

Data Path : Z:\VOASRV\HPCHEM1\MSVOA D\DATA\VD060818\
 Data File : VD058054.D
 Acq On : 9 Jun 2018 10:08
 Operator : VA/AP
 Sample : J3325-01RE
 Misc : 5.03g/5ml/MSVOA D/SOIL
 ALS Vial : 73 Sample Multiplier: 1

Instrument :
 MSVOA_D
 ClientSampleId :

Quant Time: Jun 11 04:07:35 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	613812	50.00	ug/l	-0.02
34) 1,4-Difluorobenzene	6.67	114	827908	50.00	ug/l	-0.03
63) Chlorobenzene-d5	10.68	117	657919	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	12.91	152	316499	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	353439	57.60	ug/l	-0.02
Spiked Amount			Recovery	=	115.20%	
35) Dibromofluoromethane	5.53	113	374851	58.52	ug/l	-0.03
Spiked Amount			Recovery	=	117.04%	
50) Toluene-d8	8.69	98	877773	57.64	ug/l	-0.02
Spiked Amount			Recovery	=	115.28%	
62) 4-Bromofluorobenzene	11.92	95	358186	53.92	ug/l	0.00
Spiked Amount			Recovery	=	107.84%	

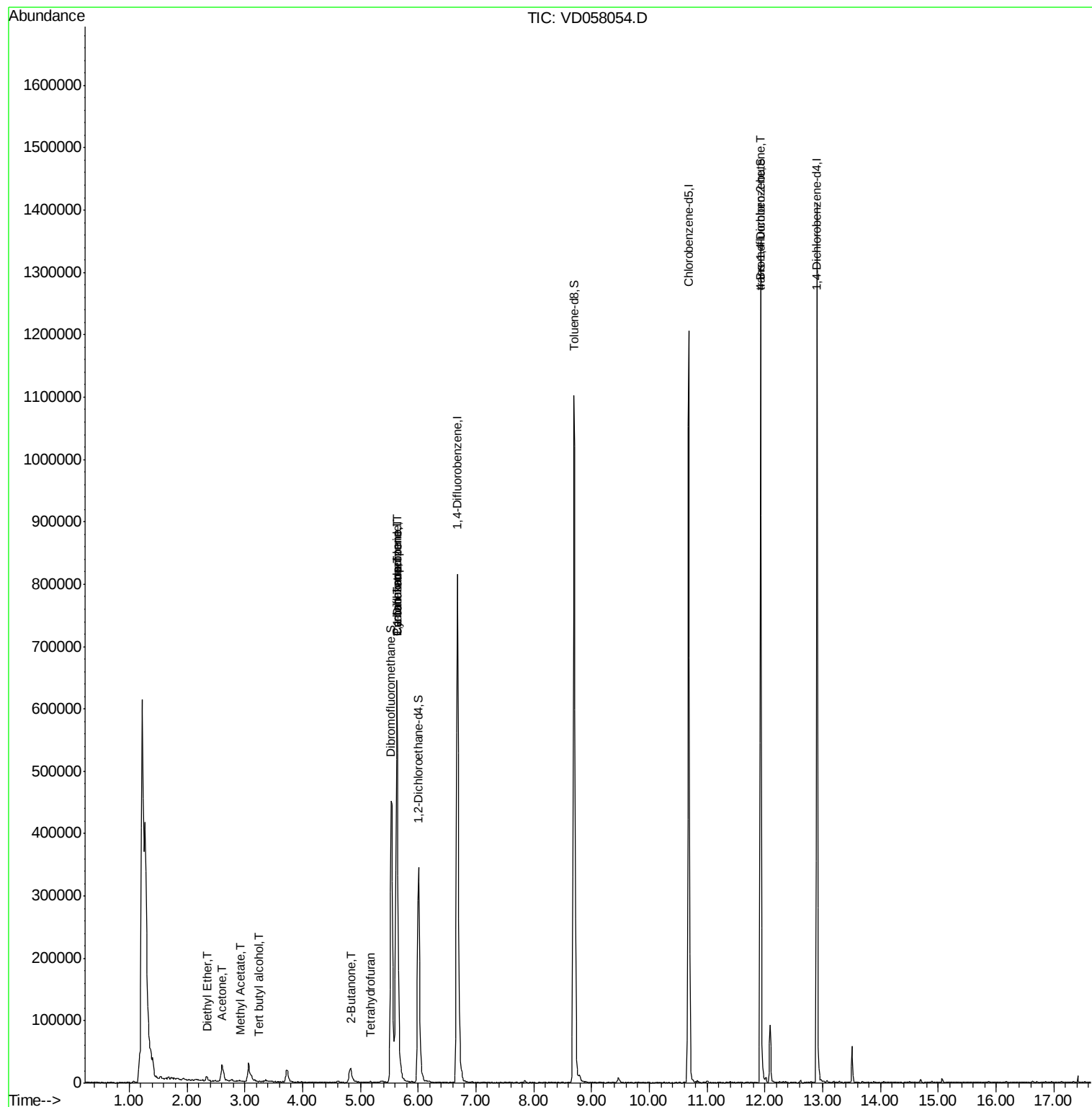
Target Compounds	R.T.	QIon	Response	Conc	Units	Qvalue
8) Diethyl Ether	2.34	74	1622	1.626	ug/l	87
11) Tert butyl alcohol	3.25	59	340	2.068	ug/l #	74
16) Acetone	2.60	43	61398	69.446	ug/l #	90
18) Methyl Acetate	2.92	43	2178	1.273	ug/l #	66
20) Methylene Chloride	3.07	84	12791	Below Cal		85
25) 2-Butanone	4.82	43	4459	2.219	ug/l #	25
29) Tetrahydrofuran	5.18	42	1100	1.044	ug/l #	67
31) Cyclohexane	5.63	56	14549	1.363	ug/l #	1
36) 1,1-Dichloropropene	5.63	75	56687	6.215	ug/l #	51
38) Carbon Tetrachloride	5.63	117	54554	6.069	ug/l #	15
81) trans-1,4-Dichloro-2-buten	11.92	75	177149	150.437	ug/l #	6
82) 4-Chlorotoluene	12.32	91	968	Below Cal	#	50
89) n-Butylbenzene	13.18	91	625	Below Cal	#	30

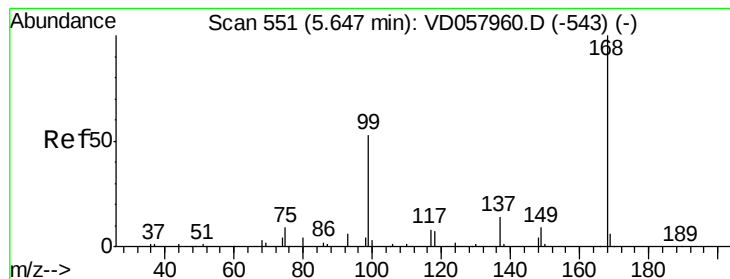
(#) = qualifier out of range (m) = manual integration (+) = signals summed

Data Path : Z:\V0ASRV\HPCHEM1\MSVOA D\DATA\VD060818\
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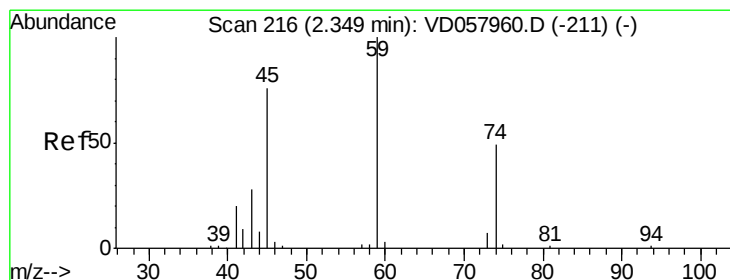
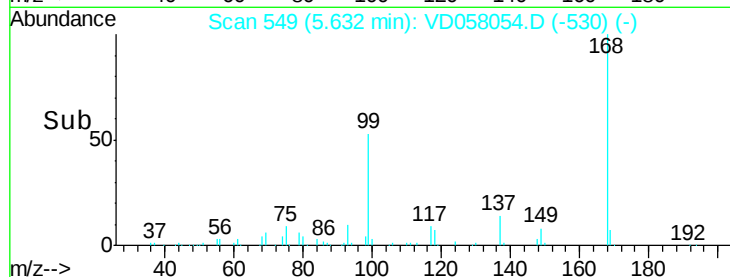
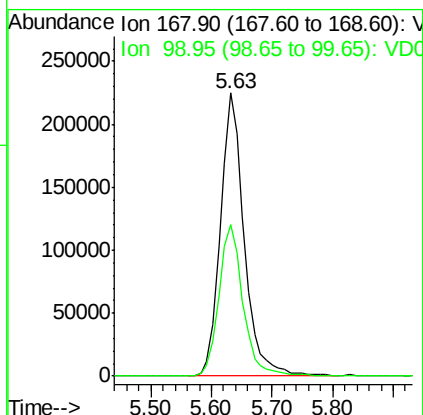
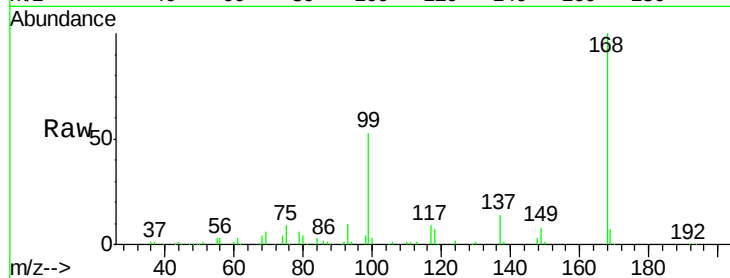




#1
Pentafluorobenzene
Concen: 50.000 ug/l
RT: 5.63 min Scan# 549
Delta R.T. -0.02 min
Lab File: VD058054.D
Acq: 9 Jun 2018 10:08

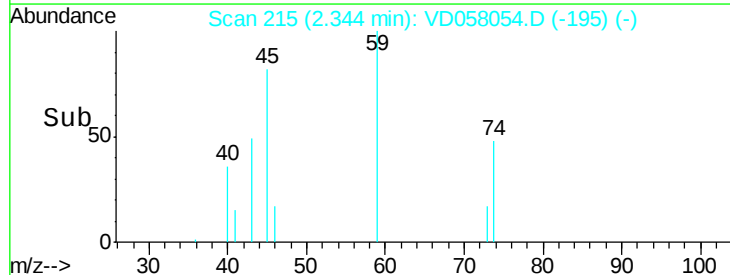
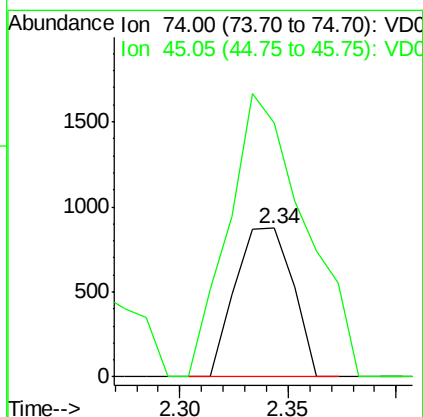
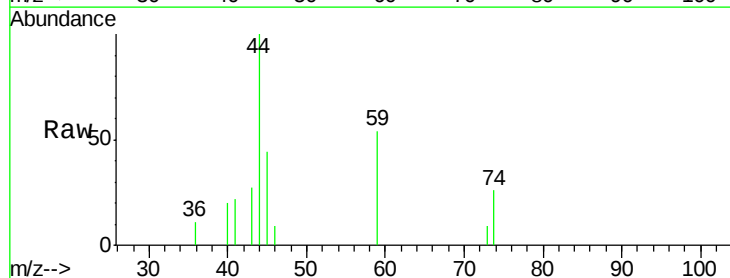
Instrument :
MSVOA_D
ClientSampleId :

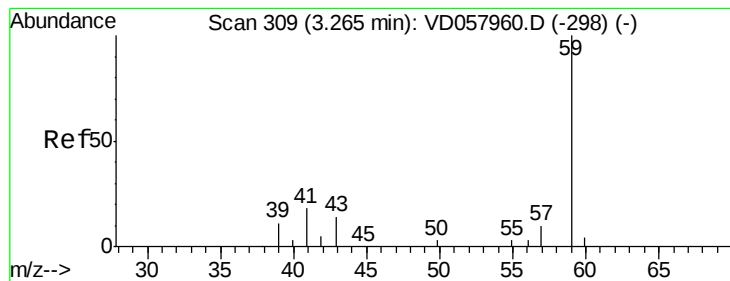
Tot Ion:168 Resp: 613812
Ion Ratio Lower Upper
168 100
99 53.4 46.8 70.2



#8
Diethyl Ether
Concen: 1.626 ug/l
RT: 2.34 min Scan# 215
Delta R.T. -0.01 min
Lab File: VD058054.D
Acq: 9 Jun 2018 10:08

Tgt Ion: 74 Resp: 1622
Ion Ratio Lower Upper
74 100
45 170.7 77.1 231.3



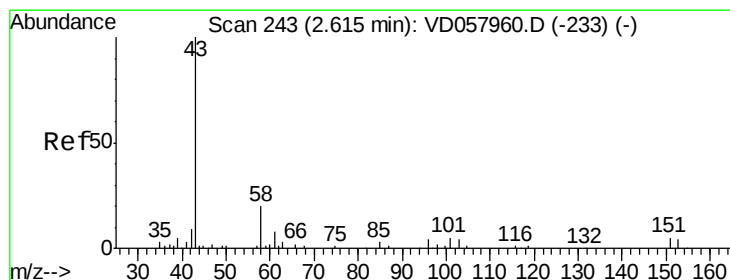
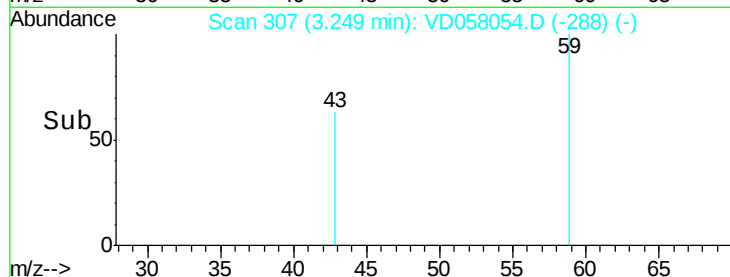
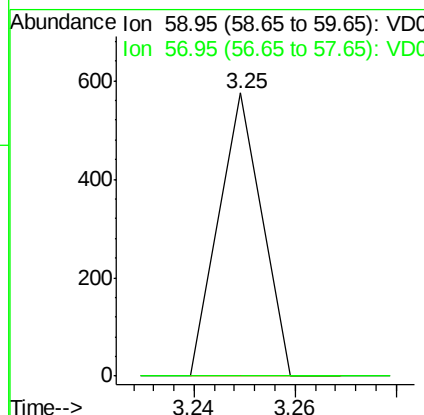
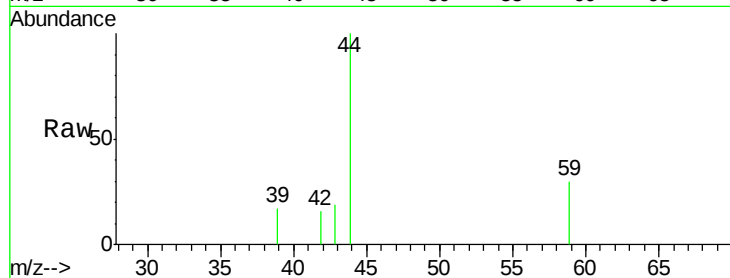


#11

Tert butyl alcohol
 Concen: 2.068 ug/l
 RT: 3.25 min Scan# 307
 Delta R.T. -0.02 min
 Lab File: VD058054.D
 Acq: 9 Jun 2018 10:08

Instrument :
 MSVOA_D
 ClientSampleId :

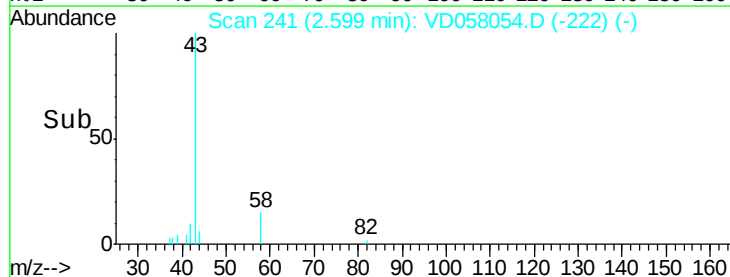
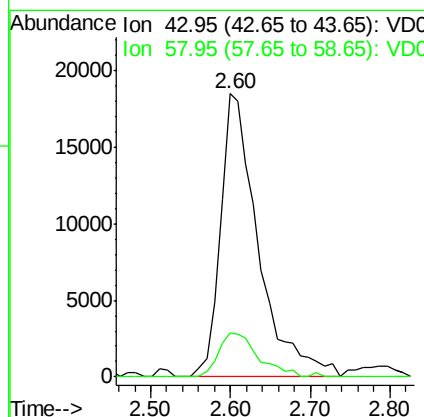
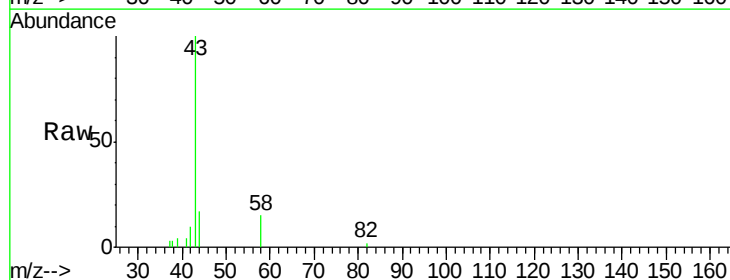
Tot Ion: 59 Resp: 340
 Ion Ratio Lower Upper
 59 100
 57 0.0 7.8 11.6#

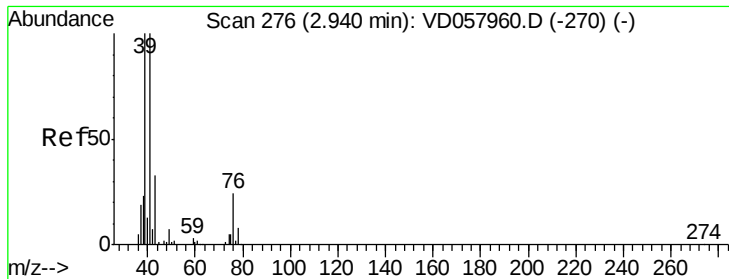


#16

Acetone
 Concen: 69.446 ug/l
 RT: 2.60 min Scan# 241
 Delta R.T. -0.02 min
 Lab File: VD058054.D
 Acq: 9 Jun 2018 10:08

Tgt Ion: 43 Resp: 61398
 Ion Ratio Lower Upper
 43 100
 58 15.4 15.8 23.8#

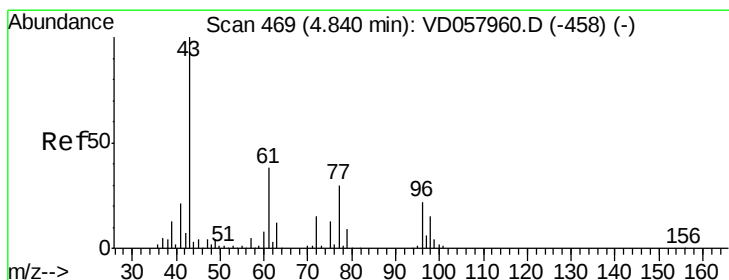
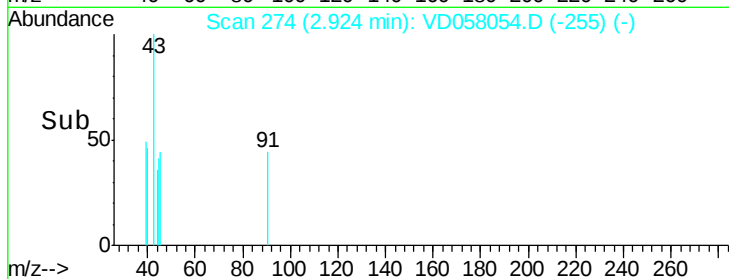
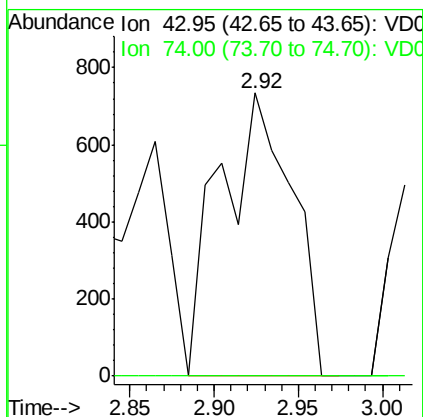
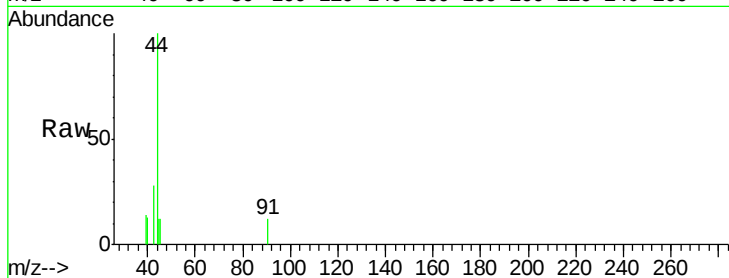




#18
Methvl Acetate
Concen: 1.273 ug/l
RT: 2.92 min Scan# 274
Delta R.T. -0.02 min
Lab File: VD058054.D
Acq: 9 Jun 2018 10:08

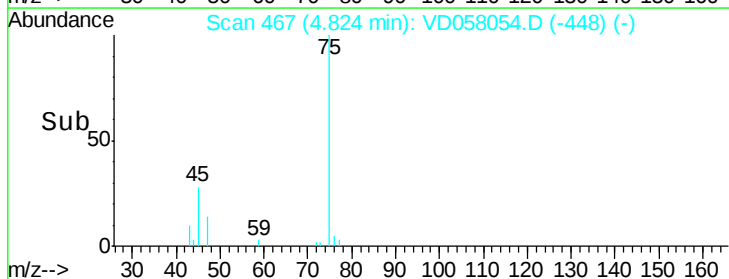
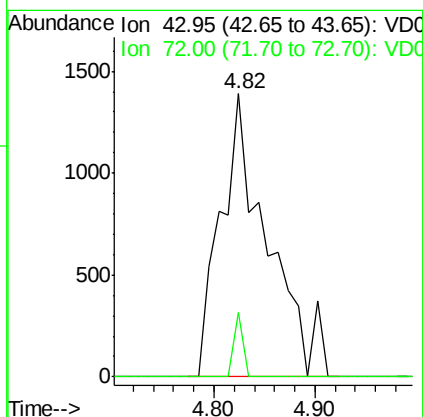
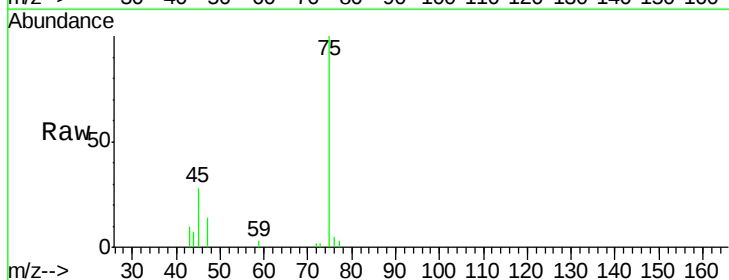
Instrument :
MSVOA_D
ClientSampled :

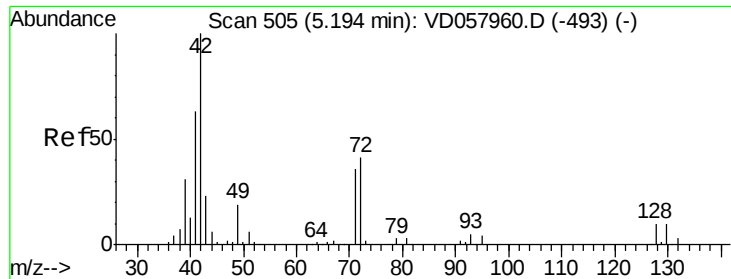
Tot Ion: 43 Resp: 2178
Ion Ratio Lower Upper
43 100
74 0.0 11.2 16.8#



#25
2-Butanone
Concen: 2.219 ug/l
RT: 4.82 min Scan# 467
Delta R.T. -0.02 min
Lab File: VD058054.D
Acq: 9 Jun 2018 10:08

Tgt Ion: 43 Resp: 4459
Ion Ratio Lower Upper
43 100
72 46.4 12.0 18.0#

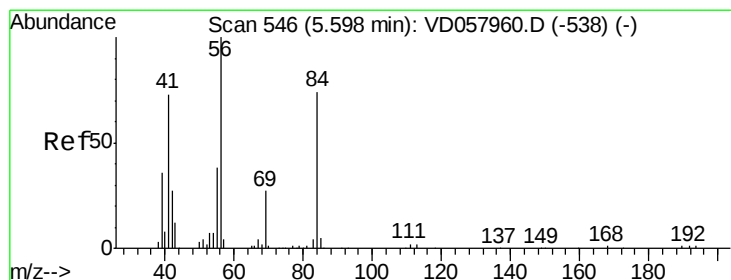
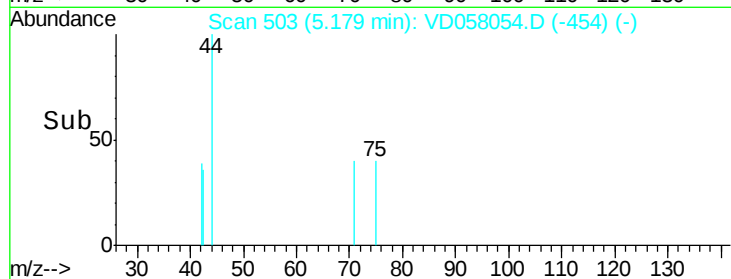
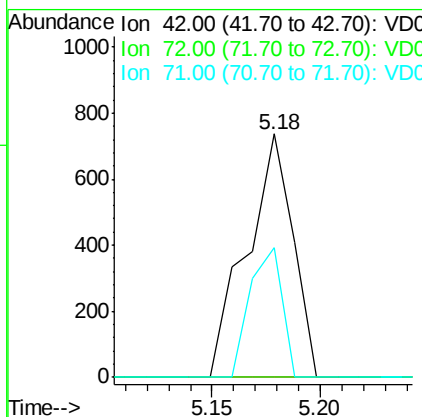
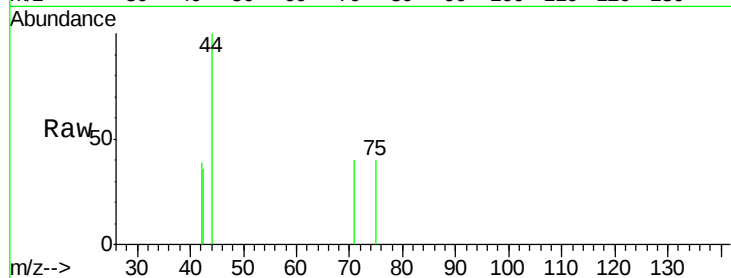




#29
Tetrahydrofuran
Concen: 1.044 ug/l
RT: 5.18 min Scan# 503
Delta R.T. -0.02 min
Lab File: VD058054.D
Acq: 9 Jun 2018 10:08

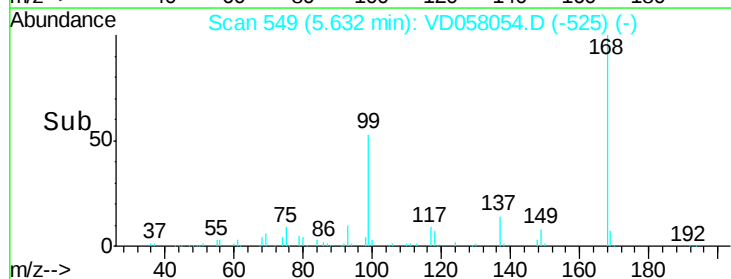
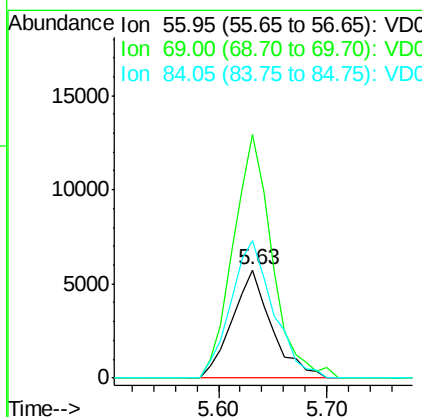
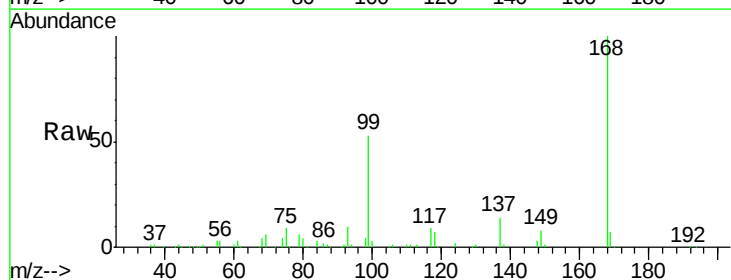
Instrument :
MSVOA_D
ClientSampled :

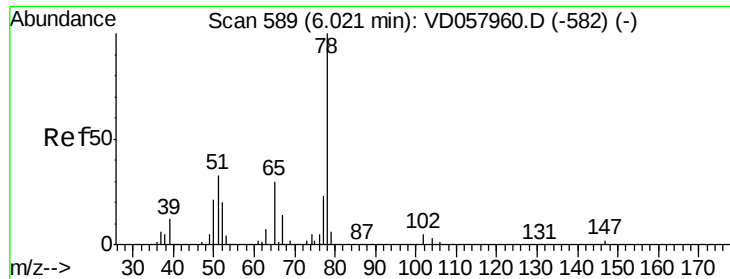
Tot Ion: 42 Resp: 1100
Ion Ratio Lower Upper
42 100
72 0.0 28.5 42.7#
71 37.3 27.9 41.9



#31
Cyclohexane
Concen: 1.363 ug/l
RT: 5.63 min Scan# 549
Delta R.T. 0.03 min
Lab File: VD058054.D
Acq: 9 Jun 2018 10:08

Tgt Ion: 56 Resp: 14549
Ion Ratio Lower Upper
56 100
69 225.4 21.5 32.3#
84 127.4 61.0 91.6#





#33

1,2-Dichloroethane-d4

Concen: N.D. ug/l

RT: 6.01 min Scan# 587

Delta R.T. -0.02 min

Lab File: VD058054.D

Acq: 9 Jun 2018 10:08

Instrument :

MSVOA_D

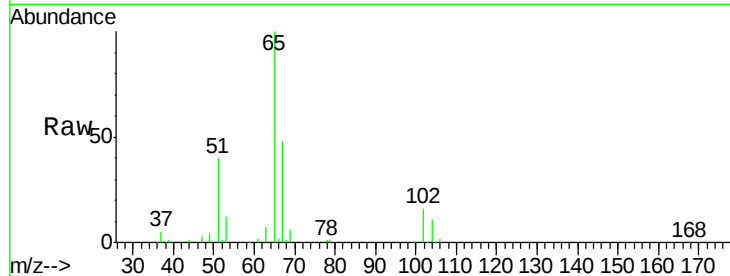
ClientSampled :

Tot Ion: 65 Resp: 353439

Ion Ratio Lower Upper

65 100

67 48.1 0.0 94.0



Abundance Ion 64.95 (64.65 to 65.65): VDC

Ion 66.90 (66.60 to 67.60): VDC

6.01

150000

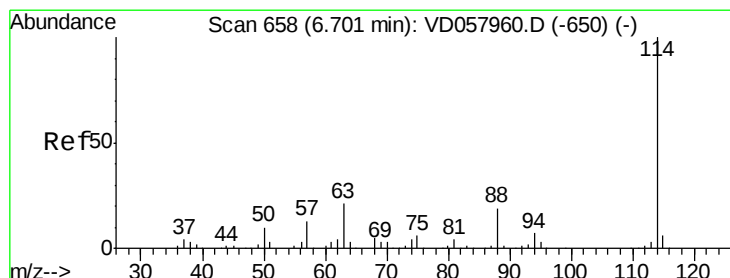
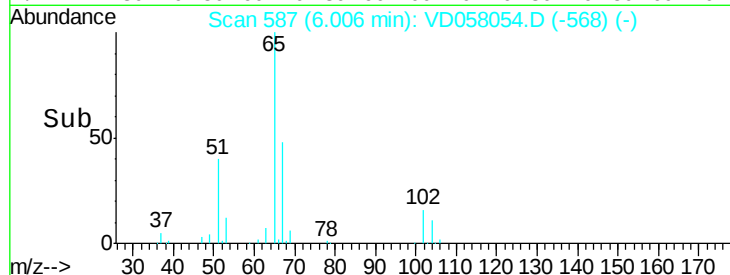
100000

50000

0

Time-->

5.90 6.00 6.10 6.20



#34

1,4-Difluorobenzene

Concen: 50.000 ug/l

RT: 6.67 min Scan# 655

Delta R.T. -0.03 min

Lab File: VD058054.D

Acq: 9 Jun 2018 10:08

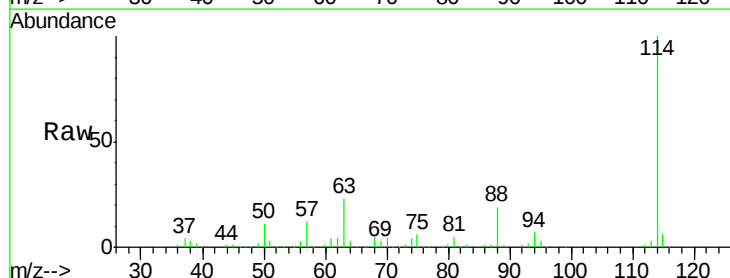
Tgt Ion: 114 Resp: 827908

Ion Ratio Lower Upper

114 100

63 22.8 0.0 42.8

88 19.3 0.0 37.8



Abundance Ion 114.00 (113.70 to 114.70): V

Ion 62.95 (62.65 to 63.65): VDC

Ion 87.90 (87.60 to 88.60): VDC

6.67

400000

300000

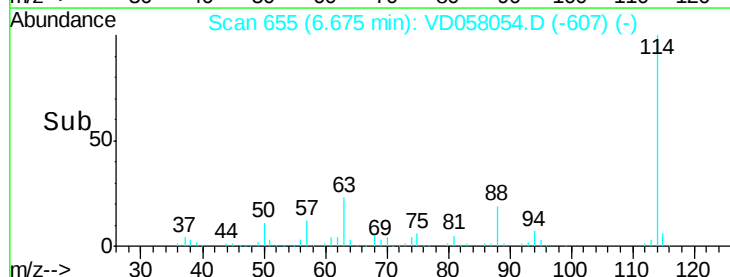
200000

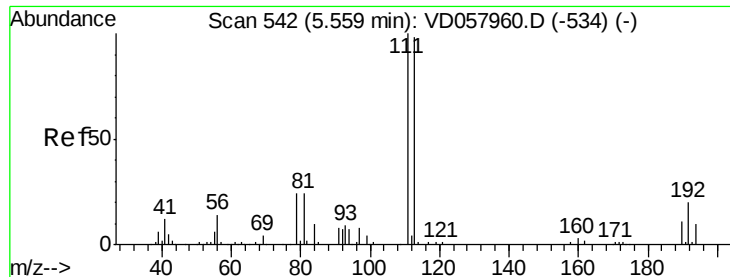
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0

Time-->

6.60 6.70 6.80

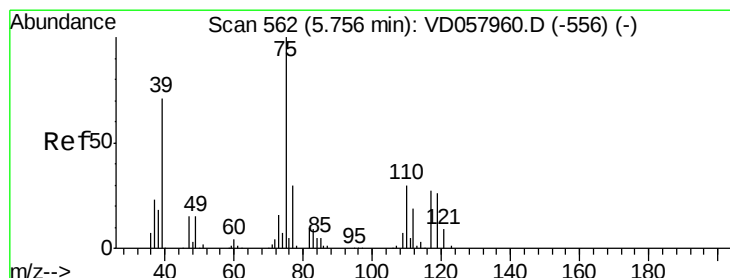
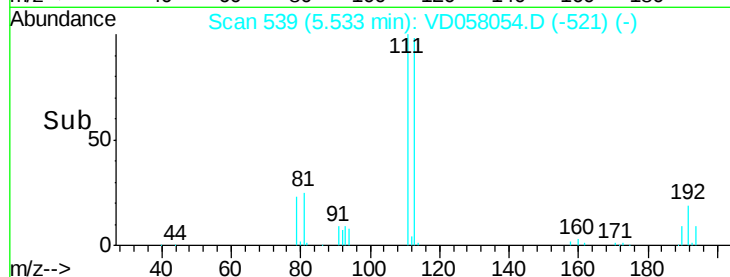
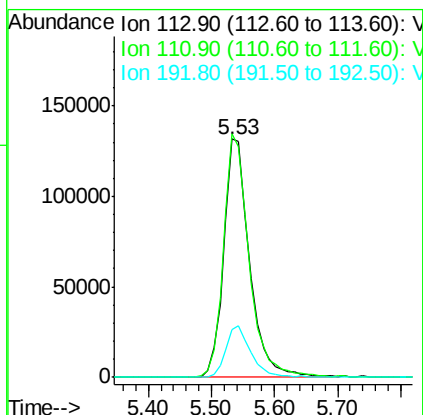
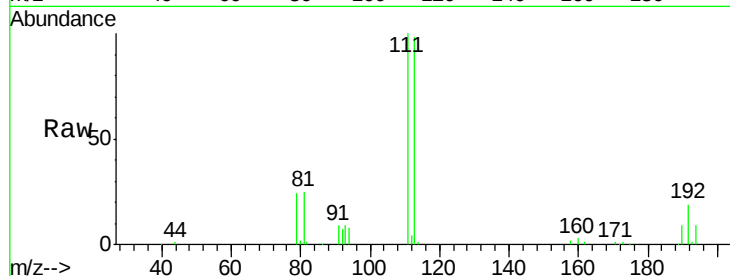




#35
 Dibromofluoromethane
 Concen: 50.000 ug/l
 RT: 5.53 min Scan# 539
 Delta R.T. -0.03 min
 Lab File: VD058054.D
 Acq: 9 Jun 2018 10:08

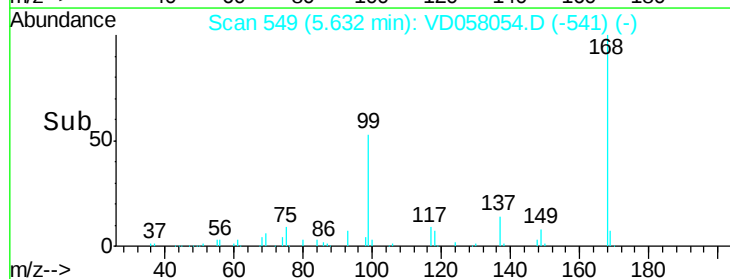
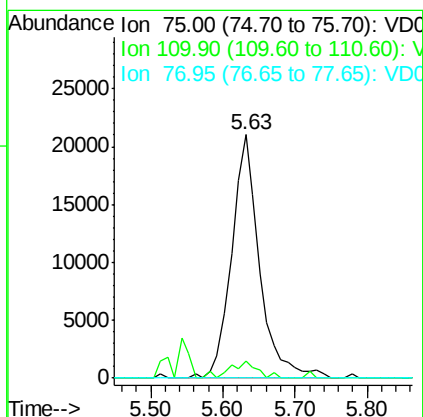
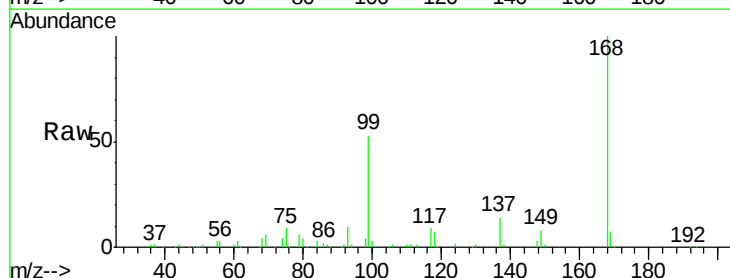
Instrument :
 MSVOA_D
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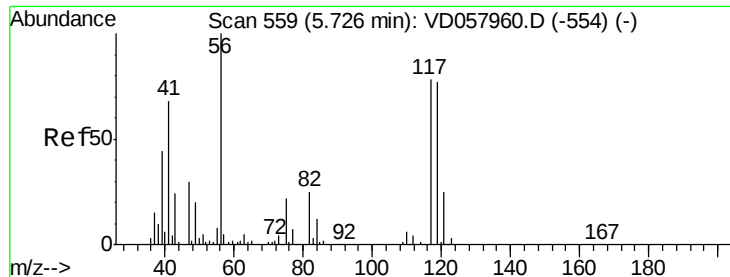
Tot Ion:113 Resp: 374851
 Ion Ratio Lower Upper
 113 100
 111 102.3 81.5 122.3
 192 19.8 16.4 24.6



#36
 1,1-Dichloropropene
 Concen: 6.215 ug/l
 RT: 5.63 min Scan# 549
 Delta R.T. -0.12 min
 Lab File: VD058054.D
 Acq: 9 Jun 2018 10:08

Tgt Ion: 75 Resp: 56687
 Ion Ratio Lower Upper
 75 100
 110 6.9 14.8 44.3#
 77 0.0 23.9 35.9#





#38

Carbon Tetrachloride

Concen: 6.069 ug/l

RT: 5.63 min Scan# 549

Delta R.T. -0.09 min

Lab File: VD058054.D

Acq: 9 Jun 2018 10:08

Instrument :
MSVOA_D
ClientSampleId :

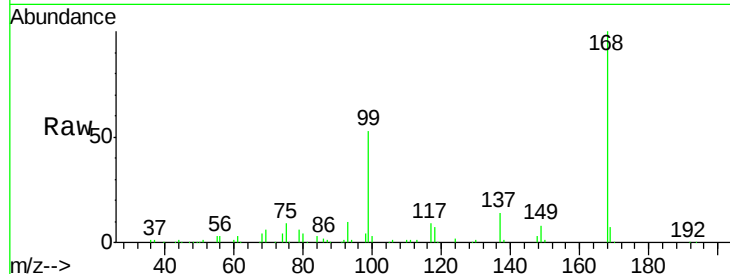
Tot Ion:117 Resp: 54554

Ion Ratio Lower Upper

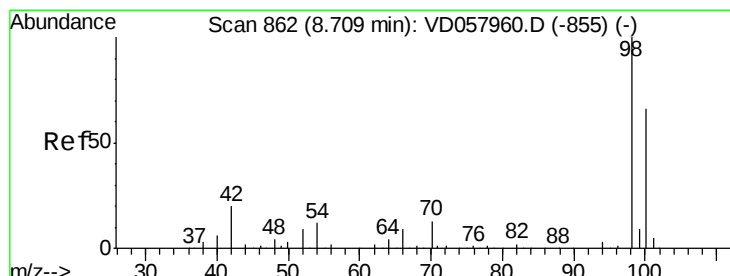
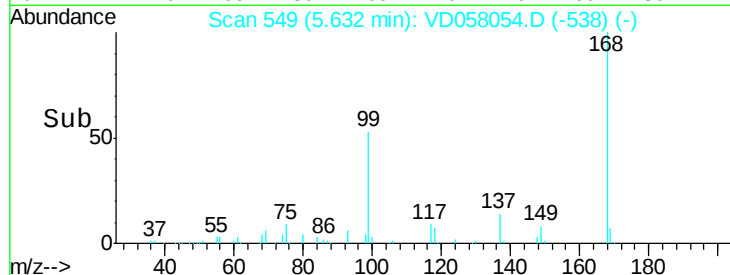
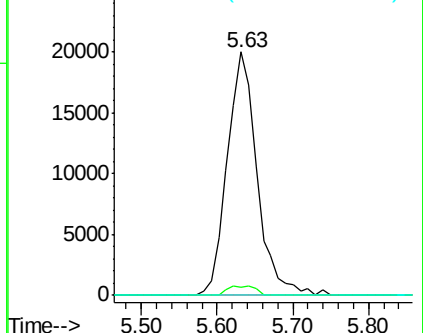
117 100

119 3.6 76.1 114.1#

121 0.0 24.9 37.3#



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# 860

Delta R.T. -0.02 min

Lab File: VD058054.D

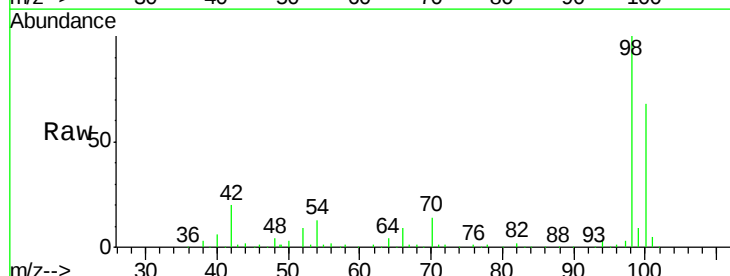
Acq: 9 Jun 2018 10:08

Tgt Ion: 98 Resp: 877773

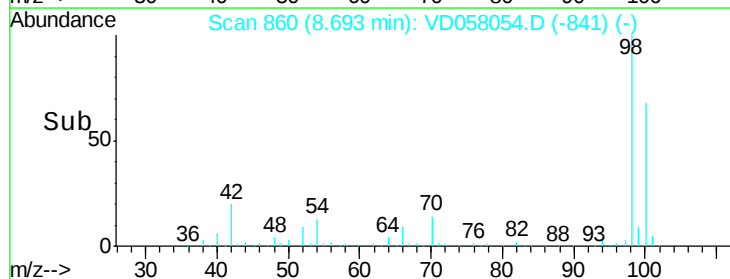
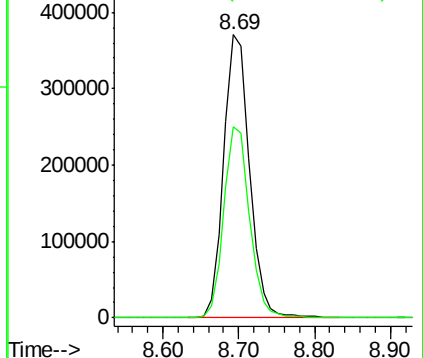
Ion Ratio Lower Upper

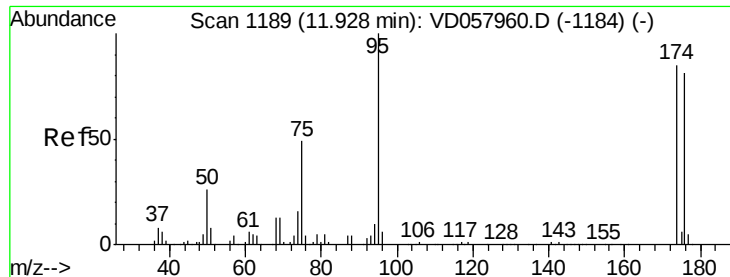
98 100

100 67.6 53.4 80.0



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# 1188

Delta R.T. -0.01 min

Lab File: VD058054.D

Acq: 9 Jun 2018 10:08

Instrument :

MSVOA_D

ClientSampleId :

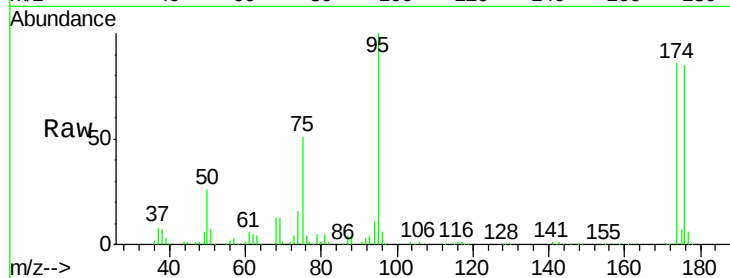
Tot Ion: 95 Resp: 358186

Ion Ratio Lower Upper

95 100

174 86.2 0.0 169.4

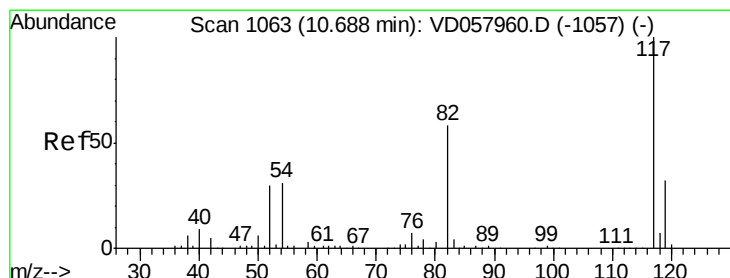
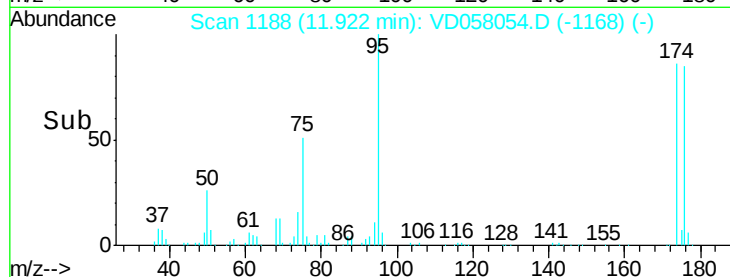
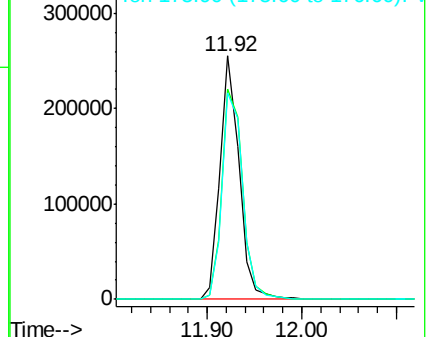
176 84.8 0.0 162.6



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: VD058054.D

Acq: 9 Jun 2018 10:08

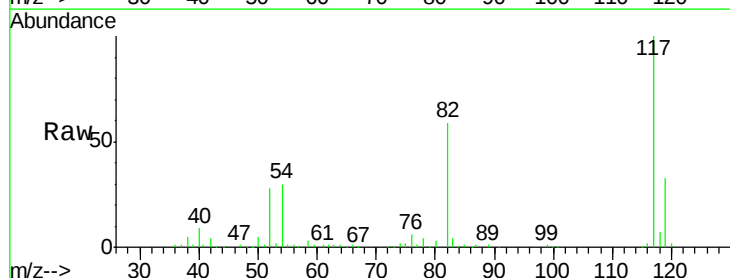
Tgt Ion: 117 Resp: 657919

Ion Ratio Lower Upper

117 100

82 59.5 46.8 70.2

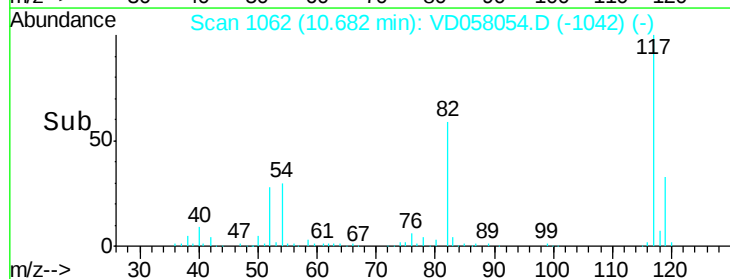
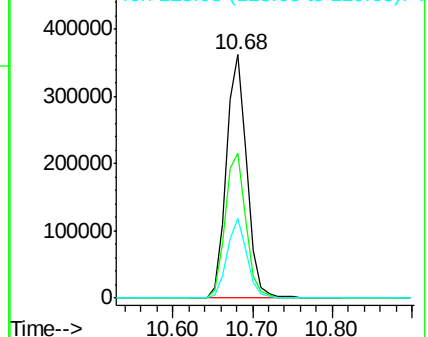
119 32.7 25.8 38.6

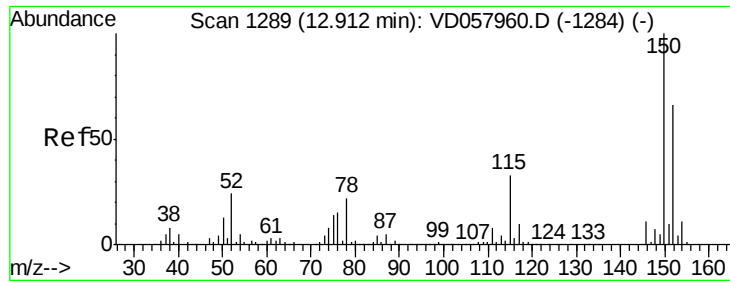


Abundance Ion 116.95 (116.65 to 117.65): V

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: 12.91 min Scan# 1288

Delta R.T. -0.01 min

Lab File: VD058054.D

Acq: 9 Jun 2018 10:08

Instrument :

MSVOA_D

ClientSampled :

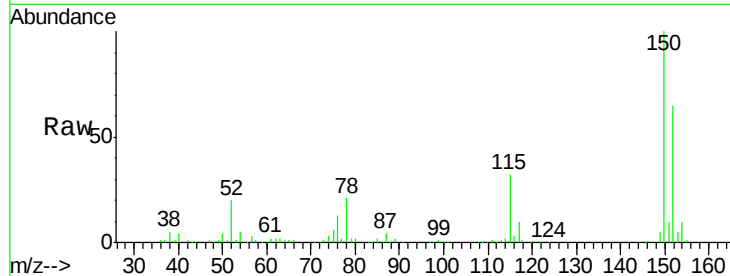
Tot Ion:152 Resp: 316499

Ion Ratio Lower Upper

152 100

115 49.0 25.6 76.6

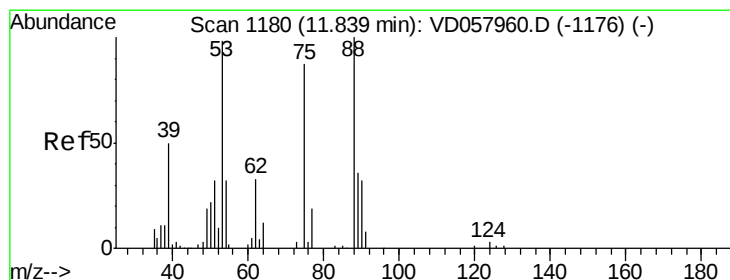
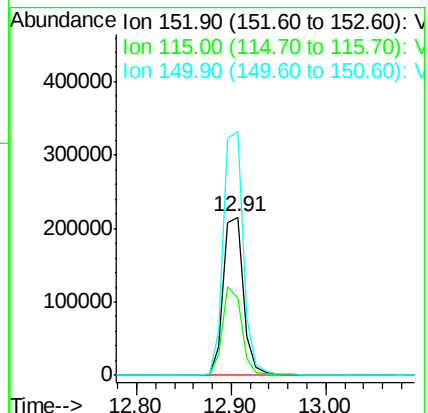
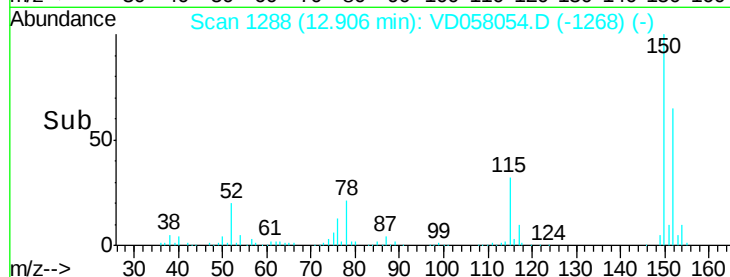
150 154.1 0.0 306.8



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: 150.437 ug/l

RT: 11.92 min Scan# 1188

Delta R.T. 0.08 min

Lab File: VD058054.D

Acq: 9 Jun 2018 10:08

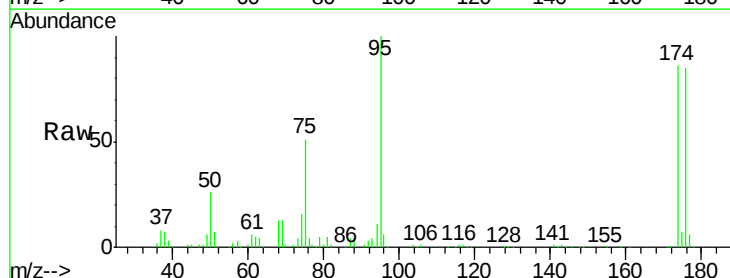
Tgt Ion: 75 Resp: 177149

Ion Ratio Lower Upper

75 100

53 0.0 89.3 133.9#

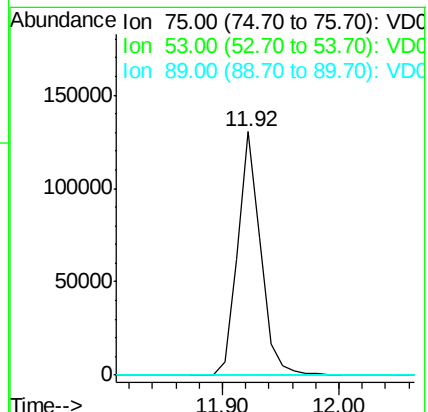
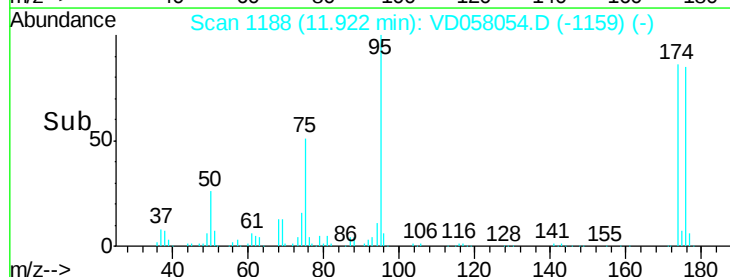
89 0.0 33.3 49.9#

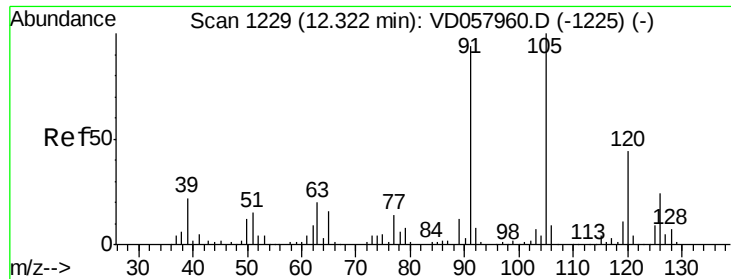


Abundance Ion 75.00 (74.70 to 75.70): VDC

Ion 53.00 (52.70 to 53.70): VDC

Ion 89.00 (88.70 to 89.70): VDC

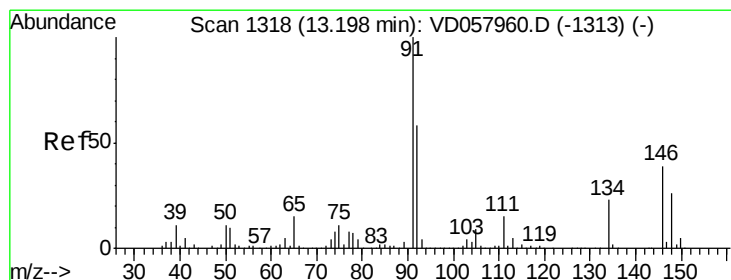
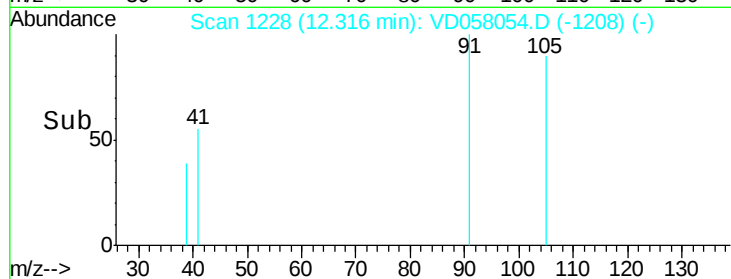
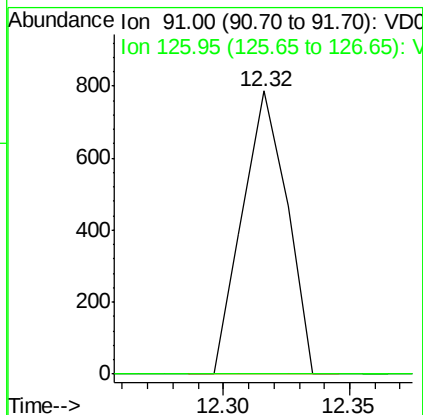
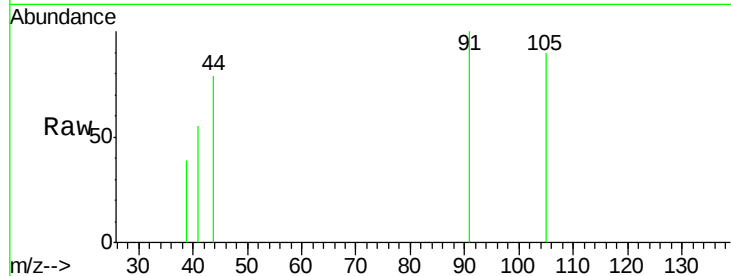




#82
4-Chlorotoluene
Concen: Below Cal
RT: 12.32 min Scan# 1228
Delta R.T. -0.01 min
Lab File: VD058054.D
Acq: 9 Jun 2018 10:08

Instrument :
MSVOA_D
ClientSampleId :

Tot Ion: 91 Resp: 968
Ion Ratio Lower Upper
91 100
126 0.0 12.5 37.5#



#89
n-Butylbenzene
Concen: Below Cal
RT: 13.18 min Scan# 1316
Delta R.T. -0.01 min
Lab File: VD058054.D
Acq: 9 Jun 2018 10:08

Tgt Ion: 91 Resp: 625
Ion Ratio Lower Upper
91 100
92 0.0 29.2 87.6#
134 0.0 11.3 33.9#

