

Data Path : Z:\VOASRV\HPCHEM1\MSVOA D\DATA\VD062818\
 Data File : VD059480.D
 Acq On : 28 Jun 2018 23:28
 Operator : VA/AP
 Sample : J3749-01
 Misc : 13.54g/5ml/MSVOA D/SOIL
 ALS Vial : 21 Sample Multiplier: 1

Instrument :
 MSVOA_D
 ClientSampleId :

Quant Time: Jun 29 01:29:49 2018
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_D\METHOD\82D062518S.M
 Quant Title : SW846 8260
 QLast Update : Mon Jun 25 07:29:35 2018
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Pentafluorobenzene	5.65	168	495977	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	6.69	114	639792	50.00	ug/l	0.00
63) Chlorobenzene-d5	10.69	117	465883	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	12.91	152	146793	50.00	ug/l	0.00

System Monitoring Compounds	R.T.	QIon	Response	Conc	Units	Dev(Min)
33) 1,2-Dichloroethane-d4	6.02	65	230238	45.39	ug/l	0.00
Spiked Amount			Recovery	=	90.78%	
35) Dibromofluoromethane	5.55	113	256682	49.25	ug/l	0.00
Spiked Amount			Recovery	=	98.50%	
50) Toluene-d8	8.71	98	434754	35.69	ug/l	0.00
Spiked Amount			Recovery	=	71.38%	
62) 4-Bromofluorobenzene	11.93	95	148439	29.29	ug/l	0.00
Spiked Amount			Recovery	=	58.58%	

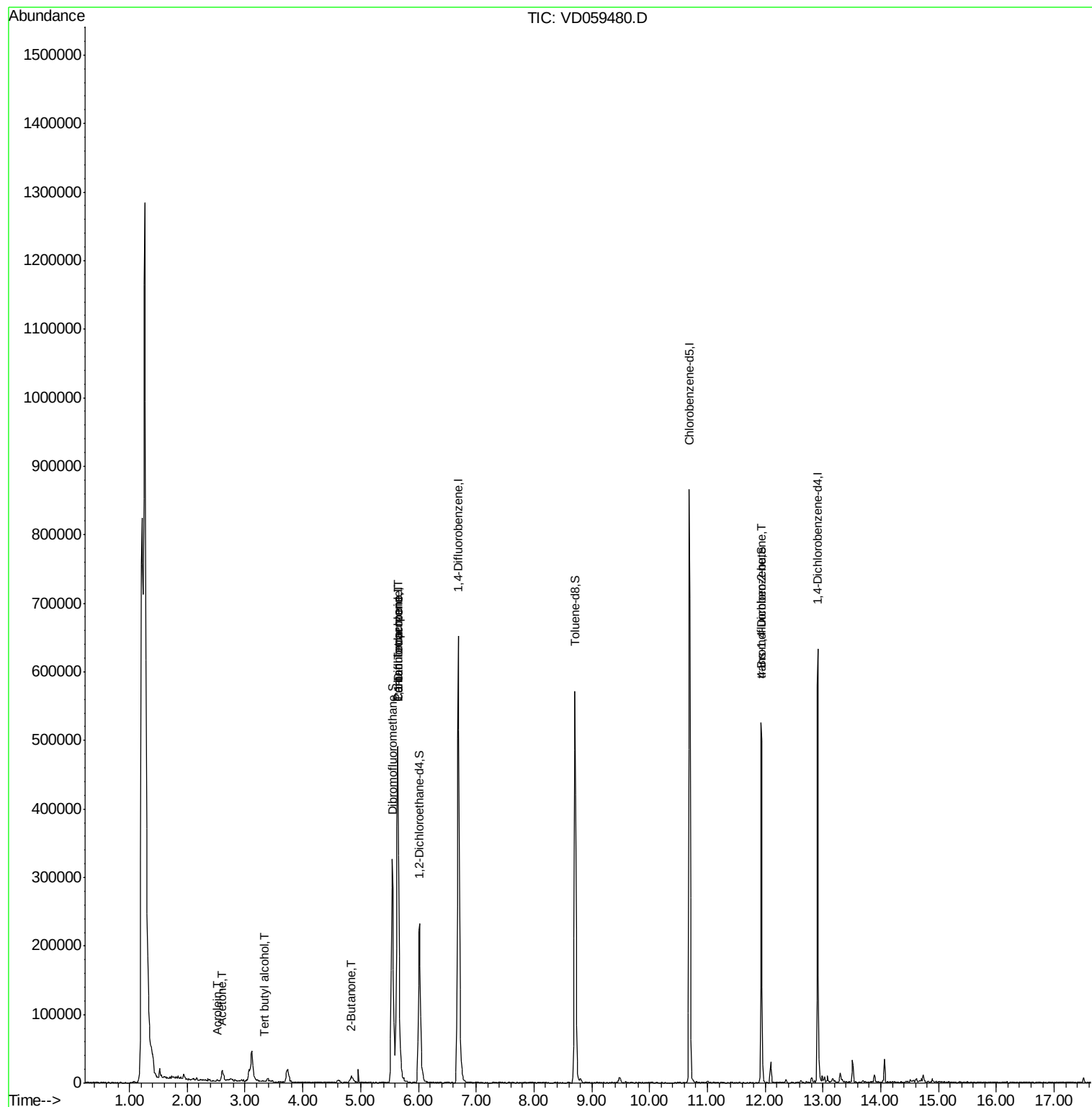
Target Compounds	R.T.	QIon	Response	Conc	Units	Qvalue
5) Bromomethane	1.87	94	198	Below Cal	#	4
11) Tert butyl alcohol	3.33	59	178	1.014	ug/l #	72
13) Acrolein	2.52	56	186	1.186	ug/l #	16
16) Acetone	2.61	43	31131	48.632	ug/l	95
18) Methyl Acetate	2.92	43	1542	Below Cal	#	66
25) 2-Butanone	4.84	43	7293	5.439	ug/l #	54
31) Cyclohexane	5.64	56	11274	Below Cal	#	1
36) 1,1-Dichloropropene	5.65	75	42259	7.281	ug/l #	49
38) Carbon Tetrachloride	5.64	117	40921	6.839	ug/l #	15
81) trans-1,4-Dichloro-2-buten	11.93	75	71377	155.095	ug/l #	1

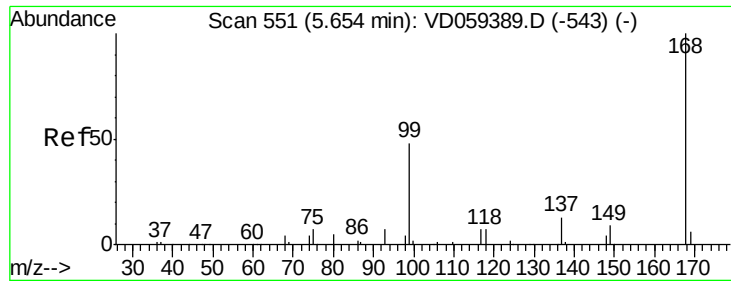
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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#1

Pentafluorobenzene

Concen: 50.000 ug/l

RT: 5.65 min Scan# 551

Delta R.T. -0.01 min

Lab File: VD059480.D

Acq: 28 Jun 2018 23:28

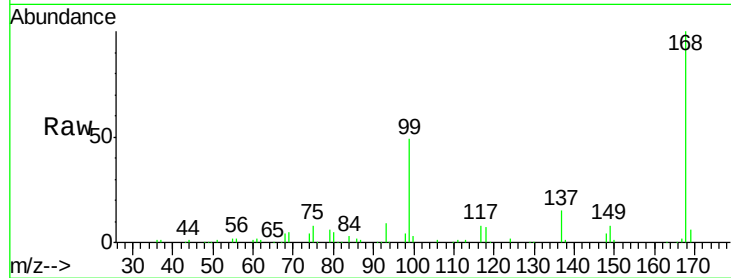
Instrument :
MSVOA_D
ClientSampled :

Tot Ion:168 Resp: 495977

Ion Ratio Lower Upper

168 100

99 49.4 41.0 61.6



Abundance Ion 167.90 (167.60 to 168.60): V

Ion 98.95 (98.65 to 99.65): VDC

5.65

200000

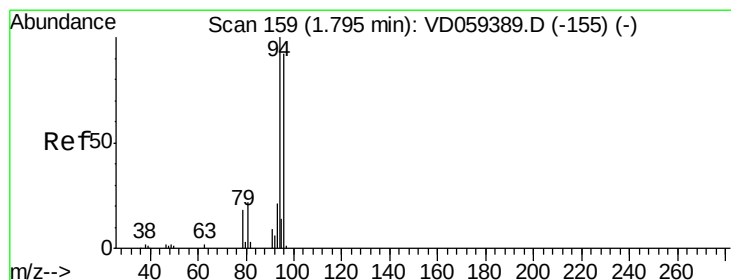
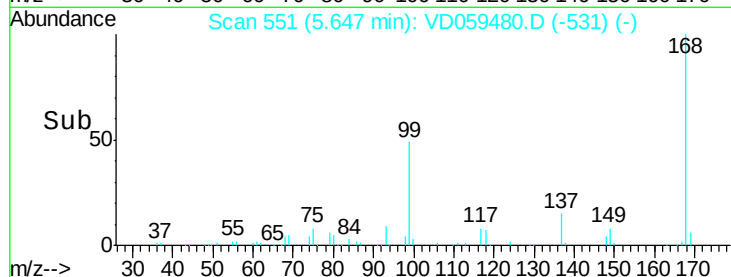
150000

100000

50000

0

Time-->



#5

Bromomethane

Concen: Below Cal

RT: 1.87 min Scan# 167

Delta R.T. 0.07 min

Lab File: VD059480.D

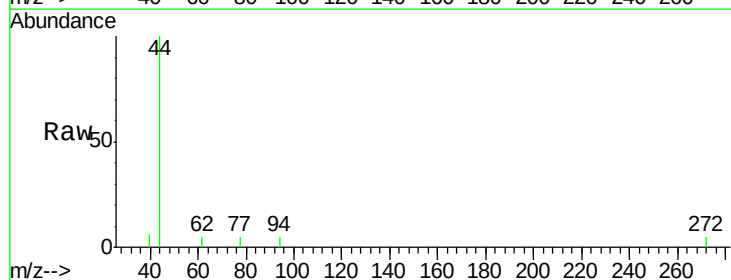
Acq: 28 Jun 2018 23:28

Tgt Ion: 94 Resp: 198

Ion Ratio Lower Upper

94 100

96 0.0 73.4 110.0#



Abundance Ion 93.90 (93.60 to 94.60): VDC

Ion 95.90 (95.60 to 96.60): VDC

1.87

400

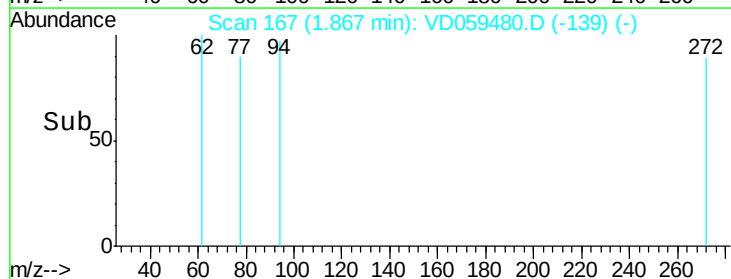
300

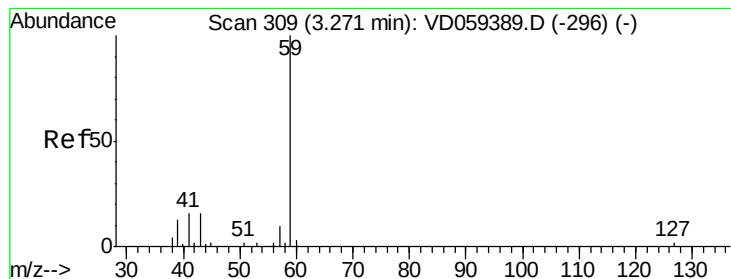
200

100

0

Time-->



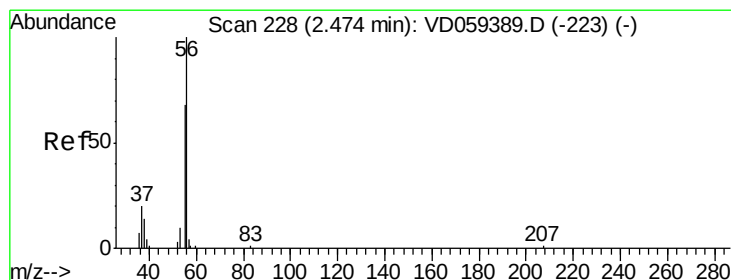
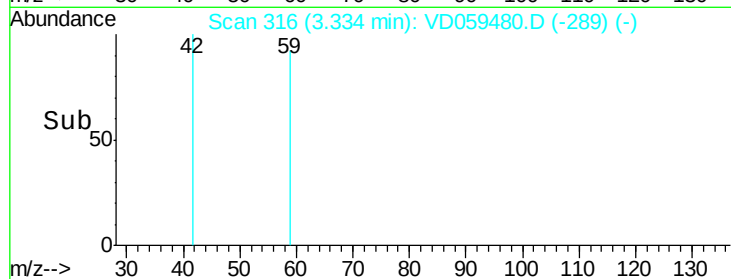
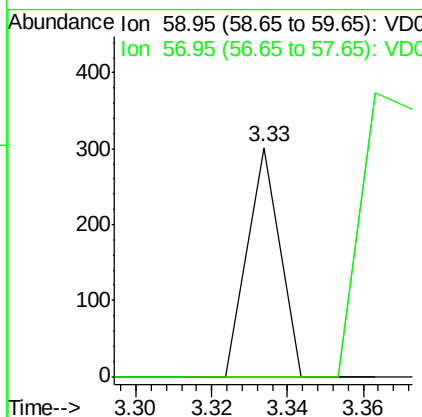
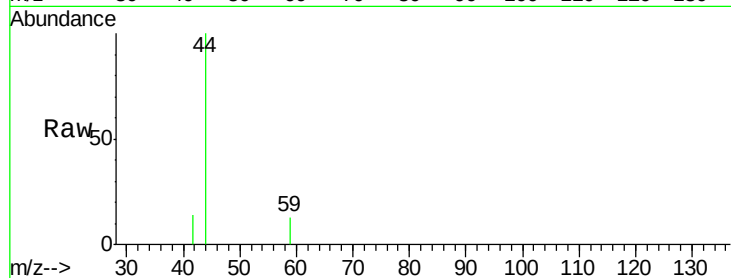


#11

Tert butyl alcohol
Concen: 1.014 ug/l
RT: 3.33 min Scan# 316
Delta R.T. 0.06 min
Lab File: VD059480.D
Acq: 28 Jun 2018 23:28

Instrument :
MSVOA_D
ClientSampled :

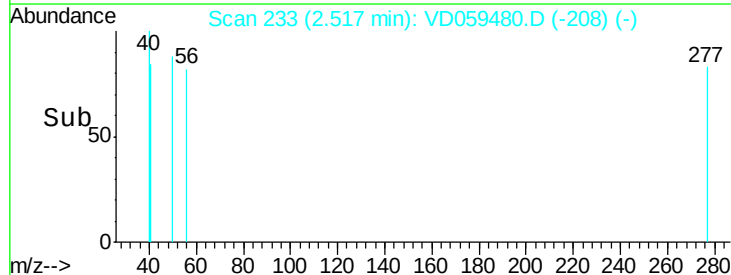
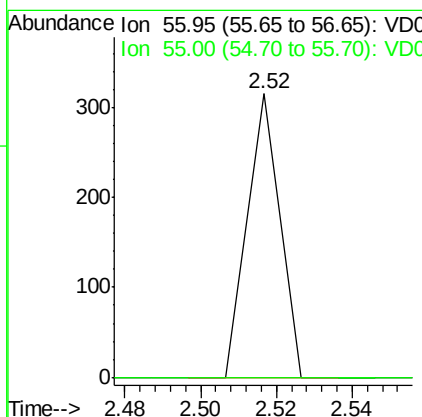
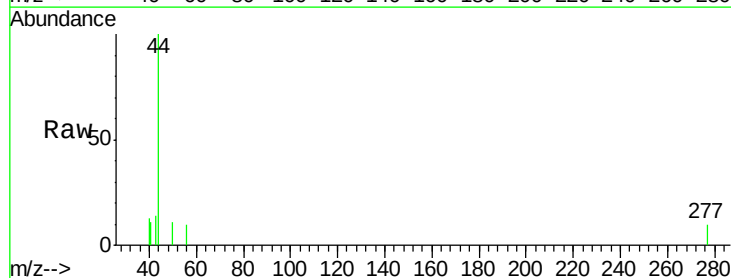
Tot Ion: 59 Resp: 178
Ion Ratio Lower Upper
59 100
57 0.0 8.3 12.5#

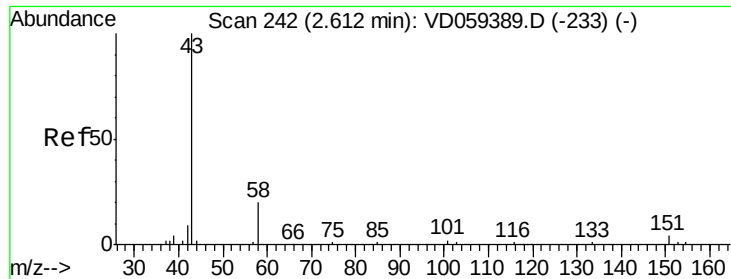


#13

Acrolein
Concen: 1.186 ug/l
RT: 2.52 min Scan# 233
Delta R.T. 0.04 min
Lab File: VD059480.D
Acq: 28 Jun 2018 23:28

Tgt Ion: 56 Resp: 186
Ion Ratio Lower Upper
56 100
55 0.0 54.6 82.0#





#16

Acetone

Concen: 48.632 ug/l

RT: 2.61 min Scan# 242

Delta R.T. -0.01 min

Lab File: VD059480.D

Acq: 28 Jun 2018 23:28

Instrument :

MSVOA_D

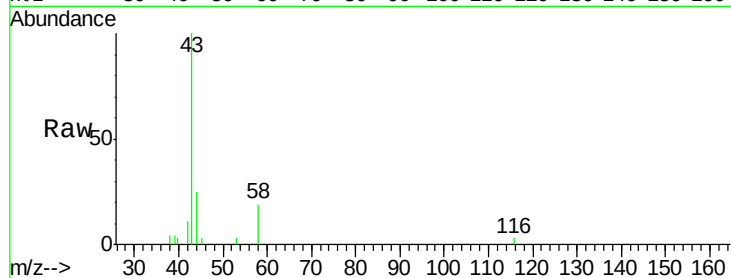
ClientSampleId :

Tot Ion: 43 Resp: 31131

Ion Ratio Lower Upper

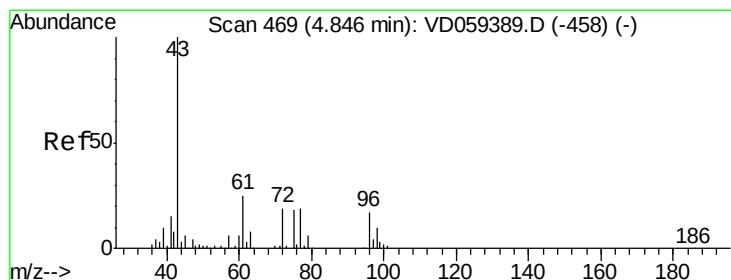
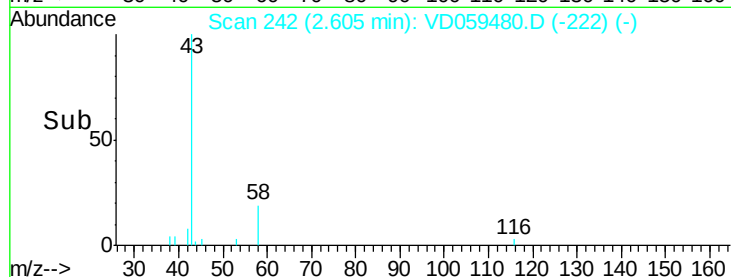
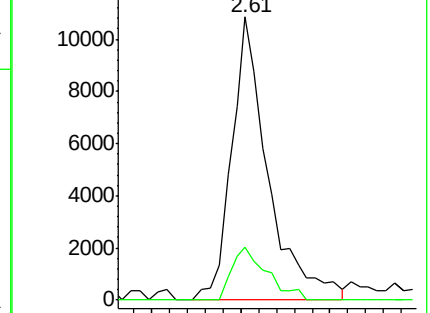
43 100

58 18.7 16.8 25.2



Abundance Ion 42.95 (42.65 to 43.65): VDC

Ion 57.95 (57.65 to 58.65): VDC



#25

2-Butanone

Concen: 5.439 ug/l

RT: 4.84 min Scan# 469

Delta R.T. -0.01 min

Lab File: VD059480.D

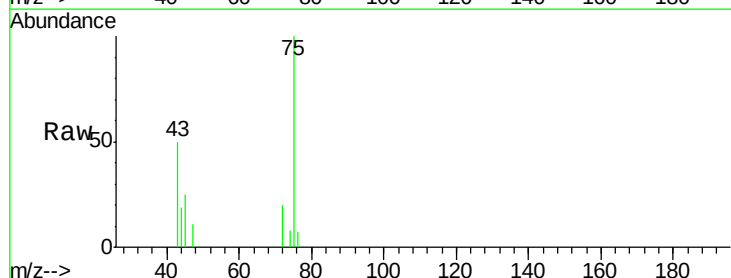
Acq: 28 Jun 2018 23:28

Tgt Ion: 43 Resp: 7293

Ion Ratio Lower Upper

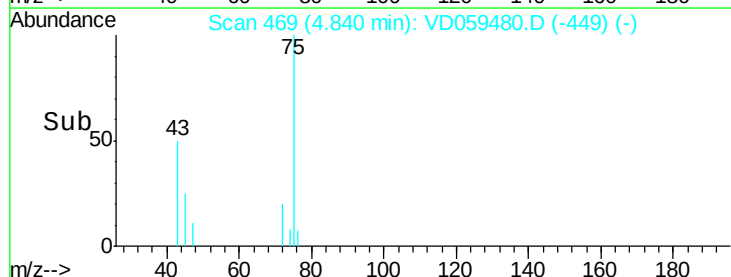
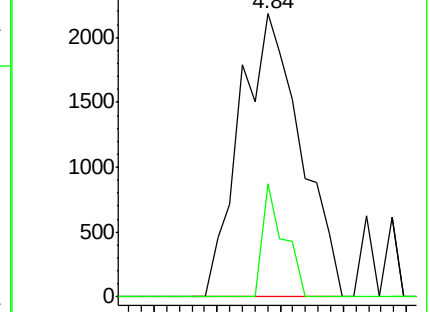
43 100

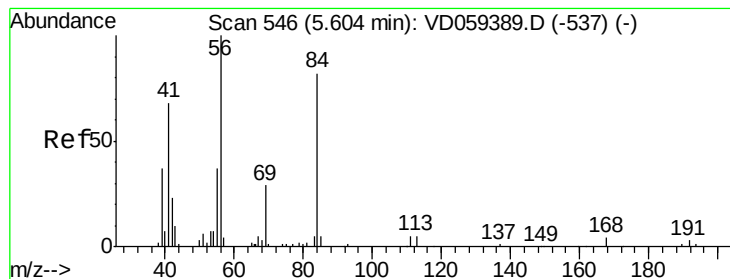
72 40.0 15.4 23.2#



Abundance Ion 42.95 (42.65 to 43.65): VDC

Ion 72.00 (71.70 to 72.70): VDC





#31

Cyclohexane

Concen: Below Cal

RT: 5.64 min Scan# 550

Delta R.T. 0.03 min

Lab File: VD059480.D

Acq: 28 Jun 2018 23:28

Instrument :

MSVOA_D

ClientSampleId :

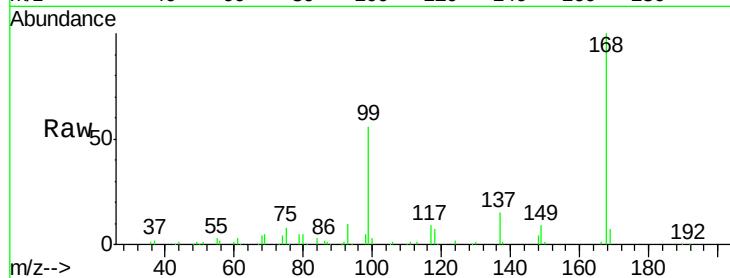
Tot Ion: 56 Resp: 11274

Ion Ratio Lower Upper

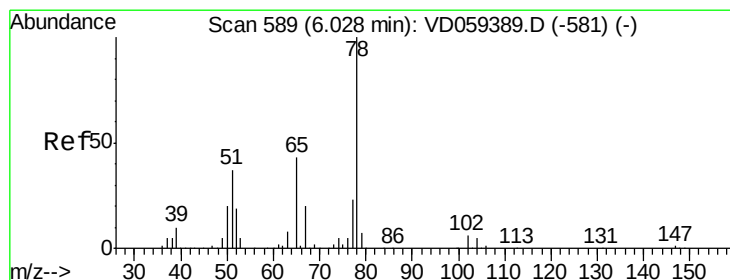
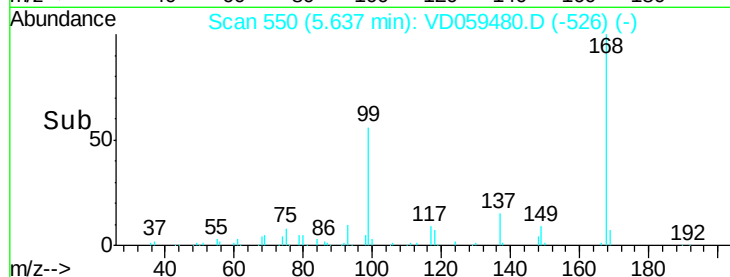
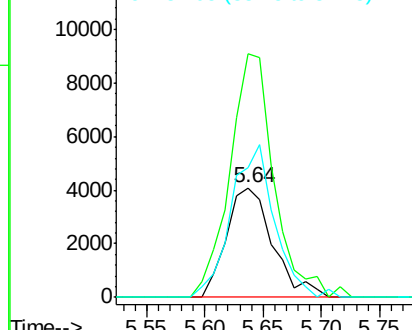
56 100

69 222.4 22.9 34.3#

84 118.7 67.3 100.9#



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: Below ug/l

RT: 6.02 min Scan# 589

Delta R.T. -0.01 min

Lab File: VD059480.D

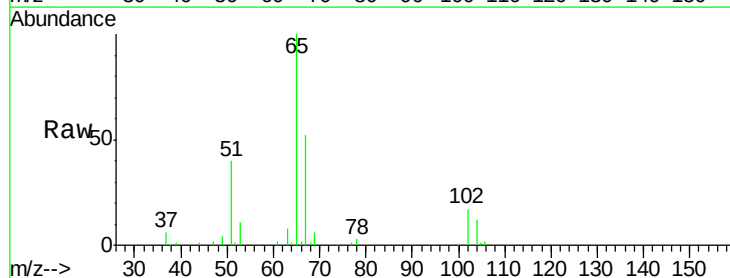
Acq: 28 Jun 2018 23:28

Tgt Ion: 65 Resp: 230238

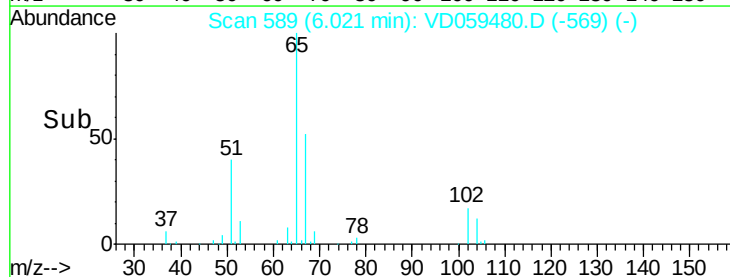
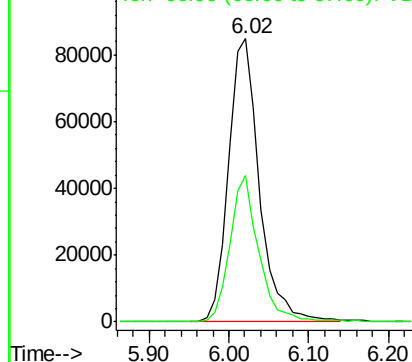
Ion Ratio Lower Upper

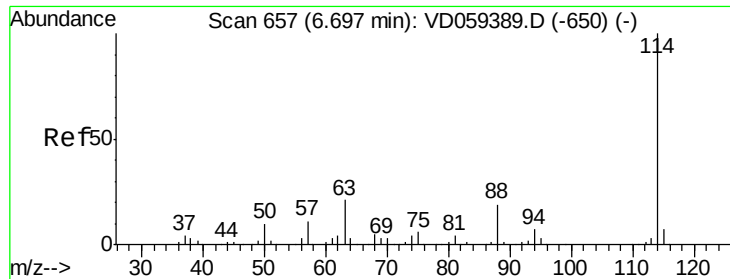
65 100

67 51.8 0.0 93.8



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# 657

Delta R.T. -0.01 min

Lab File: VD059480.D

Acq: 28 Jun 2018 23:28

Instrument :

MSVOA_D

ClientSampleId :

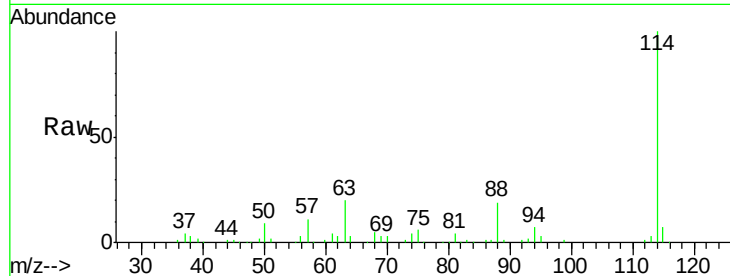
Tot Ion:114 Resp: 639792

Ion Ratio Lower Upper

114 100

63 20.5 0.0 42.4

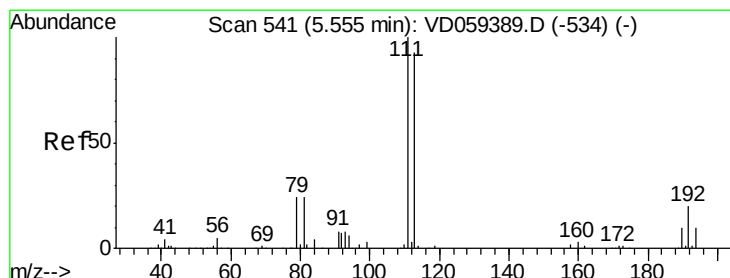
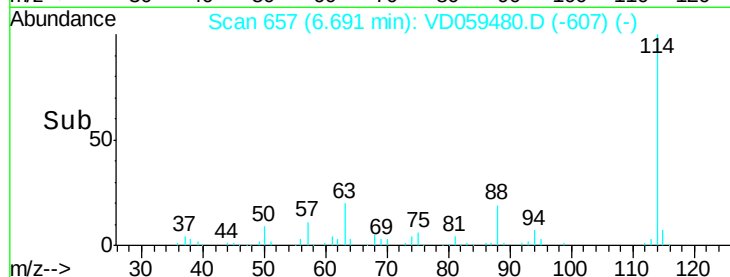
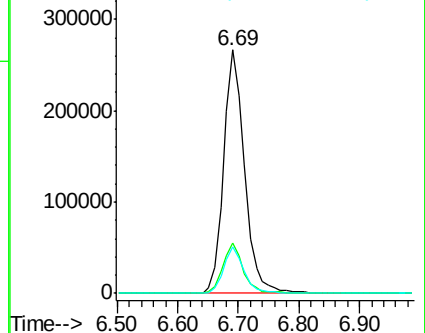
88 19.0 0.0 38.0



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: 5.55 min Scan# 541

Delta R.T. -0.01 min

Lab File: VD059480.D

Acq: 28 Jun 2018 23:28

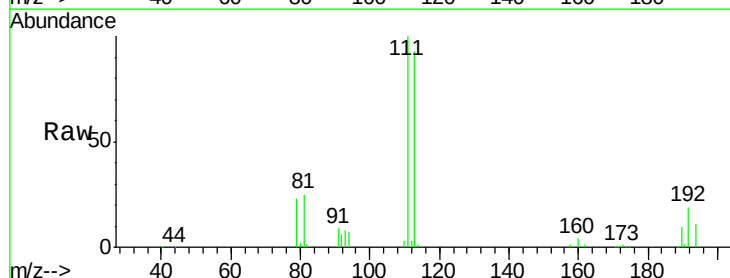
Tgt Ion:113 Resp: 256682

Ion Ratio Lower Upper

113 100

111 107.0 85.7 128.5

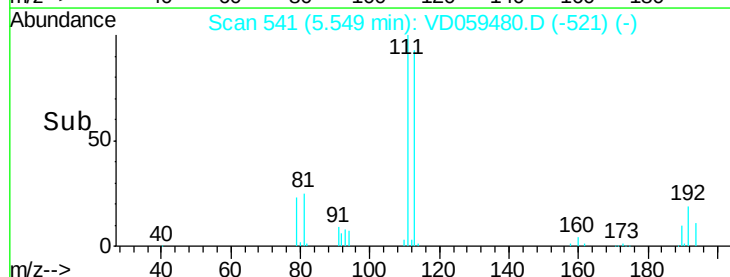
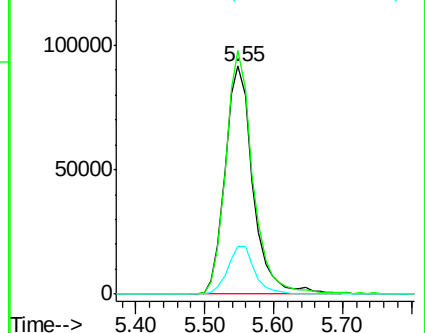
192 20.8 16.9 25.3

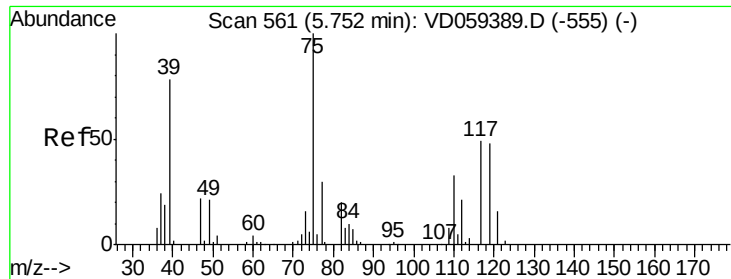


Abundance Ion 112.90 (112.60 to 113.60): V

Ion 110.90 (110.60 to 111.60): V

Ion 191.80 (191.50 to 192.50): V

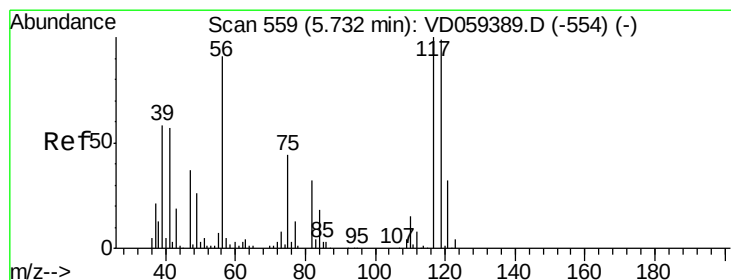
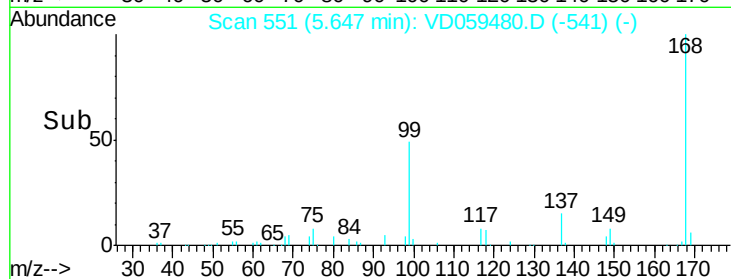
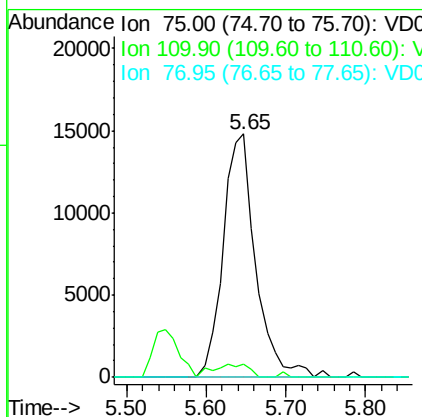
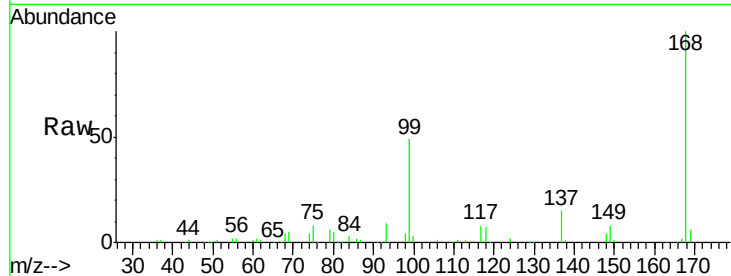




#36
 1,1-Dichloropropene
 Concen: 7.281 ug/l
 RT: 5.65 min Scan# 551
 Delta R.T. -0.11 min
 Lab File: VD059480.D
 Acq: 28 Jun 2018 23:28

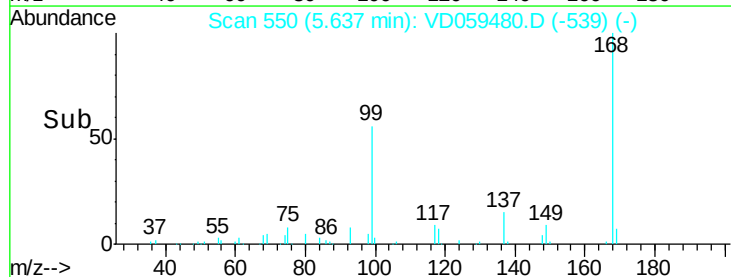
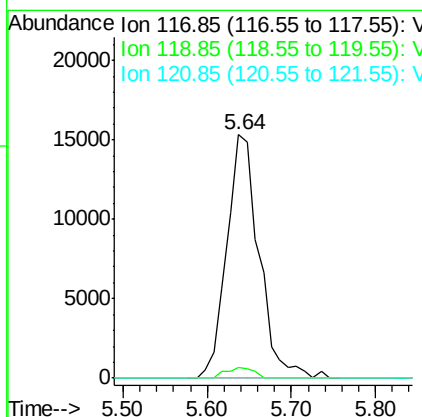
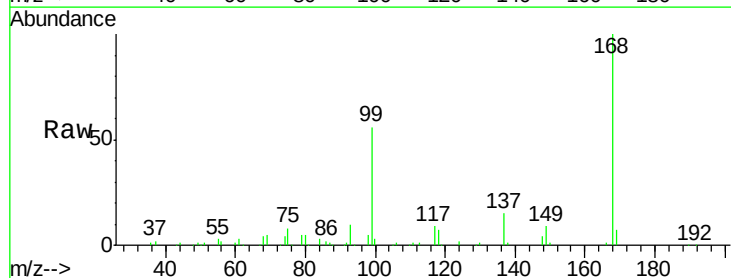
Instrument :
 MSVOA_D
 ClientSampleId :

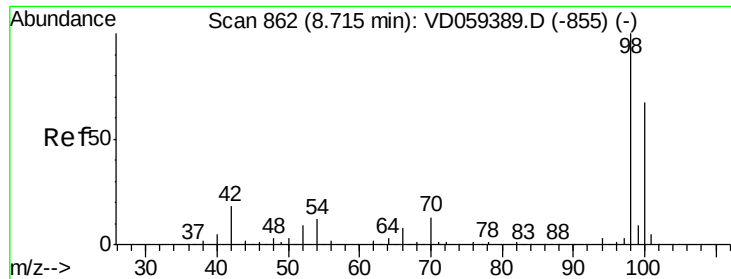
Tot Ion	Ratio	Lower	Upper
75	100		
110	5.5	16.1	48.2#
77	0.0	23.4	35.2#



#38
 Carbon Tetrachloride
 Concen: 6.839 ug/l
 RT: 5.64 min Scan# 550
 Delta R.T. -0.10 min
 Lab File: VD059480.D
 Acq: 28 Jun 2018 23:28

Tgt Ion	Ratio	Lower	Upper
117	100		
119	4.4	76.6	115.0#
121	0.0	25.0	37.4#

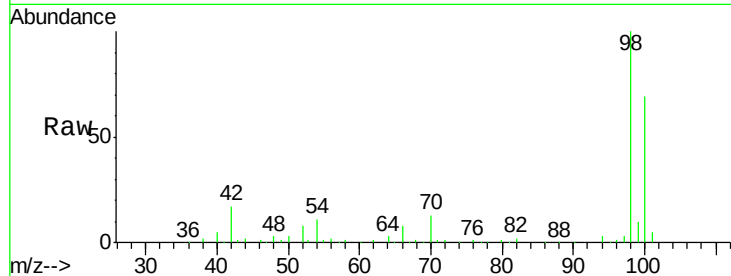




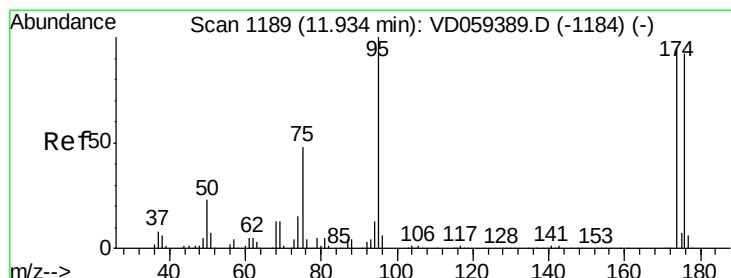
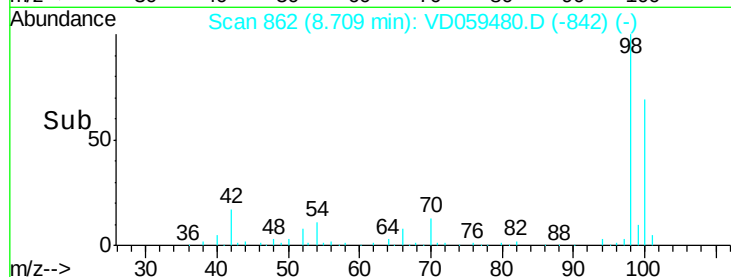
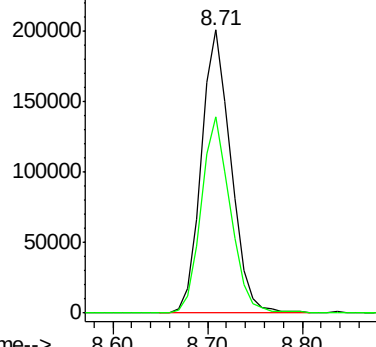
#50
Toluene-d8
Concen: N.D. ug/l
RT: 8.71 min Scan# 862
Delta R.T. -0.01 min
Lab File: VD059480.D
Acq: 28 Jun 2018 23:28

Instrument :
MSVOA_D
ClientSampleId :

Tot Ion: 98 Resp: 434754
Ion Ratio Lower Upper
98 100
100 69.3 54.4 81.6

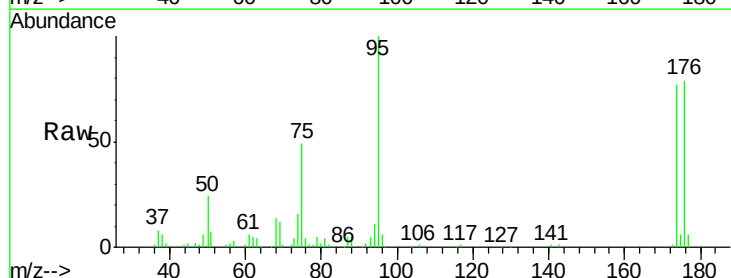


Abundance Ion 98.05 (97.75 to 98.75): VD059389.D (-855) (-)
Ion 100.05 (99.75 to 100.75): VD059389.D (-855) (-)

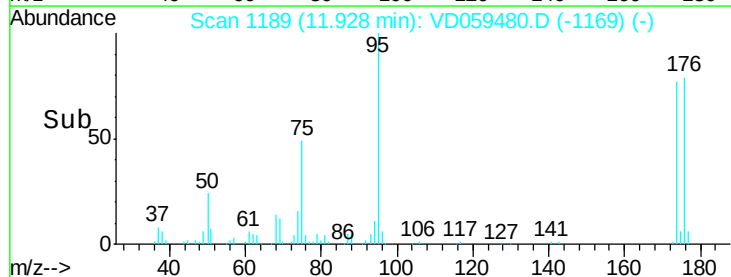
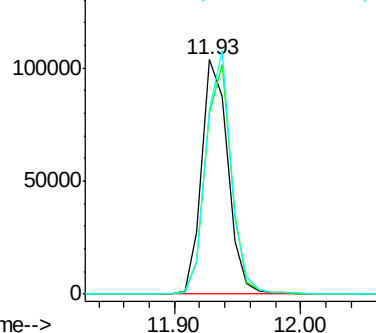


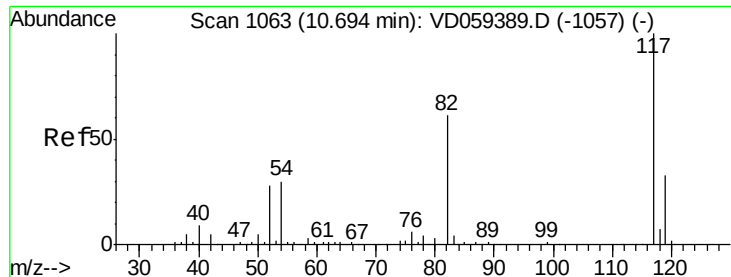
#62
4-Bromofluorobenzene
Concen: N.D. ug/l
RT: 11.93 min Scan# 1189
Delta R.T. -0.01 min
Lab File: VD059480.D
Acq: 28 Jun 2018 23:28

Tgt Ion: 95 Resp: 148439
Ion Ratio Lower Upper
95 100
174 77.1 0.0 190.4
176 78.6 0.0 183.2



Abundance Ion 95.00 (94.70 to 95.70): VD059389.D (-1184) (-)
Ion 173.90 (173.60 to 174.60): VD059389.D (-1184) (-)
Ion 175.90 (175.60 to 176.60): VD059389.D (-1184) (-)

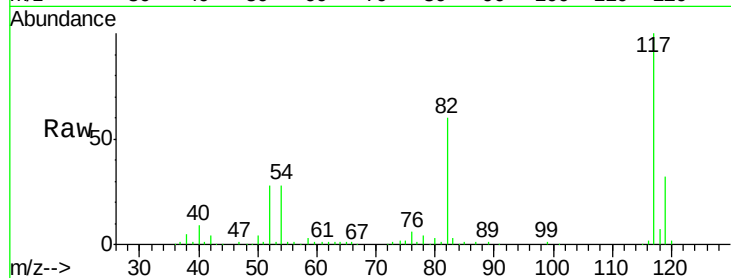




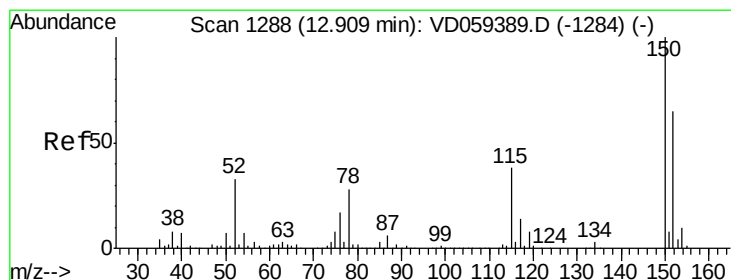
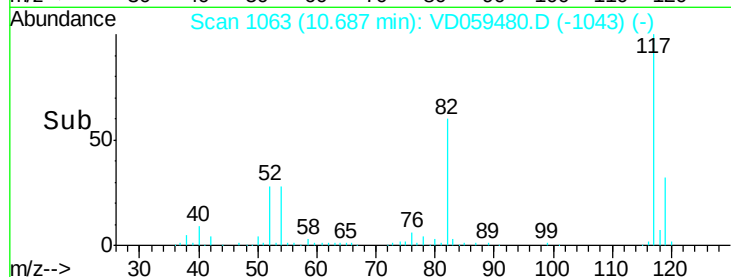
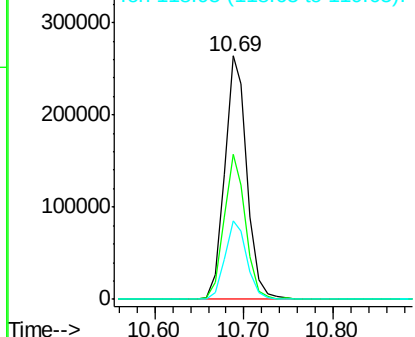
#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 10.69 min Scan# 1063
Delta R.T. -0.01 min
Lab File: VD059480.D
Acq: 28 Jun 2018 23:28

Instrument :
MSVOA_D
ClientSampleId :

Tot Ion:117 Resp: 465883
Ion Ratio Lower Upper
117 100
82 59.7 49.0 73.6
119 32.2 26.2 39.4

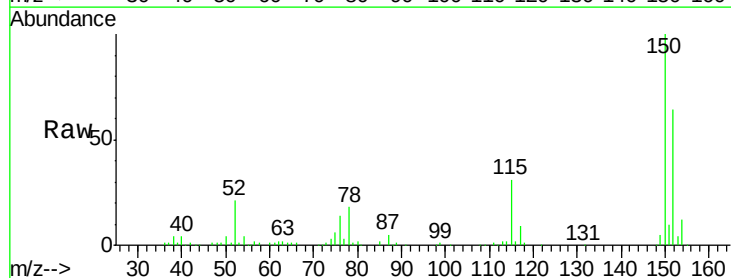


Abundance Ion 116.95 (116.65 to 117.65): V
Ion 82.05 (81.75 to 82.75): V
Ion 118.95 (118.65 to 119.65): V

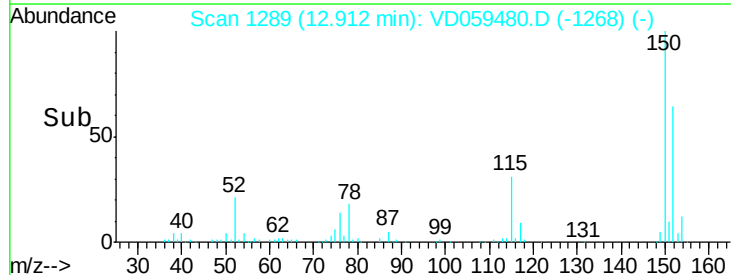
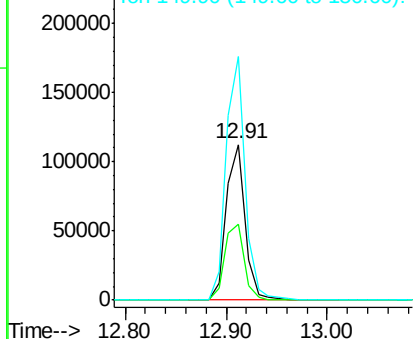


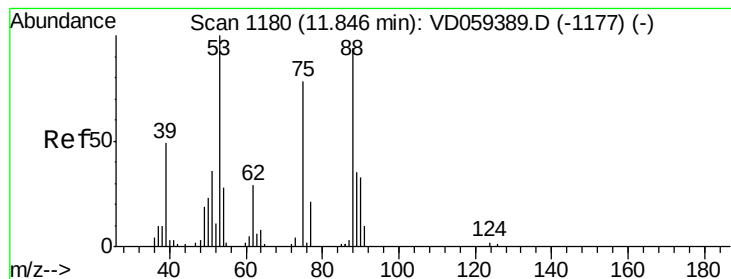
#72
1,4-Dichlorobenzene-d4
Concen: 50.000 ug/l
RT: 12.91 min Scan# 1289
Delta R.T. 0.00 min
Lab File: VD059480.D
Acq: 28 Jun 2018 23:28

Tgt Ion:152 Resp: 146793
Ion Ratio Lower Upper
152 100
115 48.5 29.4 88.3
150 156.4 0.0 308.2



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: 155.095 ug/l

RT: 11.93 min Scan# 1189

Delta R.T. 0.08 min

Lab File: VD059480.D

Acq: 28 Jun 2018 23:28

Instrument :

MSVOA_D

ClientSampleId :

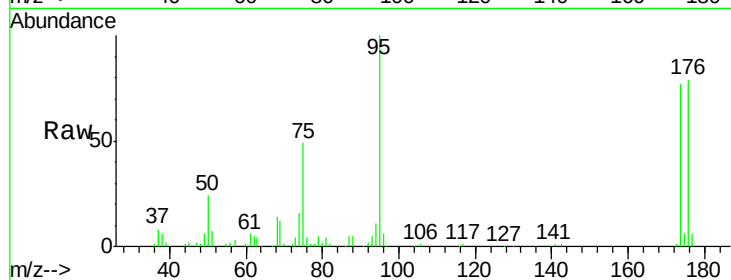
Tot Ion: 75 Resp: 71377

Ion Ratio Lower Upper

75 100

53 0.0 102.6 154.0#

89 0.0 35.9 53.9#



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

