

Data Path : Z:\VOASRV\HPCHEM1\MSVOA D\DATA\VD100218\
 Data File : VD060109.D
 Acq On : 2 Oct 2018 11:47
 Operator : VA/AP
 Sample : VD1002SBL01
 Misc : 5.00g/5ml/MSVOA D/SOIL
 ALS Vial : 3 Sample Multiplier: 1

Instrument :
 MSVOA_D
 ClientSampleId :
 VD1002SBL01

Quant Time: Oct 03 01:08:43 2018
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_D\METHOD\82D100118S.M
 Quant Title : SW846 8260
 QLast Update : Tue Oct 02 06:56:35 2018
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Pentafluorobenzene	6.40	168	1624737	50.00	ug/l	0.01
34) 1,4-Difluorobenzene	7.43	114	2224208	50.00	ug/l	0.01
63) Chlorobenzene-d5	11.28	117	1715488	50.00	ug/l	0.01
72) 1,4-Dichlorobenzene-d4	13.37	152	963423	50.00	ug/l	0.01

System Monitoring Compounds	R.T.	QIon	Response	Conc	Units	Dev(Min)
33) 1,2-Dichloroethane-d4	6.77	65	690183	56.04	ug/l	0.01
Spiked Amount			Recovery	=	112.08%	
35) Dibromofluoromethane	6.31	113	894609	52.97	ug/l	0.01
Spiked Amount			Recovery	=	105.94%	
50) Toluene-d8	9.45	98	2533442	52.60	ug/l	0.01
Spiked Amount			Recovery	=	105.20%	
62) 4-Bromofluorobenzene	12.42	95	964379	53.48	ug/l	0.00
Spiked Amount			Recovery	=	106.96%	

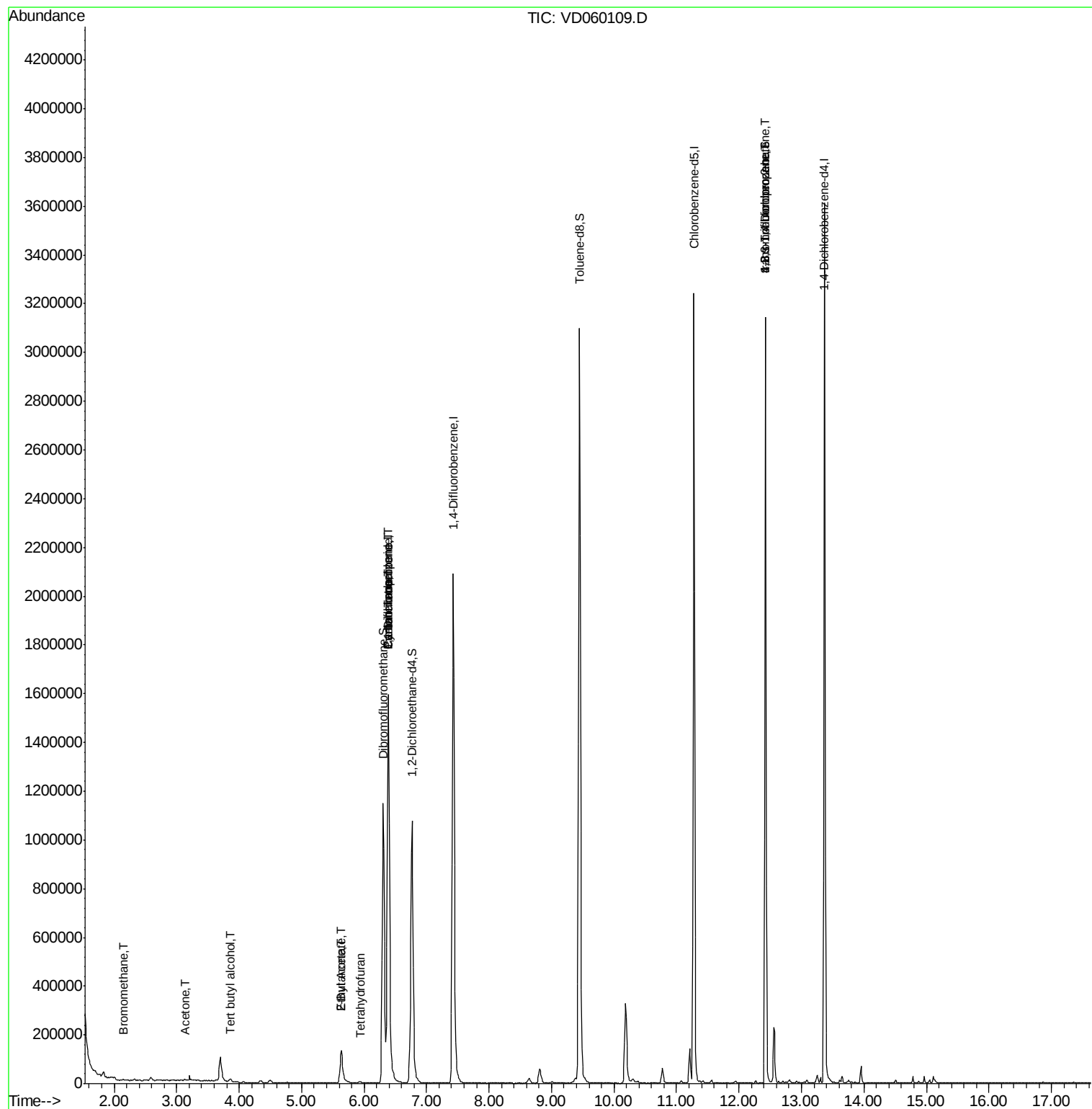
Target Compounds	R.T.	QIon	Response	Conc	Units	Qvalue
5) Bromomethane	2.14	94	2396	1.692	ug/l	94
11) Tert butyl alcohol	3.86	59	12374	14.009	ug/l #	74
16) Acetone	3.14	43	13674	6.119	ug/l	95
20) Methylene Chloride	3.70	84	56696	Below Cal	#	89
25) 2-Butanone	5.62	43	15029	2.692	ug/l #	59
29) Tetrahydrofuran	5.93	42	4310	1.329	ug/l #	83
31) Cyclohexane	6.39	56	30159	1.130	ug/l #	1
36) 1,1-Dichloropropene	6.39	75	106974	5.033	ug/l #	47
37) Ethyl Acetate	5.62	43	15029	1.065	ug/l #	48
38) Carbon Tetrachloride	6.39	117	124606	6.459	ug/l #	15
76) 1,2,3-Trichloropropane	12.42	75	362393	26.119	ug/l #	44
81) trans-1,4-Dichloro-2-buten	12.42	75	369564	94.795	ug/l #	13

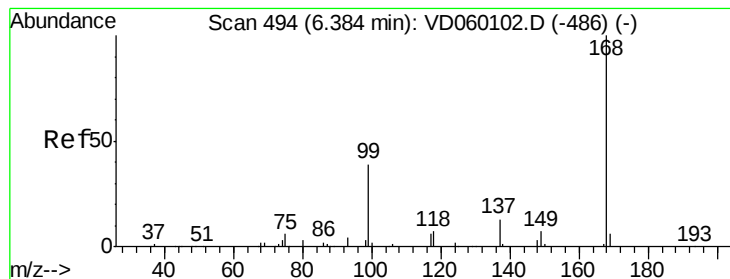
(#) = qualifier out of range (m) = manual integration (+) = signals summed

Data Path : Z:\V0ASRV\HPCHEM1\MSVOA D\DATA\VD100218\
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Quant Title : SW846 8260
QLast Update : Tue Oct 02 06:56:35 2018
Response via : Initial Calibration





#1

Pentafluorobenzene

Concen: 50.000 ug/l

RT: 6.40 min Scan# 495

Delta R.T. 0.01 min

Lab File: VD060109.D

Acq: 2 Oct 2018 11:47

Instrument :

MSVOA_D

ClientSampleId :

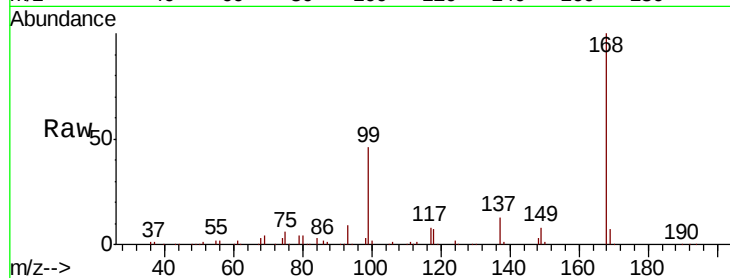
VD1002SBL01

Tot Ion:168 Resp: 1624737

Ion Ratio Lower Upper

168 100

99 45.6 35.4 53.0



Abundance Ion 167.90 (167.60 to 168.60): V

Ion 98.95 (98.65 to 99.65): VDC

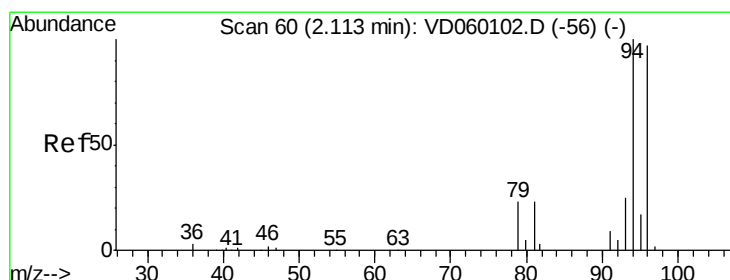
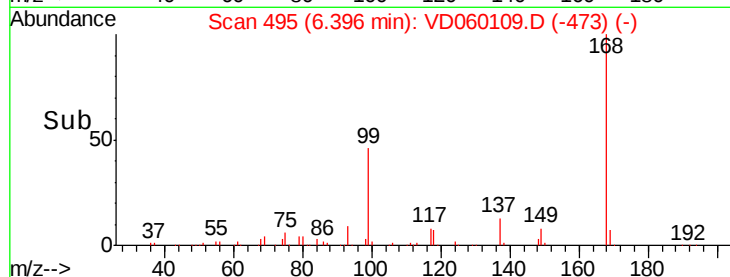
6.40

400000

200000

0

Time-->



#5

Bromomethane

Concen: 1.692 ug/l

RT: 2.14 min Scan# 63

Delta R.T. 0.03 min

Lab File: VD060109.D

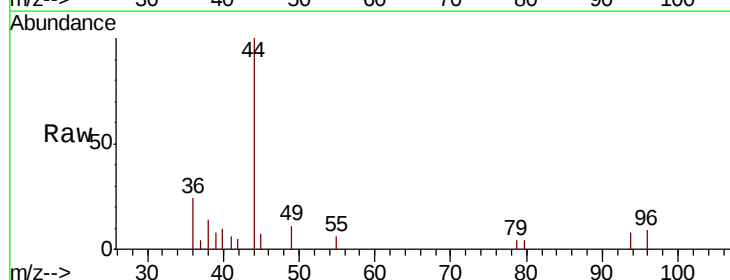
Acq: 2 Oct 2018 11:47

Tgt Ion: 94 Resp: 2396

Ion Ratio Lower Upper

94 100

96 103.0 77.4 116.2



Abundance Ion 93.90 (93.60 to 94.60): VDC

Ion 95.90 (95.60 to 96.60): VDC

2.14

800

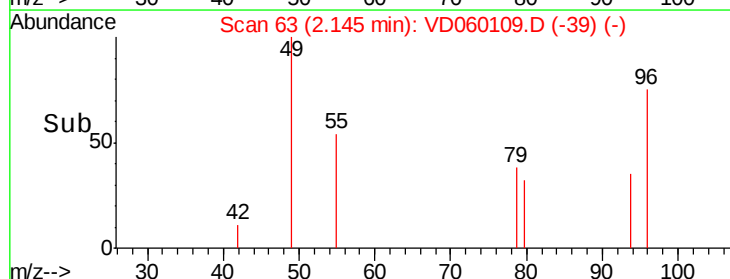
600

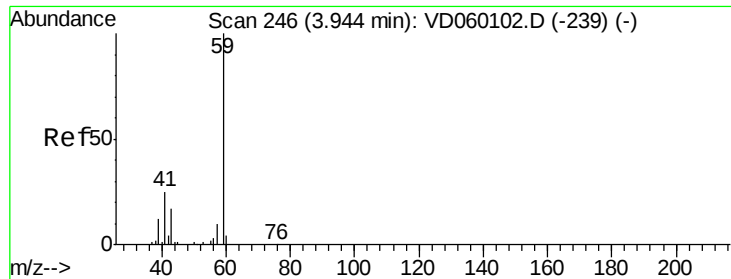
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200

0

Time-->

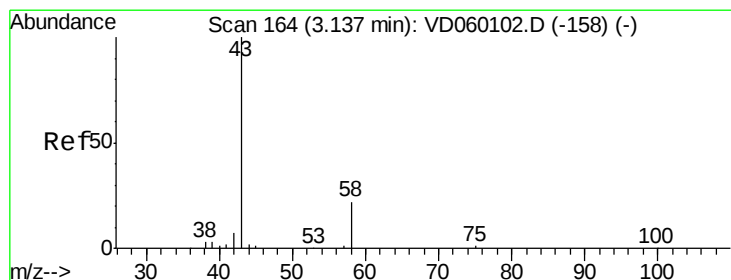
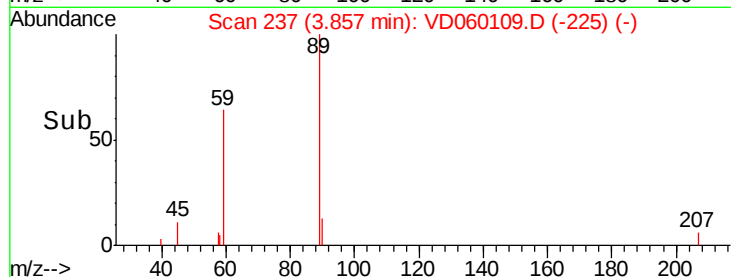
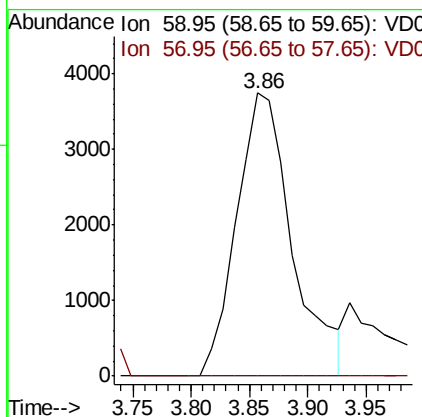
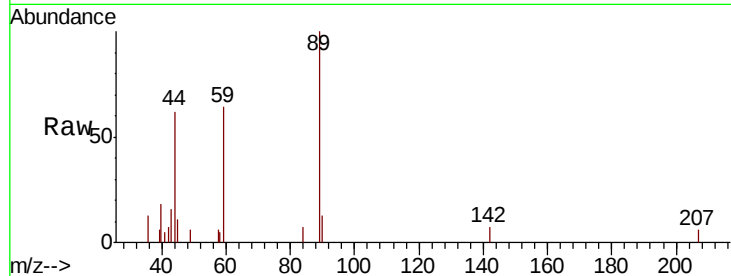




#11
Tert butyl alcohol
Concen: 14.009 ug/l
RT: 3.86 min Scan# 237
Delta R.T. -0.09 min
Lab File: VD060109.D
Acq: 2 Oct 2018 11:47

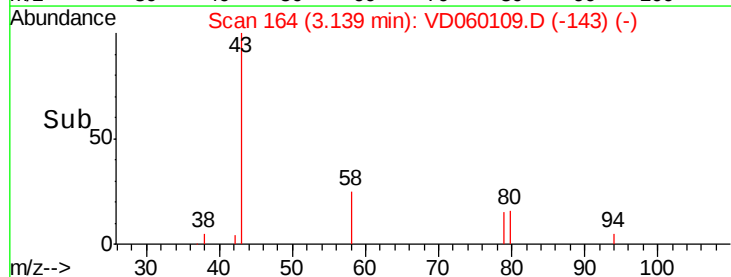
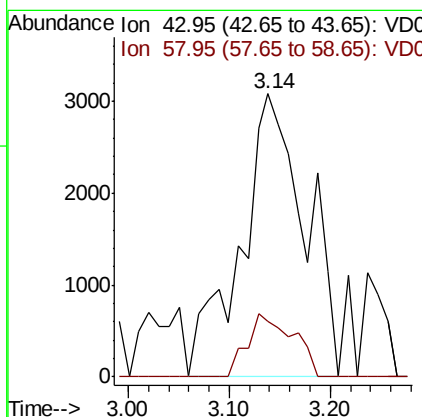
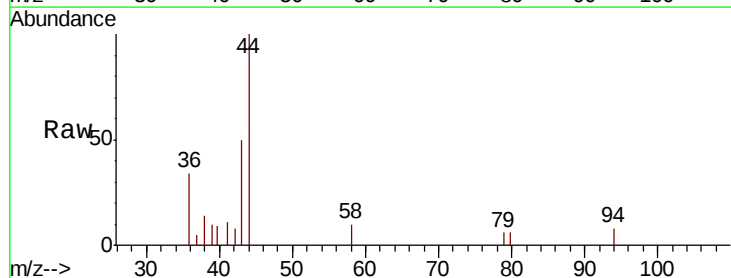
Instrument :
MSVOA_D
ClientSampleId :
VD1002SBL01

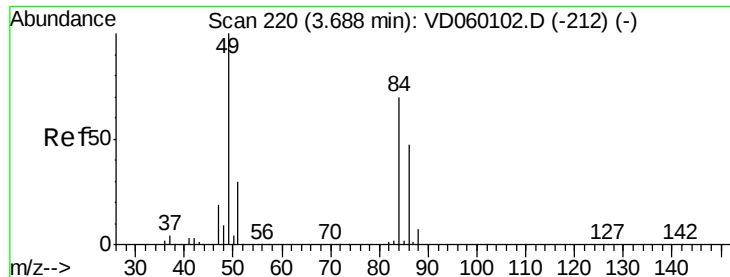
Tot Ion: 59 Resp: 12374
Ion Ratio Lower Upper
59 100
57 0.0 7.8 11.6#



#16
Acetone
Concen: 6.119 ug/l
RT: 3.14 min Scan# 164
Delta R.T. 0.00 min
Lab File: VD060109.D
Acq: 2 Oct 2018 11:47

Tgt Ion: 43 Resp: 13674
Ion Ratio Lower Upper
43 100
58 19.5 17.7 26.5





#20

Methvlene Chloride

Concen: Below Cal

RT: 3.70 min Scan# 221

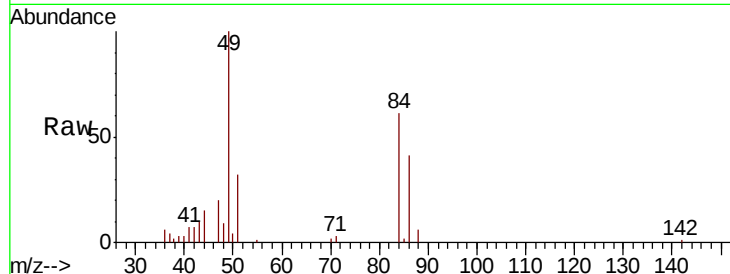
Delta R.T. 0.01 min

Lab File: VD060109.D

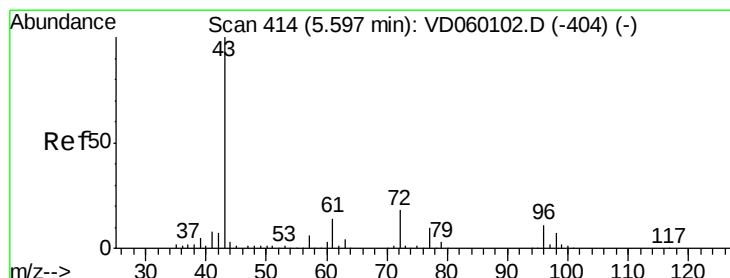
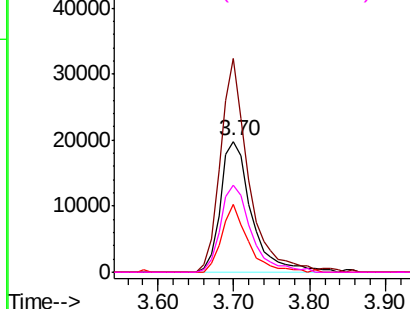
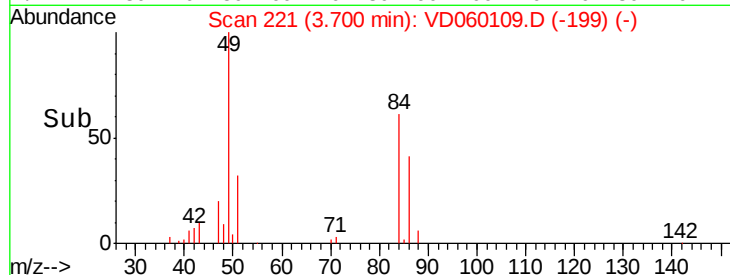
Acq: 2 Oct 2018 11:47

Instrument :
MSVOA_D
ClientSampleId :
VD1002SBL01

Tot Ion:	84	Resp:	56696
Ion	Ratio	Lower	Upper
84	100		
49	162.9	114.6	172.0
51	51.4	33.8	50.8#
86	66.7	53.3	79.9



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: 2.692 ug/l

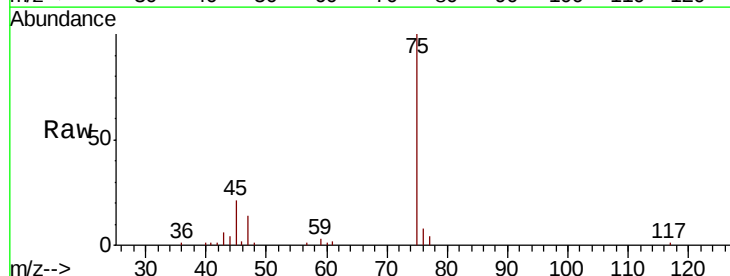
RT: 5.62 min Scan# 416

Delta R.T. 0.02 min

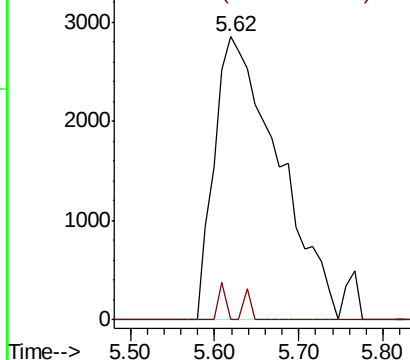
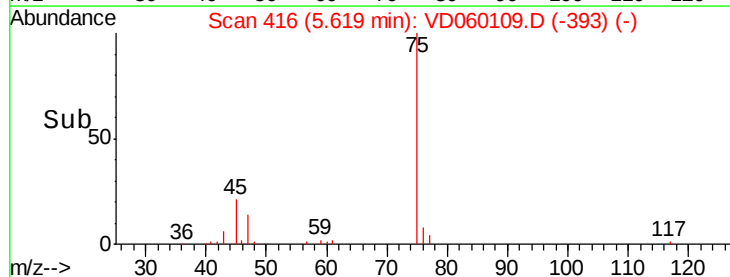
Lab File: VD060109.D

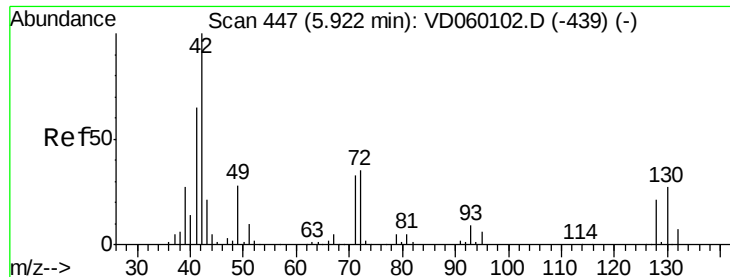
Acq: 2 Oct 2018 11:47

Tgt Ion:	43	Resp:	15029
Ion	Ratio	Lower	Upper
43	100		
72	0.0	14.5	21.7#



Abundance Ion 42.95 (42.65 to 43.65): VDC
Ion 72.00 (71.70 to 72.70): VDC

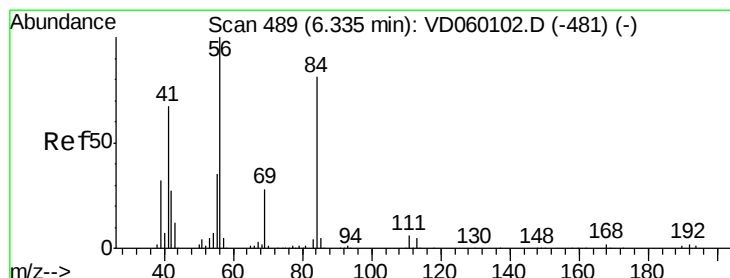
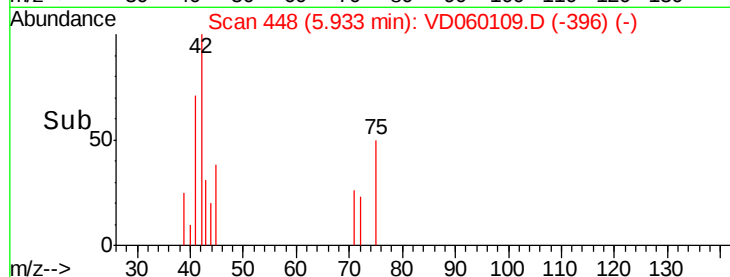
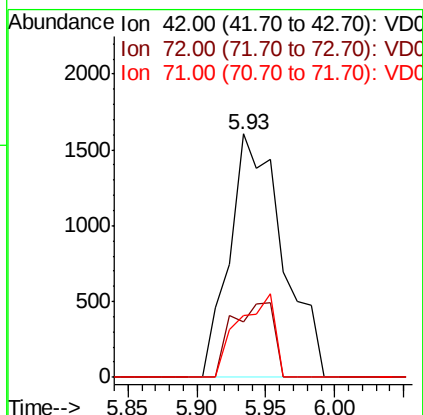
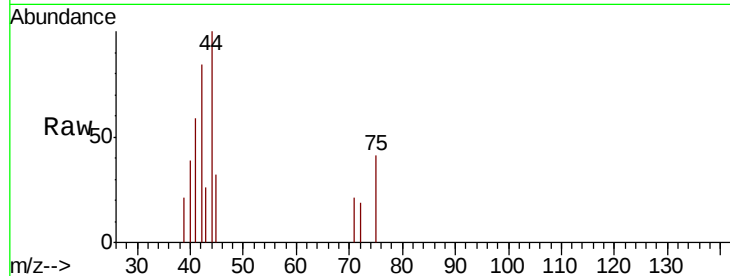




#29
Tetrahydrofuran
Concen: 1.329 ug/l
RT: 5.93 min Scan# 448
Delta R.T. 0.01 min
Lab File: VD060109.D
Acq: 2 Oct 2018 11:47

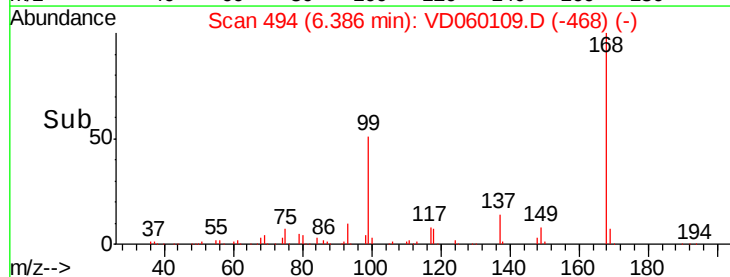
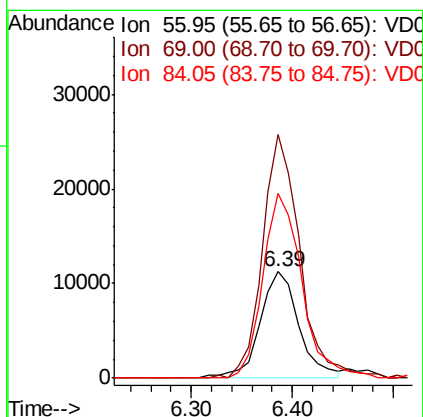
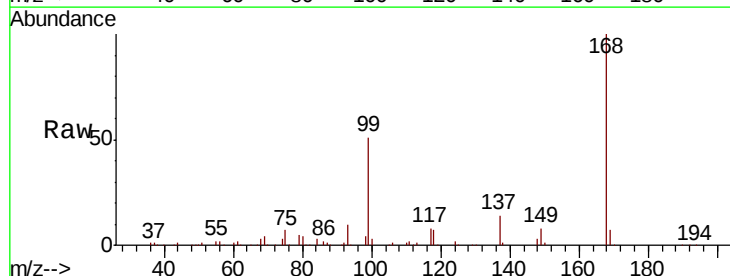
Instrument :
MSVOA_D
ClientSampleId :
VD1002SBL01

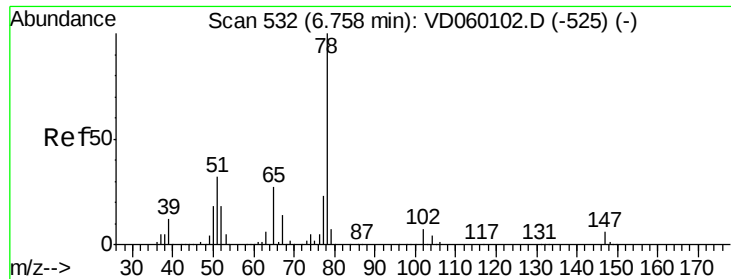
Tot Ion: 42 Resp: 4310
Ion Ratio Lower Upper
42 100
72 24.0 26.9 40.3#
71 23.2 26.7 40.1#



#31
Cyclohexane
Concen: 1.130 ug/l
RT: 6.39 min Scan# 494
Delta R.T. 0.05 min
Lab File: VD060109.D
Acq: 2 Oct 2018 11:47

Tgt Ion: 56 Resp: 30159
Ion Ratio Lower Upper
56 100
69 228.8 22.8 34.2#
84 173.4 64.9 97.3#





#33

1,2-Dichloroethane-d4

Concen: N.D. ug/l

RT: 6.77 min Scan# 533

Delta R.T. 0.01 min

Lab File: VD060109.D

Acq: 2 Oct 2018 11:47

Instrument :

MSVOA_D

ClientSampleId :

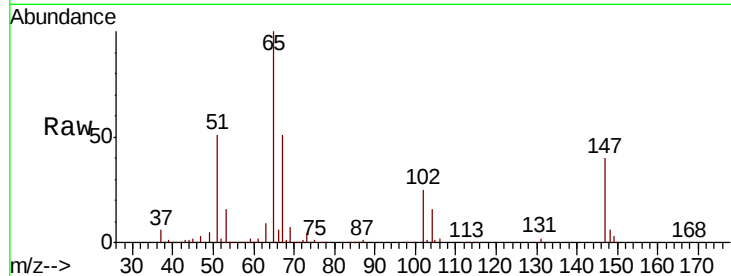
VD1002SBL01

Tot Ion: 65 Resp: 690183

Ion Ratio Lower Upper

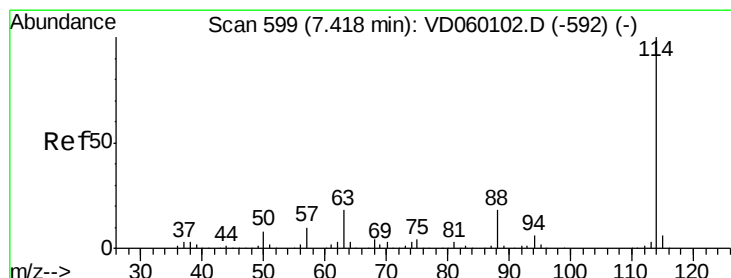
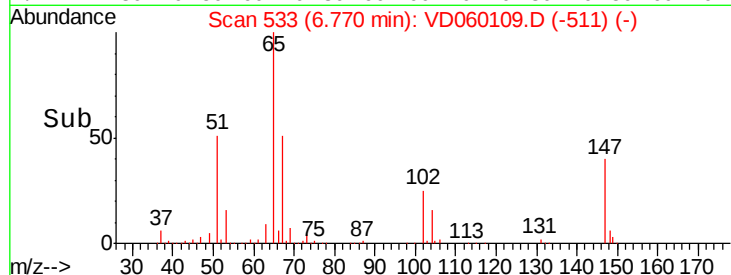
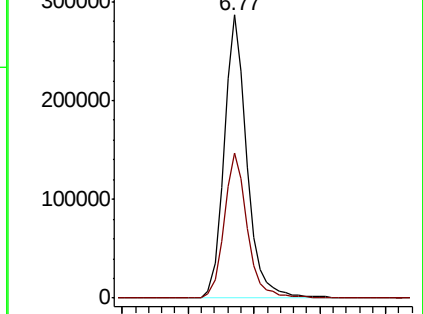
65 100

67 51.4 0.0 106.2



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: 7.43 min Scan# 600

Delta R.T. 0.01 min

Lab File: VD060109.D

Acq: 2 Oct 2018 11:47

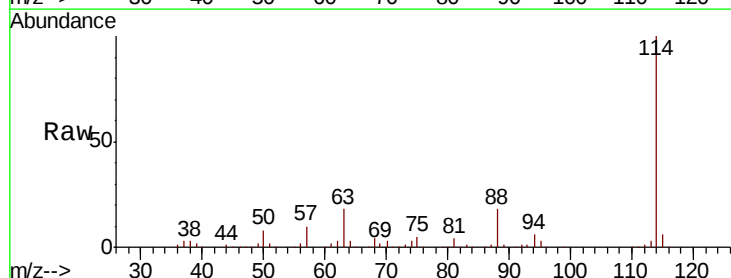
Tgt Ion:114 Resp: 2224208

Ion Ratio Lower Upper

114 100

63 18.1 0.0 36.0

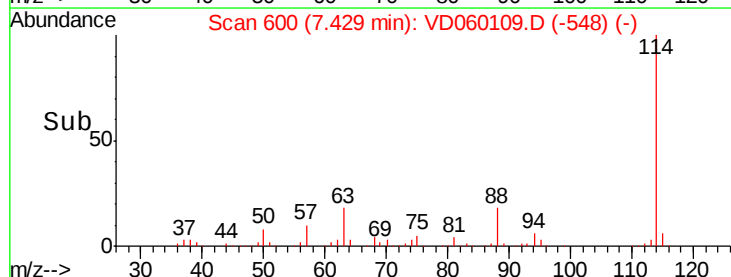
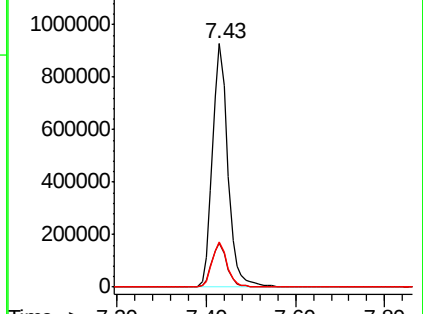
88 18.5 0.0 36.2

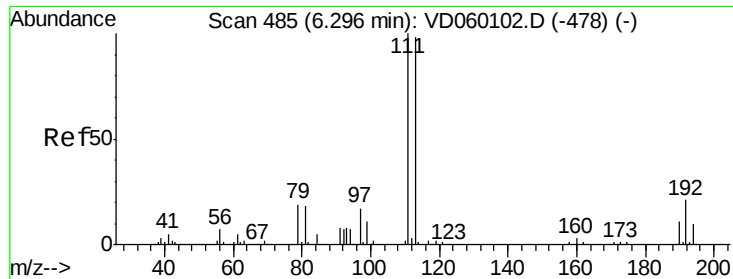


Abundance Ion 114.00 (113.70 to 114.70): V

Ion 62.95 (62.65 to 63.65): VDC

Ion 87.90 (87.60 to 88.60): VDC

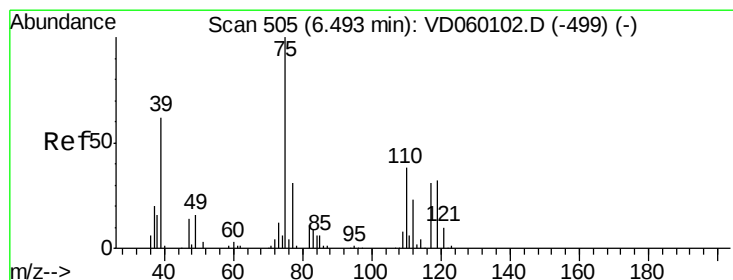
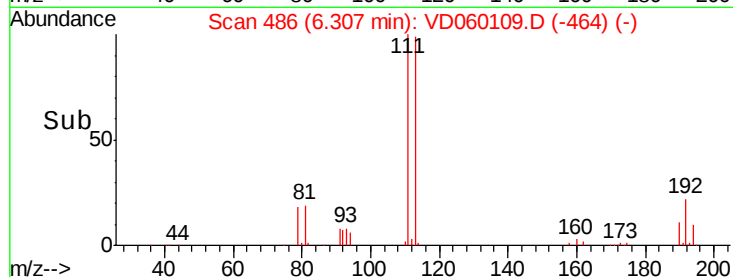
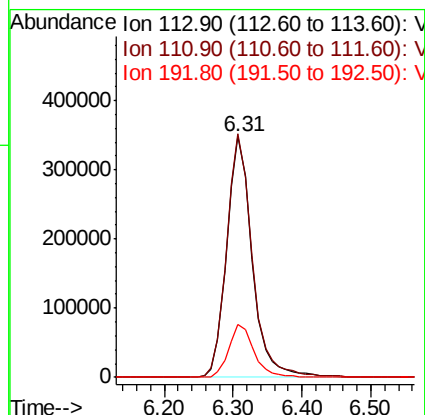
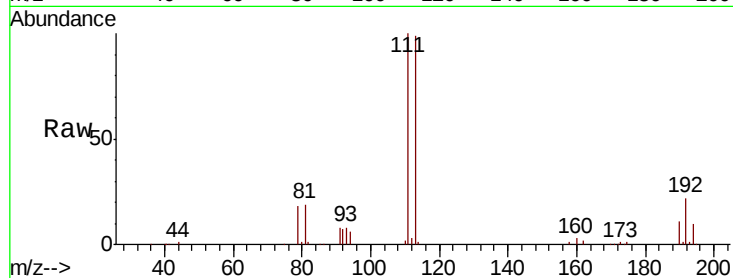




#35
 Dibromofluoromethane
 Concen: 50.000 ug/l
 RT: 6.31 min Scan# 486
 Delta R.T. 0.01 min
 Lab File: VD060109.D
 Acq: 2 Oct 2018 11:47

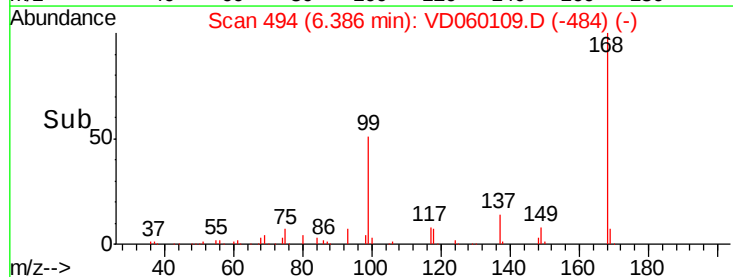
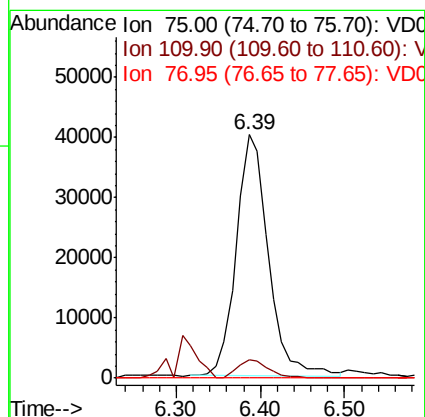
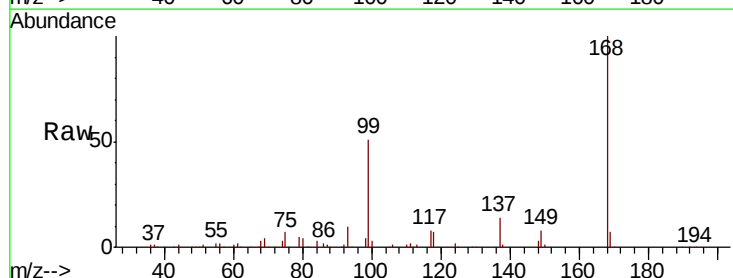
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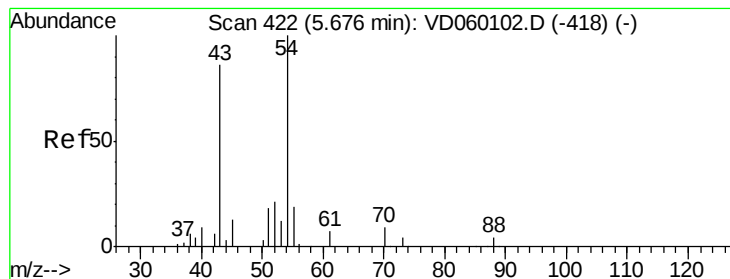
Tot Ion:113 Resp: 894609
 Ion Ratio Lower Upper
 113 100
 111 101.1 81.5 122.3
 192 22.0 17.4 26.0



#36
 1,1-Dichloropropene
 Concen: 5.033 ug/l
 RT: 6.39 min Scan# 494
 Delta R.T. -0.11 min
 Lab File: VD060109.D
 Acq: 2 Oct 2018 11:47

Tgt Ion: 75 Resp: 106974
 Ion Ratio Lower Upper
 75 100
 110 7.4 19.0 57.0#
 77 0.0 24.9 37.3#





#37

Ethyl Acetate

Concen: 1.065 ug/l

RT: 5.62 min Scan# 416

Delta R.T. -0.06 min

Lab File: VD060109.D

Acq: 2 Oct 2018 11:47

Instrument :

MSVOA_D

ClientSampleId :

VD1002SBL01

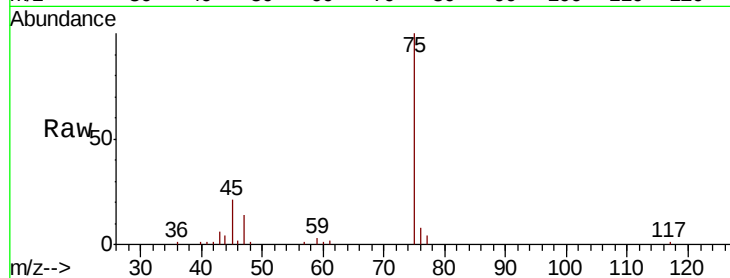
Tot Ion: 43 Resp: 15029

Ion Ratio Lower Upper

43 100

61 40.8 10.5 15.7#

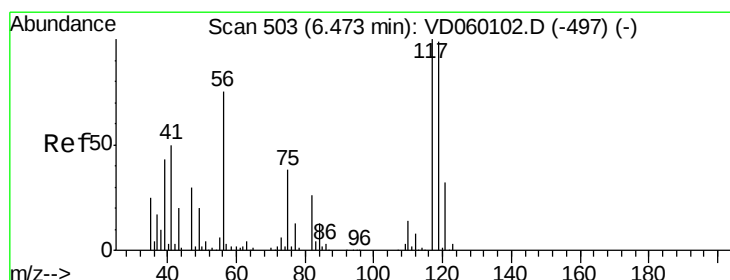
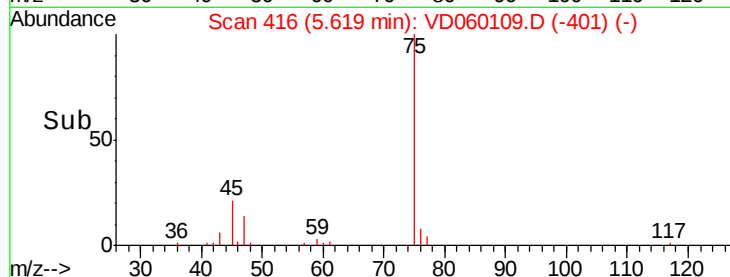
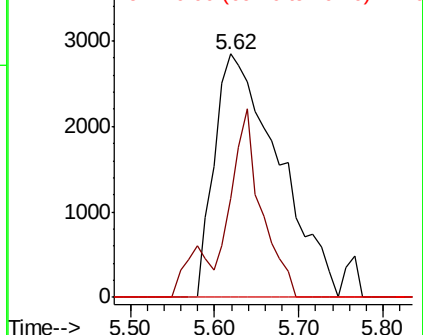
70 0.0 6.3 9.5#



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: 6.459 ug/l

RT: 6.39 min Scan# 494

Delta R.T. -0.09 min

Lab File: VD060109.D

Acq: 2 Oct 2018 11:47

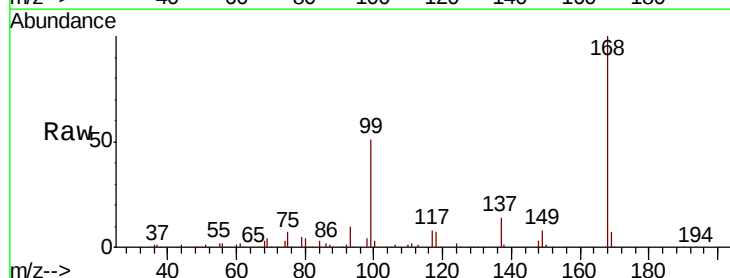
Tgt Ion: 117 Resp: 124606

Ion Ratio Lower Upper

117 100

119 4.7 77.8 116.6#

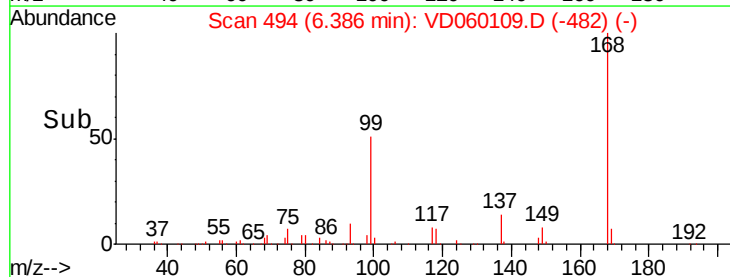
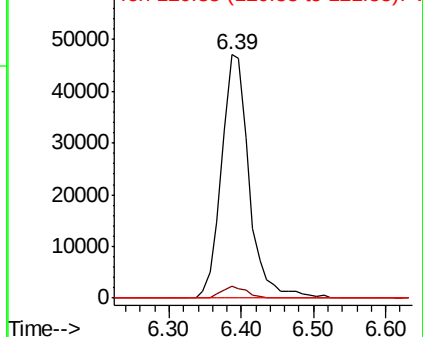
121 0.0 24.8 37.2#

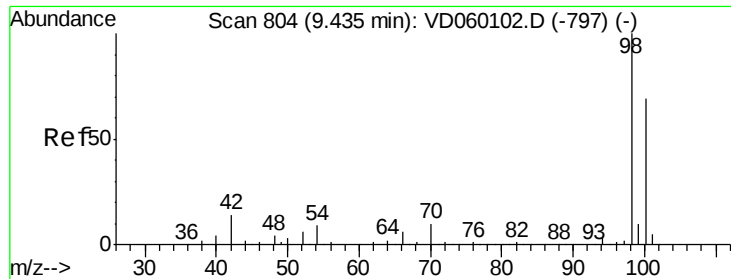


Abundance Ion 116.85 (116.55 to 117.55): V

Ion 118.85 (118.55 to 119.55): V

Ion 120.85 (120.55 to 121.55): V

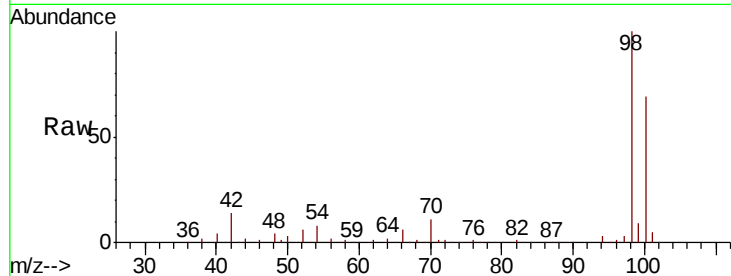




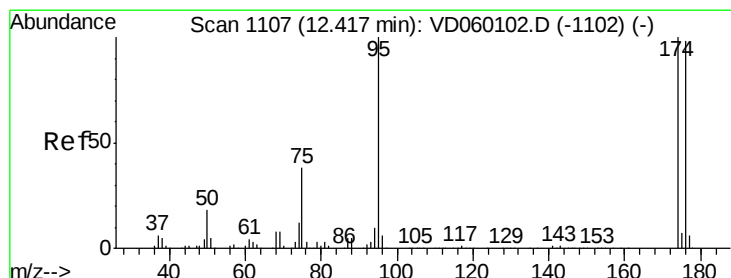
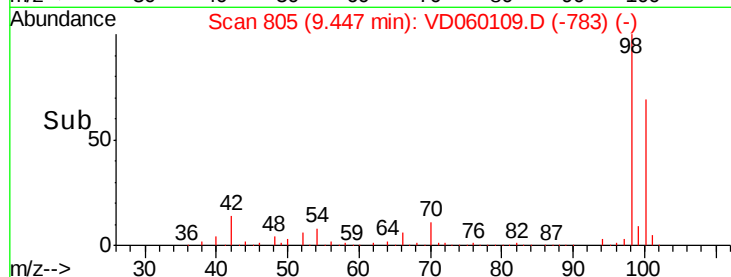
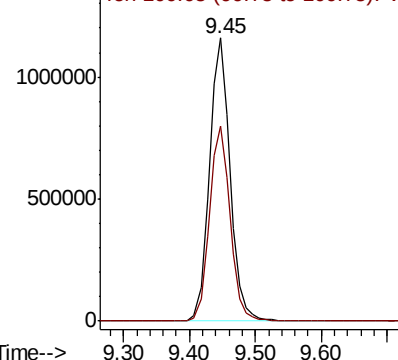
#50
Toluene-d8
Concen: N.D. ug/l
RT: 9.45 min Scan# 805
Delta R.T. 0.01 min
Lab File: VD060109.D
Acq: 2 Oct 2018 11:47

Instrument :
MSVOA_D
ClientSampleId :
VD1002SBL01

Tot Ion: 98 Resp: 2533442
Ion Ratio Lower Upper
98 100
100 69.1 55.4 83.0

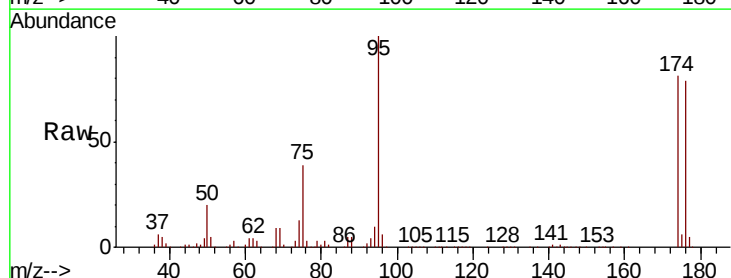


Abundance Ion 98.05 (97.75 to 98.75): VD0
Ion 100.05 (99.75 to 100.75): VD

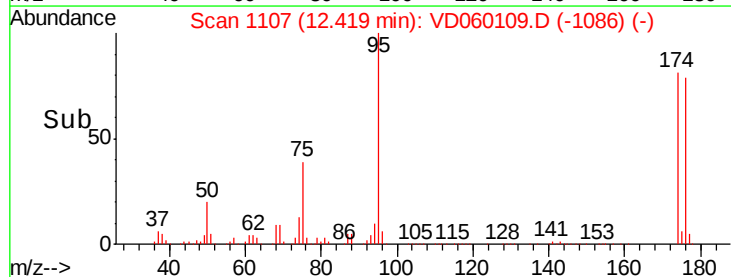
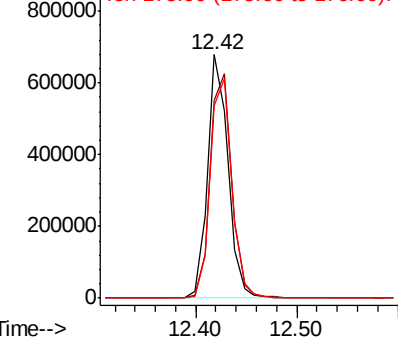


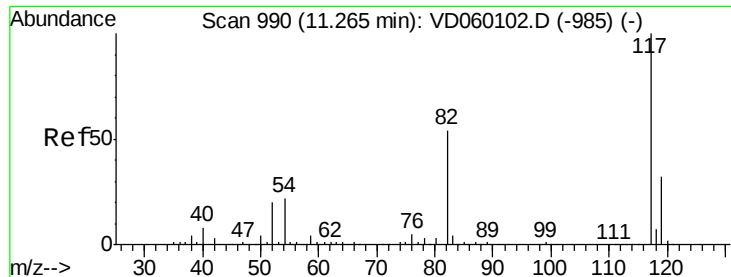
#62
4-Bromofluorobenzene
Concen: Below ug/l
RT: 12.42 min Scan# 1107
Delta R.T. 0.00 min
Lab File: VD060109.D
Acq: 2 Oct 2018 11:47

Tgt Ion: 95 Resp: 964379
Ion Ratio Lower Upper
95 100
174 80.9 0.0 200.2
176 78.8 0.0 195.6



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: 50.000 ug/l

RT: 11.28 min Scan# 991

Delta R.T. 0.01 min

Lab File: VD060109.D

Acq: 2 Oct 2018 11:47

Instrument :

MSVOA_D

ClientSampleId :

VD1002SBL01

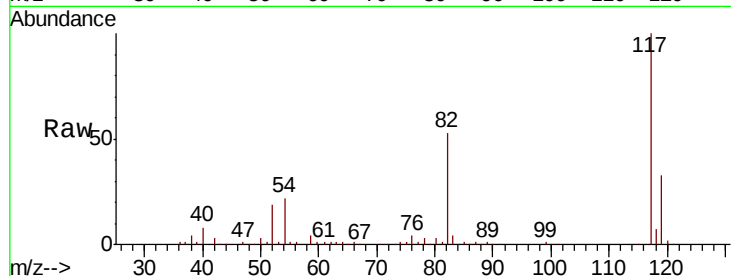
Tot Ion:117 Resp: 1715488

Ion Ratio Lower Upper

117 100

82 53.2 43.4 65.2

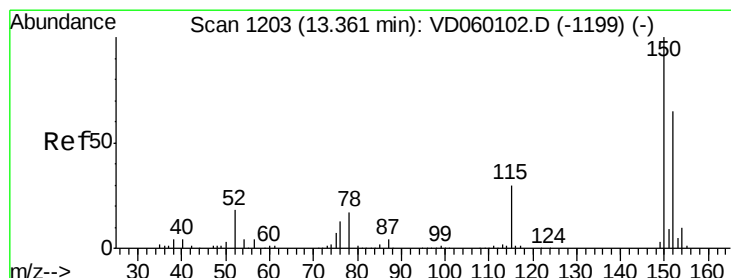
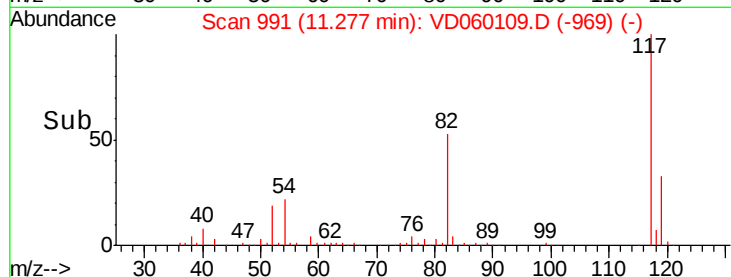
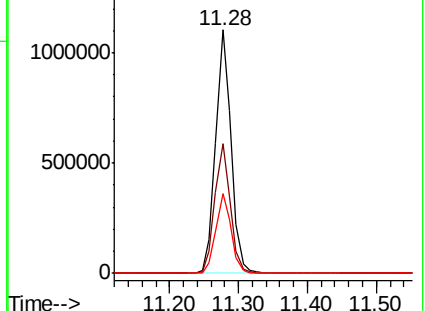
119 33.0 26.0 39.0



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: 13.37 min Scan# 1204

Delta R.T. 0.01 min

Lab File: VD060109.D

Acq: 2 Oct 2018 11:47

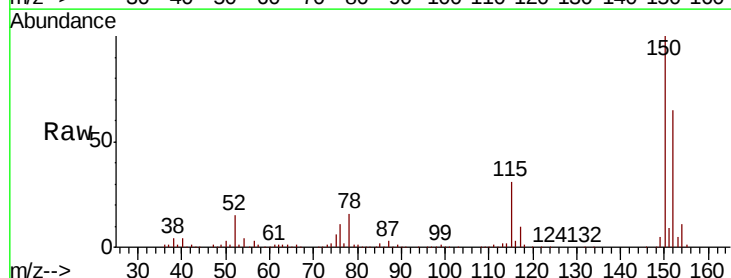
Tgt Ion:152 Resp: 963423

Ion Ratio Lower Upper

152 100

115 48.1 27.1 81.2

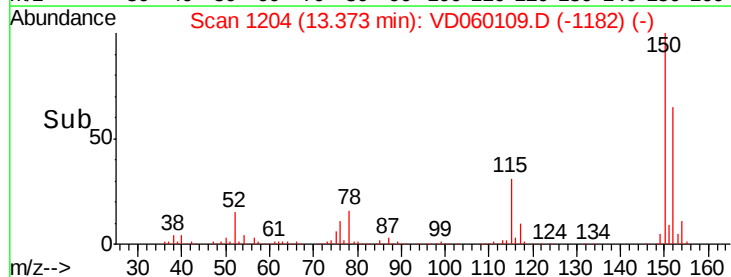
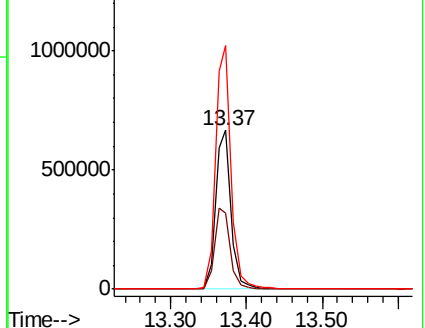
150 153.1 0.0 311.8

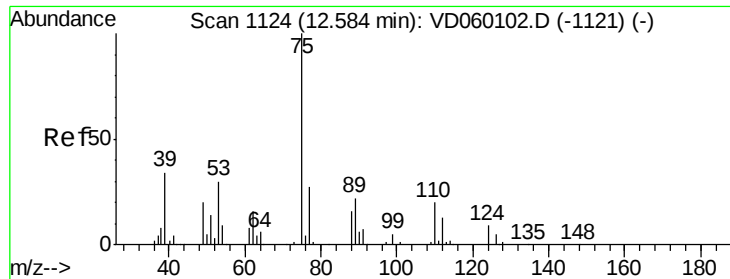


Abundance Ion 151.90 (151.60 to 152.60): V

Ion 115.00 (114.70 to 115.70): V

Ion 149.90 (149.60 to 150.60): V





#76

1,2,3-Trichloropropane

Concen: 26.119 ug/l

RT: 12.42 min Scan# 1107

Delta R.T. -0.17 min

Lab File: VD060109.D

Acq: 2 Oct 2018 11:47

Instrument :

MSVOA_D

ClientSampleId :

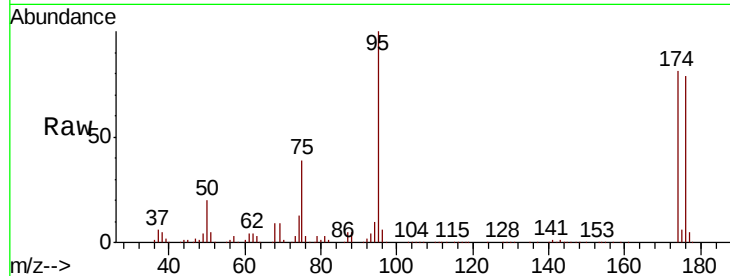
VD1002SBL01

Tot Ion: 75 Resp: 362393

Ion Ratio Lower Upper

75 100

77 1.2 16.3 48.9#



Abundance Ion 75.00 (74.70 to 75.70): VDC

Ion 76.95 (76.65 to 77.65): VDC

12.42

250000

200000

150000

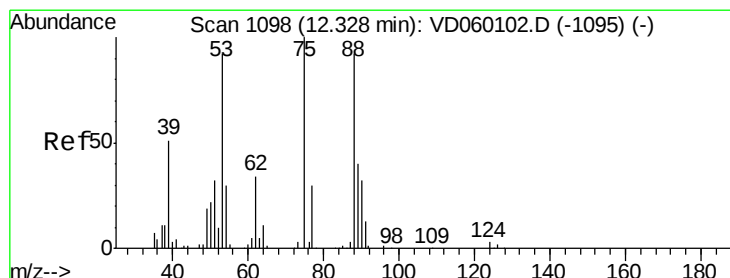
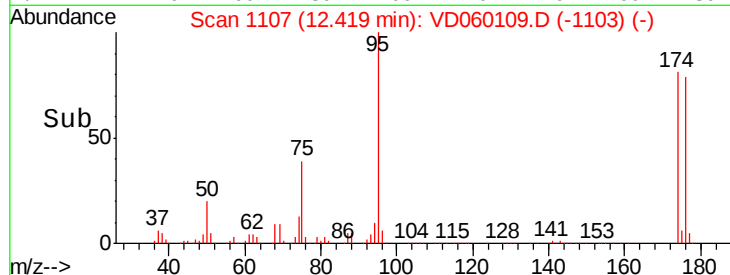
100000

50000

0

Time-->

12.40 12.50



#81

trans-1,4-Dichloro-2-butene

Concen: 94.795 ug/l

RT: 12.42 min Scan# 1107

Delta R.T. 0.09 min

Lab File: VD060109.D

Acq: 2 Oct 2018 11:47

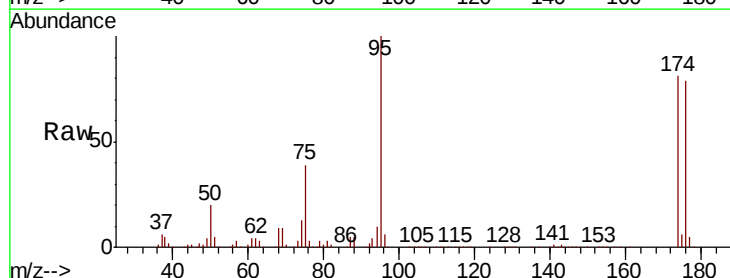
Tgt Ion: 75 Resp: 369564

Ion Ratio Lower Upper

75 100

53 0.0 73.0 109.6#

89 0.0 32.0 48.0#



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

12.42

300000

200000

100000

0

Time-->

12.35 12.40 12.45 12.50

