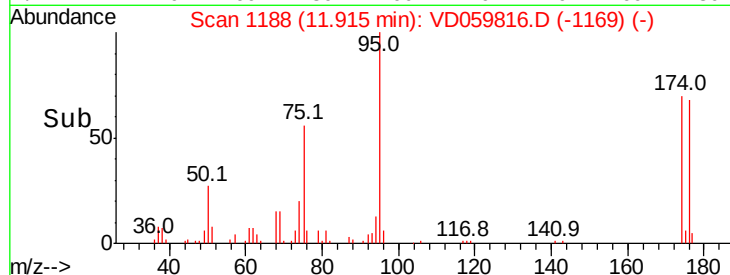
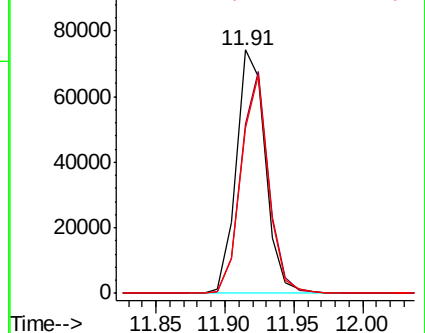
176 67.8 0.0 137.4



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



#63

Chlorobenzene-d5

Concen: 50.000 ug/l

RT: 10.68 min Scan# 1062

Delta R.T. -0.01 min

Lab File: VD059816.D

Acq: 16 Aug 2018 17:47

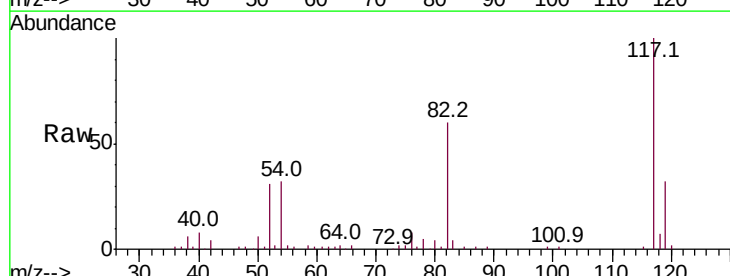
Tgt Ion: 117 Resp: 243035

Ion Ratio Lower Upper

117 100

82 59.9 49.0 73.6

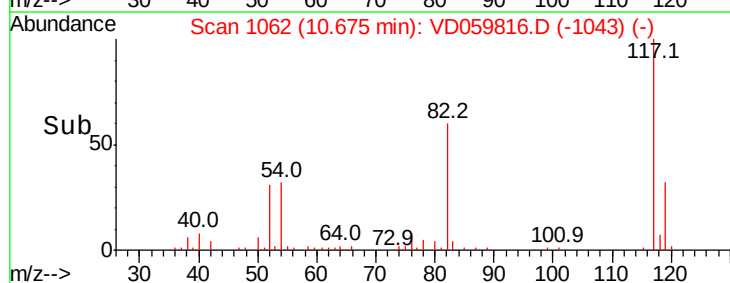
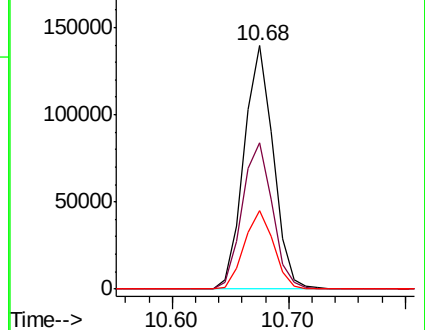
119 32.4 26.2 39.2

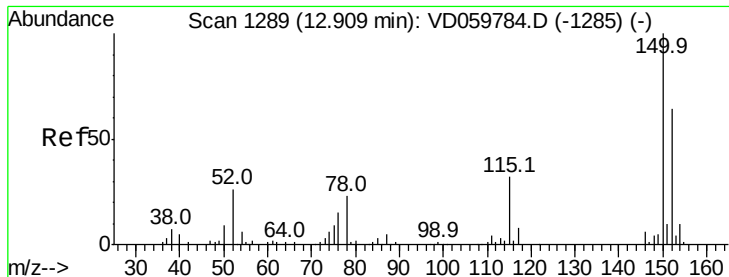


Abundance Ion 116.95 (116.65 to 117.65): V

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: 12.90 min Scan# 1288

Delta R.T. -0.01 min

Lab File: VD059816.D

Acq: 16 Aug 2018 17:47

Instrument :

MSVOA_D

ClientSampleId :

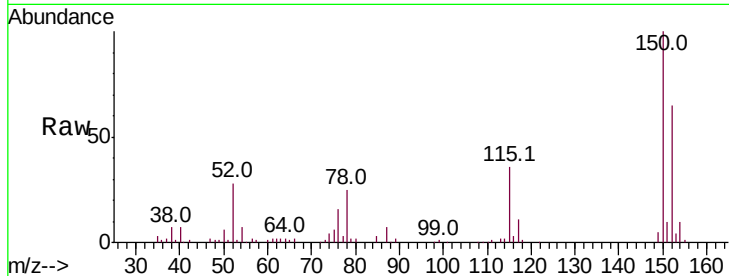
Tot Ion:152 Resp: 115582

Ion Ratio Lower Upper

152 100

115 55.9 27.2 81.5

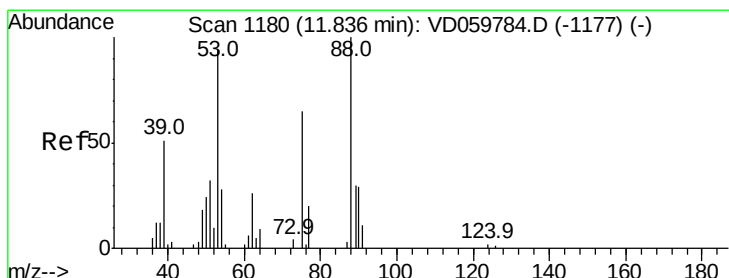
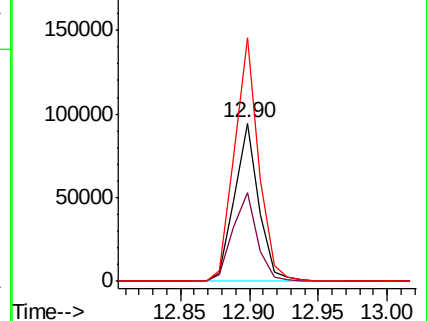
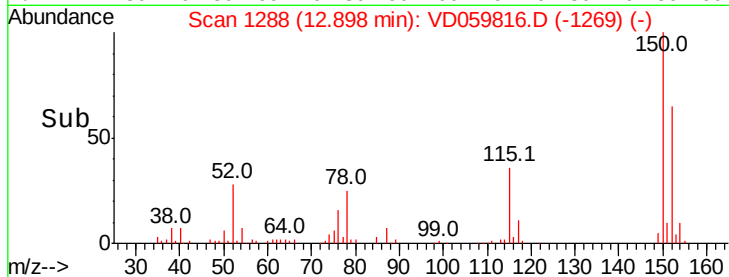
150 154.0 0.0 312.4



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: 151.117 ug/l

RT: 11.91 min Scan# 1188

Delta R.T. 0.08 min

Lab File: VD059816.D

Acq: 16 Aug 2018 17:47

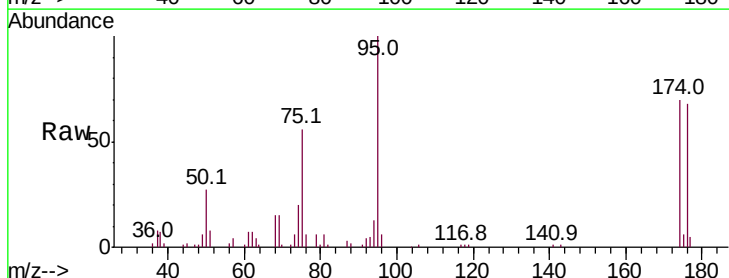
Tgt Ion: 75 Resp: 57979

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): V

Ion 53.00 (52.70 to 53.70): V

Ion 89.00 (88.70 to 89.70): V

