

Data Path : Z:\VOASRV\HPCHEM1\MSVOA D\DATA\VD062818\
 Data File : VD059481.D
 Acq On : 28 Jun 2018 23:57
 Operator : VA/AP
 Sample : J3242-11
 Misc : 5.89g/5ml/MSVOA D/SOIL
 ALS Vial : 22 Sample Multiplier: 1

Instrument :
 MSVOA_D
 ClientSampleId :

Quant Time: Jun 29 01:30:00 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	565013	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	6.69	114	721513	50.00	ug/l	0.00
63) Chlorobenzene-d5	10.69	117	598278	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	12.91	152	307574	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	233346	40.38	ug/l	0.00
Spiked Amount			Recovery	=	80.76%	
35) Dibromofluoromethane	5.55	113	252955	43.04	ug/l	0.00
Spiked Amount			Recovery	=	86.08%	
50) Toluene-d8	8.71	98	463053	33.70	ug/l	0.00
Spiked Amount			Recovery	=	67.40%	
62) 4-Bromofluorobenzene	11.93	95	219062	38.33	ug/l	0.00
Spiked Amount			Recovery	=	76.66%	

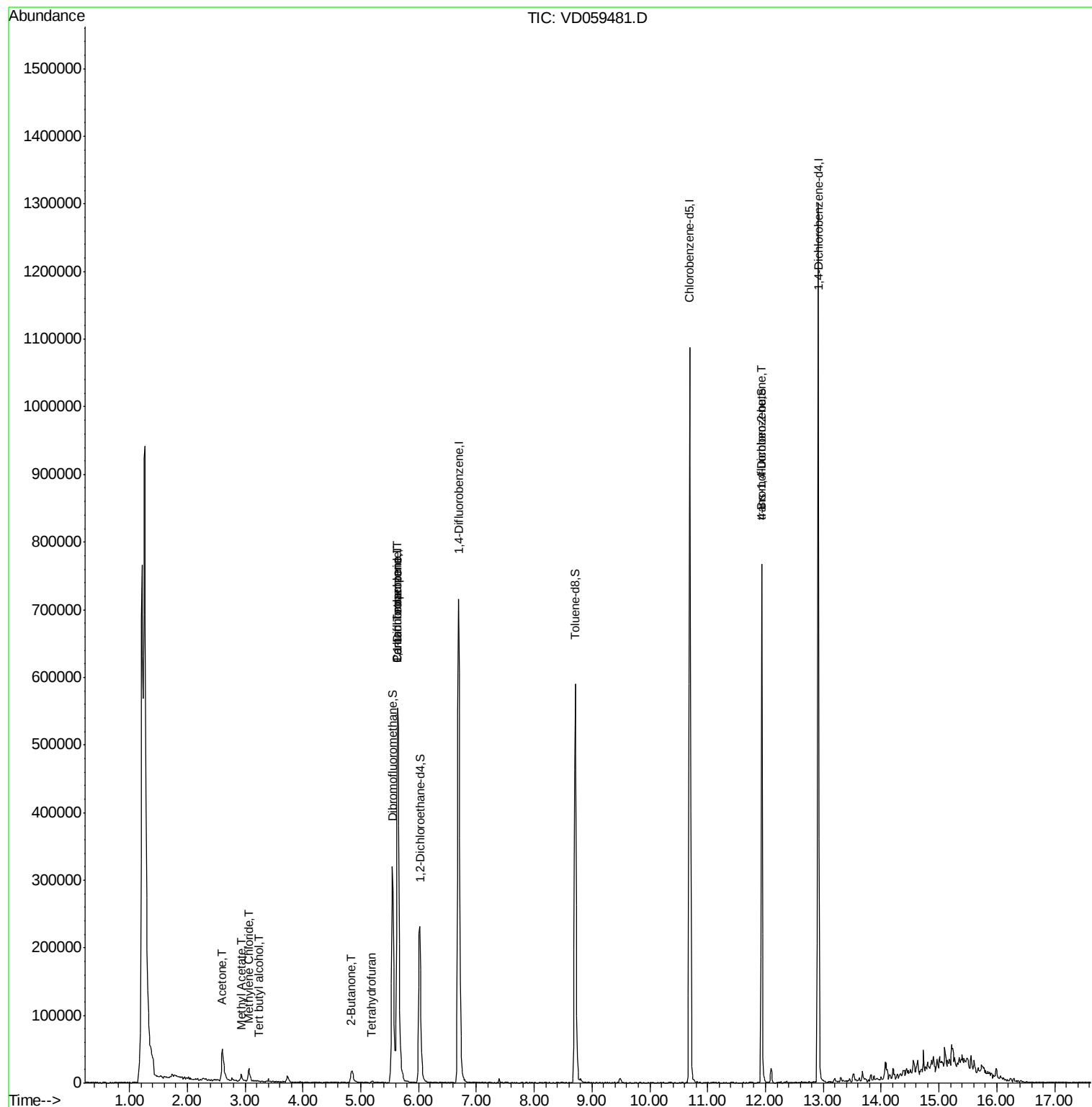
Target Compounds	R.T.	QIon	Response	Conc	Units	Qvalue
5) Bromomethane	1.82	94	233	Below Cal	#	4
11) Tert butyl alcohol	3.25	59	213	1.066	ug/l #	72
16) Acetone	2.61	43	100455	137.753	ug/l	96
18) Methyl Acetate	2.93	43	16264	6.819	ug/l #	90
20) Methylene Chloride	3.07	84	8794	1.951	ug/l #	93
25) 2-Butanone	4.85	43	6138	4.018	ug/l #	57
29) Tetrahydrofuran	5.19	42	1212	1.450	ug/l #	49
31) Cyclohexane	5.64	56	13117	Below Cal	#	1
36) 1,1-Dichloropropene	5.64	75	46496	7.104	ug/l #	53
38) Carbon Tetrachloride	5.64	117	44630	6.614	ug/l #	16
81) trans-1,4-Dichloro-2-buten	11.93	75	105383	109.286	ug/l #	1

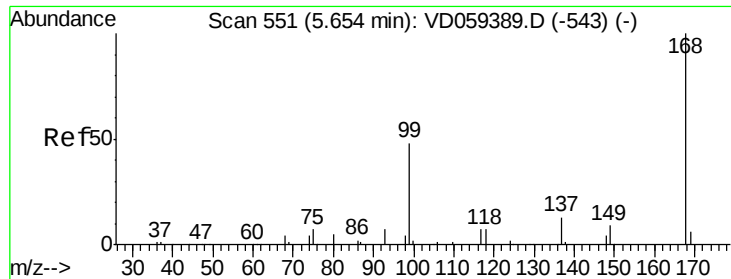
(#) = qualifier out of range (m) = manual integration (+) = signals summed

Data Path : Z:\V0ASRV\HPCHEM1\MSVOA D\DATA\VD062818\
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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: 5.65 min Scan# 551

Delta R.T. -0.01 min

Lab File: VD059481.D

Acq: 28 Jun 2018 23:57

Instrument :

MSVOA_D

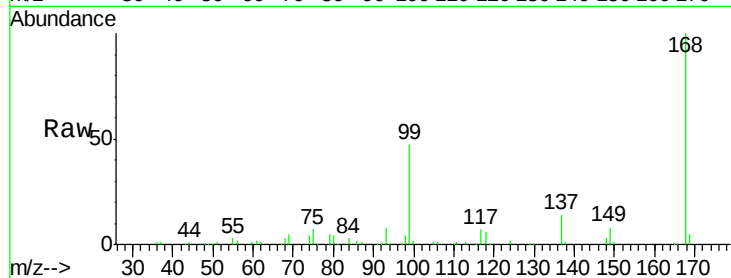
ClientSampleId :

Tot Ion:168 Resp: 565013

Ion Ratio Lower Upper

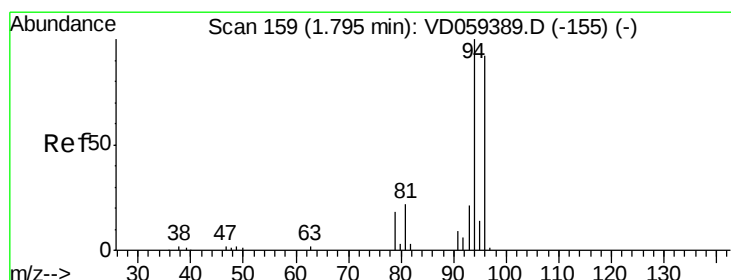
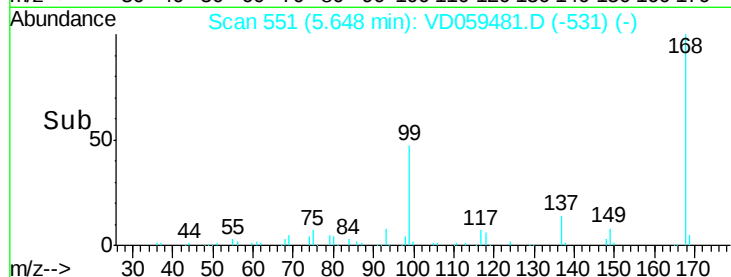
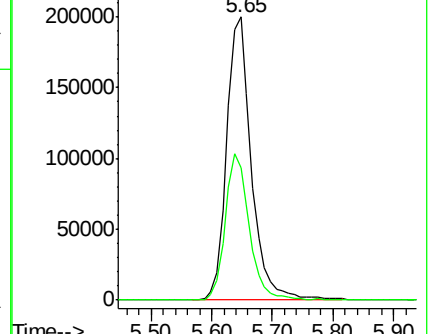
168 100

99 46.6 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: 1.82 min Scan# 162

Delta R.T. 0.02 min

Lab File: VD059481.D

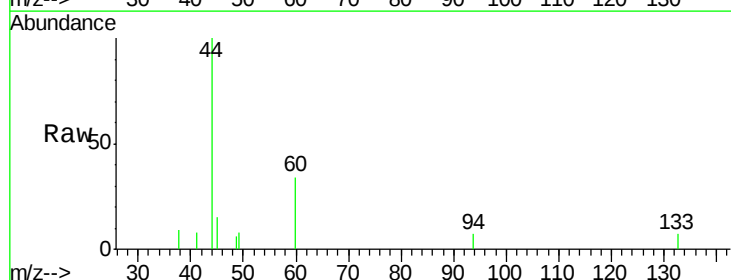
Acq: 28 Jun 2018 23:57

Tgt Ion: 94 Resp: 233

Ion Ratio Lower Upper

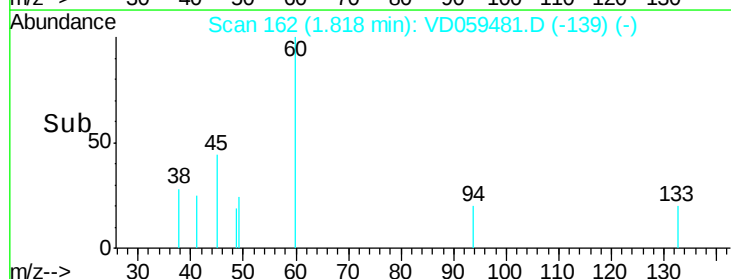
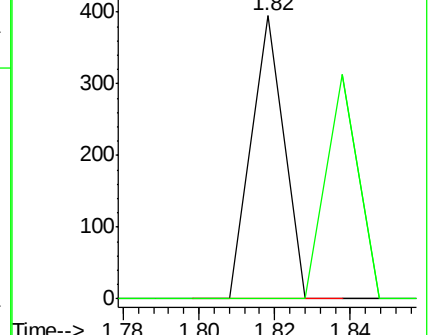
94 100

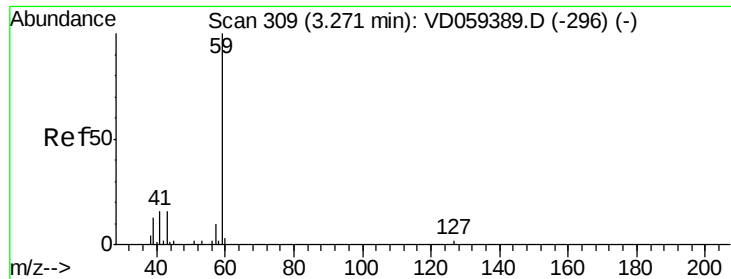
96 0.0 73.4 110.0#



Abundance Ion 93.90 (93.60 to 94.60): VDC

Ion 95.90 (95.60 to 96.60): VDC

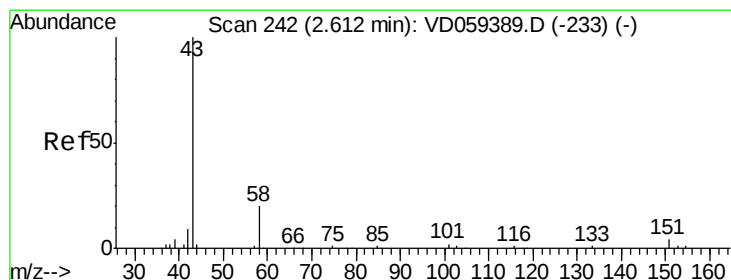
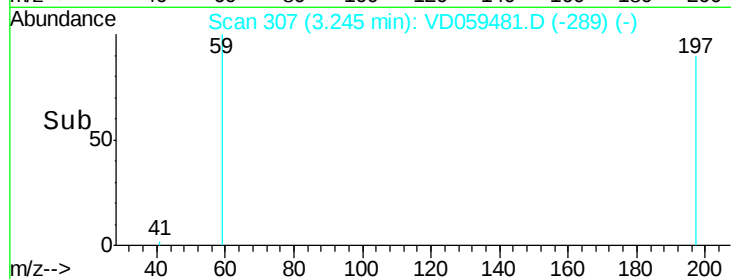
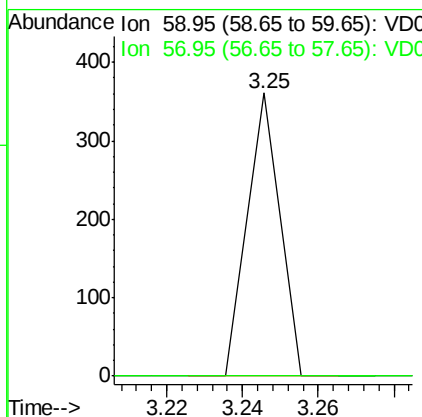
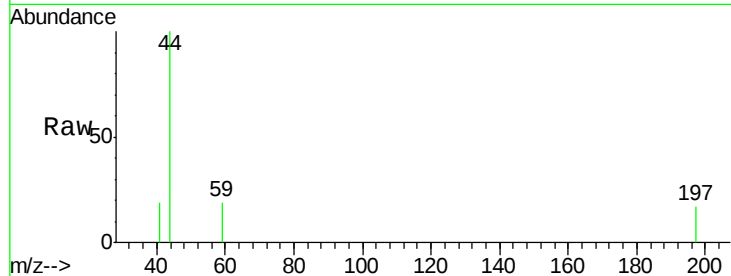




#11
Tert butyl alcohol
Concen: 1.066 ug/l
RT: 3.25 min Scan# 307
Delta R.T. -0.03 min
Lab File: VD059481.D
Acq: 28 Jun 2018 23:57

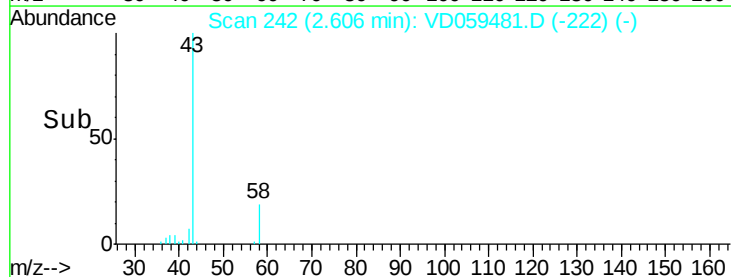
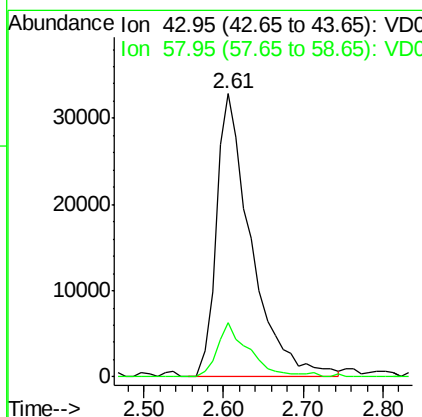
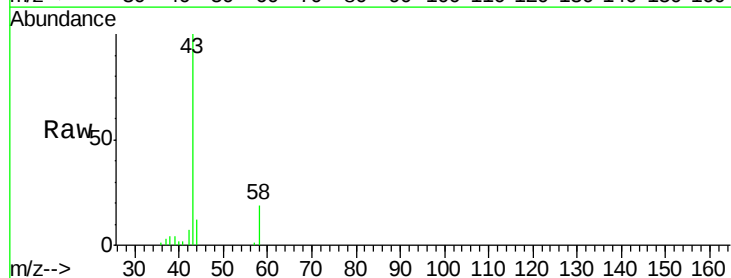
Instrument :
MSVOA_D
ClientSampled :

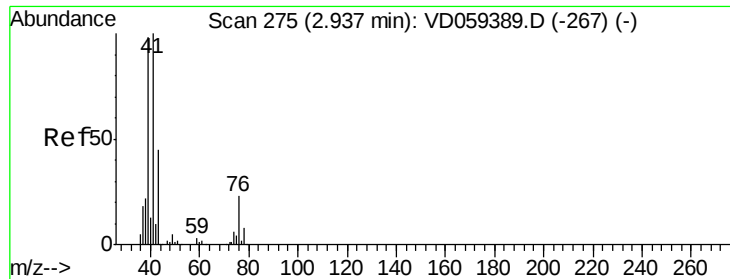
Tot Ion: 59 Resp: 213
Ion Ratio Lower Upper
59 100
57 0.0 8.3 12.5#



#16
Acetone
Concen: 137.753 ug/l
RT: 2.61 min Scan# 242
Delta R.T. -0.01 min
Lab File: VD059481.D
Acq: 28 Jun 2018 23:57

Tgt Ion: 43 Resp: 100455
Ion Ratio Lower Upper
43 100
58 19.1 16.8 25.2

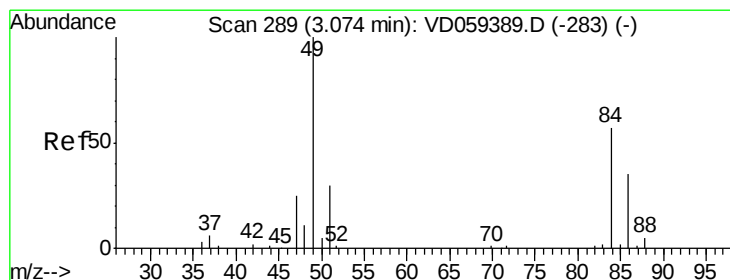
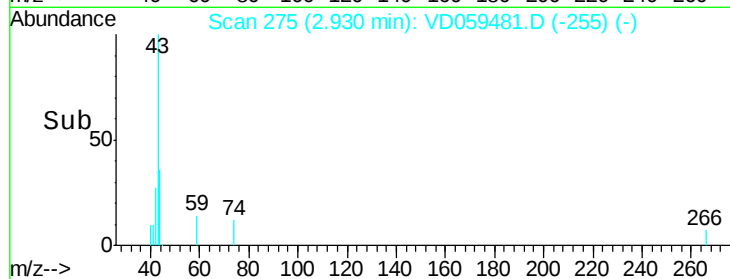
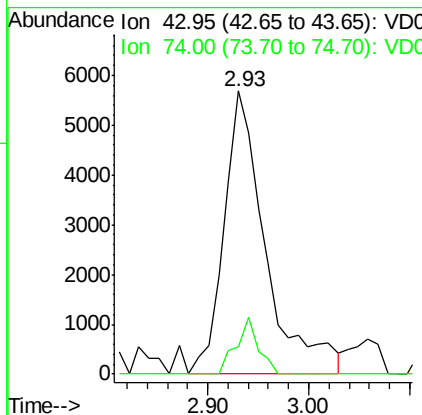
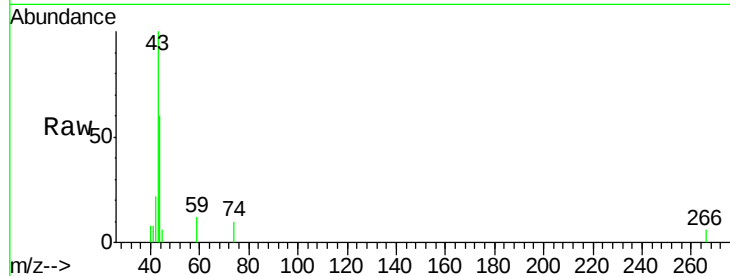




#18
Methyl Acetate
Concen: 6.819 ug/l
RT: 2.93 min Scan# 275
Delta R.T. -0.01 min
Lab File: VD059481.D
Acq: 28 Jun 2018 23:57

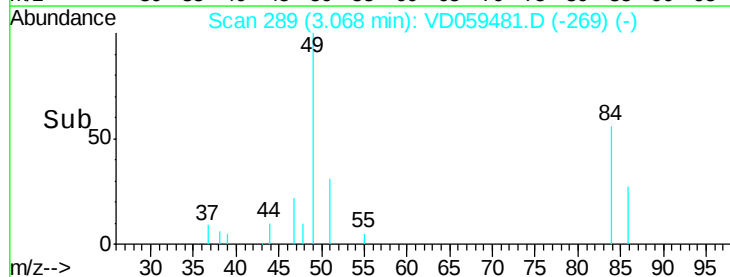
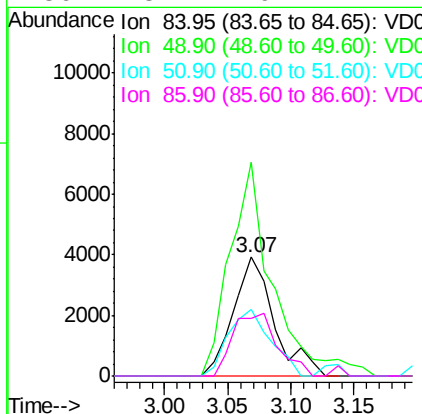
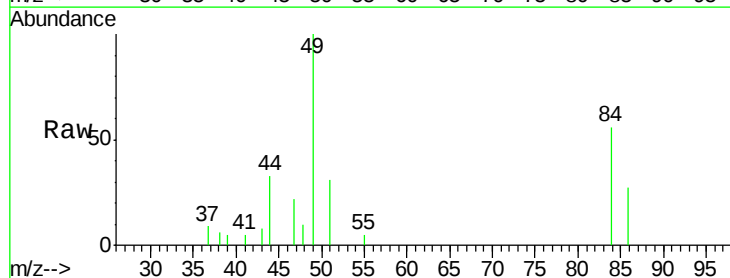
Instrument :
MSVOA_D
ClientSampleId :

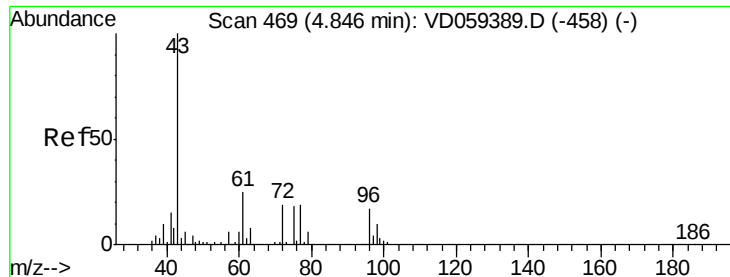
Tot Ion: 43 Resp: 16264
Ion Ratio Lower Upper
43 100
74 9.7 11.0 16.4#



#20
Methylene Chloride
Concen: 1.951 ug/l
RT: 3.07 min Scan# 289
Delta R.T. -0.01 min
Lab File: VD059481.D
Acq: 28 Jun 2018 23:57

Tgt Ion: 84 Resp: 8794
Ion Ratio Lower Upper
84 100
49 180.1 140.3 210.5
51 55.8 41.6 62.4
86 48.4 49.4 74.2#





#25

2-Butanone

Concen: 4.018 ug/l

RT: 4.85 min Scan# 470

Delta R.T. 0.00 min

Lab File: VD059481.D

Acq: 28 Jun 2018 23:57

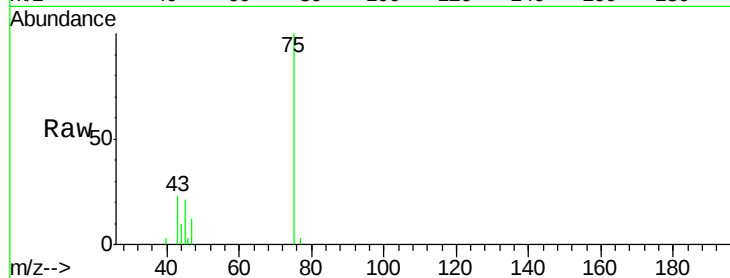
Instrument :
MSVOA_D
ClientSampled :

Tot Ion: 43 Resp: 6138

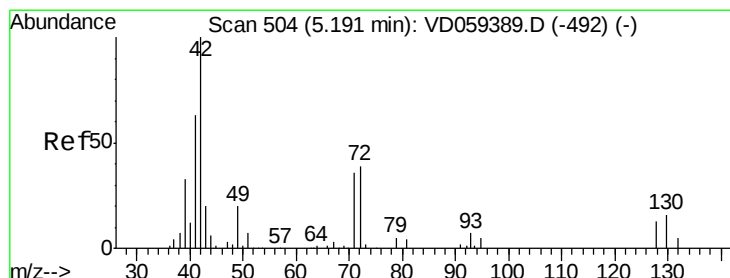
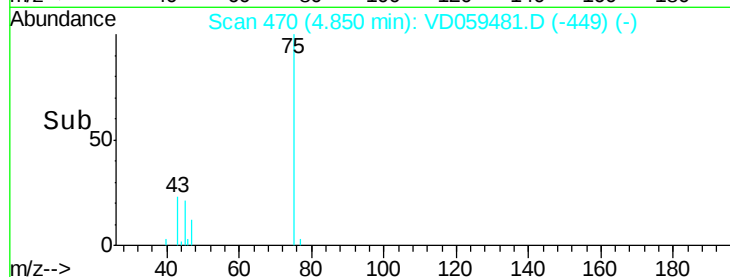
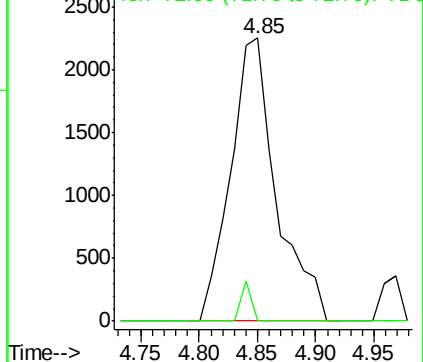
Ion Ratio Lower Upper

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: 1.450 ug/l

RT: 5.19 min Scan# 505

Delta R.T. 0.00 min

Lab File: VD059481.D

Acq: 28 Jun 2018 23:57

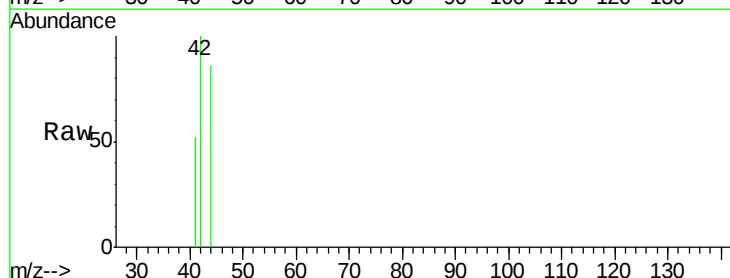
Tgt Ion: 42 Resp: 1212

Ion Ratio Lower Upper

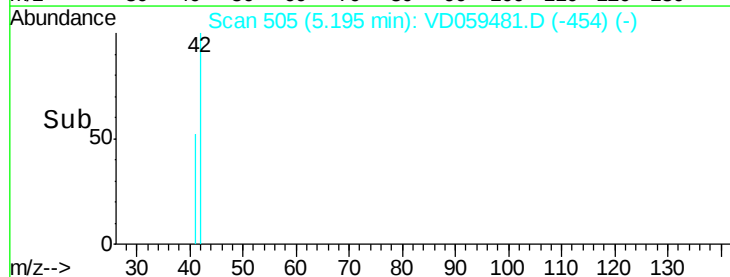
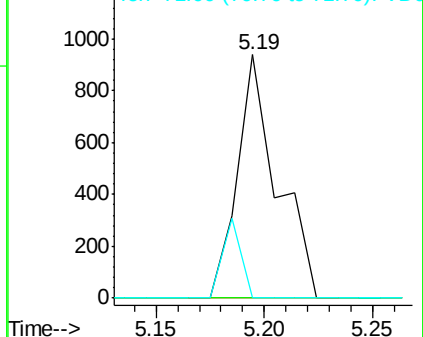
42 100

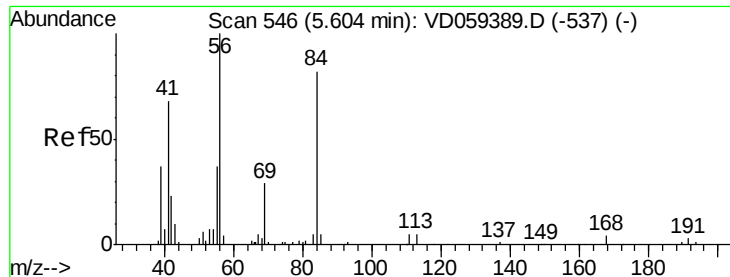
72 0.0 31.4 47.2#

71 15.0 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

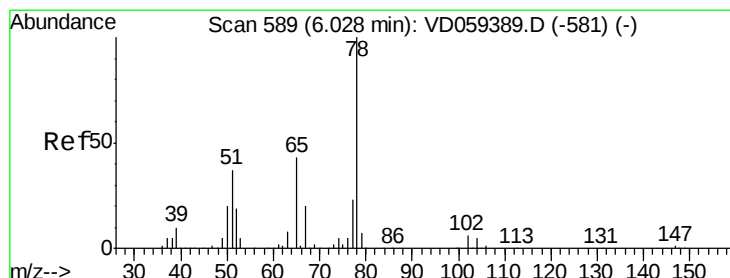
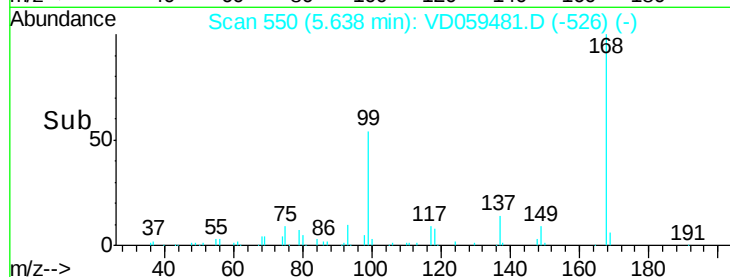
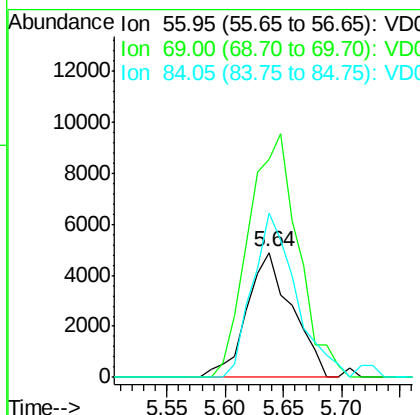
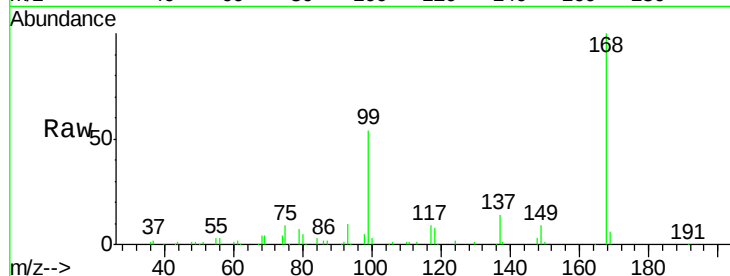




#31
Cyclohexane
Concen: Below Cal
RT: 5.64 min Scan# 550
Delta R.T. 0.03 min
Lab File: VD059481.D
Acq: 28 Jun 2018 23:57

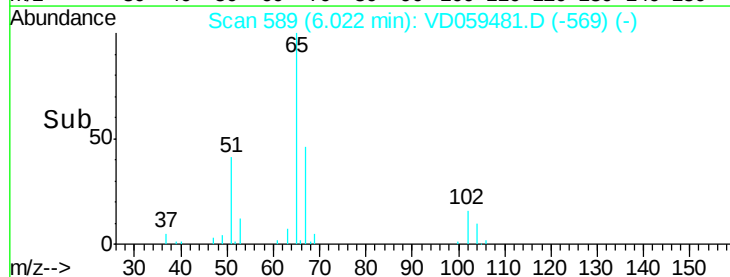
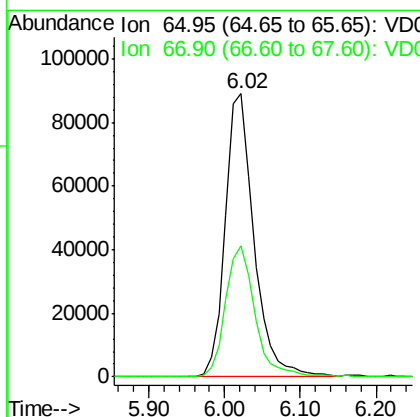
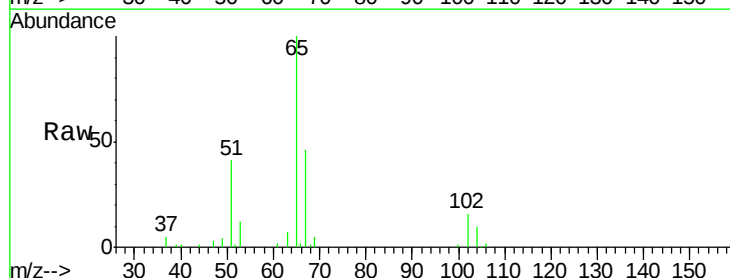
Instrument :
MSVOA_D
ClientSampleId :

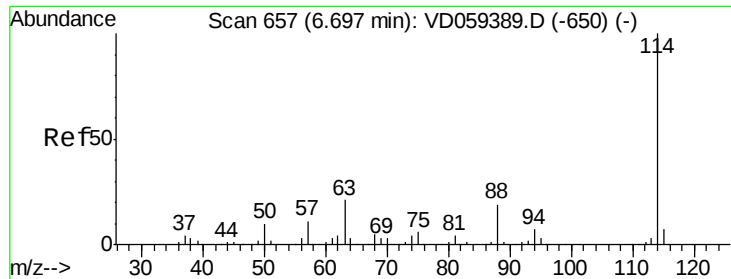
Tot Ion: 56 Resp: 13117
Ion Ratio Lower Upper
56 100
69 174.6 22.9 34.3#
84 132.2 67.3 100.9#



#33
1,2-Dichloroethane-d4
Concen: Below ug/l
RT: 6.02 min Scan# 589
Delta R.T. -0.01 min
Lab File: VD059481.D
Acq: 28 Jun 2018 23:57

Tgt Ion: 65 Resp: 233346
Ion Ratio Lower Upper
65 100
67 46.1 0.0 93.8

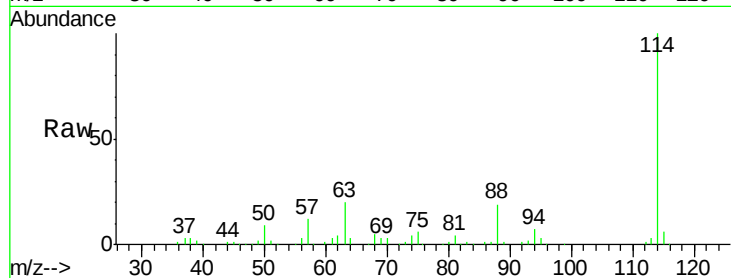




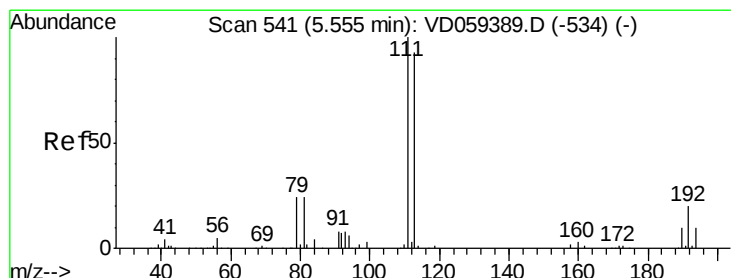
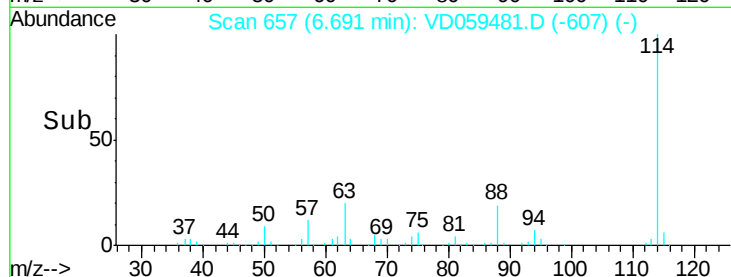
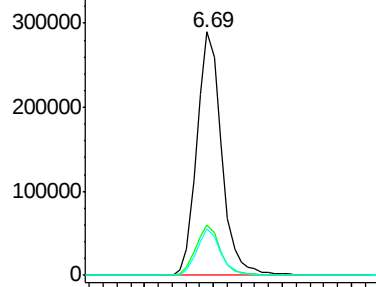
#34
 1,4-Difluorobenzene
 Concen: 50.000 ug/l
 RT: 6.69 min Scan# 657
 Delta R.T. -0.01 min
 Lab File: VD059481.D
 Acq: 28 Jun 2018 23:57

Instrument :
 MSVOA_D
 ClientSampleId :

Tot Ion:114 Resp: 721513
 Ion Ratio Lower Upper
 114 100
 63 20.5 0.0 42.4
 88 18.9 0.0 38.0

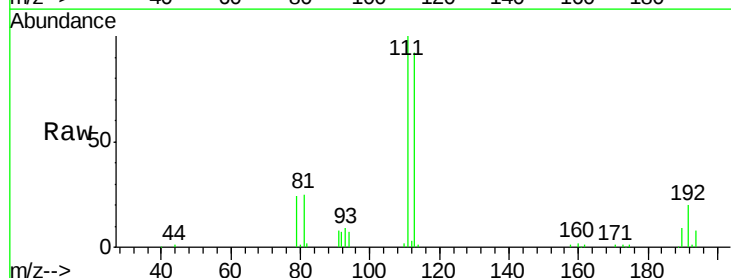


Abundance Ion 114.00 (113.70 to 114.70): V
 Ion 62.95 (62.65 to 63.65): V
 Ion 87.90 (87.60 to 88.60): V

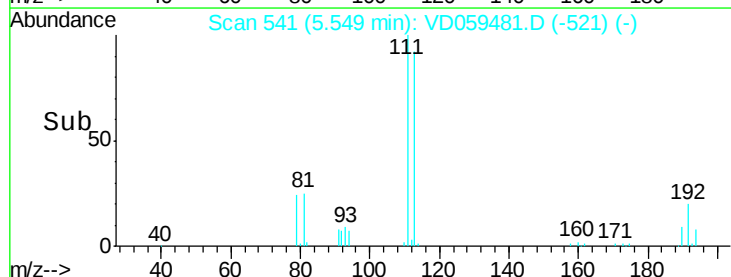
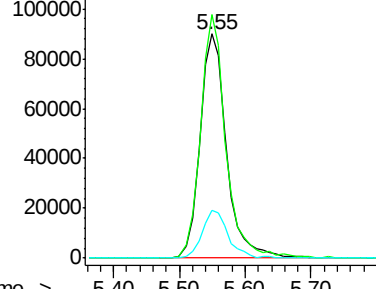


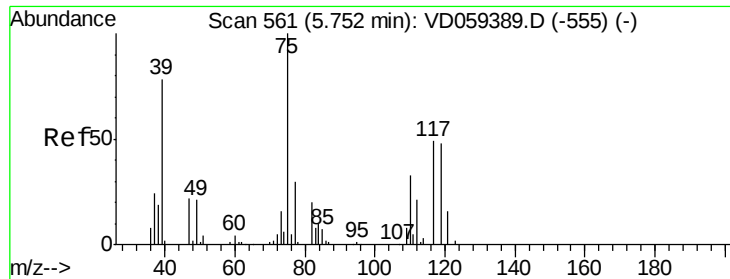
#35
 Dibromofluoromethane
 Concen: 50.000 ug/l
 RT: 5.55 min Scan# 541
 Delta R.T. -0.01 min
 Lab File: VD059481.D
 Acq: 28 Jun 2018 23:57

Tgt Ion:113 Resp: 252955
 Ion Ratio Lower Upper
 113 100
 111 108.7 85.7 128.5
 192 21.2 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: 7.104 ug/l

RT: 5.64 min Scan# 550

Delta R.T. -0.11 min

Lab File: VD059481.D

Acq: 28 Jun 2018 23:57

Instrument :

MSVOA_D

ClientSampleId :

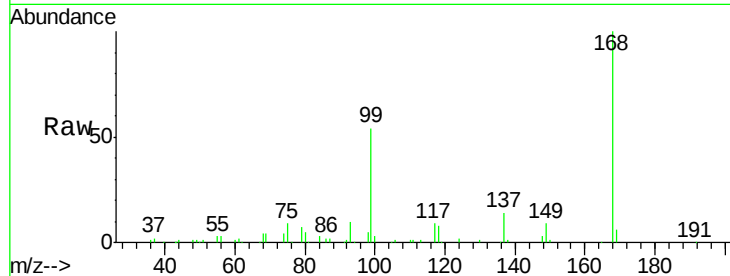
Tot Ion: 75 Resp: 46496

Ion Ratio Lower Upper

75 100

110 9.5 16.1 48.2#

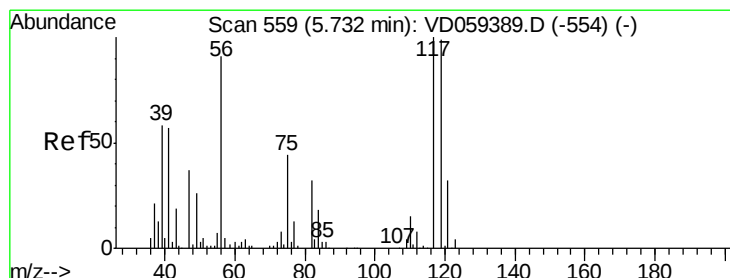
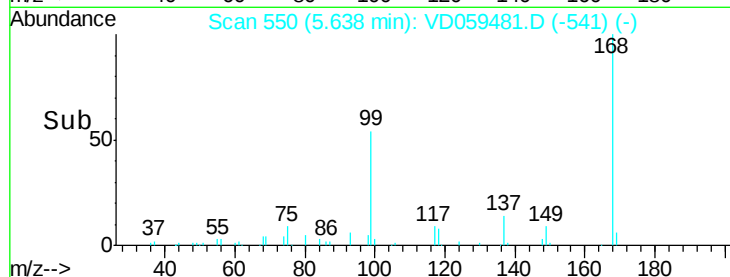
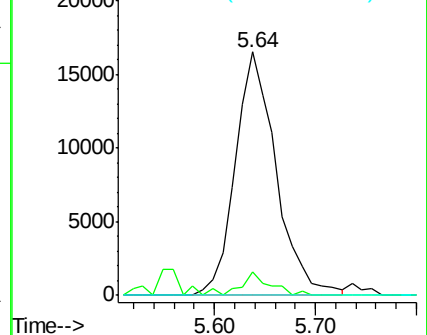
77 0.0 23.4 35.2#



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: 6.614 ug/l

RT: 5.64 min Scan# 550

Delta R.T. -0.09 min

Lab File: VD059481.D

Acq: 28 Jun 2018 23:57

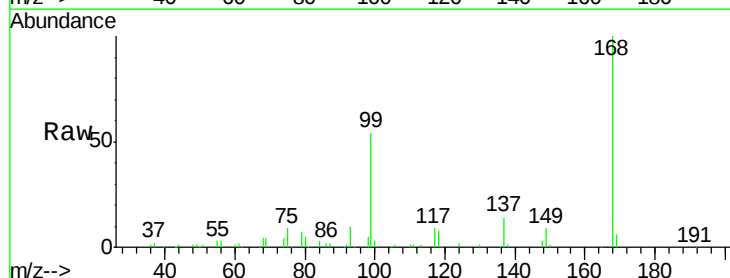
Tgt Ion: 117 Resp: 44630

Ion Ratio Lower Upper

117 100

119 4.5 76.6 115.0#

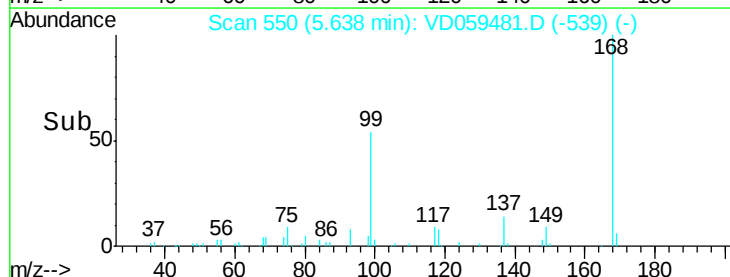
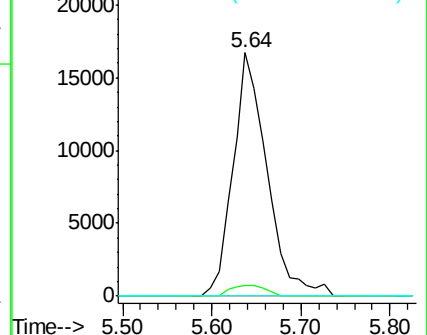
121 0.0 25.0 37.4#

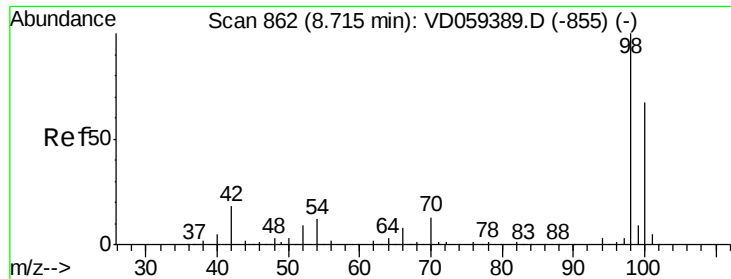


Abundance Ion 116.85 (116.55 to 117.55): V

Ion 118.85 (118.55 to 119.55): V

Ion 120.85 (120.55 to 121.55): V

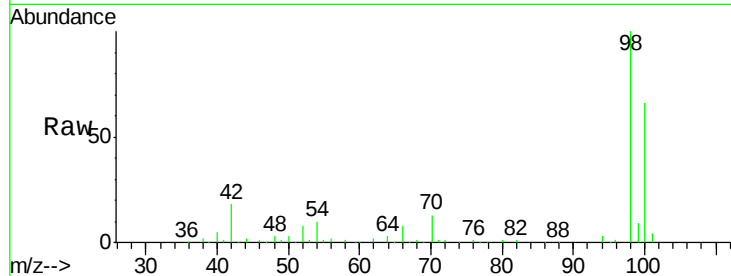




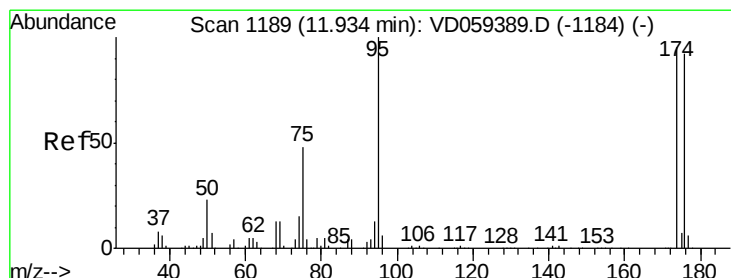
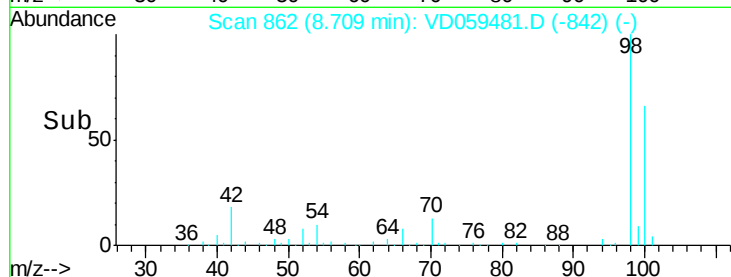
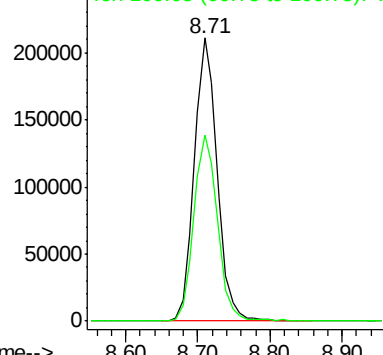
#50
Toluene-d8
Concen: N.D. ug/l
RT: 8.71 min Scan# 862
Delta R.T. -0.01 min
Lab File: VD059481.D
Acq: 28 Jun 2018 23:57

Instrument :
MSVOA_D
ClientSampleId :

Tot Ion: 98 Resp: 463053
Ion Ratio Lower Upper
98 100
100 65.8 54.4 81.6

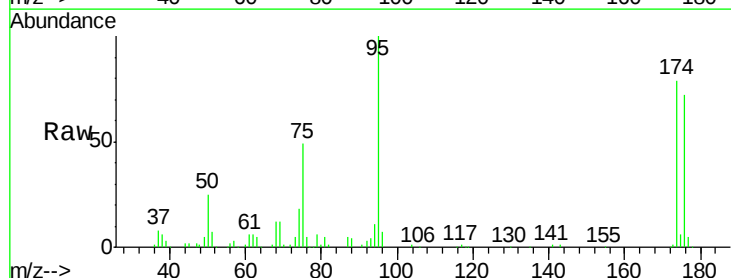


Abundance Ion 98.05 (97.75 to 98.75): VD059389.D (-855) (-)
Ion 100.05 (99.75 to 100.75): VD059389.D (-855) (-)

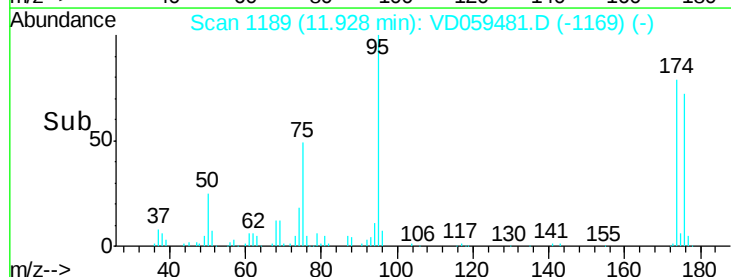
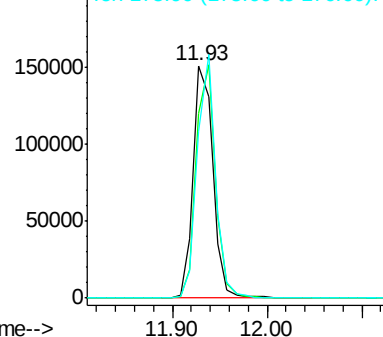


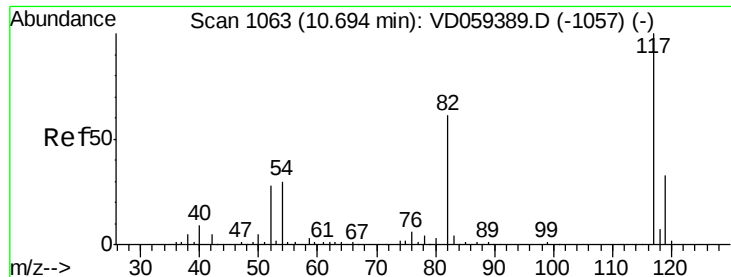
#62
4-Bromofluorobenzene
Concen: N.D. ug/l
RT: 11.93 min Scan# 1189
Delta R.T. -0.01 min
Lab File: VD059481.D
Acq: 28 Jun 2018 23:57

Tgt Ion: 95 Resp: 219062
Ion Ratio Lower Upper
95 100
174 79.2 0.0 190.4
176 71.7 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: VD059481.D

Acq: 28 Jun 2018 23:57

Instrument :

MSVOA_D

ClientSampleId :

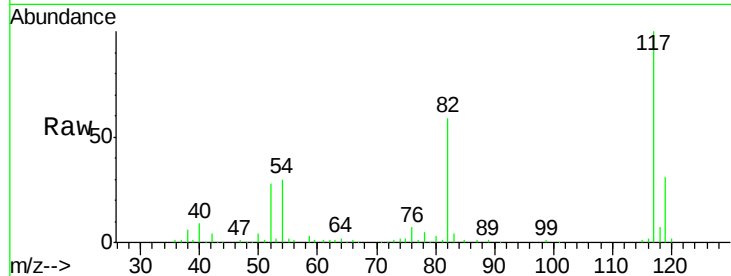
Tot Ion:117 Resp: 598278

Ion Ratio Lower Upper

117 100

82 59.3 49.0 73.6

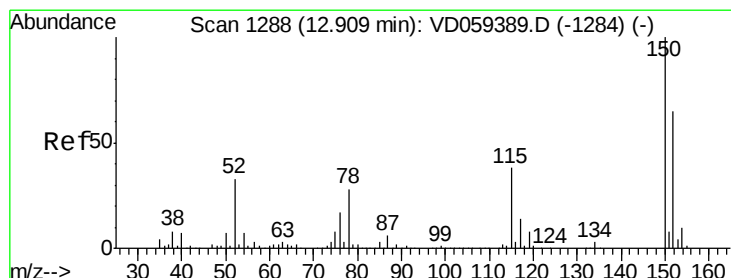
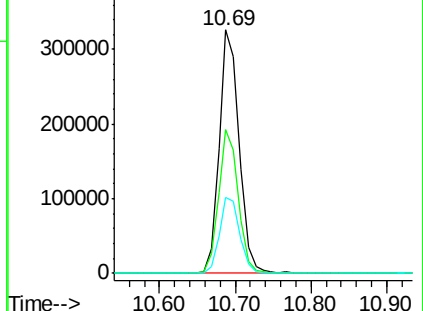
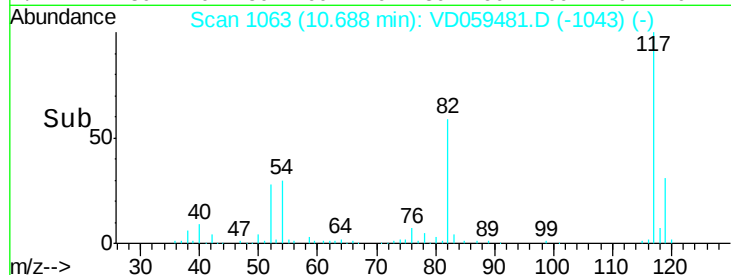
119 31.1 26.2 39.4



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: VD059481.D

Acq: 28 Jun 2018 23:57

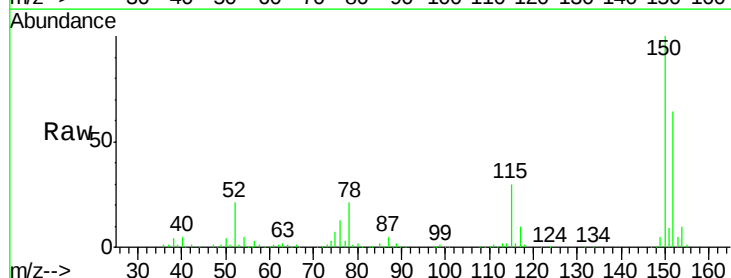
Tgt Ion:152 Resp: 307574

Ion Ratio Lower Upper

152 100

115 47.1 29.4 88.3

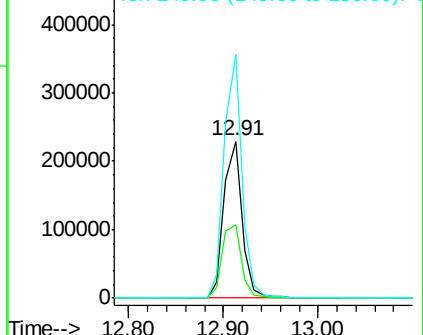
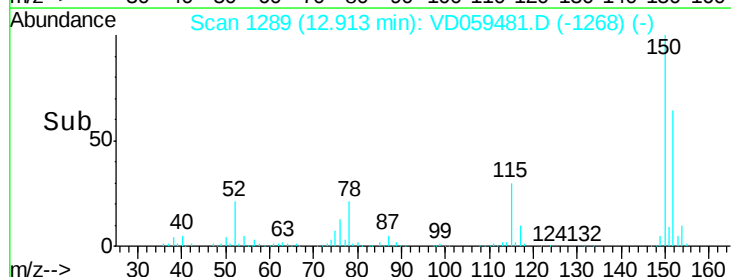
150 155.1 0.0 308.2

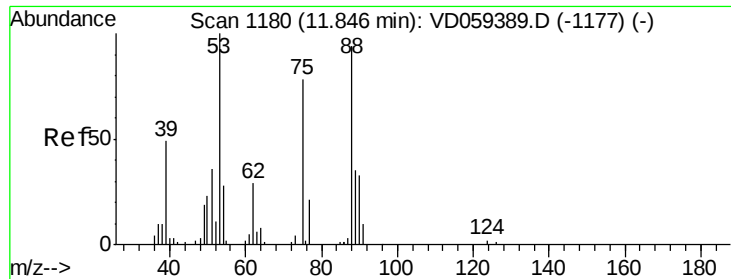


Abundance Ion 151.90 (151.60 to 152.60): V

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: 109.286 ug/l

RT: 11.93 min Scan# 1189

Delta R.T. 0.08 min

Lab File: VD059481.D

Acq: 28 Jun 2018 23:57

Instrument :

MSVOA_D

ClientSampleId :

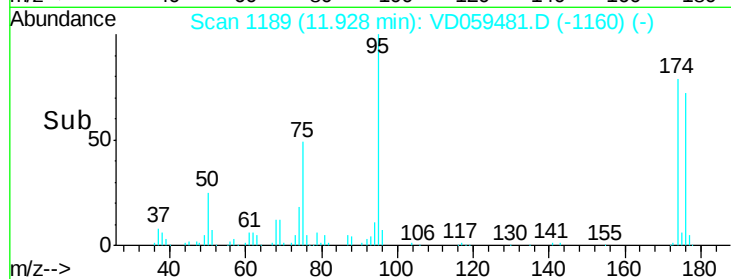
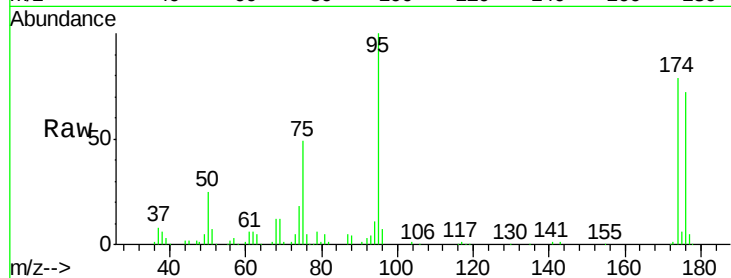
Tot Ion: 75 Resp: 105383

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

