

Data Path : Z:\VOASRV\HPCHEM1\MSVOA D\DATA\VD081618\
 Data File : VD059817.D
 Acq On : 16 Aug 2018 18:16
 Operator : VA/AP
 Sample : J4460-15
 Misc : 5.00µl/5ml/MSVOA D/SOIL
 ALS Vial : 12 Sample Multiplier: 1

Instrument :
 MSVOA_D
 ClientSampleId :

Quant Time: Aug 17 05:35:21 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	247363	50.00	ug/l	-0.03
34) 1,4-Difluorobenzene	6.67	114	305083	50.00	ug/l	-0.02
63) Chlorobenzene-d5	10.67	117	215137	50.00	ug/l	-0.02
72) 1,4-Dichlorobenzene-d4	12.89	152	90089	50.00	ug/l	-0.02

System Monitoring Compounds	R.T.	QIon	Response	Conc	Units	Dev(Min)
33) 1,2-Dichloroethane-d4	6.00	65	149238	46.96	ug/l	-0.02
Spiked Amount				50.000		
			Recovery	=	93.92%	
35) Dibromofluoromethane	5.52	113	133398	50.18	ug/l	-0.02
Spiked Amount				50.000		
			Recovery	=	100.36%	
50) Toluene-d8	8.69	98	257107	40.83	ug/l	-0.02
Spiked Amount				50.000		
			Recovery	=	81.66%	
62) 4-Bromofluorobenzene	11.92	95	97832	34.68	ug/l	0.00
Spiked Amount				50.000		
			Recovery	=	69.36%	

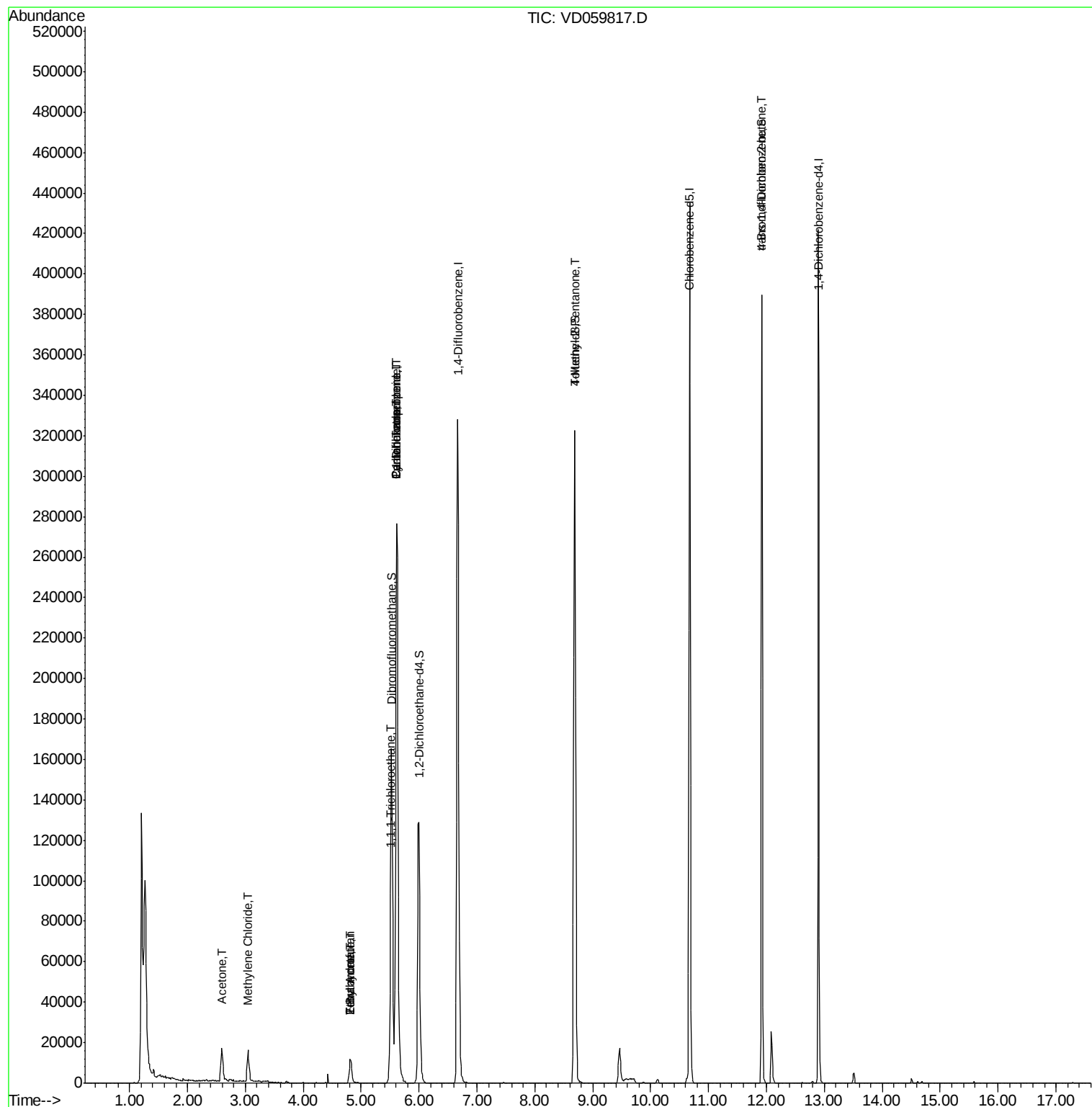
Target Compounds	R.T.	QIon	Response	Conc	Units	Qvalue
16) Acetone	2.59	43	30257	60.324	ug/l	96
20) Methylene Chloride	3.05	84	6515	1.811	ug/l #	84
25) 2-Butanone	4.82	43	4748	6.185	ug/l	94
29) Tetrahydrofuran	4.81	42	375	1.145	ug/l #	57
31) Cyclohexane	5.61	56	6109	1.892	ug/l #	1
32) 1,1,1-Trichloroethane	5.49	97	5548	1.171	ug/l #	83
36) 1,1-Dichloropropene	5.61	75	21508	6.871	ug/l #	50
37) Ethyl Acetate	4.82	43	4748	3.033	ug/l #	72
38) Carbon Tetrachloride	5.61	117	24391	6.459	ug/l #	13
51) 4-Methyl-2-Pentanone	8.68	43	1511	1.011	ug/l #	1
81) trans-1,4-Dichloro-2-buten	11.92	75	50415	168.586	ug/l #	1

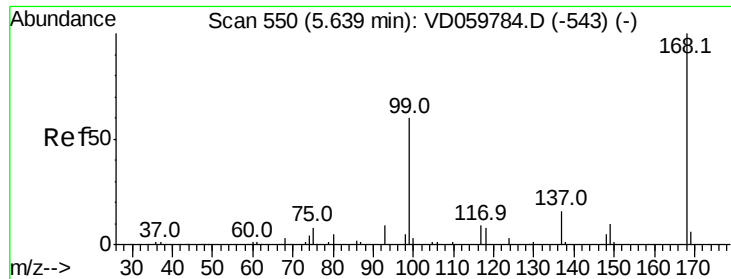
(#) = qualifier out of range (m) = manual integration (+) = signals summed

Data Path : Z:\V0ASRV\HPCHEM1\MSVOA D\DATA\VD081618\
Data File : VD059817.D
Acq On : 16 Aug 2018 18:16
Operator : VA/AP
Sample : J4460-15
Misc : 5.00µl/5ml/MSVOA D/SOIL
ALS Vial : 12 Sample Multiplier: 1

Instrument :
MSVOA_D
ClientSampleId :

Quant Time: Aug 17 05:35:21 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: 5.61 min Scan# 548

Delta R.T. -0.03 min

Lab File: VD059817.D

Acq: 16 Aug 2018 18:16

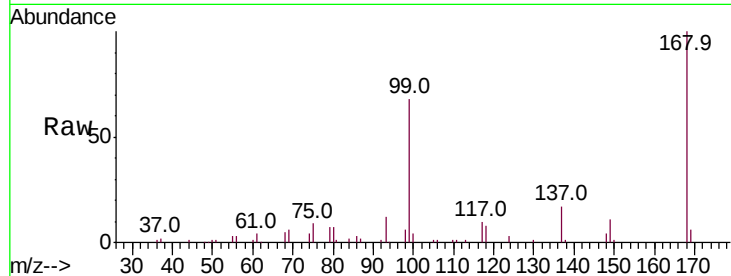
Instrument :
MSVOA_D
ClientSampleId :

Tot Ion:168 Resp: 247363

Ion Ratio Lower Upper

168 100

99 67.7 50.3 75.5



Abundance Ion 167.90 (167.60 to 168.60): V

Ion 98.95 (98.65 to 99.65): VDC

5.61

80000

60000

40000

20000

0

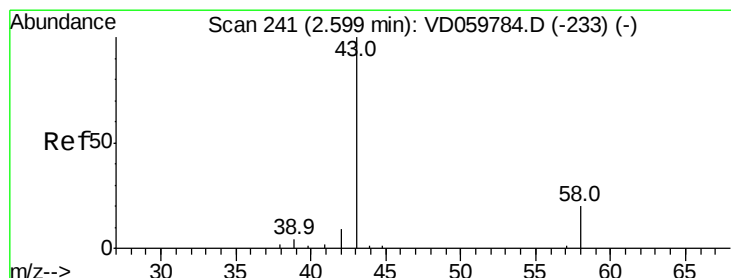
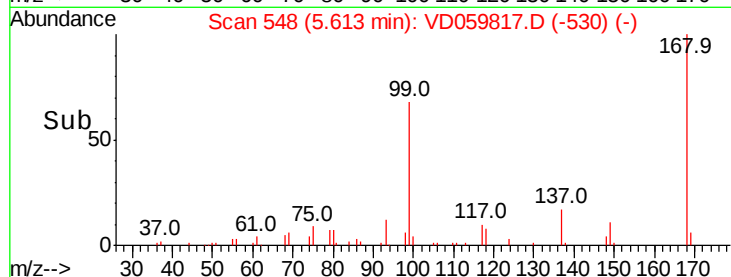
5.50

5.60

5.70

5.80

Time-->



#16

Acetone

Concen: 60.324 ug/l

RT: 2.59 min Scan# 241

Delta R.T. -0.01 min

Lab File: VD059817.D

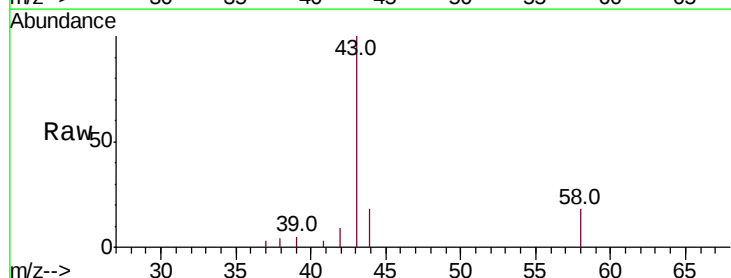
Acq: 16 Aug 2018 18:16

Tgt Ion: 43 Resp: 30257

Ion Ratio Lower Upper

43 100

58 17.8 15.7 23.5



Abundance Ion 42.95 (42.65 to 43.65): VDC

Ion 57.95 (57.65 to 58.65): VDC

2.59

12000

10000

8000

6000

4000

2000

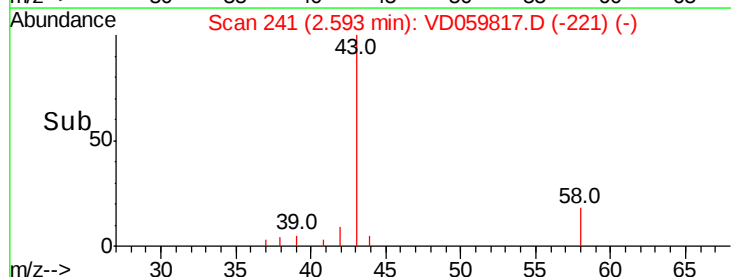
0

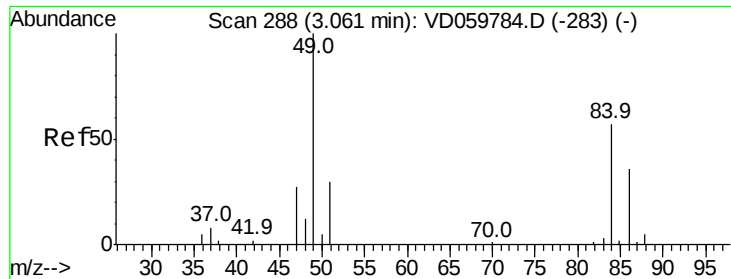
2.50

2.60

2.70

Time-->

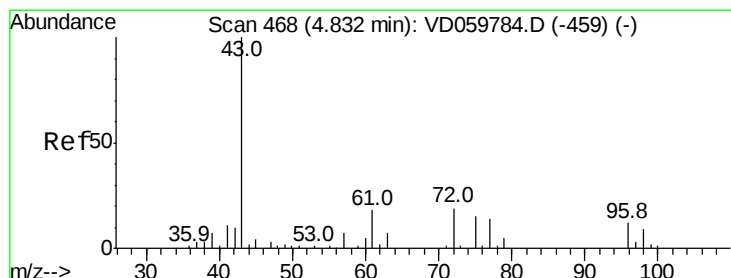
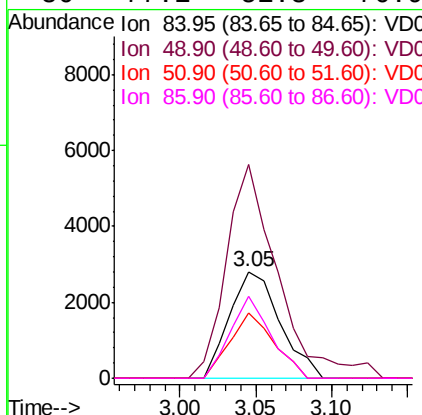
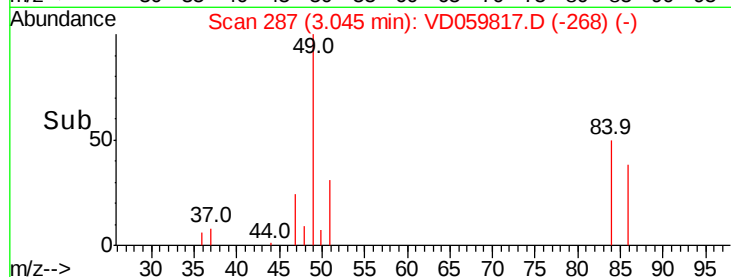
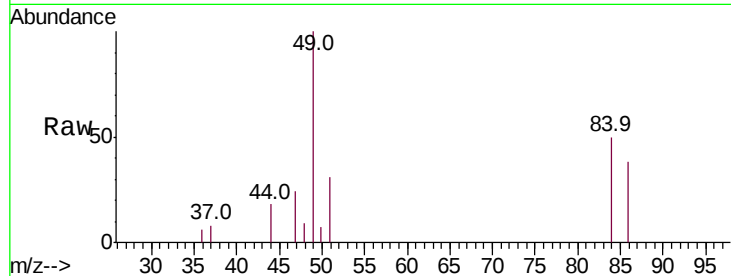




#20
Methvlene Chloride
Concen: 1.811 ug/l
RT: 3.05 min Scan# 287
Delta R.T. -0.02 min
Lab File: VD059817.D
Acq: 16 Aug 2018 18:16

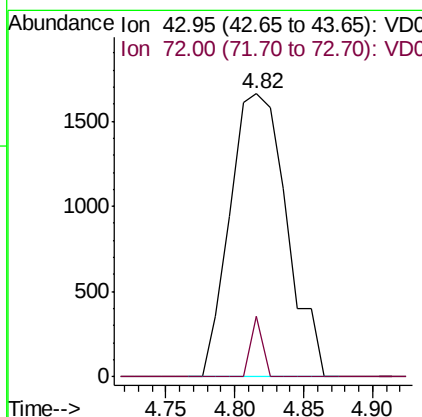
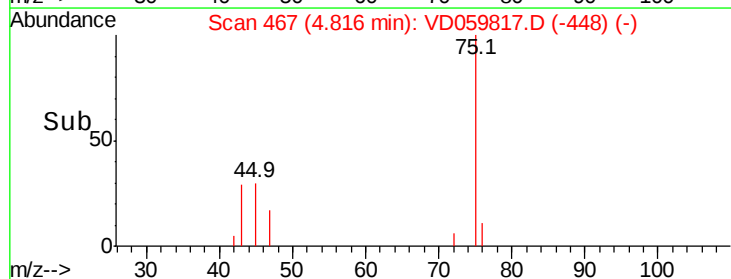
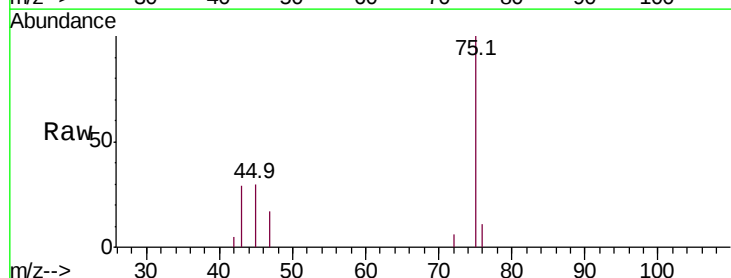
Instrument :
MSVOA_D
ClientSampled :

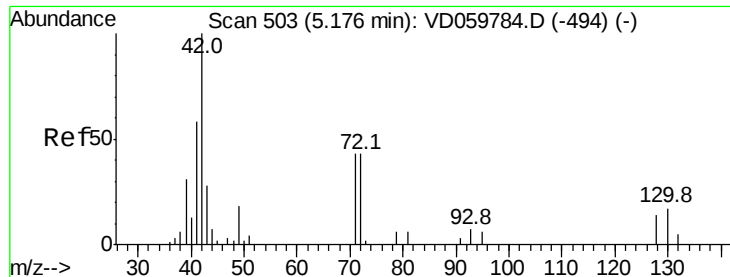
Tot Ion: 84 Resp: 6515
Ion Ratio Lower Upper
84 100
49 200.4 140.9 211.3
51 61.6 42.8 64.2
86 77.1 51.3 76.9#



#25
2-Butanone
Concen: 6.185 ug/l
RT: 4.82 min Scan# 467
Delta R.T. -0.02 min
Lab File: VD059817.D
Acq: 16 Aug 2018 18:16

Tgt Ion: 43 Resp: 4748
Ion Ratio Lower Upper
43 100
72 21.4 14.9 22.3





#29

Tetrahydrofuran

Concen: 1.145 ug/l

RT: 4.81 min Scan# 466

Delta R.T. -0.37 min

Lab File: VD059817.D

Acq: 16 Aug 2018 18:16

Instrument :

MSVOA_D

ClientSampleId :

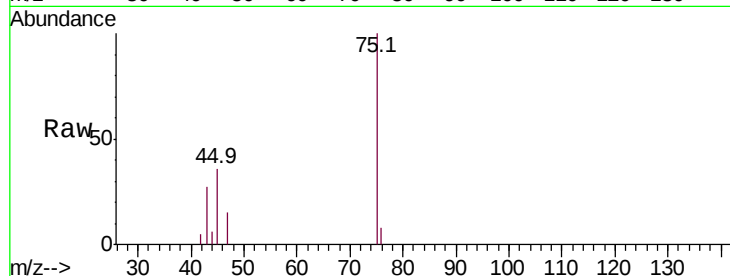
Tot Ion: 42 Resp: 375

Ion Ratio Lower Upper

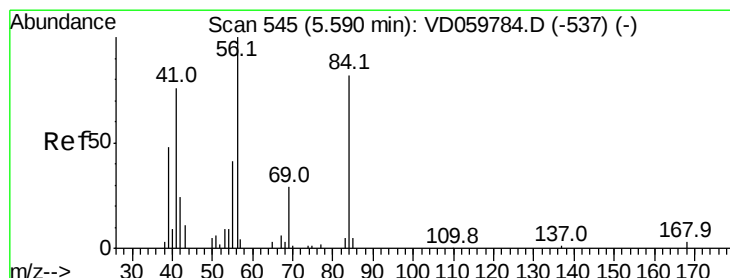
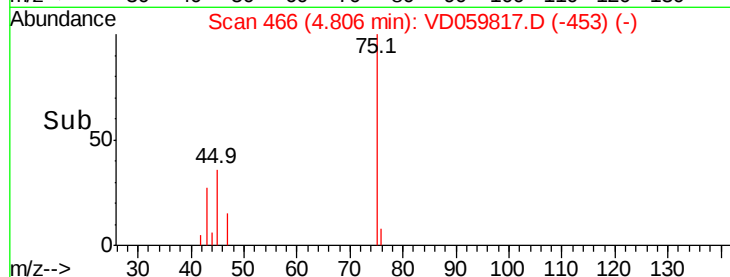
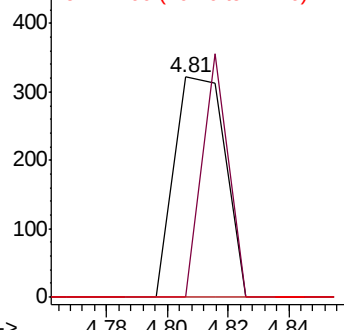
42 100

72 56.0 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: 1.892 ug/l

RT: 5.61 min Scan# 548

Delta R.T. 0.02 min

Lab File: VD059817.D

Acq: 16 Aug 2018 18:16

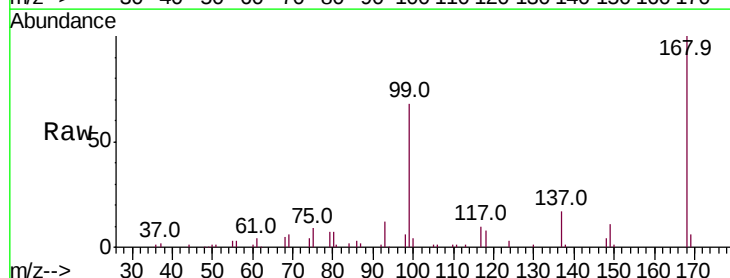
Tgt Ion: 56 Resp: 6109

Ion Ratio Lower Upper

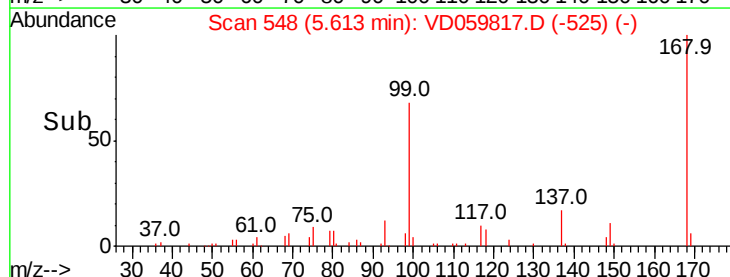
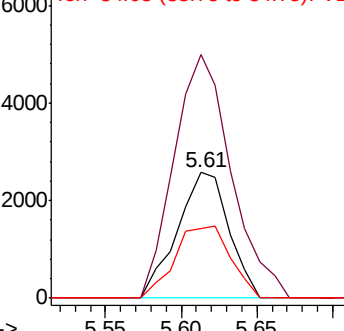
56 100

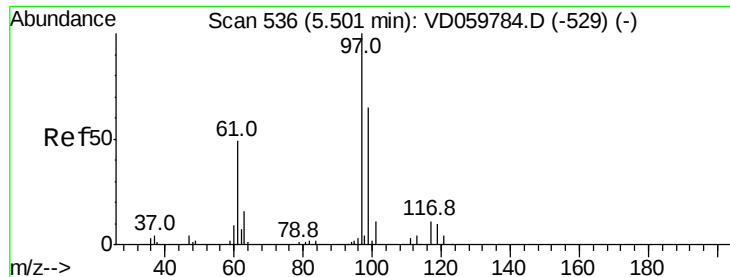
69 193.8 23.4 35.2#

84 55.0 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





#32

1,1,1-Trichloroethane

Concen: 1.171 ug/l

RT: 5.49 min Scan# 536

Delta R.T. -0.01 min

Lab File: VD059817.D

Acq: 16 Aug 2018 18:16

Instrument :

MSVOA_D

ClientSampleId :

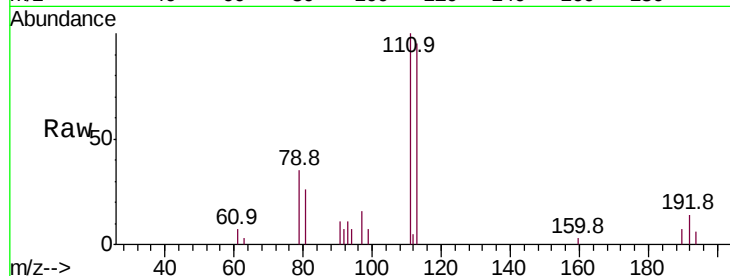
Tot Ion: 97 Resp: 5548

Ion Ratio Lower Upper

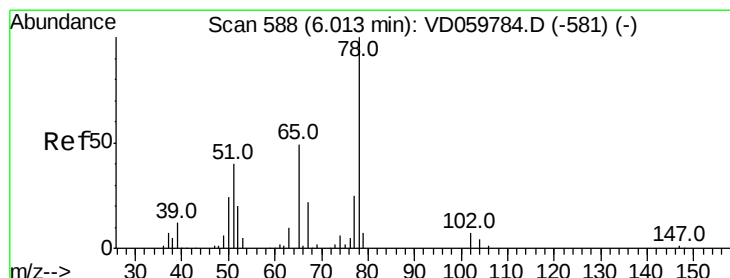
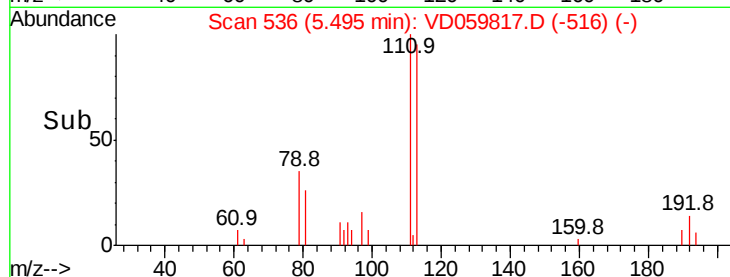
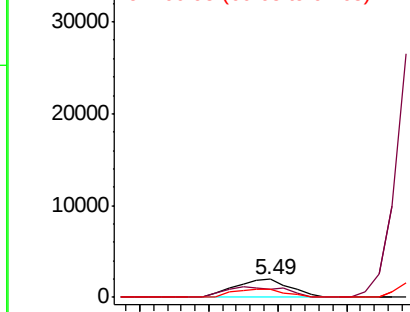
97 100

99 44.7 52.2 78.2#

61 45.4 39.6 59.4



Abundance Ion 96.85 (96.55 to 97.55): VDC
Ion 98.85 (98.55 to 99.55): VDC
Ion 60.95 (60.65 to 61.65): VDC



#33

1,2-Dichloroethane-d4

Concen: 1.171 ug/l

RT: 6.00 min Scan# 587

Delta R.T. -0.02 min

Lab File: VD059817.D

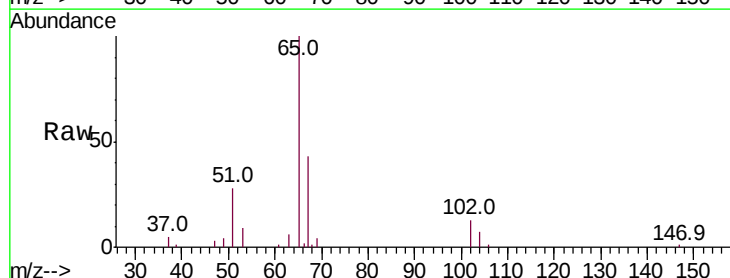
Acq: 16 Aug 2018 18:16

Tgt Ion: 65 Resp: 149238

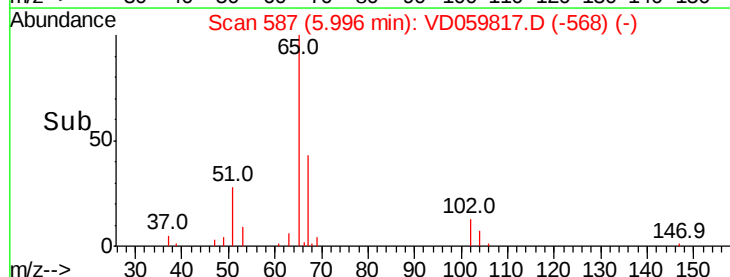
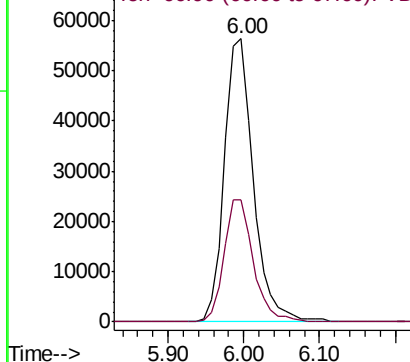
Ion Ratio Lower Upper

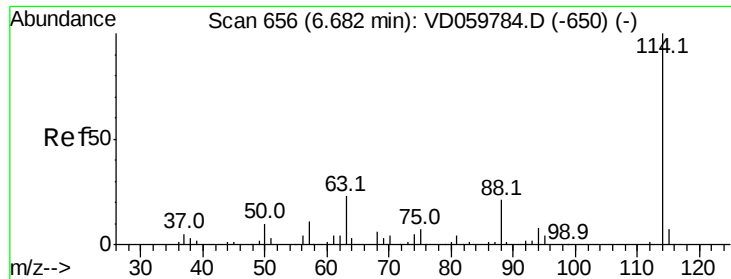
65 100

67 43.0 0.0 87.8



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

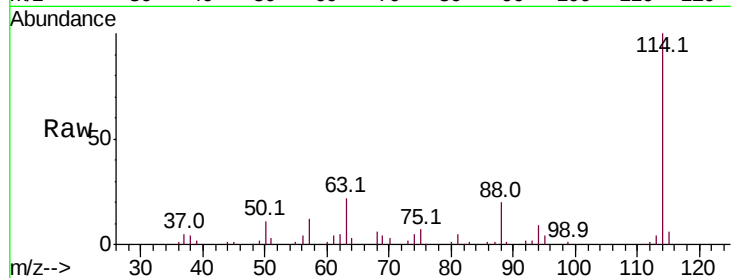




#34
 1,4-Difluorobenzene
 Concen: 50.000 ug/l
 RT: 6.67 min Scan# 655
 Delta R.T. -0.02 min
 Lab File: VD059817.D
 Acq: 16 Aug 2018 18:16

Instrument :
 MSVOA_D
 ClientSampleId :

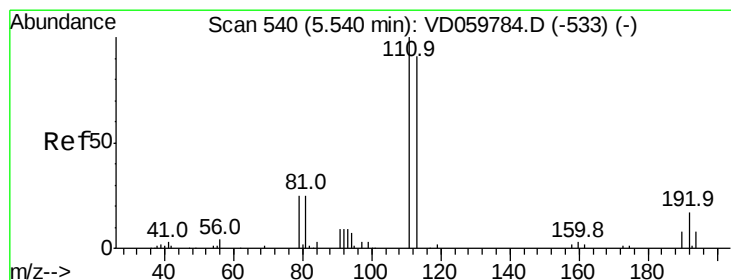
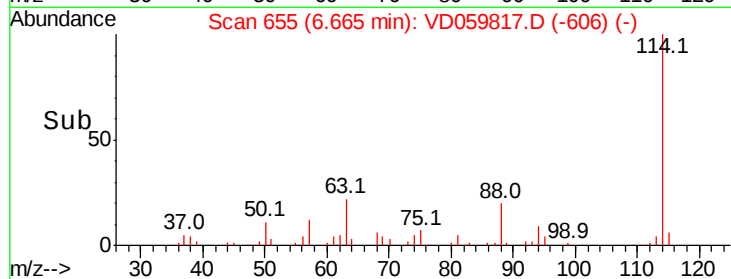
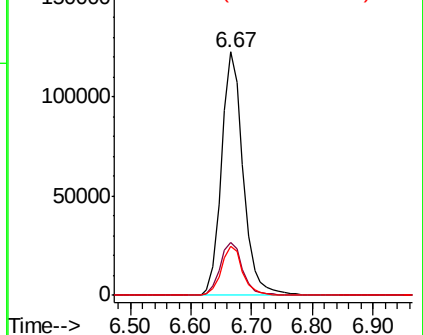
Tot Ion	Ratio	Lower	Upper
114	100		
63	21.9	0.0	45.0
88	20.3	0.0	41.2



Abundance Ion 114.00 (113.70 to 114.70): V

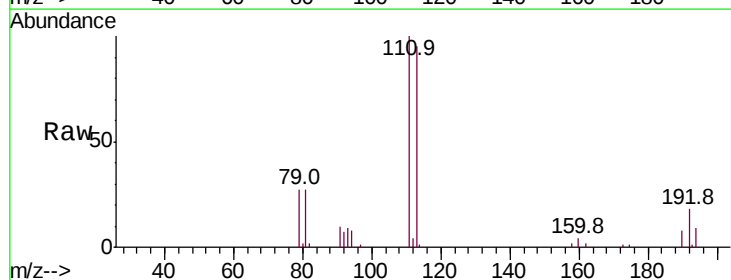
Ion 62.95 (62.65 to 63.65): V

Ion 87.90 (87.60 to 88.60): V



#35
 Dibromofluoromethane
 Concen: 50.000 ug/l
 RT: 5.52 min Scan# 539
 Delta R.T. -0.02 min
 Lab File: VD059817.D
 Acq: 16 Aug 2018 18:16

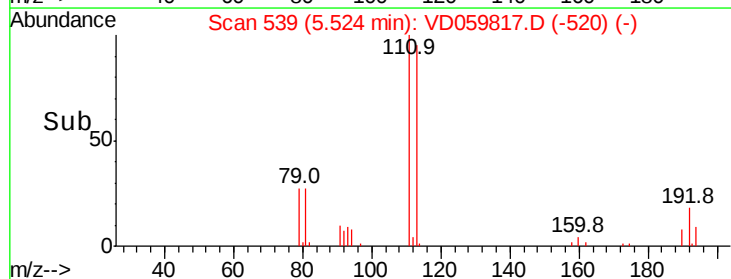
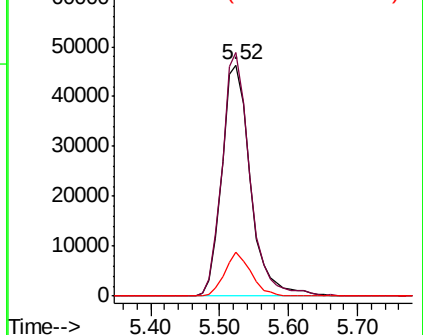
Tgt Ion	Ratio	Lower	Upper
113	100		
111	105.2	87.7	131.5
192	18.8	14.6	21.8

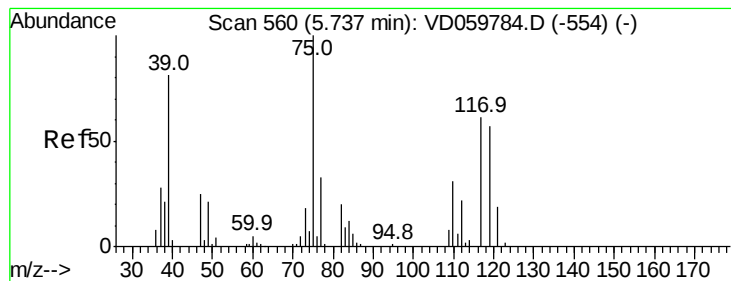


Abundance Ion 112.90 (112.60 to 113.60): V

Ion 110.90 (110.60 to 111.60): V

Ion 191.80 (191.50 to 192.50): V





#36

1,1-Dichloropropene

Concen: 6.871 ug/l

RT: 5.61 min Scan# 548

Delta R.T. -0.12 min

Lab File: VD059817.D

Acq: 16 Aug 2018 18:16

Instrument :

MSVOA_D

ClientSampleId :

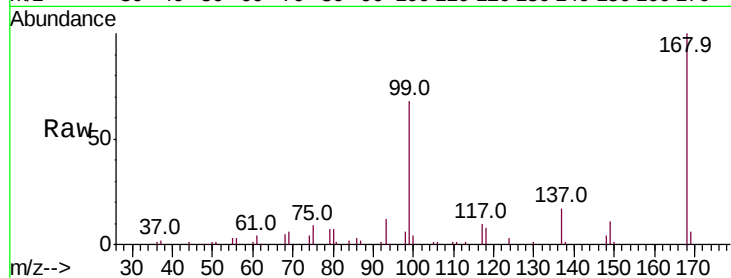
Tot Ion: 75 Resp: 21508

Ion Ratio Lower Upper

75 100

110 8.3 15.3 45.8#

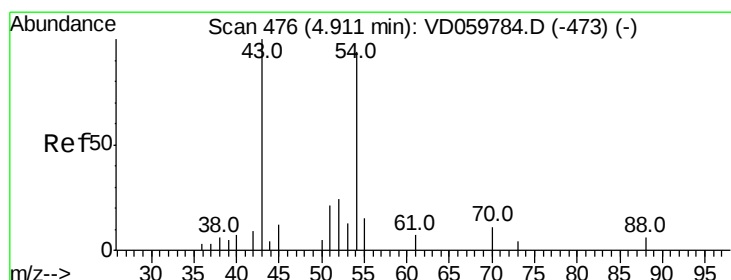
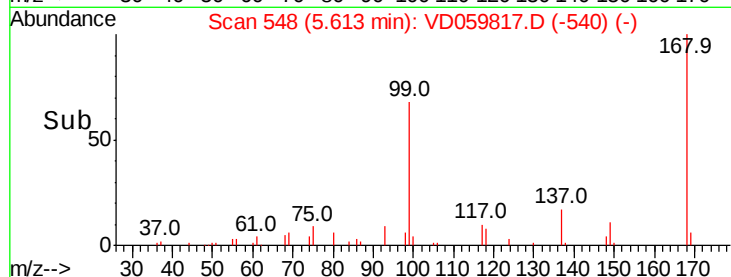
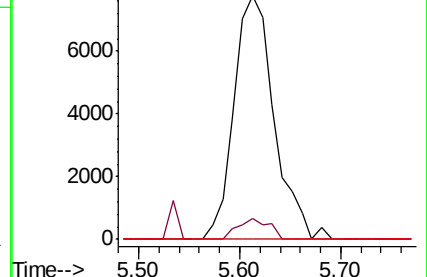
77 0.0 26.2 39.4#



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: 3.033 ug/l

RT: 4.82 min Scan# 467

Delta R.T. -0.10 min

Lab File: VD059817.D

Acq: 16 Aug 2018 18:16

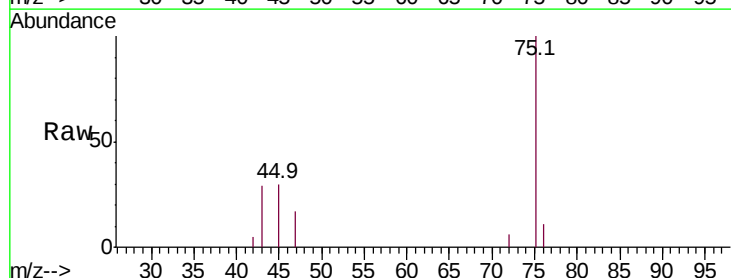
Tgt Ion: 43 Resp: 4748

Ion Ratio Lower Upper

43 100

61 0.0 10.2 15.2#

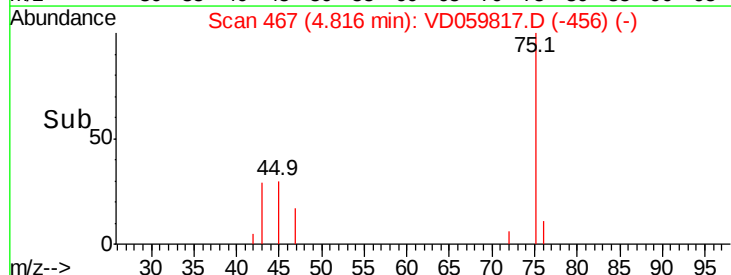
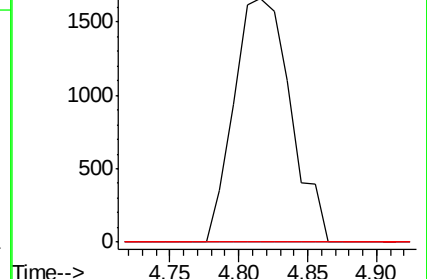
70 0.0 5.8 8.8#

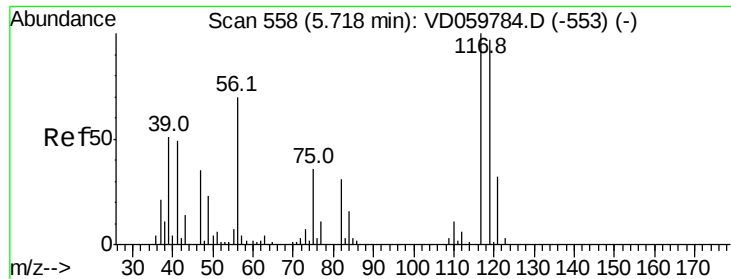


Abundance Ion 42.95 (42.65 to 43.65): VDC

Ion 60.95 (60.65 to 61.65): VDC

Ion 70.00 (69.70 to 70.70): VDC

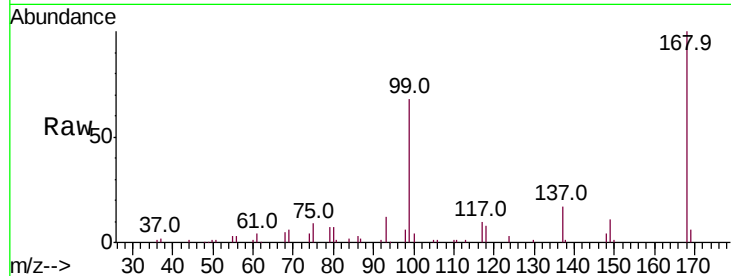




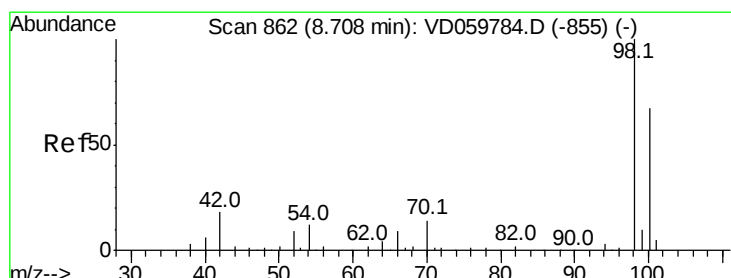
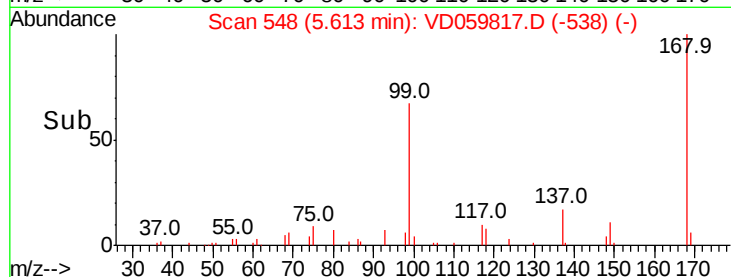
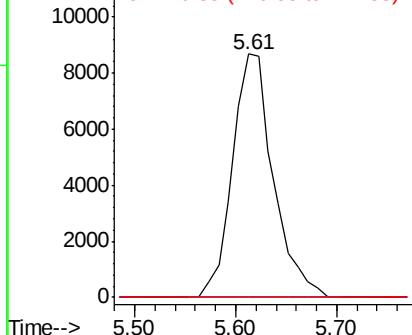
#38
Carbon Tetrachloride
Concen: 6.459 ug/l
RT: 5.61 min Scan# 548
Delta R.T. -0.10 min
Lab File: VD059817.D
Acq: 16 Aug 2018 18:16

Instrument :
MSVOA_D
ClientSampleId :

Tot Ion:117 Resp: 24391
Ion Ratio Lower Upper
117 100
119 0.0 75.7 113.5#
121 0.0 24.7 37.1#

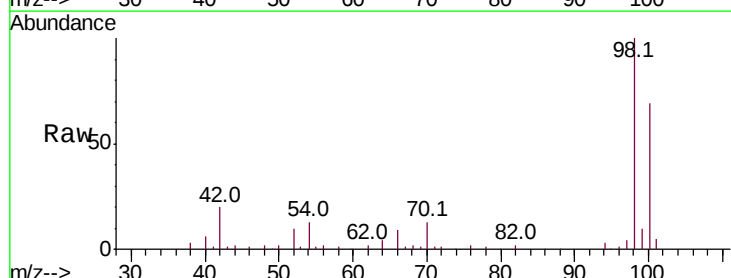


Abundance Ion 116.85 (116.55 to 117.55): V
Ion 118.85 (118.55 to 119.55): V
Ion 120.85 (120.55 to 121.55): V

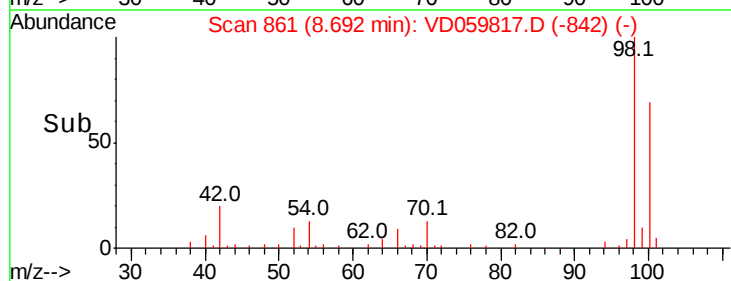
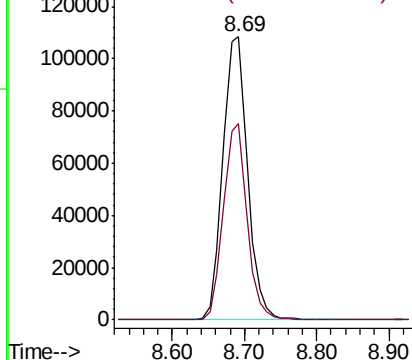


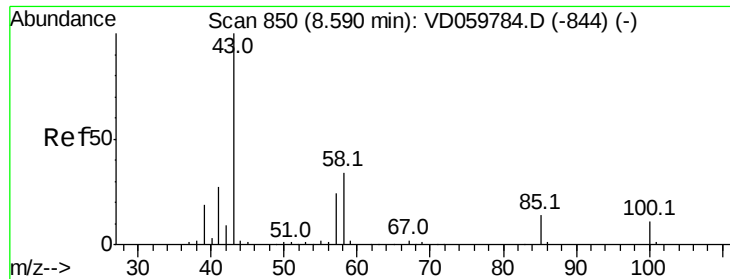
#50
Toluene-d8
Concen: N.D. ug/l
RT: 8.69 min Scan# 861
Delta R.T. -0.02 min
Lab File: VD059817.D
Acq: 16 Aug 2018 18:16

Tgt Ion: 98 Resp: 257107
Ion Ratio Lower Upper
98 100
100 69.2 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: 1.011 ug/l

RT: 8.68 min Scan# 860

Delta R.T. 0.09 min

Lab File: VD059817.D

Acq: 16 Aug 2018 18:16

Instrument :

MSVOA_D

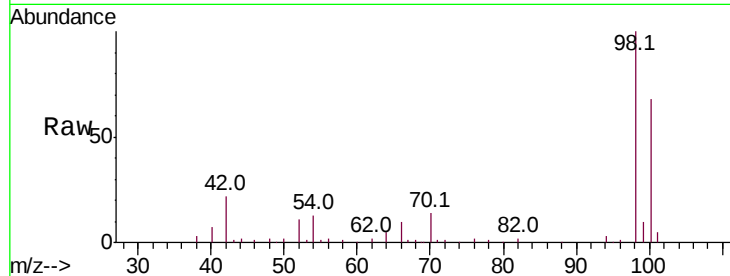
ClientSampled :

Tot Ion: 43 Resp: 1511

Ion Ratio Lower Upper

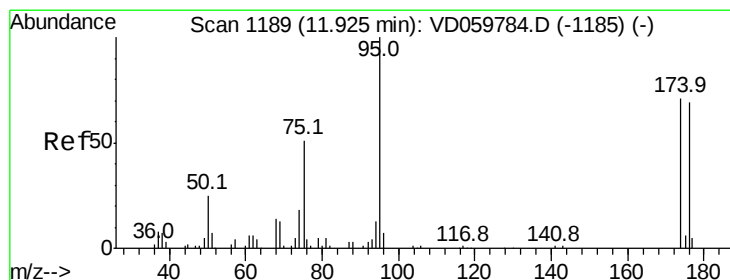
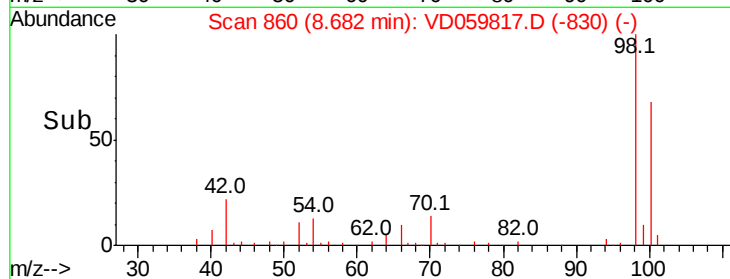
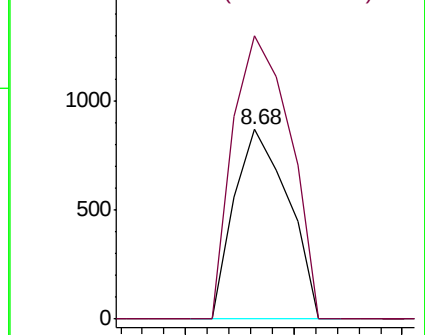
43 100

58 149.4 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: 11.92 min Scan# 1189

Delta R.T. -0.01 min

Lab File: VD059817.D

Acq: 16 Aug 2018 18:16

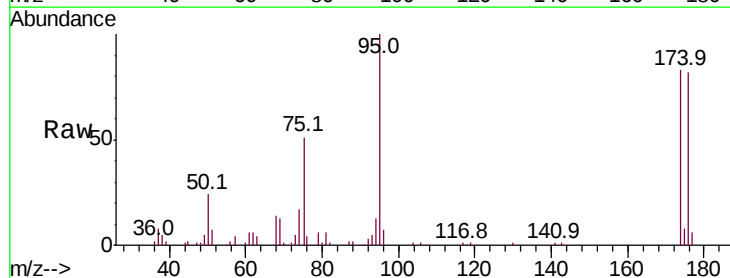
Tgt Ion: 95 Resp: 97832

Ion Ratio Lower Upper

95 100

174 82.5 0.0 142.2

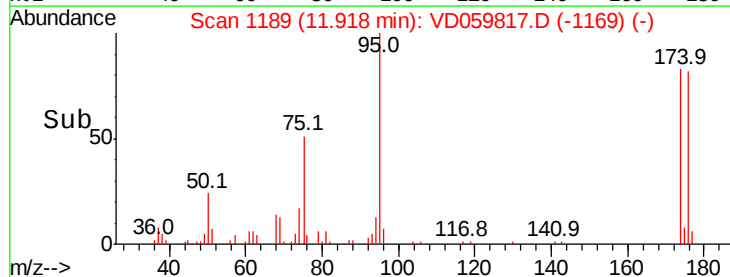
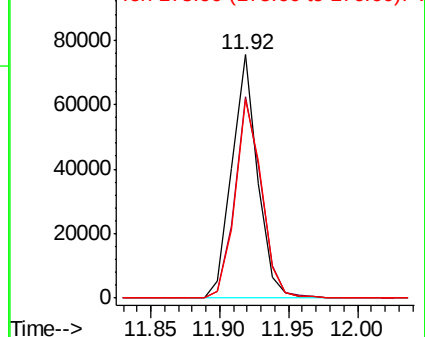
176 81.5 0.0 137.4

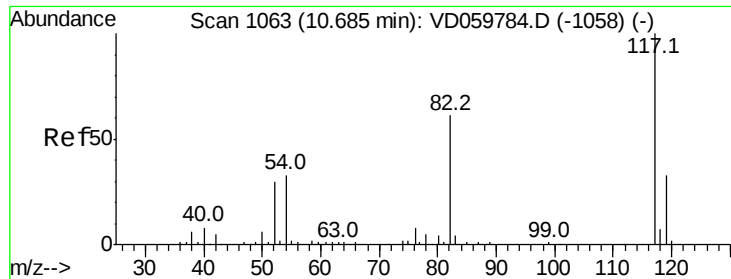


Abundance Ion 95.00 (94.70 to 95.70): VDC

Ion 173.90 (173.60 to 174.60): V

Ion 175.90 (175.60 to 176.60): V

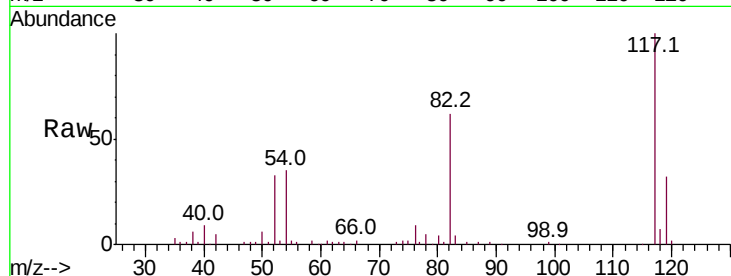




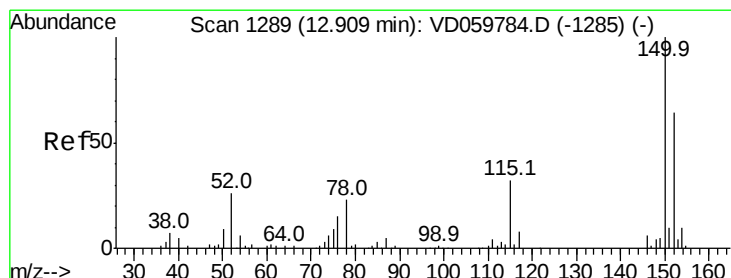
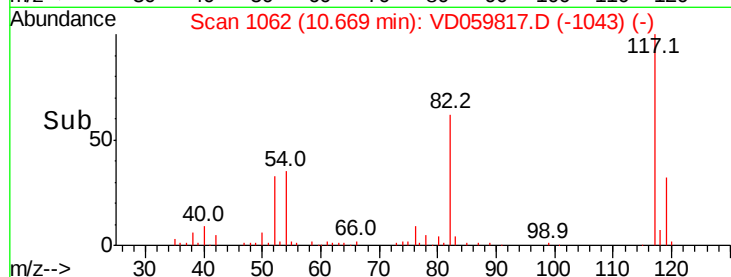
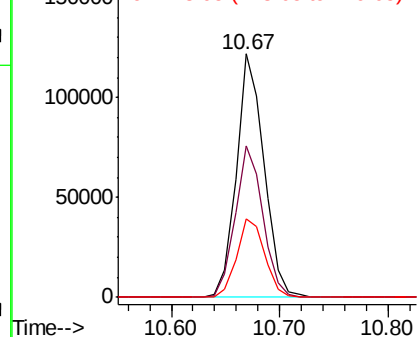
#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 10.67 min Scan# 1062
Delta R.T. -0.02 min
Lab File: VD059817.D
Acq: 16 Aug 2018 18:16

Instrument :
MSVOA_D
ClientSampleId :

Tot Ion:117 Resp: 215137
Ion Ratio Lower Upper
117 100
82 62.3 49.0 73.6
119 32.5 26.2 39.2

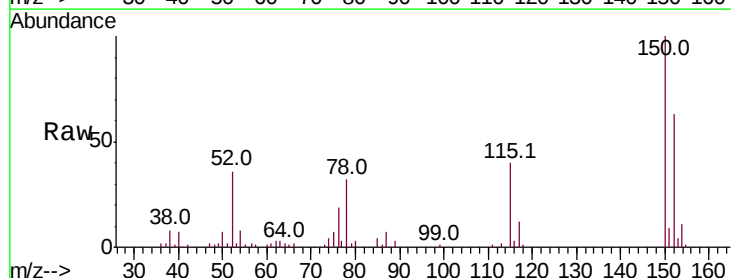


Abundance Ion 116.95 (116.65 to 117.65): V
Ion 82.05 (81.75 to 82.75): V
Ion 118.95 (118.65 to 119.65): V

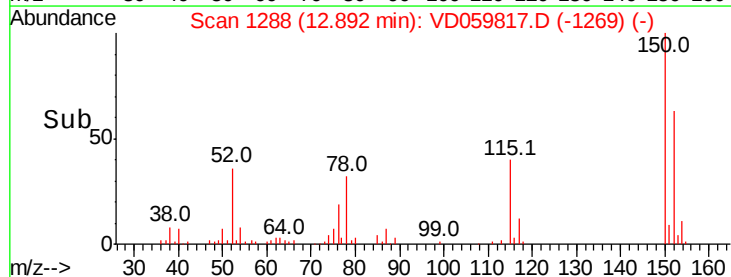
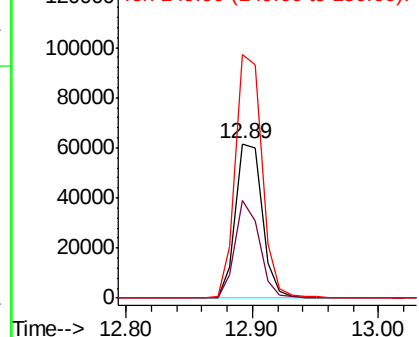


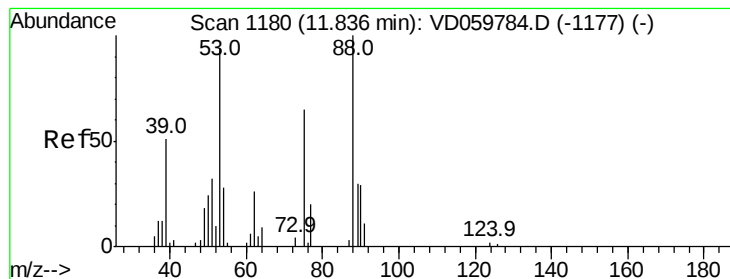
#72
1,4-Dichlorobenzene-d4
Concen: 50.000 ug/l
RT: 12.89 min Scan# 1288
Delta R.T. -0.02 min
Lab File: VD059817.D
Acq: 16 Aug 2018 18:16

Tgt Ion:152 Resp: 90089
Ion Ratio Lower Upper
152 100
115 63.1 27.2 81.5
150 157.8 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: 168.586 ug/l

RT: 11.92 min Scan# 1189

Delta R.T. 0.08 min

Lab File: VD059817.D

Acq: 16 Aug 2018 18:16

Instrument :

MSVOA_D

ClientSampleId :

Tot Ion: 75 Resp: 50415

Ion Ratio Lower Upper

75 100

53 0.0 116.2 174.2#

89 0.0 37.0 55.6#

