

Data Path : Z:\VOASRV\HPCHEM1\MSVOA D\DATA\VD092018\
 Data File : VD060050.D
 Acq On : 20 Sep 2018 11:50
 Operator : VA/AP
 Sample : VD0920SBL01
 Misc : 5.00g/5ml/MSVOA D/SOIL
 ALS Vial : 2 Sample Multiplier: 1

Instrument :
 MSVOA_D
 ClientSampleId :
 VD0920SBL01

Quant Time: Sep 20 16:00:14 2018
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_D\METHOD\82D091318S.M
 Quant Title : SW846 8260
 QLast Update : Thu Sep 13 16:17:40 2018
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Pentafluorobenzene	6.38	168	1574052	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	7.43	114	2146175	50.00	ug/l	0.00
63) Chlorobenzene-d5	11.28	117	1802410	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.36	152	947542	50.00	ug/l	0.00

System Monitoring Compounds	R.T.	QIon	Response	Conc	Units	Dev(Min)
33) 1,2-Dichloroethane-d4	6.77	65	676003	55.07	ug/l	0.00
Spiked Amount			Recovery	=	110.14%	
35) Dibromofluoromethane	6.31	113	897046	53.50	ug/l	0.00
Spiked Amount			Recovery	=	107.00%	
50) Toluene-d8	9.44	98	2462243	52.99	ug/l	0.00
Spiked Amount			Recovery	=	105.98%	
62) 4-Bromofluorobenzene	12.42	95	962992	54.24	ug/l	0.00
Spiked Amount			Recovery	=	108.48%	

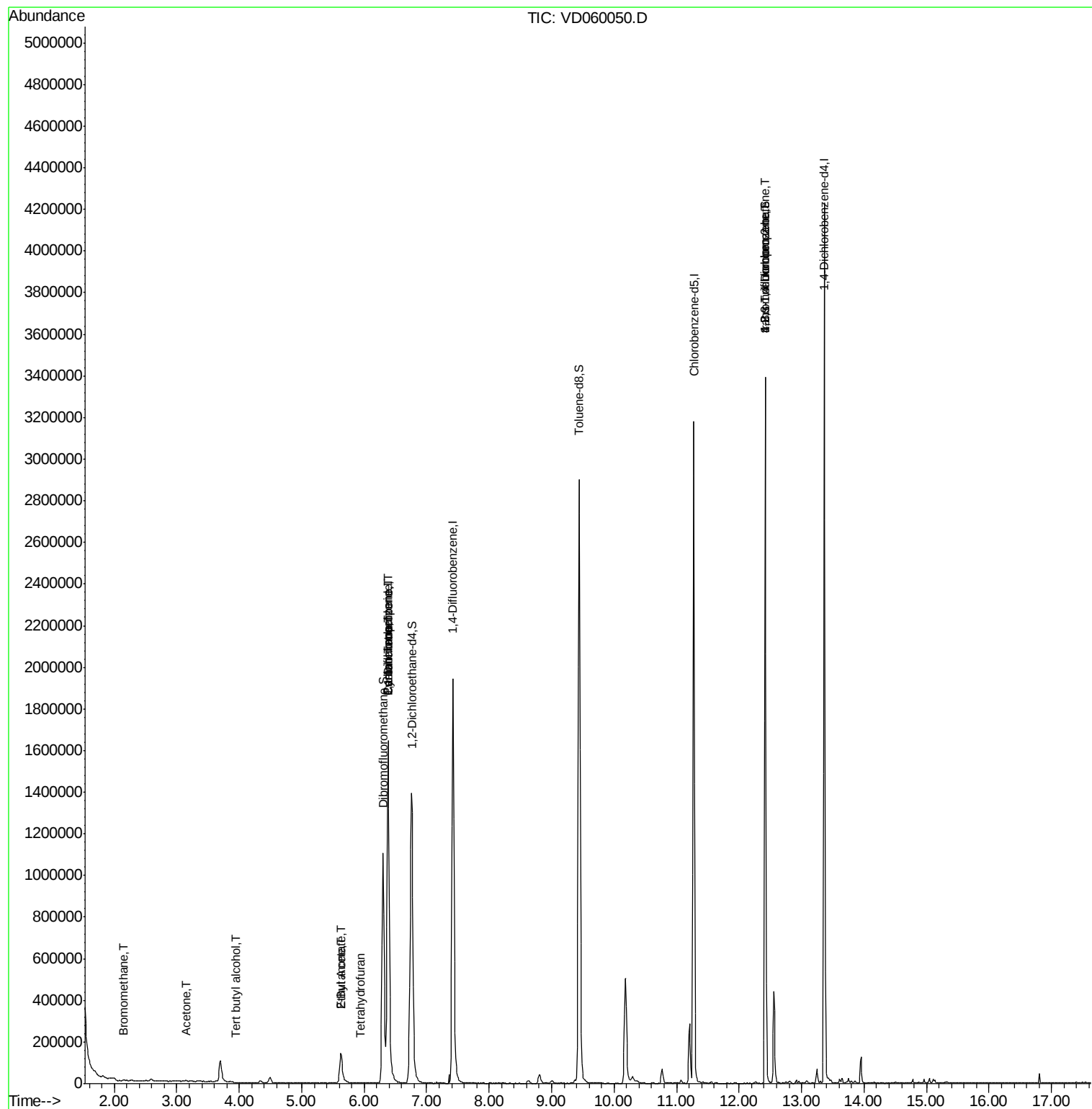
Target Compounds	R.T.	QIon	Response	Conc	Units	Qvalue
5) Bromomethane	2.14	94	2676	1.92	ug/l #	1
11) Tert butyl alcohol	3.93	59	3012	3.04	ug/l #	74
16) Acetone	3.14	43	13899	5.86	ug/l #	75
20) Methylene Chloride	3.70	84	63306	Below Cal		96
25) 2-Butanone	5.63	43	17672	2.76	ug/l #	61
29) Tetrahydrofuran	5.93	42	4001	1.17	ug/l #	46
31) Cyclohexane	6.37	56	29501	1.08	ug/l #	1
36) 1,1-Dichloropropene	6.38	75	113852	5.34	ug/l #	46
37) Ethyl Acetate	5.63	43	18141	1.24	ug/l #	20
38) Carbon Tetrachloride	6.38	117	122542	6.16	ug/l #	15
51) 4-Methyl-2-Pentanone	9.33	43	3508	Below Cal	#	74
59) 2-Hexanone	10.48	43	1487	Below Cal		81
76) 1,2,3-Trichloropropane	12.42	75	266806	18.44	ug/l #	44
81) trans-1,4-Dichloro-2-buten	12.42	75	383067	87.69	ug/l #	15
89) n-Butylbenzene	13.64	91	3093	Below Cal		94
91) 1,2-Dichlorobenzene	13.66	146	2801	Below Cal		84

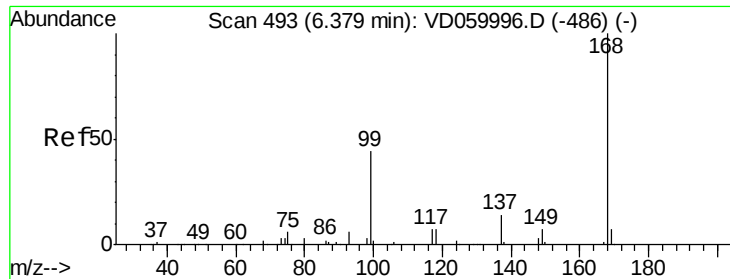
(#) = qualifier out of range (m) = manual integration (+) = signals summed

Data Path : Z:\V0ASRV\HPCHEM1\MSVOA D\DATA\VD092018\
Data File : VD060050.D
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Quant Method : Z:\V0ASRV\HPCHEM1\MSVOA_D\METHOD\82D091318S.M
Quant Title : SW846 8260
QLast Update : Thu Sep 13 16:17:40 2018
Response via : Initial Calibration





#1

Pentafluorobenzene

Concen: 50.00 ug/l

RT: 6.38 min Scan# 494

Delta R.T. 0.01 min

Lab File: VD060050.D

Acq: 20 Sep 2018 11:50

Instrument :

MSVOA_D

ClientSampleId :

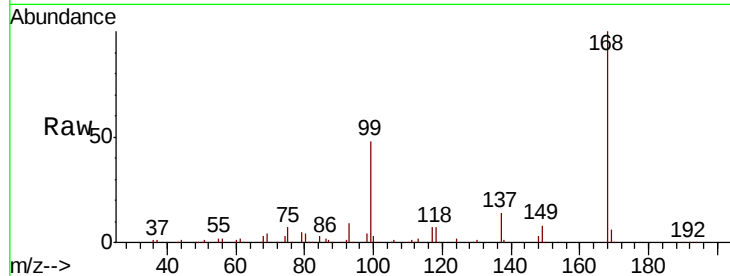
VD0920SBL01

Tot Ion:168 Resp: 1574052

Ion Ratio Lower Upper

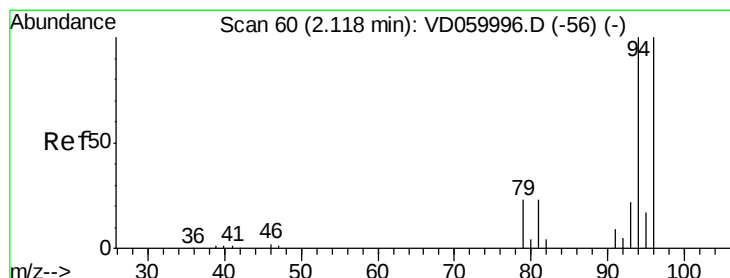
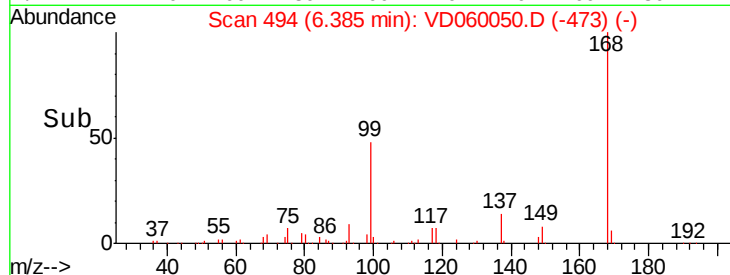
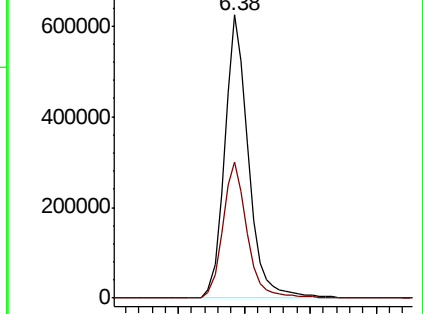
168 100

99 48.1 38.5 57.7



Abundance Ion 167.90 (167.60 to 168.60): V

Ion 98.95 (98.65 to 99.65): VDC



#5

Bromomethane

Concen: 1.92 ug/l

RT: 2.14 min Scan# 63

Delta R.T. 0.03 min

Lab File: VD060050.D

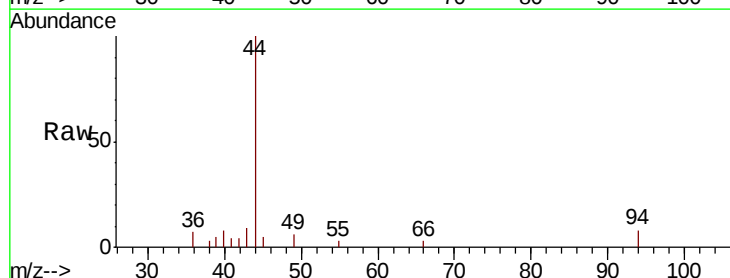
Acq: 20 Sep 2018 11:50

Tgt Ion: 94 Resp: 2676

Ion Ratio Lower Upper

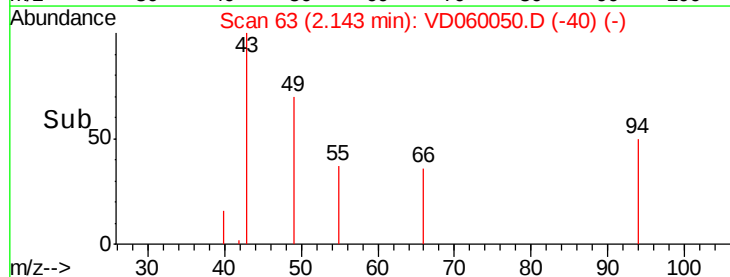
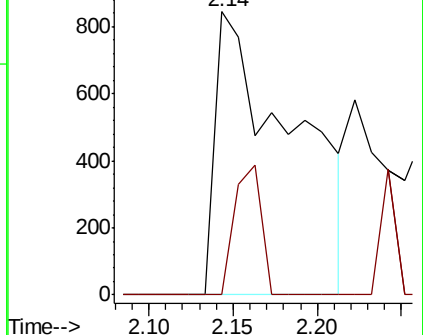
94 100

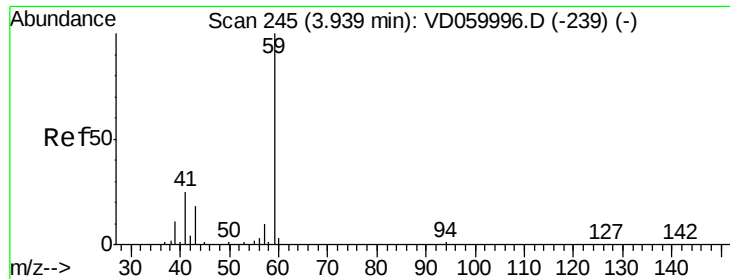
96 0.0 79.8 119.8#



Abundance Ion 93.90 (93.60 to 94.60): VDC

Ion 95.90 (95.60 to 96.60): VDC

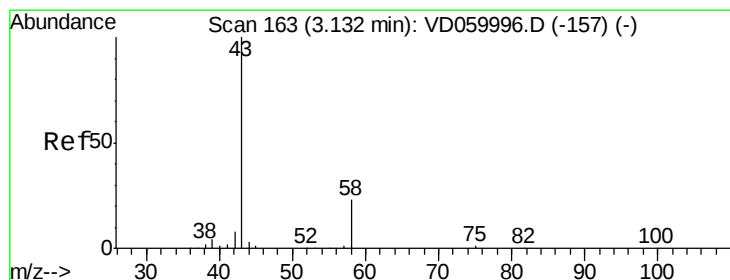
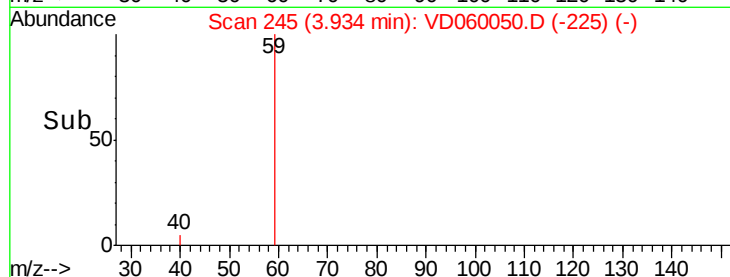
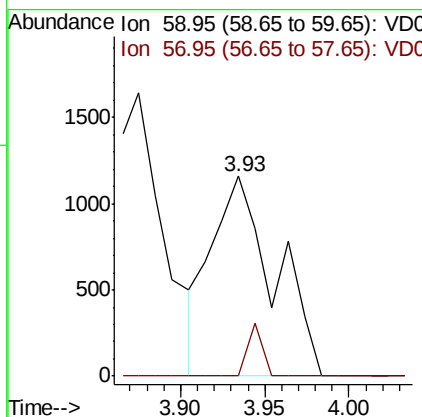
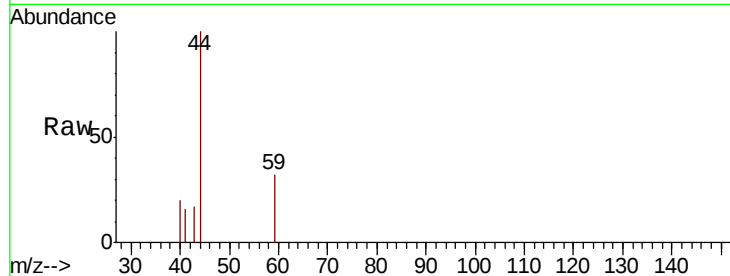




#11
Tert butyl alcohol
Concen: 3.04 ug/l
RT: 3.93 min Scan# 245
Delta R.T. -0.00 min
Lab File: VD060050.D
Acq: 20 Sep 2018 11:50

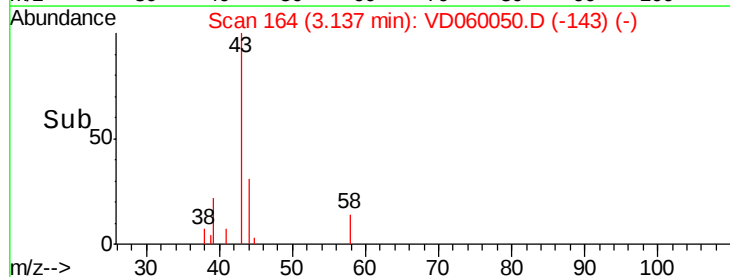
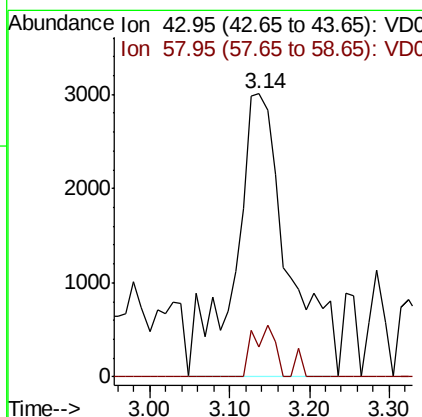
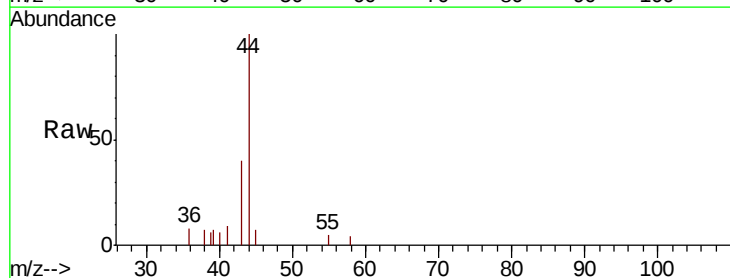
Instrument :
MSVOA_D
ClientSampleId :
VD0920SBL01

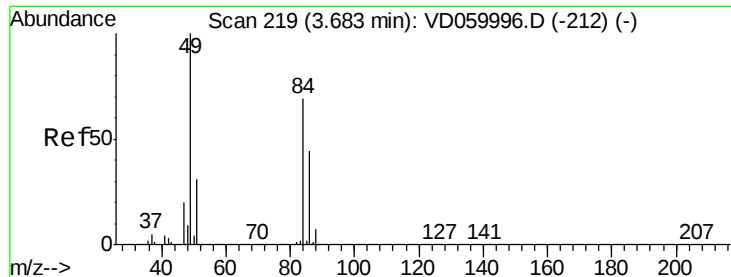
Tot Ion: 59 Resp: 3012
Ion Ratio Lower Upper
59 100
57 0.0 7.4 11.2#



#16
Acetone
Concen: 5.86 ug/l
RT: 3.14 min Scan# 164
Delta R.T. 0.01 min
Lab File: VD060050.D
Acq: 20 Sep 2018 11:50

Tgt Ion: 43 Resp: 13899
Ion Ratio Lower Upper
43 100
58 10.7 18.1 27.1#

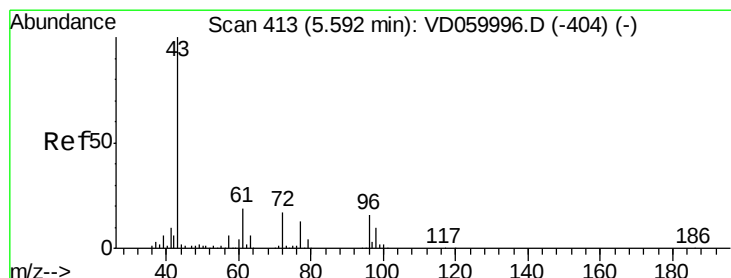
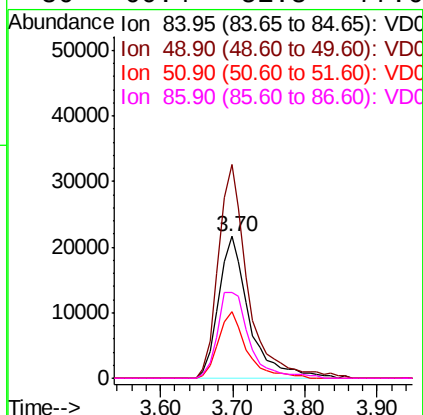
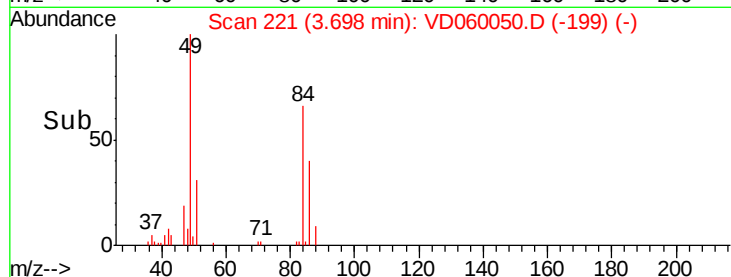
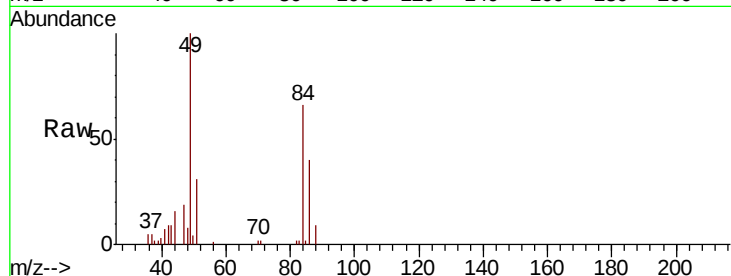




#20
Methylene Chloride
Concen: Below Cal
RT: 3.70 min Scan# 221
Delta R.T. 0.02 min
Lab File: VD060050.D
Acq: 20 Sep 2018 11:50

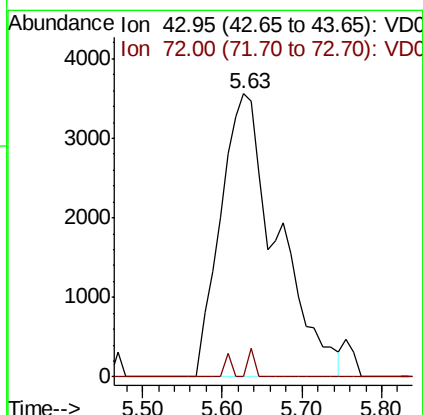
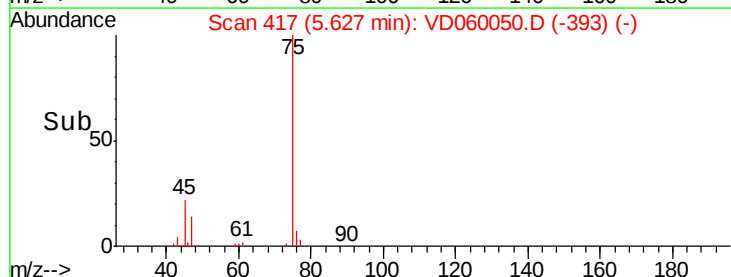
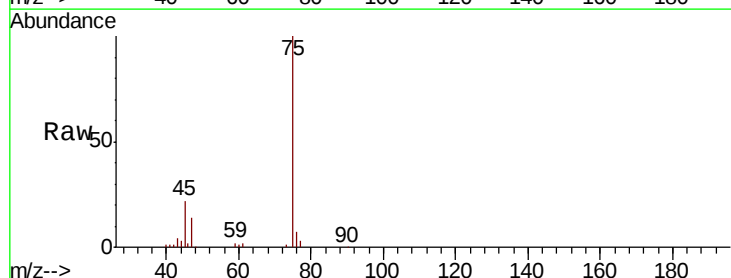
Instrument :
MSVOA_D
ClientSampleId :
VD0920SBL01

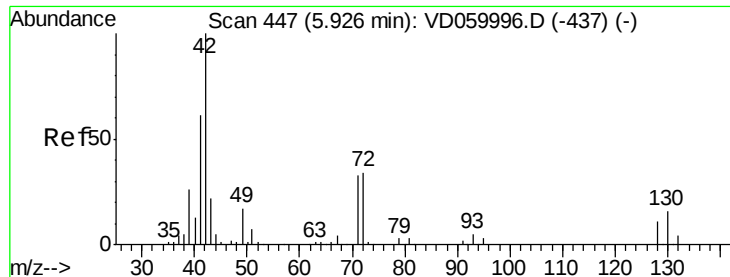
Tot Ion: 84 Resp: 63306
Ion Ratio Lower Upper
84 100
49 150.6 116.6 175.0
51 47.1 35.9 53.9
86 60.4 51.8 77.6



#25
2-Butanone
Concen: 2.76 ug/l
RT: 5.63 min Scan# 417
Delta R.T. 0.04 min
Lab File: VD060050.D
Acq: 20 Sep 2018 11:50

Tgt Ion: 43 Resp: 17672
Ion Ratio Lower Upper
43 100
72 0.0 13.6 20.4#





#29

Tetrahydrofuran

Concen: 1.17 ug/l

RT: 5.93 min Scan# 448

Delta R.T. 0.01 min

Lab File: VD060050.D

Acq: 20 Sep 2018 11:50

Instrument :

MSVOA_D

ClientSampleId :

VD0920SBL01

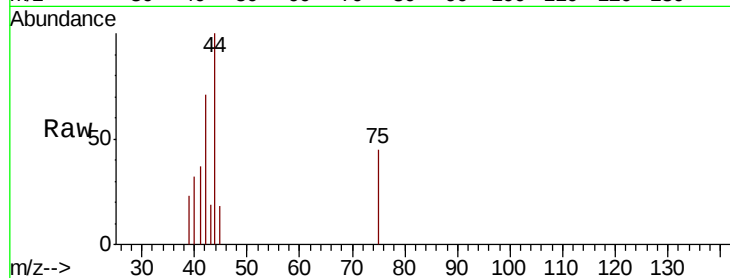
Tot Ion: 42 Resp: 4001

Ion Ratio Lower Upper

42 100

72 0.0 26.9 40.3#

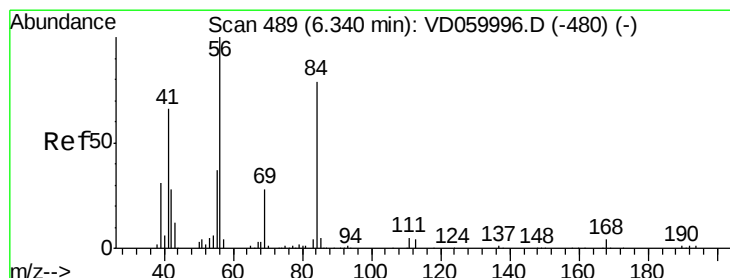
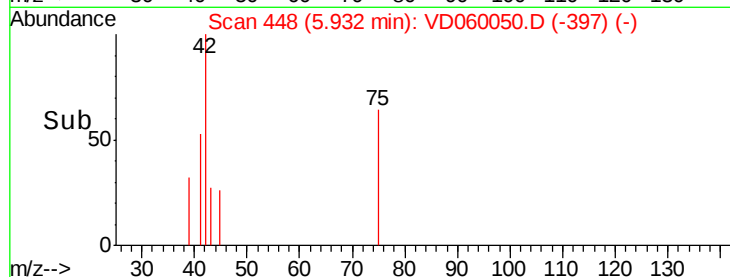
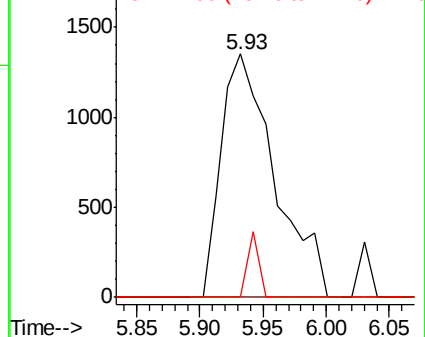
71 5.4 26.2 39.4#



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: 1.08 ug/l

RT: 6.37 min Scan# 493

Delta R.T. 0.04 min

Lab File: VD060050.D

Acq: 20 Sep 2018 11:50

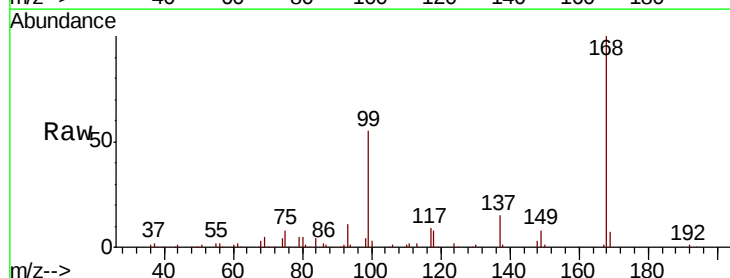
Tgt Ion: 56 Resp: 29501

Ion Ratio Lower Upper

56 100

69 212.7 22.7 34.1#

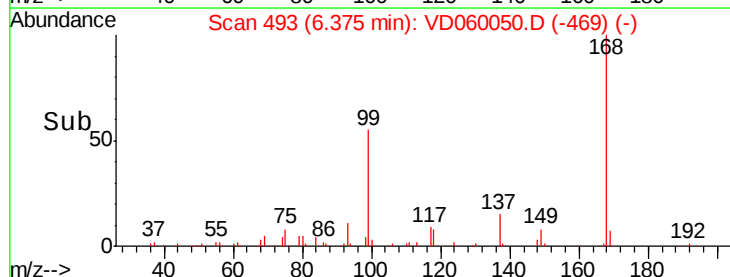
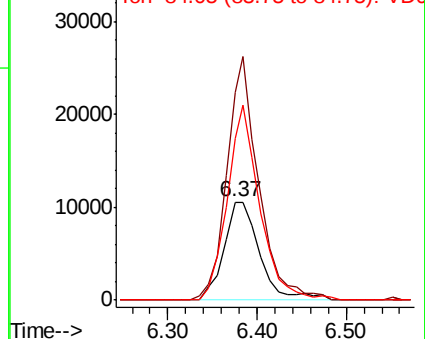
84 165.6 64.0 96.0#

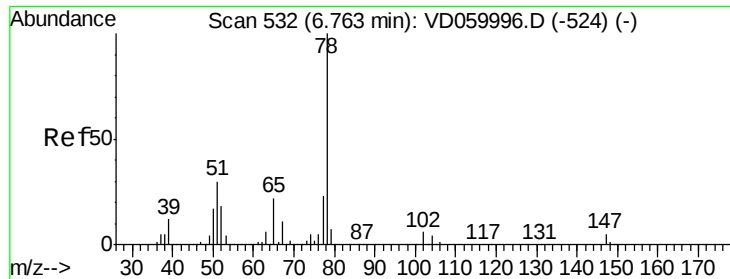


Abundance Ion 55.95 (55.65 to 56.65): VDC

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: 6.77 min Scan# 533

Delta R.T. 0.01 min

Lab File: VD060050.D

Acq: 20 Sep 2018 11:50

Instrument :

MSVOA_D

ClientSampleId :

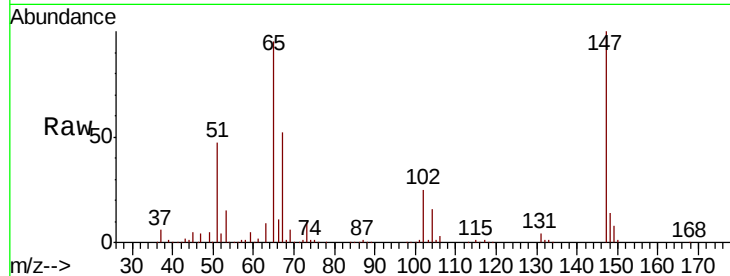
VD0920SBL01

Tot Ion: 65 Resp: 676003

Ion Ratio Lower Upper

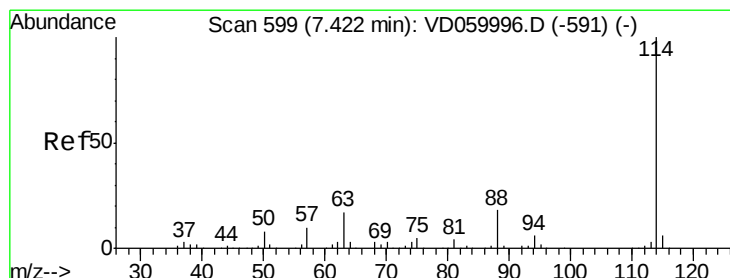
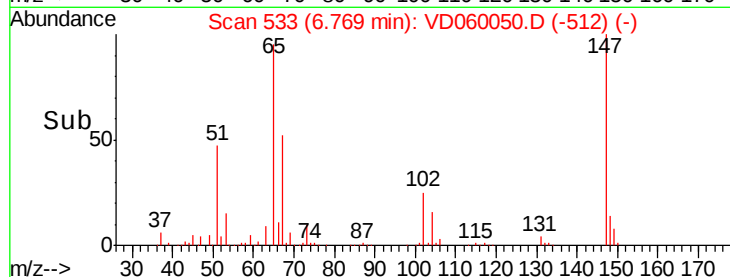
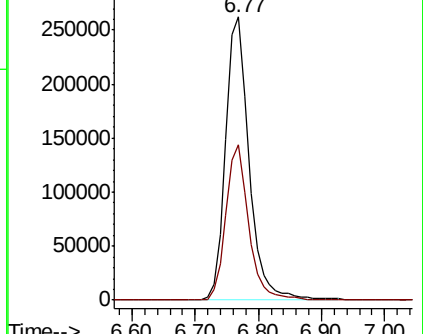
65 100

67 55.1 0.0 104.8



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: 7.43 min Scan# 600

Delta R.T. 0.01 min

Lab File: VD060050.D

Acq: 20 Sep 2018 11:50

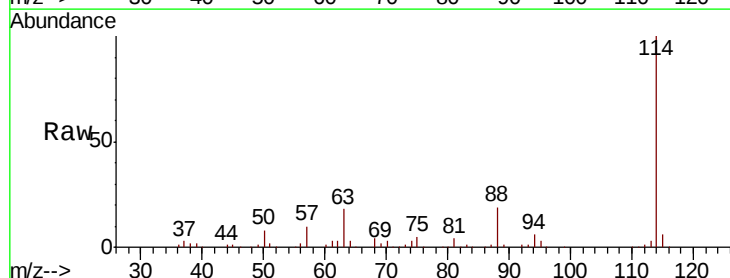
Tgt Ion:114 Resp: 2146175

Ion Ratio Lower Upper

114 100

63 17.6 0.0 34.4

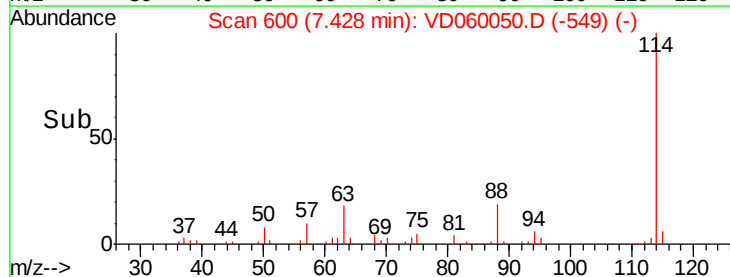
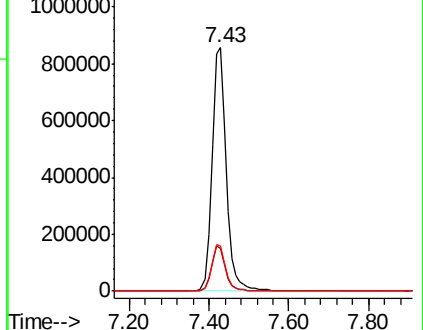
88 18.6 0.0 35.8

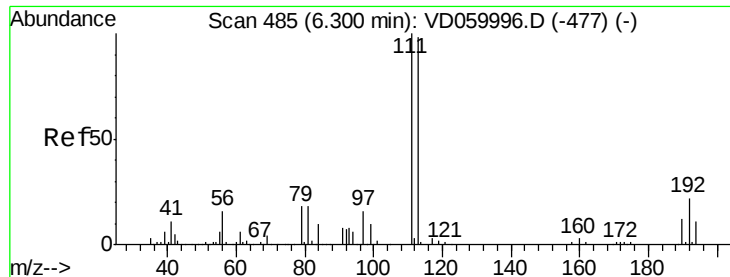


Abundance Ion 114.00 (113.70 to 114.70): VDC

Ion 62.95 (62.65 to 63.65): VDC

Ion 87.90 (87.60 to 88.60): VDC

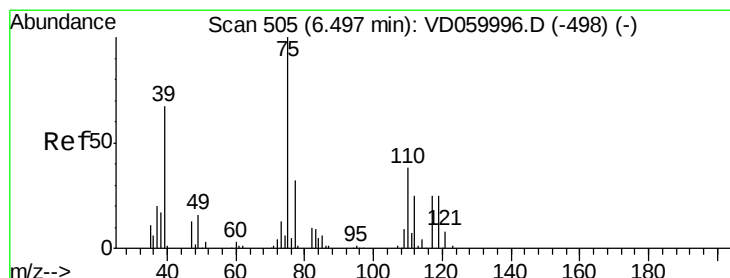
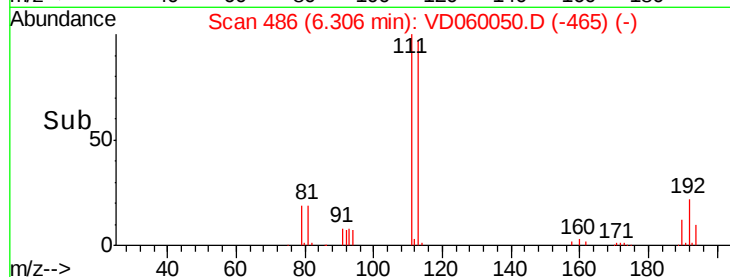
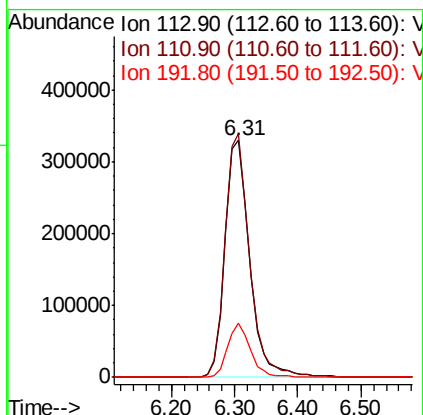
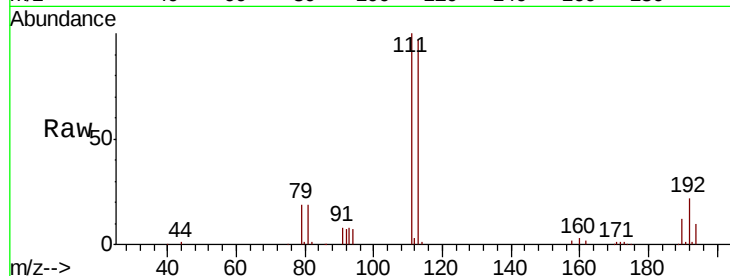




#35
 Dibromofluoromethane
 Concen: 50.00 ug/l
 RT: 6.31 min Scan# 486
 Delta R.T. 0.01 min
 Lab File: VD060050.D
 Acq: 20 Sep 2018 11:50

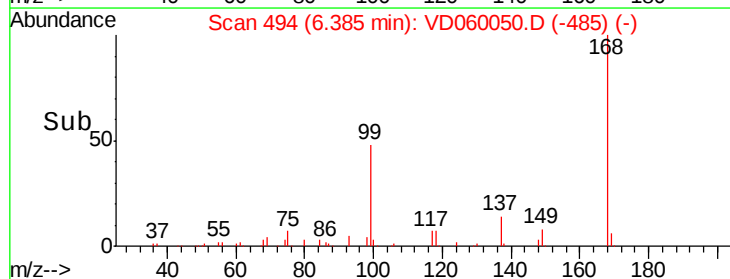
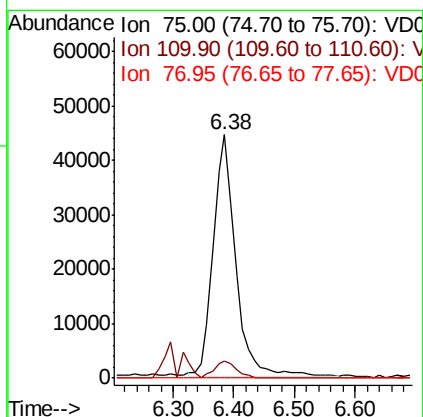
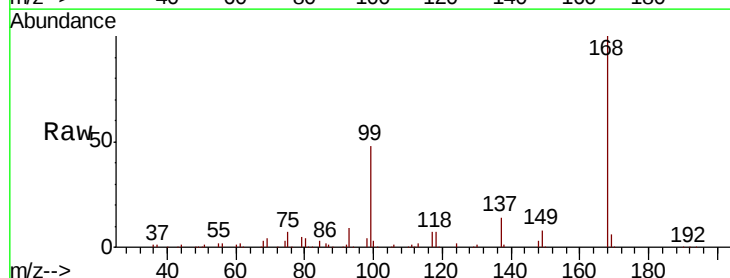
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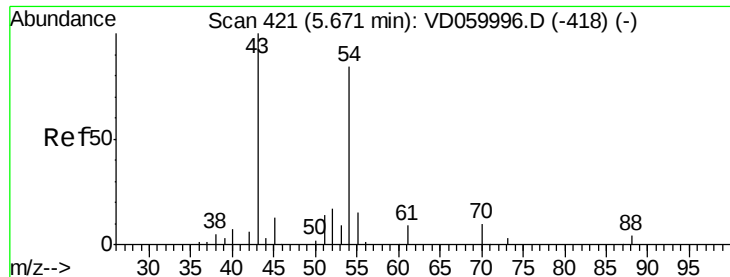
Tot Ion:113 Resp: 897046
 Ion Ratio Lower Upper
 113 100
 111 102.7 81.3 121.9
 192 22.6 18.1 27.1



#36
 1,1-Dichloropropene
 Concen: 5.34 ug/l
 RT: 6.38 min Scan# 494
 Delta R.T. -0.11 min
 Lab File: VD060050.D
 Acq: 20 Sep 2018 11:50

Tgt Ion: 75 Resp: 113852
 Ion Ratio Lower Upper
 75 100
 110 6.9 18.9 56.9#
 77 0.0 25.3 37.9#

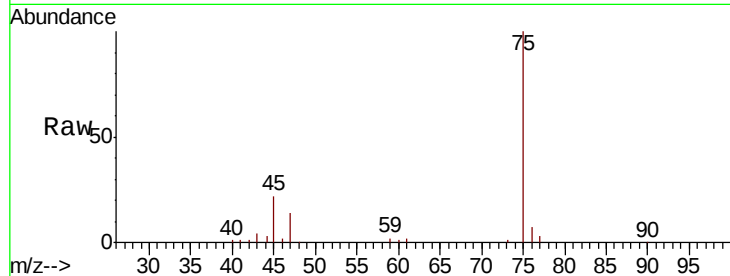




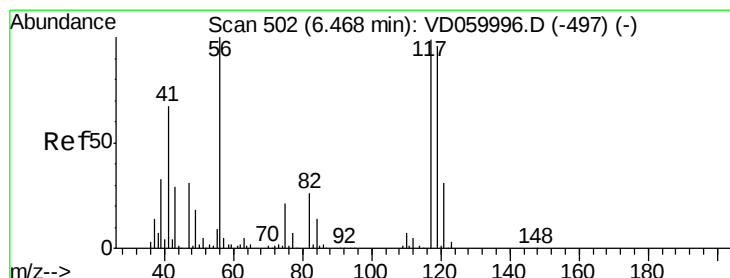
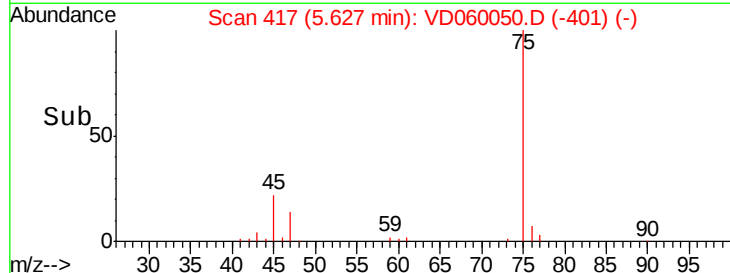
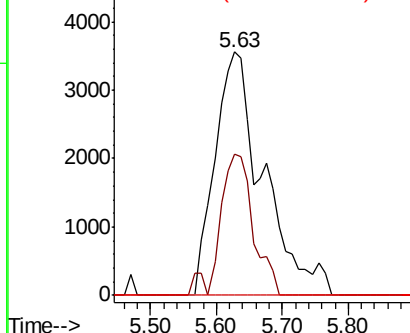
#37
Ethyl Acetate
Concen: 1.24 ug/l
RT: 5.63 min Scan# 417
Delta R.T. -0.04 min
Lab File: VD060050.D
Acq: 20 Sep 2018 11:50

Instrument :
MSVOA_D
ClientSampleId :
VD0920SBL01

Tot Ion: 43 Resp: 18141
Ion Ratio Lower Upper
43 100
61 57.9 10.2 15.2#
70 0.0 6.1 9.1#

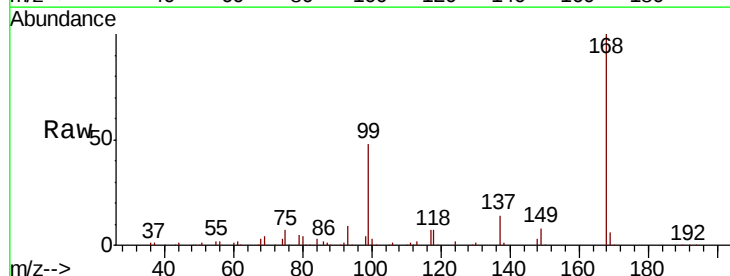


Abundance Ion 42.95 (42.65 to 43.65): VDC
Ion 60.95 (60.65 to 61.65): VDC
Ion 70.00 (69.70 to 70.70): VDC

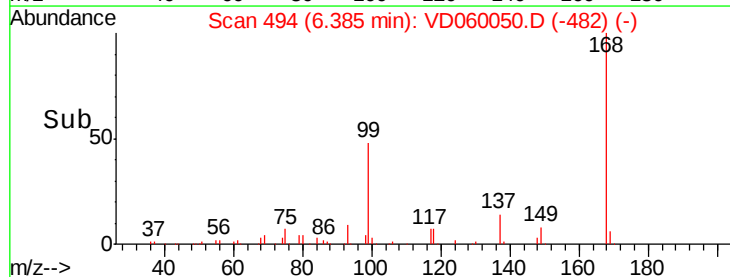
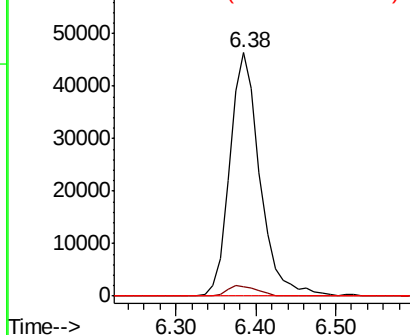


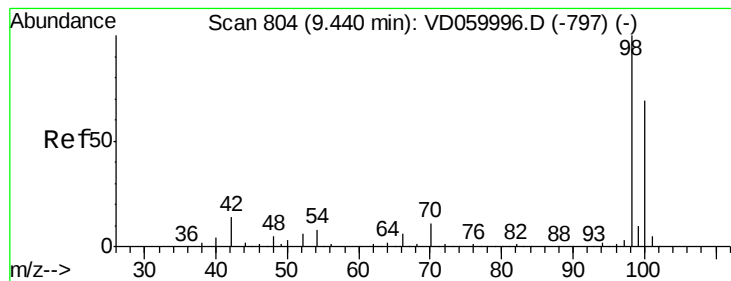
#38
Carbon Tetrachloride
Concen: 6.16 ug/l
RT: 6.38 min Scan# 494
Delta R.T. -0.08 min
Lab File: VD060050.D
Acq: 20 Sep 2018 11:50

Tgt Ion: 117 Resp: 122542
Ion Ratio Lower Upper
117 100
119 3.9 76.7 115.1#
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





#50

Toluene-d8

Concen: N.D. ug/l

RT: 9.44 min Scan# 804

Delta R.T. -0.00 min

Lab File: VD060050.D

Acq: 20 Sep 2018 11:50

Instrument :

MSVOA_D

ClientSampleId :

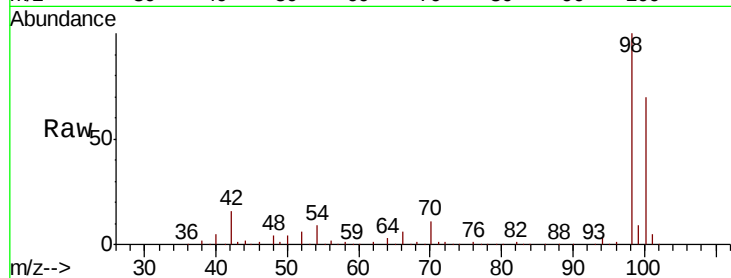
VD0920SBL01

Tot Ion: 98 Resp: 2462243

Ion Ratio Lower Upper

98 100

100 69.6 55.8 83.6



Abundance Ion 98.05 (97.75 to 98.75): VD0

Ion 100.05 (99.75 to 100.75): VD

9.44

1200000

1000000

800000

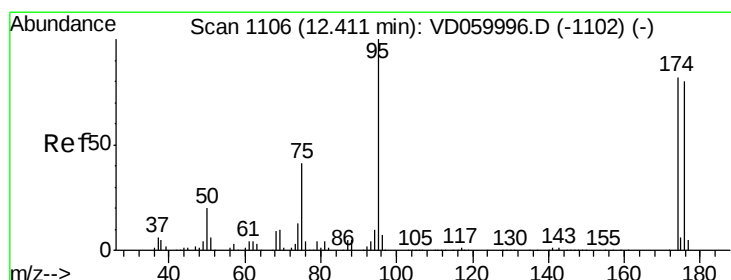
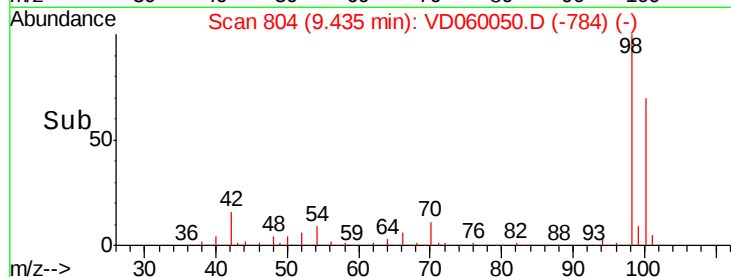
600000

400000

200000

0

Time-->



#62

4-Bromofluorobenzene

Concen: N.D. ug/l

RT: 12.42 min Scan# 1107

Delta R.T. 0.01 min

Lab File: VD060050.D

Acq: 20 Sep 2018 11:50

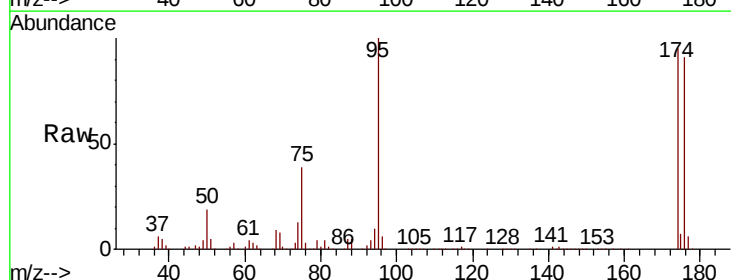
Tgt Ion: 95 Resp: 962992

Ion Ratio Lower Upper

95 100

174 94.9 0.0 165.0

176 91.2 0.0 160.2



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

800000

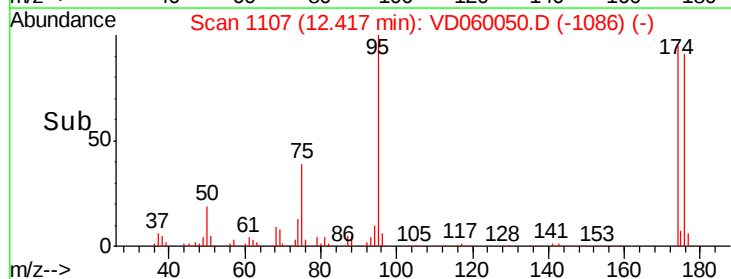
600000

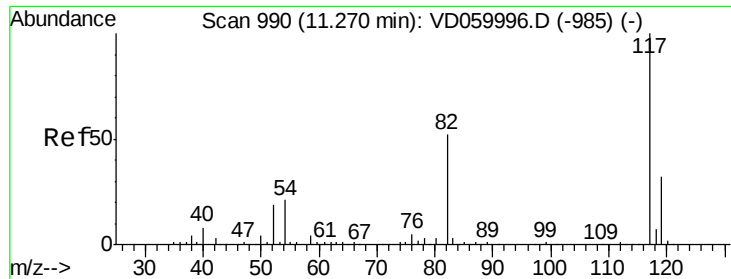
400000

200000

0

Time-->

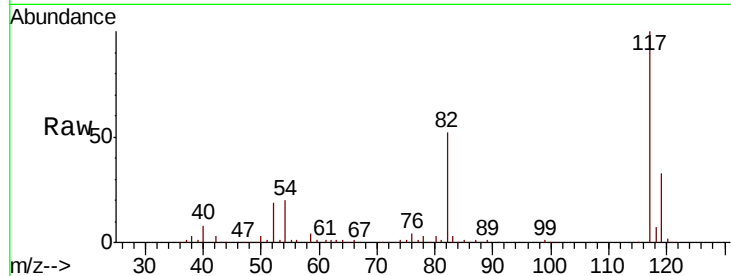




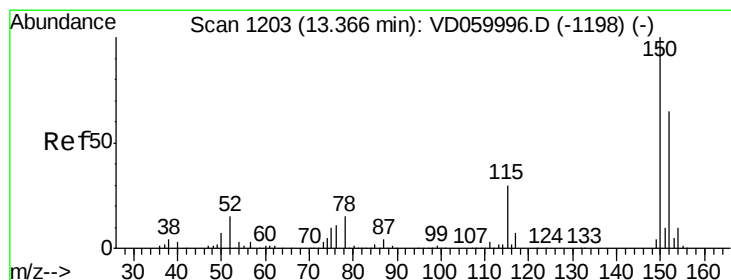
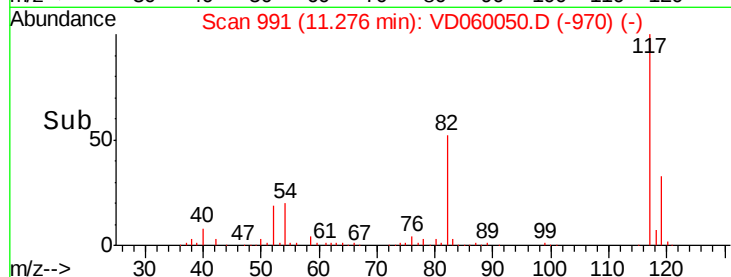
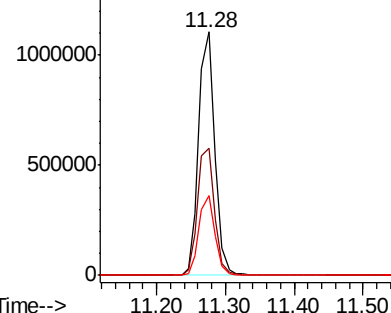
#63
Chlorobenzene-d5
Concen: 50.00 ug/l
RT: 11.28 min Scan# 991
Delta R.T. 0.01 min
Lab File: VD060050.D
Acq: 20 Sep 2018 11:50

Instrument :
MSVOA_D
ClientSampled :
VD0920SBL01

Tot Ion:117 Resp: 1802410
Ion Ratio Lower Upper
117 100
82 52.2 41.7 62.5
119 32.7 26.0 39.0

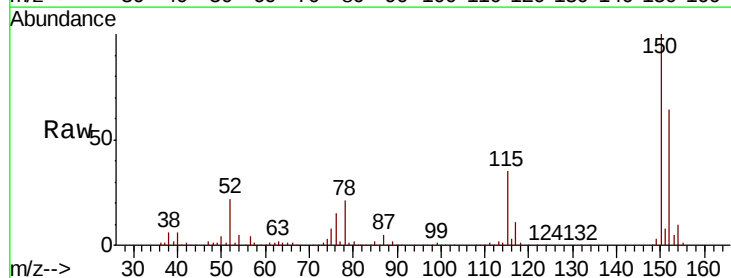


Abundance Ion 116.95 (116.65 to 117.65): V
1500000 Ion 82.05 (81.75 to 82.75): V
Ion 118.95 (118.65 to 119.65): V

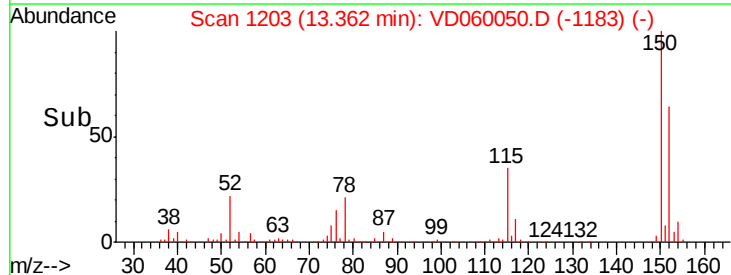
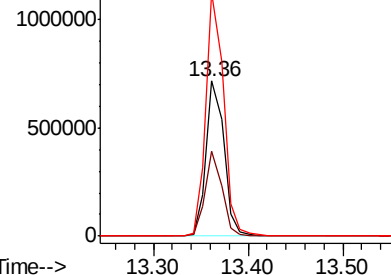


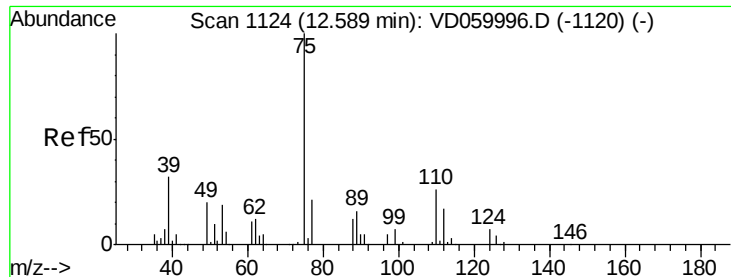
#72
1,4-Dichlorobenzene-d4
Concen: 50.00 ug/l
RT: 13.36 min Scan# 1203
Delta R.T. -0.00 min
Lab File: VD060050.D
Acq: 20 Sep 2018 11:50

Tgt Ion:152 Resp: 947542
Ion Ratio Lower Upper
152 100
115 54.6 24.6 73.8
150 157.4 0.0 313.4



Abundance Ion 151.90 (151.60 to 152.60): V
1500000 Ion 115.00 (114.70 to 115.70): V
Ion 149.90 (149.60 to 150.60): V





#76

1,2,3-Trichloropropane

Concen: 18.44 ug/l

RT: 12.42 min Scan# 1107

Delta R.T. -0.17 min

Lab File: VD060050.D

Acq: 20 Sep 2018 11:50

Instrument :

MSVOA_D

ClientSampleId :

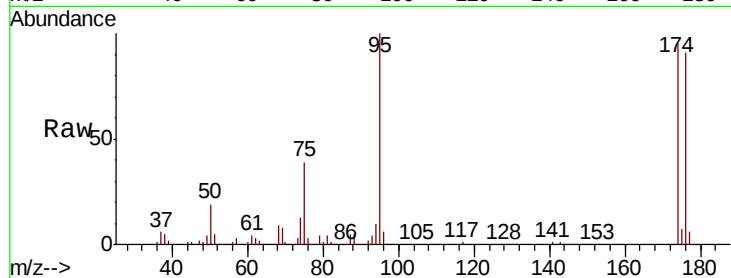
VD0920SBL01

Tot Ion: 75 Resp: 266806

Ion Ratio Lower Upper

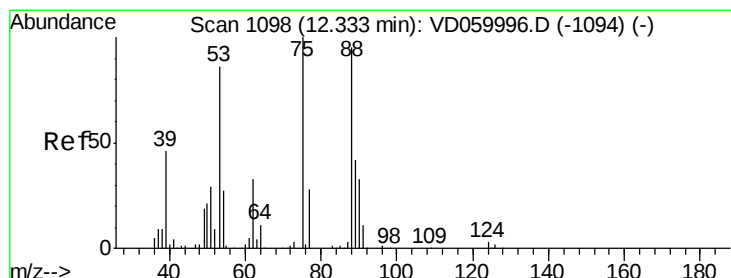
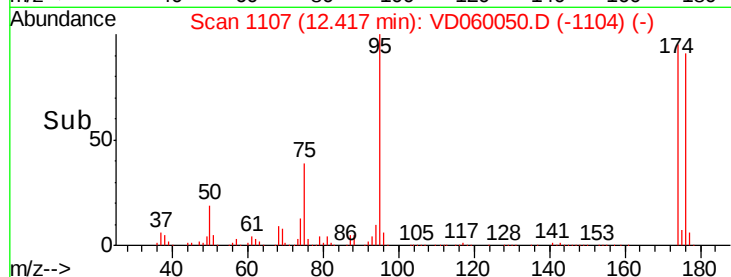
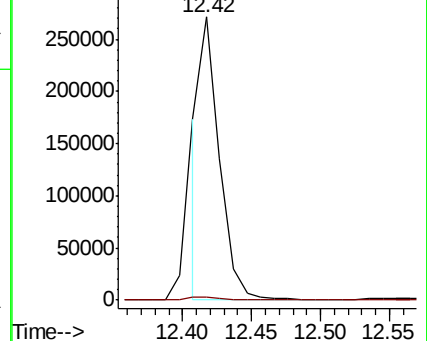
75 100

77 1.2 16.4 49.4#



Abundance Ion 75.00 (74.70 to 75.70): VDC

Ion 76.95 (76.65 to 77.65): VDC



#81

trans-1,4-Dichloro-2-butene

Concen: 87.69 ug/l

RT: 12.42 min Scan# 1107

Delta R.T. 0.08 min

Lab File: VD060050.D

Acq: 20 Sep 2018 11:50

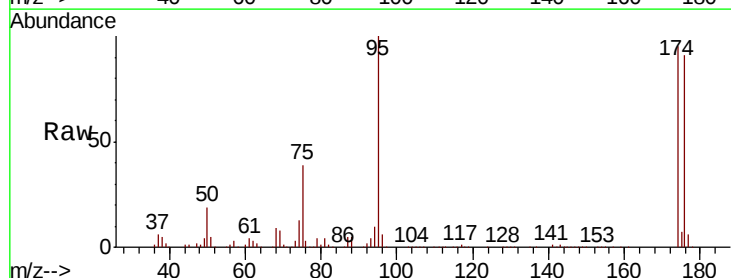
Tgt Ion: 75 Resp: 383067

Ion Ratio Lower Upper

75 100

53 0.0 68.4 102.6#

89 0.0 33.8 50.6#



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

