

Data Path : Z:\VOASRV\HPCHEM1\MSVOA D\DATA\VD061518\
 Data File : VD058162.D
 Acq On : 15 Jun 2018 19:56
 Operator : VA/AP
 Sample : J3471-03RE
 Misc : 3.72g/5ml/MSVOA D/SOIL
 ALS Vial : 11 Sample Multiplier: 1

Instrument :
 MSVOA_D
 ClientSampleId :

Quant Time: Jun 15 23:19:15 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	583417	50.00	ug/l	-0.01
34) 1,4-Difluorobenzene	6.69	114	733822	50.00	ug/l	-0.01
63) Chlorobenzene-d5	10.68	117	511217	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	12.91	152	187925	50.00	ug/l	0.00

System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	6.01	65	411902	70.62	ug/l	-0.01
Spiked Amount	50.000		Recovery	=	141.24%	
35) Dibromofluoromethane	5.54	113	409068	72.05	ug/l	-0.02
Spiked Amount	50.000		Recovery	=	144.10%	
50) Toluene-d8	8.71	98	842842	62.44	ug/l	0.00
Spiked Amount	50.000		Recovery	=	124.88%	
62) 4-Bromofluorobenzene	11.92	95	267265	45.39	ug/l	0.00
Spiked Amount	50.000		Recovery	=	90.78%	

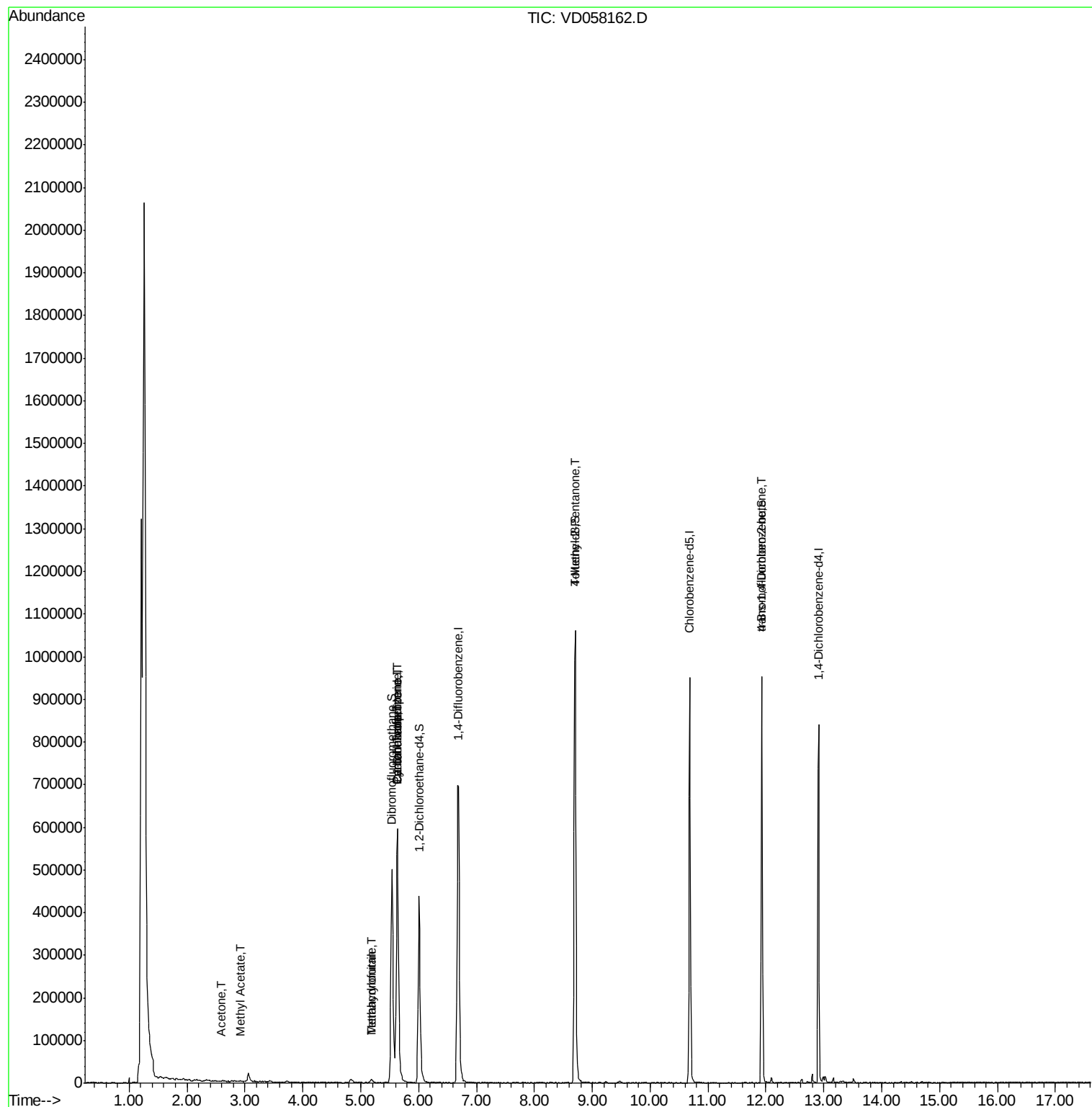
Target Compounds	R.T.	QIon	Response	Conc	Units	Qvalue
16) Acetone	2.58	43	2241	2.667	ug/l #	57
18) Methyl Acetate	2.92	43	2065	1.270	ug/l #	66
20) Methylene Chloride	3.06	84	9093	Below Cal		83
29) Tetrahydrofuran	5.19	42	5813	5.807	ug/l	96
31) Cyclohexane	5.62	56	12551	1.238	ug/l #	1
36) 1,1-Dichloropropene	5.63	75	45250	5.597	ug/l #	53
38) Carbon Tetrachloride	5.64	117	49121	6.165	ug/l #	16
41) Methacrylonitrile	5.18	41	3691	1.830	ug/l #	63
51) 4-Methyl-2-Pentanone	8.71	43	5515	1.488	ug/l #	1
81) trans-1,4-Dichloro-2-buten	11.92	75	127707	182.650	ug/l #	6
82) 4-Chlorotoluene	12.32	91	317	Below Cal	#	50
89) n-Butylbenzene	13.19	91	181	Below Cal	#	30

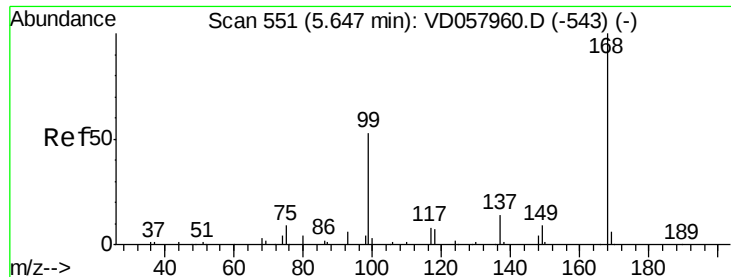
(#) = qualifier out of range (m) = manual integration (+) = signals summed

Data Path : Z:\V0ASRV\HPCHEM1\MSVOA D\DATA\VD061518\
Data File : VD058162.D
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Quant Method : Z:\V0ASRV\HPCHEM1\MSVOA_D\METHOD\82D060618S.M
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. -0.01 min

Lab File: VD058162.D

Acq: 15 Jun 2018 19:56

Instrument :

MSVOA_D

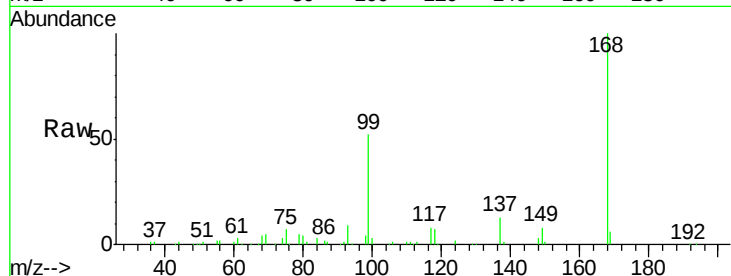
ClientSampleId :

Tot Ion:168 Resp: 583417

Ion Ratio Lower Upper

168 100

99 51.7 46.8 70.2



Abundance Ion 167.90 (167.60 to 168.60): V

Ion 98.95 (98.65 to 99.65): VDC

5.63

250000

200000

150000

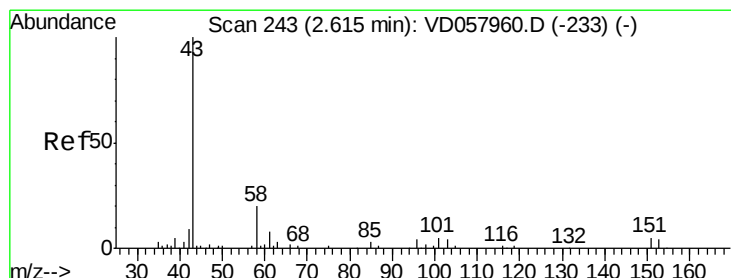
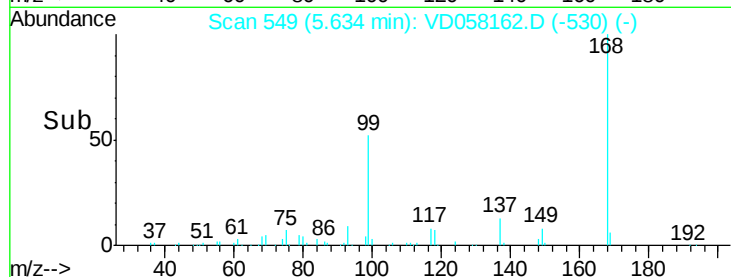
100000

50000

0

Time-->

5.50 5.60 5.70 5.80 5.90



#16

Acetone

Concen: 2.667 ug/l

RT: 2.58 min Scan# 239

Delta R.T. -0.03 min

Lab File: VD058162.D

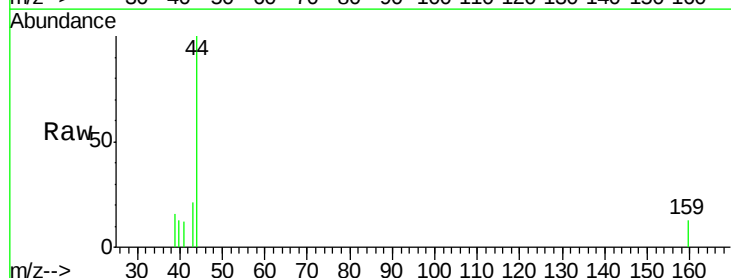
Acq: 15 Jun 2018 19:56

Tgt Ion: 43 Resp: 2241

Ion Ratio Lower Upper

43 100

58 0.0 15.8 23.8#



Abundance Ion 42.95 (42.65 to 43.65): VDC

Ion 57.95 (57.65 to 58.65): VDC

2.58

600

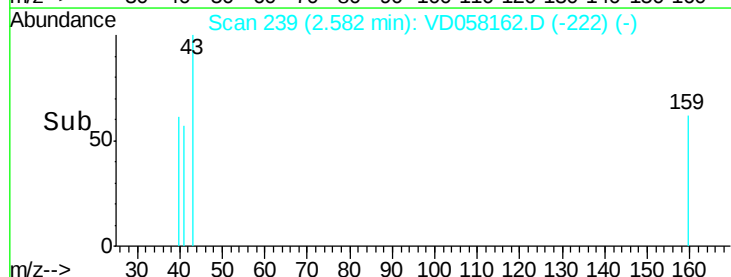
400

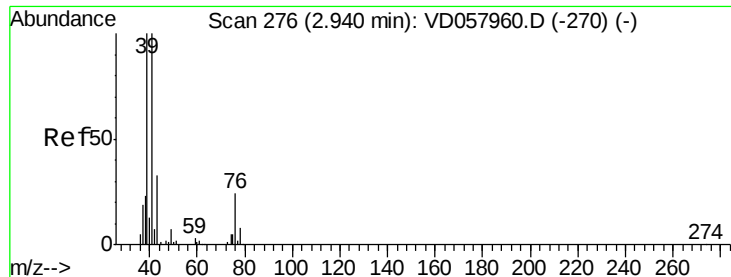
200

0

Time-->

2.55 2.60 2.65 2.70

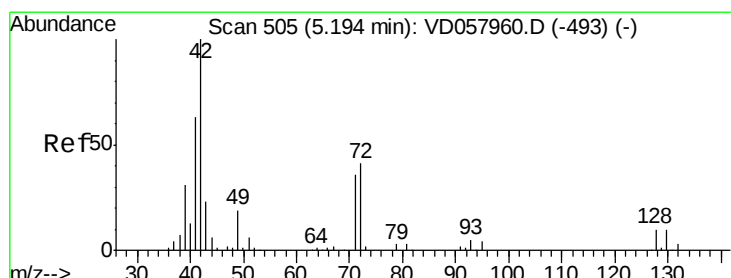
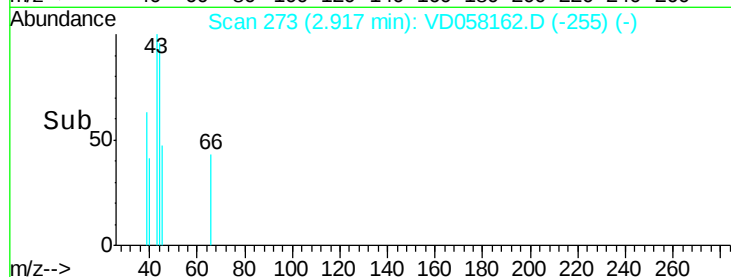
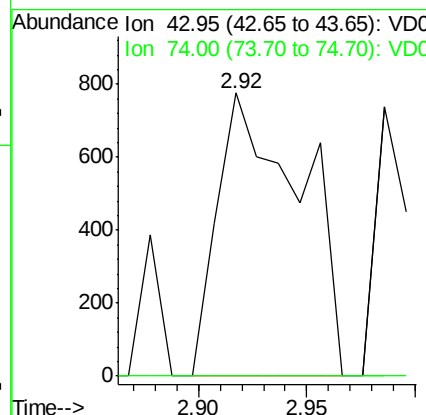
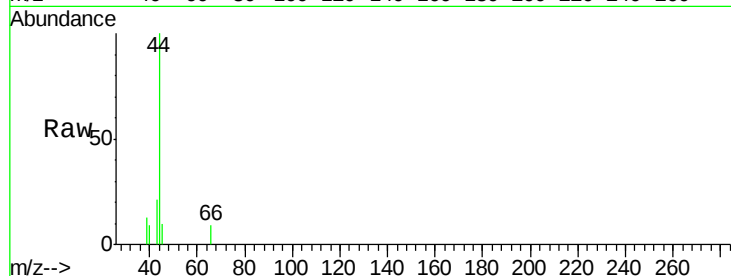




#18
Methyl Acetate
Concen: 1.270 ug/l
RT: 2.92 min Scan# 273
Delta R.T. -0.02 min
Lab File: VD058162.D
Acq: 15 Jun 2018 19:56

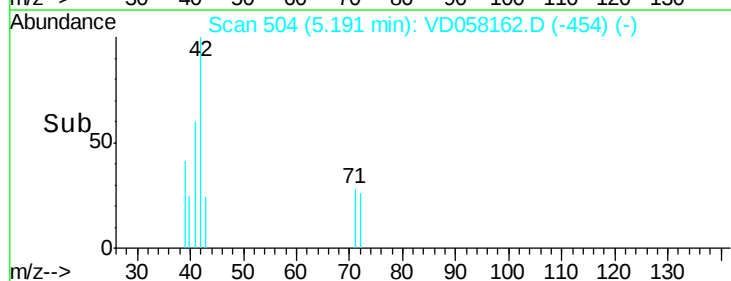
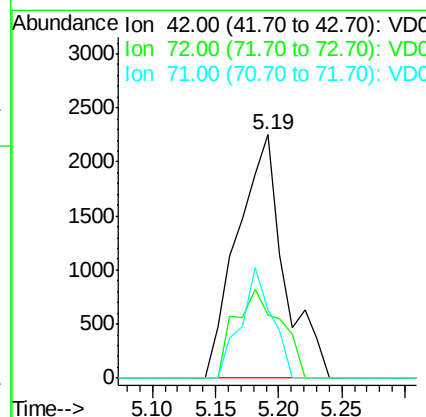
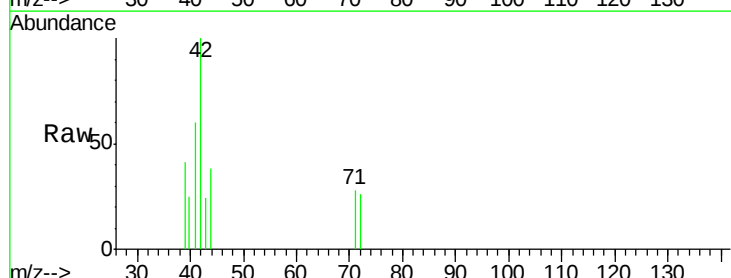
Instrument :
MSVOA_D
ClientSampled :

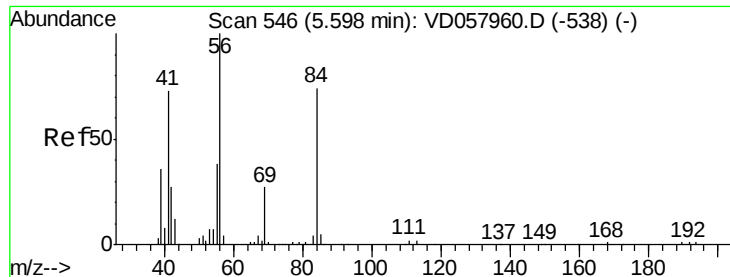
Tot Ion: 43 Resp: 2065
Ion Ratio Lower Upper
43 100
74 0.0 11.2 16.8#



#29
Tetrahydrofuran
Concen: 5.807 ug/l
RT: 5.19 min Scan# 504
Delta R.T. -0.00 min
Lab File: VD058162.D
Acq: 15 Jun 2018 19:56

Tgt Ion: 42 Resp: 5813
Ion Ratio Lower Upper
42 100
72 35.5 28.5 42.7
71 30.0 27.9 41.9

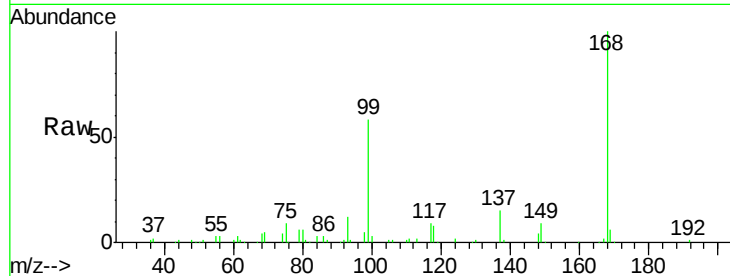




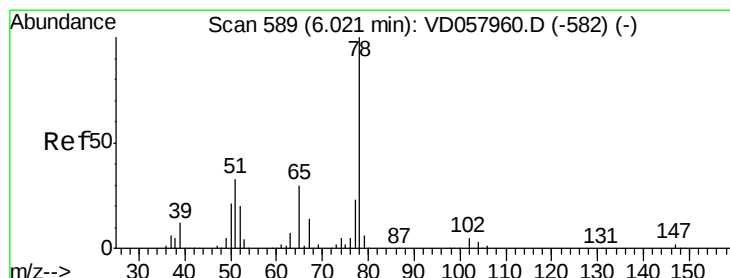
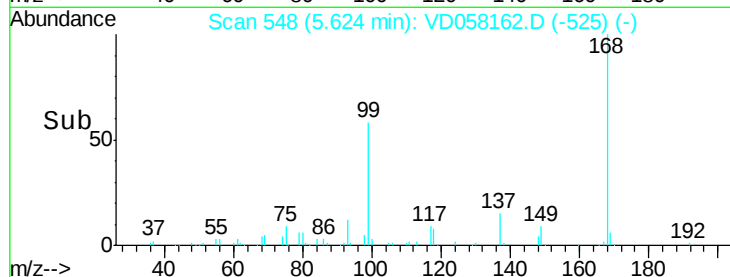
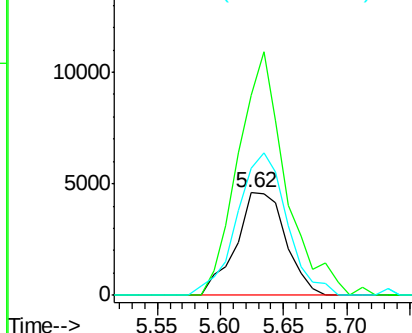
#31
Cyclohexane
Concen: 1.238 ug/l
RT: 5.62 min Scan# 548
Delta R.T. 0.03 min
Lab File: VD058162.D
Acq: 15 Jun 2018 19:56

Instrument :
MSVOA_D
ClientSampled :

Tot Ion: 56 Resp: 12551
Ion Ratio Lower Upper
56 100
69 194.3 21.5 32.3#
84 124.0 61.0 91.6#

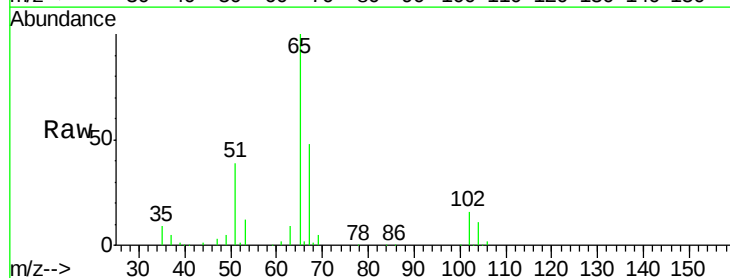


Abundance Ion 55.95 (55.65 to 56.65): VDC
Ion 69.00 (68.70 to 69.70): VDC
Ion 84.05 (83.75 to 84.75): VDC

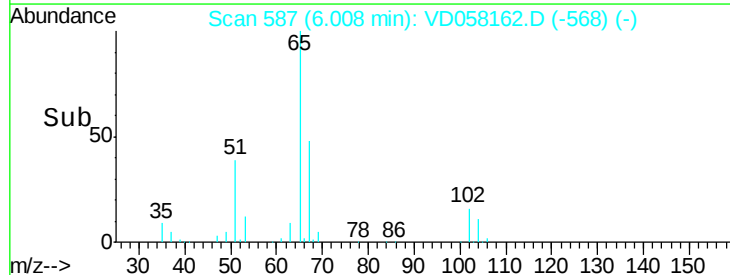
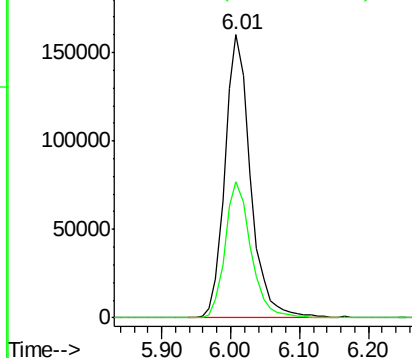


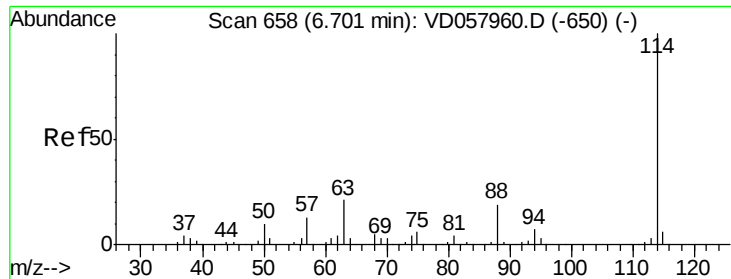
#33
1,2-Dichloroethane-d4
Concen: N.D. ug/l
RT: 6.01 min Scan# 587
Delta R.T. -0.01 min
Lab File: VD058162.D
Acq: 15 Jun 2018 19:56

Tgt Ion: 65 Resp: 411902
Ion Ratio Lower Upper
65 100
67 47.9 0.0 94.0



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

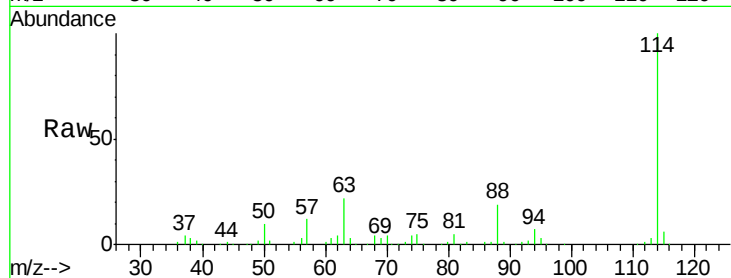




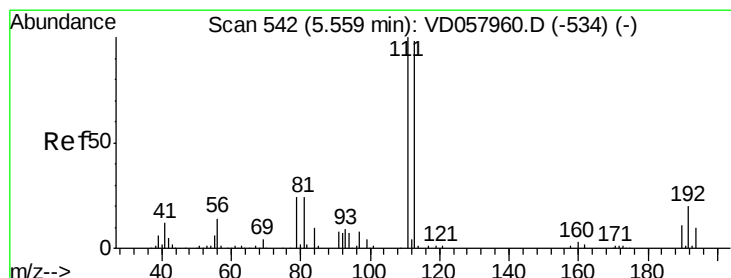
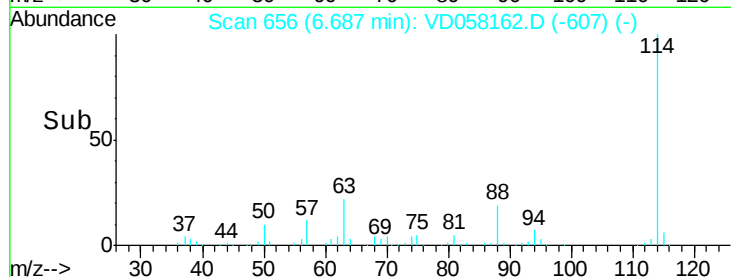
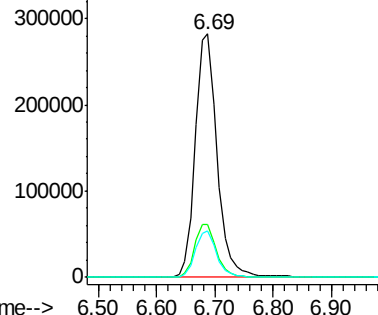
#34
 1,4-Difluorobenzene
 Concen: 50.000 ug/l
 RT: 6.69 min Scan# 656
 Delta R.T. -0.01 min
 Lab File: VD058162.D
 Acq: 15 Jun 2018 19:56

Instrument :
 MSVOA_D
 ClientSampleId :

Tot Ion:114 Resp: 733822
 Ion Ratio Lower Upper
 114 100
 63 21.7 0.0 42.8
 88 19.0 0.0 37.8

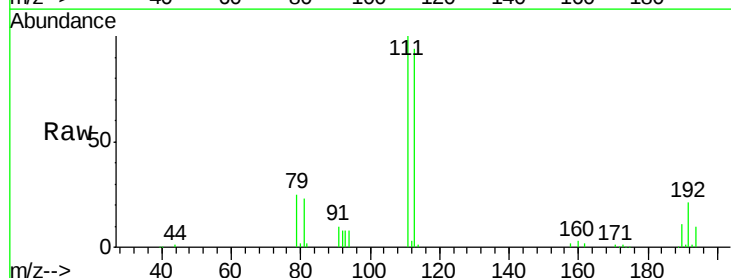


Abundance Ion 114.00 (113.70 to 114.70): V
 Ion 62.95 (62.65 to 63.65): VDC
 Ion 87.90 (87.60 to 88.60): VDC

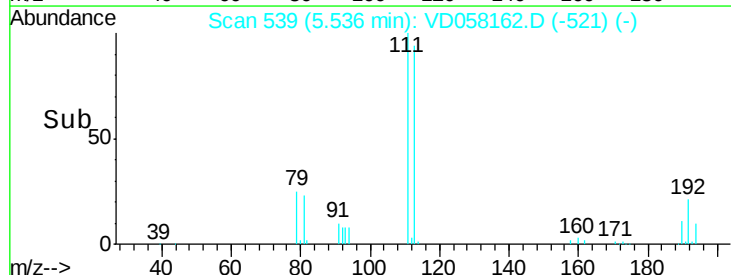
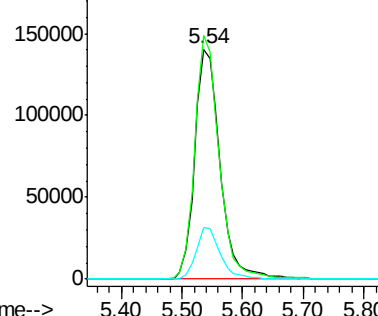


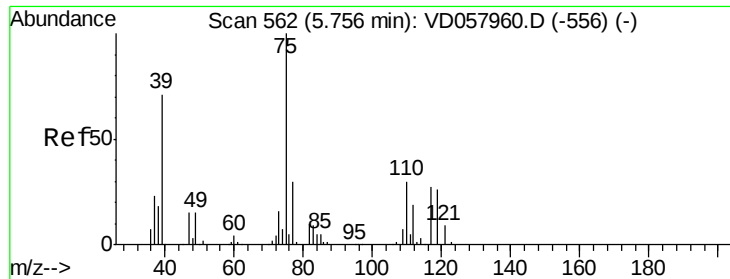
#35
 Dibromofluoromethane
 Concen: 50.000 ug/l
 RT: 5.54 min Scan# 539
 Delta R.T. -0.02 min
 Lab File: VD058162.D
 Acq: 15 Jun 2018 19:56

Tgt Ion:113 Resp: 409068
 Ion Ratio Lower Upper
 113 100
 111 106.0 81.5 122.3
 192 22.5 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: 5.597 ug/l

RT: 5.63 min Scan# 549

Delta R.T. -0.12 min

Lab File: VD058162.D

Acq: 15 Jun 2018 19:56

Instrument :

MSVOA_D

ClientSampleId :

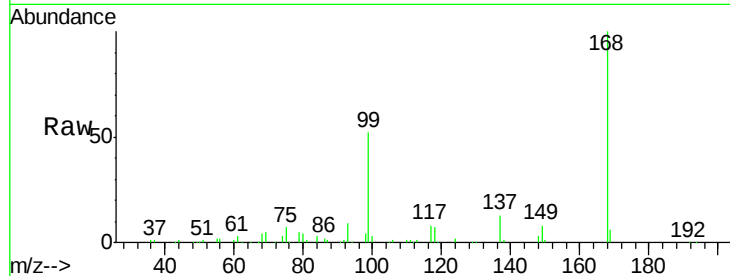
Tot Ion: 75 Resp: 45250

Ion Ratio Lower Upper

75 100

110 8.8 14.8 44.3#

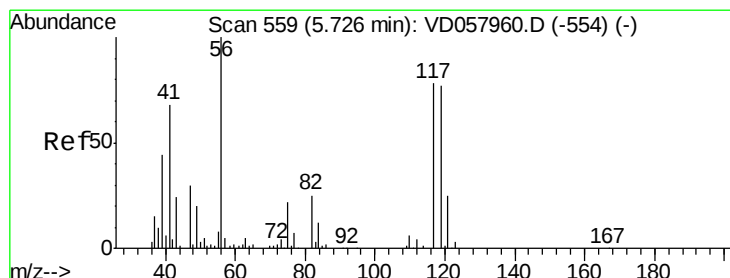
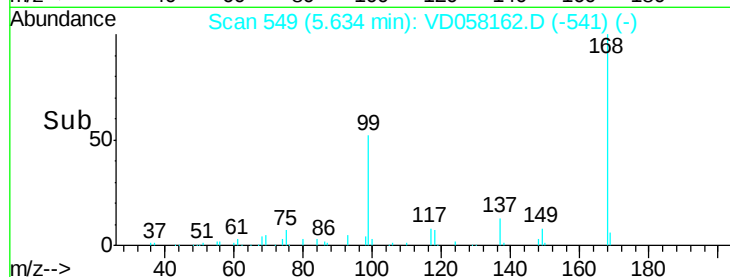
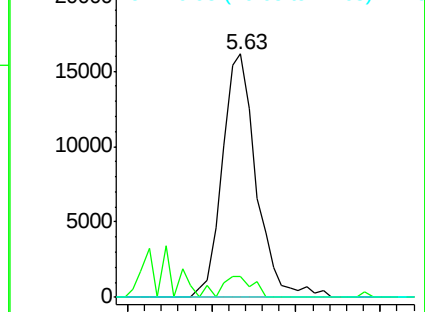
77 0.0 23.9 35.9#



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: 6.165 ug/l

RT: 5.64 min Scan# 550

Delta R.T. -0.08 min

Lab File: VD058162.D

Acq: 15 Jun 2018 19:56

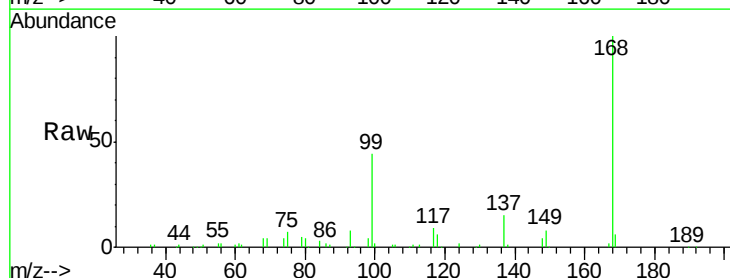
Tgt Ion: 117 Resp: 49121

Ion Ratio Lower Upper

117 100

119 4.6 76.1 114.1#

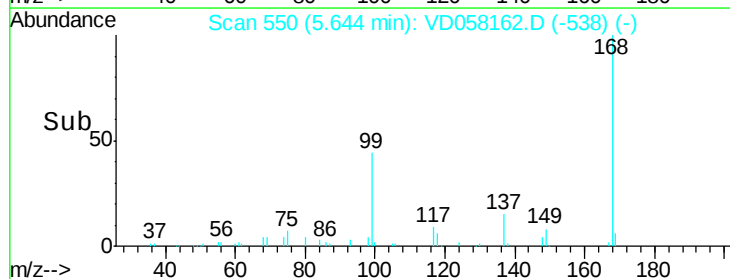
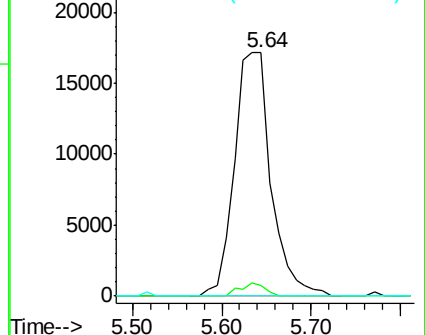
121 0.0 24.9 37.3#

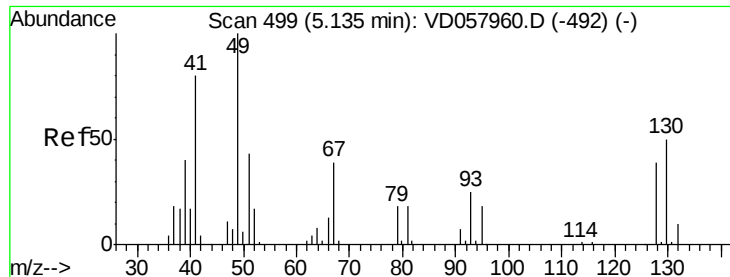


Abundance Ion 116.85 (116.55 to 117.55): V

Ion 118.85 (118.55 to 119.55): V

Ion 120.85 (120.55 to 121.55): V

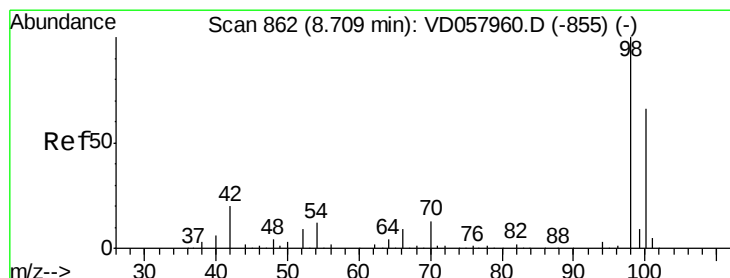
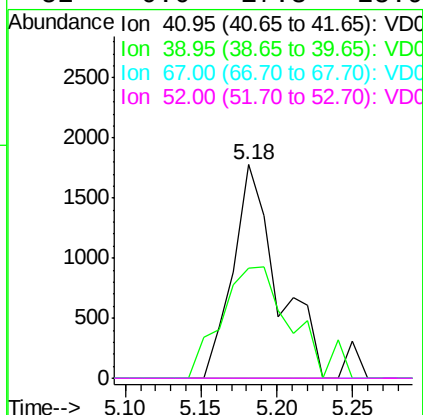
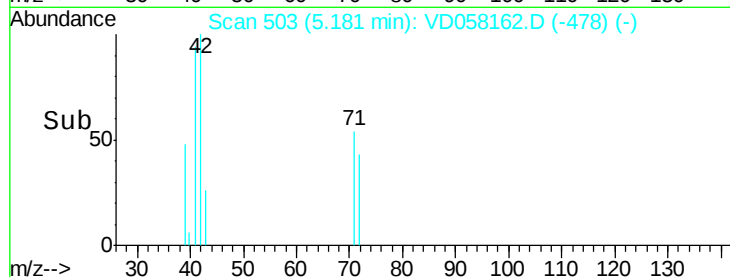
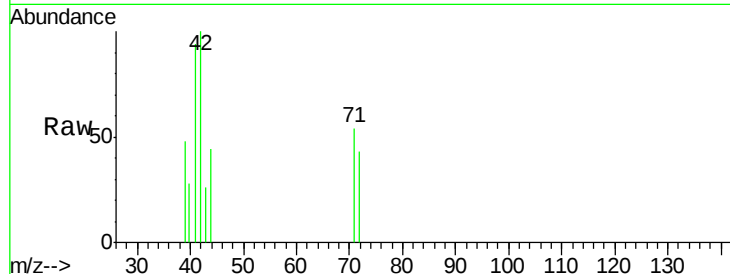




#41
Methacrylonitrile
Concen: 1.830 ug/l
RT: 5.18 min Scan# 503
Delta R.T. 0.05 min
Lab File: VD058162.D
Acq: 15 Jun 2018 19:56

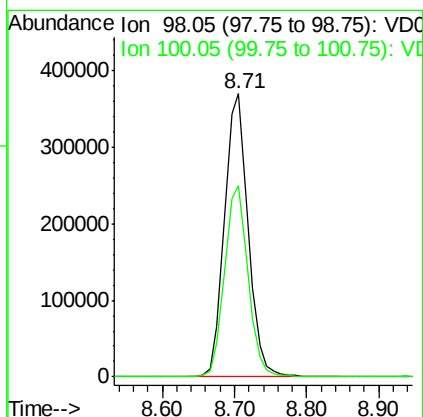
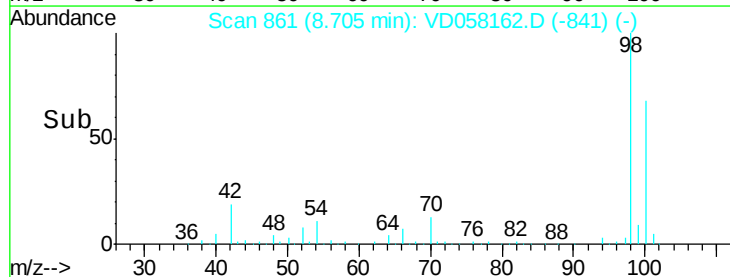
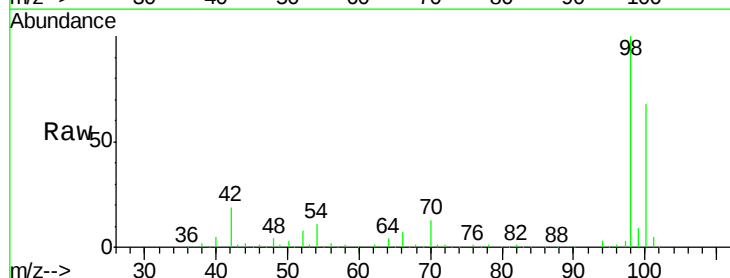
Instrument :
MSVOA_D
ClientSampleID :

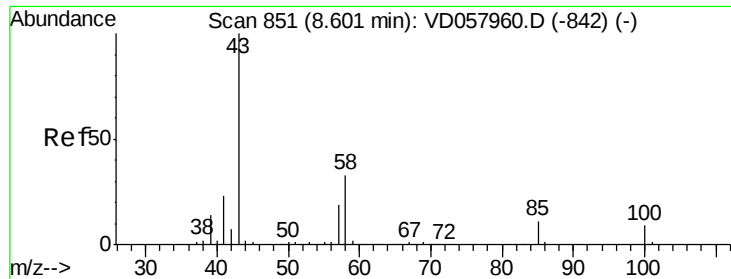
Tot Ion: 41 Resp: 3691
Ion Ratio Lower Upper
41 100
39 51.3 40.7 61.1
67 0.0 38.8 58.2#
52 0.0 17.3 25.9#



#50
Toluene-d8
Concen: N.D. ug/l
RT: 8.71 min Scan# 861
Delta R.T. -0.00 min
Lab File: VD058162.D
Acq: 15 Jun 2018 19:56

Tgt Ion: 98 Resp: 842842
Ion Ratio Lower Upper
98 100
100 67.8 53.4 80.0





#51

4-Methyl-2-Pentanone

Concen: 1.488 ug/l

RT: 8.71 min Scan# 861

Delta R.T. 0.10 min

Lab File: VD058162.D

Acq: 15 Jun 2018 19:56

Instrument :

MSVOA_D

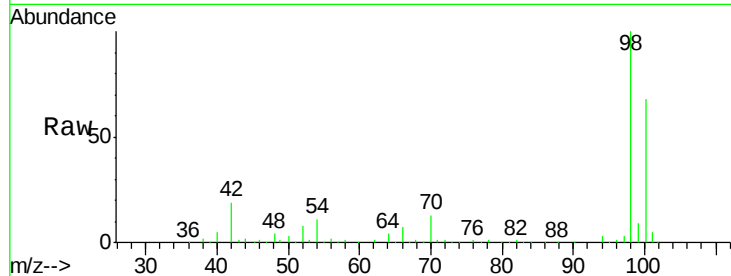
ClientSampled :

Tot Ion: 43 Resp: 5515

Ion Ratio Lower Upper

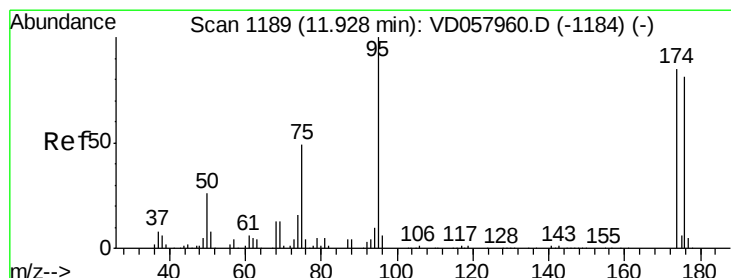
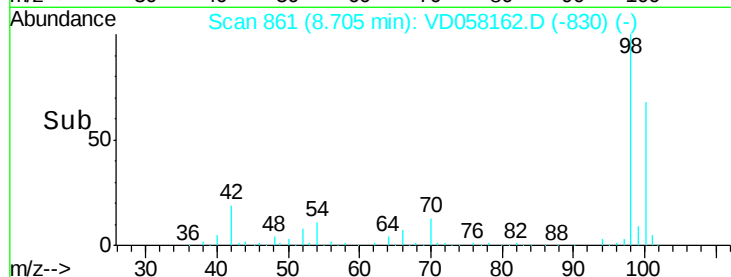
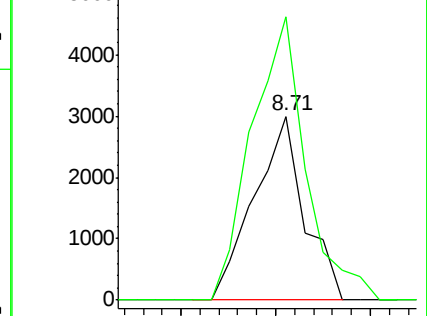
43 100

58 154.0 26.2 39.4#



Abundance Ion 42.95 (42.65 to 43.65): VDC

Ion 57.95 (57.65 to 58.65): VDC



#62

4-Bromofluorobenzene

Concen: N.D. ug/l

RT: 11.92 min Scan# 1188

Delta R.T. -0.00 min

Lab File: VD058162.D

Acq: 15 Jun 2018 19:56

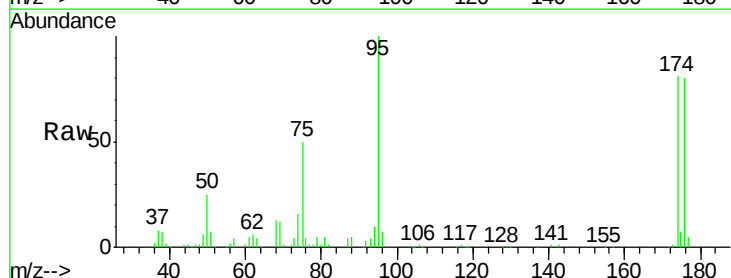
Tgt Ion: 95 Resp: 267265

Ion Ratio Lower Upper

95 100

174 80.6 0.0 169.4

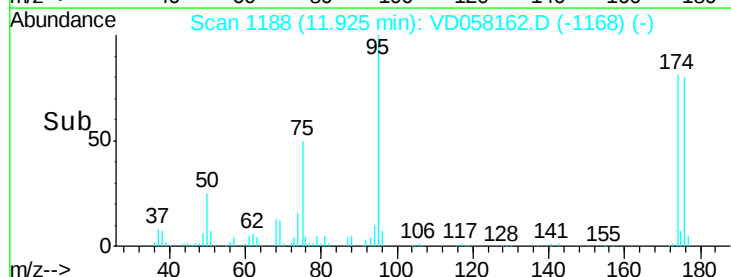
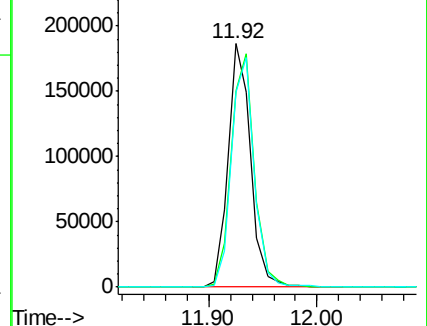
176 80.2 0.0 162.6

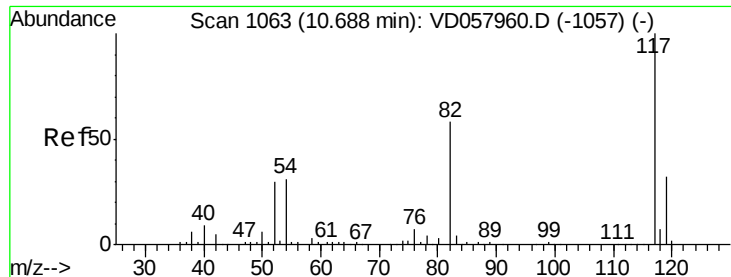


Abundance Ion 95.00 (94.70 to 95.70): VDC

Ion 173.90 (173.60 to 174.60): V

Ion 175.90 (175.60 to 176.60): V

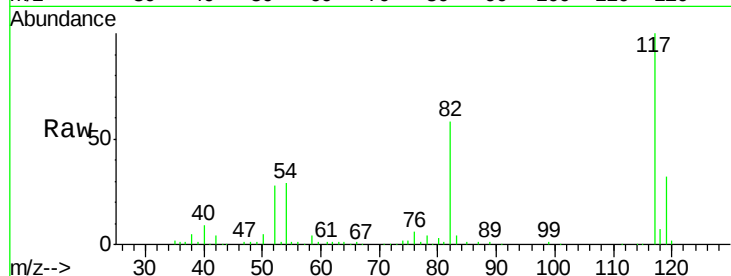




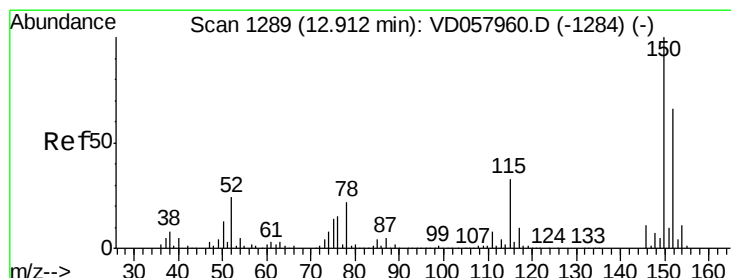
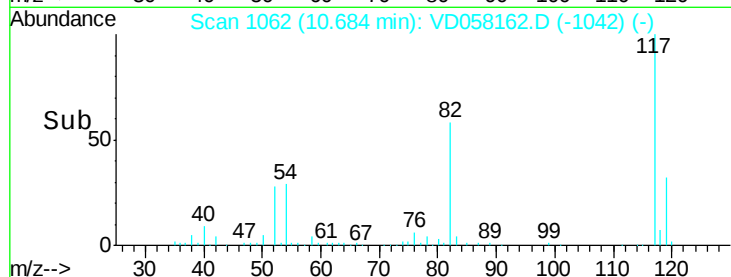
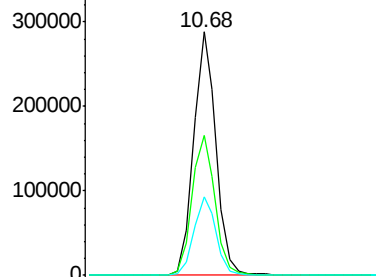
#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 10.68 min Scan# 1062
Delta R.T. -0.00 min
Lab File: VD058162.D
Acq: 15 Jun 2018 19:56

Instrument :
MSVOA_D
ClientSampleId :

Tot Ion:117 Resp: 511217
Ion Ratio Lower Upper
117 100
82 57.6 46.8 70.2
119 32.5 25.8 38.6

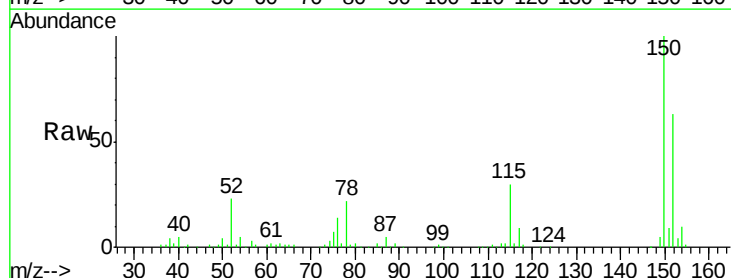


Abundance Ion 116.95 (116.65 to 117.65): V
Ion 82.05 (81.75 to 82.75): V
Ion 118.95 (118.65 to 119.65): V

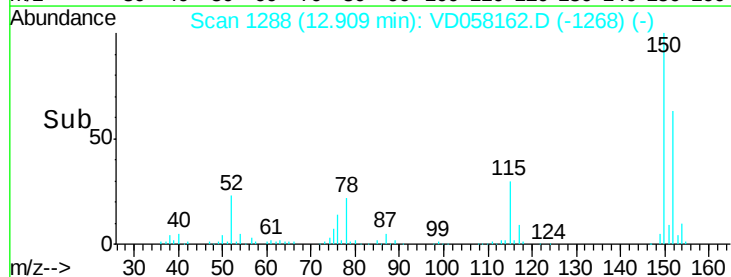
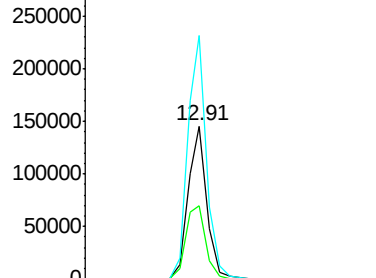


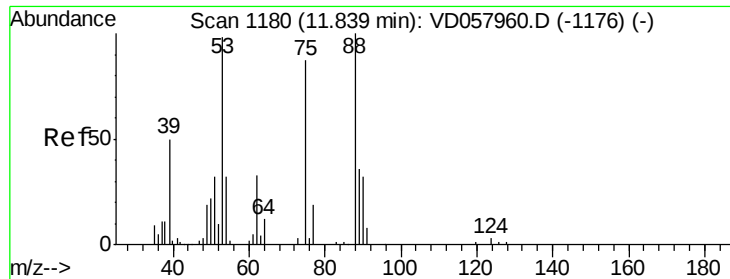
#72
1,4-Dichlorobenzene-d4
Concen: 50.000 ug/l
RT: 12.91 min Scan# 1288
Delta R.T. -0.00 min
Lab File: VD058162.D
Acq: 15 Jun 2018 19:56

Tgt Ion:152 Resp: 187925
Ion Ratio Lower Upper
152 100
115 47.7 25.6 76.6
150 159.3 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: 182.650 ug/l

RT: 11.92 min Scan# 1180

Delta R.T. 0.09 min

Lab File: VD058162.D

Acq: 15 Jun 2018 19:56

Instrument :

MSVOA_D

ClientSampled :

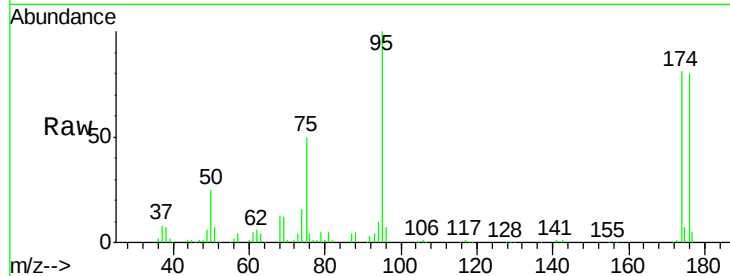
Tot Ion: 75 Resp: 127707

Ion Ratio Lower Upper

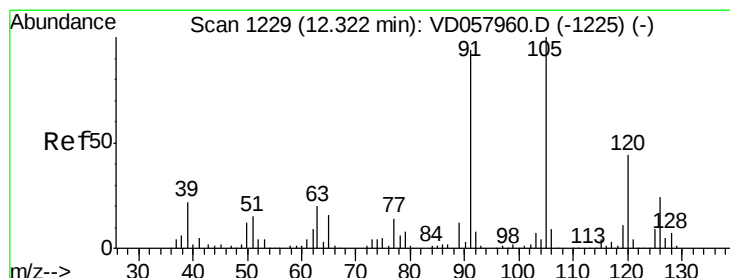
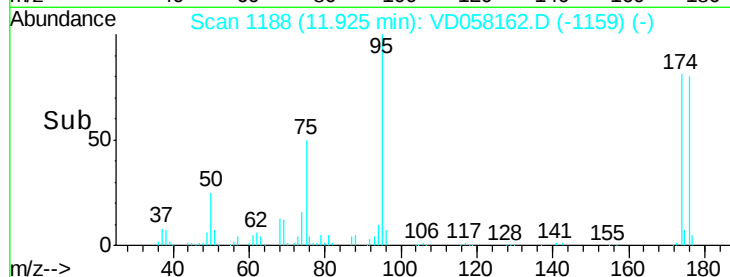
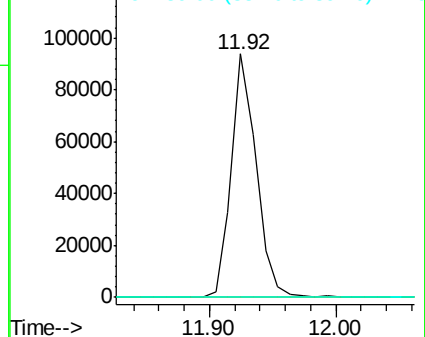
75 100

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. -0.00 min

Lab File: VD058162.D

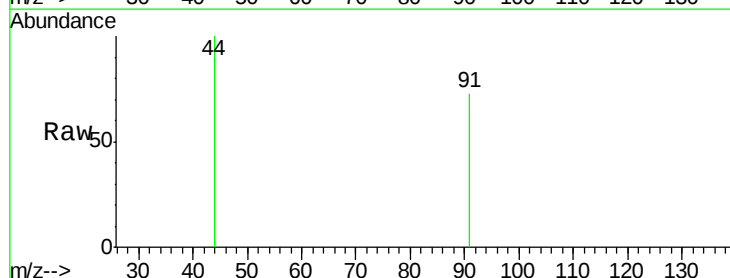
Acq: 15 Jun 2018 19:56

Tgt Ion: 91 Resp: 317

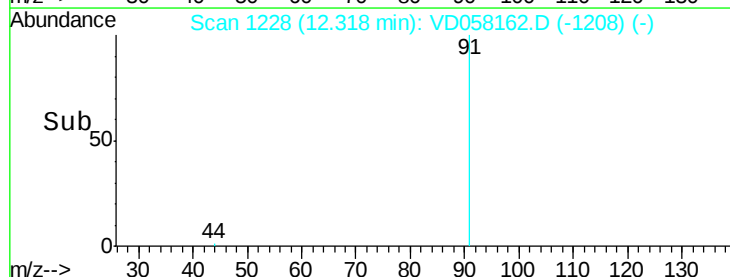
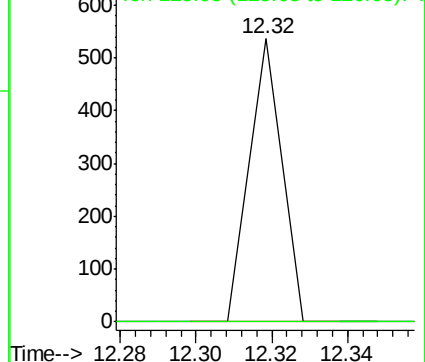
Ion Ratio Lower Upper

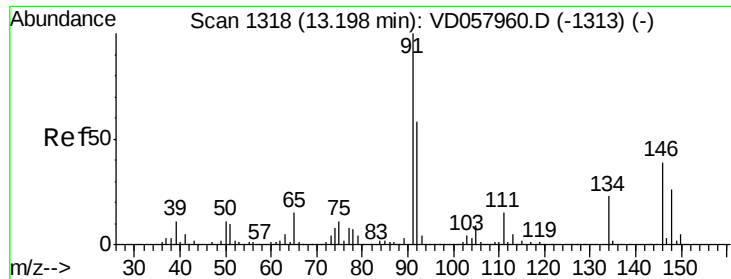
91 100

126 0.0 12.5 37.5#



Abundance Ion 91.00 (90.70 to 91.70): VDC
Ion 125.95 (125.65 to 126.65): V





#89

n-Butylbenzene

Concen: Below Cal

RT: 13.19 min Scan# 1317

Delta R.T. -0.00 min

Lab File: VD058162.D

Acq: 15 Jun 2018 19:56

Instrument :

MSVOA_D

ClientSampleId :

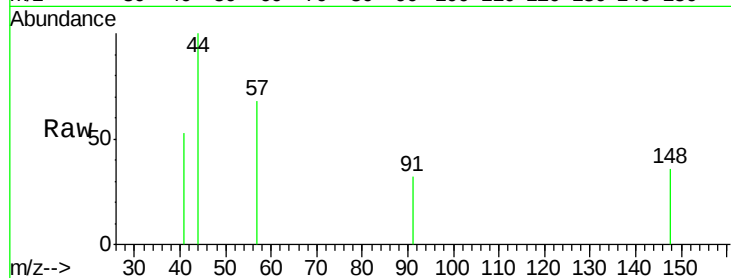
Tot Ion: 91 Resp: 181

Ion Ratio Lower Upper

91 100

92 0.0 29.2 87.6#

134 0.0 11.3 33.9#



Abundance Ion 91.00 (90.70 to 91.70): VDC

Ion 92.00 (91.70 to 92.70): VDC

Ion 134.10 (133.80 to 134.80): V

