

Data Path : Z:\VOASRV\HPCHEM1\MSVOA_D\DATA\VD072618\
 Data File : VD059613.D
 Acq On : 26 Jul 2018 19:09
 Operator : VA/AP
 Sample : J4026-08RE
 Misc : 5.03g/5ml/MSVOA_D/SOIL
 ALS Vial : 12 Sample Multiplier: 1

Instrument :
 MSVOA_D
 ClientSampleId :
 DUP-0492-180716

Quant Time: Jul 27 04:59:09 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	5.62	168	94759	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	6.67	114	124042	50.00	ug/l	0.00
63) Chlorobenzene-d5	10.67	117	100518	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	12.90	152	49836	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	74740	62.74	ug/l	0.00
Spiked Amount 50.000			Recovery	=	125.48%	
35) Dibromofluoromethane	5.52	113	59261	55.69	ug/l	0.00
Spiked Amount 50.000			Recovery	=	111.38%	
50) Toluene-d8	8.70	98	117168	48.54	ug/l	0.02
Spiked Amount 50.000			Recovery	=	97.08%	
62) 4-Bromofluorobenzene	11.92	95	49874	45.87	ug/l	0.00
Spiked Amount 50.000			Recovery	=	91.74%	

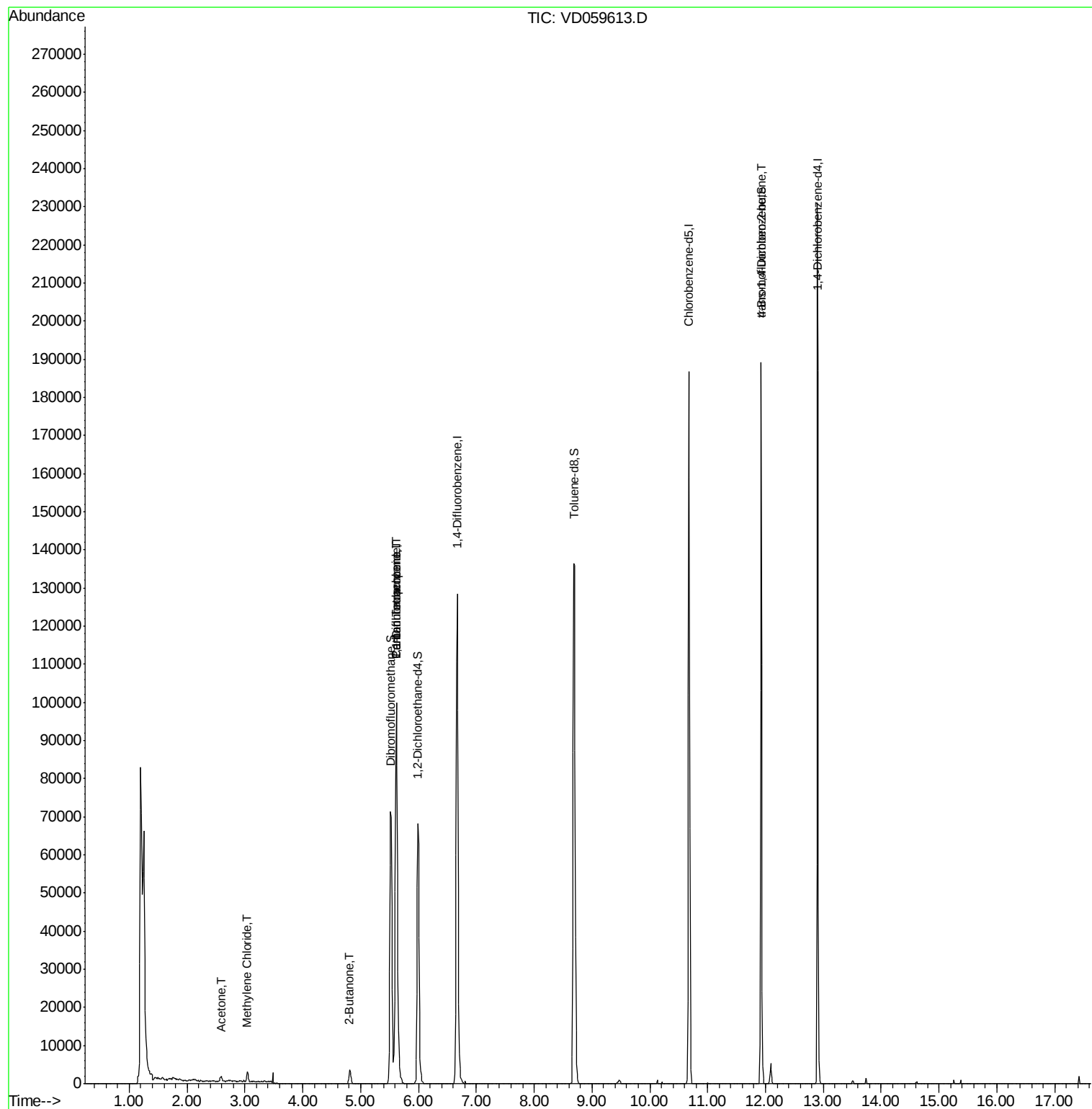
Target Compounds	R.T.	QIon	Response	Conc	Units	Qvalue
16) Acetone	2.59	43	2613	14.524	ug/l #	61
20) Methylene Chloride	3.04	84	864	1.684	ug/l #	60
25) 2-Butanone	4.81	43	519	1.892	ug/l #	59
31) Cyclohexane	5.62	56	1732	Below Cal	#	1
36) 1,1-Dichloropropene	5.62	75	8139	6.539	ug/l #	52
38) Carbon Tetrachloride	5.62	117	9482	5.563	ug/l #	14
81) trans-1,4-Dichloro-2-buten	11.92	75	26544	125.975	ug/l #	1

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

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#1

Pentafluorobenzene

Concen: 50.000 ug/l

RT: 5.62 min Scan# 548

Delta R.T. 0.01 min

Lab File: VD059613.D

Acq: 26 Jul 2018 19:09

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MSVOA_D

ClientSampleId :

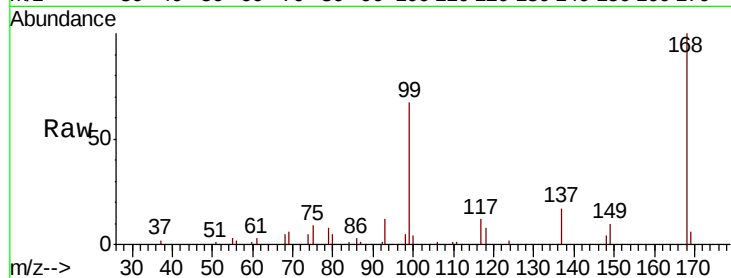
DUP-0492-180716

Tgt Ion:168 Resp: 94759

Ion Ratio Lower Upper

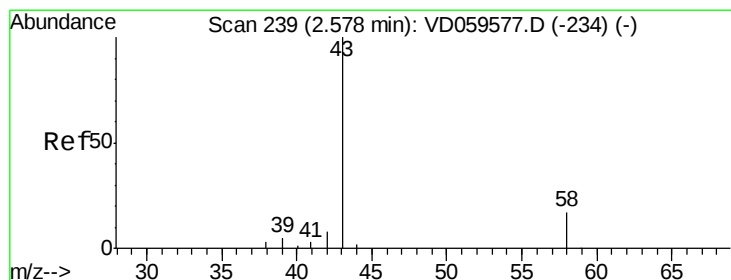
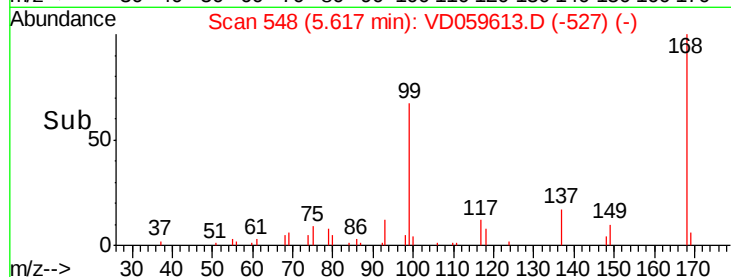
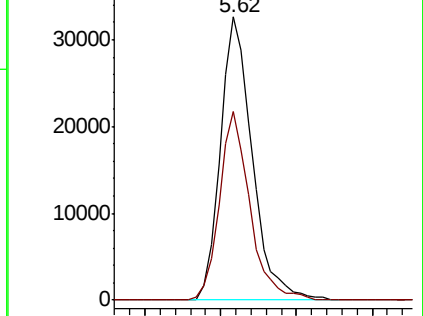
168 100

99 66.8 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: 14.524 ug/l

RT: 2.59 min Scan# 240

Delta R.T. 0.01 min

Lab File: VD059613.D

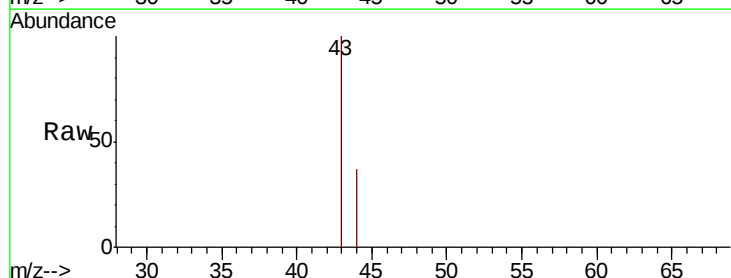
Acq: 26 Jul 2018 19:09

Tgt Ion: 43 Resp: 2613

Ion Ratio Lower Upper

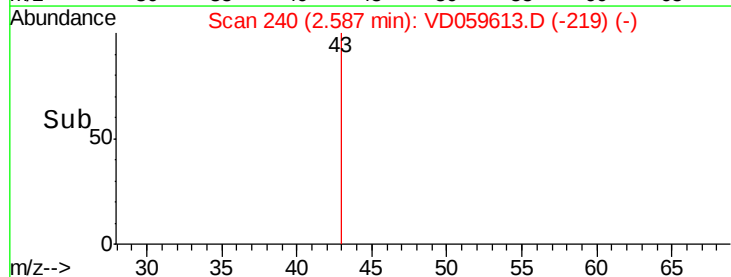
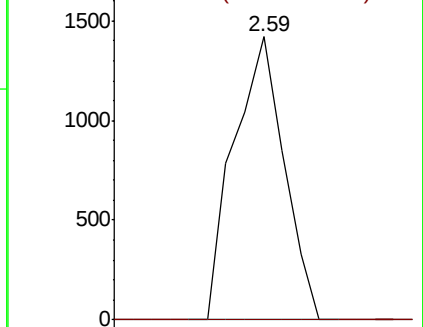
43 100

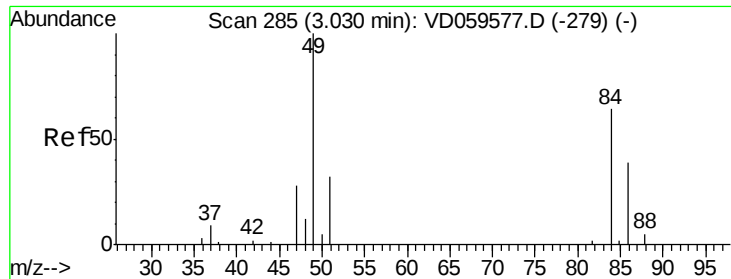
58 0.0 13.4 20.0#



Abundance Ion 42.95 (42.65 to 43.65): VDC

Ion 57.95 (57.65 to 58.65): VDC

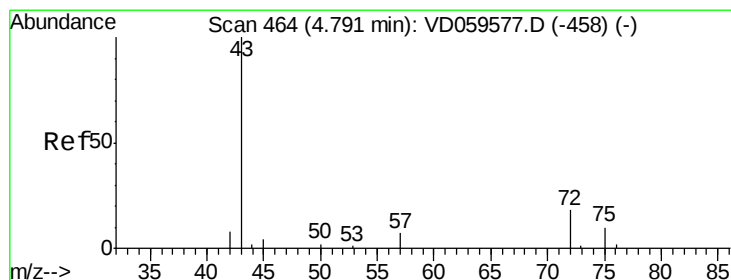
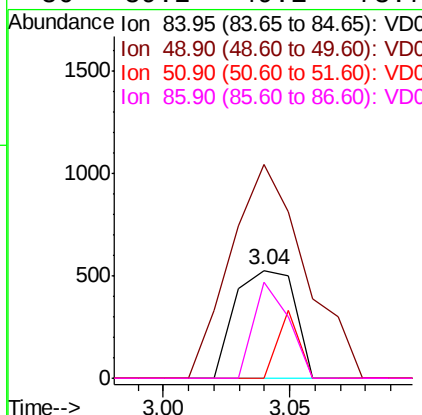
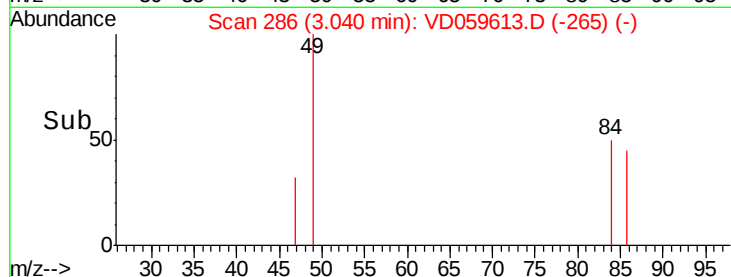
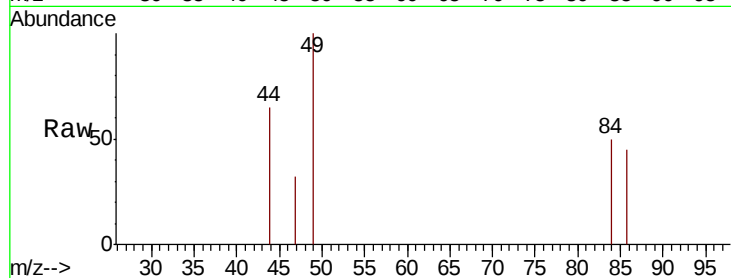




#20
Methylene Chloride
Concen: 1.684 ug/l
RT: 3.04 min Scan# 286
Delta R.T. 0.01 min
Lab File: VD059613.D
Acq: 26 Jul 2018 19:09

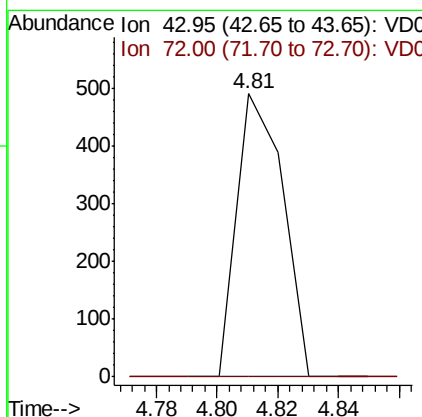
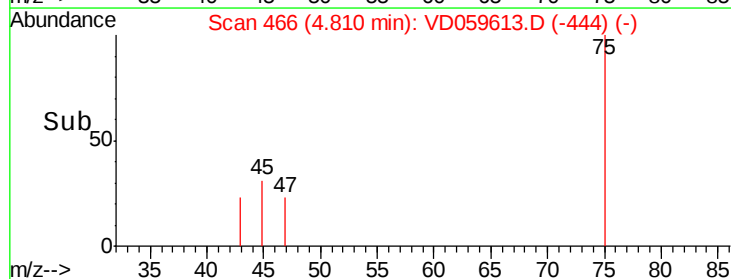
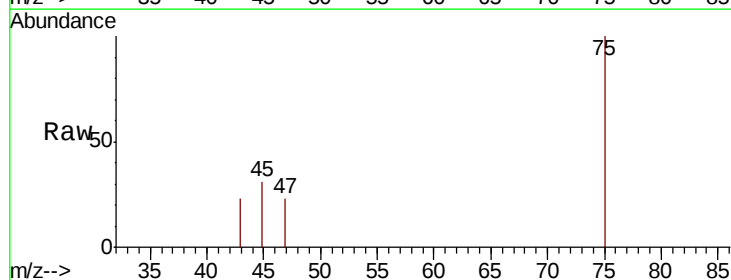
Instrument :
MSVOA_D
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DUP-0492-180716

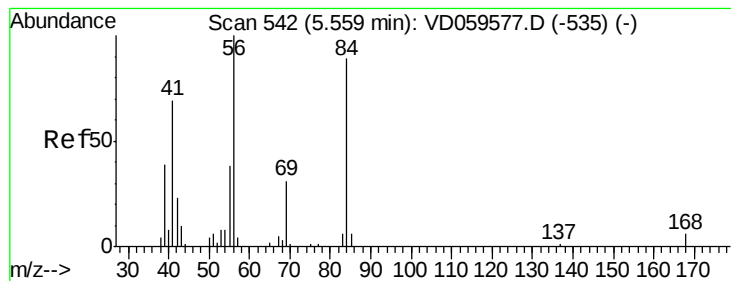
Tgt Ion: 84 Resp: 864
Ion Ratio Lower Upper
84 100
49 198.1 125.4 188.2#
51 0.0 39.7 59.5#
86 89.2 49.1 73.7#



#25
2-Butanone
Concen: 1.892 ug/l
RT: 4.81 min Scan# 466
Delta R.T. 0.02 min
Lab File: VD059613.D
Acq: 26 Jul 2018 19:09

Tgt Ion: 43 Resp: 519
Ion Ratio Lower Upper
43 100
72 0.0 14.7 22.1#





#31

Cyclohexane

Concen: Below Cal

RT: 5.62 min Scan# 548

Delta R.T. 0.06 min

Lab File: VD059613.D

Acq: 26 Jul 2018 19:09

Instrument :

MSVOA_D

ClientSampleId :

DUP-0492-180716

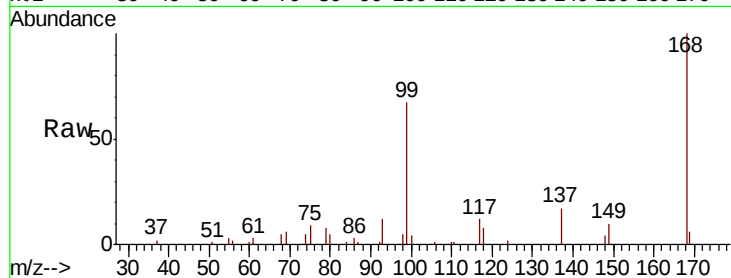
Tgt Ion: 56 Resp: 1732

Ion Ratio Lower Upper

56 100

69 248.5 24.6 37.0#

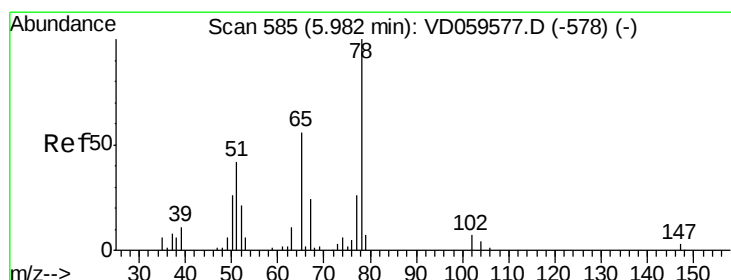
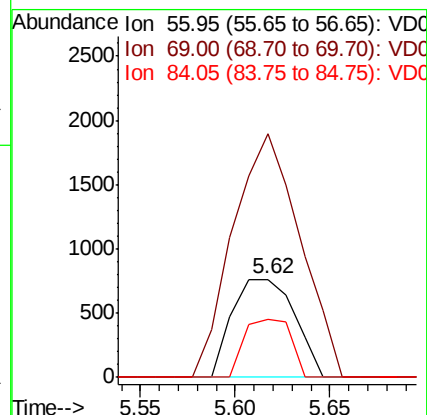
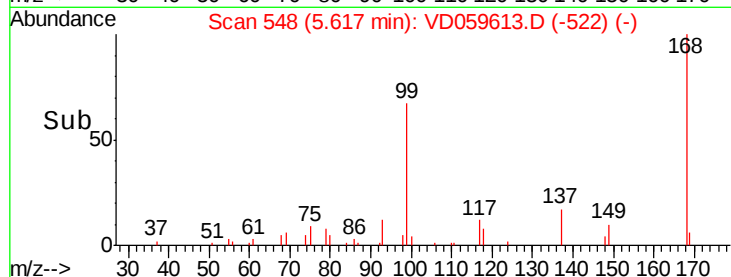
84 58.8 72.7 109.1#



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: 5.99 min Scan# 586

Delta R.T. 0.01 min

Lab File: VD059613.D

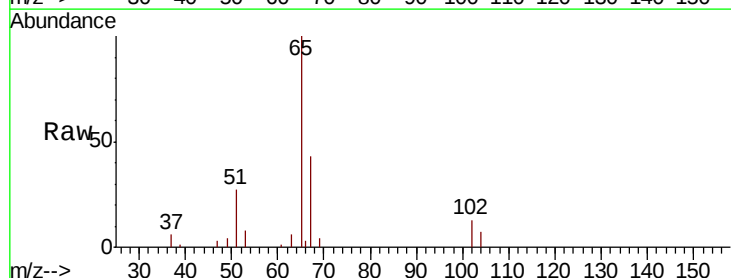
Acq: 26 Jul 2018 19:09

Tgt Ion: 65 Resp: 74740

Ion Ratio Lower Upper

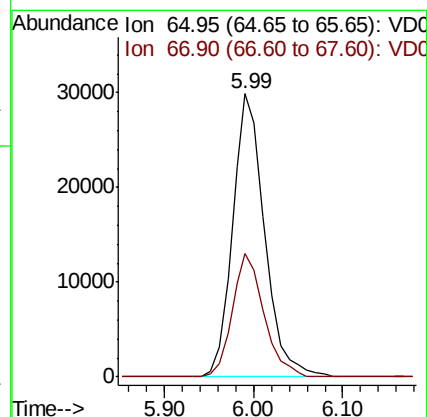
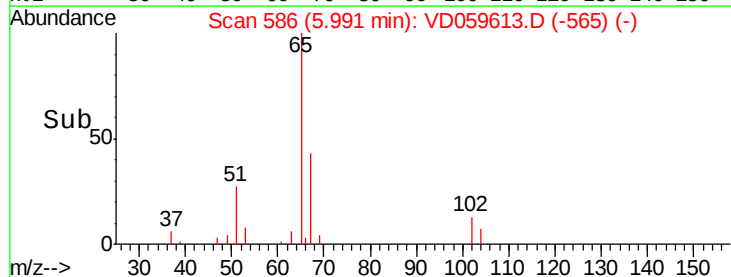
65 100

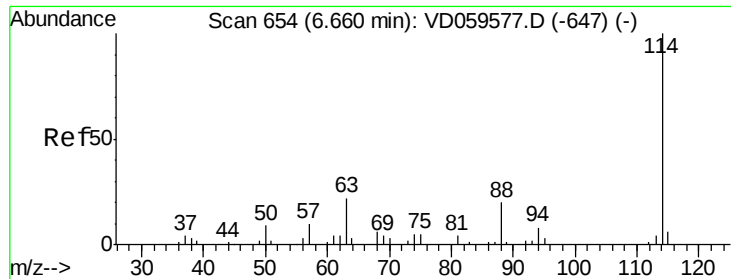
67 43.5 0.0 86.4



Abundance Ion 64.95 (64.65 to 65.65): VDC

Ion 66.90 (66.60 to 67.60): VDC

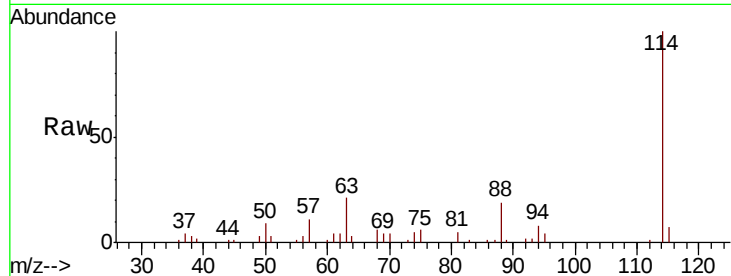




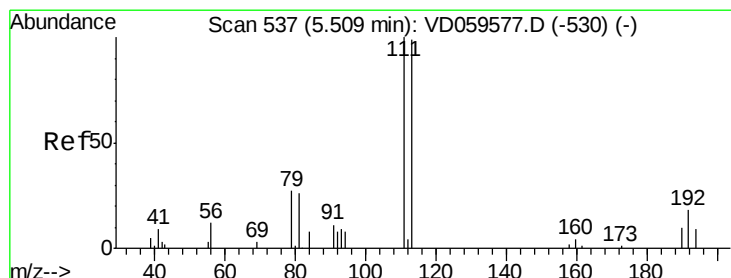
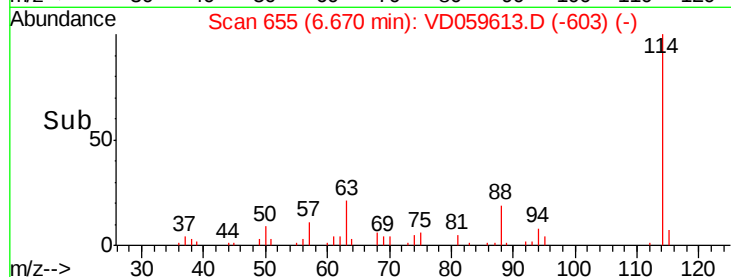
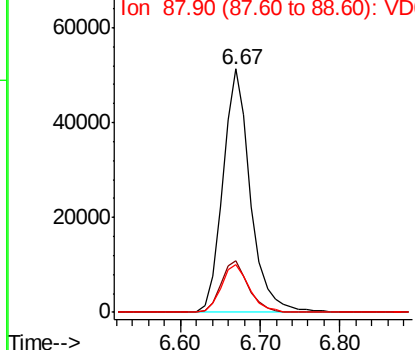
#34
 1,4-Difluorobenzene
 Concen: 50.000 ug/l
 RT: 6.67 min Scan# 655
 Delta R.T. 0.01 min
 Lab File: VD059613.D
 Acq: 26 Jul 2018 19:09

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 DUP-0492-180716

Tgt Ion:114 Resp: 124042
 Ion Ratio Lower Upper
 114 100
 63 21.1 0.0 43.8
 88 19.5 0.0 39.0

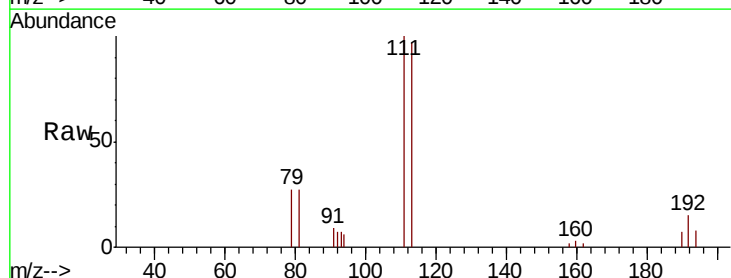


Abundance Ion 114.00 (113.70 to 114.70): V
 Ion 62.95 (62.65 to 63.65): V
 Ion 87.90 (87.60 to 88.60): V

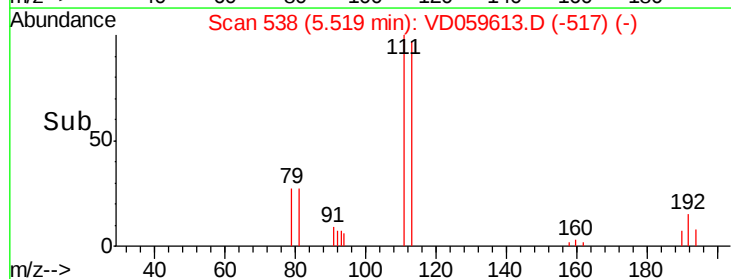
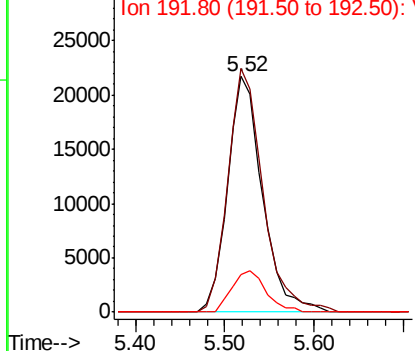


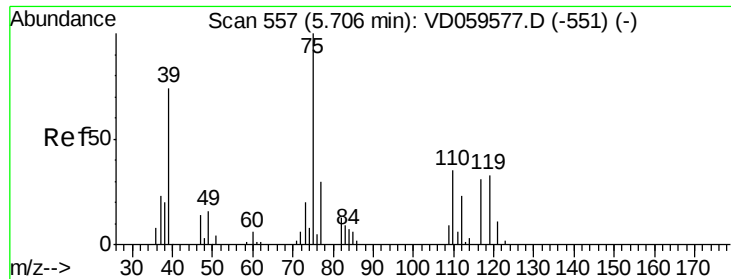
#35
 Dibromofluoromethane
 Concen: 50.000 ug/l
 RT: 5.52 min Scan# 538
 Delta R.T. 0.01 min
 Lab File: VD059613.D
 Acq: 26 Jul 2018 19:09

Tgt Ion:113 Resp: 59261
 Ion Ratio Lower Upper
 113 100
 111 103.3 80.5 120.7
 192 16.0 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: 6.539 ug/l

RT: 5.62 min Scan# 548

Delta R.T. -0.09 min

Lab File: VD059613.D

Acq: 26 Jul 2018 19:09

Instrument :

MSVOA_D

ClientSampleId :

DUP-0492-180716

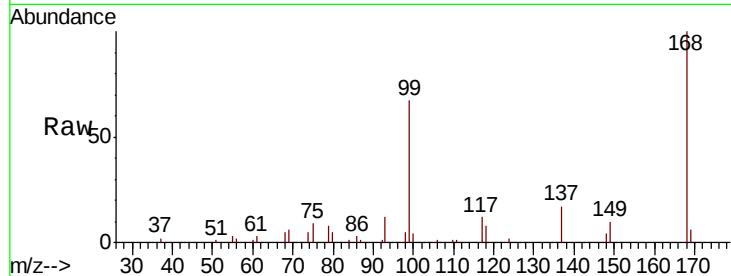
Tgt Ion: 75 Resp: 8139

Ion Ratio Lower Upper

75 100

110 9.9 17.0 50.9#

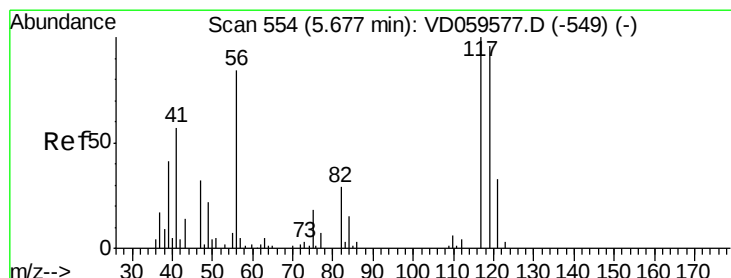
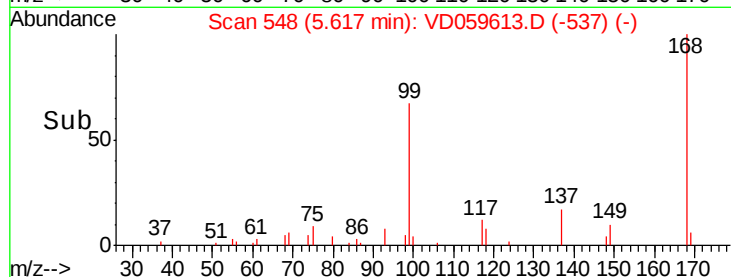
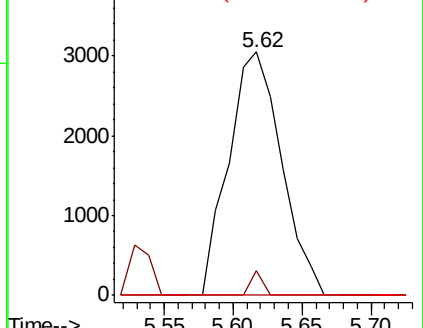
77 0.0 23.6 35.4#



Abundance Ion 75.00 (74.70 to 75.70): V

Ion 109.90 (109.60 to 110.60): V

Ion 76.95 (76.65 to 77.65): V



#38

Carbon Tetrachloride

Concen: 5.563 ug/l

RT: 5.62 min Scan# 548

Delta R.T. -0.06 min

Lab File: VD059613.D

Acq: 26 Jul 2018 19:09

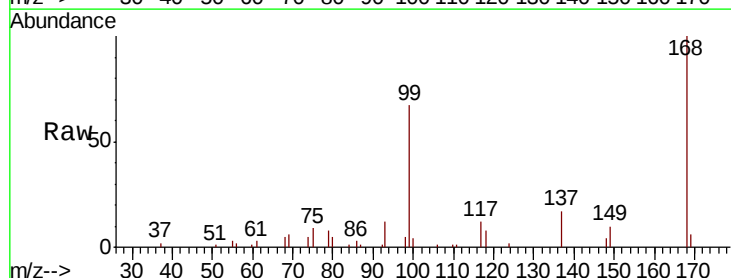
Tgt Ion: 117 Resp: 9482

Ion Ratio Lower Upper

117 100

119 0.0 73.6 110.4#

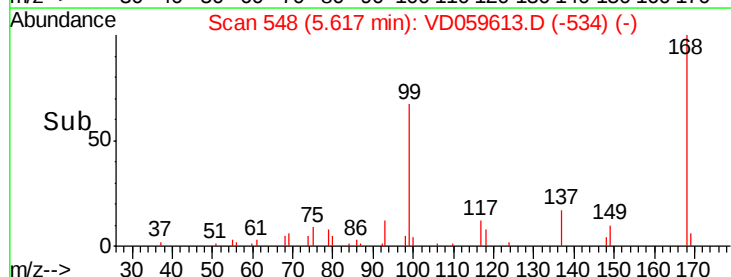
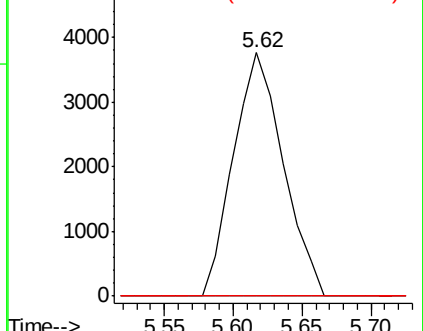
121 0.0 25.0 37.6#

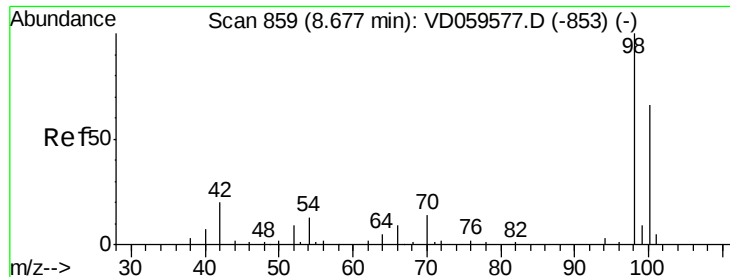


Abundance Ion 116.85 (116.55 to 117.55): V

Ion 118.85 (118.55 to 119.55): V

Ion 120.85 (120.55 to 121.55): V

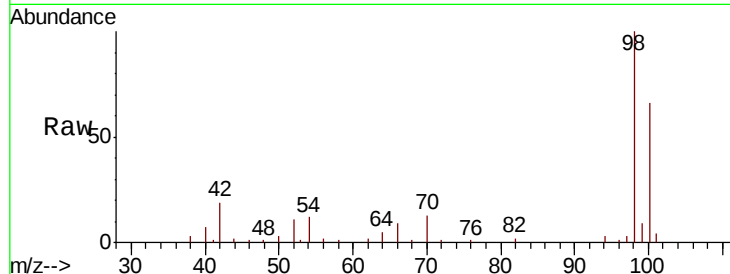




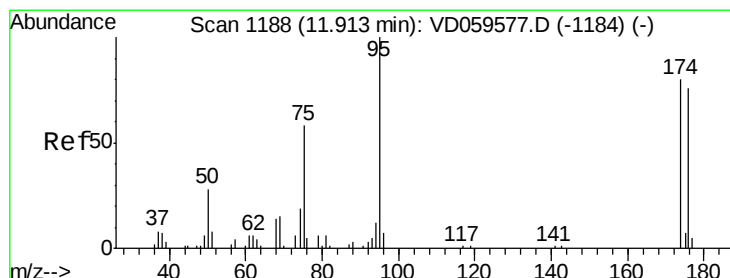
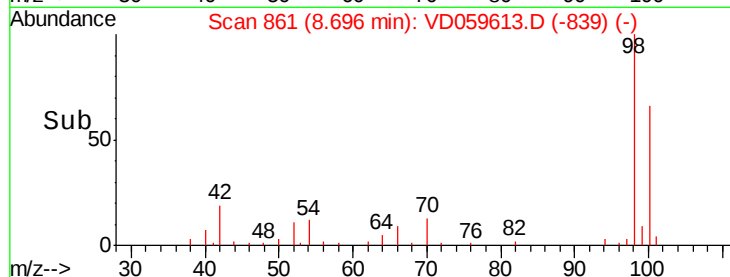
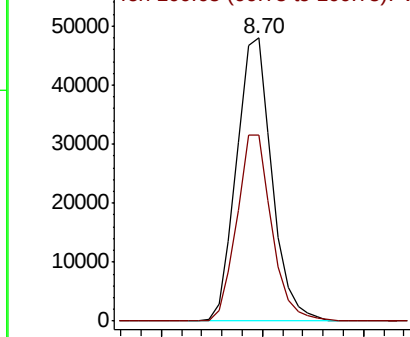
#50
Toluene-d8
Concen: N.D. ug/l
RT: 8.70 min Scan# 861
Delta R.T. 0.02 min
Lab File: VD059613.D
Acq: 26 Jul 2018 19:09

Instrument :
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DUP-0492-180716

Tgt Ion: 98 Resp: 117168
Ion Ratio Lower Upper
98 100
100 65.8 53.2 79.8

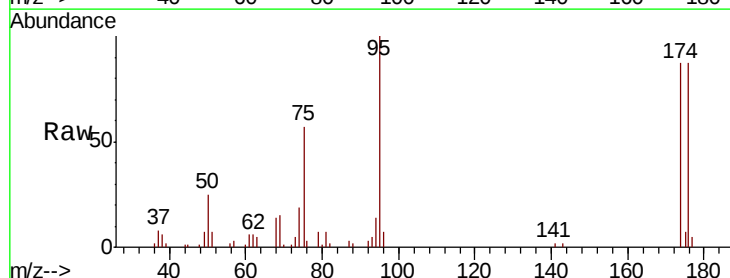


Abundance Ion 98.05 (97.75 to 98.75): VDC
Ion 100.05 (99.75 to 100.75): VDC

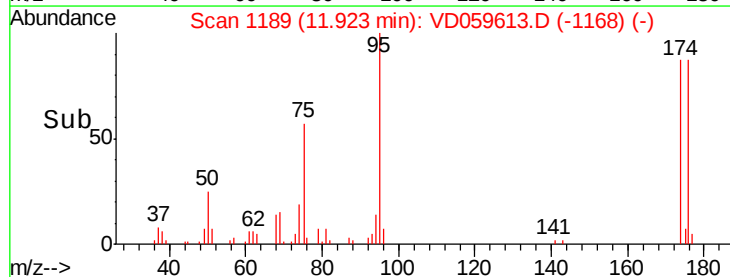
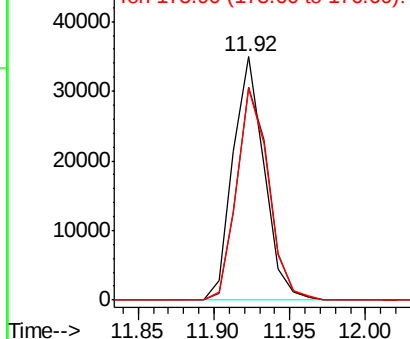


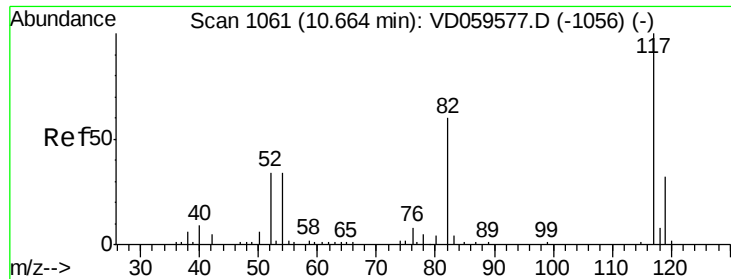
#62
4-Bromofluorobenzene
Concen: N.D. ug/l
RT: 11.92 min Scan# 1189
Delta R.T. 0.01 min
Lab File: VD059613.D
Acq: 26 Jul 2018 19:09

Tgt Ion: 95 Resp: 49874
Ion Ratio Lower Upper
95 100
174 87.2 0.0 160.6
176 86.9 0.0 152.8



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

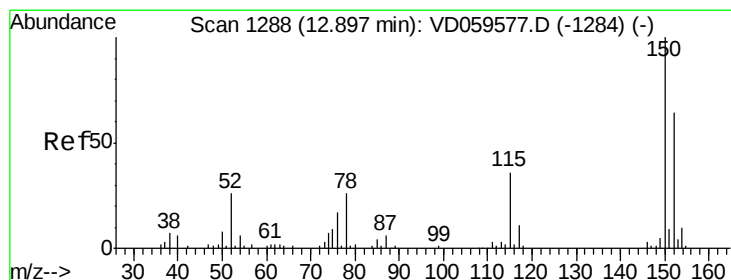
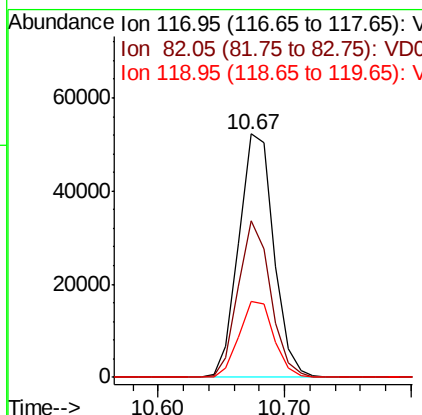
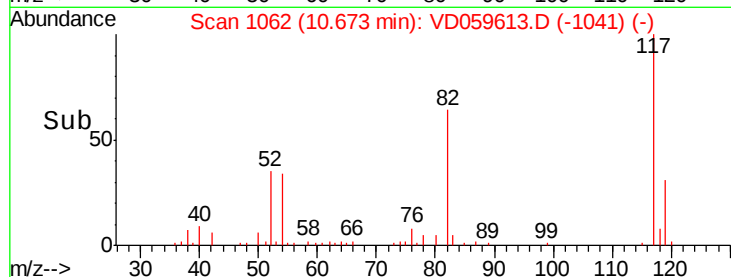
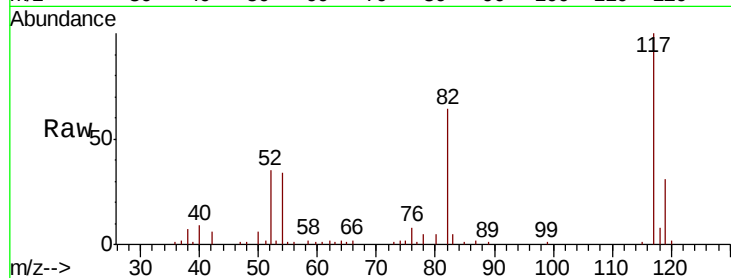




#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 10.67 min Scan# 1062
Delta R.T. 0.01 min
Lab File: VD059613.D
Acq: 26 Jul 2018 19:09

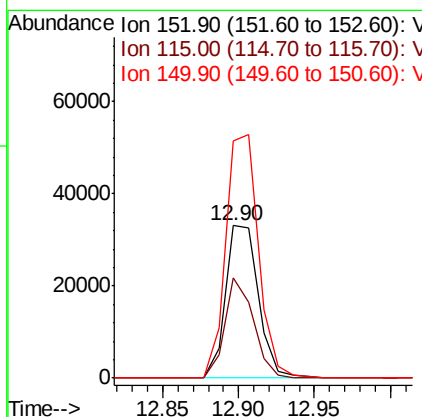
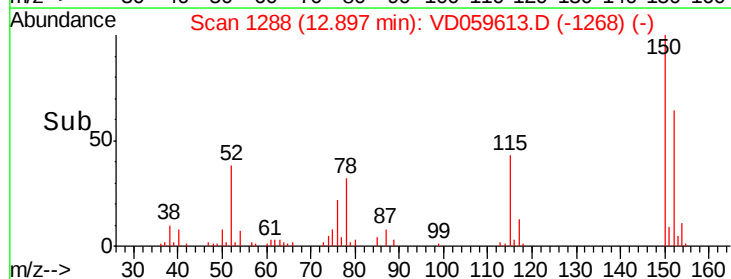
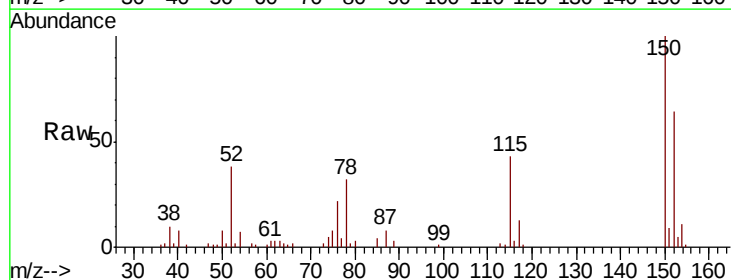
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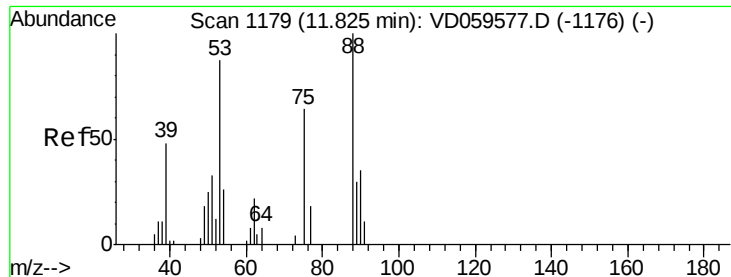
Tgt Ion:117 Resp: 100518
Ion Ratio Lower Upper
117 100
82 64.1 48.2 72.2
119 31.3 25.4 38.2



#72
1,4-Dichlorobenzene-d4
Concen: 50.000 ug/l
RT: 12.90 min Scan# 1288
Delta R.T. -0.00 min
Lab File: VD059613.D
Acq: 26 Jul 2018 19:09

Tgt Ion:152 Resp: 49836
Ion Ratio Lower Upper
152 100
115 66.2 29.5 88.6
150 155.7 0.0 314.4





#81

trans-1,4-Dichloro-2-butene

Concen: 125.975 ug/l

RT: 11.92 min Scan# 1189

Delta R.T. 0.10 min

Lab File: VD059613.D

Acq: 26 Jul 2018 19:09

Instrument :

MSVOA_D

ClientSampleId :

DUP-0492-180716

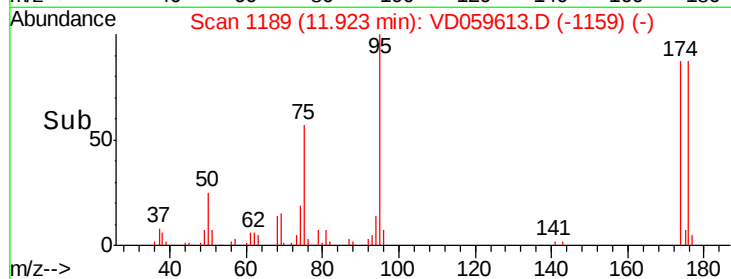
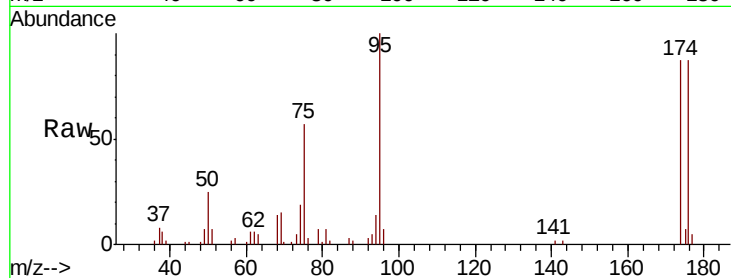
Tgt Ion: 75 Resp: 26544

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): VDC

Ion 53.00 (52.70 to 53.70): VDC

Ion 89.00 (88.70 to 89.70): VDC

