

Data Path : Z:\VOASRV\HPCHEM1\MSVOA D\DATA\VD062518\
 Data File : VD059401.D
 Acq On : 25 Jun 2018 16:16
 Operator : VA/AP
 Sample : J3669-01
 Misc : 6.54g/5ml/MSVOA D/SOIL
 ALS Vial : 8 Sample Multiplier: 1

Instrument :
 MSVOA_D
 ClientSampleId :

Quant Time: Jun 26 06:46:58 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	5.64	168	725746	50.00	ug/l	-0.02
34) 1,4-Difluorobenzene	6.68	114	922080	50.00	ug/l	-0.02
63) Chlorobenzene-d5	10.68	117	759097	50.00	ug/l	-0.02
72) 1,4-Dichlorobenzene-d4	12.90	152	433436	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	305976	41.23	ug/l	-0.02
Spiked Amount			Recovery	=	82.46%	
35) Dibromofluoromethane	5.54	113	323842	43.12	ug/l	-0.02
Spiked Amount			Recovery	=	86.24%	
50) Toluene-d8	8.70	98	719730	40.99	ug/l	-0.02
Spiked Amount			Recovery	=	81.98%	
62) 4-Bromofluorobenzene	11.93	95	324040	44.37	ug/l	0.00
Spiked Amount			Recovery	=	88.74%	

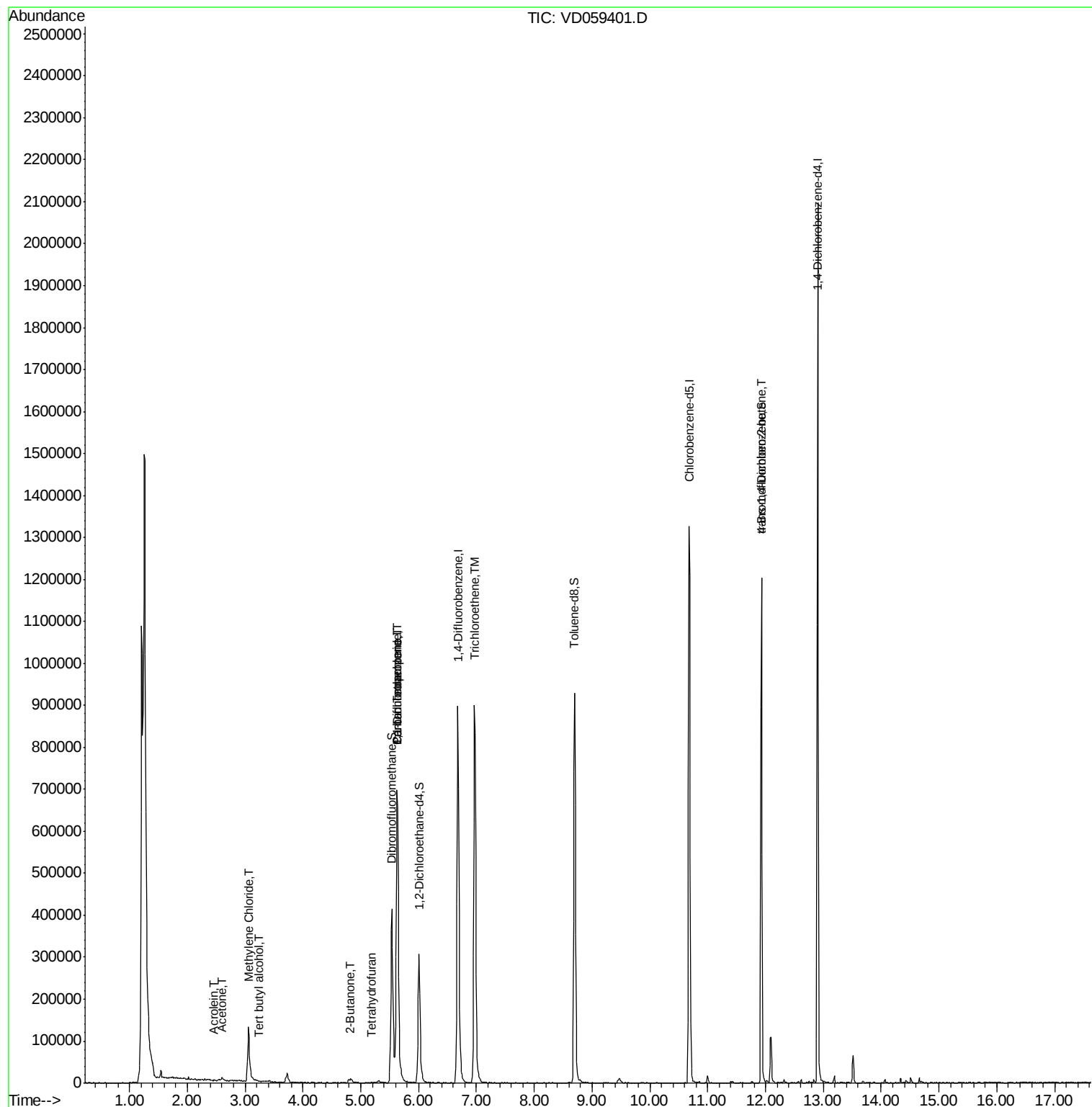
Target Compounds	R.T.	QIon	Response	Conc	Units	Qvalue
5) Bromomethane	1.80	94	246	Below Cal	#	4
11) Tert butyl alcohol	3.24	59	510	1.986	ug/l #	72
13) Acrolein	2.46	56	250	1.089	ug/l	93
16) Acetone	2.61	43	17091	18.246	ug/l	93
18) Methyl Acetate	2.91	43	971	Below Cal	#	66
20) Methylene Chloride	3.06	84	66256	24.219	ug/l	94
25) 2-Butanone	4.82	43	2229	1.136	ug/l #	57
29) Tetrahydrofuran	5.18	42	1461	1.361	ug/l #	47
31) Cyclohexane	5.63	56	16009	Below Cal	#	1
36) 1,1-Dichloropropene	5.63	75	56742	6.784	ug/l #	49
38) Carbon Tetrachloride	5.63	117	55873	6.479	ug/l #	17
44) Trichloroethene	6.97	130	379834	57.793	ug/l	96
81) trans-1,4-Dichloro-2-buten	11.93	75	154669	113.821	ug/l #	1

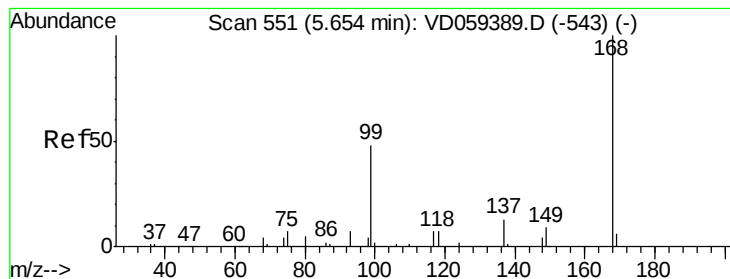
(#) = qualifier out of range (m) = manual integration (+) = signals summed

Data Path : Z:\V0ASRV\HPCHEM1\MSVOA D\DATA\VD062518\
Data File : VD059401.D
Acq On : 25 Jun 2018 16:16
Operator : VA/AP
Sample : J3669-01
Misc : 6.54g/5ml/MSVOA D/SOIL
ALS Vial : 8 Sample Multiplier: 1

Instrument :
MSVOA_D
ClientSampleId :

Quant Time: Jun 26 06:46:58 2018
Quant Method : Z:\V0ASRV\HPCHEM1\MSVOA_D\METHOD\82D062518S.M
Quant Title : SW846 8260
QLast Update : Mon Jun 25 07:29:35 2018
Response via : Initial Calibration





#1

Pentafluorobenzene

Concen: 50.000 ug/l

RT: 5.64 min Scan# 550

Delta R.T. -0.02 min

Lab File: VD059401.D

Acq: 25 Jun 2018 16:16

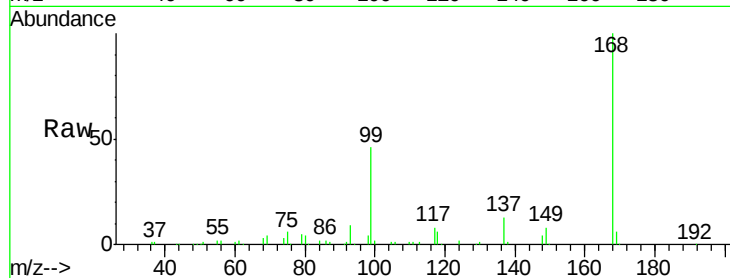
Instrument :
MSVOA_D
ClientSampleId :

Tot Ion:168 Resp: 725746

Ion Ratio Lower Upper

168 100

99 46.0 41.0 61.6



Abundance Ion 167.90 (167.60 to 168.60): V

Ion 98.95 (98.65 to 99.65): VDC

5.64

250000

200000

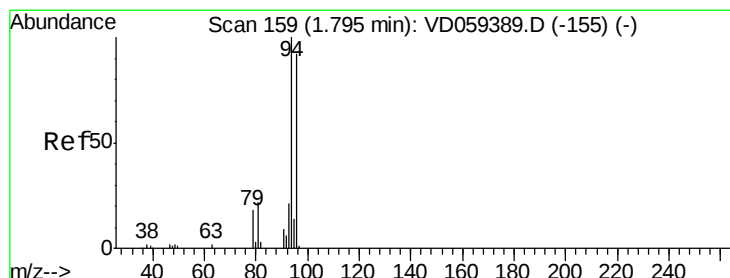
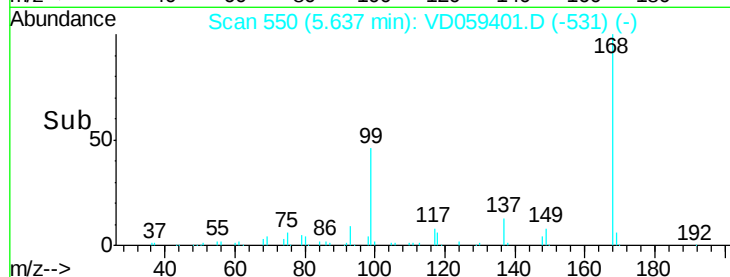
150000

100000

50000

0

Time-->



#5

Bromomethane

Concen: Below Cal

RT: 1.80 min Scan# 160

Delta R.T. 0.00 min

Lab File: VD059401.D

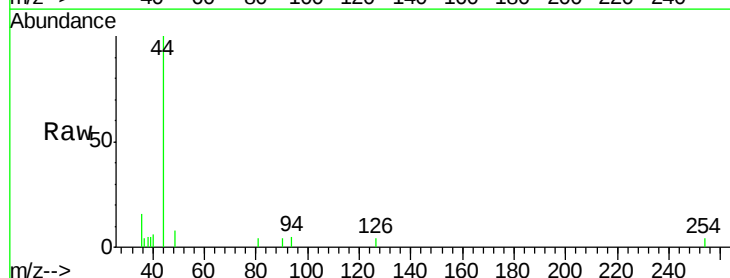
Acq: 25 Jun 2018 16:16

Tgt Ion: 94 Resp: 246

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

1.80

400

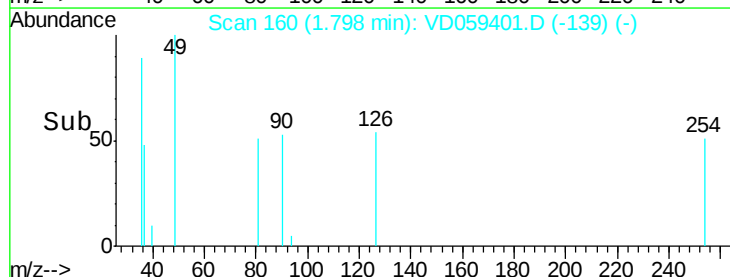
300

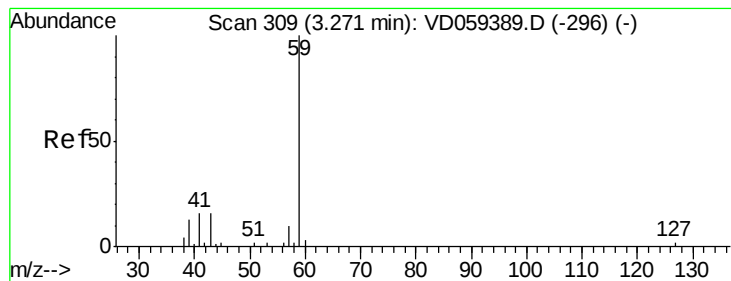
200

100

0

Time-->



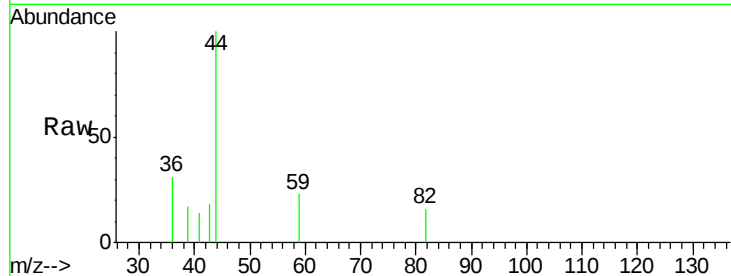


#11

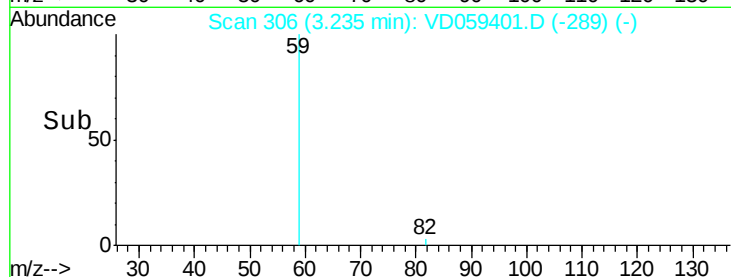
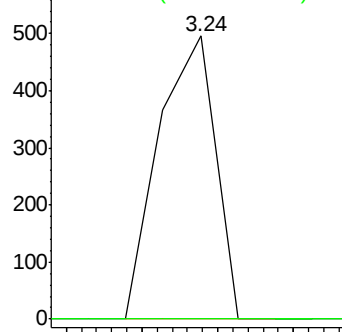
Tert butyl alcohol
 Concen: 1.986 ug/l
 RT: 3.24 min Scan# 306
 Delta R.T. -0.04 min
 Lab File: VD059401.D
 Acq: 25 Jun 2018 16:16

Instrument :
 MSVOA_D
 ClientSampled :

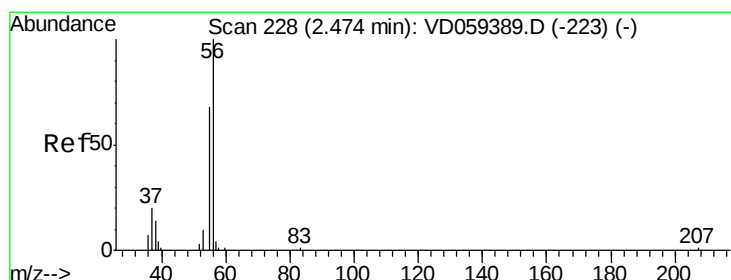
Tot Ion: 59 Resp: 510
 Ion Ratio Lower Upper
 59 100
 57 0.0 8.3 12.5#



Abundance Ion 58.95 (58.65 to 59.65): VDC
 Ion 56.95 (56.65 to 57.65): VDC



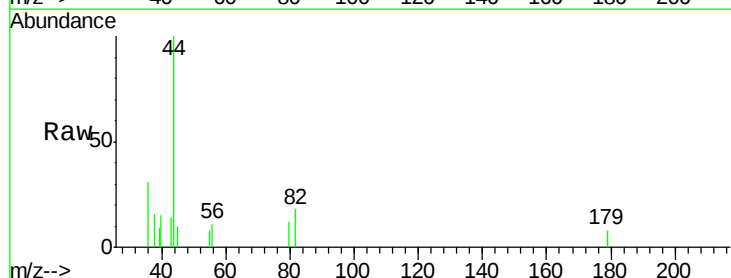
Time-->



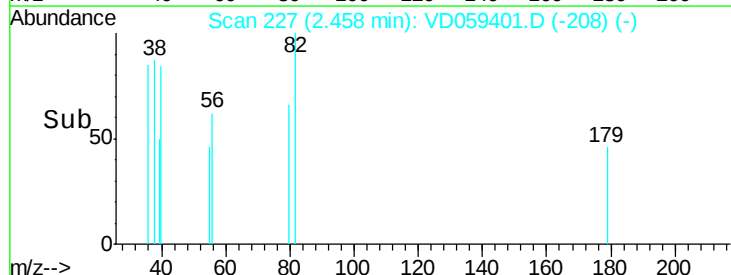
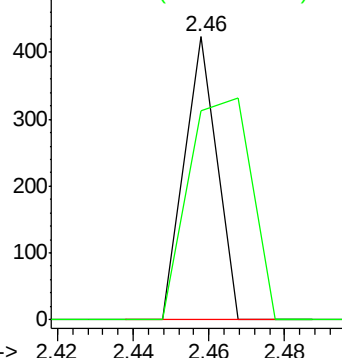
#13

Acrolein
 Concen: 1.089 ug/l
 RT: 2.46 min Scan# 227
 Delta R.T. -0.02 min
 Lab File: VD059401.D
 Acq: 25 Jun 2018 16:16

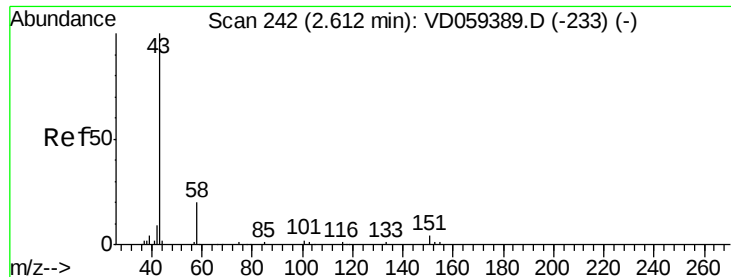
Tgt Ion: 56 Resp: 250
 Ion Ratio Lower Upper
 56 100
 55 73.8 54.6 82.0



Abundance Ion 55.95 (55.65 to 56.65): VDC
 Ion 55.00 (54.70 to 55.70): VDC



Time-->



#16

Acetone

Concen: 18.246 ug/l

RT: 2.61 min Scan# 242

Delta R.T. -0.01 min

Lab File: VD059401.D

Acq: 25 Jun 2018 16:16

Instrument :

MSVOA_D

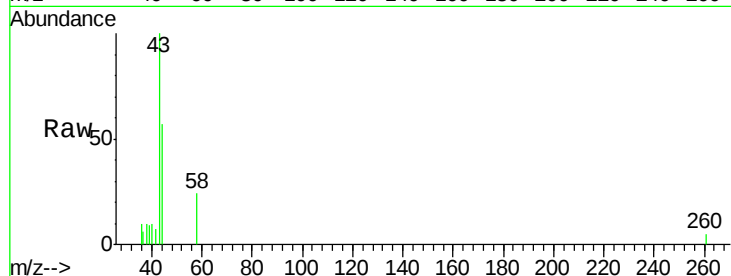
ClientSampleId :

Tot Ion: 43 Resp: 17091

Ion Ratio Lower Upper

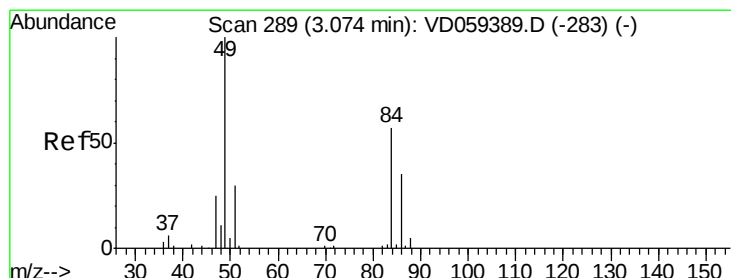
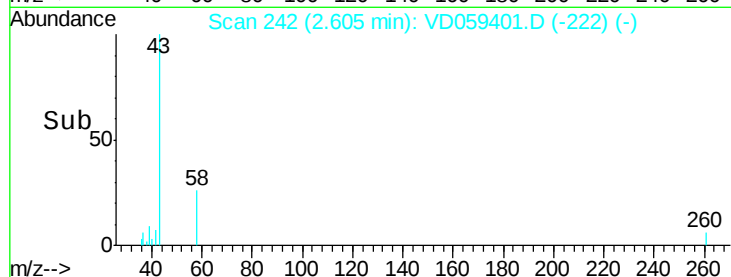
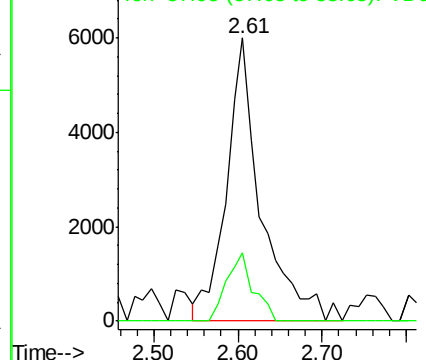
43 100

58 24.3 16.8 25.2



Abundance Ion 42.95 (42.65 to 43.65): VDC

Ion 57.95 (57.65 to 58.65): VDC



#20

Methylene Chloride

Concen: 24.219 ug/l

RT: 3.06 min Scan# 288

Delta R.T. -0.02 min

Lab File: VD059401.D

Acq: 25 Jun 2018 16:16

Tgt Ion: 84 Resp: 66256

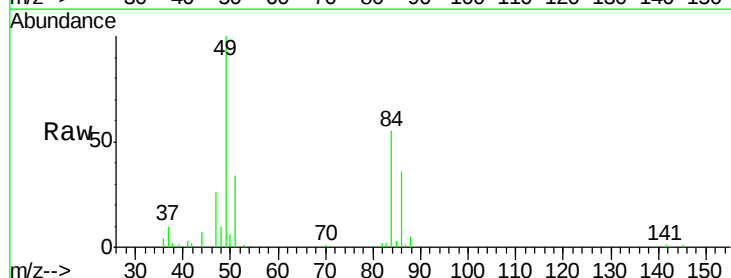
Ion Ratio Lower Upper

84 100

49 181.2 140.3 210.5

51 61.1 41.6 62.4

86 65.0 49.4 74.2

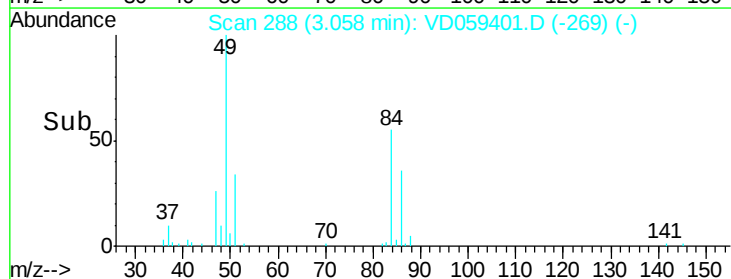
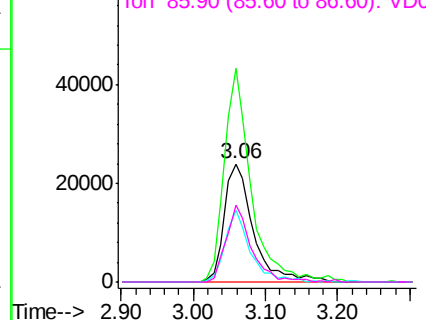


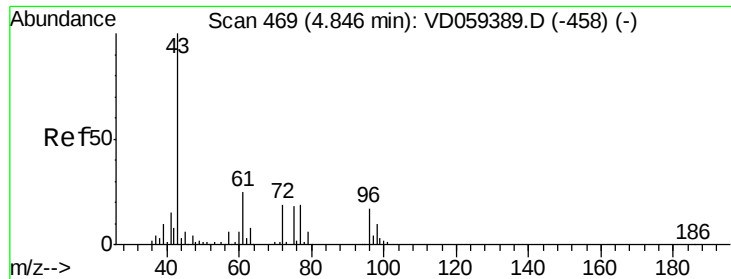
Abundance Ion 83.95 (83.65 to 84.65): VDC

Ion 48.90 (48.60 to 49.60): VDC

Ion 50.90 (50.60 to 51.60): VDC

Ion 85.90 (85.60 to 86.60): VDC





#25

2-Butanone

Concen: 1.136 ug/l

RT: 4.82 min Scan# 467

Delta R.T. -0.03 min

Lab File: VD059401.D

Acq: 25 Jun 2018 16:16

Instrument :

MSVOA_D

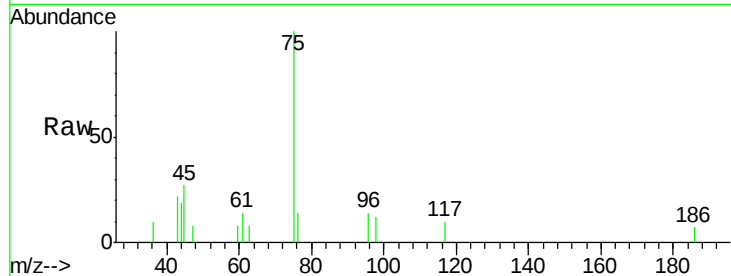
ClientSampled :

Tot Ion: 43 Resp: 2229

Ion Ratio Lower Upper

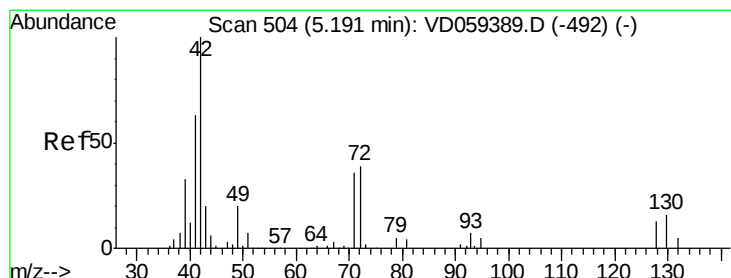
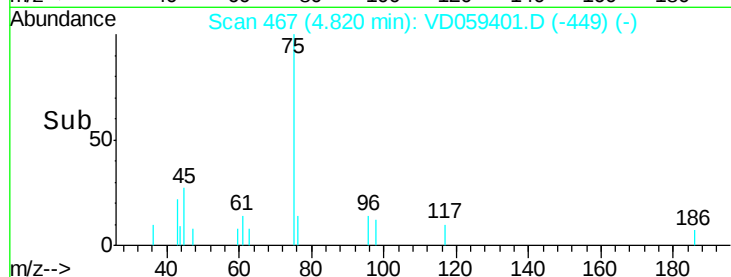
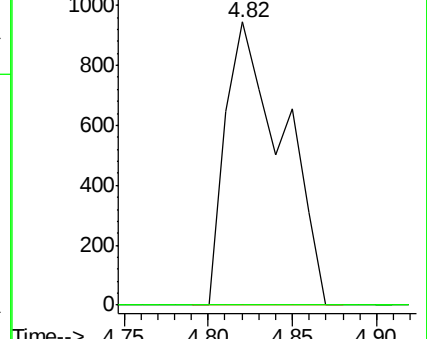
43 100

72 0.0 15.4 23.2#



Abundance Ion 42.95 (42.65 to 43.65): VDC

Ion 72.00 (71.70 to 72.70): VDC



#29

Tetrahydrofuran

Concen: 1.361 ug/l

RT: 5.18 min Scan# 504

Delta R.T. -0.01 min

Lab File: VD059401.D

Acq: 25 Jun 2018 16:16

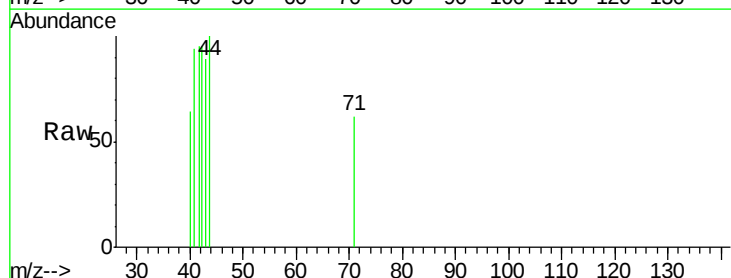
Tgt Ion: 42 Resp: 1461

Ion Ratio Lower Upper

42 100

72 0.0 31.4 47.2#

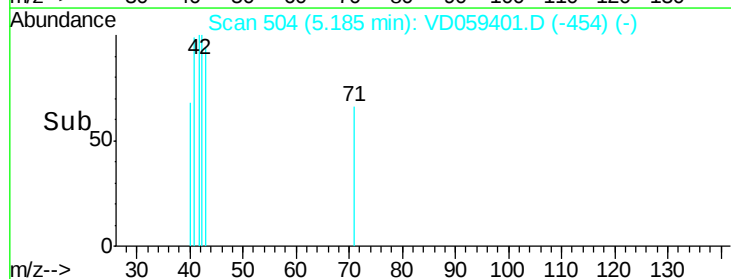
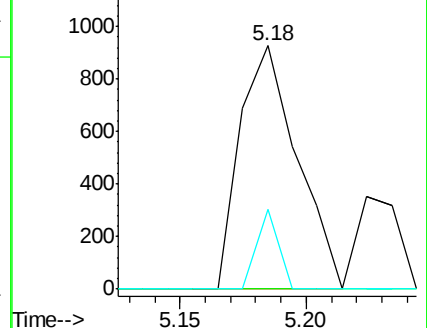
71 12.3 29.7 44.5#

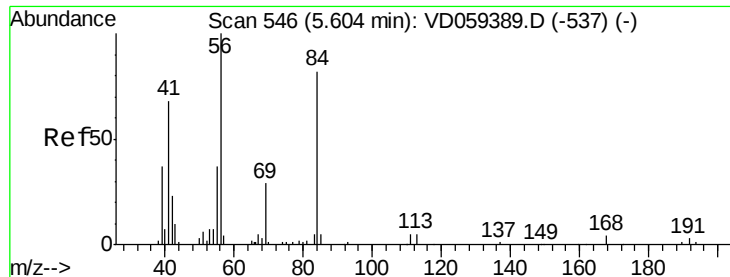


Abundance Ion 42.00 (41.70 to 42.70): VDC

Ion 72.00 (71.70 to 72.70): VDC

Ion 71.00 (70.70 to 71.70): VDC

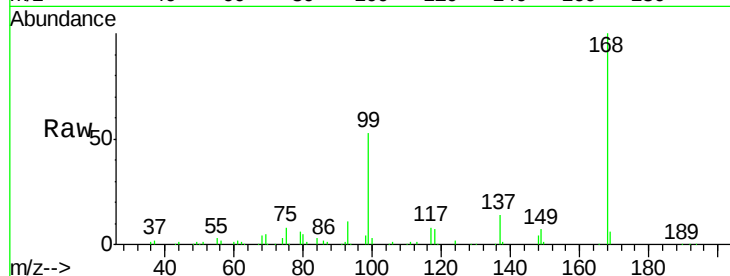




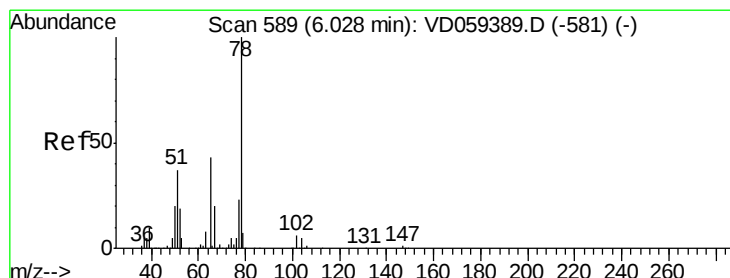
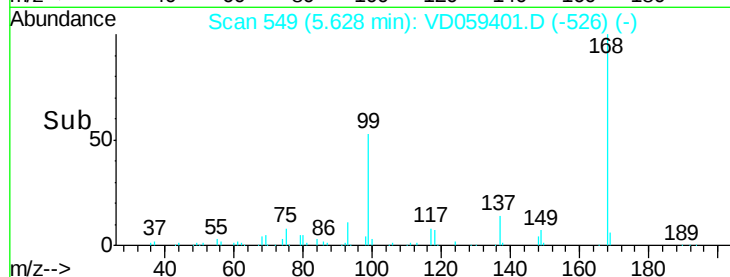
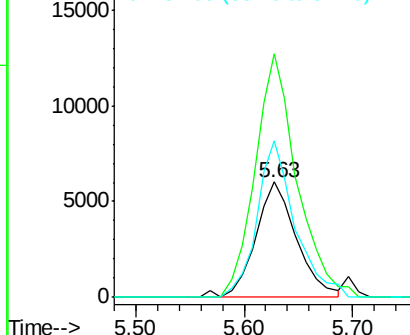
#31
Cyclohexane
Concen: Below Cal
RT: 5.63 min Scan# 549
Delta R.T. 0.02 min
Lab File: VD059401.D
Acq: 25 Jun 2018 16:16

Instrument :
MSVOA_D
ClientSampleId :

Tot Ion: 56 Resp: 16009
Ion Ratio Lower Upper
56 100
69 216.2 22.9 34.3#
84 135.7 67.3 100.9#

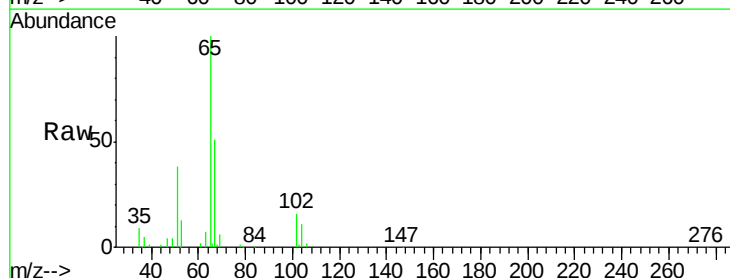


Abundance Ion 55.95 (55.65 to 56.65): VDC
Ion 69.00 (68.70 to 69.70): VDC
Ion 84.05 (83.75 to 84.75): VDC

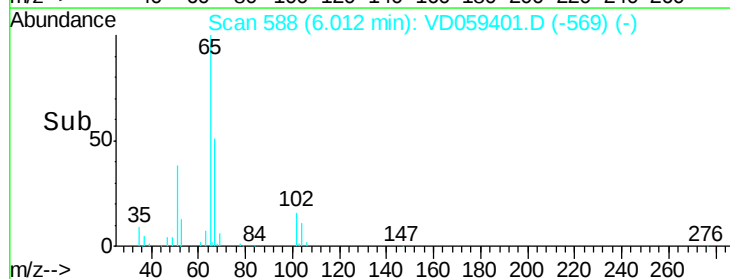
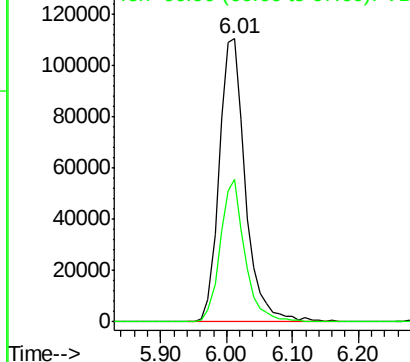


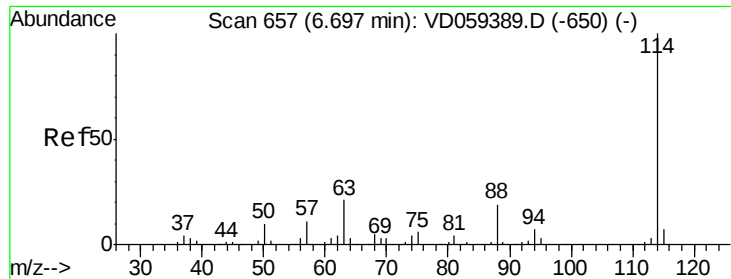
#33
1,2-Dichloroethane-d4
Concen: N.D. ug/l
RT: 6.01 min Scan# 588
Delta R.T. -0.02 min
Lab File: VD059401.D
Acq: 25 Jun 2018 16:16

Tgt Ion: 65 Resp: 305976
Ion Ratio Lower Upper
65 100
67 50.6 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: 6.68 min Scan# 656

Delta R.T. -0.02 min

Lab File: VD059401.D

Acq: 25 Jun 2018 16:16

Instrument :

MSVOA_D

ClientSampleId :

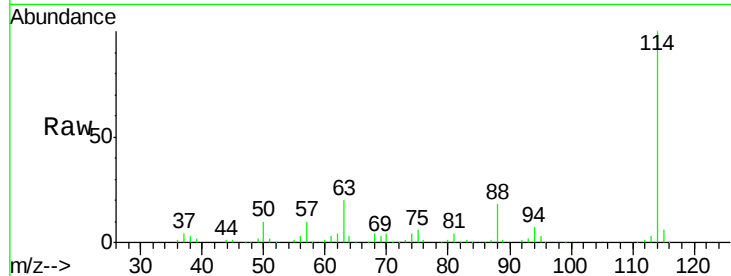
Tot Ion:114 Resp: 922080

Ion Ratio Lower Upper

114 100

63 20.1 0.0 42.4

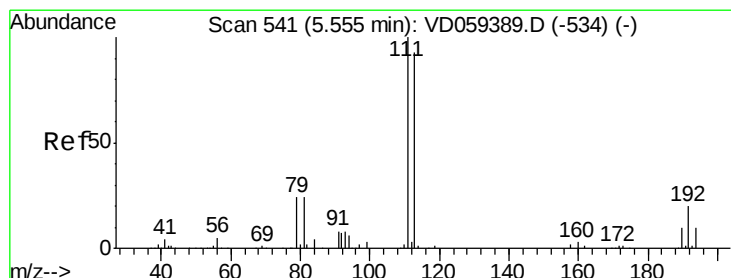
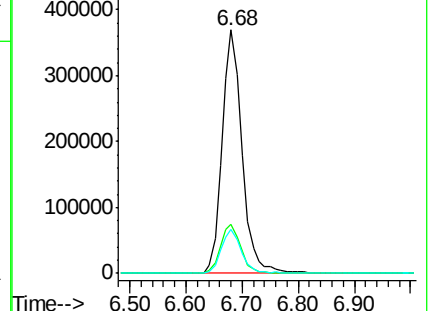
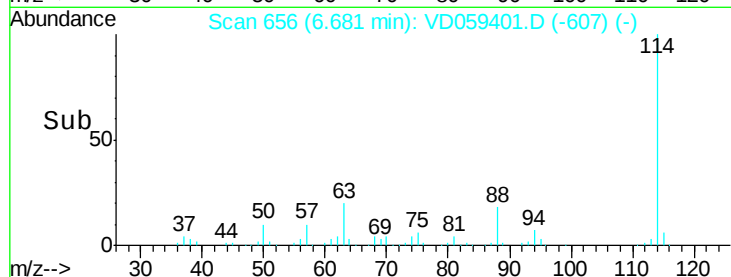
88 18.1 0.0 38.0



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: 5.54 min Scan# 540

Delta R.T. -0.02 min

Lab File: VD059401.D

Acq: 25 Jun 2018 16:16

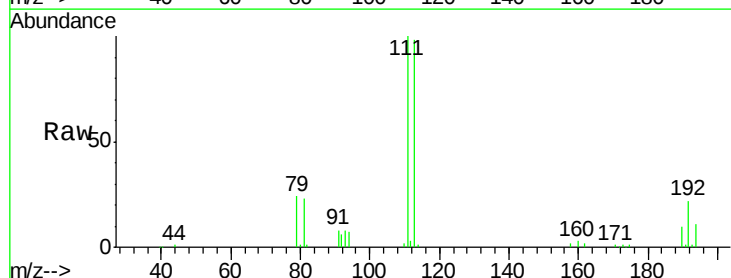
Tgt Ion:113 Resp: 323842

Ion Ratio Lower Upper

113 100

111 101.7 85.7 128.5

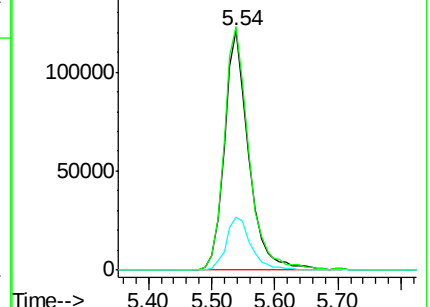
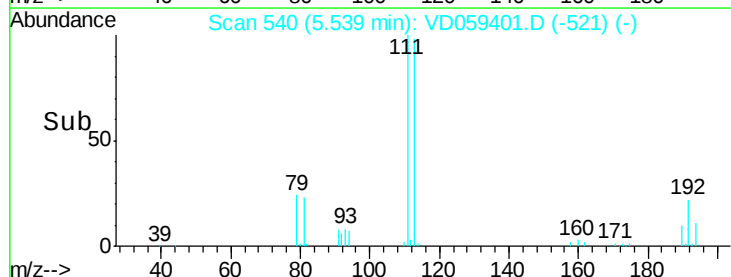
192 22.0 16.9 25.3

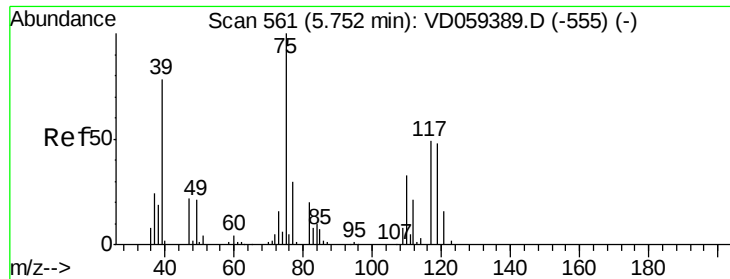


Abundance Ion 112.90 (112.60 to 113.60): V

Ion 110.90 (110.60 to 111.60): V

Ion 191.80 (191.50 to 192.50): V

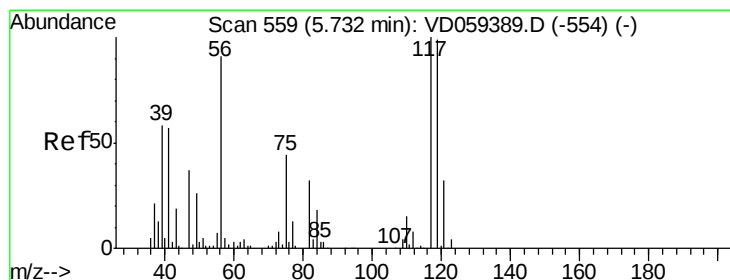
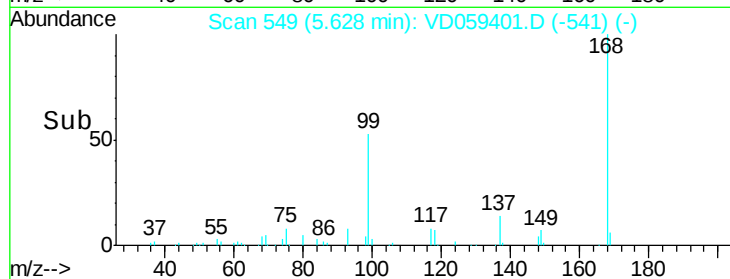
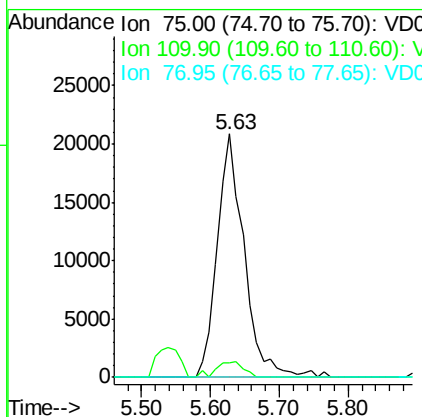
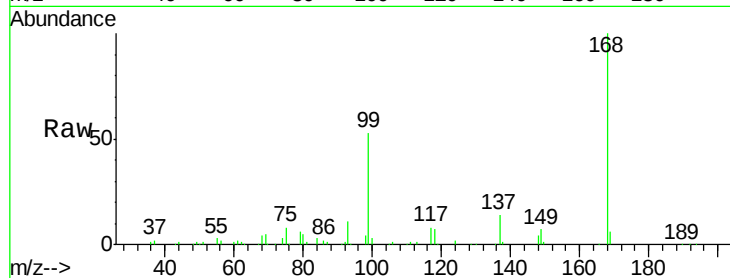




#36
 1,1-Dichloropropene
 Concen: 6.784 ug/l
 RT: 5.63 min Scan# 549
 Delta R.T. -0.12 min
 Lab File: VD059401.D
 Acq: 25 Jun 2018 16:16

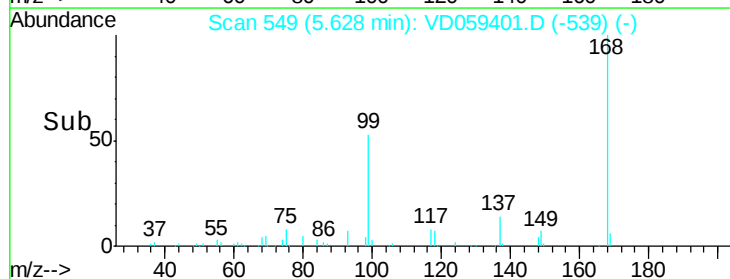
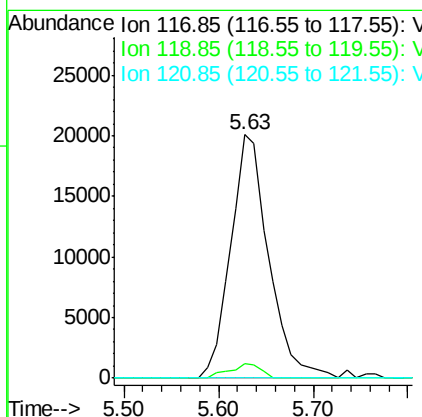
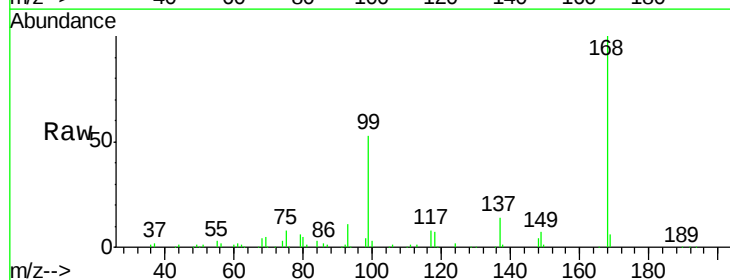
Instrument :
 MSVOA_D
 ClientSampled :

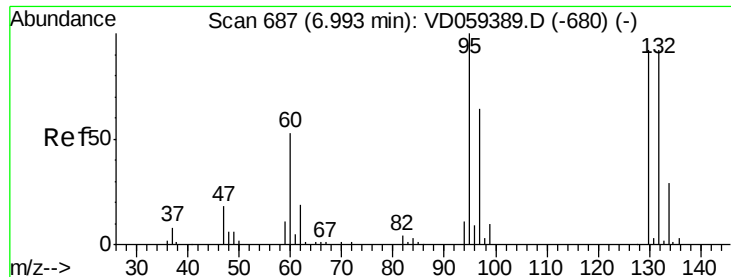
Tot Ion: 75 Resp: 56742
 Ion Ratio Lower Upper
 75 100
 110 5.7 16.1 48.2#
 77 0.0 23.4 35.2#



#38
 Carbon Tetrachloride
 Concen: 6.479 ug/l
 RT: 5.63 min Scan# 549
 Delta R.T. -0.10 min
 Lab File: VD059401.D
 Acq: 25 Jun 2018 16:16

Tgt Ion: 117 Resp: 55873
 Ion Ratio Lower Upper
 117 100
 119 5.8 76.6 115.0#
 121 0.0 25.0 37.4#

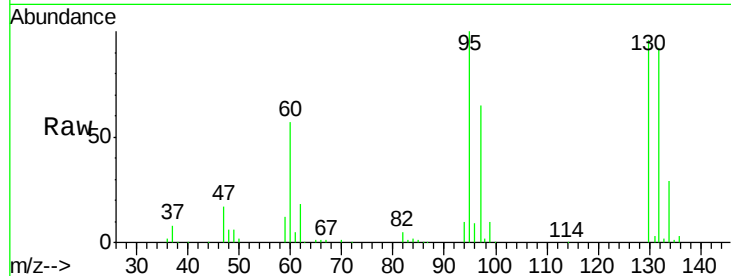




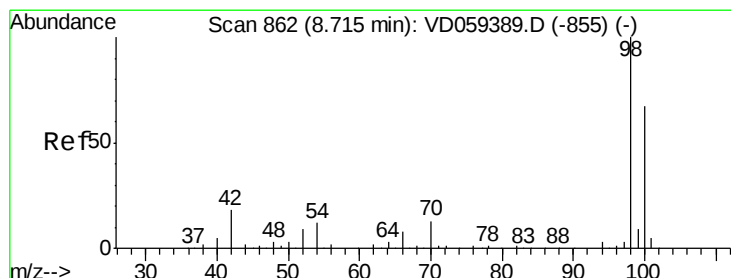
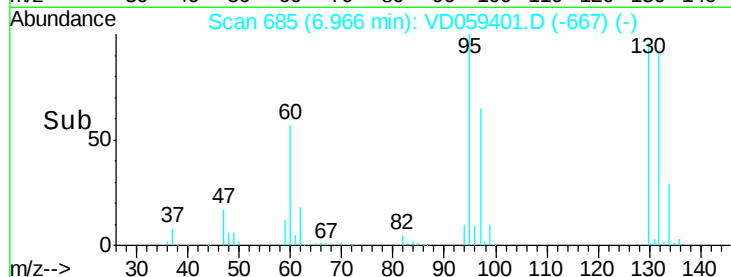
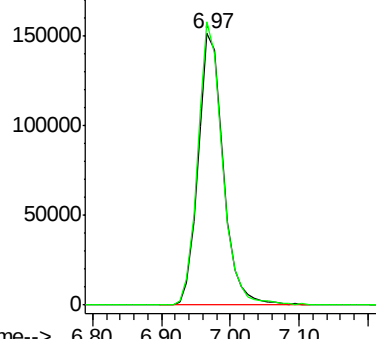
#44
 Trichloroethene
 Concen: 57.793 ug/l
 RT: 6.97 min Scan# 685
 Delta R.T. -0.03 min
 Lab File: VD059401.D
 Acq: 25 Jun 2018 16:16

Instrument :
 MSVOA_D
 ClientSampleId :

Tot Ion:130 Resp: 379834
 Ion Ratio Lower Upper
 130 100
 95 104.2 0.0 216.4

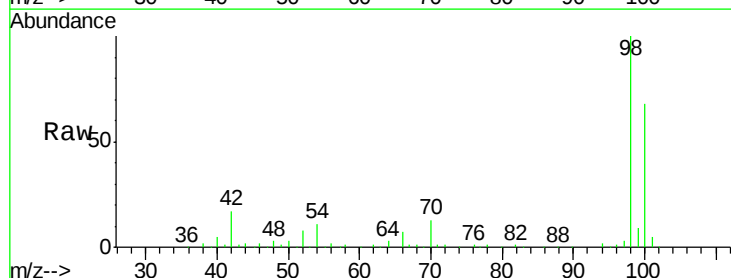


Abundance Ion 129.80 (129.50 to 130.50): V
 Ion 94.90 (94.60 to 95.60): VDC

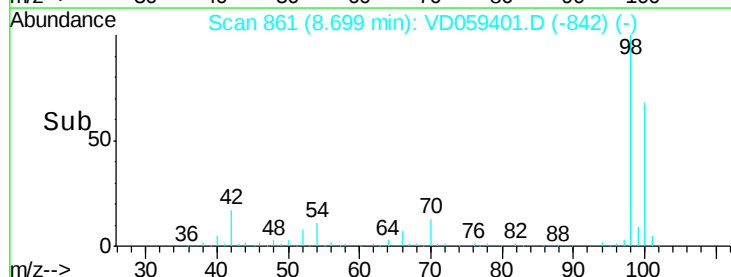
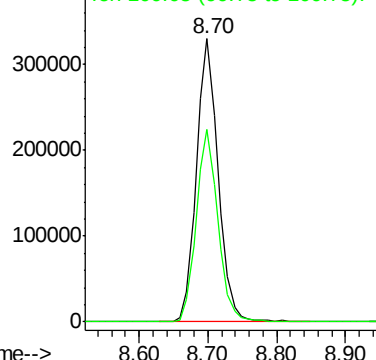


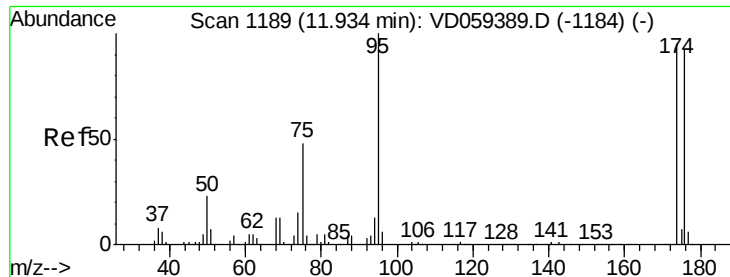
#50
 Toluene-d8
 Concen: N.D. ug/l
 RT: 8.70 min Scan# 861
 Delta R.T. -0.02 min
 Lab File: VD059401.D
 Acq: 25 Jun 2018 16:16

Tgt Ion: 98 Resp: 719730
 Ion Ratio Lower Upper
 98 100
 100 67.9 54.4 81.6



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





#62

4-Bromofluorobenzene

Concen: Below ug/l

RT: 11.93 min Scan# 1189

Delta R.T. -0.01 min

Lab File: VD059401.D

Acq: 25 Jun 2018 16:16

Instrument :

MSVOA_D

ClientSampleId :

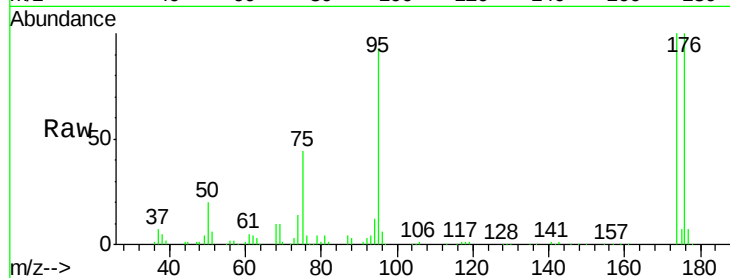
Tot Ion: 95 Resp: 324040

Ion Ratio Lower Upper

95 100

174 107.9 0.0 190.4

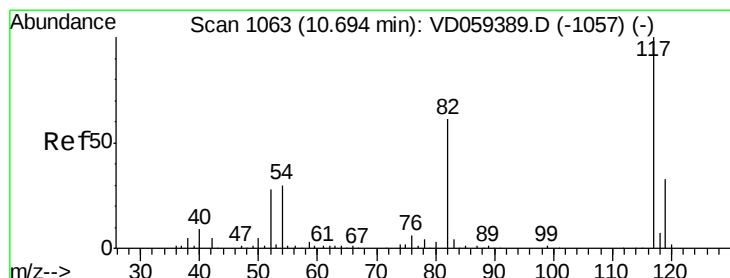
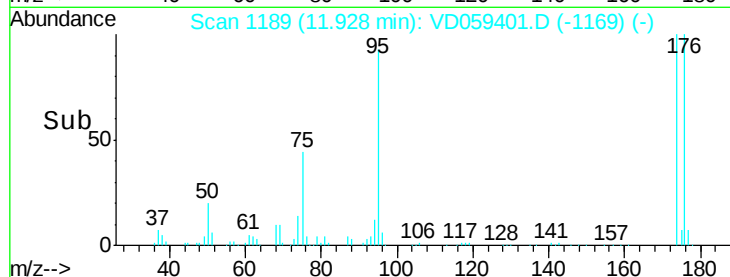
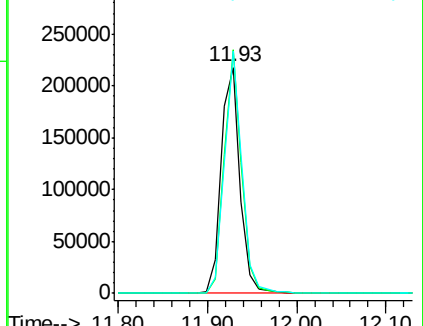
176 107.4 0.0 183.2



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. -0.02 min

Lab File: VD059401.D

Acq: 25 Jun 2018 16:16

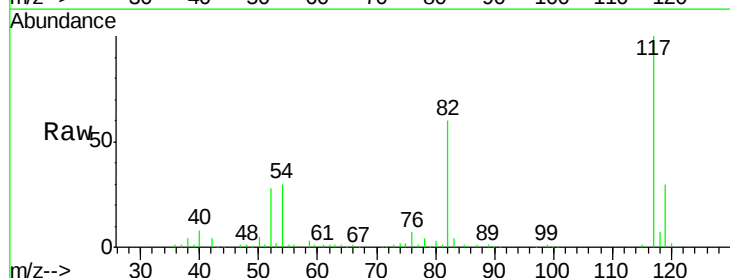
Tgt Ion: 117 Resp: 759097

Ion Ratio Lower Upper

117 100

82 59.8 49.0 73.6

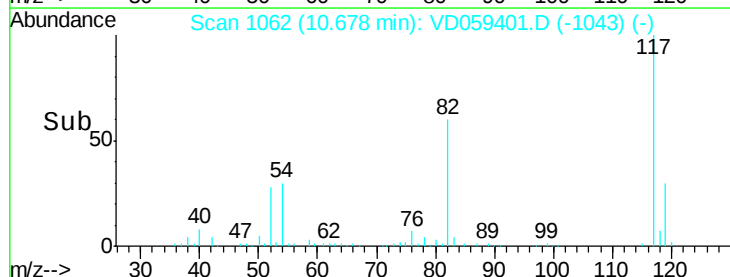
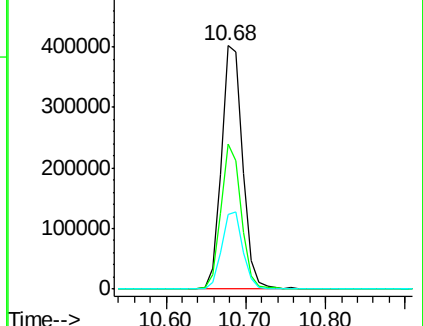
119 30.5 26.2 39.4

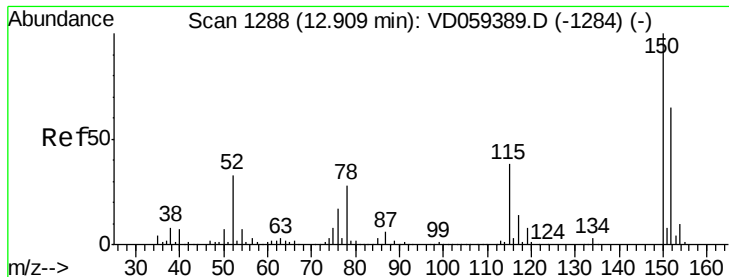


Abundance Ion 116.95 (116.65 to 117.65): V

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: 12.90 min Scan# 1288

Delta R.T. -0.01 min

Lab File: VD059401.D

Acq: 25 Jun 2018 16:16

Instrument :

MSVOA_D

ClientSampleId :

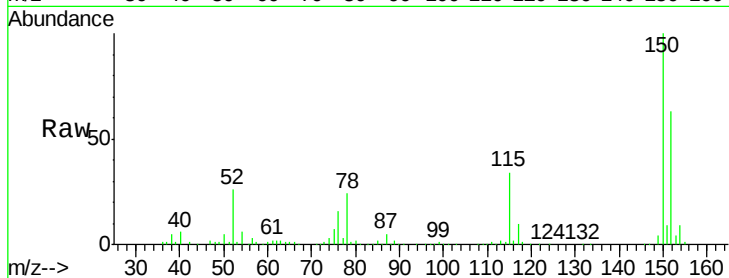
Tot Ion:152 Resp: 433436

Ion Ratio Lower Upper

152 100

115 53.3 29.4 88.3

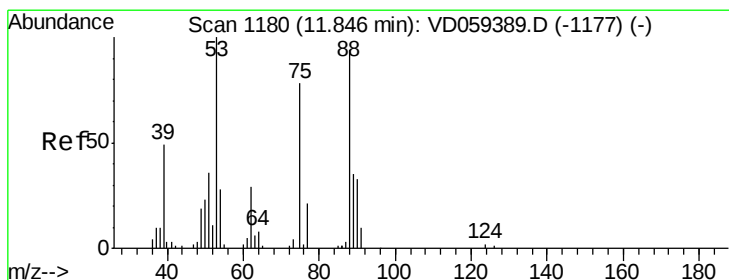
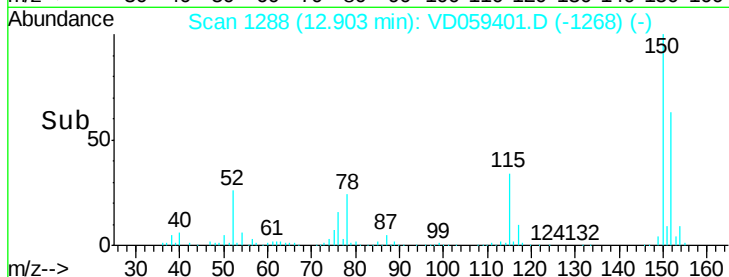
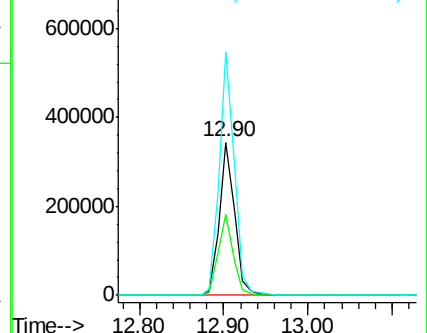
150 158.8 0.0 308.2



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: 113.821 ug/l

RT: 11.93 min Scan# 1189

Delta R.T. 0.08 min

Lab File: VD059401.D

Acq: 25 Jun 2018 16:16

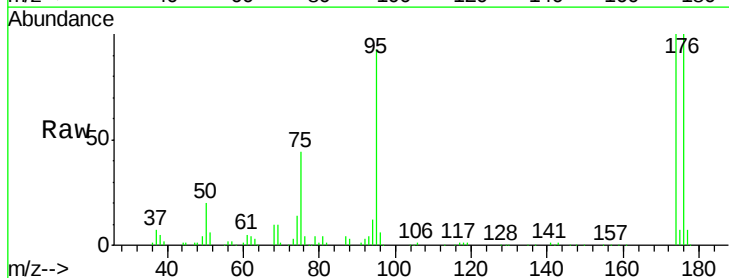
Tgt Ion: 75 Resp: 154669

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

