

Data Path : Z:\VOASRV\HPCHEM1\MSVOA D\DATA\VD073018\
 Data File : VD059645.D
 Acq On : 31 Jul 2018 3:54
 Operator : VA/AP
 Sample : J4218-03
 Misc : 5.87g/5ml/MSVOA D/SOIL
 ALS Vial : 23 Sample Multiplier: 1

Instrument :
 MSVOA_D
 ClientSampleId :
 TP-15-S

Quant Time: Jul 31 05:20:40 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	5.63	168	43713	50.00	ug/l	0.03
34) 1,4-Difluorobenzene	6.69	114	72284	50.00	ug/l	0.03
63) Chlorobenzene-d5	10.68	117	74402	50.00	ug/l	0.02
72) 1,4-Dichlorobenzene-d4	12.90	152	40250	50.00	ug/l	0.00

System Monitoring Compounds	R.T.	QIon	Response	Conc	Units	Dev(Min)
33) 1,2-Dichloroethane-d4	6.01	65	60134	109.42	ug/l	0.03
Spiked Amount			Recovery	=	218.84%	
35) Dibromofluoromethane	5.54	113	42544	68.61	ug/l	0.03
Spiked Amount			Recovery	=	137.22%	
50) Toluene-d8	8.70	98	79877	56.79	ug/l	0.03
Spiked Amount			Recovery	=	113.58%	
62) 4-Bromofluorobenzene	11.92	95	41102	64.87	ug/l	0.00
Spiked Amount			Recovery	=	129.74%	

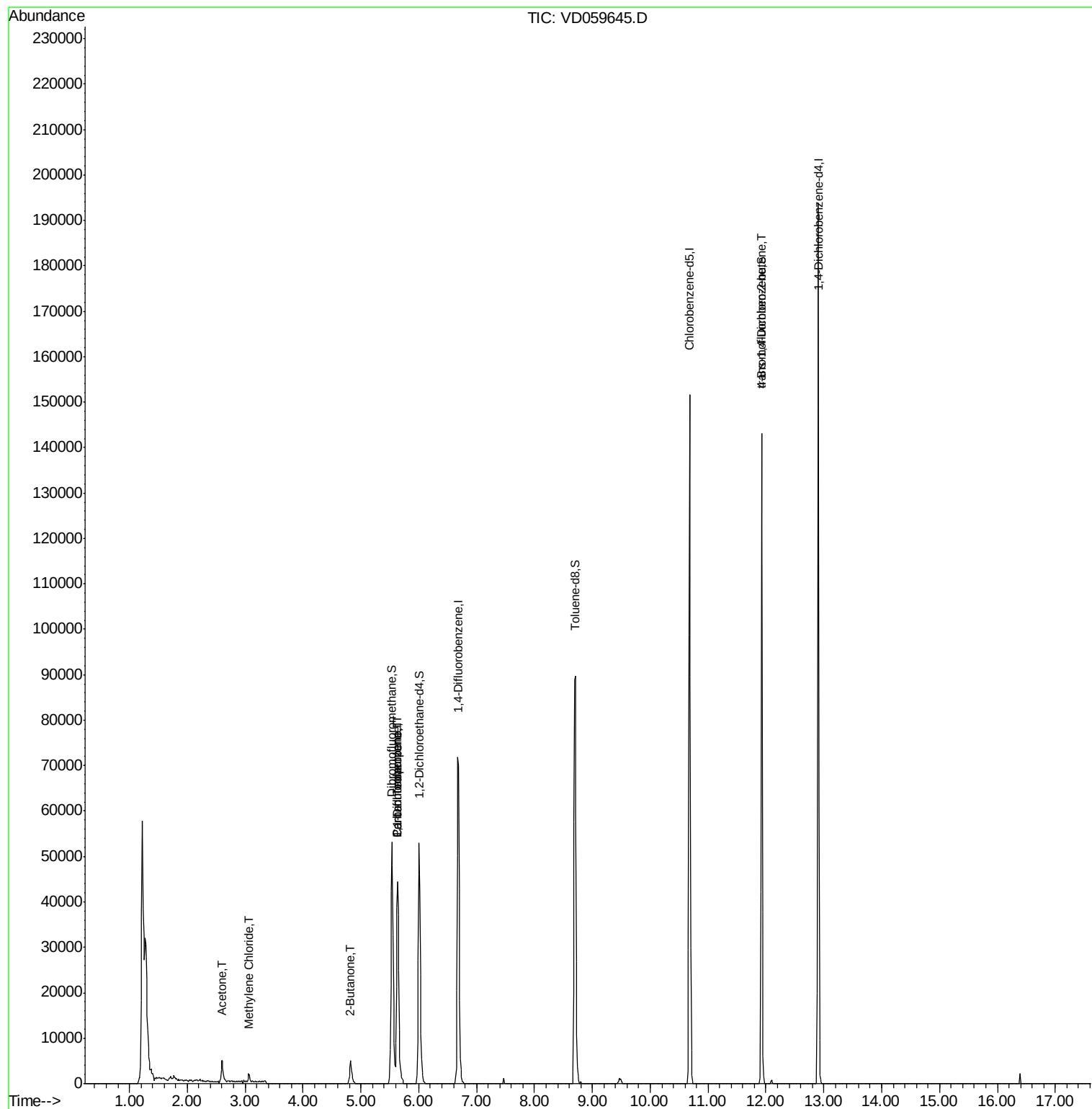
Target Compounds	R.T.	QIon	Response	Conc	Units	Qvalue
16) Acetone	2.60	43	9501	114.48	ug/l #	92
20) Methylene Chloride	3.07	84	970	4.10	ug/l #	59
25) 2-Butanone	4.82	43	220	1.74	ug/l #	59
31) Cyclohexane	5.63	56	656	Below Cal	#	1
36) 1,1-Dichloropropene	5.63	75	3925	5.41	ug/l #	43
38) Carbon Tetrachloride	5.63	117	4023	4.05	ug/l #	14
81) trans-1,4-Dichloro-2-buten	11.92	75	23202	136.34	ug/l #	1

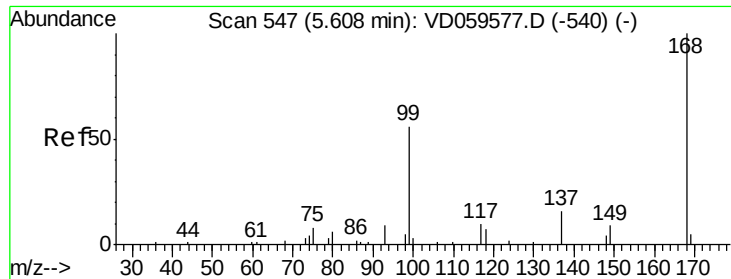
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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QLast Update : Wed Jul 25 07:10:33 2018
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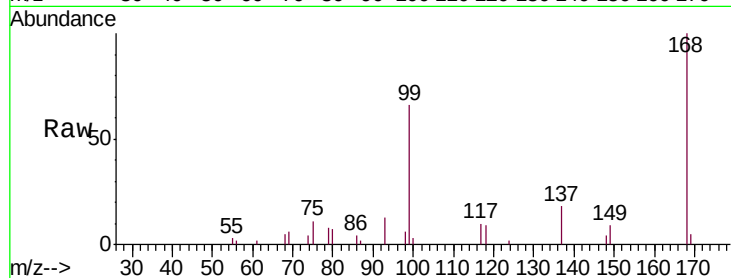




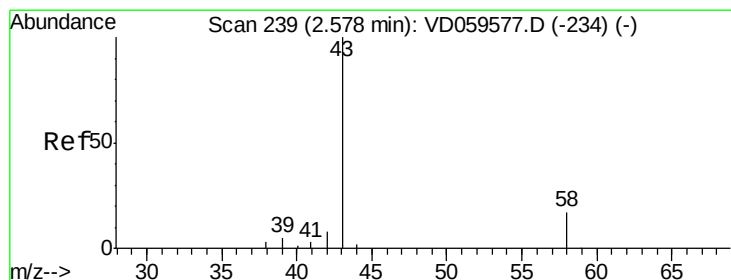
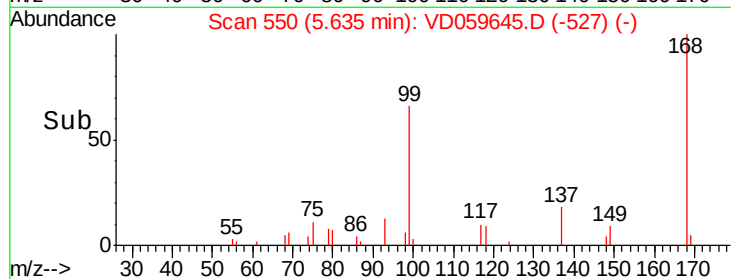
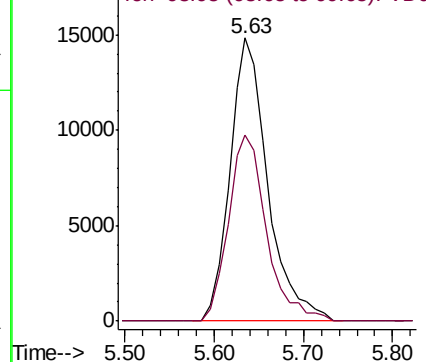
#1
Pentafluorobenzene
Concen: 50.00 ug/l
RT: 5.63 min Scan# 550
Delta R.T. 0.03 min
Lab File: VD059645.D
Acq: 31 Jul 2018 3:54

Instrument :
MSVOA_D
ClientSampleId :
TP-15-S

Tot Ion:168 Resp: 43713
Ion Ratio Lower Upper
168 100
99 65.8 47.3 70.9

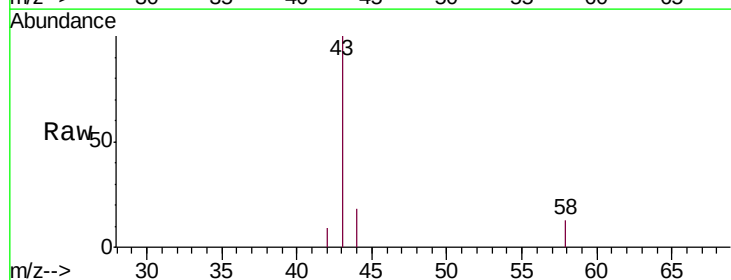


Abundance Ion 167.90 (167.60 to 168.60): V
Ion 98.95 (98.65 to 99.65): VDC

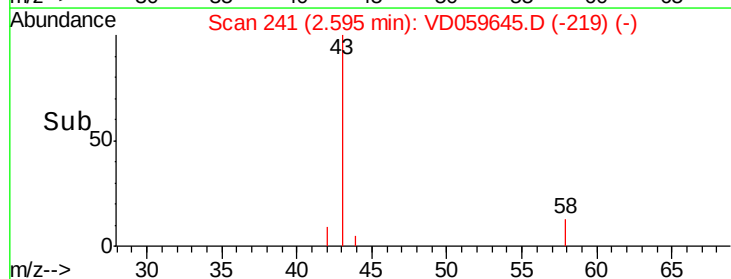
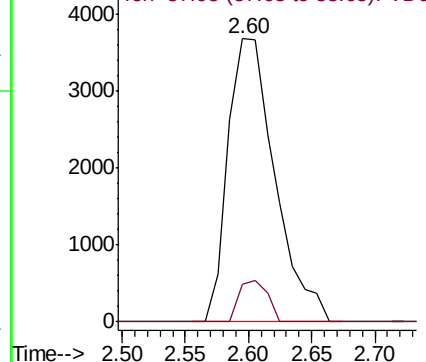


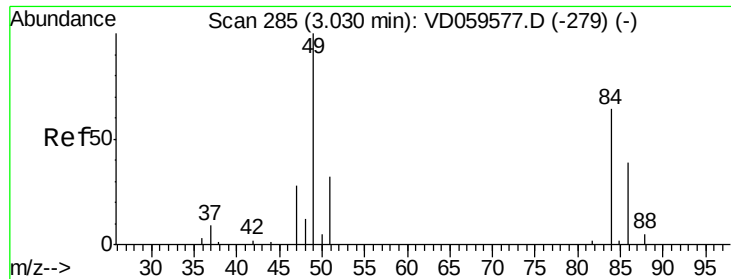
#16
Acetone
Concen: 114.48 ug/l
RT: 2.60 min Scan# 241
Delta R.T. 0.02 min
Lab File: VD059645.D
Acq: 31 Jul 2018 3:54

Tgt Ion: 43 Resp: 9501
Ion Ratio Lower Upper
43 100
58 13.1 13.4 20.0#



Abundance Ion 42.95 (42.65 to 43.65): VDC
Ion 57.95 (57.65 to 58.65): VDC

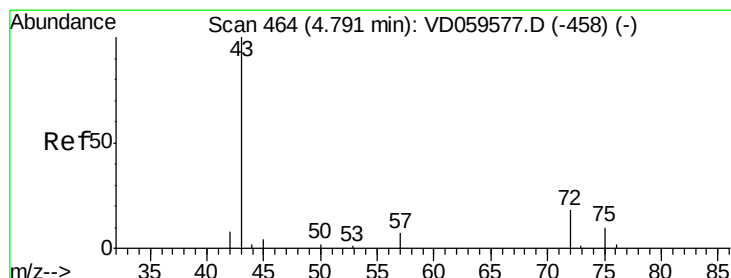
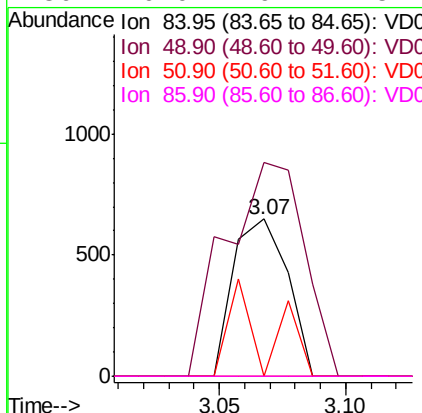
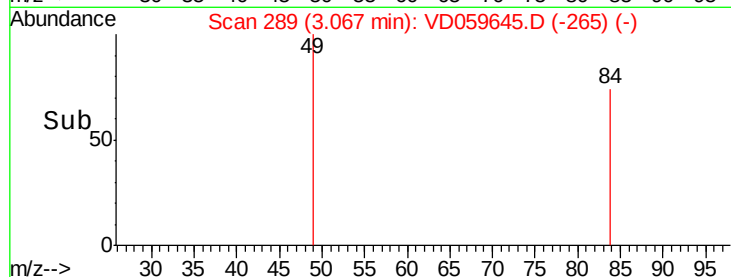
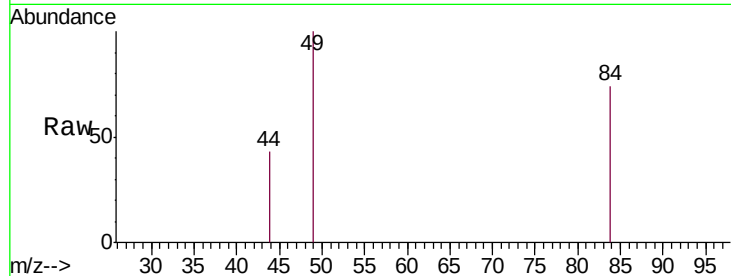




#20
Methvlene Chloride
Concen: 4.10 ug/l
RT: 3.07 min Scan# 289
Delta R.T. 0.04 min
Lab File: VD059645.D
Acq: 31 Jul 2018 3:54

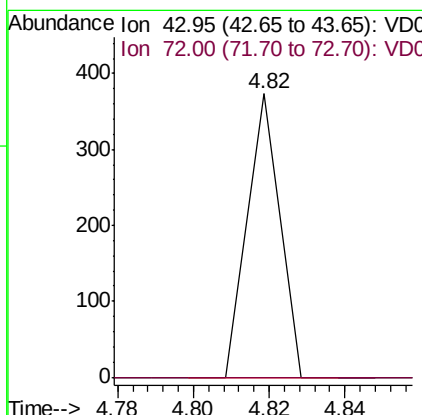
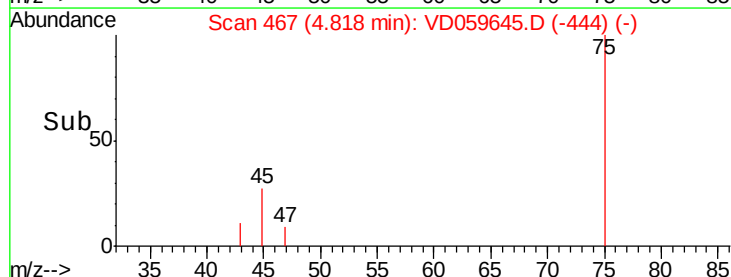
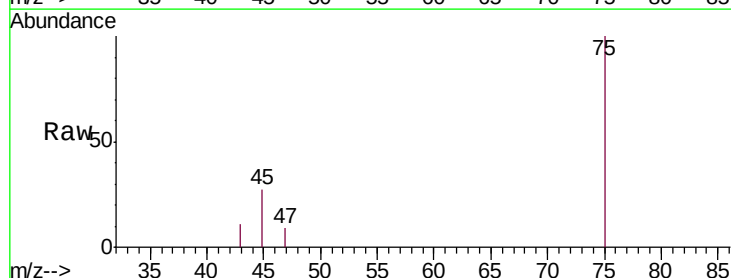
Instrument :
MSVOA_D
ClientSampleId :
TP-15-S

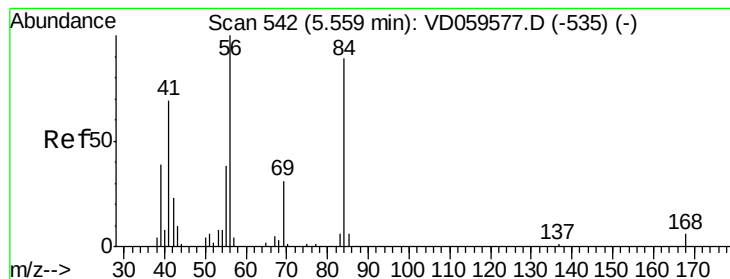
Tot Ion: 84 Resp: 970
Ion Ratio Lower Upper
84 100
49 136.0 125.4 188.2
51 0.0 39.7 59.5#
86 0.0 49.1 73.7#



#25
2-Butanone
Concen: 1.74 ug/l
RT: 4.82 min Scan# 467
Delta R.T. 0.03 min
Lab File: VD059645.D
Acq: 31 Jul 2018 3:54

Tgt Ion: 43 Resp: 220
Ion Ratio Lower Upper
43 100
72 0.0 14.7 22.1#





#31

Cyclohexane

Concen: Below Cal

RT: 5.63 min Scan# 549

Delta R.T. 0.07 min

Lab File: VD059645.D

Acq: 31 Jul 2018 3:54

Instrument :

MSVOA_D

ClientSampleId :

TP-15-S

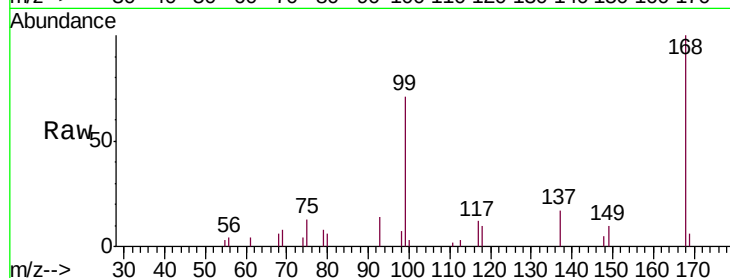
Tot Ion: 56 Resp: 656

Ion Ratio Lower Upper

56 100

69 210.6 24.6 37.0#

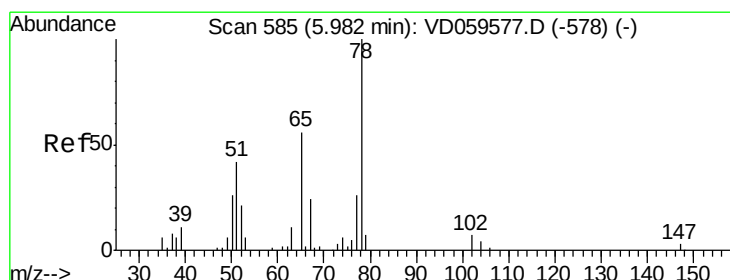
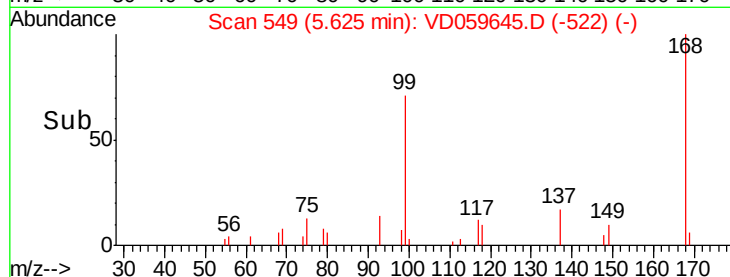
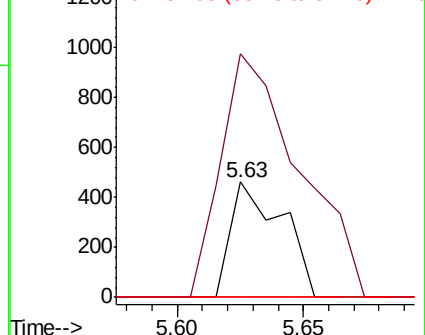
84 0.0 72.7 109.1#



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: 6.01 min Scan# 588

Delta R.T. 0.03 min

Lab File: VD059645.D

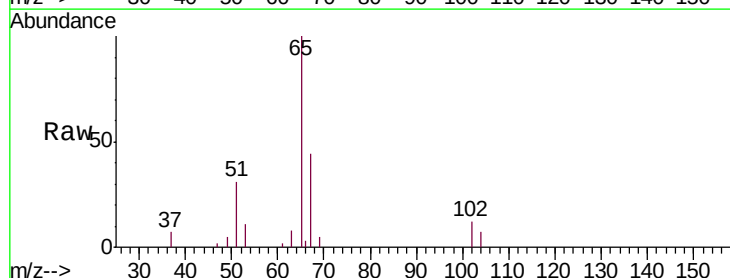
Acq: 31 Jul 2018 3:54

Tgt Ion: 65 Resp: 60134

Ion Ratio Lower Upper

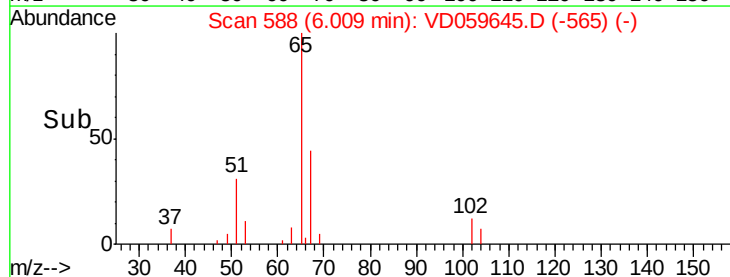
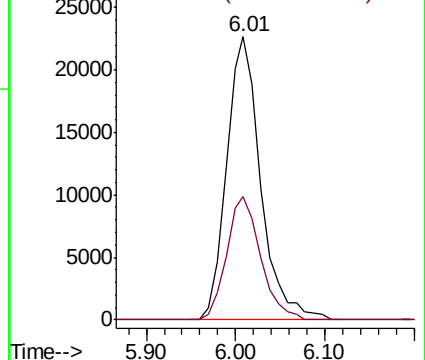
65 100

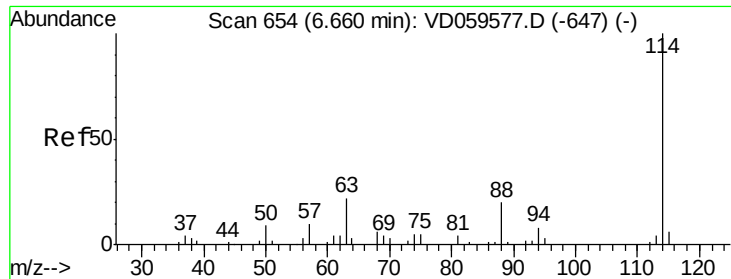
67 43.7 0.0 86.4



Abundance Ion 64.95 (64.65 to 65.65): VDC

Ion 66.90 (66.60 to 67.60): VDC

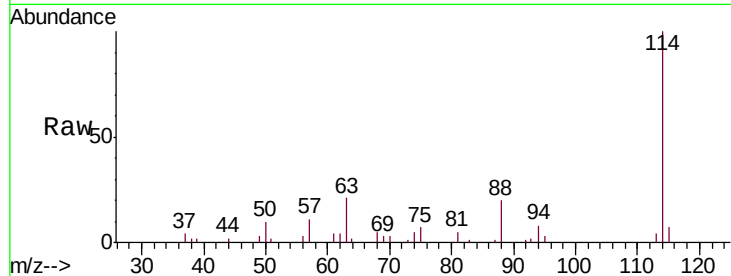




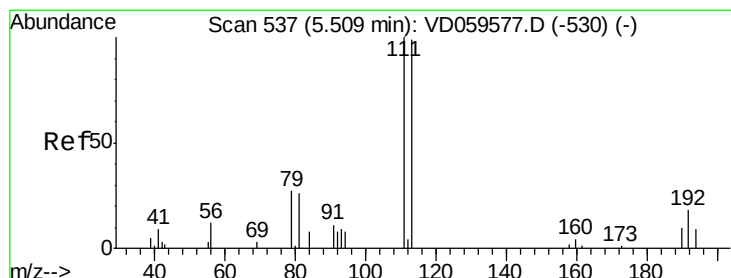
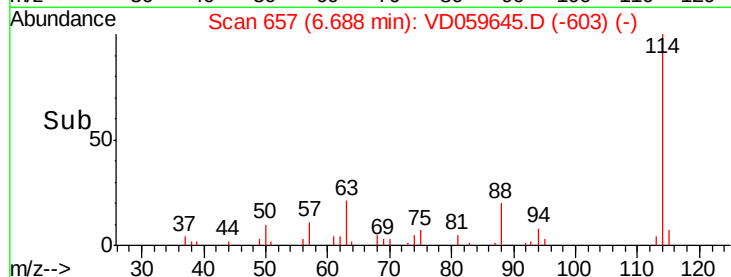
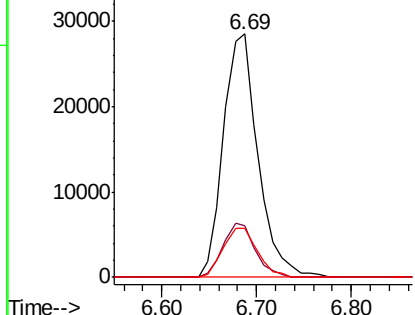
#34
 1,4-Difluorobenzene
 Concen: 50.00 ug/l
 RT: 6.69 min Scan# 657
 Delta R.T. 0.03 min
 Lab File: VD059645.D
 Acq: 31 Jul 2018 3:54

Instrument :
 MSVOA_D
 ClientSampleId :
 TP-15-S

Tot Ion:114 Resp: 72284
 Ion Ratio Lower Upper
 114 100
 63 21.0 0.0 43.8
 88 20.0 0.0 39.0

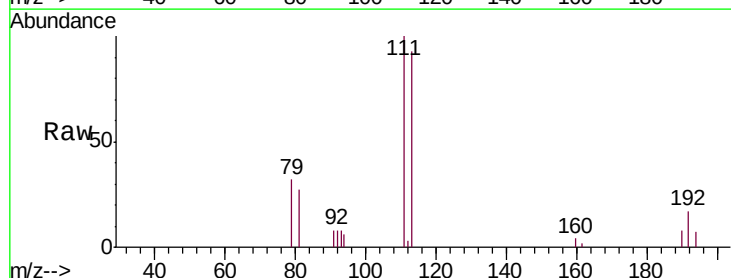


Abundance Ion 114.00 (113.70 to 114.70): V
 Ion 62.95 (62.65 to 63.65): V
 Ion 87.90 (87.60 to 88.60): V

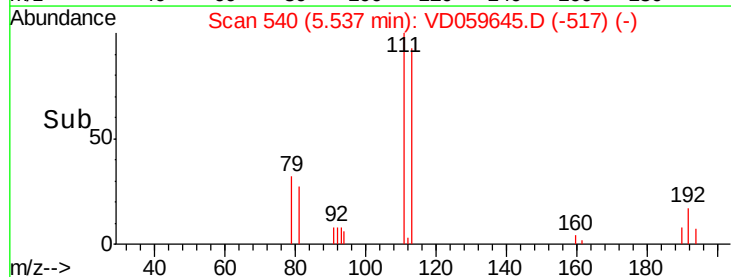
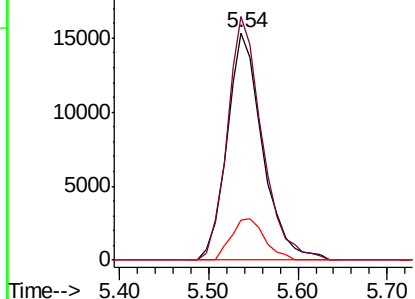


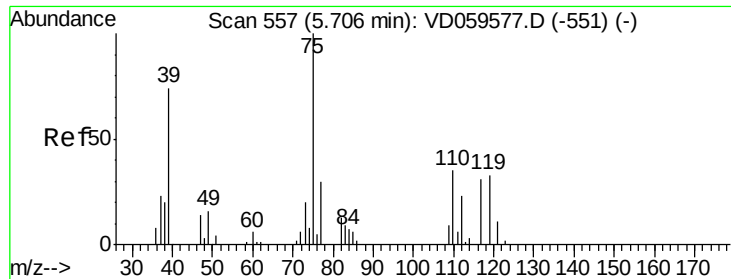
#35
 Dibromofluoromethane
 Concen: 50.00 ug/l
 RT: 5.54 min Scan# 540
 Delta R.T. 0.03 min
 Lab File: VD059645.D
 Acq: 31 Jul 2018 3:54

Tgt Ion:113 Resp: 42544
 Ion Ratio Lower Upper
 113 100
 111 107.2 80.5 120.7
 192 17.8 14.5 21.7



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

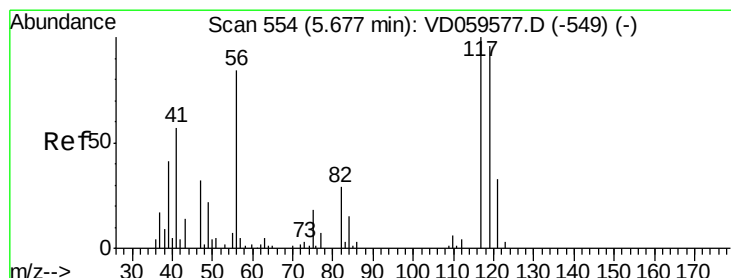
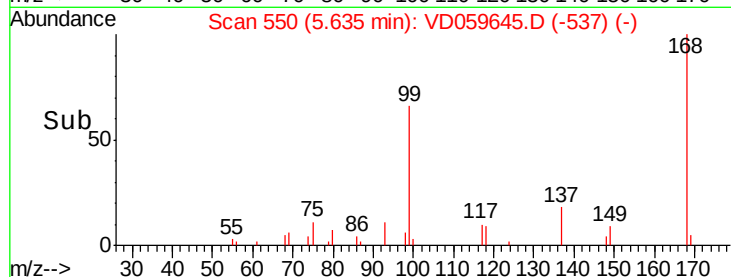
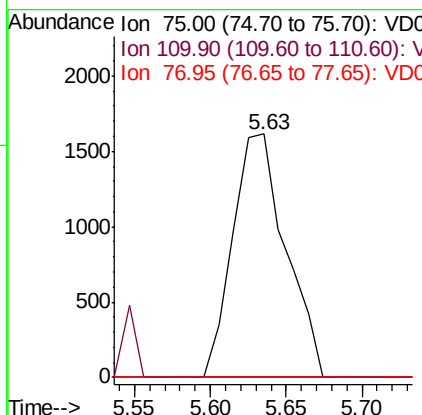
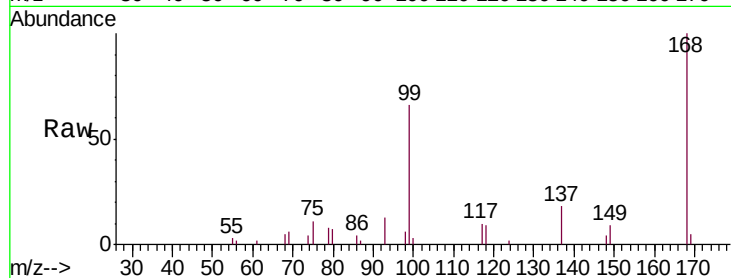




#36
 1,1-Dichloropropene
 Concen: 5.41 ug/l
 RT: 5.63 min Scan# 550
 Delta R.T. -0.07 min
 Lab File: VD059645.D
 Acq: 31 Jul 2018 3:54

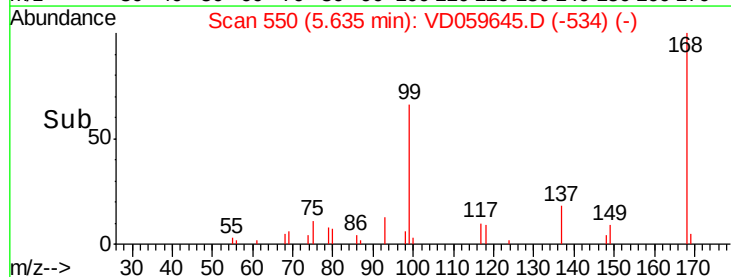
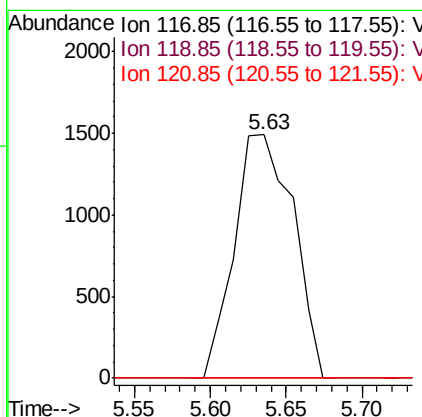
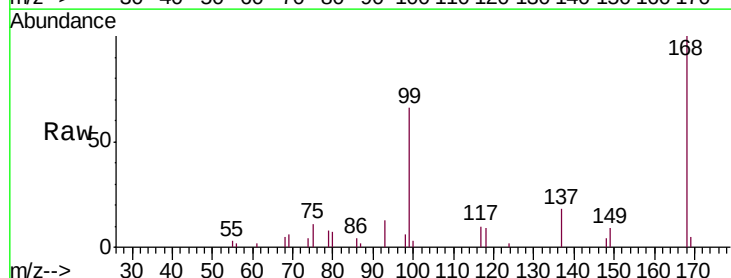
Instrument :
 MSVOA_D
 ClientSampleId :
 TP-15-S

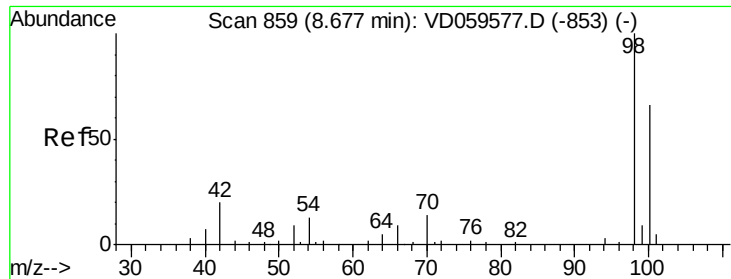
Tot Ion	Ratio	Lower	Upper
75	100		
110	0.0	17.0	50.9#
77	0.0	23.6	35.4#



#38
 Carbon Tetrachloride
 Concen: 4.05 ug/l
 RT: 5.63 min Scan# 550
 Delta R.T. -0.04 min
 Lab File: VD059645.D
 Acq: 31 Jul 2018 3:54

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

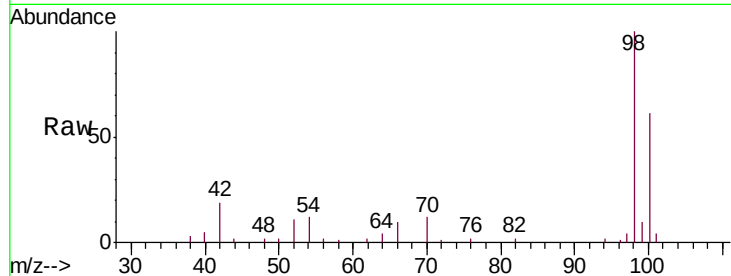




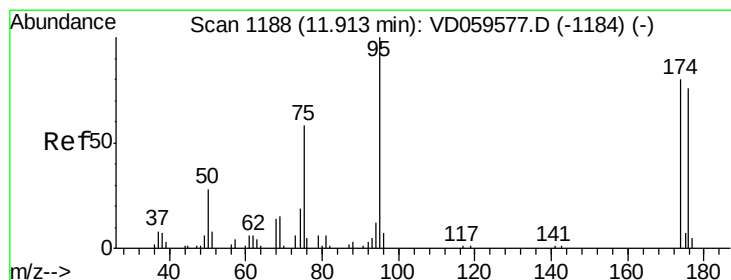
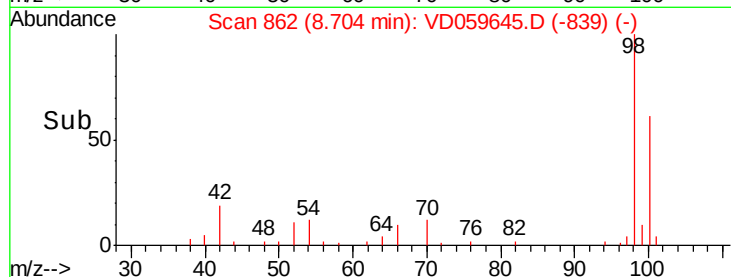
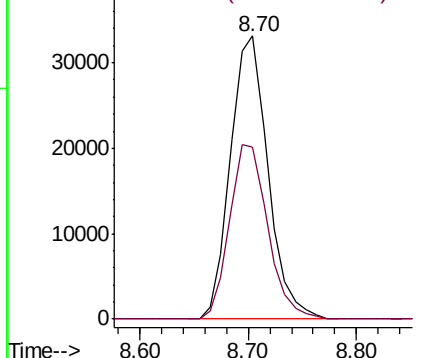
#50
Toluene-d8
Concen: N.D. ug/l
RT: 8.70 min Scan# 862
Delta R.T. 0.03 min
Lab File: VD059645.D
Acq: 31 Jul 2018 3:54

Instrument :
MSVOA_D
ClientSampled :
TP-15-S

Tot Ion: 98 Resp: 79877
Ion Ratio Lower Upper
98 100
100 60.9 53.2 79.8

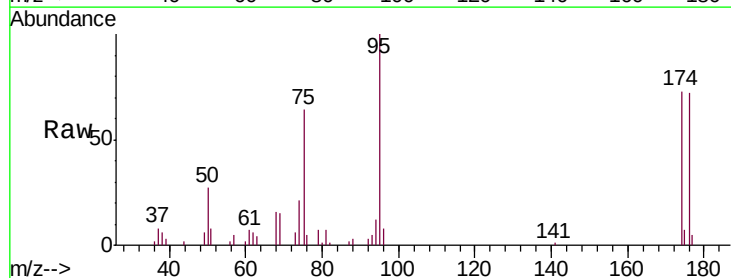


Abundance Ion 98.05 (97.75 to 98.75): VD0
Ion 100.05 (99.75 to 100.75): VD

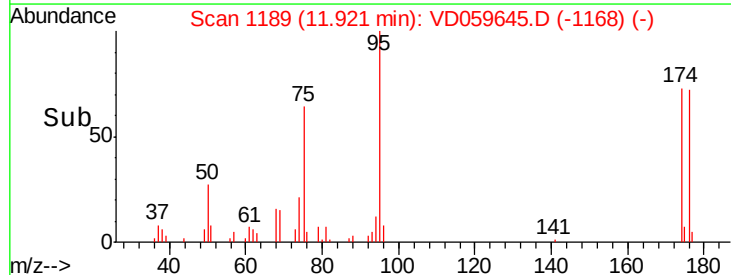
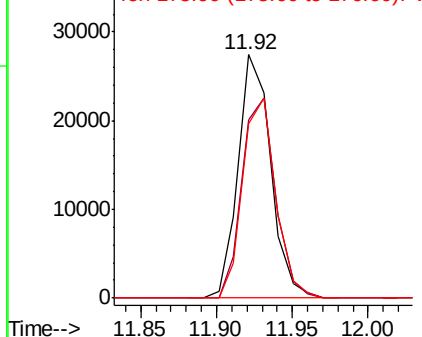


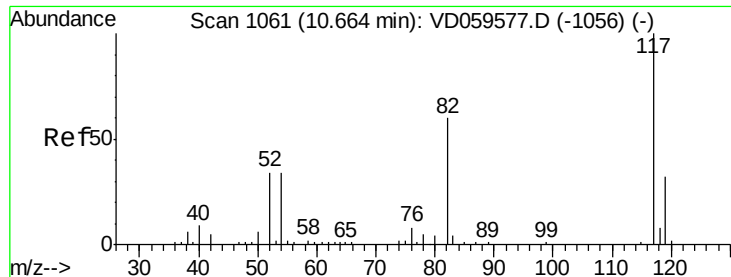
#62
4-Bromofluorobenzene
Concen: N.D. ug/l
RT: 11.92 min Scan# 1189
Delta R.T. 0.01 min
Lab File: VD059645.D
Acq: 31 Jul 2018 3:54

Tgt Ion: 95 Resp: 41102
Ion Ratio Lower Upper
95 100
174 73.2 0.0 160.6
176 71.8 0.0 152.8



Abundance Ion 95.00 (94.70 to 95.70): VD0
Ion 173.90 (173.60 to 174.60): V
Ion 175.90 (175.60 to 176.60): V





#63

Chlorobenzene-d5

Concen: 50.00 ug/l

RT: 10.68 min Scan# 1063

Delta R.T. 0.02 min

Lab File: VD059645.D

Acq: 31 Jul 2018 3:54

Instrument :

MSVOA_D

ClientSampleId :

TP-15-S

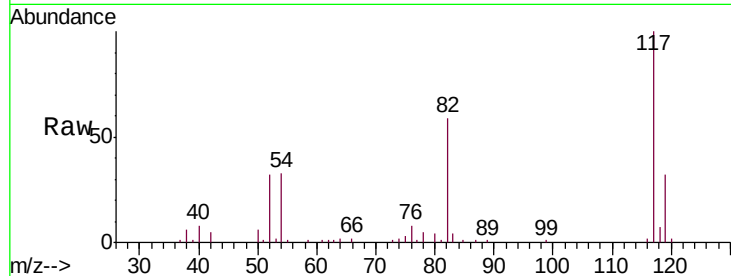
Tot Ion:117 Resp: 74402

Ion Ratio Lower Upper

117 100

82 59.4 48.2 72.2

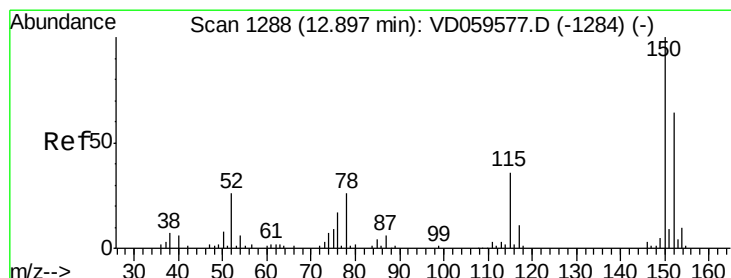
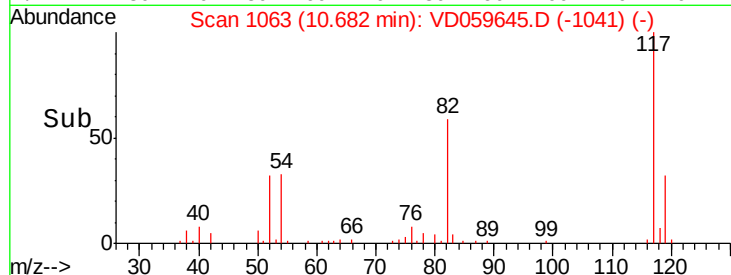
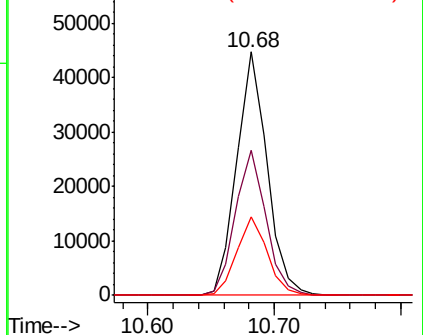
119 32.1 25.4 38.2



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: 50.00 ug/l

RT: 12.90 min Scan# 1289

Delta R.T. 0.01 min

Lab File: VD059645.D

Acq: 31 Jul 2018 3:54

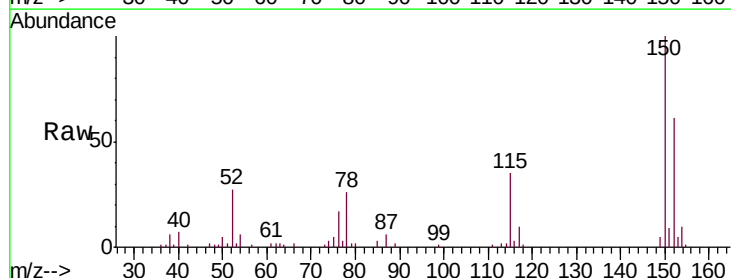
Tgt Ion:152 Resp: 40250

Ion Ratio Lower Upper

152 100

115 57.2 29.5 88.6

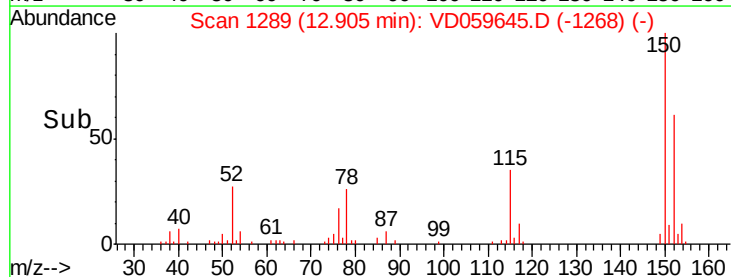
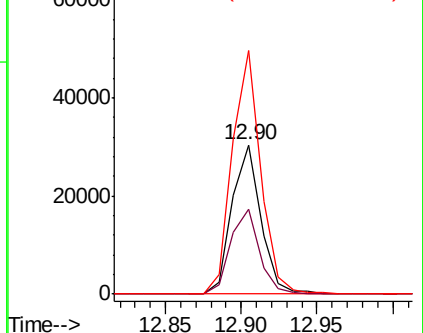
150 163.3 0.0 314.4

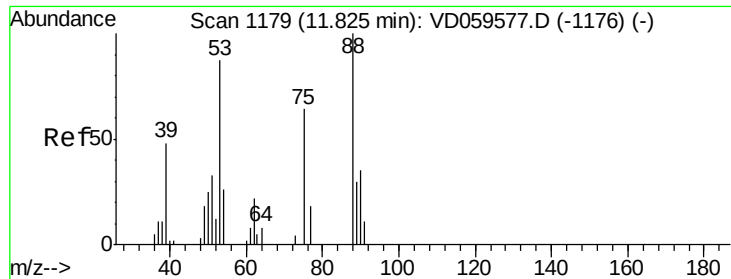


Abundance Ion 151.90 (151.60 to 152.60): V

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: 136.34 ug/l

RT: 11.92 min Scan# 1189

Delta R.T. 0.10 min

Lab File: VD059645.D

Acq: 31 Jul 2018 3:54

Instrument :

MSVOA_D

ClientSampleId :

TP-15-S

Tot Ion: 75 Resp: 23202

Ion Ratio Lower Upper

75 100

53 0.0 107.7 161.5#

89 0.0 37.3 55.9#

