

Data Path : Z:\VOASRV\HPCHEM1\MSVOA D\DATA\VD072618\
 Data File : COPY OF VD059614.D
 Acq On : 26 Jul 2018 19:38
 Operator : VA/AP
 Sample : J4070-01RE
 Misc : 5.06g/5ml/MSVOA D/SOIL
 ALS Vial : 13 Sample Multiplier: 1

Instrument :
 MSVOA_D
 ClientSampleId :

Quant Time: Jul 30 15:31:17 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	5.61	168	75235	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	6.67	114	100666	50.00	ug/l	0.00
63) Chlorobenzene-d5	10.68	117	85888	50.00	ug/l	0.02
72) 1,4-Dichlorobenzene-d4	12.90	152	40860	50.00	ug/l	0.00

System Monitoring Compounds	R.T.	QIon	Response	Conc	Units	Dev(Min)
33) 1,2-Dichloroethane-d4	5.99	65	60903	64.39	ug/l	0.00
Spiked Amount 50.000			Recovery	=	128.78%	
35) Dibromofluoromethane	5.52	113	47179	54.63	ug/l	0.00
Spiked Amount 50.000			Recovery	=	109.26%	
50) Toluene-d8	8.69	98	93828	47.90	ug/l	0.02
Spiked Amount 50.000			Recovery	=	95.80%	
62) 4-Bromofluorobenzene	11.92	95	40518	45.92	ug/l	0.00
Spiked Amount 50.000			Recovery	=	91.84%	

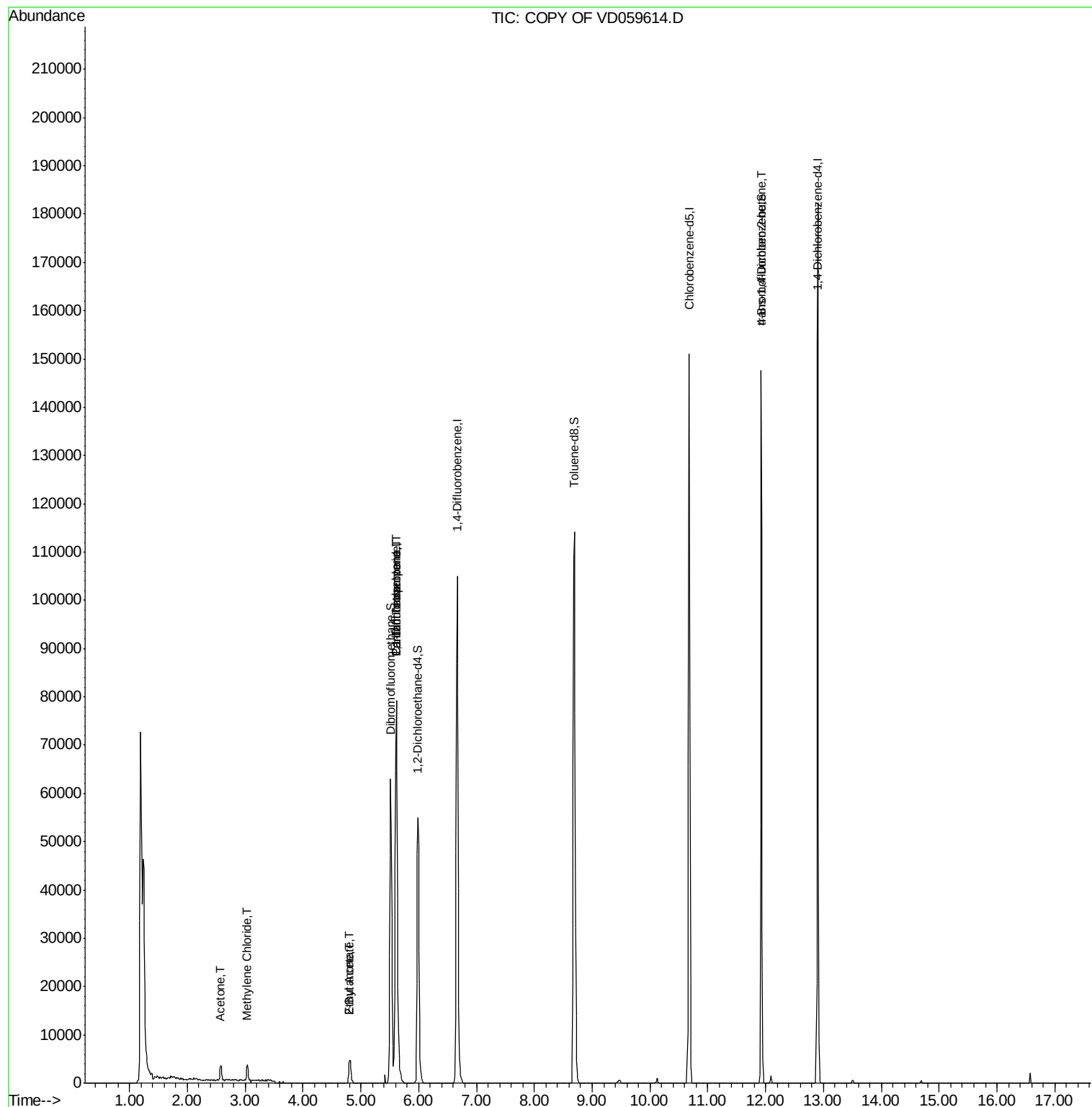
Target Compounds	R.T.	QIon	Response	Conc	Units	Qvalue
16) Acetone	2.57	43	5532	38.729	ug/l #	87
20) Methylene Chloride	3.04	84	1071	2.630	ug/l #	82
25) 2-Butanone	4.81	43	1198	5.500	ug/l #	59
31) Cyclohexane	5.61	56	1525	Below Cal	#	1
36) 1,1-Dichloropropene	5.61	75	6247	6.184	ug/l #	43
37) Ethyl Acetate	4.81	43	1198	2.306	ug/l #	71
38) Carbon Tetrachloride	5.61	117	7096	5.130	ug/l #	14
81) trans-1,4-Dichloro-2-buten	11.92	75	22896	132.533	ug/l #	1

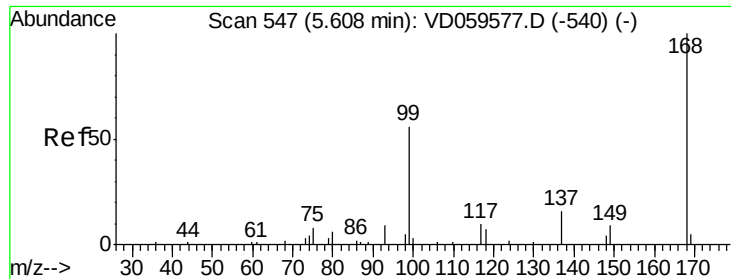
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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Quant Method : Z:\V0ASRV\HPCHEM1\MSVOA_D\METHOD\82D072418S.M
Quant Title : SW846 8260
QLast Update : Wed Jul 25 07:10:33 2018
Response via : Initial Calibration





#1

Pentafluorobenzene

Concen: 50.000 ug/l

RT: 5.61 min Scan# 548

Delta R.T. 0.01 min

Lab File: COPY OF VD059

Acq: 26 Jul 2018 19:38

Instrument :

MSVOA_D

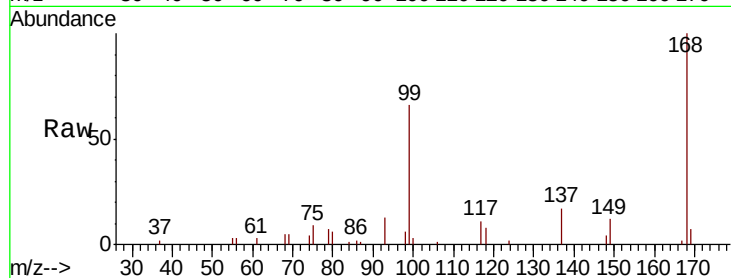
ClientSampleId :

Tot Ion:168 Resp: 75235

Ion Ratio Lower Upper

168 100

99 65.9 47.3 70.9

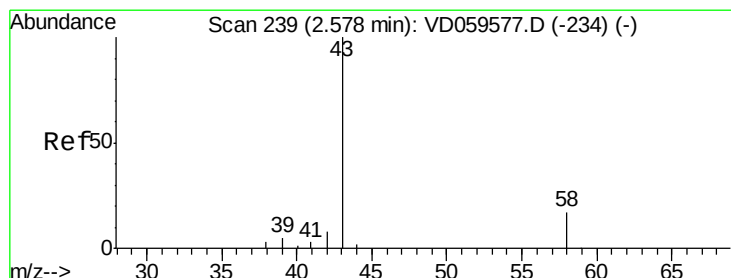
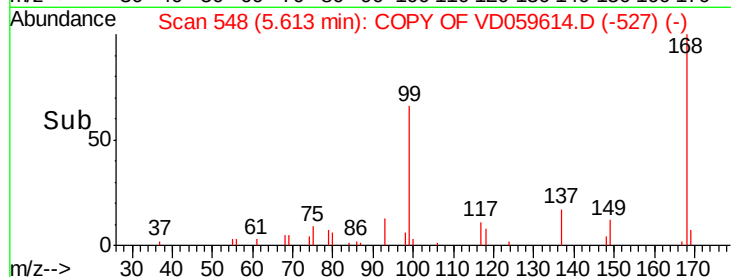


Abundance Ion 167.90 (167.60 to 168.60): C

Ion 98.95 (98.65 to 99.65): C

5.61

Time-->



#16

Acetone

Concen: 38.729 ug/l

RT: 2.57 min Scan# 239

Delta R.T. -0.00 min

Lab File: COPY OF VD059614.D

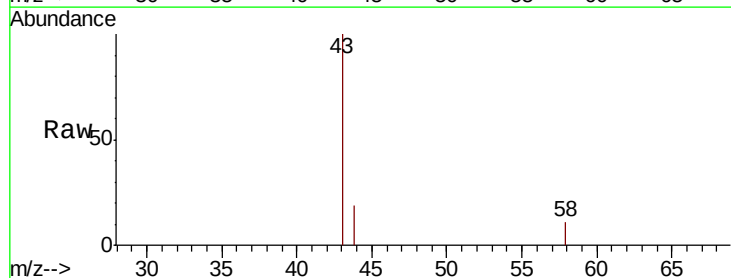
Acq: 26 Jul 2018 19:38

Tgt Ion: 43 Resp: 5532

Ion Ratio Lower Upper

43 100

58 11.2 13.4 20.0#

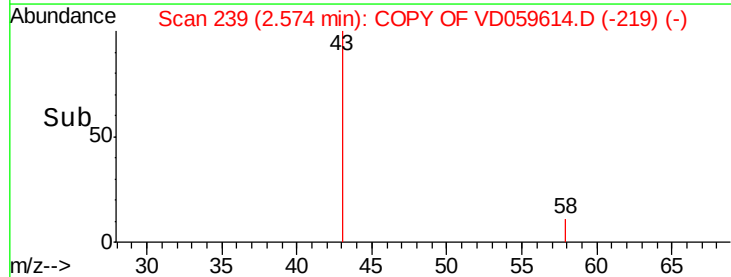


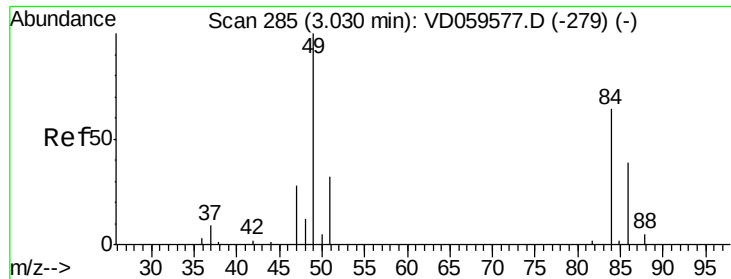
Abundance Ion 42.95 (42.65 to 43.65): C

Ion 57.95 (57.65 to 58.65): C

2.57

Time-->





#20

Methylene Chloride

Concen: 2.630 ug/l

RT: 3.04 min Scan# 286

Delta R.T. 0.01 min

Lab File: COPY OF VD059

Acq: 26 Jul 2018 19:38

Instrument :

MSVOA_D

ClientSampleId :

Tot Ion: 84 Resp: 1071

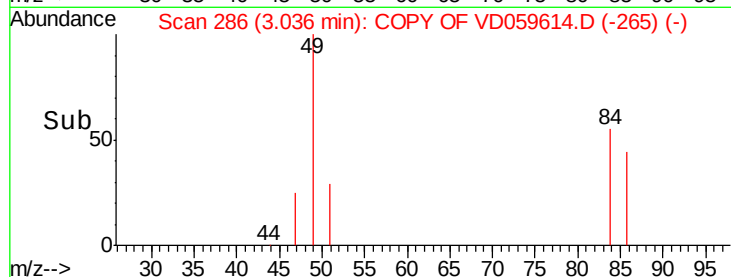
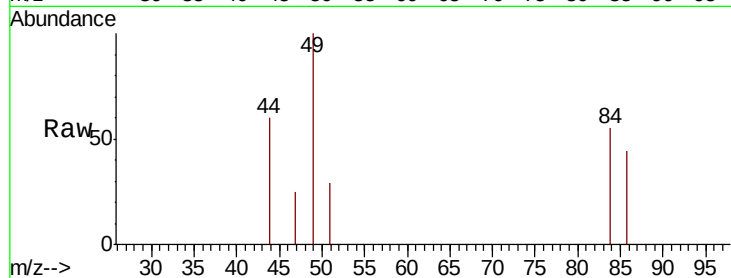
Ion Ratio Lower Upper

84 100

49 182.9 125.4 188.2

51 52.3 39.7 59.5

86 79.6 49.1 73.7#

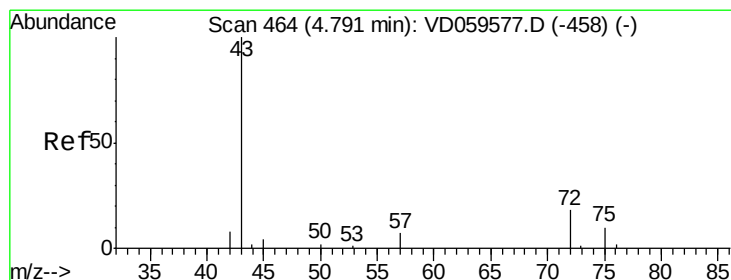
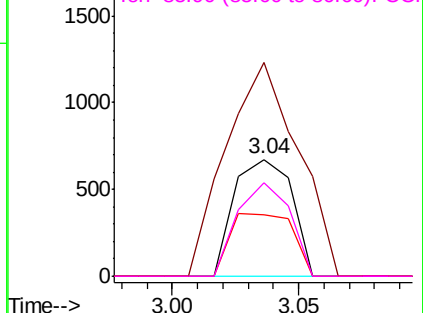


Abundance Ion 83.95 (83.65 to 84.65): COF

Ion 48.90 (48.60 to 49.60): COF

Ion 50.90 (50.60 to 51.60): COF

Ion 85.90 (85.60 to 86.60): COF



#25

2-Butanone

Concen: 5.500 ug/l

RT: 4.81 min Scan# 466

Delta R.T. 0.02 min

Lab File: COPY OF VD059614.D

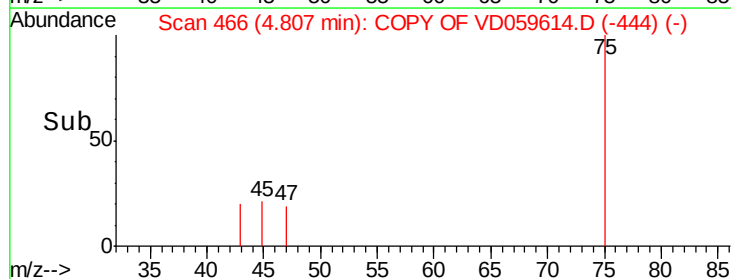
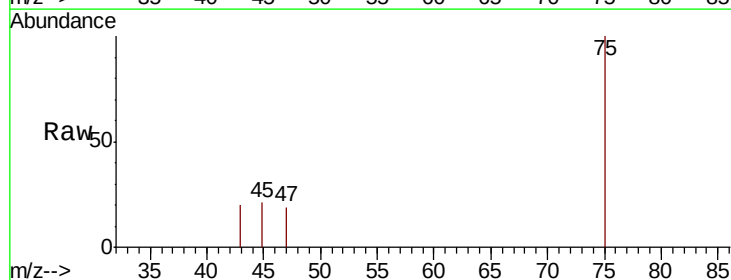
Acq: 26 Jul 2018 19:38

Tgt Ion: 43 Resp: 1198

Ion Ratio Lower Upper

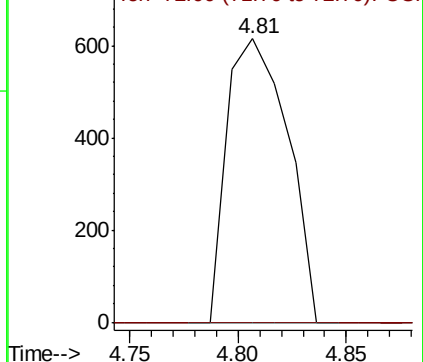
43 100

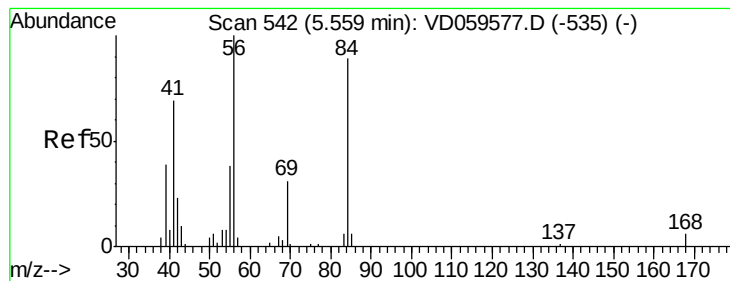
72 0.0 14.7 22.1#



Abundance Ion 42.95 (42.65 to 43.65): COF

Ion 72.00 (71.70 to 72.70): COF





#31

Cyclohexane

Concen: Below Cal

RT: 5.61 min Scan# 548

Delta R.T. 0.06 min

Lab File: COPY OF VD059

Acq: 26 Jul 2018 19:38

Instrument :

MSVOA_D

ClientSampleId :

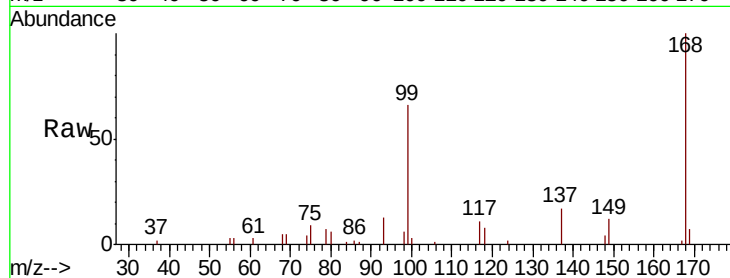
Tot Ion: 56 Resp: 1525

Ion Ratio Lower Upper

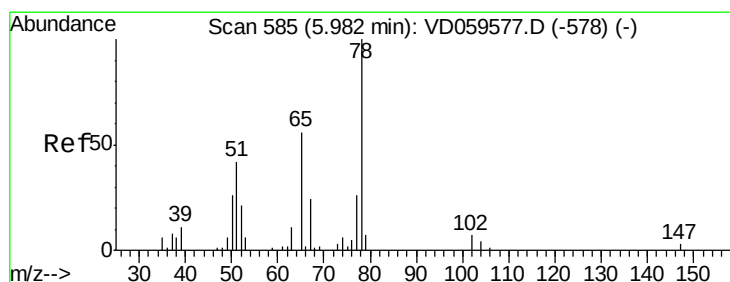
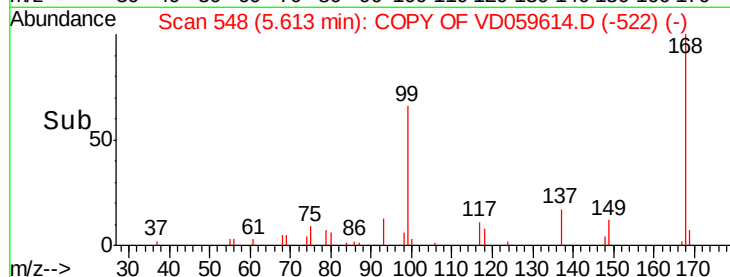
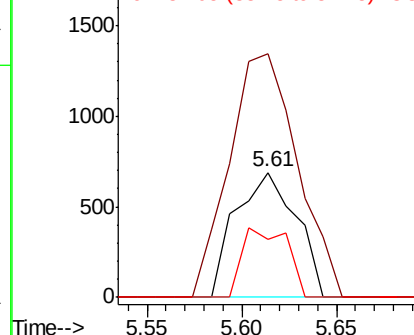
56 100

69 195.1 24.6 37.0#

84 46.6 72.7 109.1#



Abundance Ion 55.95 (55.65 to 56.65): COF
Ion 69.00 (68.70 to 69.70): COF
Ion 84.05 (83.75 to 84.75): COF



#33

1,2-Dichloroethane-d4

Concen: N.D. ug/l

RT: 5.99 min Scan# 586

Delta R.T. 0.01 min

Lab File: COPY OF VD059614.D

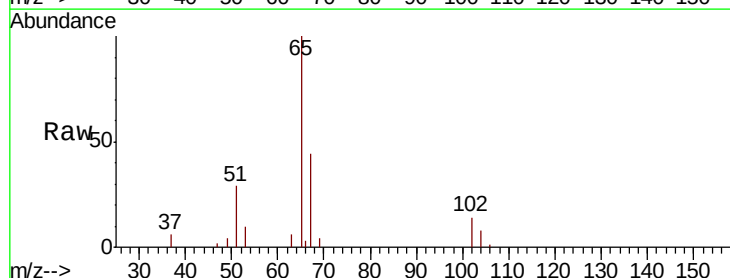
Acq: 26 Jul 2018 19:38

Tgt Ion: 65 Resp: 60903

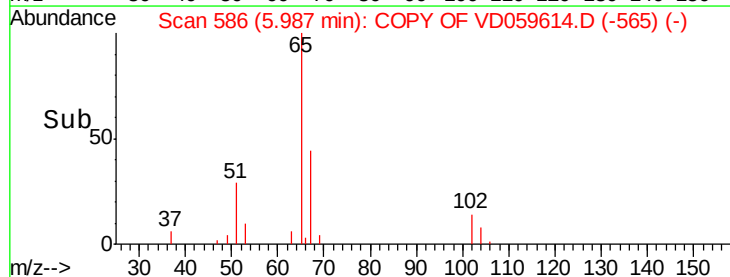
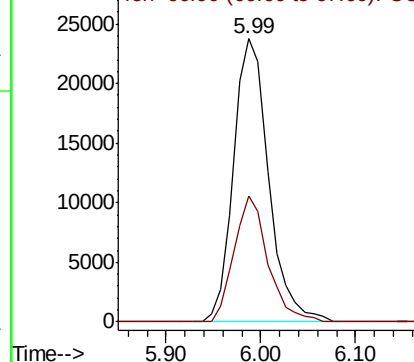
Ion Ratio Lower Upper

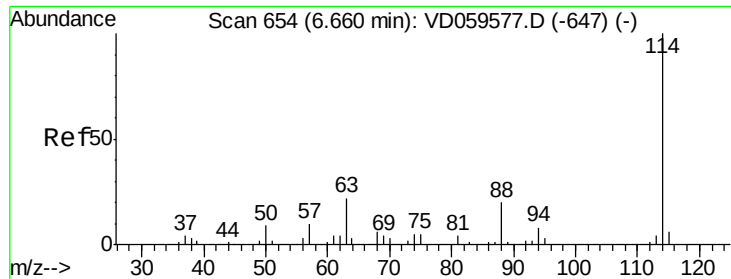
65 100

67 44.5 0.0 86.4



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

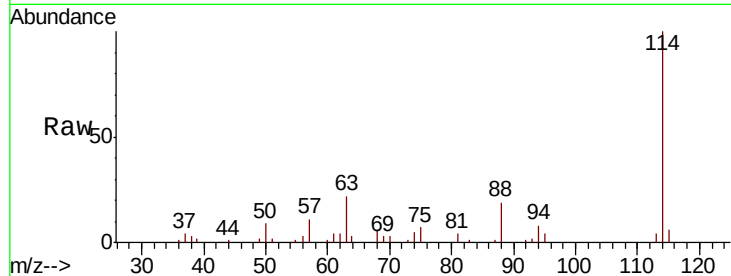




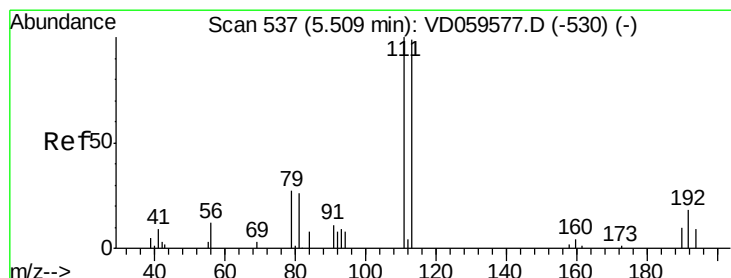
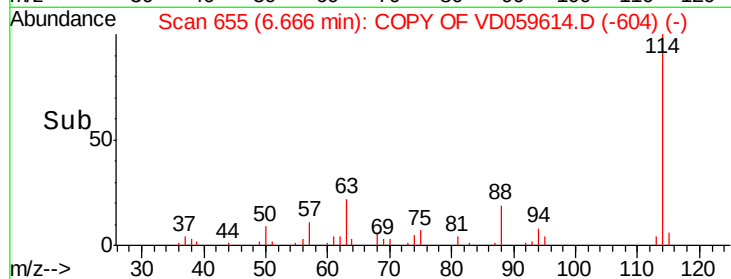
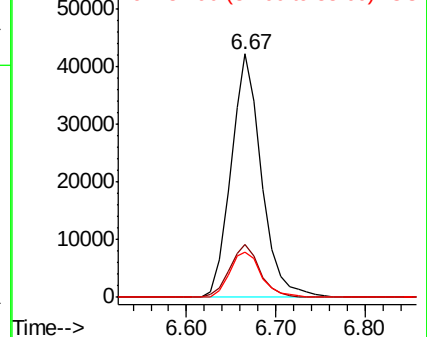
#34
 1,4-Difluorobenzene
 Concen: 50.000 ug/l
 RT: 6.67 min Scan# 655
 Delta R.T. 0.01 min
 Lab File: COPY OF VD059577.D
 Acq: 26 Jul 2018 19:38

Instrument :
 MSVOA_D
 ClientSampled :

Tot Ion:114 Resp: 100666
 Ion Ratio Lower Upper
 114 100
 63 21.9 0.0 43.8
 88 18.6 0.0 39.0

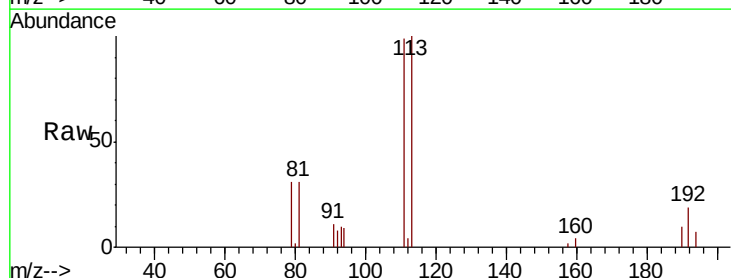


Abundance Ion 114.00 (113.70 to 114.70): C
 Ion 62.95 (62.65 to 63.65): C
 Ion 87.90 (87.60 to 88.60): C

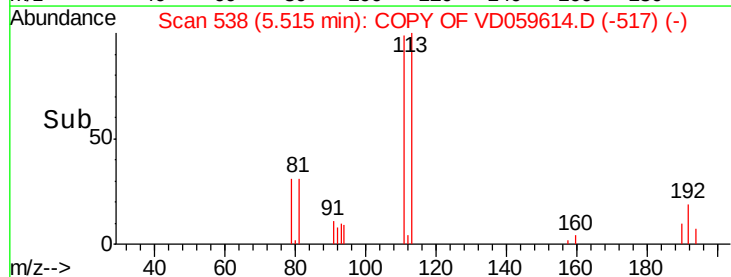
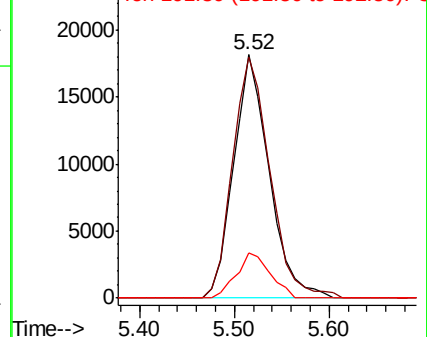


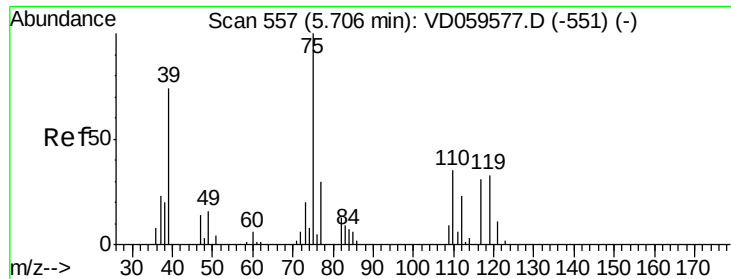
#35
 Dibromofluoromethane
 Concen: 50.000 ug/l
 RT: 5.52 min Scan# 538
 Delta R.T. 0.01 min
 Lab File: COPY OF VD059614.D
 Acq: 26 Jul 2018 19:38

Tgt Ion:113 Resp: 47179
 Ion Ratio Lower Upper
 113 100
 111 98.8 80.5 120.7
 192 18.7 14.5 21.7



Abundance Ion 112.90 (112.60 to 113.60): C
 Ion 110.90 (110.60 to 111.60): C
 Ion 191.80 (191.50 to 192.50): C





#36

1,1-Dichloropropene

Concen: 6.184 ug/l

RT: 5.61 min Scan# 548

Delta R.T. -0.09 min

Lab File: COPY OF VD059

Acq: 26 Jul 2018 19:38

Instrument :

MSVOA_D

ClientSampleId :

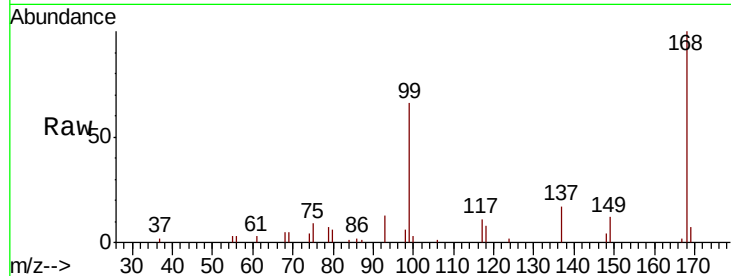
Tot Ion: 75 Resp: 6247

Ion Ratio Lower Upper

75 100

110 0.0 17.0 50.9#

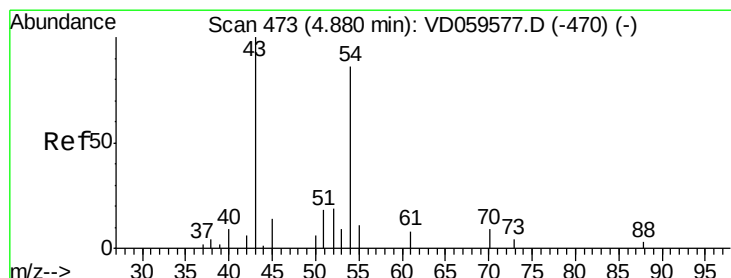
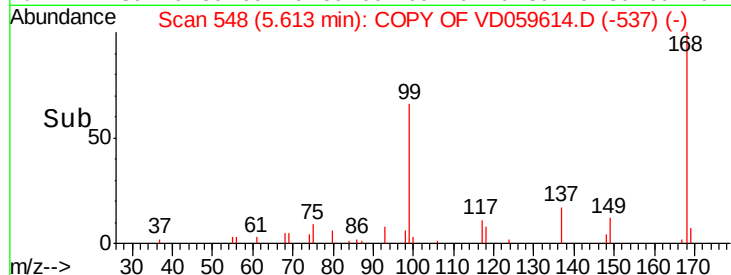
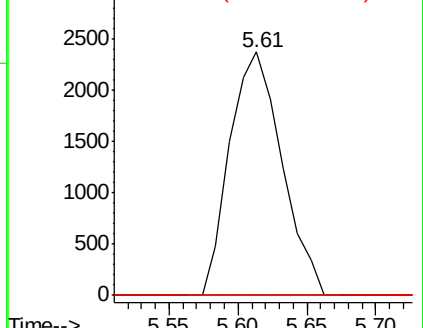
77 0.0 23.6 35.4#



Abundance Ion 75.00 (74.70 to 75.70): COF

Ion 109.90 (109.60 to 110.60): C

Ion 76.95 (76.65 to 77.65): COF



#37

Ethyl Acetate

Concen: 2.306 ug/l

RT: 4.81 min Scan# 466

Delta R.T. -0.07 min

Lab File: COPY OF VD059614.D

Acq: 26 Jul 2018 19:38

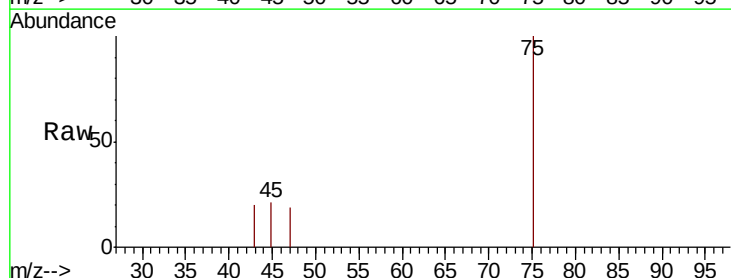
Tgt Ion: 43 Resp: 1198

Ion Ratio Lower Upper

43 100

61 0.0 10.7 16.1#

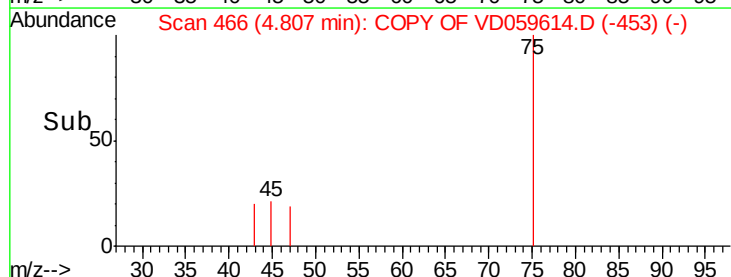
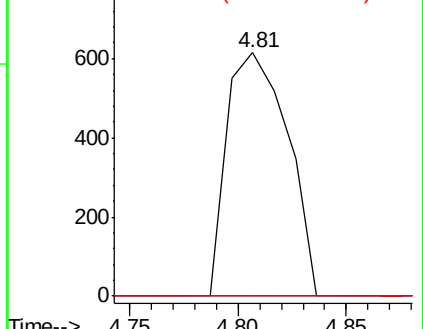
70 0.0 5.4 8.0#

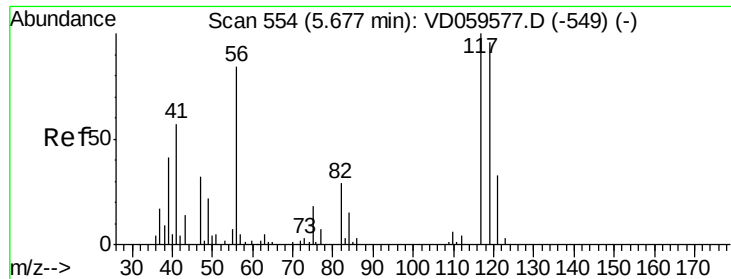


Abundance Ion 42.95 (42.65 to 43.65): COF

Ion 60.95 (60.65 to 61.65): COF

Ion 70.00 (69.70 to 70.70): COF





#38

Carbon Tetrachloride

Concen: 5.130 ug/l

RT: 5.61 min Scan# 548

Delta R.T. -0.06 min

Lab File: COPY OF VD059

Acq: 26 Jul 2018 19:38

Instrument :

MSVOA_D

ClientSampleId :

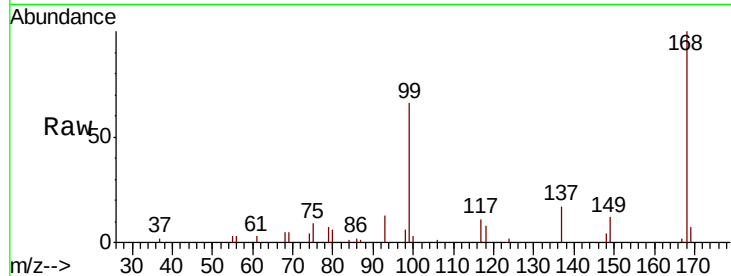
Tot Ion:117 Resp: 7096

Ion Ratio Lower Upper

117 100

119 0.0 73.6 110.4#

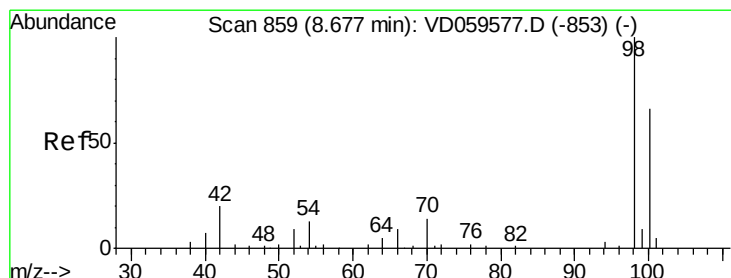
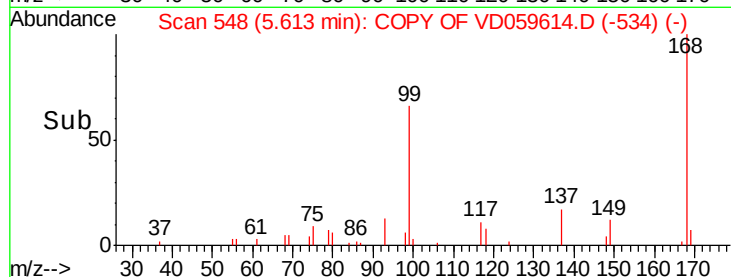
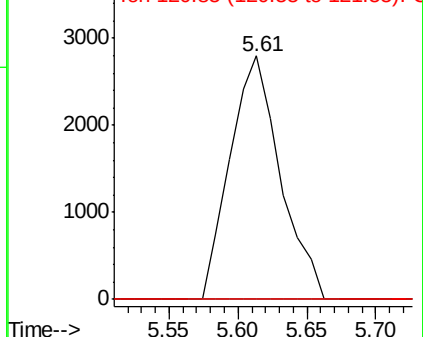
121 0.0 25.0 37.6#



Abundance Ion 116.85 (116.55 to 117.55): C

Ion 118.85 (118.55 to 119.55): C

Ion 120.85 (120.55 to 121.55): C



#50

Toluene-d8

Concen: N.D. ug/l

RT: 8.69 min Scan# 861

Delta R.T. 0.02 min

Lab File: COPY OF VD059614.D

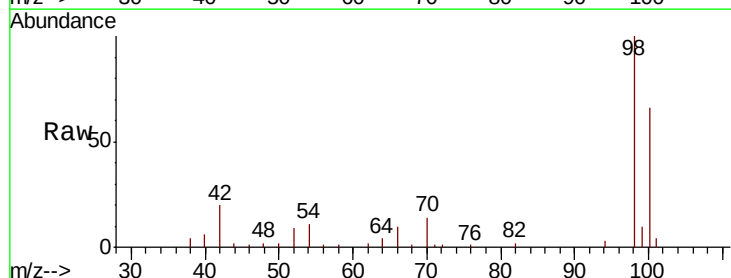
Acq: 26 Jul 2018 19:38

Tgt Ion: 98 Resp: 93828

Ion Ratio Lower Upper

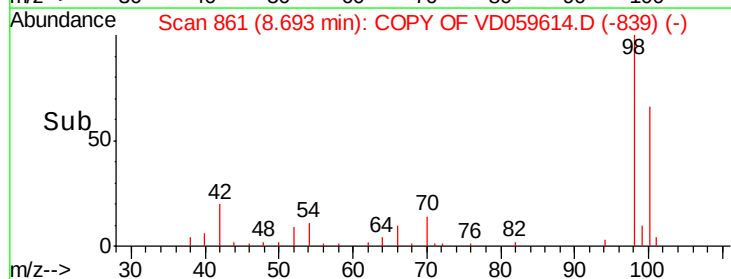
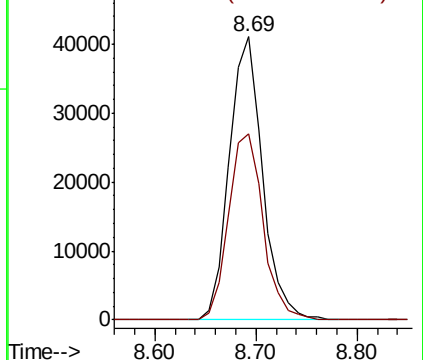
98 100

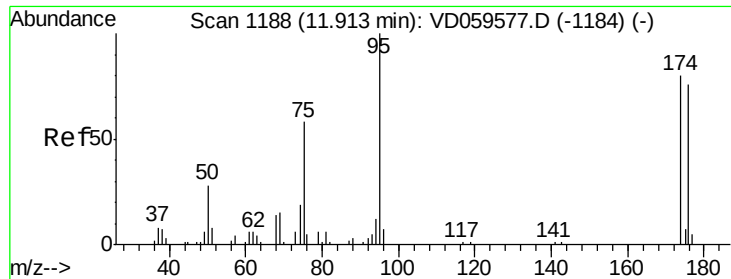
100 65.7 53.2 79.8



Abundance Ion 98.05 (97.75 to 98.75): C

Ion 100.05 (99.75 to 100.75): C





#62

4-Bromofluorobenzene

Concen: N.D. ug/l

RT: 11.92 min Scan# 1189

Delta R.T. 0.01 min

Lab File: COPY OF VD059

Acq: 26 Jul 2018 19:38

Instrument :

MSVOA_D

ClientSampleId :

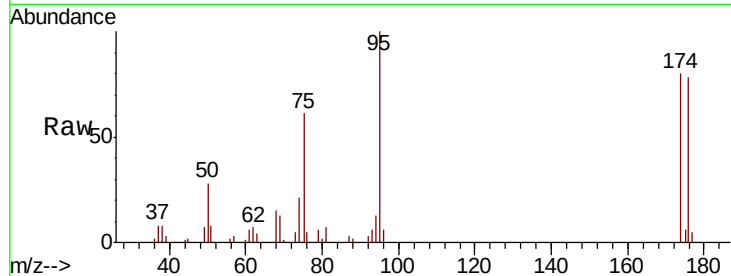
Tot Ion: 95 Resp: 40518

Ion Ratio Lower Upper

95 100

174 79.8 0.0 160.6

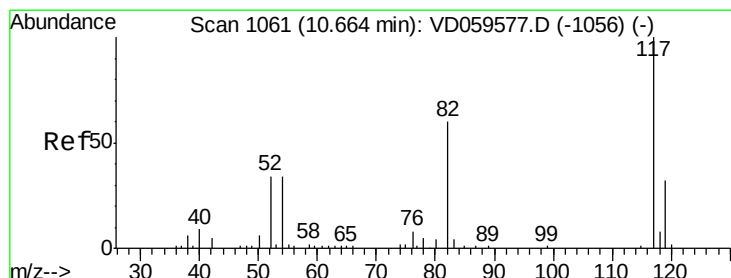
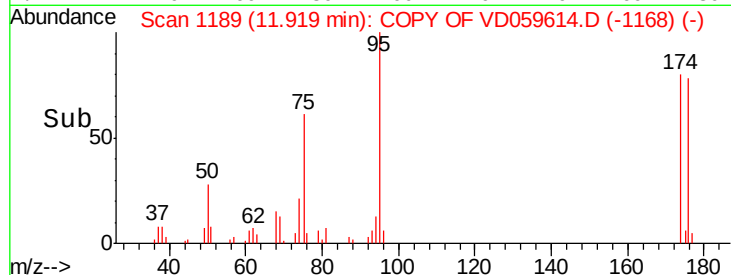
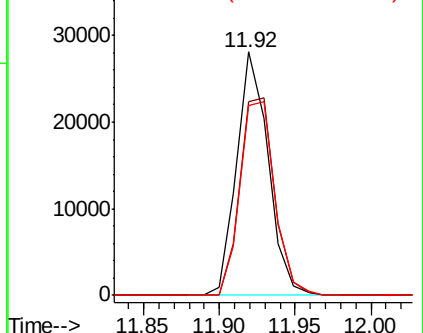
176 77.8 0.0 152.8



Abundance Ion 95.00 (94.70 to 95.70): C

Ion 173.90 (173.60 to 174.60): C

Ion 175.90 (175.60 to 176.60): C



#63

Chlorobenzene-d5

Concen: 50.000 ug/l

RT: 10.68 min Scan# 1063

Delta R.T. 0.02 min

Lab File: COPY OF VD059614.D

Acq: 26 Jul 2018 19:38

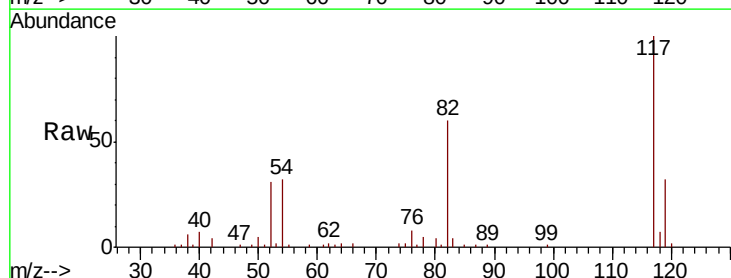
Tgt Ion: 117 Resp: 85888

Ion Ratio Lower Upper

117 100

82 60.0 48.2 72.2

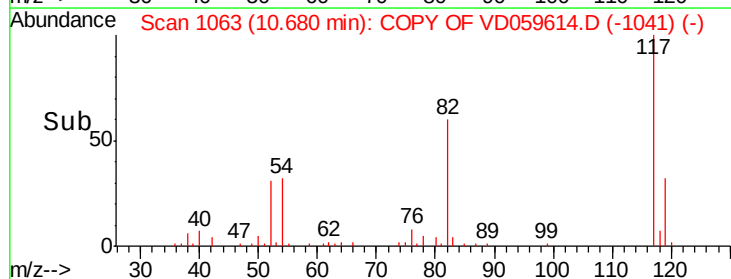
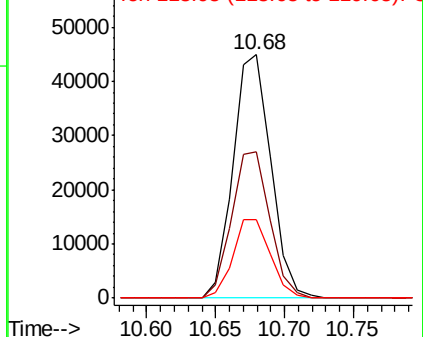
119 32.1 25.4 38.2

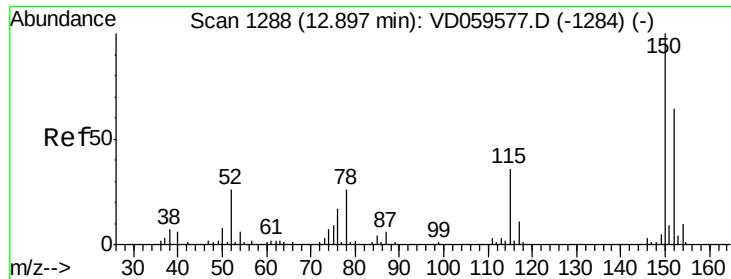


Abundance Ion 116.95 (116.65 to 117.65): C

Ion 82.05 (81.75 to 82.75): C

Ion 118.95 (118.65 to 119.65): C





#72

1,4-Dichlorobenzene-d4

Concen: 50.000 ug/l

RT: 12.90 min Scan# 1289

Delta R.T. 0.01 min

Lab File: COPY OF VD059

Acq: 26 Jul 2018 19:38

Instrument :

MSVOA_D

ClientSampled :

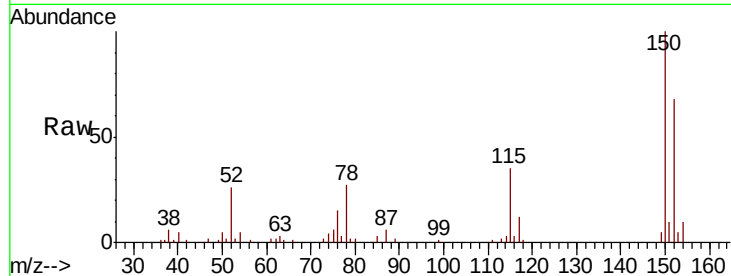
Tot Ion:152 Resp: 40860

Ion Ratio Lower Upper

152 100

115 51.1 29.5 88.6

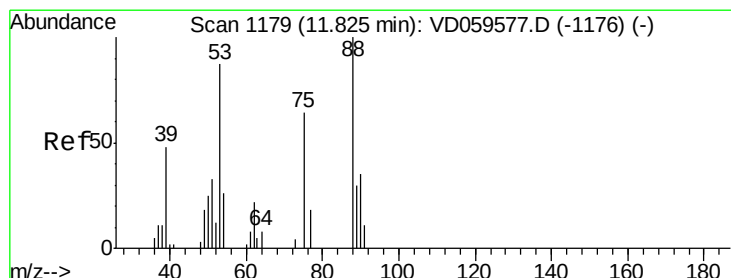
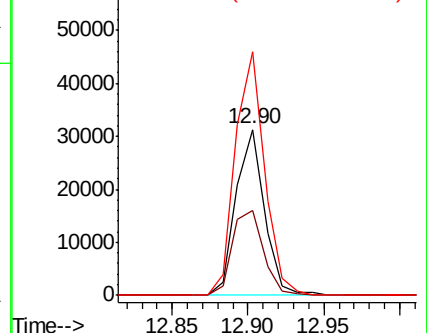
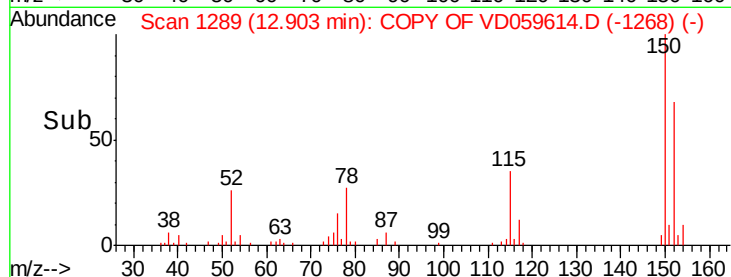
150 146.6 0.0 314.4



Abundance Ion 151.90 (151.60 to 152.60): C

Ion 115.00 (114.70 to 115.70): C

Ion 149.90 (149.60 to 150.60): C



#81

trans-1,4-Dichloro-2-butene

Concen: 132.533 ug/l

RT: 11.92 min Scan# 1189

Delta R.T. 0.09 min

Lab File: COPY OF VD059614.D

Acq: 26 Jul 2018 19:38

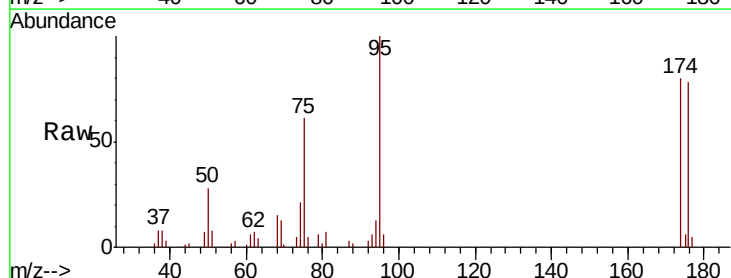
Tgt Ion: 75 Resp: 22896

Ion Ratio Lower Upper

75 100

53 0.0 107.7 161.5#

89 0.0 37.3 55.9#



Abundance Ion 75.00 (74.70 to 75.70): COF

Ion 53.00 (52.70 to 53.70): COF

Ion 89.00 (88.70 to 89.70): COF

