

Data Path : Z:\VOASRV\HPCHEM1\MSVOA D\DATA\VD081618\
 Data File : VD059819.D
 Acq On : 16 Aug 2018 19:13
 Operator : VA/AP
 Sample : J4501-04
 Misc : 5.00µl/5ml/MSVOA D/SOIL
 ALS Vial : 14 Sample Multiplier: 1

Instrument :
 MSVOA_D
 ClientSampleId :

Quant Time: Aug 17 05:35:40 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	227586	50.00	ug/l	-0.02
34) 1,4-Difluorobenzene	6.66	114	291984	50.00	ug/l	-0.02
63) Chlorobenzene-d5	10.67	117	213976	50.00	ug/l	-0.01
72) 1,4-Dichlorobenzene-d4	12.90	152	98549	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	143125	48.95	ug/l	-0.02
Spiked Amount 50.000			Recovery	=	97.90%	
35) Dibromofluoromethane	5.52	113	128380	50.45	ug/l	-0.02
Spiked Amount 50.000			Recovery	=	100.90%	
50) Toluene-d8	8.69	98	259811	43.11	ug/l	-0.02
Spiked Amount 50.000			Recovery	=	86.22%	
62) 4-Bromofluorobenzene	11.91	95	98420	36.46	ug/l	-0.01
Spiked Amount 50.000			Recovery	=	72.92%	

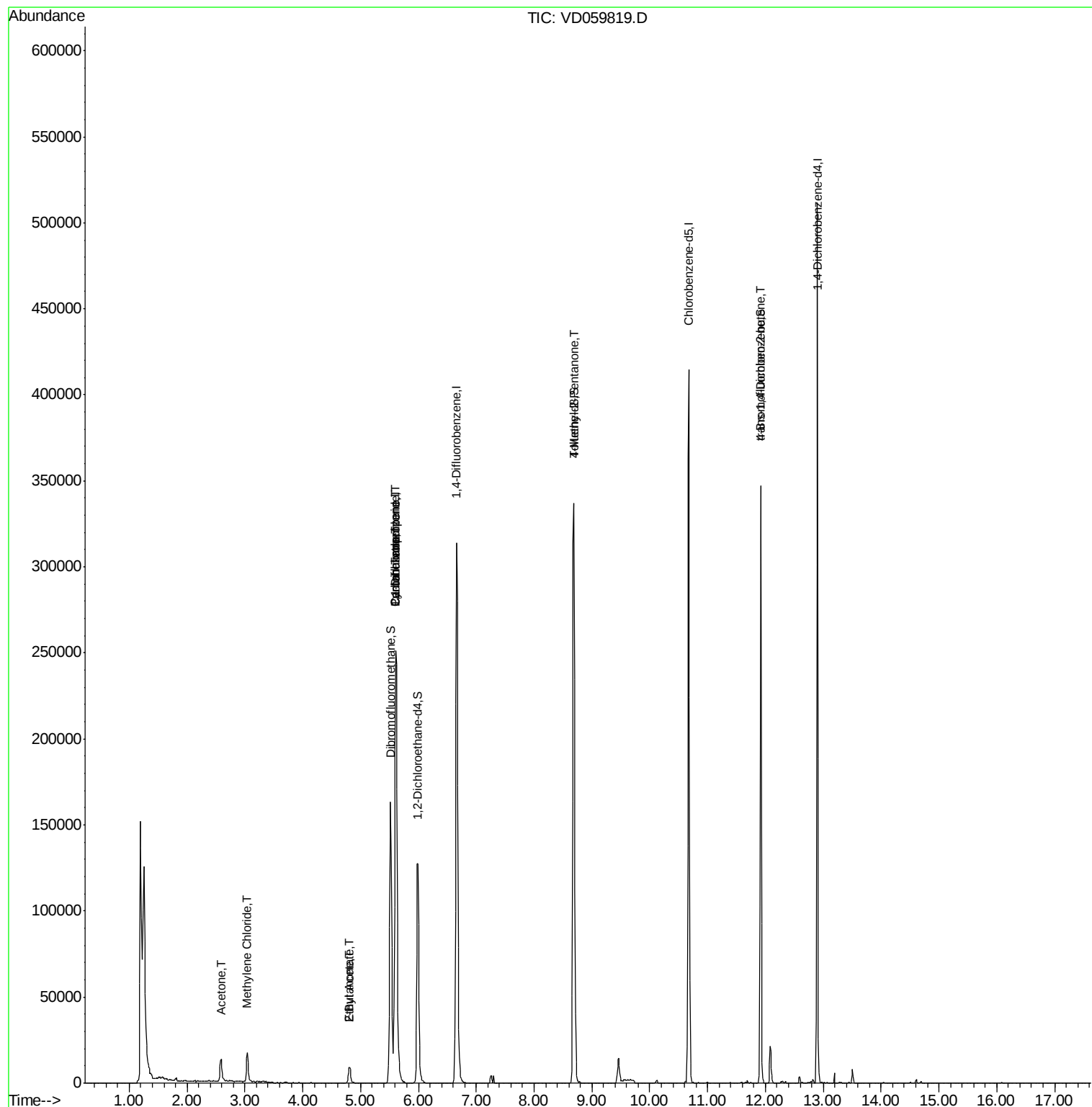
Target Compounds	R.T.	QIon	Response	Conc	Units	Qvalue
16) Acetone	2.58	43	24927	54.016	ug/l	99
20) Methylene Chloride	3.04	84	6751	2.456	ug/l	86
25) 2-Butanone	4.80	43	7519	10.646	ug/l #	92
31) Cyclohexane	5.61	56	6459	2.175	ug/l #	8
36) 1,1-Dichloropropene	5.61	75	20578	6.869	ug/l #	49
37) Ethyl Acetate	4.80	43	7519	5.018	ug/l #	72
38) Carbon Tetrachloride	5.62	117	22852	6.323	ug/l #	13
51) 4-Methyl-2-Pentanone	8.68	43	1720	1.203	ug/l #	1
81) trans-1,4-Dichloro-2-buten	11.91	75	53274	162.853	ug/l #	1

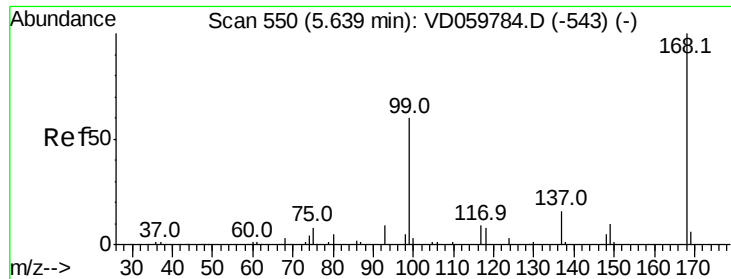
(#) = qualifier out of range (m) = manual integration (+) = signals summed

Data Path : Z:\V0ASRV\HPCHEM1\MSVOA D\DATA\VD081618\
Data File : VD059819.D
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Instrument :
MSVOA_D
ClientSampleId :

Quant Time: Aug 17 05:35:40 2018
Quant Method : Z:\V0ASRV\HPCHEM1\MSVOA_D\METHOD\82D081518S.M
Quant Title : SW846 8260
QLast Update : Wed Aug 15 16:08:23 2018
Response via : Initial Calibration





#1

Pentafluorobenzene

Concen: 50.000 ug/l

RT: 5.62 min Scan# 548

Delta R.T. -0.02 min

Lab File: VD059819.D

Acq: 16 Aug 2018 19:13

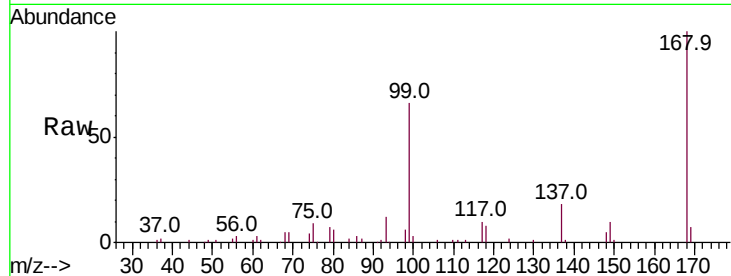
Instrument :
MSVOA_D
ClientSampleID :

Tot Ion:168 Resp: 227586

Ion Ratio Lower Upper

168 100

99 66.4 50.3 75.5



Abundance Ion 167.90 (167.60 to 168.60): V

Ion 98.95 (98.65 to 99.65): VDC

5.62

80000

60000

40000

20000

0

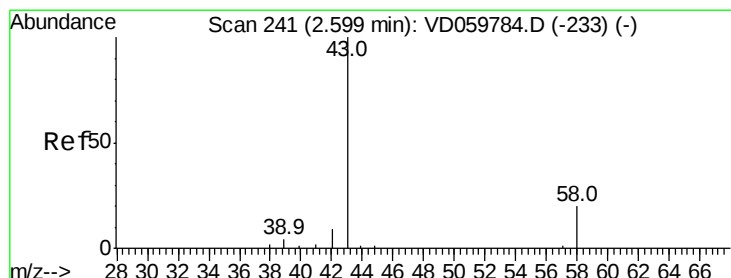
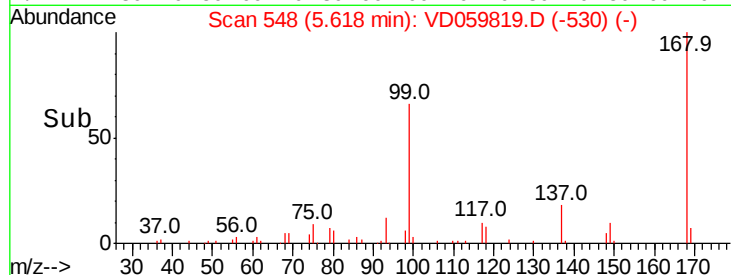
5.50

5.60

5.70

5.80

Time-->



#16

Acetone

Concen: 54.016 ug/l

RT: 2.58 min Scan# 239

Delta R.T. -0.02 min

Lab File: VD059819.D

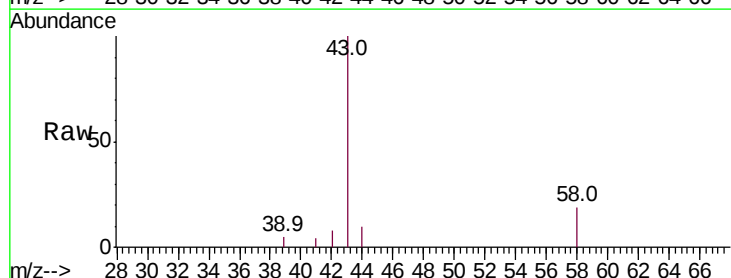
Acq: 16 Aug 2018 19:13

Tgt Ion: 43 Resp: 24927

Ion Ratio Lower Upper

43 100

58 19.4 15.7 23.5



Abundance Ion 42.95 (42.65 to 43.65): VDC

Ion 57.95 (57.65 to 58.65): VDC

2.58

10000

8000

6000

4000

2000

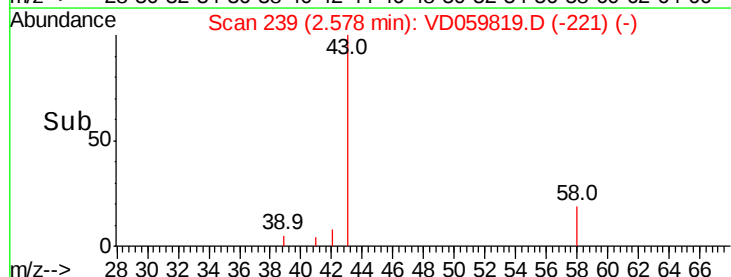
0

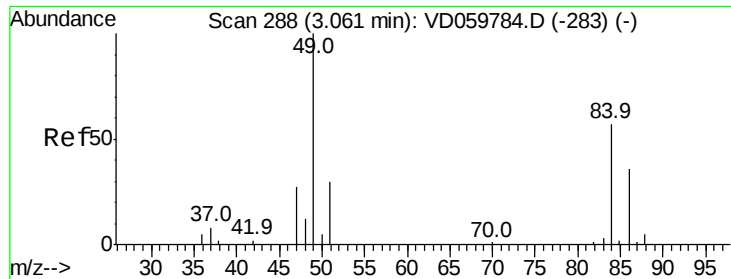
2.50

2.60

2.70

Time-->

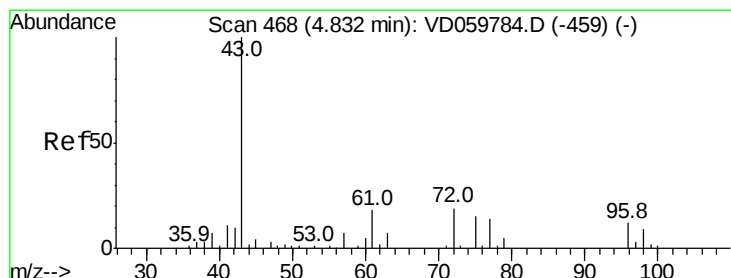
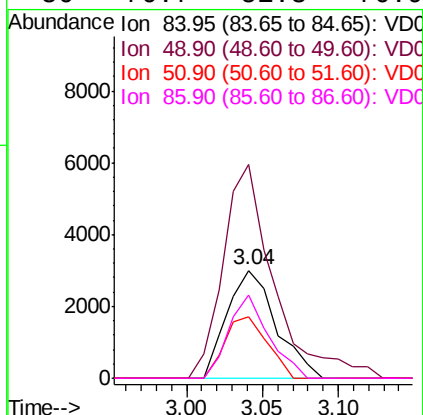
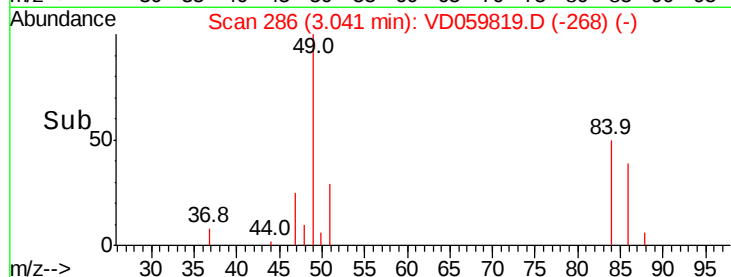
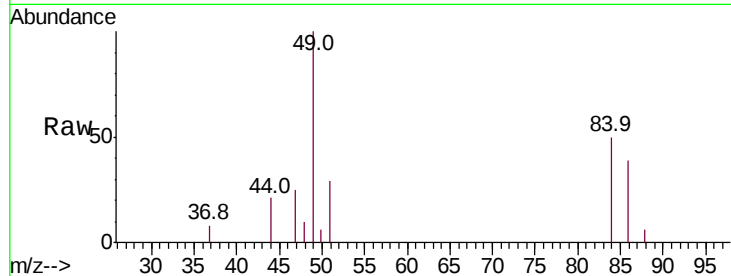




#20
Methvlene Chloride
Concen: 2.456 ug/l
RT: 3.04 min Scan# 286
Delta R.T. -0.02 min
Lab File: VD059819.D
Acq: 16 Aug 2018 19:13

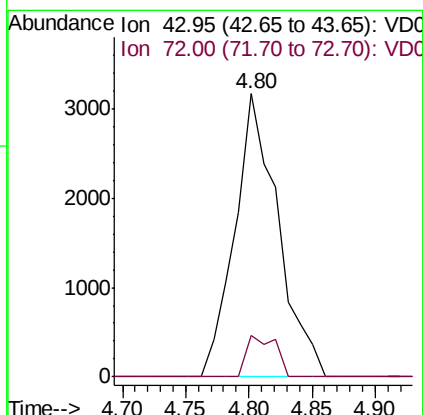
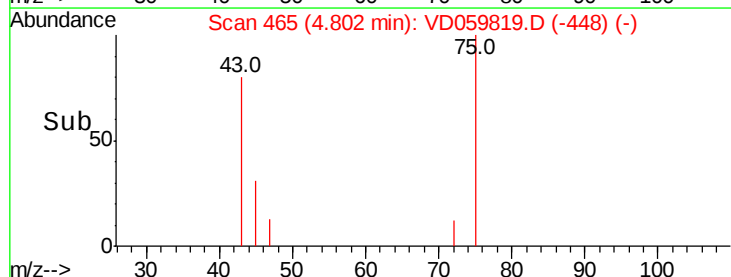
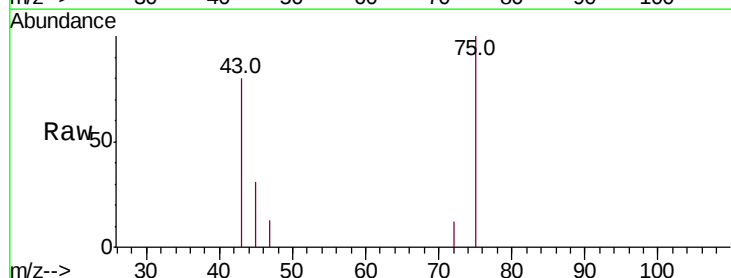
Instrument :
MSVOA_D
ClientSampled :

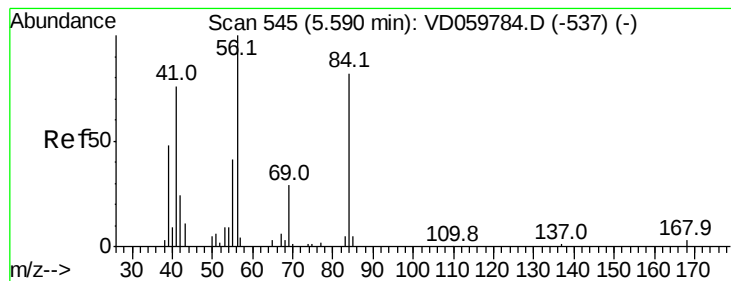
Tot Ion:	84	Resp:	6751
Ion	Ratio	Lower	Upper
84	100		
49	198.2	140.9	211.3
51	57.6	42.8	64.2
86	76.7	51.3	76.9



#25
2-Butanone
Concen: 10.646 ug/l
RT: 4.80 min Scan# 465
Delta R.T. -0.03 min
Lab File: VD059819.D
Acq: 16 Aug 2018 19:13

Tgt Ion:	43	Resp:	7519
Ion	Ratio	Lower	Upper
43	100		
72	14.9	14.9	22.3#





#31

Cyclohexane

Concen: 2.175 ug/l

RT: 5.61 min Scan# 547

Delta R.T. 0.02 min

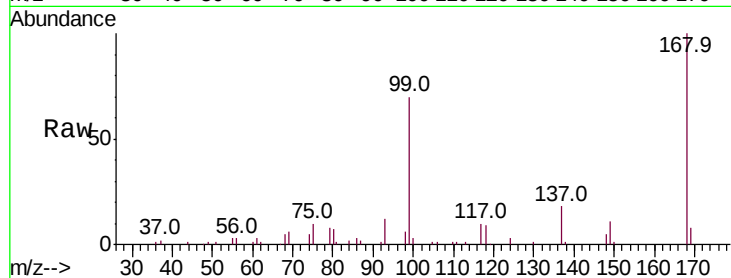
Lab File: VD059819.D

Acq: 16 Aug 2018 19:13

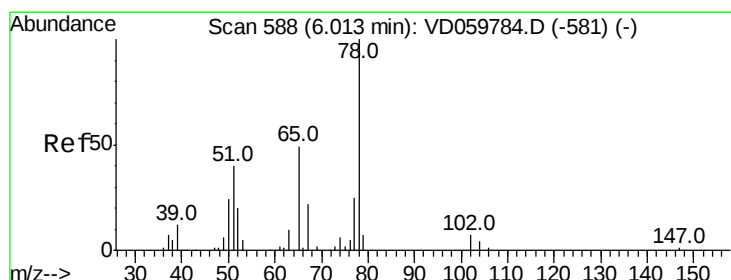
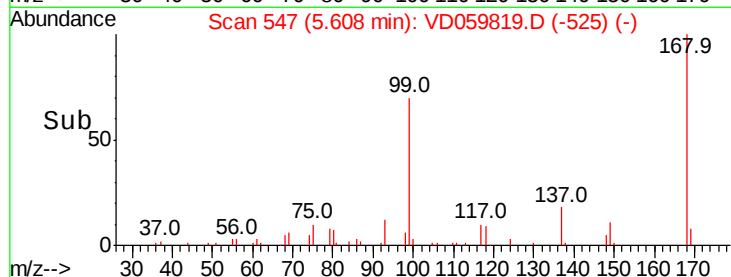
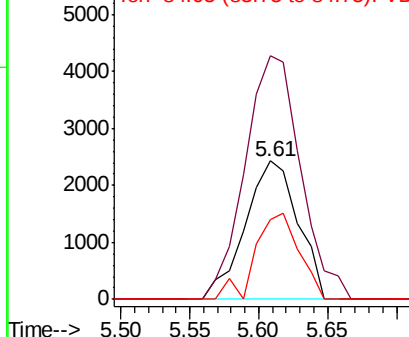
Instrument :
MSVOA_D
ClientSampled :

Tot Ion: 56 Resp: 6459

Ion	Ratio	Lower	Upper
56	100		
69	176.1	23.4	35.2#
84	57.9	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

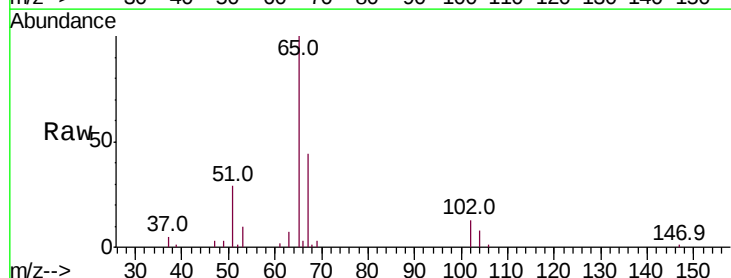
Delta R.T. -0.02 min

Lab File: VD059819.D

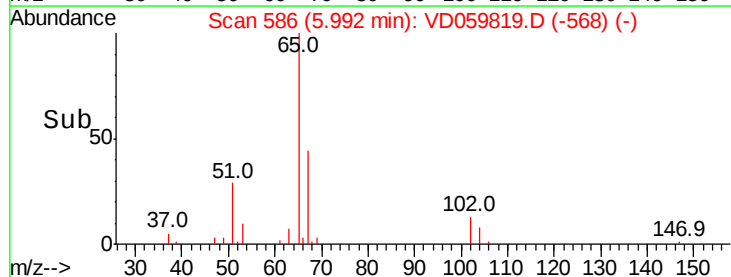
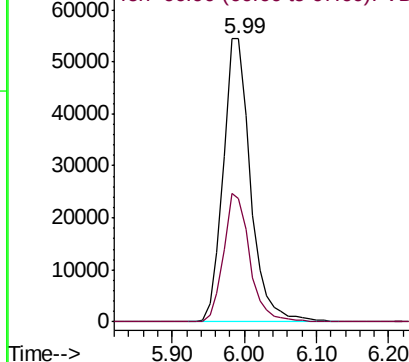
Acq: 16 Aug 2018 19:13

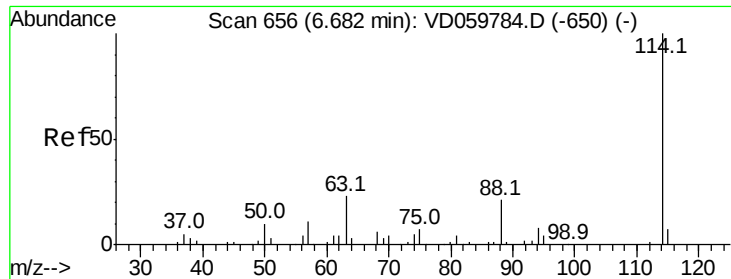
Tgt Ion: 65 Resp: 143125

Ion	Ratio	Lower	Upper
65	100		
67	43.6	0.0	87.8



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

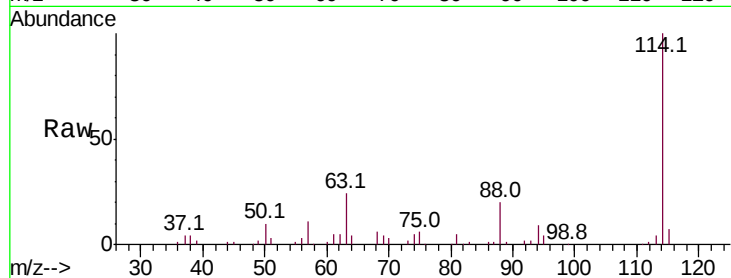




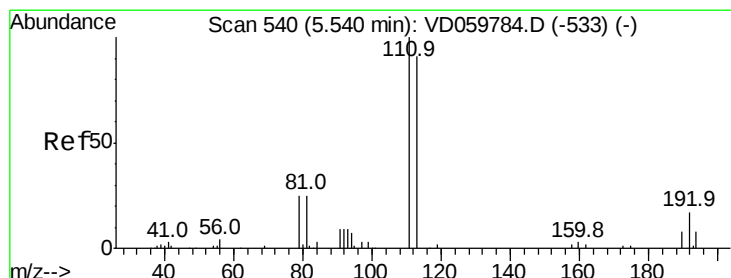
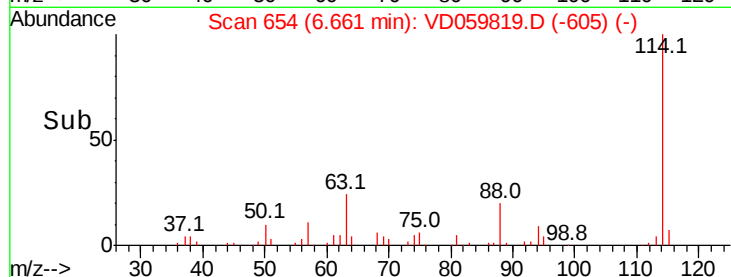
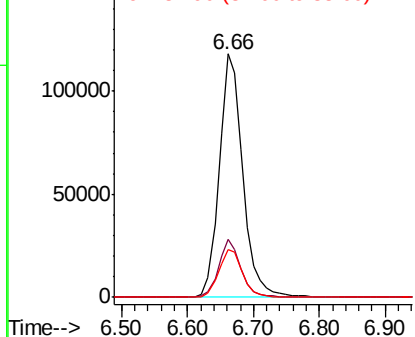
#34
 1,4-Difluorobenzene
 Concen: 50.000 ug/l
 RT: 6.66 min Scan# 654
 Delta R.T. -0.02 min
 Lab File: VD059819.D
 Acq: 16 Aug 2018 19:13

Instrument :
 MSVOA_D
 ClientSampleId :

Tot Ion:114 Resp: 291984
 Ion Ratio Lower Upper
 114 100
 63 23.6 0.0 45.0
 88 19.8 0.0 41.2

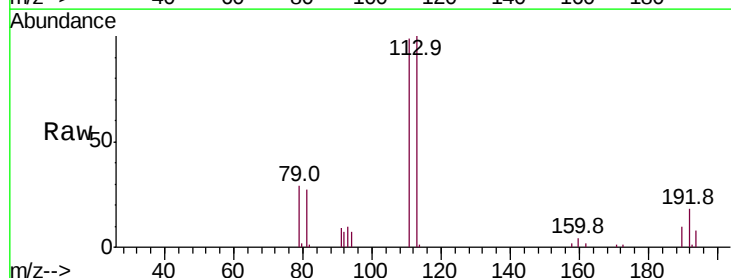


Abundance Ion 114.00 (113.70 to 114.70): V
 Ion 62.95 (62.65 to 63.65): V
 Ion 87.90 (87.60 to 88.60): V

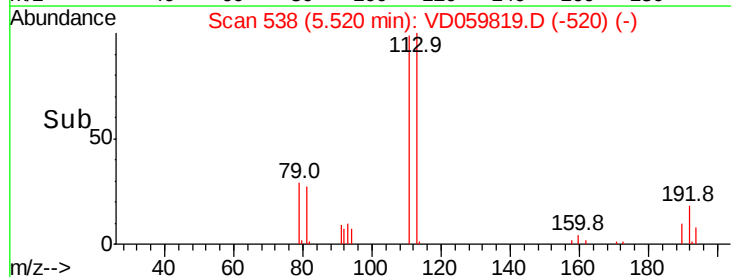
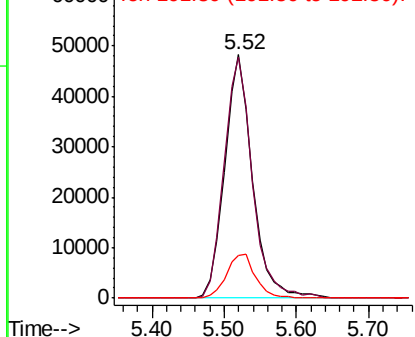


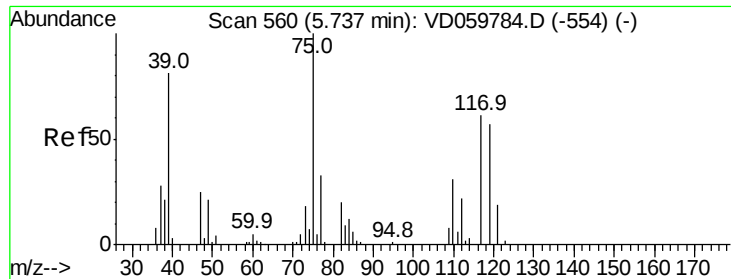
#35
 Dibromofluoromethane
 Concen: 50.000 ug/l
 RT: 5.52 min Scan# 538
 Delta R.T. -0.02 min
 Lab File: VD059819.D
 Acq: 16 Aug 2018 19:13

Tgt Ion:113 Resp: 128380
 Ion Ratio Lower Upper
 113 100
 111 99.0 87.7 131.5
 192 17.7 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: 6.869 ug/l

RT: 5.61 min Scan# 547

Delta R.T. -0.13 min

Lab File: VD059819.D

Acq: 16 Aug 2018 19:13

Instrument :

MSVOA_D

ClientSampleId :

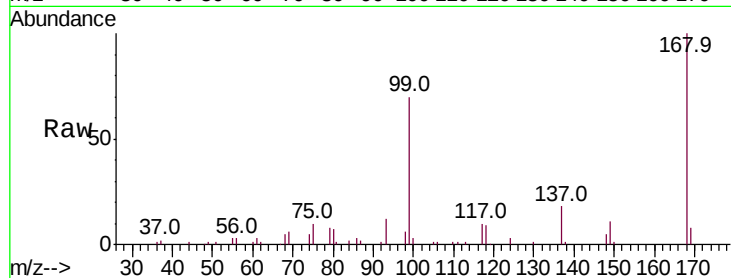
Tot Ion: 75 Resp: 20578

Ion Ratio Lower Upper

75 100

110 7.0 15.3 45.8#

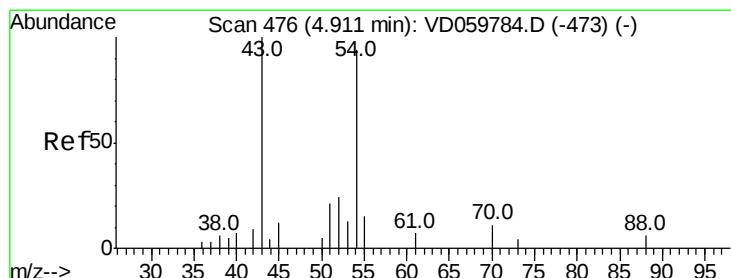
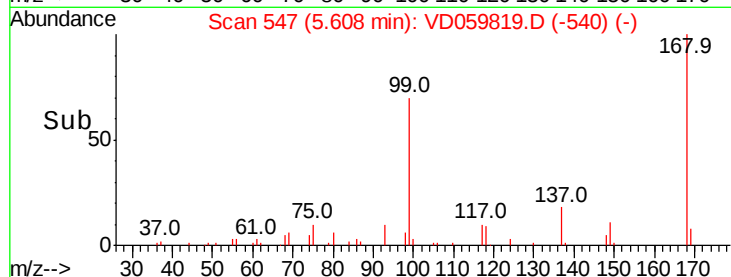
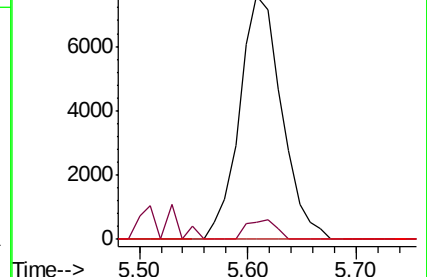
77 0.0 26.2 39.4#



Abundance Ion 75.00 (74.70 to 75.70): VDC

Ion 109.90 (109.60 to 110.60): VDC

Ion 76.95 (76.65 to 77.65): VDC



#37

Ethyl Acetate

Concen: 5.018 ug/l

RT: 4.80 min Scan# 465

Delta R.T. -0.11 min

Lab File: VD059819.D

Acq: 16 Aug 2018 19:13

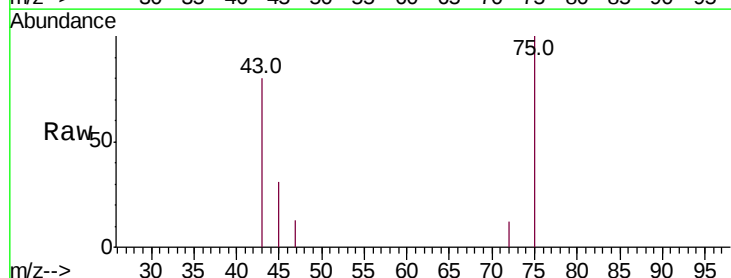
Tgt Ion: 43 Resp: 7519

Ion Ratio Lower Upper

43 100

61 0.0 10.2 15.2#

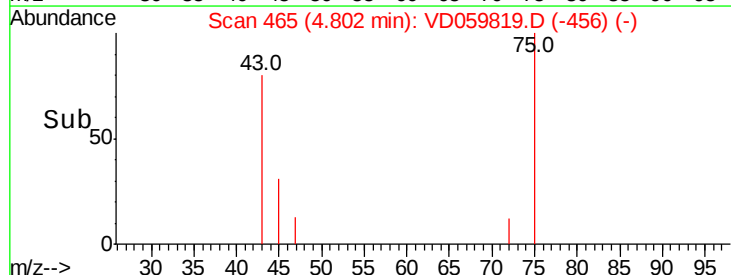
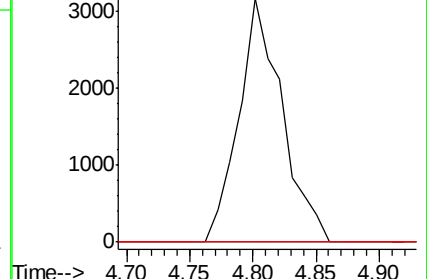
70 0.0 5.8 8.8#

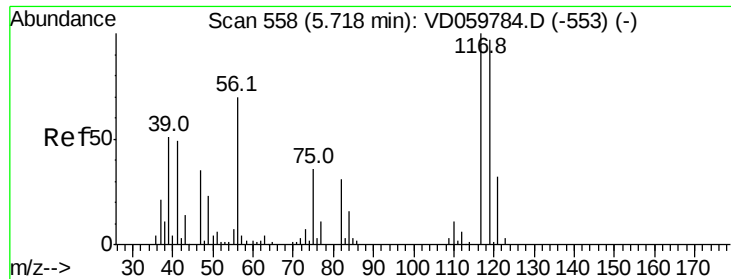


Abundance Ion 42.95 (42.65 to 43.65): VDC

Ion 60.95 (60.65 to 61.65): VDC

Ion 70.00 (69.70 to 70.70): VDC





#38

Carbon Tetrachloride

Concen: 6.323 ug/l

RT: 5.62 min Scan# 548

Delta R.T. -0.10 min

Lab File: VD059819.D

Acq: 16 Aug 2018 19:13

Instrument :
MSVOA_D
ClientSampled :

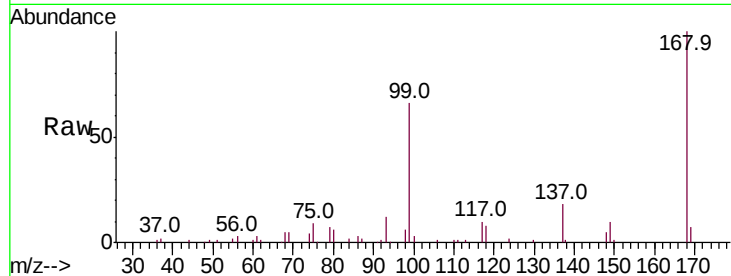
Tot Ion:117 Resp: 22852

Ion Ratio Lower Upper

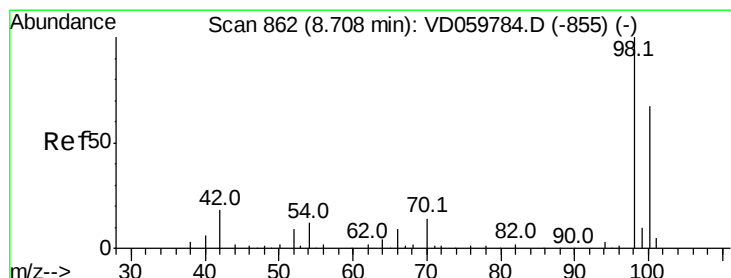
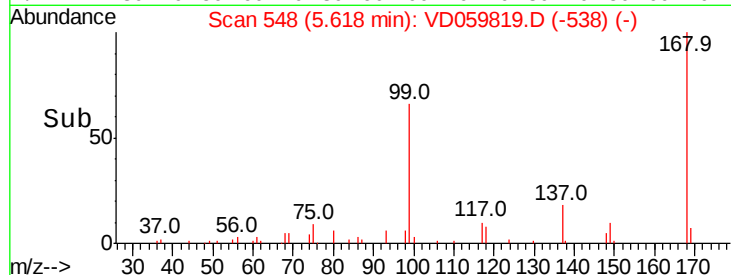
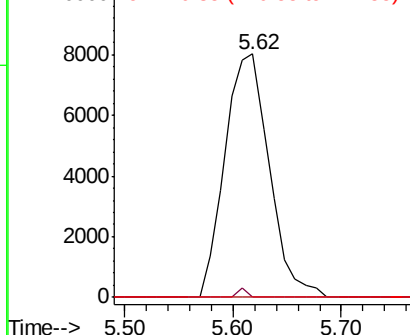
117 100

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: VD059819.D

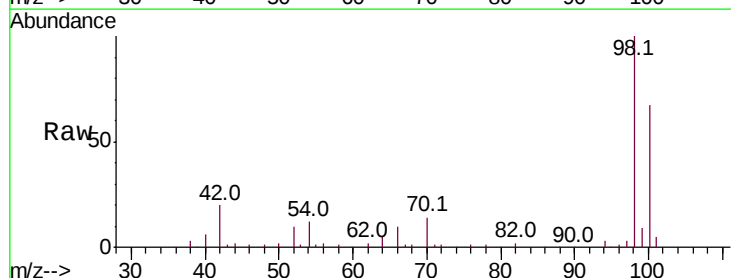
Acq: 16 Aug 2018 19:13

Tgt Ion: 98 Resp: 259811

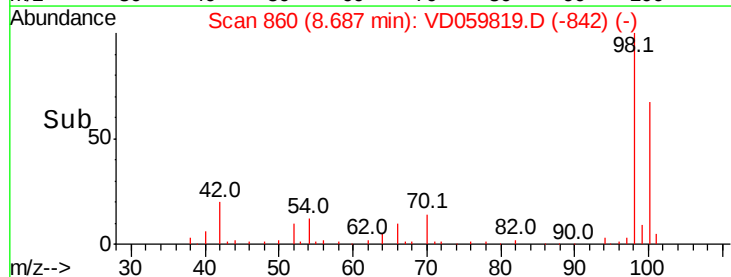
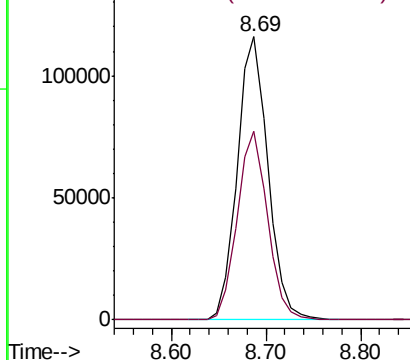
Ion Ratio Lower Upper

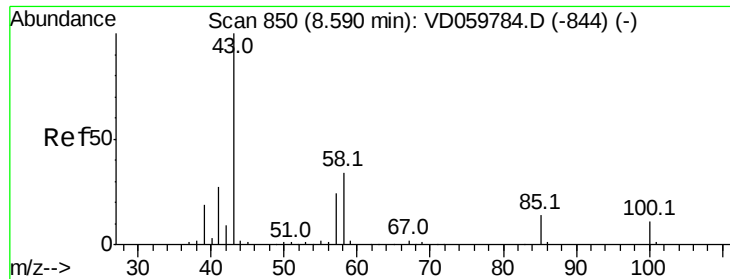
98 100

100 66.5 54.2 81.4



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





#51

4-Methyl-2-Pentanone

Concen: 1.203 ug/l

RT: 8.68 min Scan# 859

Delta R.T. 0.09 min

Lab File: VD059819.D

Acq: 16 Aug 2018 19:13

Instrument :

MSVOA_D

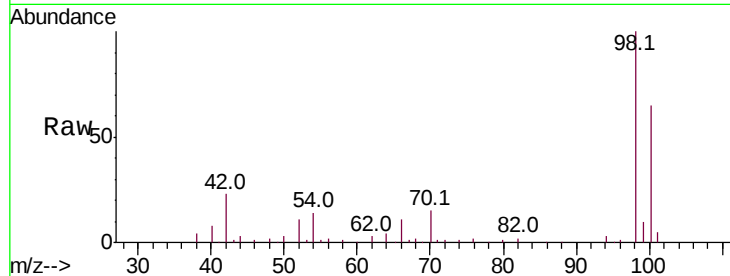
ClientSampleId :

Tot Ion: 43 Resp: 1720

Ion Ratio Lower Upper

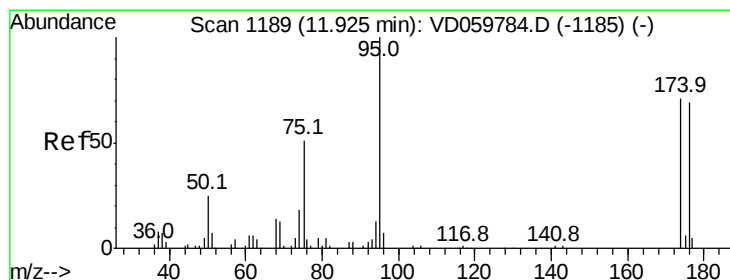
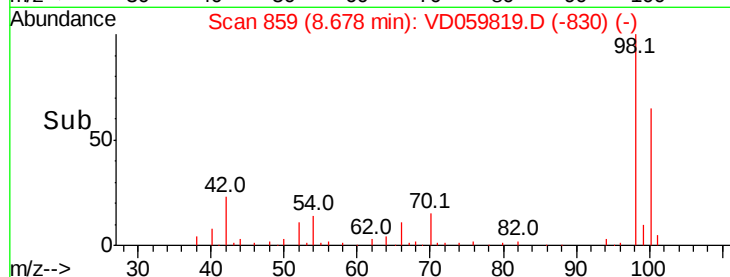
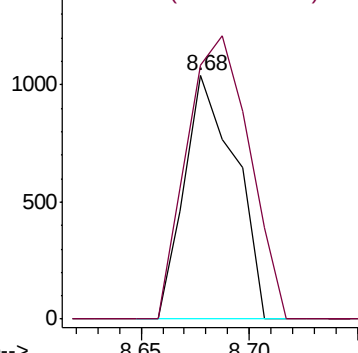
43 100

58 104.3 27.5 41.3#



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: 11.91 min Scan# 1188

Delta R.T. -0.01 min

Lab File: VD059819.D

Acq: 16 Aug 2018 19:13

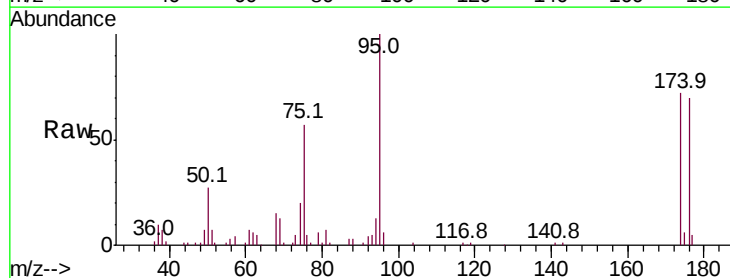
Tgt Ion: 95 Resp: 98420

Ion Ratio Lower Upper

95 100

174 72.1 0.0 142.2

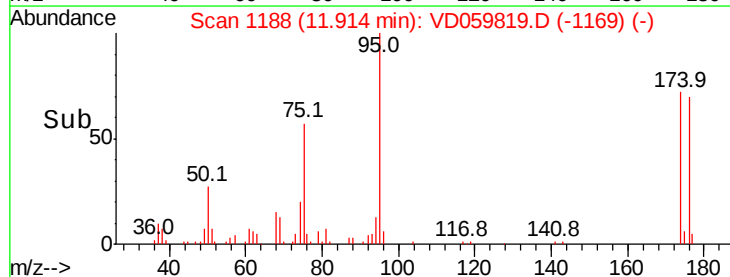
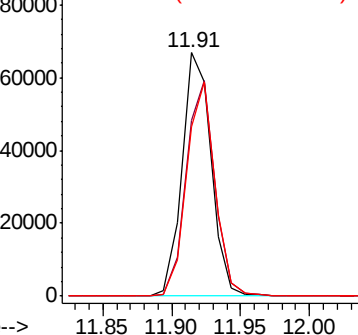
176 69.5 0.0 137.4

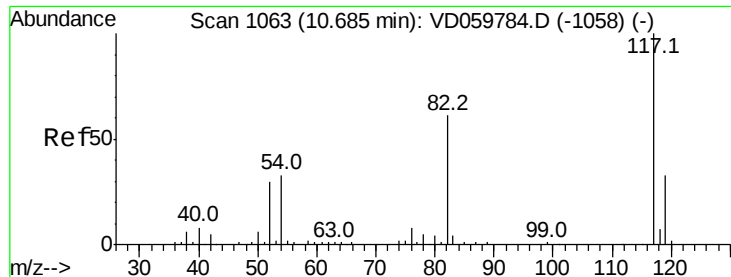


Abundance Ion 95.00 (94.70 to 95.70): VDC

Ion 173.90 (173.60 to 174.60): V

Ion 175.90 (175.60 to 176.60): V

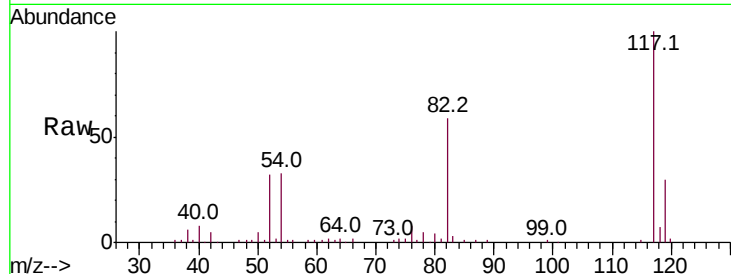




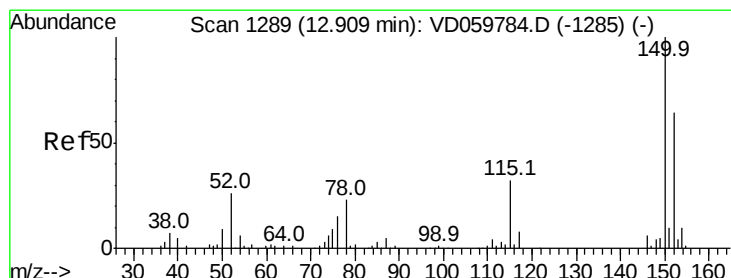
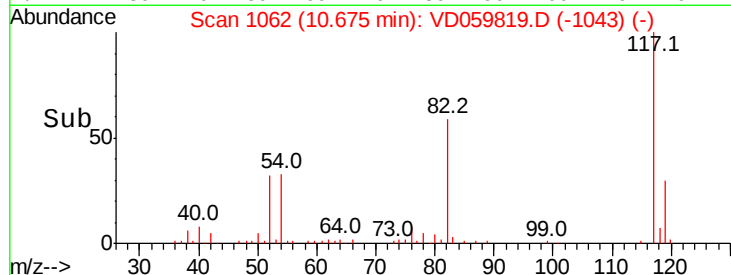
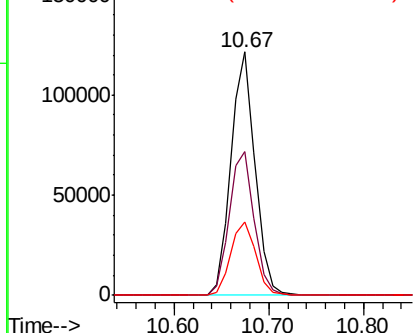
#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 10.67 min Scan# 1062
Delta R.T. -0.01 min
Lab File: VD059819.D
Acq: 16 Aug 2018 19:13

Instrument :
MSVOA_D
ClientSampleId :

Tot Ion:117 Resp: 213976
Ion Ratio Lower Upper
117 100
82 59.3 49.0 73.6
119 30.3 26.2 39.2

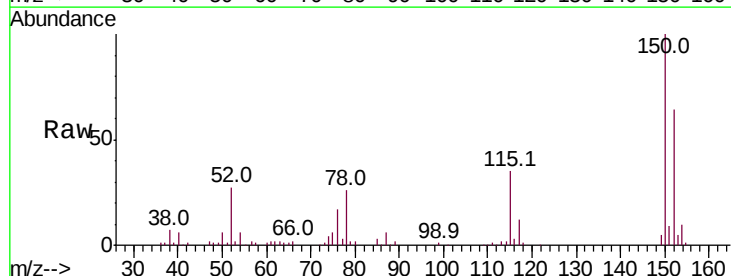


Abundance Ion 116.95 (116.65 to 117.65): V
Ion 82.05 (81.75 to 82.75): V
Ion 118.95 (118.65 to 119.65): V

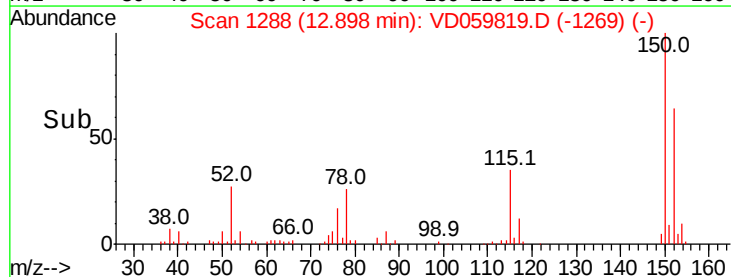
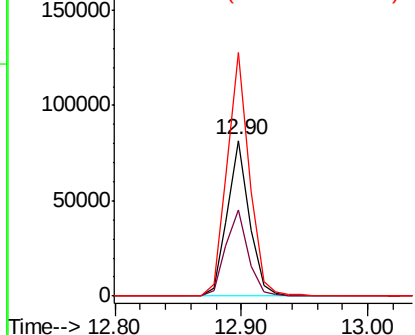


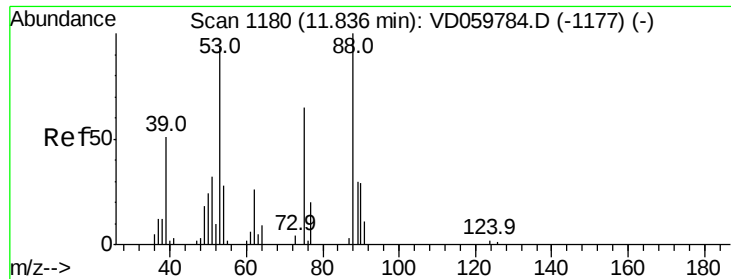
#72
1,4-Dichlorobenzene-d4
Concen: 50.000 ug/l
RT: 12.90 min Scan# 1288
Delta R.T. -0.01 min
Lab File: VD059819.D
Acq: 16 Aug 2018 19:13

Tgt Ion:152 Resp: 98549
Ion Ratio Lower Upper
152 100
115 55.5 27.2 81.5
150 156.7 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: 162.853 ug/l

RT: 11.91 min Scan# 1188

Delta R.T. 0.08 min

Lab File: VD059819.D

Acq: 16 Aug 2018 19:13

Instrument :

MSVOA_D

ClientSampleId :

Tot Ion: 75 Resp: 53274

Ion Ratio Lower Upper

75 100

53 0.0 116.2 174.2#

89 0.0 37.0 55.6#

