

Data Path : Z:\VOASRV\HPCHEM1\MSVOA D\DATA\VD060818\
 Data File : VD058024.D
 Acq On : 8 Jun 2018 18:10
 Operator : VA/AP
 Sample : J3344-05RE
 Misc : 5.00µl/5ml/MSVOA D/SOIL
 ALS Vial : 39 Sample Multiplier: 1

Instrument :
 MSVOA_D
 ClientSampleId :

Quant Time: Jun 08 23:57:04 2018
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_D\METHOD\82D060618S.M
 Quant Title : SW846 8260
 QLast Update : Thu Jun 07 08:57:33 2018
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Pentafluorobenzene	5.63	168	717661	50.00	ug/l	-0.02
34) 1,4-Difluorobenzene	6.68	114	947698	50.00	ug/l	-0.03
63) Chlorobenzene-d5	10.68	117	783654	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	12.90	152	425932	50.00	ug/l	-0.02

System Monitoring Compounds	R.T.	QIon	Response	Conc	Units	Dev(Min)
33) 1,2-Dichloroethane-d4	6.01	65	389026	54.22	ug/l	-0.02
Spiked Amount				50.000		
			Recovery	=	108.44%	
35) Dibromofluoromethane	5.54	113	70608	9.63	ug/l	-0.02
Spiked Amount				50.000		
			Recovery	=	19.26%	
50) Toluene-d8	8.69	98	908102	52.09	ug/l	-0.02
Spiked Amount				50.000		
			Recovery	=	104.18%	
62) 4-Bromofluorobenzene	11.92	95	401396	52.78	ug/l	0.00
Spiked Amount				50.000		
			Recovery	=	105.56%	

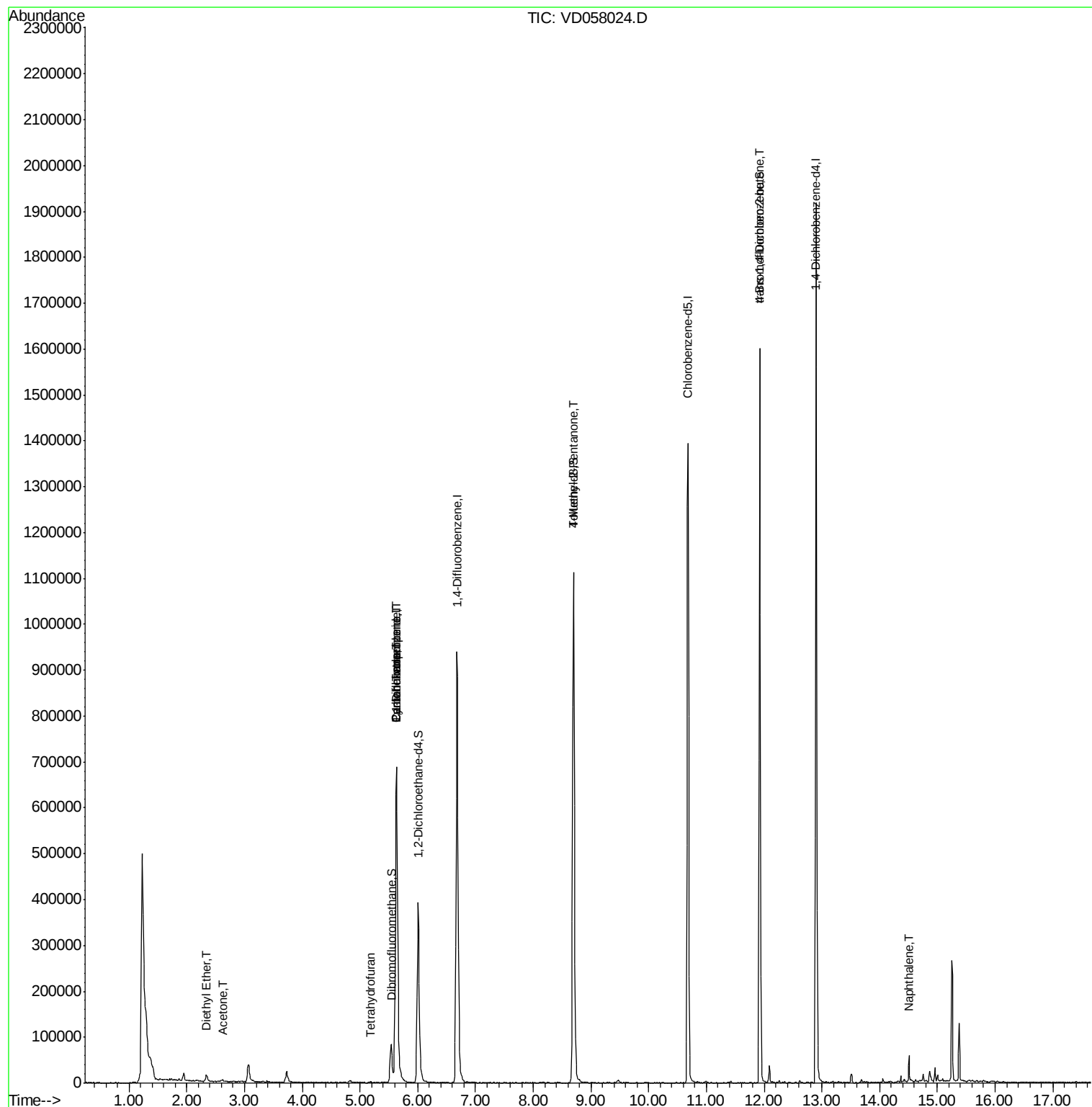
Target Compounds	R.T.	QIon	Response	Conc	Units	Qvalue
8) Diethyl Ether	2.33	74	4517	3.874	ug/l	97
16) Acetone	2.63	43	10452	10.111	ug/l #	87
29) Tetrahydrofuran	5.17	42	1239	1.006	ug/l #	78
31) Cyclohexane	5.63	56	17935	1.438	ug/l #	1
36) 1,1-Dichloropropene	5.63	75	61846	5.923	ug/l #	50
38) Carbon Tetrachloride	5.63	117	58681	5.703	ug/l #	16
51) 4-Methyl-2-Pentanone	8.69	43	7401	1.546	ug/l #	1
81) trans-1,4-Dichloro-2-buten	11.92	75	203756	128.576	ug/l #	6
82) 4-Chlorotoluene	12.32	91	1136	Below Cal	#	50
89) n-Butylbenzene	13.19	91	1178	Below Cal		79
95) Naphthalene	14.51	128	30881	2.246	ug/l	98

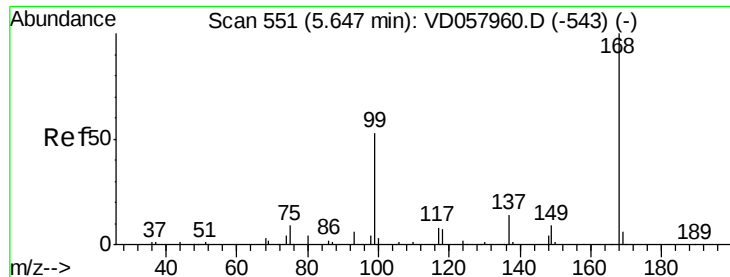
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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Quant Title : SW846 8260
QLast Update : Thu Jun 07 08:57:33 2018
Response via : Initial Calibration





#1

Pentafluorobenzene

Concen: 50.000 ug/l

RT: 5.63 min Scan# 549

Delta R.T. -0.02 min

Lab File: VD058024.D

Acq: 8 Jun 2018 18:10

Instrument :

MSVOA_D

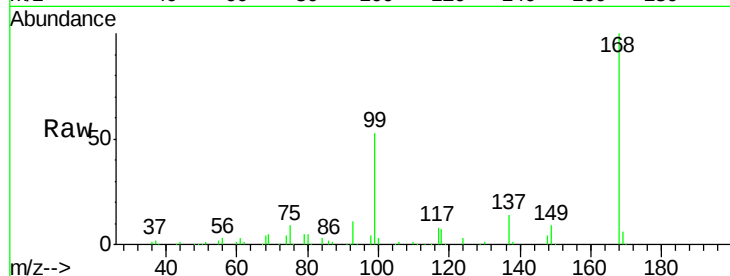
ClientSampleId :

Tot Ion:168 Resp: 717661

Ion Ratio Lower Upper

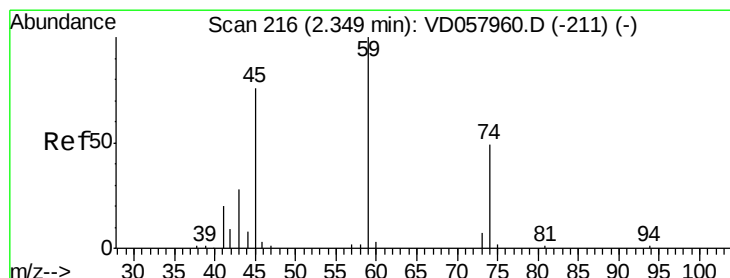
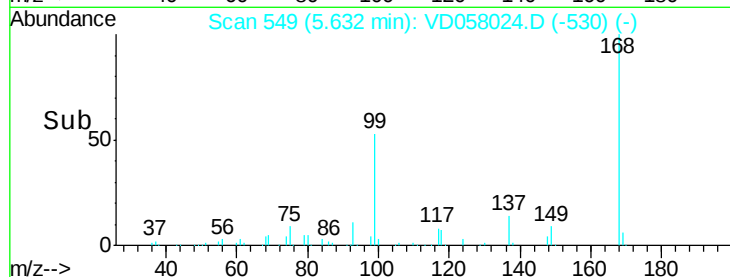
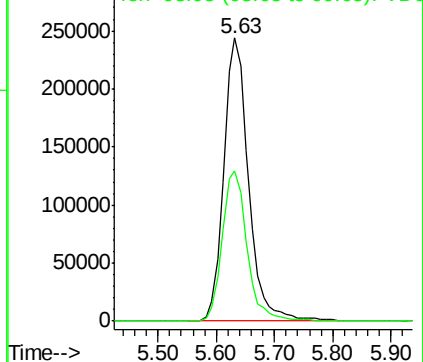
168 100

99 52.9 46.8 70.2



Abundance Ion 167.90 (167.60 to 168.60): V

Ion 98.95 (98.65 to 99.65): VDC



#8

Diethyl Ether

Concen: 3.874 ug/l

RT: 2.33 min Scan# 214

Delta R.T. -0.02 min

Lab File: VD058024.D

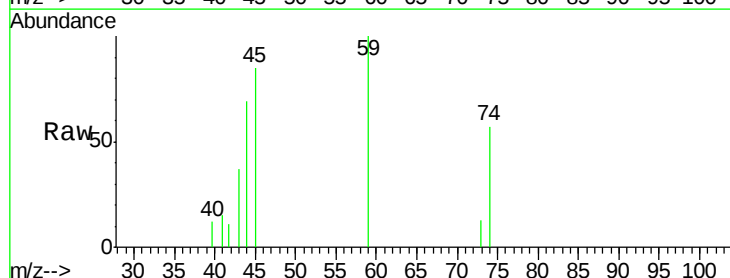
Acq: 8 Jun 2018 18:10

Tgt Ion: 74 Resp: 4517

Ion Ratio Lower Upper

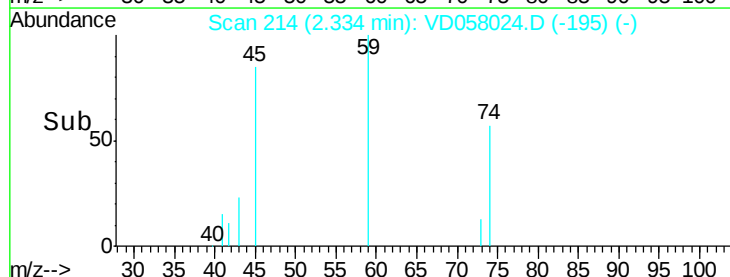
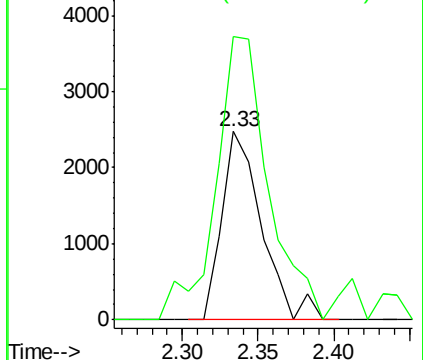
74 100

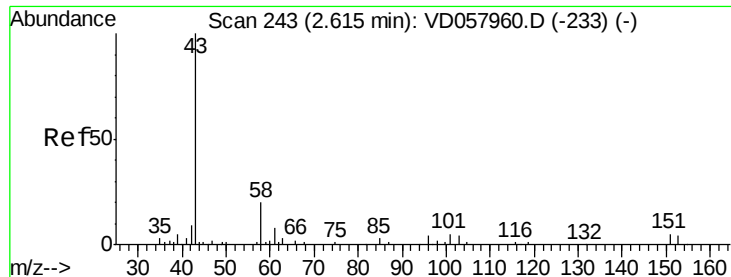
45 150.5 77.1 231.3



Abundance Ion 74.00 (73.70 to 74.70): VDC

Ion 45.05 (44.75 to 45.75): VDC





#16

Acetone

Concen: 10.111 ug/l

RT: 2.63 min Scan# 244

Delta R.T. 0.01 min

Lab File: VD058024.D

Acq: 8 Jun 2018 18:10

Instrument :

MSVOA_D

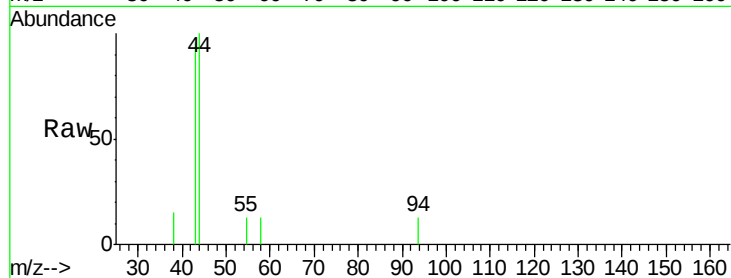
ClientSampleId :

Tot Ion: 43 Resp: 10452

Ion Ratio Lower Upper

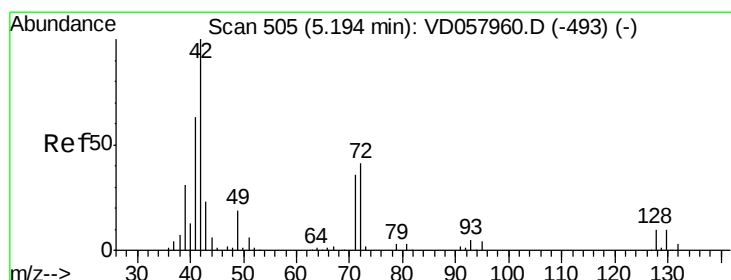
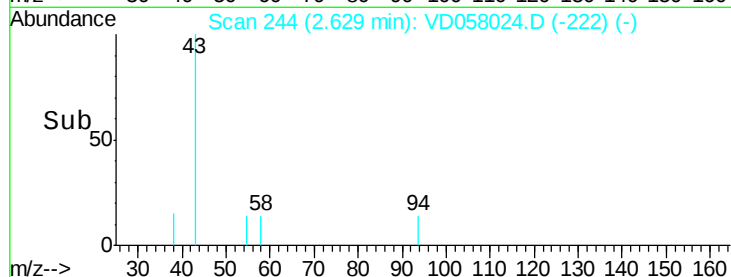
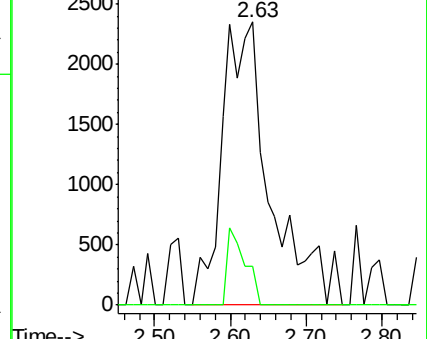
43 100

58 14.0 15.8 23.8#



Abundance Ion 42.95 (42.65 to 43.65): VDC

Ion 57.95 (57.65 to 58.65): VDC



#29

Tetrahydrofuran

Concen: 1.006 ug/l

RT: 5.17 min Scan# 502

Delta R.T. -0.03 min

Lab File: VD058024.D

Acq: 8 Jun 2018 18:10

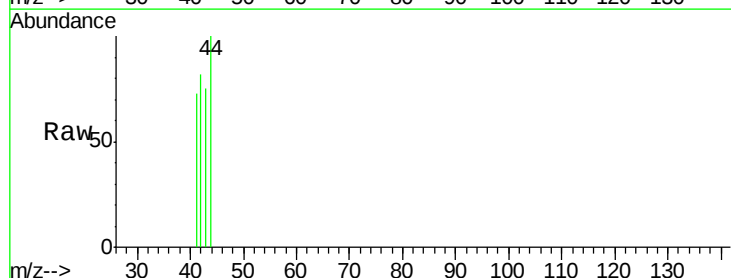
Tgt Ion: 42 Resp: 1239

Ion Ratio Lower Upper

42 100

72 15.2 28.5 42.7#

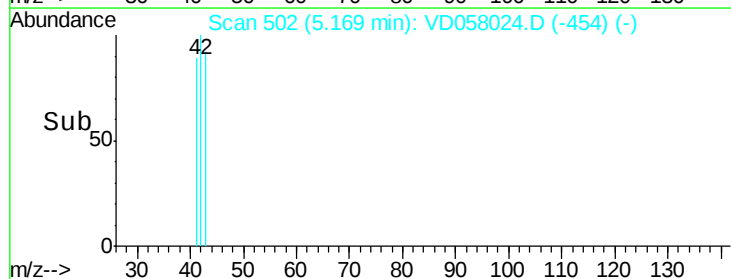
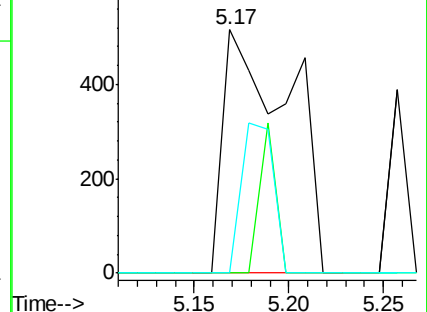
71 29.8 27.9 41.9

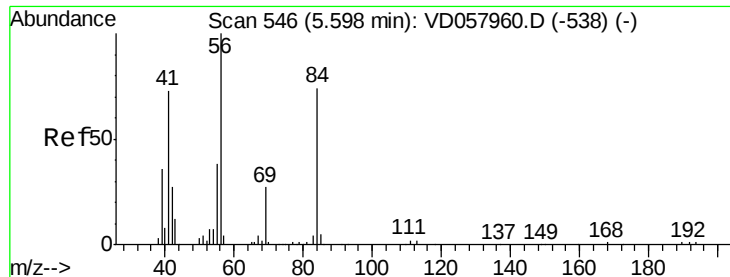


Abundance Ion 42.00 (41.70 to 42.70): VDC

Ion 72.00 (71.70 to 72.70): VDC

Ion 71.00 (70.70 to 71.70): VDC

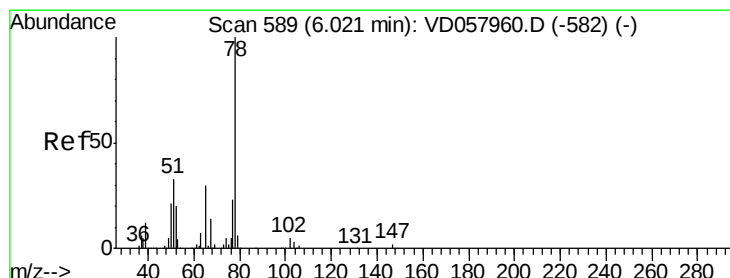
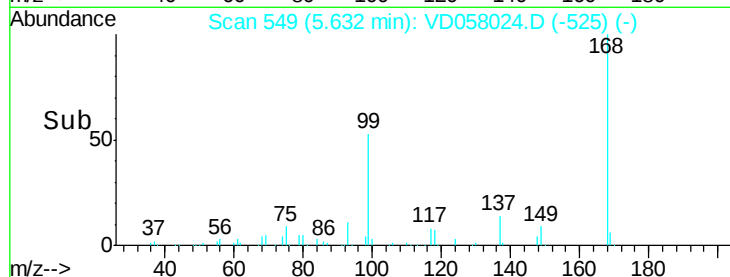
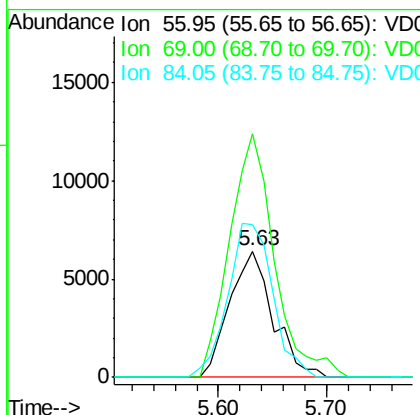
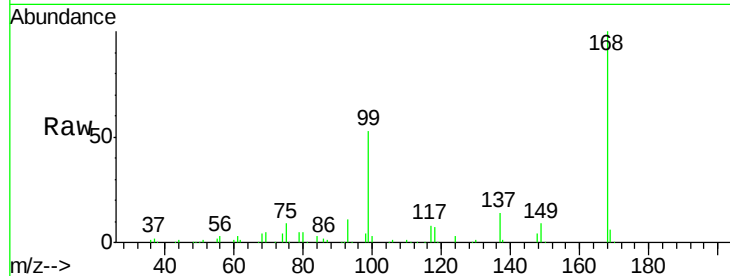




#31
Cyclohexane
Concen: 1.438 ug/l
RT: 5.63 min Scan# 549
Delta R.T. 0.03 min
Lab File: VD058024.D
Acq: 8 Jun 2018 18:10

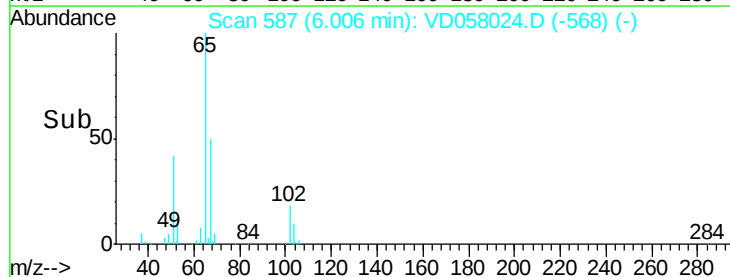
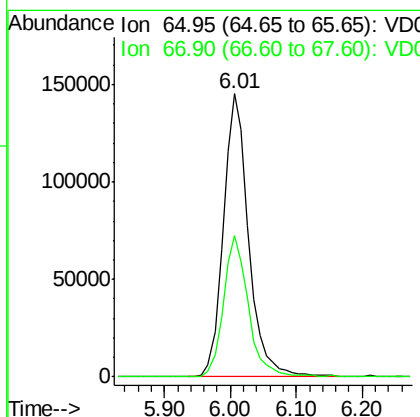
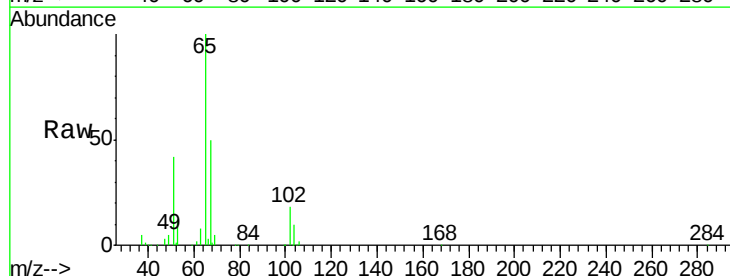
Instrument :
MSVOA_D
ClientSampleID :

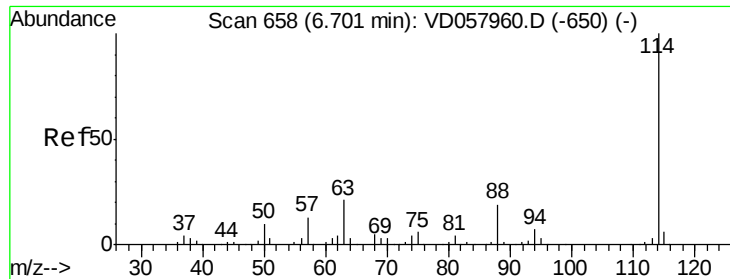
Tot Ion: 56 Resp: 17935
Ion Ratio Lower Upper
56 100
69 192.8 21.5 32.3#
84 121.5 61.0 91.6#



#33
1,2-Dichloroethane-d4
Concen: Below ug/l
RT: 6.01 min Scan# 587
Delta R.T. -0.02 min
Lab File: VD058024.D
Acq: 8 Jun 2018 18:10

Tgt Ion: 65 Resp: 389026
Ion Ratio Lower Upper
65 100
67 49.8 0.0 94.0

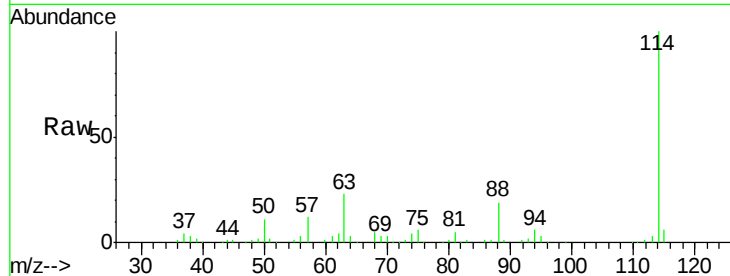




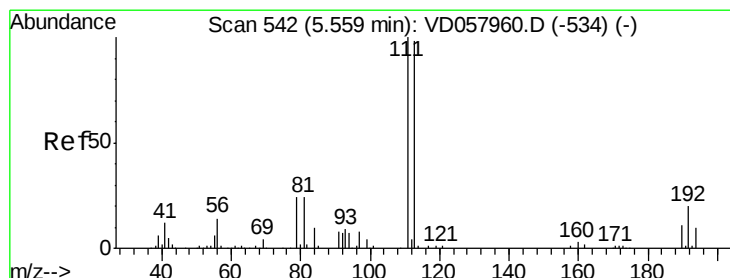
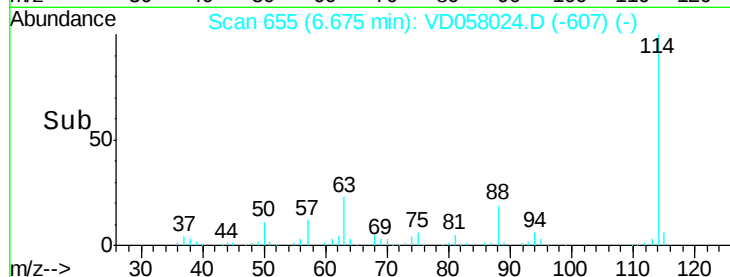
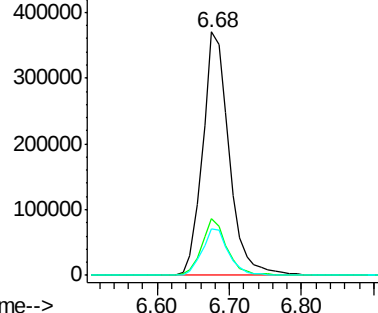
#34
 1,4-Difluorobenzene
 Concen: 50.000 ug/l
 RT: 6.68 min Scan# 655
 Delta R.T. -0.03 min
 Lab File: VD058024.D
 Acq: 8 Jun 2018 18:10

Instrument :
 MSVOA_D
 ClientSampleId :

Tot Ion:114 Resp: 947698
 Ion Ratio Lower Upper
 114 100
 63 23.1 0.0 42.8
 88 19.1 0.0 37.8

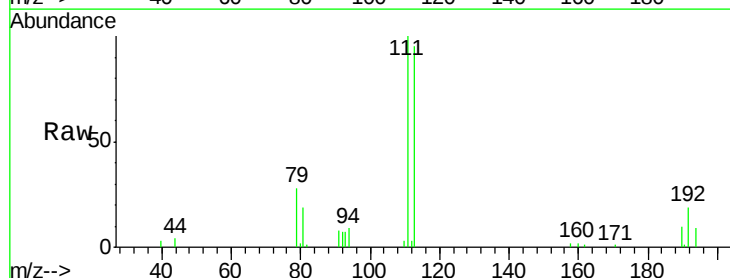


Abundance Ion 114.00 (113.70 to 114.70): V
 Ion 62.95 (62.65 to 63.65): V
 Ion 87.90 (87.60 to 88.60): V

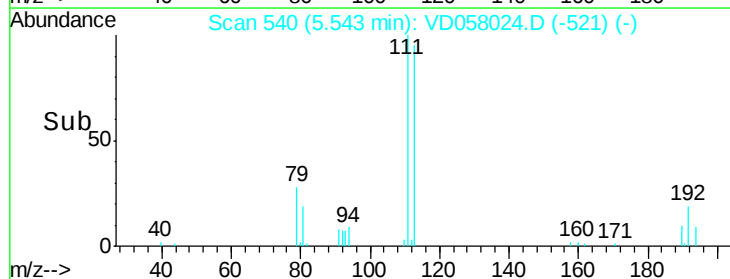
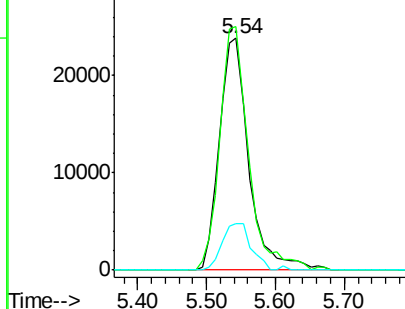


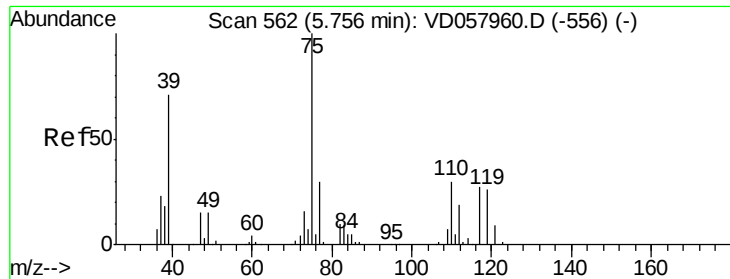
#35
 Dibromofluoromethane
 Concen: 50.000 ug/l
 RT: 5.54 min Scan# 540
 Delta R.T. -0.02 min
 Lab File: VD058024.D
 Acq: 8 Jun 2018 18:10

Tgt Ion:113 Resp: 70608
 Ion Ratio Lower Upper
 113 100
 111 104.9 81.5 122.3
 192 20.0 16.4 24.6



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: 5.923 ug/l

RT: 5.63 min Scan# 549

Delta R.T. -0.12 min

Lab File: VD058024.D

Acq: 8 Jun 2018 18:10

Instrument :
MSVOA_D
ClientSampled :

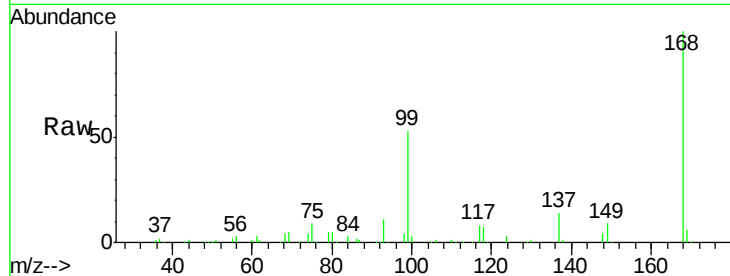
Tot Ion: 75 Resp: 61846

Ion Ratio Lower Upper

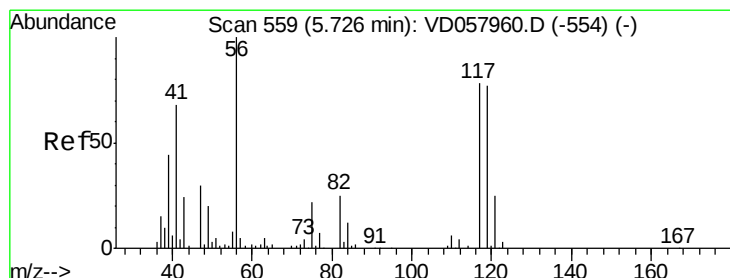
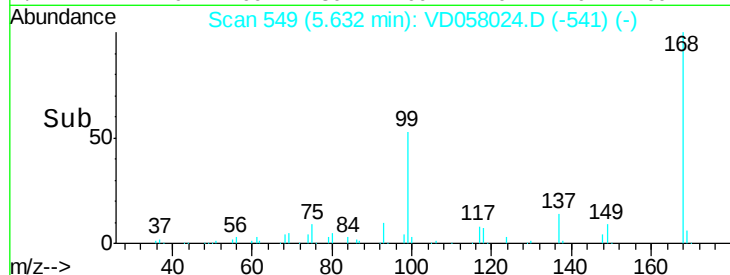
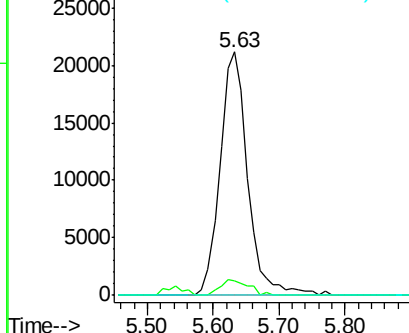
75 100

110 5.8 14.8 44.3#

77 0.0 23.9 35.9#



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



#38

Carbon Tetrachloride

Concen: 5.703 ug/l

RT: 5.63 min Scan# 549

Delta R.T. -0.09 min

Lab File: VD058024.D

Acq: 8 Jun 2018 18:10

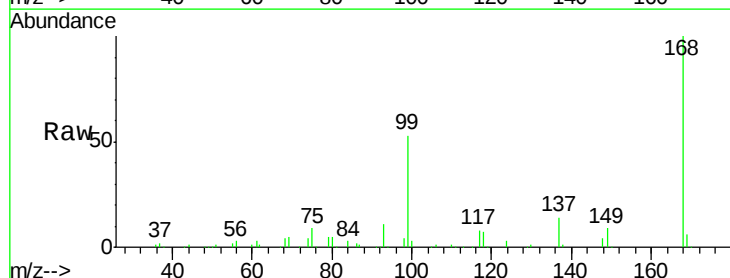
Tgt Ion: 117 Resp: 58681

Ion Ratio Lower Upper

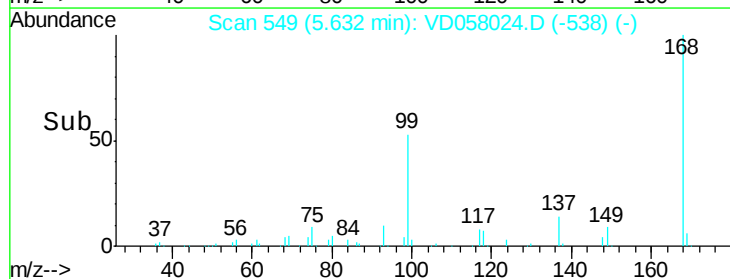
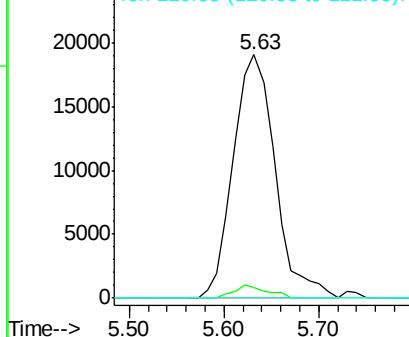
117 100

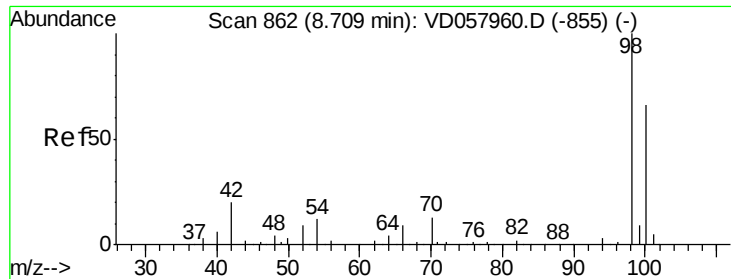
119 4.4 76.1 114.1#

121 0.0 24.9 37.3#



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

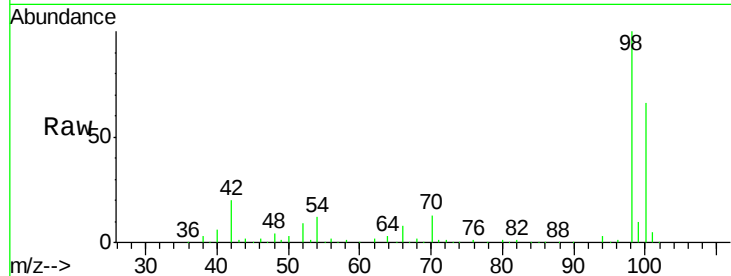




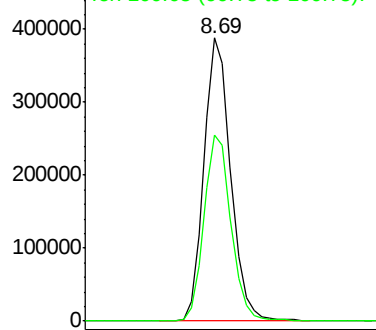
#50
Toluene-d8
Concen: N.D. ug/l
RT: 8.69 min Scan# 860
Delta R.T. -0.02 min
Lab File: VD058024.D
Acq: 8 Jun 2018 18:10

Instrument :
MSVOA_D
ClientSampleId :

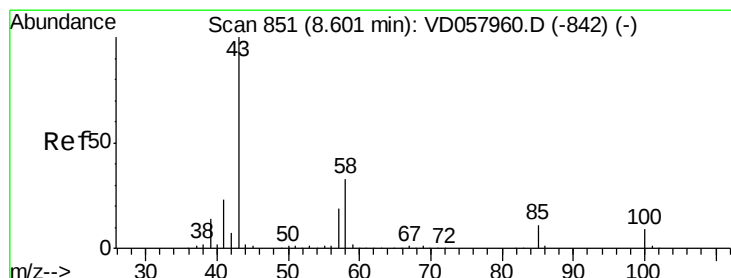
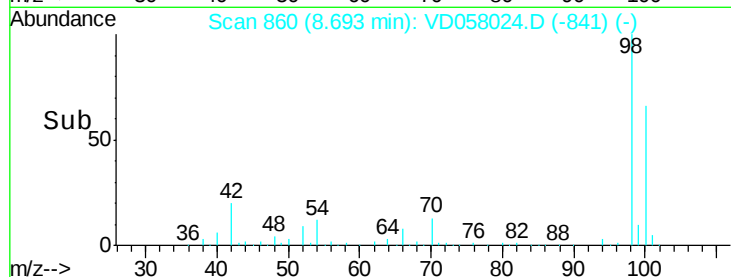
Tot Ion: 98 Resp: 908102
Ion Ratio Lower Upper
98 100
100 65.7 53.4 80.0



Abundance Ion 98.05 (97.75 to 98.75): VD057960.D (-855) (-)
Ion 100.05 (99.75 to 100.75): VD057960.D (-855) (-)

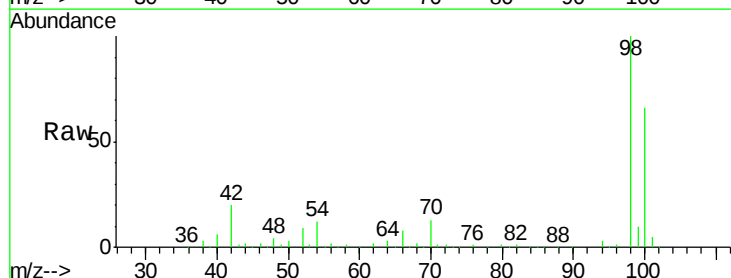


Time-->

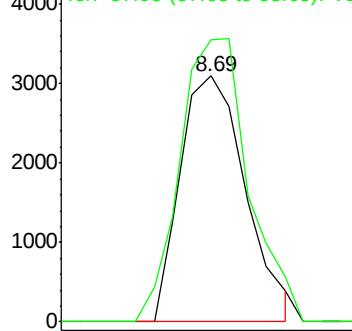


#51
4-Methyl-2-Pentanone
Concen: 1.546 ug/l
RT: 8.69 min Scan# 860
Delta R.T. 0.09 min
Lab File: VD058024.D
Acq: 8 Jun 2018 18:10

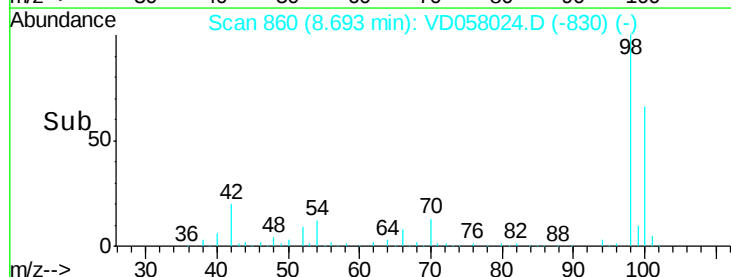
Tgt Ion: 43 Resp: 7401
Ion Ratio Lower Upper
43 100
58 114.8 26.2 39.4#

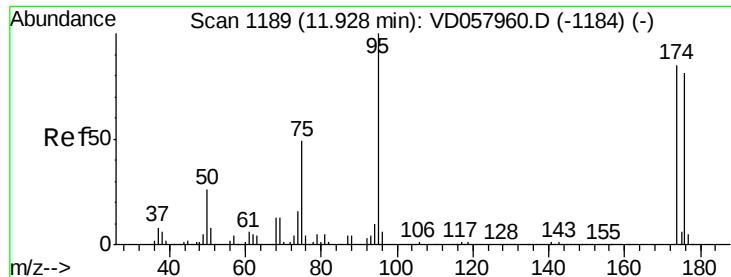


Abundance Ion 42.95 (42.65 to 43.65): VD058024.D (-830) (-)
Ion 57.95 (57.65 to 58.65): VD058024.D (-830) (-)



Time-->





#62

4-Bromofluorobenzene

Concen: N.D. ug/l

RT: 11.92 min Scan# 1188

Delta R.T. -0.01 min

Lab File: VD058024.D

Acq: 8 Jun 2018 18:10

Instrument :

MSVOA_D

ClientSampleId :

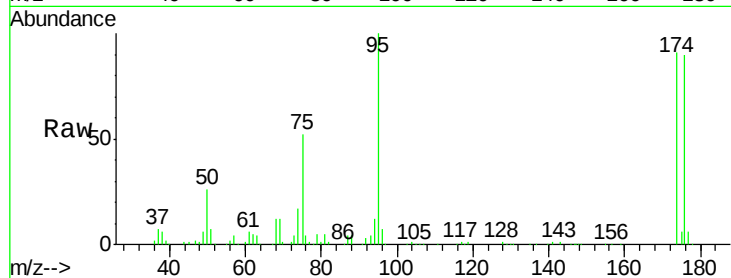
Tot Ion: 95 Resp: 401396

Ion Ratio Lower Upper

95 100

174 91.5 0.0 169.4

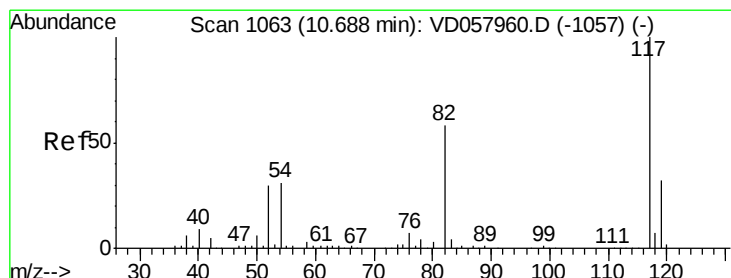
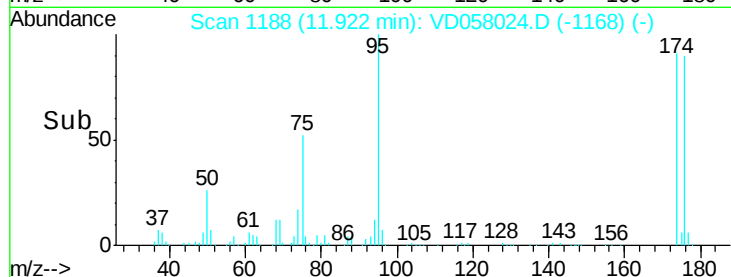
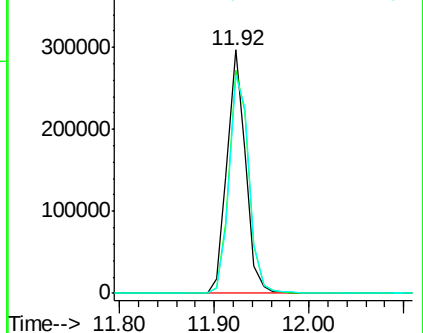
176 89.7 0.0 162.6



Abundance Ion 95.00 (94.70 to 95.70): V

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: 10.68 min Scan# 1062

Delta R.T. -0.01 min

Lab File: VD058024.D

Acq: 8 Jun 2018 18:10

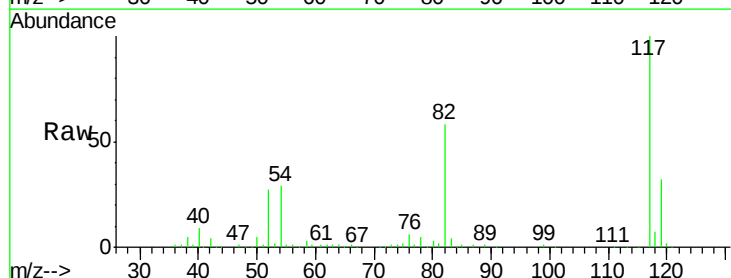
Tgt Ion: 117 Resp: 783654

Ion Ratio Lower Upper

117 100

82 58.3 46.8 70.2

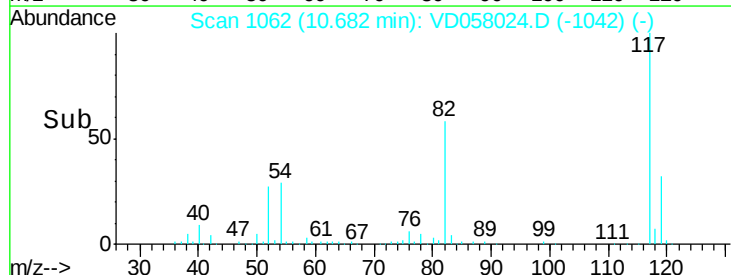
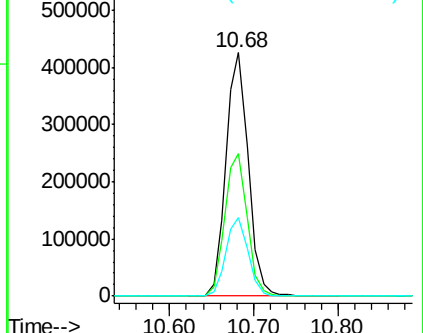
119 32.5 25.8 38.6

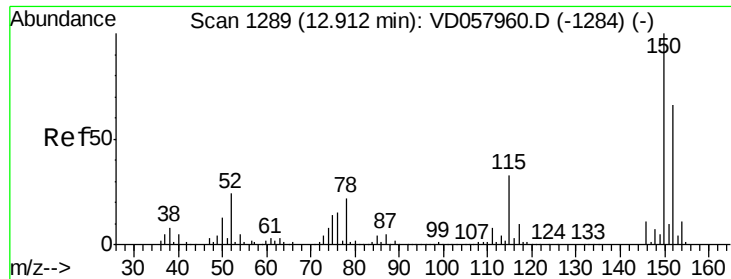


Abundance Ion 116.95 (116.65 to 117.65): V

Ion 82.05 (81.75 to 82.75): V

Ion 118.95 (118.65 to 119.65): V



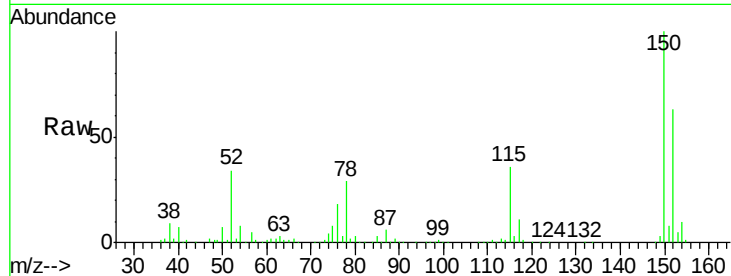


#72

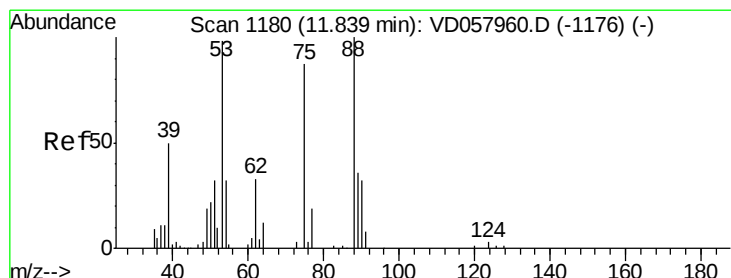
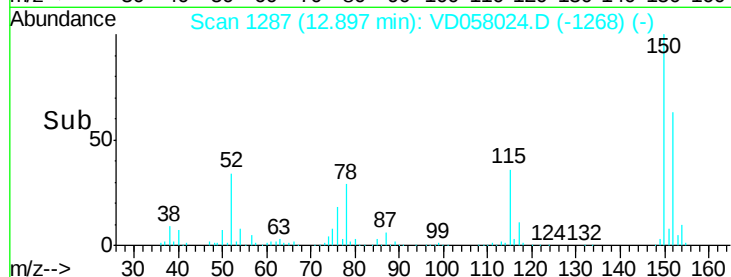
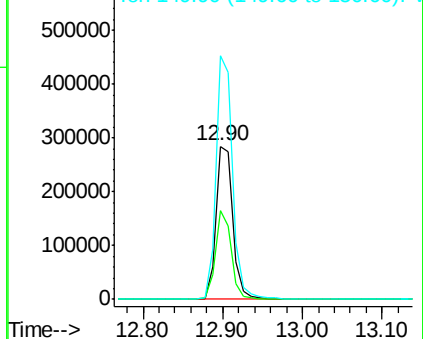
1,4-Dichlorobenzene-d4
Concen: 50.000 ug/l
RT: 12.90 min Scan# 1287
Delta R.T. -0.02 min
Lab File: VD058024.D
Acq: 8 Jun 2018 18:10

Instrument :
MSVOA_D
ClientSampleId :

Tot Ion:152 Resp: 425932
Ion Ratio Lower Upper
152 100
115 57.6 25.6 76.6
150 158.8 0.0 306.8



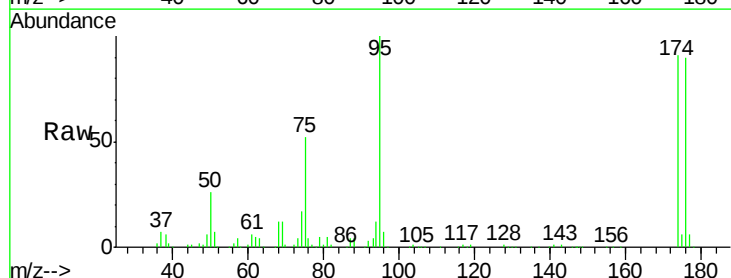
Abundance Ion 151.90 (151.60 to 152.60): V
Ion 115.00 (114.70 to 115.70): V
Ion 149.90 (149.60 to 150.60): V



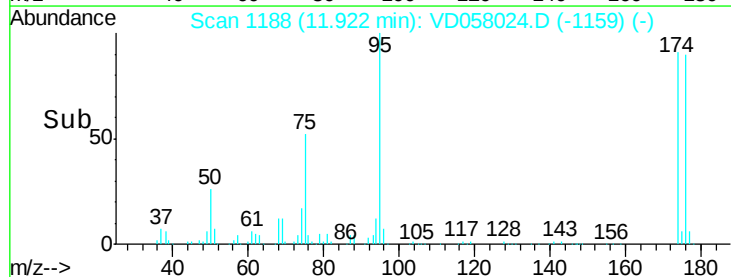
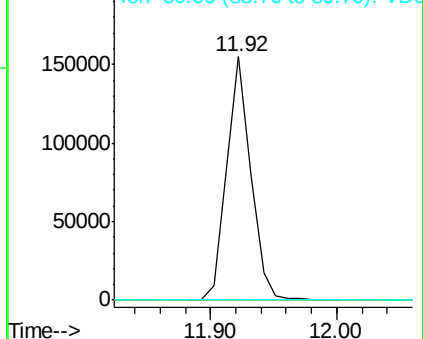
#81

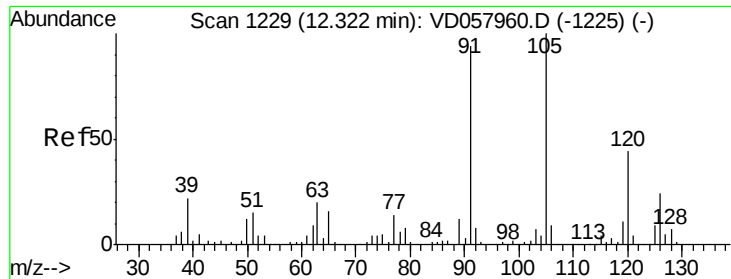
trans-1,4-Dichloro-2-butene
Concen: 128.576 ug/l
RT: 11.92 min Scan# 1188
Delta R.T. 0.08 min
Lab File: VD058024.D
Acq: 8 Jun 2018 18:10

Tgt Ion: 75 Resp: 203756
Ion Ratio Lower Upper
75 100
53 0.0 89.3 133.9#
89 0.0 33.3 49.9#



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

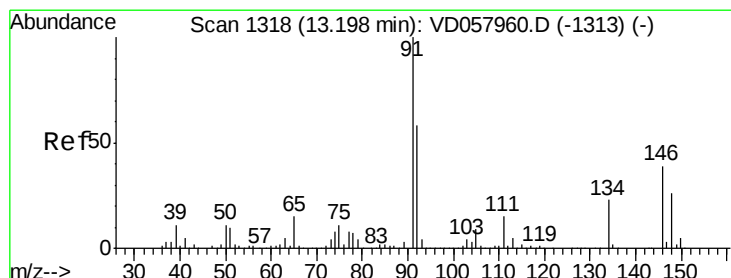
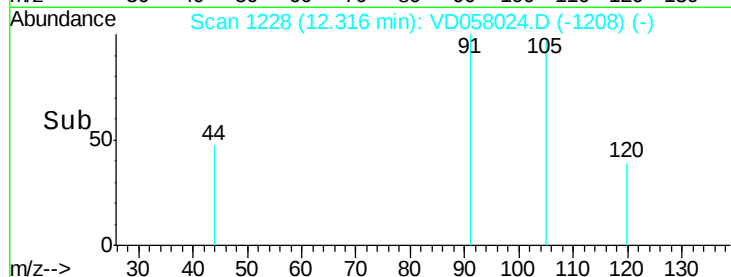
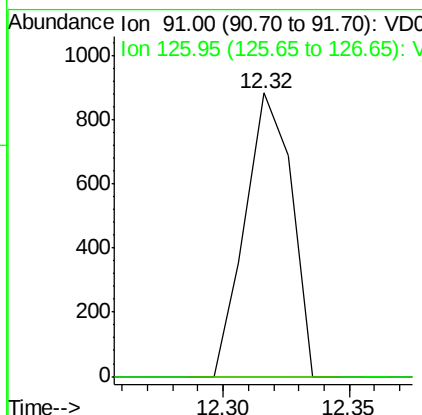
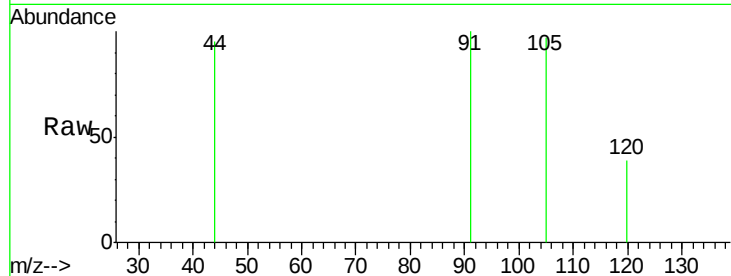




#82
4-Chlorotoluene
Concen: Below Cal
RT: 12.32 min Scan# 1228
Delta R.T. -0.01 min
Lab File: VD058024.D
Acq: 8 Jun 2018 18:10

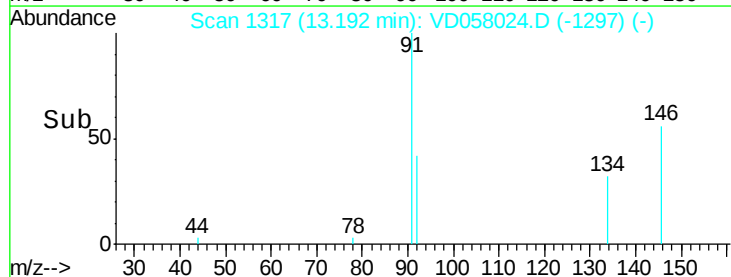
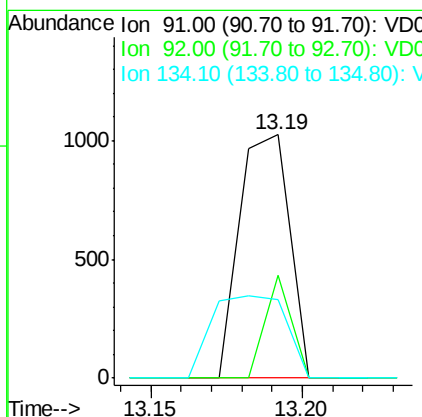
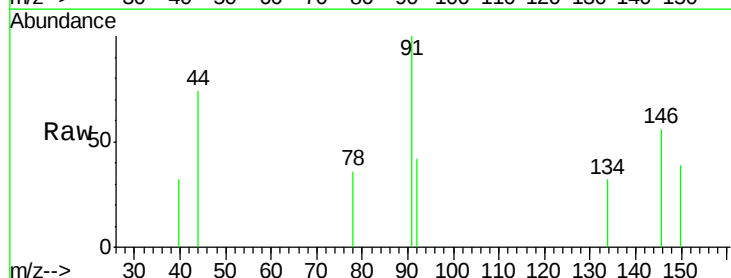
Instrument :
MSVOA_D
ClientSampleId :

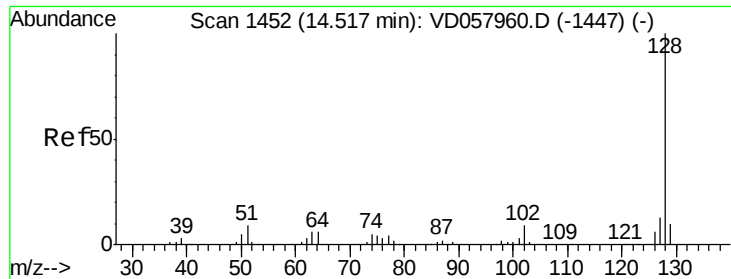
Tot Ion: 91 Resp: 1136
Ion Ratio Lower Upper
91 100
126 0.0 12.5 37.5#



#89
n-Butylbenzene
Concen: Below Cal
RT: 13.19 min Scan# 1317
Delta R.T. -0.00 min
Lab File: VD058024.D
Acq: 8 Jun 2018 18:10

Tgt Ion: 91 Resp: 1178
Ion Ratio Lower Upper
91 100
92 42.1 29.2 87.6
134 32.0 11.3 33.9

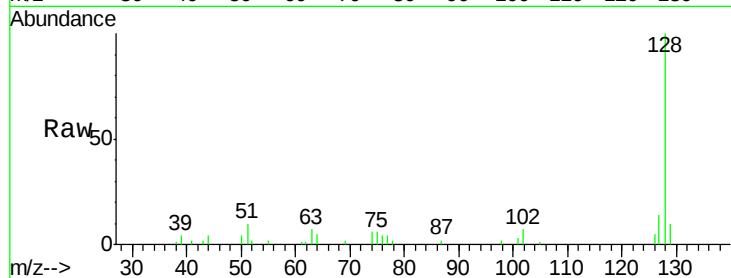




#95
 Naphthalene
 Concen: 2.246 ug/l
 RT: 14.51 min Scan# 1451
 Delta R.T. -0.01 min
 Lab File: VD058024.D
 Acq: 8 Jun 2018 18:10

Instrument :
 MSVOA_D
 ClientSampleId :

Tot Ion:128 Resp: 30881
 Ion Ratio Lower Upper
 128 100
 127 13.9 10.2 15.2
 129 10.0 8.2 12.2



Abundance Ion 128.00 (127.70 to 128.70): V
 Ion 127.00 (126.70 to 127.70): V
 Ion 129.00 (128.70 to 129.70): V

