

Data Path : Z:\VOASRV\HPCHEM1\MSVOA D\DATA\VD062718\
 Data File : VD059439.D
 Acq On : 27 Jun 2018 12:30
 Operator : VA/AP
 Sample : VD0627SBL01
 Misc : 5.00g/5ml/MSVOA D/SOIL
 ALS Vial : 3 Sample Multiplier: 1

Instrument :
 MSVOA_D
 ClientSampleId :

Quant Time: Jun 27 15:04:58 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	921179	50.00	ug/l	-0.01
34) 1,4-Difluorobenzene	6.70	114	1209500	50.00	ug/l	0.00
63) Chlorobenzene-d5	10.68	117	997451	50.00	ug/l	-0.01
72) 1,4-Dichlorobenzene-d4	12.91	152	538762	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	425393	45.16	ug/l	-0.01
Spiked Amount 50.000			Recovery	=	90.32%	
35) Dibromofluoromethane	5.55	113	437410	44.40	ug/l	0.00
Spiked Amount 50.000			Recovery	=	88.80%	
50) Toluene-d8	8.70	98	964970	41.90	ug/l	-0.01
Spiked Amount 50.000			Recovery	=	83.80%	
62) 4-Bromofluorobenzene	11.92	95	430092	44.90	ug/l	-0.01
Spiked Amount 50.000			Recovery	=	89.80%	

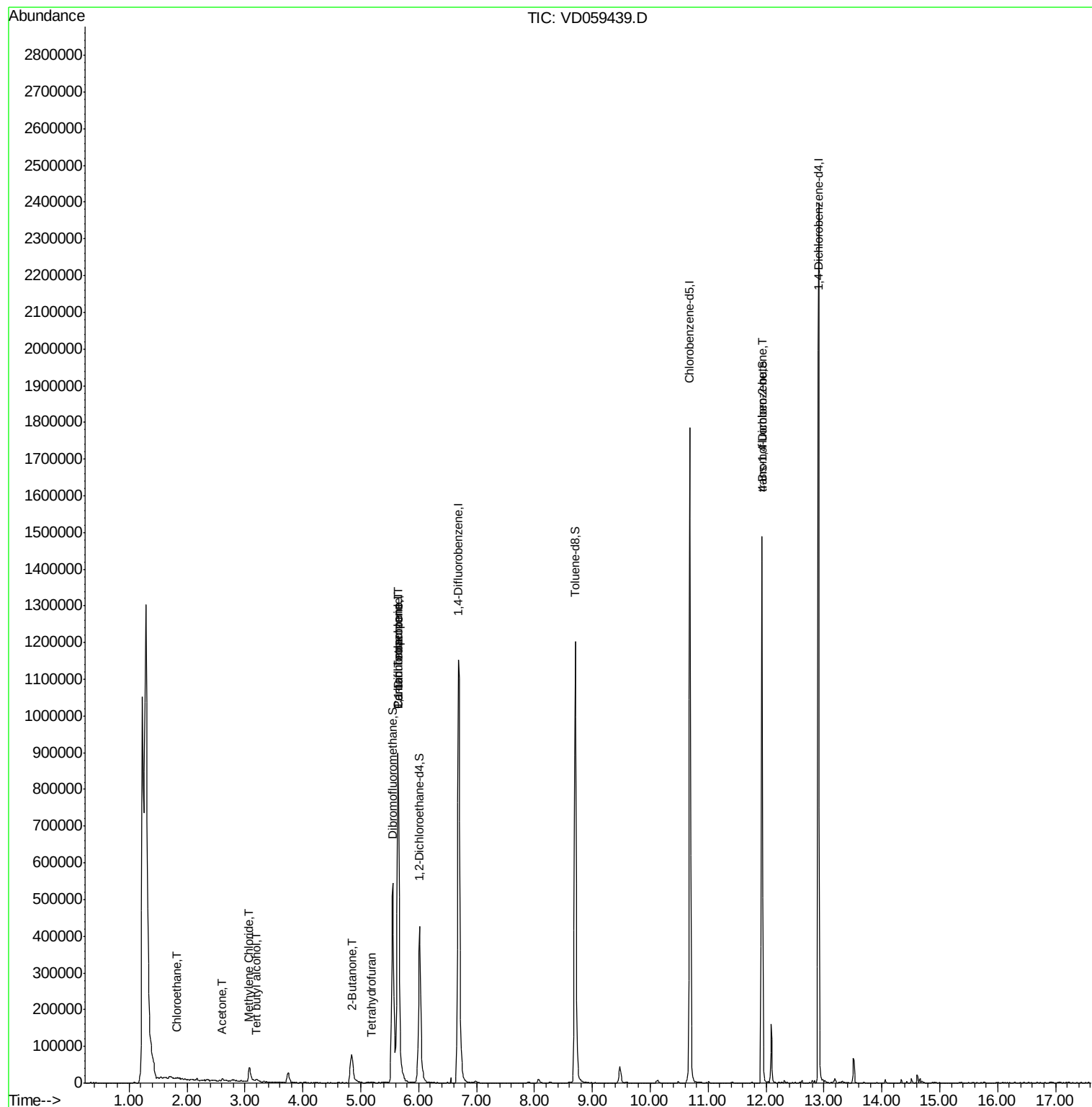
Target Compounds	R.T.	QIon	Response	Conc	Units	Qvalue
5) Bromomethane	1.77	94	181	Below Cal	#	4
6) Chloroethane	1.83	64	366	2.07	ug/l #	41
11) Tert butyl alcohol	3.19	59	7260	22.28	ug/l #	72
16) Acetone	2.61	43	7505	6.31	ug/l #	85
18) Methyl Acetate	2.92	43	352	Below Cal	#	66
20) Methylene Chloride	3.07	84	18619	3.32	ug/l	94
25) 2-Butanone	4.84	43	7294	2.93	ug/l #	57
29) Tetrahydrofuran	5.18	42	2005	1.47	ug/l #	37
31) Cyclohexane	5.63	56	21803	Below Cal	#	1
36) 1,1-Dichloropropene	5.64	75	77252	7.04	ug/l #	51
38) Carbon Tetrachloride	5.64	117	73148	6.47	ug/l #	15
81) trans-1,4-Dichloro-2-buten	11.92	75	211168	125.02	ug/l #	1

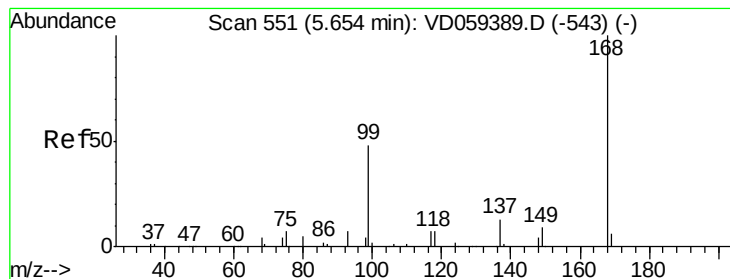
(#) = qualifier out of range (m) = manual integration (+) = signals summed

Data Path : Z:\V0ASRV\HPCHEM1\MSVOA D\DATA\VD062718\
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Quant Title : SW846 8260
QLast Update : Mon Jun 25 07:29:35 2018
Response via : Initial Calibration





#1

Pentafluorobenzene

Concen: 50.00 ug/l

RT: 5.64 min Scan# 550

Delta R.T. -0.01 min

Lab File: VD059439.D

Acq: 27 Jun 2018 12:30

Instrument :

MSVOA_D

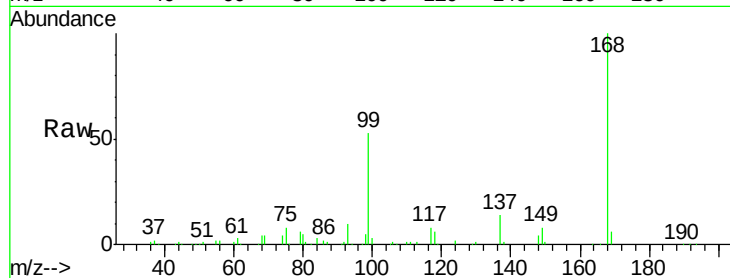
ClientSampled :

Tot Ion:168 Resp: 921179

Ion Ratio Lower Upper

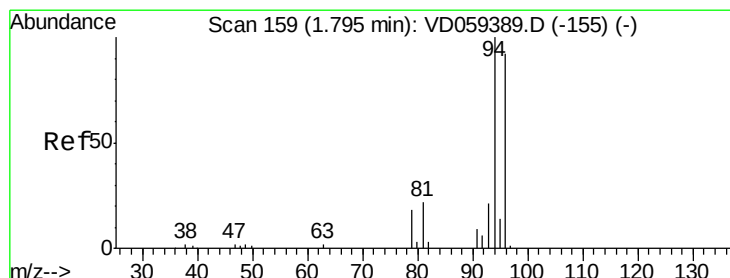
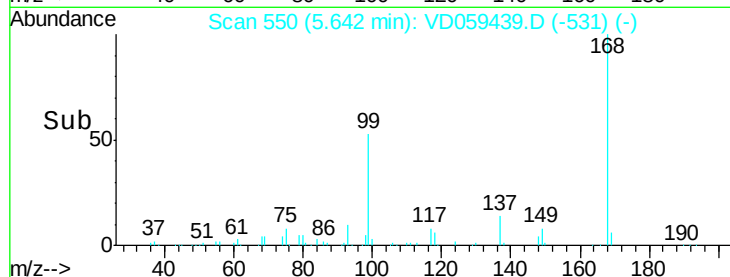
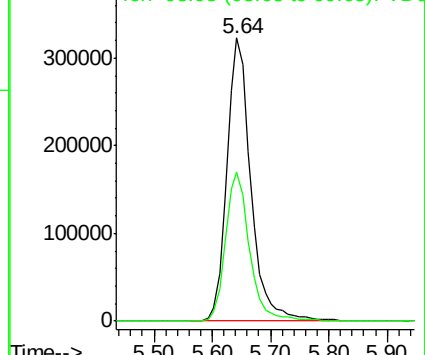
168 100

99 52.8 41.0 61.6



Abundance Ion 167.90 (167.60 to 168.60): V

Ion 98.95 (98.65 to 99.65): VDC



#5

Bromomethane

Concen: Below Cal

RT: 1.77 min Scan# 157

Delta R.T. -0.02 min

Lab File: VD059439.D

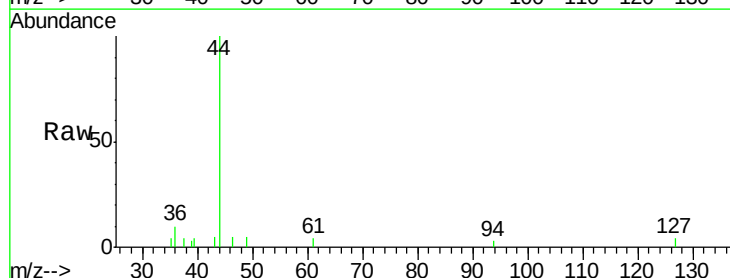
Acq: 27 Jun 2018 12:30

Tgt Ion: 94 Resp: 181

Ion Ratio Lower Upper

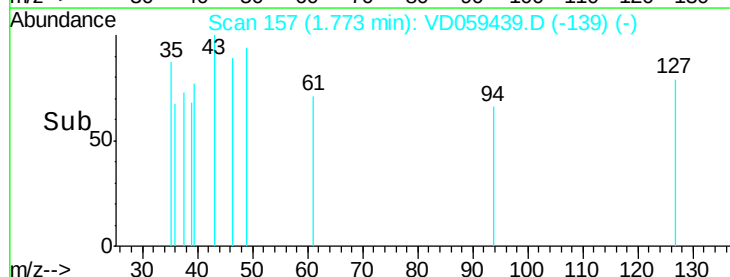
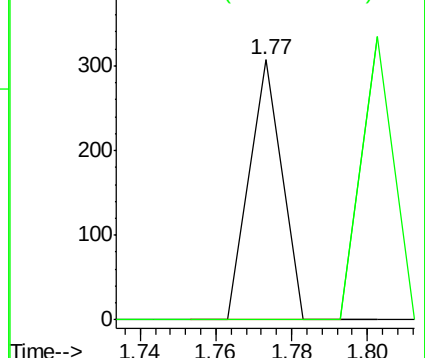
94 100

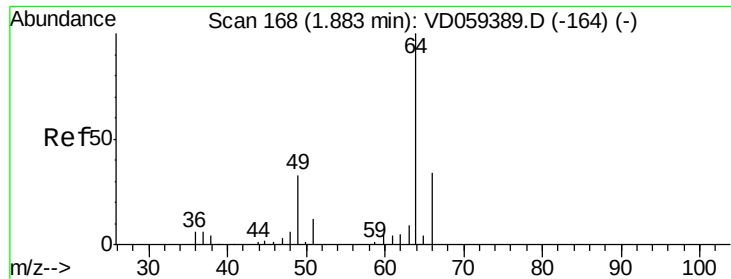
96 0.0 73.4 110.0#



Abundance Ion 93.90 (93.60 to 94.60): VDC

Ion 95.90 (95.60 to 96.60): VDC

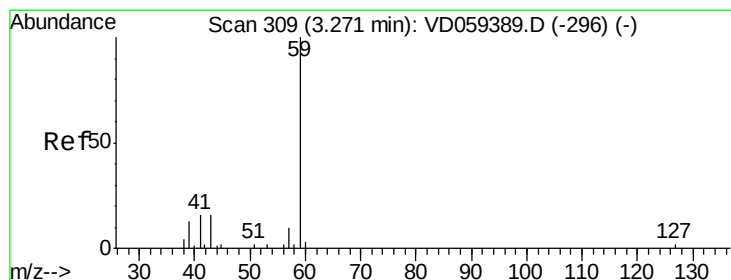
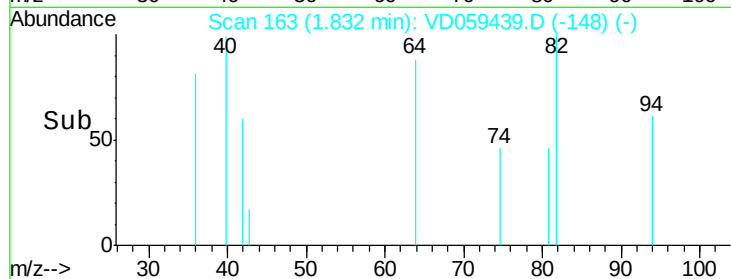
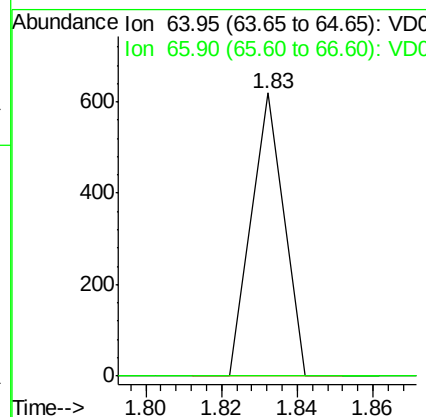
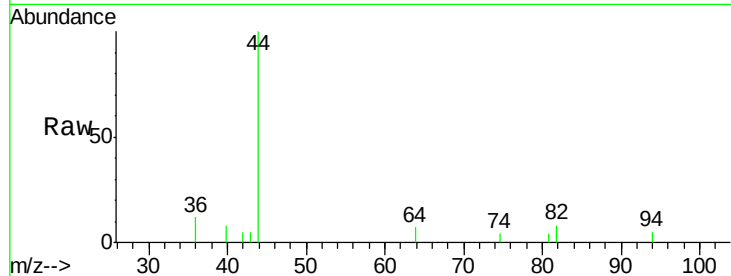




#6
Chloroethane
Concen: 2.07 ug/l
RT: 1.83 min Scan# 163
Delta R.T. -0.05 min
Lab File: VD059439.D
Acq: 27 Jun 2018 12:30

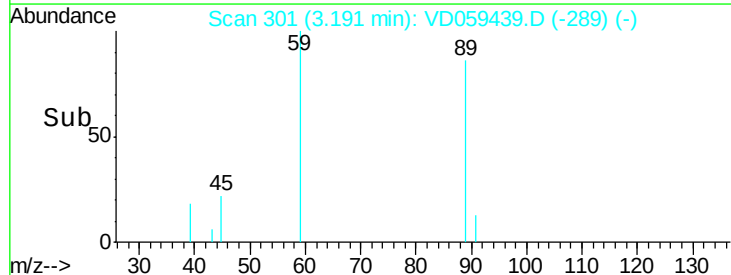
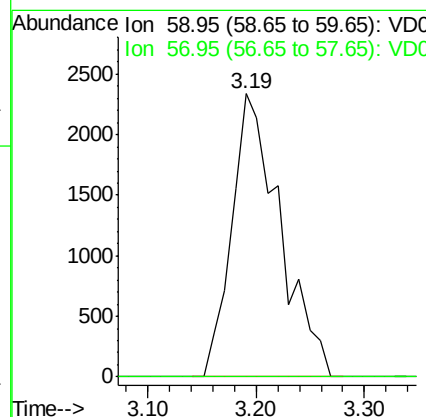
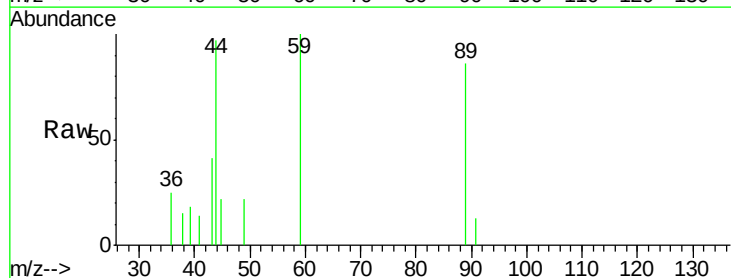
Instrument :
MSVOA_D
ClientSampleId :

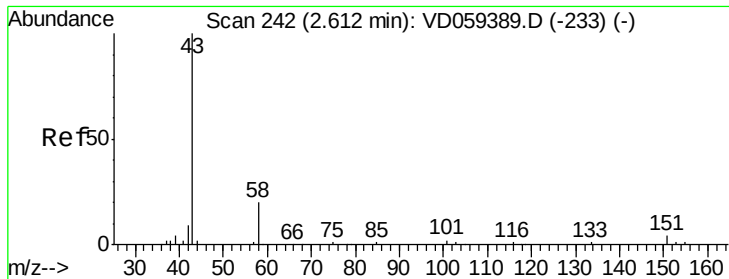
Tot Ion: 64 Resp: 366
Ion Ratio Lower Upper
64 100
66 0.0 27.1 40.7#



#11
Tert butyl alcohol
Concen: 22.28 ug/l
RT: 3.19 min Scan# 301
Delta R.T. -0.08 min
Lab File: VD059439.D
Acq: 27 Jun 2018 12:30

Tgt Ion: 59 Resp: 7260
Ion Ratio Lower Upper
59 100
57 0.0 8.3 12.5#





#16

Acetone

Concen: 6.31 ug/l

RT: 2.61 min Scan# 242

Delta R.T. -0.00 min

Lab File: VD059439.D

Acq: 27 Jun 2018 12:30

Instrument :

MSVOA_D

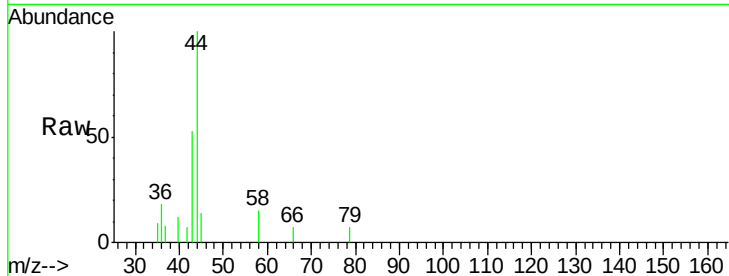
ClientSampleId :

Tot Ion: 43 Resp: 7505

Ion Ratio Lower Upper

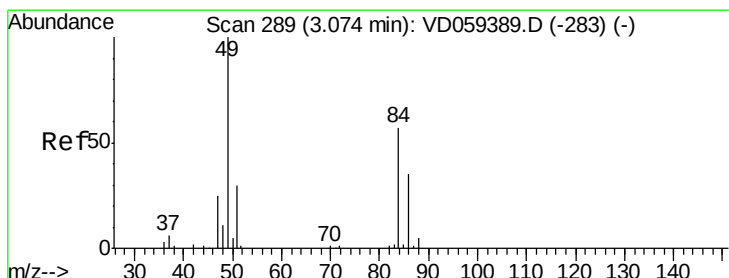
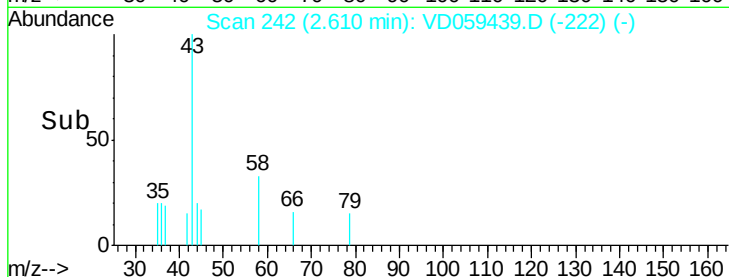
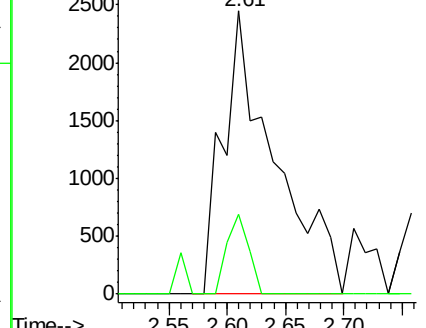
43 100

58 28.2 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: 3.32 ug/l

RT: 3.07 min Scan# 289

Delta R.T. -0.00 min

Lab File: VD059439.D

Acq: 27 Jun 2018 12:30

Tgt Ion: 84 Resp: 18619

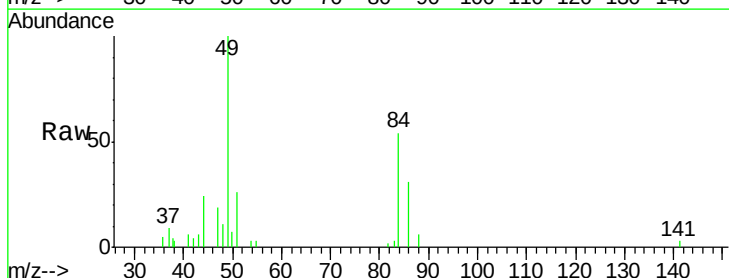
Ion Ratio Lower Upper

84 100

49 184.0 140.3 210.5

51 48.6 41.6 62.4

86 56.4 49.4 74.2

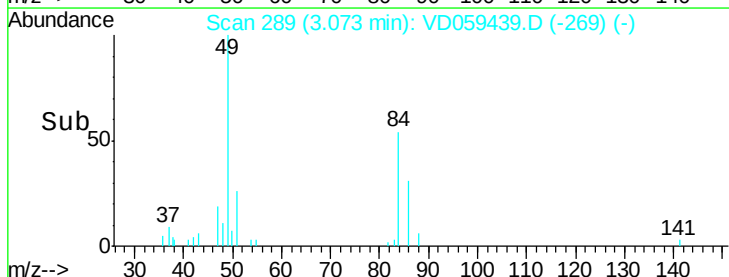
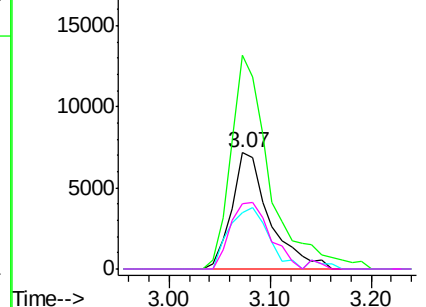


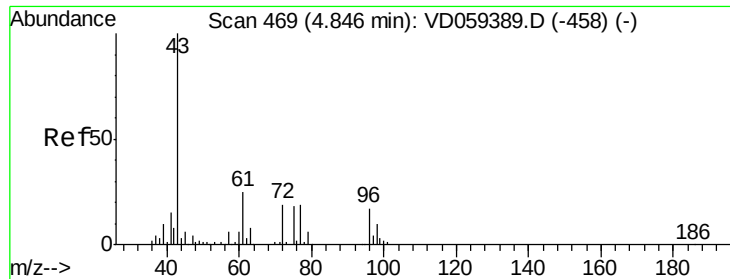
Abundance Ion 83.95 (83.65 to 84.65): VDC

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

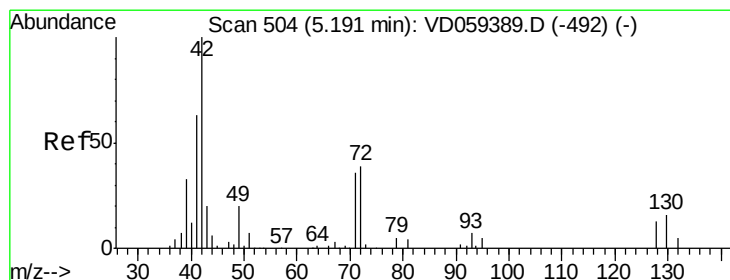
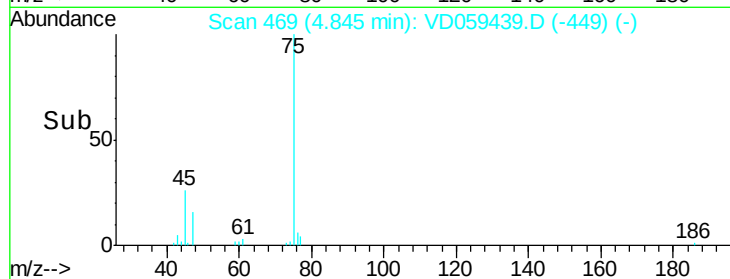
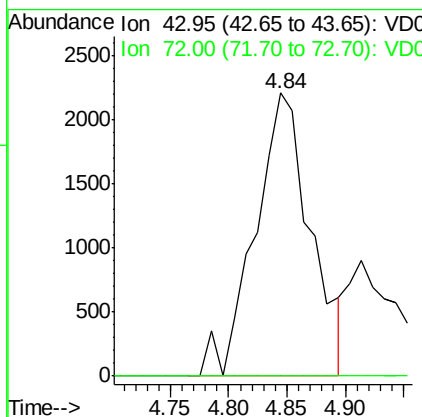
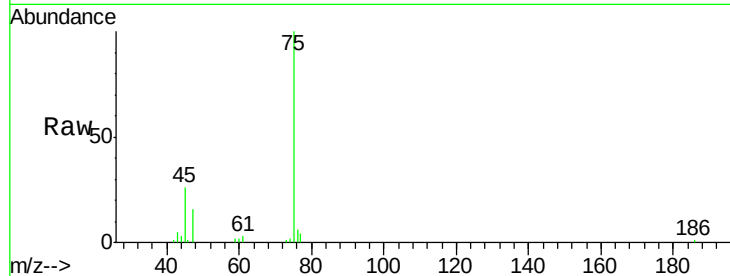




#25
2-Butanone
Concen: 2.93 ug/l
RT: 4.84 min Scan# 469
Delta R.T. -0.00 min
Lab File: VD059439.D
Acq: 27 Jun 2018 12:30

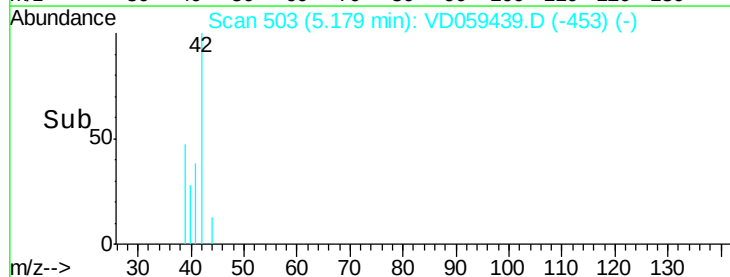
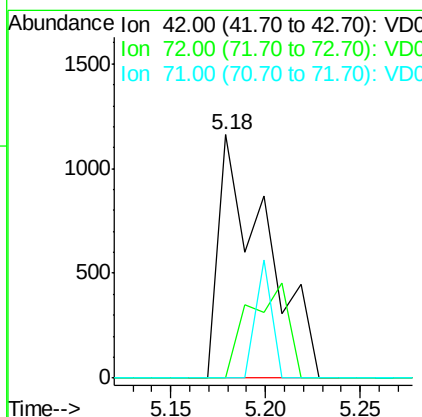
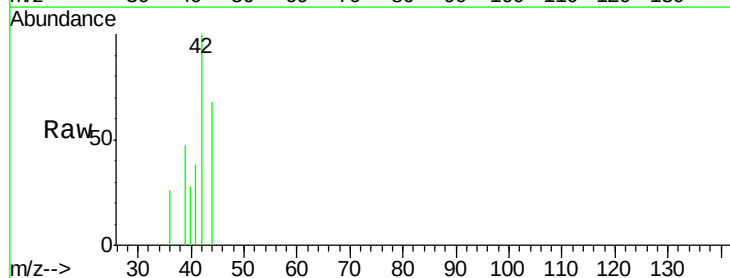
Instrument :
MSVOA_D
ClientSampleId :

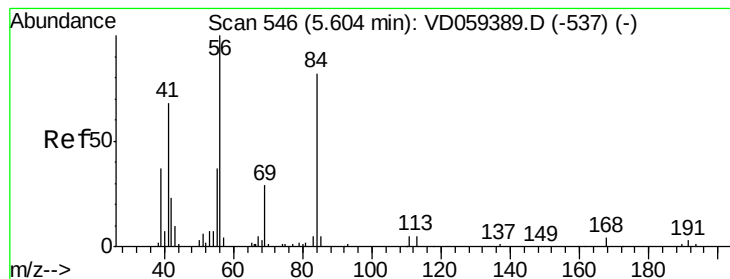
Tot Ion: 43 Resp: 7294
Ion Ratio Lower Upper
43 100
72 0.0 15.4 23.2#



#29
Tetrahydrofuran
Concen: 1.47 ug/l
RT: 5.18 min Scan# 503
Delta R.T. -0.01 min
Lab File: VD059439.D
Acq: 27 Jun 2018 12:30

Tgt Ion: 42 Resp: 2005
Ion Ratio Lower Upper
42 100
72 0.0 31.4 47.2#
71 0.0 29.7 44.5#





#31

Cyclohexane

Concen: Below Cal

RT: 5.63 min Scan# 549

Delta R.T. 0.03 min

Lab File: VD059439.D

Acq: 27 Jun 2018 12:30

Instrument :

MSVOA_D

ClientSampled :

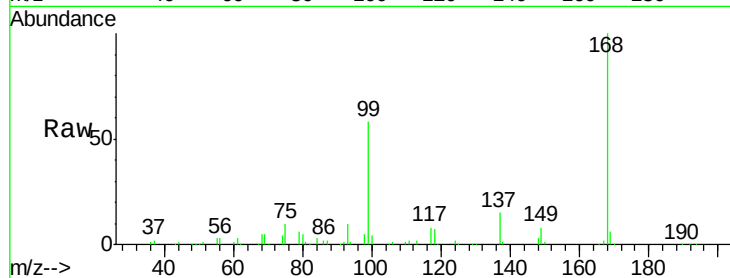
Tot Ion: 56 Resp: 21803

Ion Ratio Lower Upper

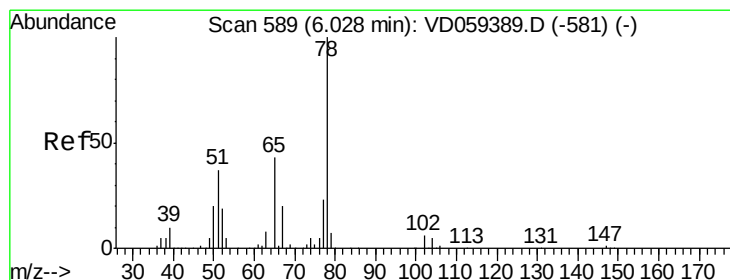
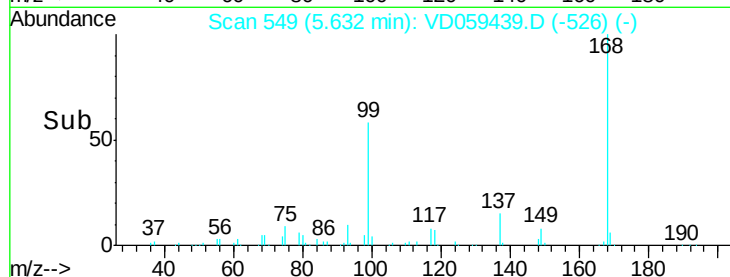
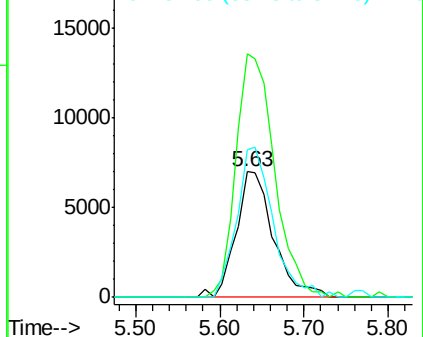
56 100

69 193.6 22.9 34.3#

84 117.5 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# 588

Delta R.T. -0.01 min

Lab File: VD059439.D

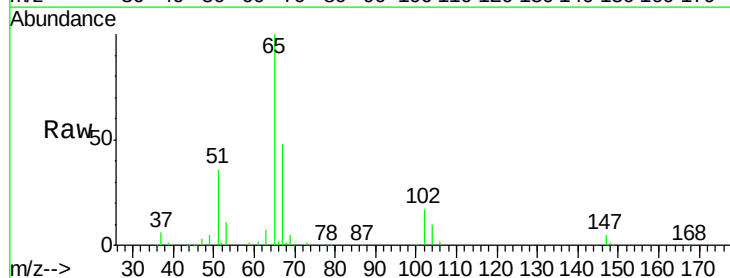
Acq: 27 Jun 2018 12:30

Tgt Ion: 65 Resp: 425393

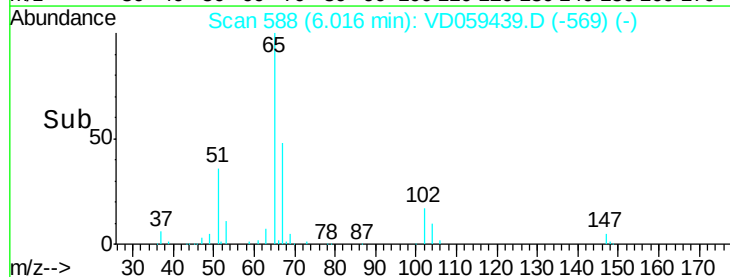
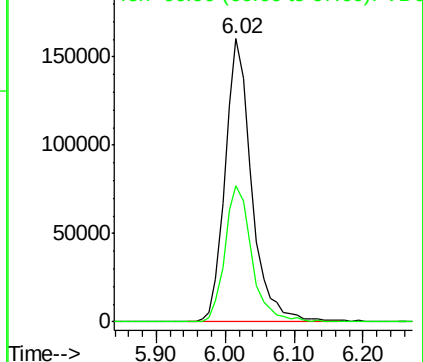
Ion Ratio Lower Upper

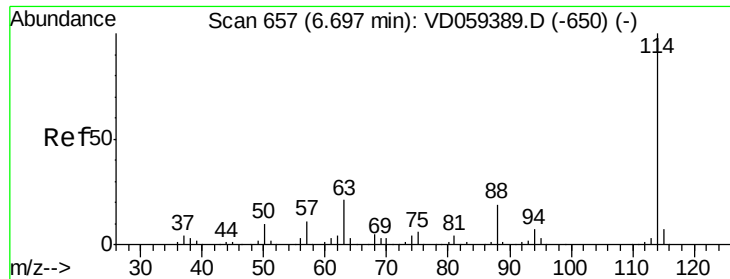
65 100

67 48.2 0.0 93.8



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

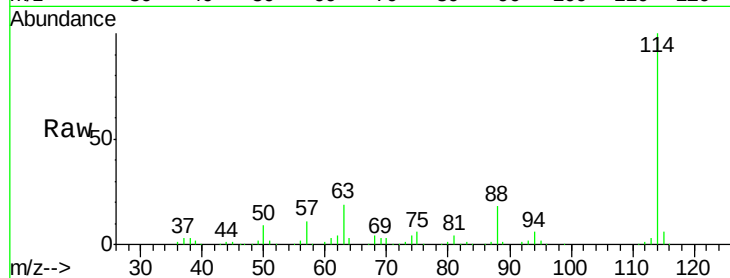




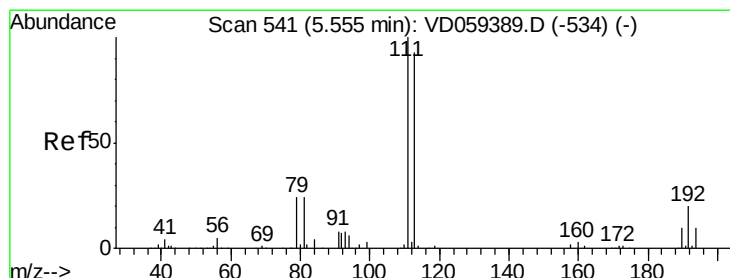
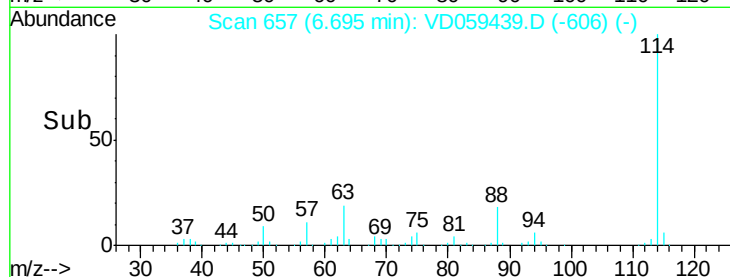
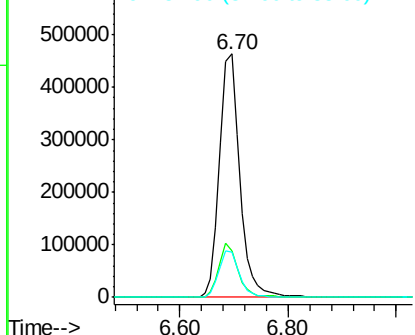
#34
 1,4-Difluorobenzene
 Concen: 50.00 ug/l
 RT: 6.70 min Scan# 657
 Delta R.T. -0.00 min
 Lab File: VD059439.D
 Acq: 27 Jun 2018 12:30

Instrument :
 MSVOA_D
 ClientSampleId :

Tot Ion:114 Resp: 1209500
 Ion Ratio Lower Upper
 114 100
 63 19.1 0.0 42.4
 88 18.3 0.0 38.0

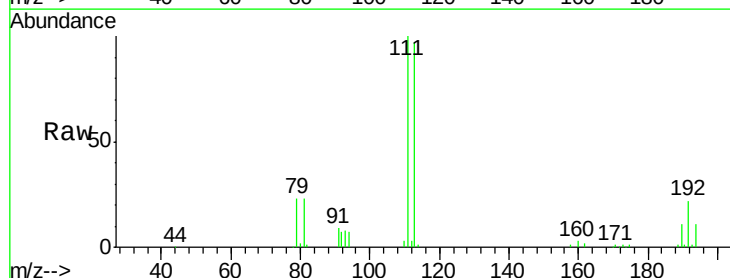


Abundance Ion 114.00 (113.70 to 114.70): V
 Ion 62.95 (62.65 to 63.65): V
 Ion 87.90 (87.60 to 88.60): V

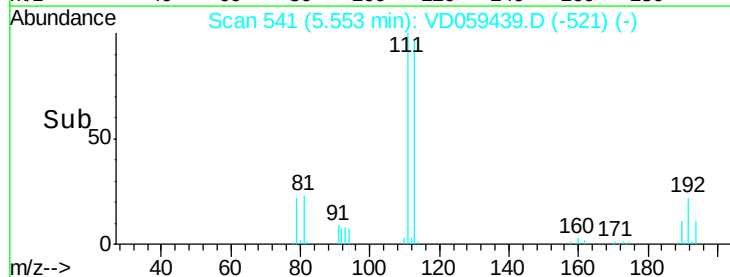
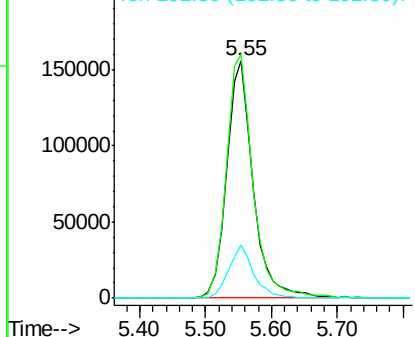


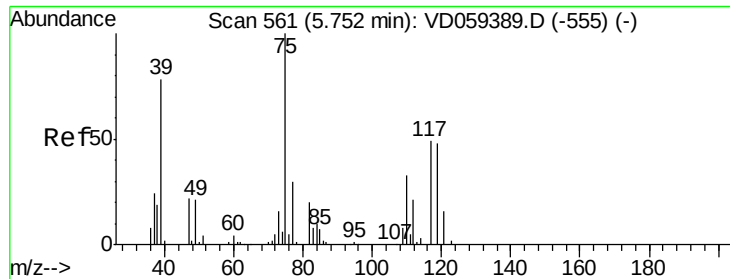
#35
 Dibromofluoromethane
 Concen: 50.00 ug/l
 RT: 5.55 min Scan# 541
 Delta R.T. -0.00 min
 Lab File: VD059439.D
 Acq: 27 Jun 2018 12:30

Tgt Ion:113 Resp: 437410
 Ion Ratio Lower Upper
 113 100
 111 102.6 85.7 128.5
 192 22.5 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

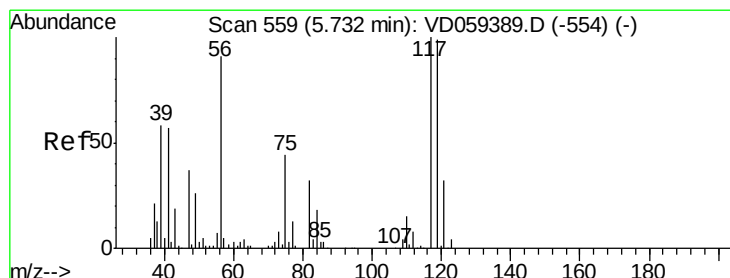
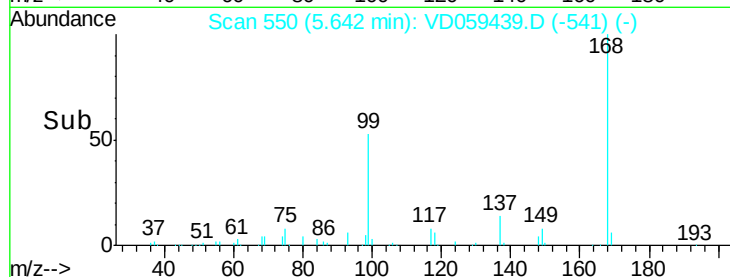
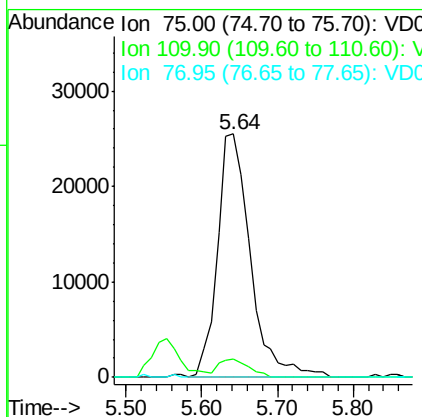
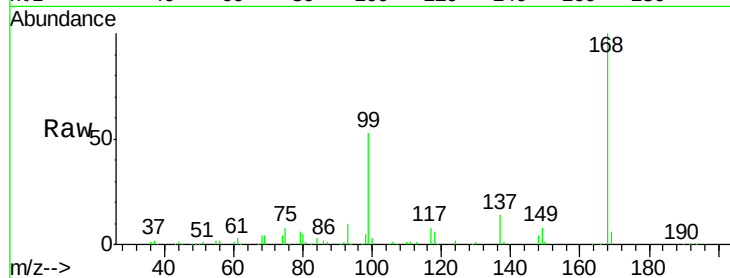




#36
 1,1-Dichloropropene
 Concen: 7.04 ug/l
 RT: 5.64 min Scan# 550
 Delta R.T. -0.11 min
 Lab File: VD059439.D
 Acq: 27 Jun 2018 12:30

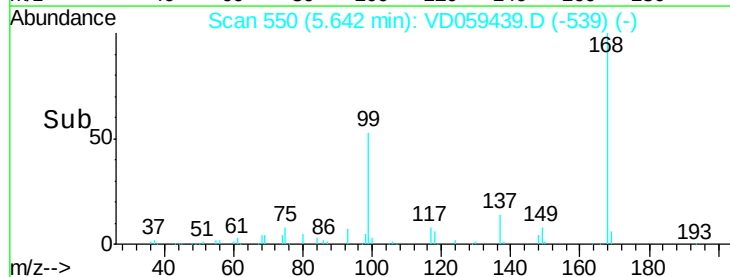
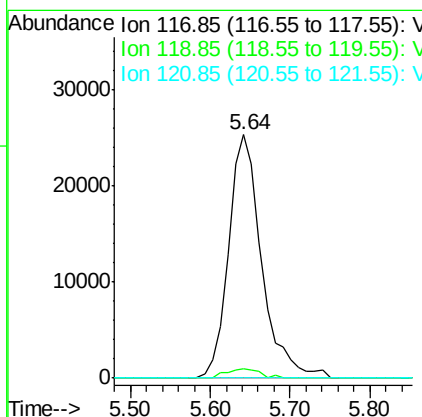
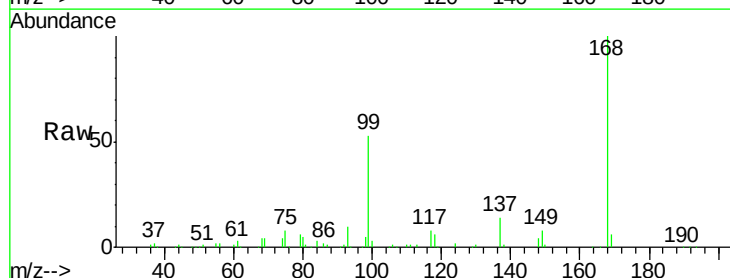
Instrument :
 MSVOA_D
 ClientSampleId :

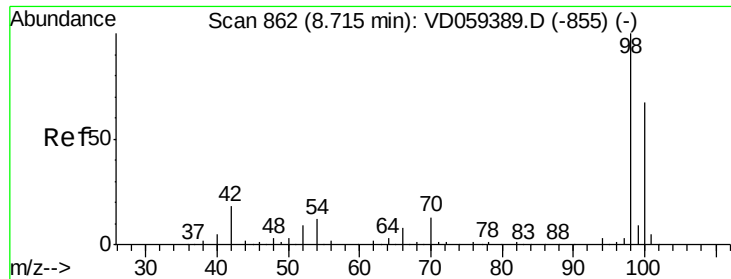
Tot Ion: 75 Resp: 77252
 Ion Ratio Lower Upper
 75 100
 110 7.5 16.1 48.2#
 77 0.0 23.4 35.2#



#38
 Carbon Tetrachloride
 Concen: 6.47 ug/l
 RT: 5.64 min Scan# 550
 Delta R.T. -0.09 min
 Lab File: VD059439.D
 Acq: 27 Jun 2018 12:30

Tgt Ion: 117 Resp: 73148
 Ion Ratio Lower Upper
 117 100
 119 3.9 76.6 115.0#
 121 0.0 25.0 37.4#

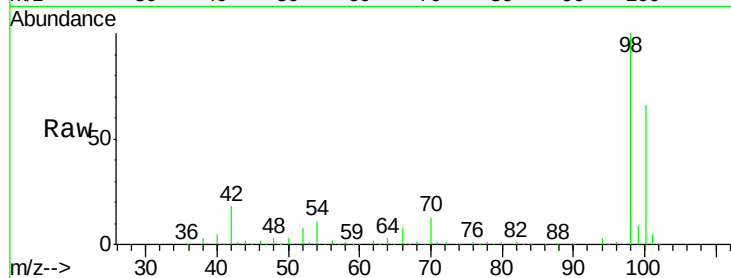




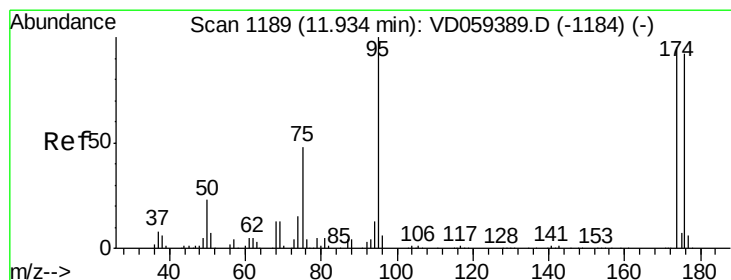
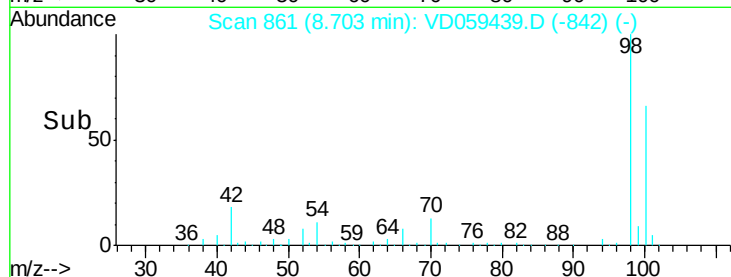
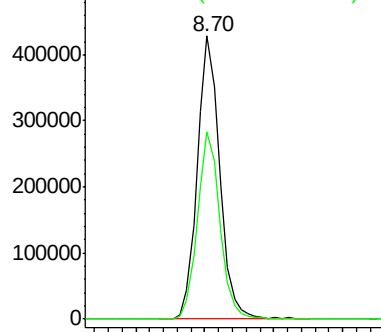
#50
Toluene-d8
Concen: N.D. ug/l
RT: 8.70 min Scan# 861
Delta R.T. -0.01 min
Lab File: VD059439.D
Acq: 27 Jun 2018 12:30

Instrument :
MSVOA_D
ClientSampleId :

Tot Ion: 98 Resp: 964970
Ion Ratio Lower Upper
98 100
100 66.3 54.4 81.6

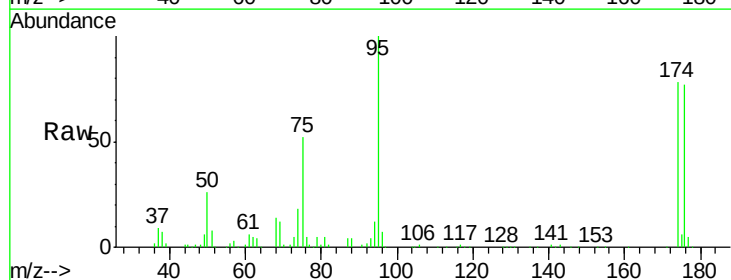


Abundance Ion 98.05 (97.75 to 98.75): VD0
Ion 100.05 (99.75 to 100.75): VD

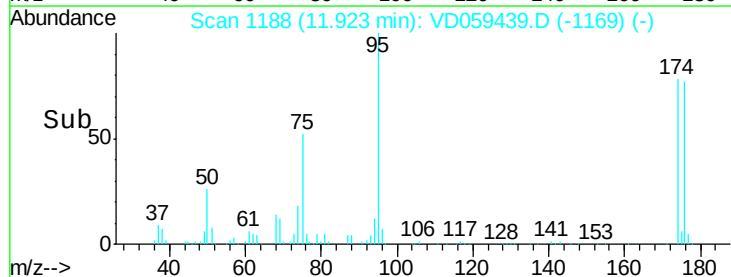
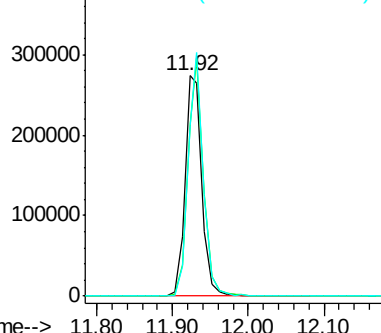


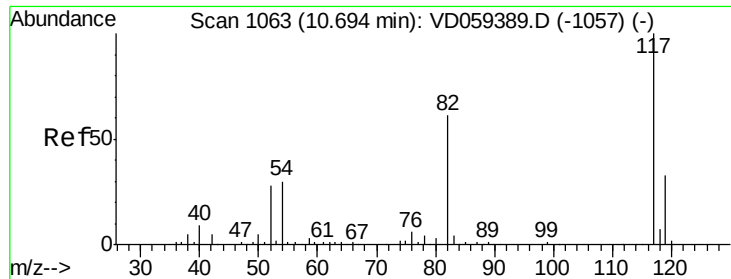
#62
4-Bromofluorobenzene
Concen: N.D. ug/l
RT: 11.92 min Scan# 1188
Delta R.T. -0.01 min
Lab File: VD059439.D
Acq: 27 Jun 2018 12:30

Tgt Ion: 95 Resp: 430092
Ion Ratio Lower Upper
95 100
174 78.1 0.0 190.4
176 77.5 0.0 183.2



Abundance Ion 95.00 (94.70 to 95.70): VD0
Ion 173.90 (173.60 to 174.60): V
Ion 175.90 (175.60 to 176.60): V

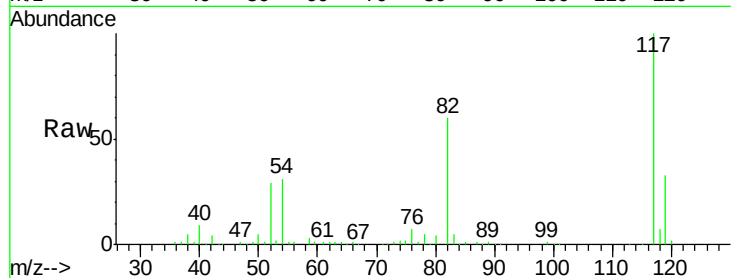




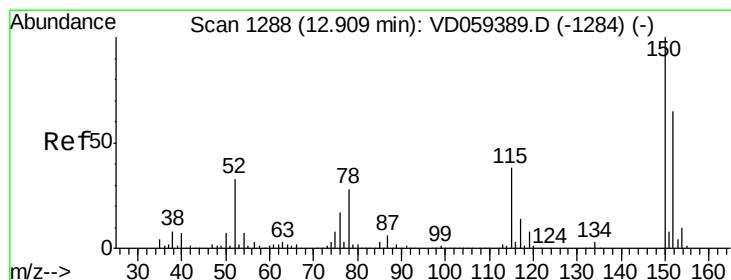
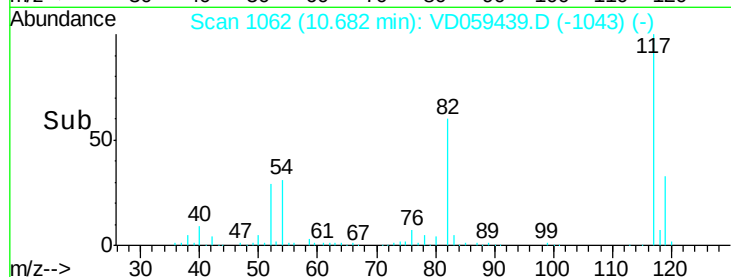
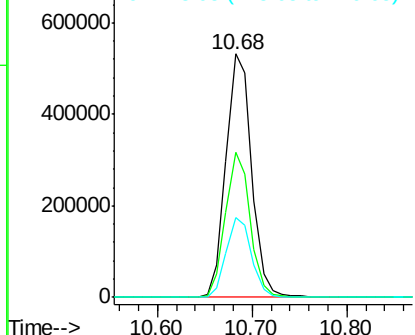
#63
Chlorobenzene-d5
Concen: 50.00 ug/l
RT: 10.68 min Scan# 1062
Delta R.T. -0.01 min
Lab File: VD059439.D
Acq: 27 Jun 2018 12:30

Instrument :
MSVOA_D
ClientSampleId :

Tot Ion:117 Resp: 997451
Ion Ratio Lower Upper
117 100
82 59.8 49.0 73.6
119 32.6 26.2 39.4

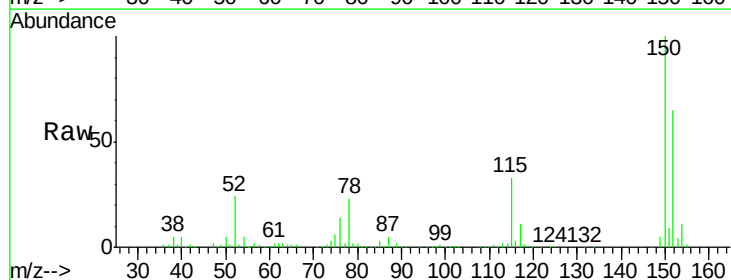


Abundance Ion 116.95 (116.65 to 117.65): V
Ion 82.05 (81.75 to 82.75): V
Ion 118.95 (118.65 to 119.65): V

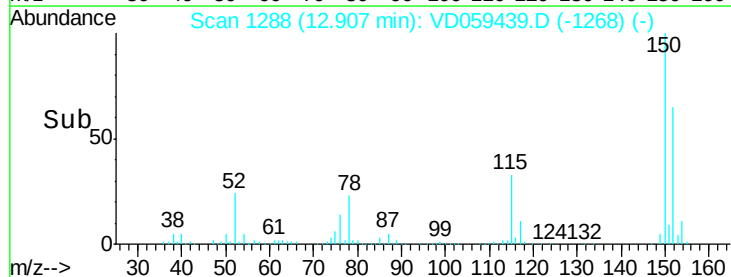
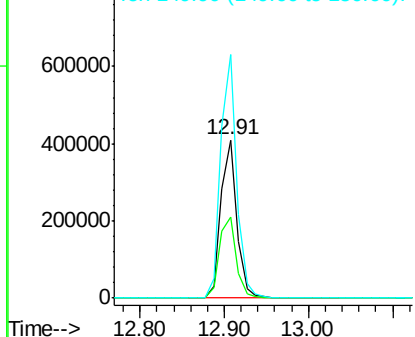


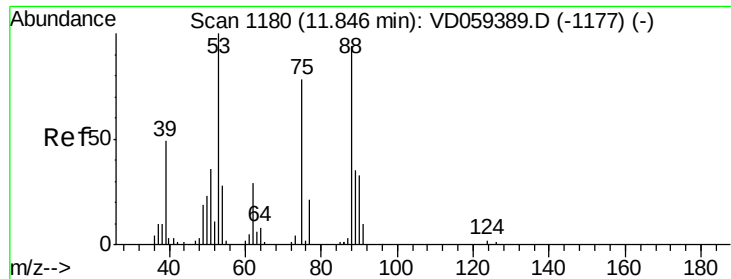
#72
1,4-Dichlorobenzene-d4
Concen: 50.00 ug/l
RT: 12.91 min Scan# 1288
Delta R.T. -0.00 min
Lab File: VD059439.D
Acq: 27 Jun 2018 12:30

Tgt Ion:152 Resp: 538762
Ion Ratio Lower Upper
152 100
115 51.5 29.4 88.3
150 154.1 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: 125.02 ug/l

RT: 11.92 min Scan# 1188

Delta R.T. 0.08 min

Lab File: VD059439.D

Acq: 27 Jun 2018 12:30

Instrument :

MSVOA_D

ClientSampleId :

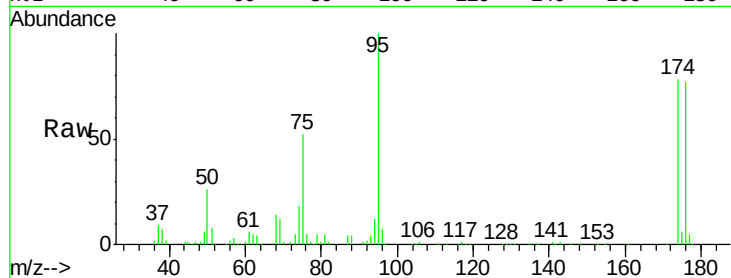
Tot Ion: 75 Resp: 211168

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

