

Data Path : Z:\VOASRV\HPCHEM1\MSVOA D\DATA\VD110718\
 Data File : VD060305.D
 Acq On : 7 Nov 2018 17:10
 Operator : JC/SY
 Sample : J5768-01
 Misc : 7.03q/5ml/MSVOA D/SOIL
 ALS Vial : 15 Sample Multiplier: 1

Instrument :
 MSVOA_D
 ClientSampleId :

Quant Time: Nov 08 13:24:21 2018
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_D\METHOD\82D110618S.M
 Quant Title : SW846 8260
 QLast Update : Tue Nov 06 13:56:04 2018
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Pentafluorobenzene	6.41	168	333281	50.00	ug/l	-0.02
34) 1,4-Difluorobenzene	7.44	114	520542	50.00	ug/l	-0.02
63) Chlorobenzene-d5	11.29	117	459249	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.38	152	232420	50.00	ug/l	0.00

System Monitoring Compounds	R.T.	QIon	Response	Conc	Units	Dev(Min)
33) 1,2-Dichloroethane-d4	6.78	65	162079	67.92	ug/l	-0.02
Spiked Amount				50.000		
			Recovery	=	135.84%	
35) Dibromofluoromethane	6.32	113	156675	40.36	ug/l	-0.02
Spiked Amount				50.000		
			Recovery	=	80.72%	
50) Toluene-d8	9.46	98	349384	30.75	ug/l	0.00
Spiked Amount				50.000		
			Recovery	=	61.50%	
62) 4-Bromofluorobenzene	12.43	95	150780	36.63	ug/l	0.00
Spiked Amount				50.000		
			Recovery	=	73.26%	

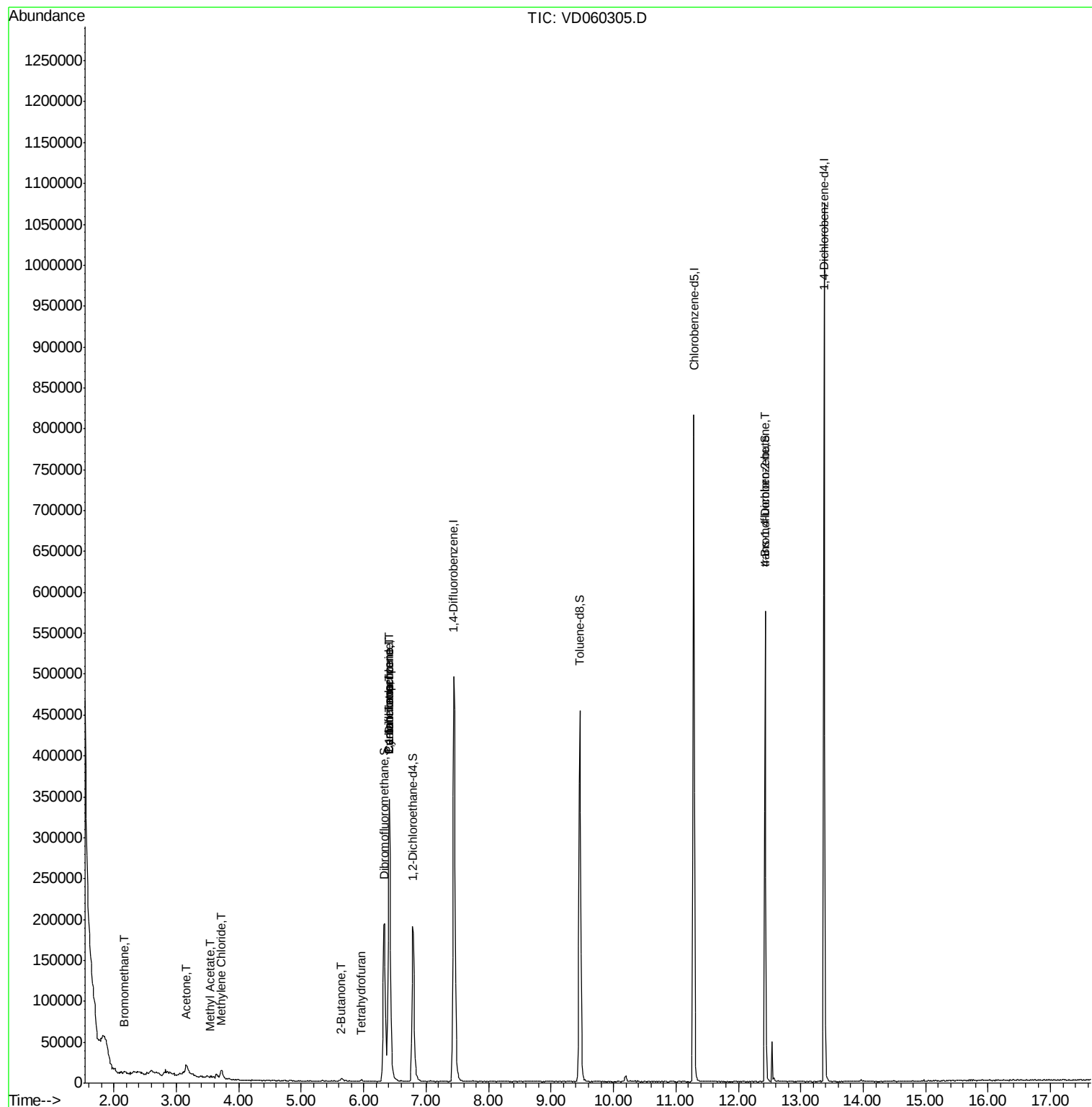
Target Compounds	R.T.	QIon	Response	Conc	Units	Qvalue
5) Bromomethane	2.18	94	955	1.56	ug/l #	2
16) Acetone	3.16	43	28303	68.38	ug/l #	89
18) Methyl Acetate	3.54	43	974	1.10	ug/l #	63
20) Methylene Chloride	3.73	84	6882	1.87	ug/l #	74
25) 2-Butanone	5.63	43	887	1.03	ug/l #	60
29) Tetrahydrofuran	5.97	42	1872	4.13	ug/l #	41
31) Cyclohexane	6.41	56	6023	1.06	ug/l #	1
36) 1,1-Dichloropropene	6.41	75	23270	4.52	ug/l #	46
38) Carbon Tetrachloride	6.41	117	25839	5.42	ug/l #	15
81) trans-1,4-Dichloro-2-buten	12.43	75	64303	81.24	ug/l #	15
89) n-Butylbenzene	13.65	91	188	Below Cal	#	29

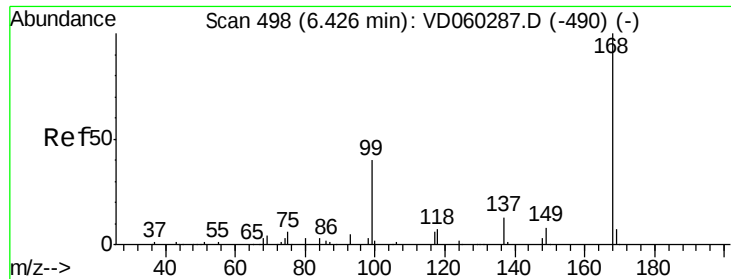
(#) = qualifier out of range (m) = manual integration (+) = signals summed

Data Path : Z:\V0ASRV\HPCHEM1\MSVOA D\DATA\VD110718\
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Quant Title : SW846 8260
QLast Update : Tue Nov 06 13:56:04 2018
Response via : Initial Calibration





#1

Pentafluorobenzene

Concen: 50.00 ug/l

RT: 6.41 min Scan# 496

Delta R.T. -0.02 min

Lab File: VD060305.D

Acq: 7 Nov 2018 17:10

Instrument :

MSVOA_D

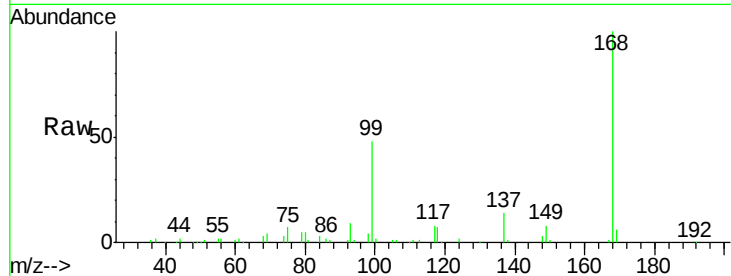
ClientSampleId :

Tot Ion:168 Resp: 333281

Ion Ratio Lower Upper

168 100

99 48.1 39.8 59.8



Abundance Ion 167.90 (167.60 to 168.60):

Ion 98.95 (98.65 to 99.65): VD

6.41

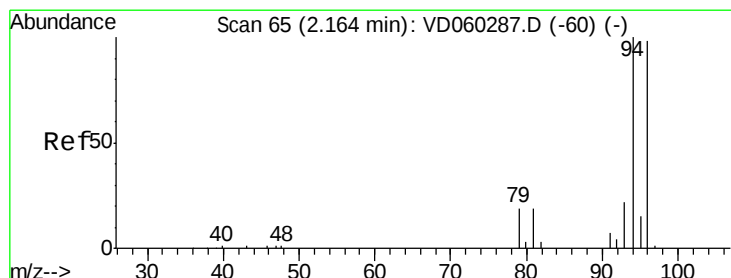
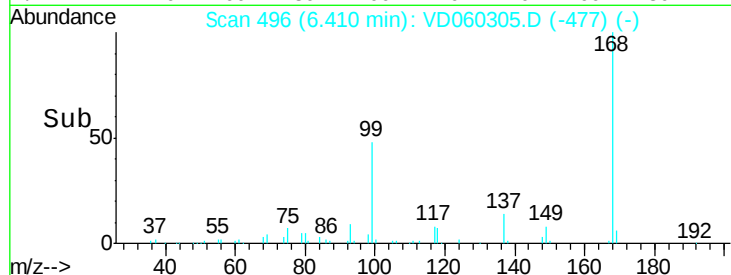
150000

100000

50000

0

Time-->



#5

Bromomethane

Concen: 1.56 ug/l

RT: 2.18 min Scan# 66

Delta R.T. 0.01 min

Lab File: VD060305.D

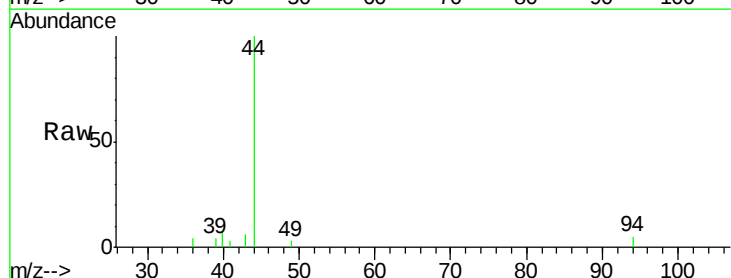
Acq: 7 Nov 2018 17:10

Tgt Ion: 94 Resp: 955

Ion Ratio Lower Upper

94 100

96 0.0 76.6 114.8#



Abundance Ion 93.90 (93.60 to 94.60): VD

Ion 95.90 (95.60 to 96.60): VD

2.18

600

500

400

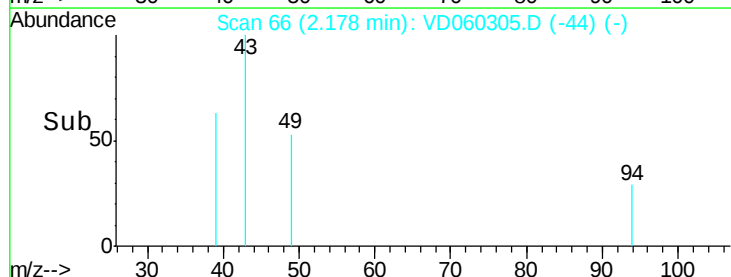
300

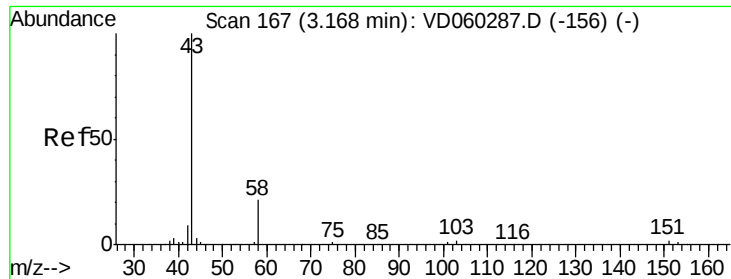
200

100

0

Time-->





#16

Acetone

Concen: 68.38 ug/l

RT: 3.16 min Scan# 166

Delta R.T. -0.01 min

Lab File: VD060305.D

Acq: 7 Nov 2018 17:10

Instrument :

MSVOA_D

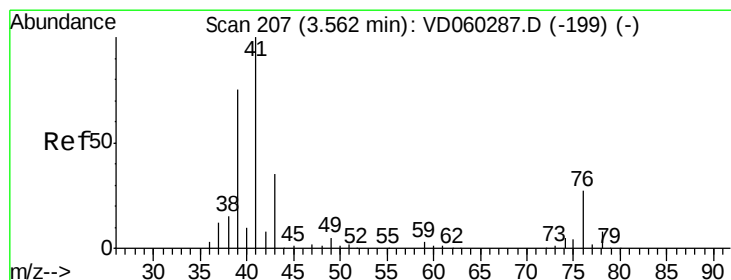
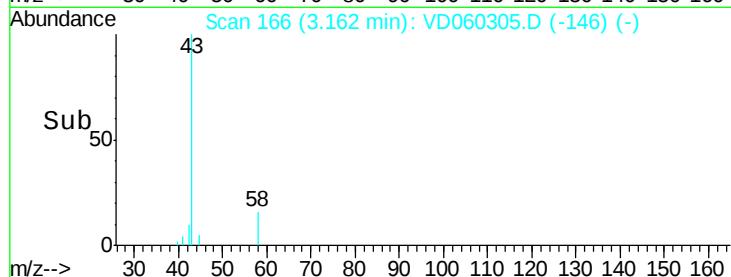
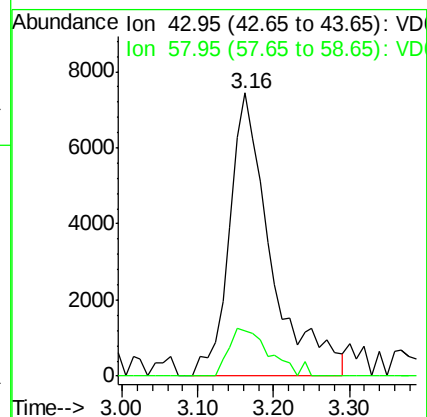
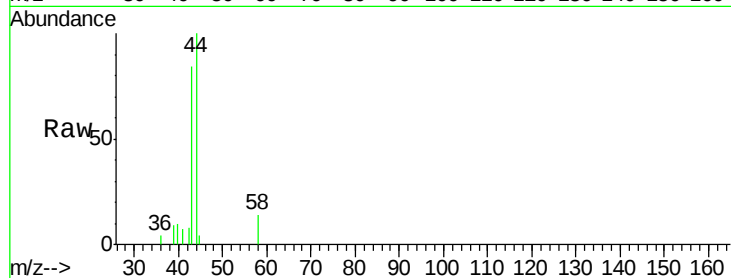
ClientSampled :

Tot Ion: 43 Resp: 28303

Ion Ratio Lower Upper

43 100

58 16.1 16.9 25.3#



#18

Methyl Acetate

Concen: 1.10 ug/l

RT: 3.54 min Scan# 204

Delta R.T. -0.03 min

Lab File: VD060305.D

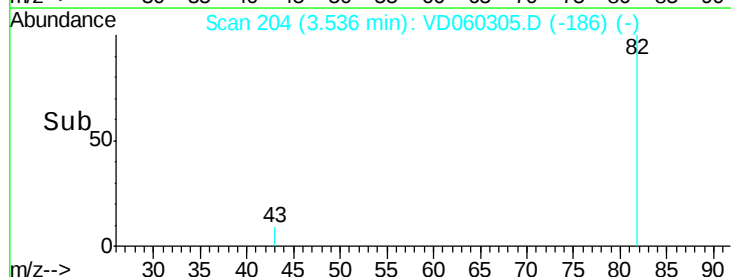
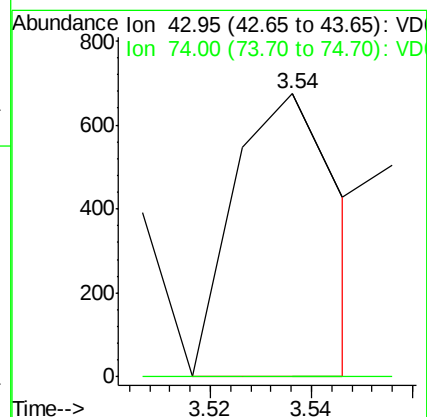
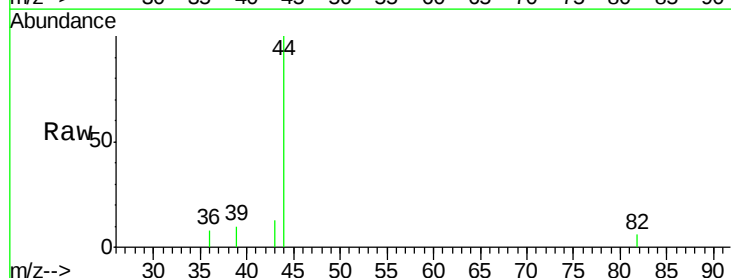
Acq: 7 Nov 2018 17:10

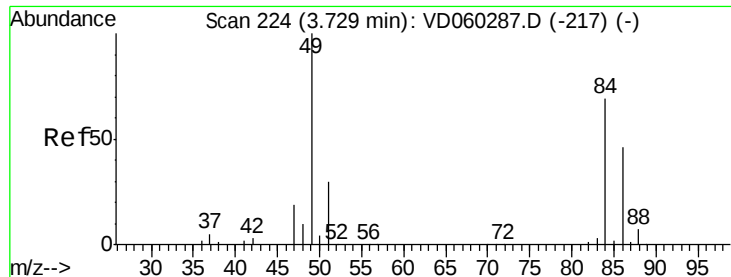
Tgt Ion: 43 Resp: 974

Ion Ratio Lower Upper

43 100

74 0.0 12.4 18.6#

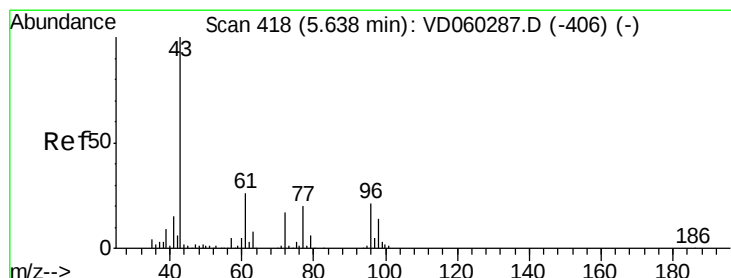
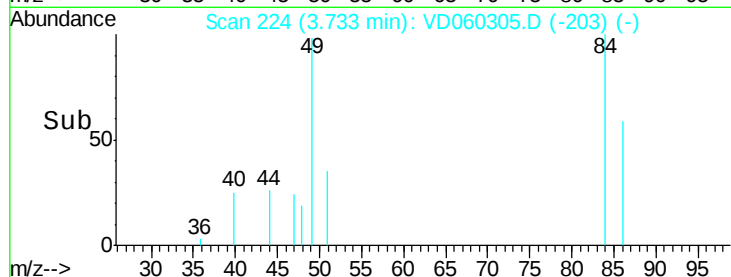
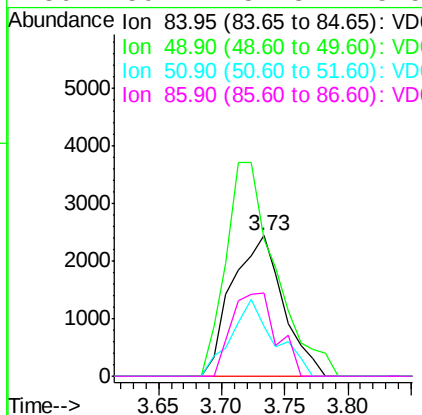
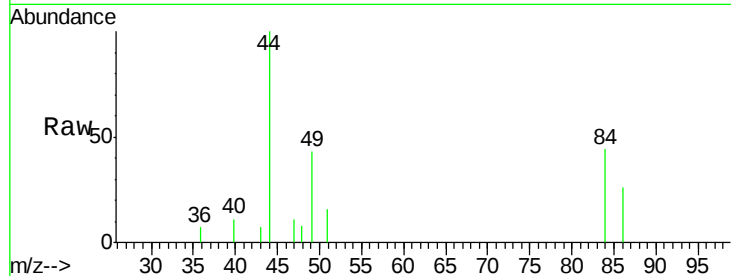




#20
Methvlene Chloride
Concen: 1.87 ug/l
RT: 3.73 min Scan# 224
Delta R.T. 0.00 min
Lab File: VD060305.D
Acq: 7 Nov 2018 17:10

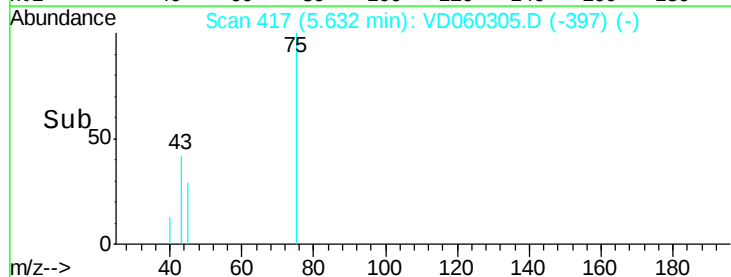
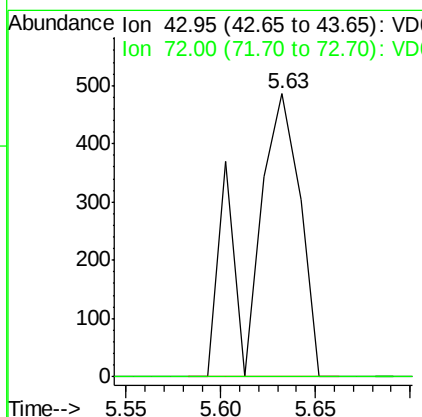
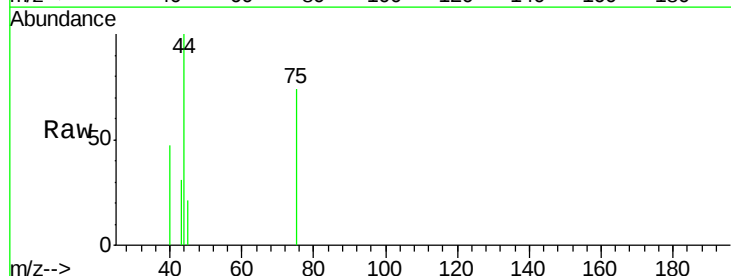
Instrument :
MSVOA_D
ClientSampleId :

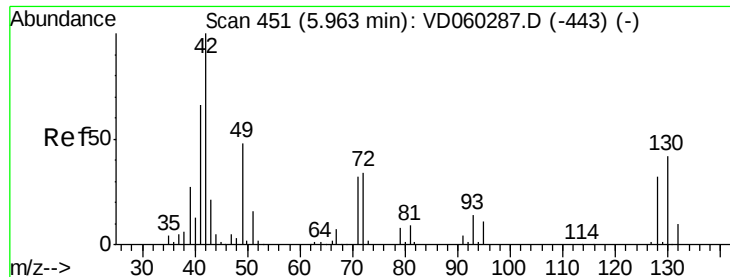
Tot Ion: 84 Resp: 6882
Ion Ratio Lower Upper
84 100
49 97.6 115.6 173.4#
51 35.3 35.6 53.4#
86 59.1 52.3 78.5



#25
2-Butanone
Concen: 1.03 ug/l
RT: 5.63 min Scan# 417
Delta R.T. -0.01 min
Lab File: VD060305.D
Acq: 7 Nov 2018 17:10

Tgt Ion: 43 Resp: 887
Ion Ratio Lower Upper
43 100
72 0.0 13.8 20.8#





#29

Tetrahydrofuran

Concen: 4.13 ug/l

RT: 5.97 min Scan# 451

Delta R.T. 0.00 min

Lab File: VD060305.D

Acq: 7 Nov 2018 17:10

Instrument :

MSVOA_D

ClientSampleId :

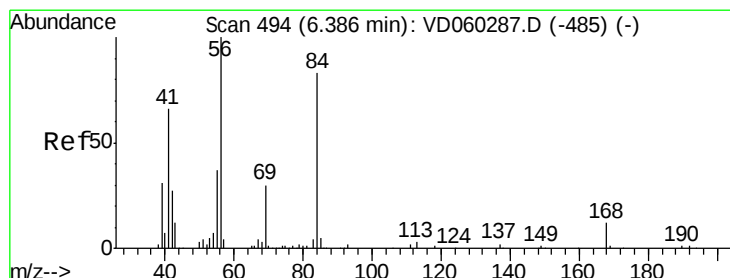
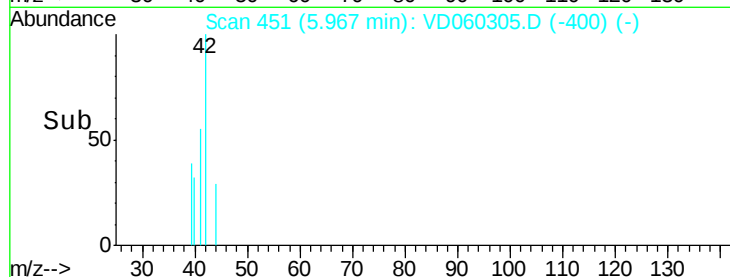
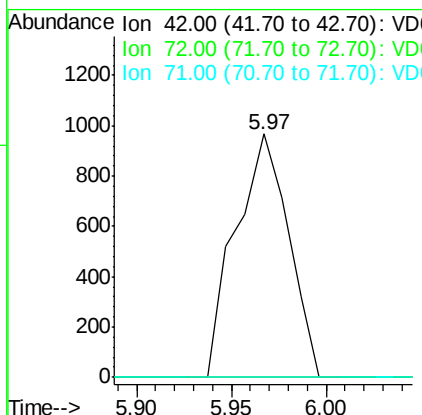
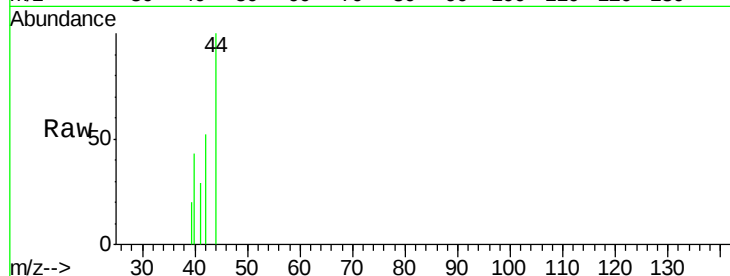
Tot Ion: 42 Resp: 1872

Ion Ratio Lower Upper

42 100

72 0.0 27.6 41.4#

71 0.0 26.5 39.7#



#31

Cyclohexane

Concen: 1.06 ug/l

RT: 6.41 min Scan# 496

Delta R.T. 0.02 min

Lab File: VD060305.D

Acq: 7 Nov 2018 17:10

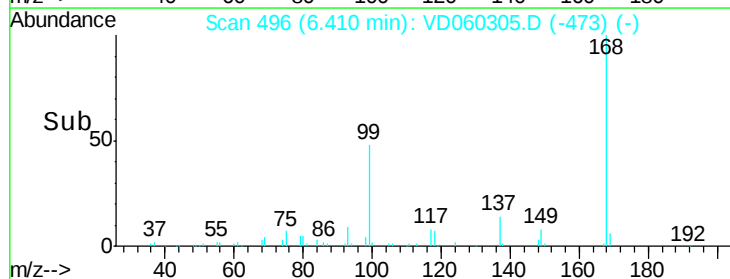
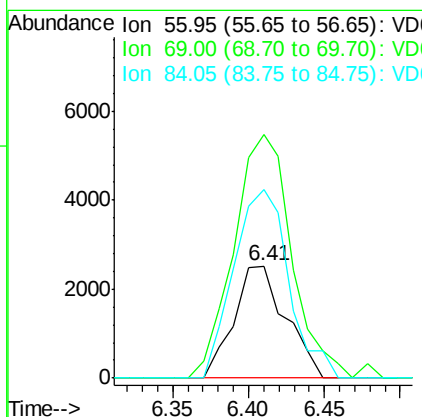
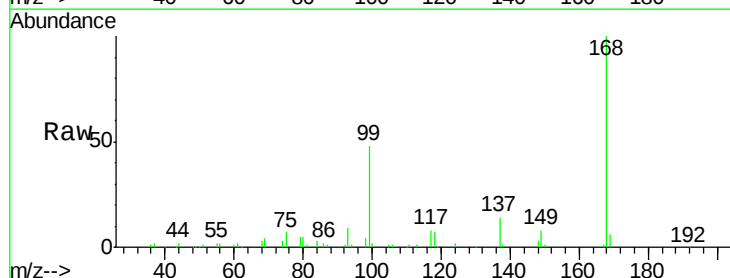
Tgt Ion: 56 Resp: 6023

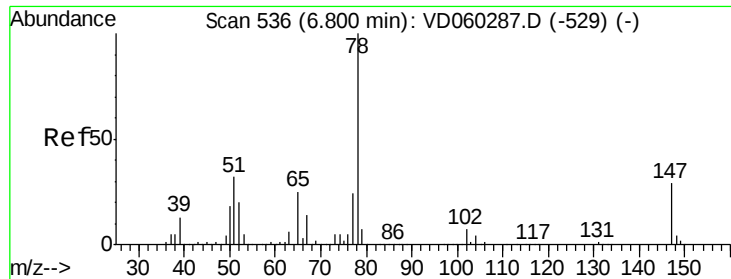
Ion Ratio Lower Upper

56 100

69 216.7 22.2 33.2#

84 168.4 63.0 94.4#

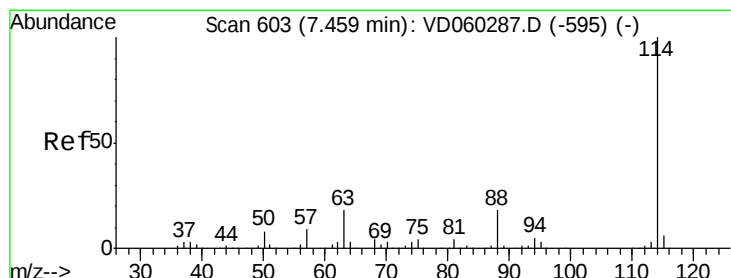
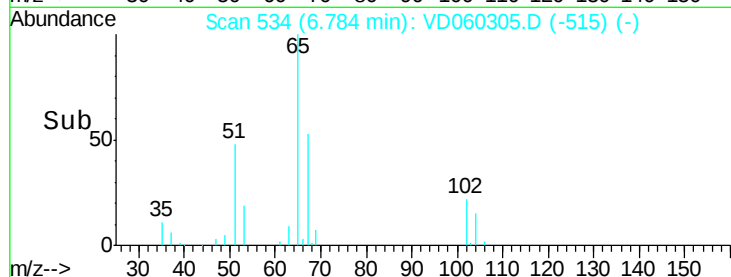
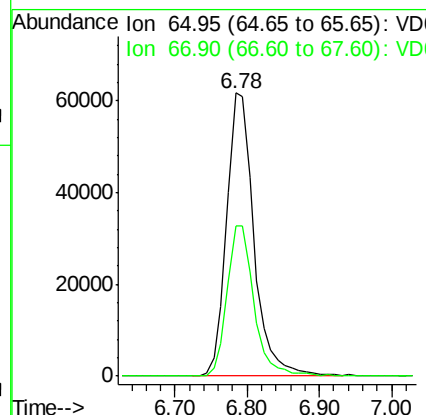
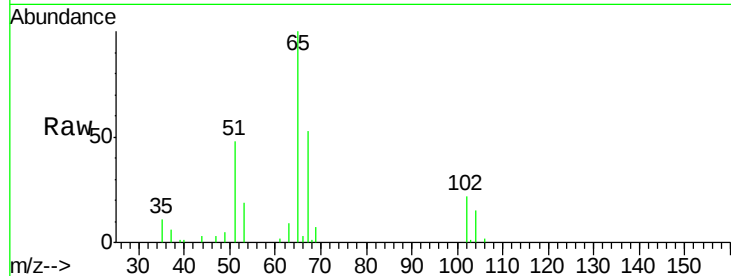




#33
 1,2-Dichloroethane-d4
 Concen: N.D. ug/l
 RT: 6.78 min Scan# 534
 Delta R.T. -0.02 min
 Lab File: VD060305.D
 Acq: 7 Nov 2018 17:10

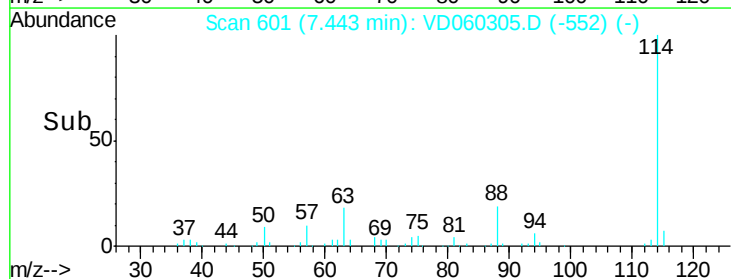
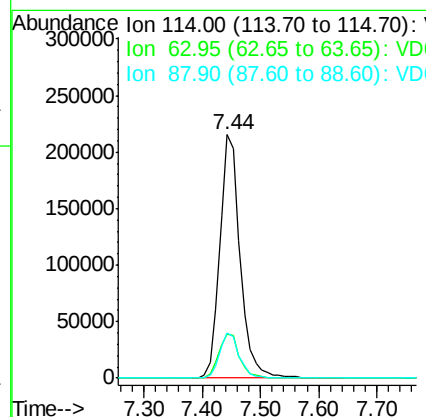
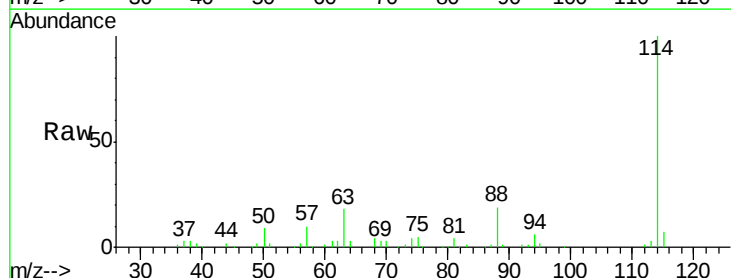
Instrument :
 MSVOA_D
 ClientSampleId :

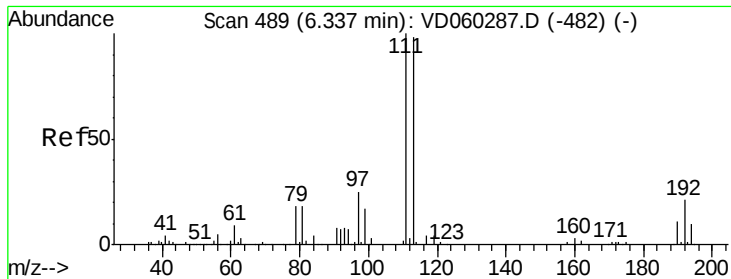
Tot Ion: 65 Resp: 162079
 Ion Ratio Lower Upper
 65 100
 67 53.1 0.0 109.8



#34
 1,4-Difluorobenzene
 Concen: 50.00 ug/l
 RT: 7.44 min Scan# 601
 Delta R.T. -0.02 min
 Lab File: VD060305.D
 Acq: 7 Nov 2018 17:10

Tgt Ion: 114 Resp: 520542
 Ion Ratio Lower Upper
 114 100
 63 17.9 0.0 34.0
 88 18.7 0.0 35.4





#35

Dibromofluoromethane

Concen: 50.00 ug/l

RT: 6.32 min Scan# 487

Delta R.T. -0.02 min

Lab File: VD060305.D

Acq: 7 Nov 2018 17:10

Instrument :
MSVOA_D
ClientSampleId :

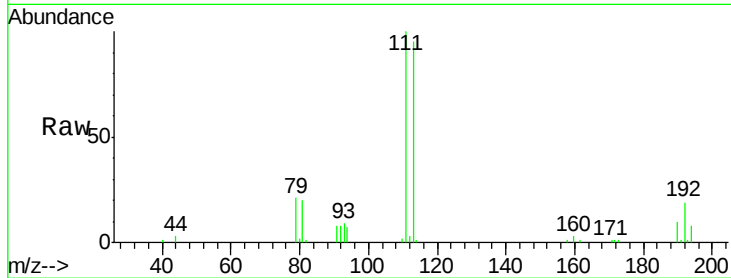
Tot Ion:113 Resp: 156675

Ion Ratio Lower Upper

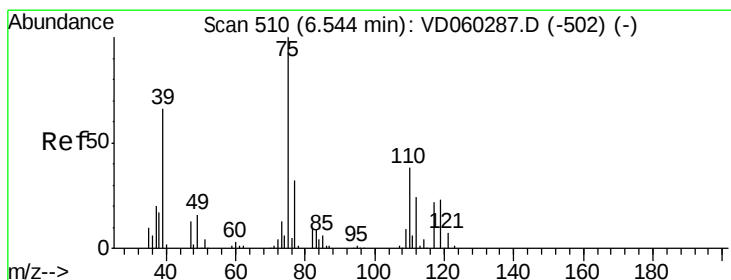
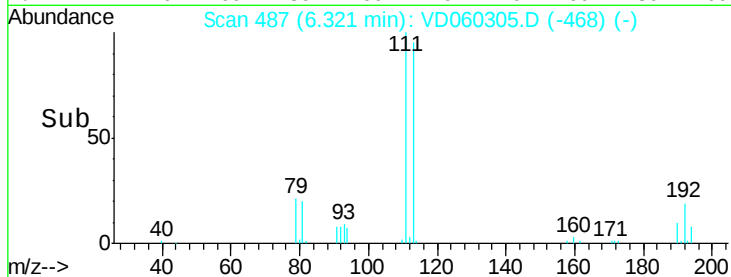
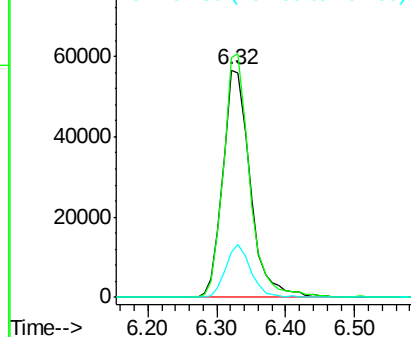
113 100

111 105.2 81.6 122.4

192 19.6 16.5 24.7



Abundance Ion 112.90 (112.60 to 113.60):
Ion 110.90 (110.60 to 111.60):
Ion 191.80 (191.50 to 192.50):



#36

1,1-Dichloropropene

Concen: 4.52 ug/l

RT: 6.41 min Scan# 496

Delta R.T. -0.13 min

Lab File: VD060305.D

Acq: 7 Nov 2018 17:10

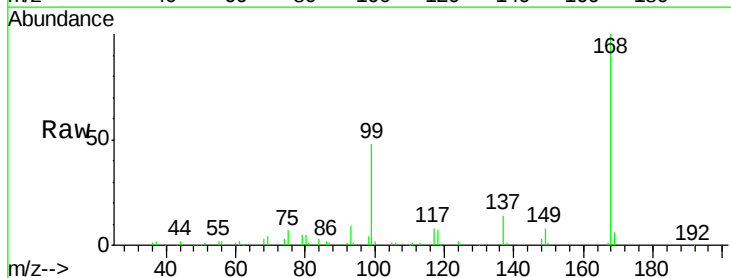
Tgt Ion: 75 Resp: 23270

Ion Ratio Lower Upper

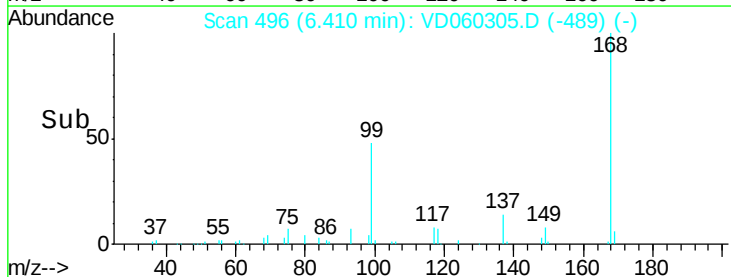
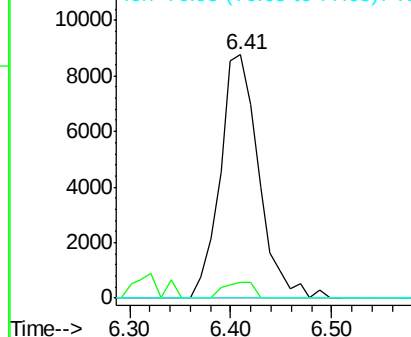
75 100

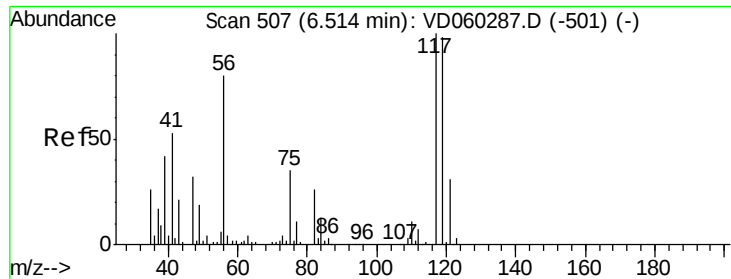
110 6.4 18.0 54.0#

77 0.0 25.6 38.4#



Abundance Ion 75.00 (74.70 to 75.70): VD
Ion 109.90 (109.60 to 110.60):
Ion 76.95 (76.65 to 77.65): VD

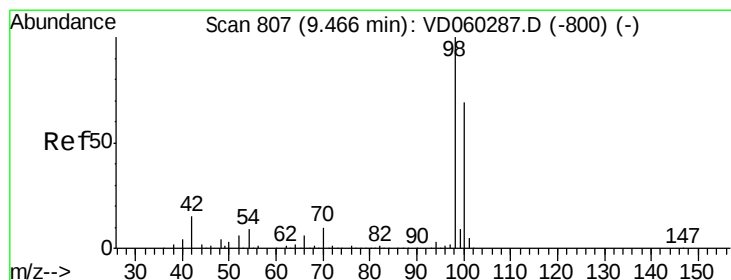
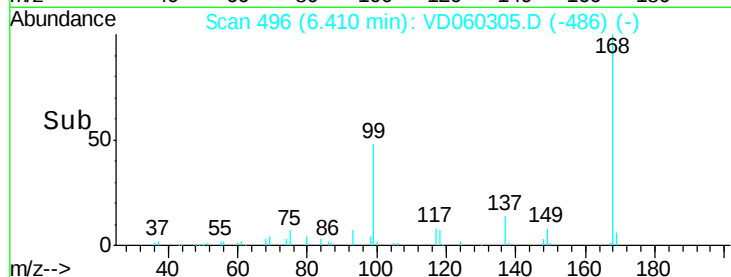
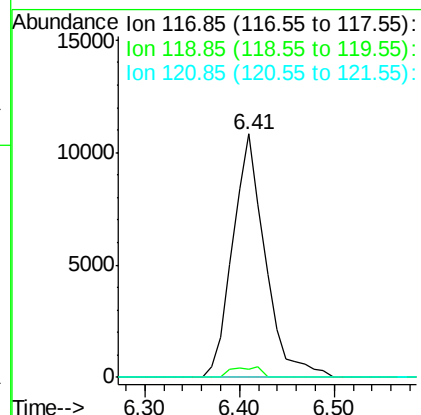
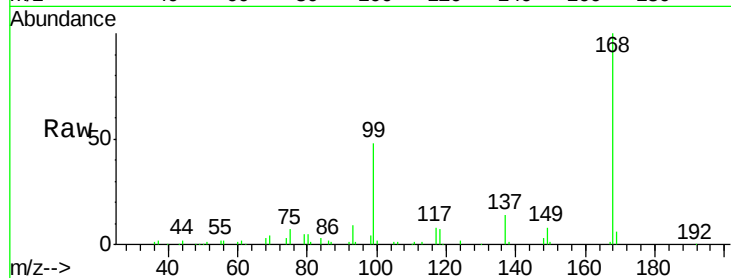




#38
Carbon Tetrachloride
Concen: 5.42 ug/l
RT: 6.41 min Scan# 496
Delta R.T. -0.10 min
Lab File: VD060305.D
Acq: 7 Nov 2018 17:10

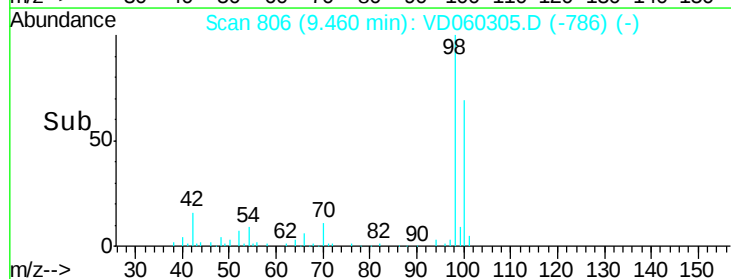
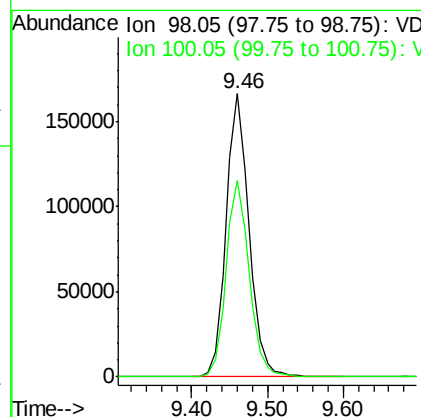
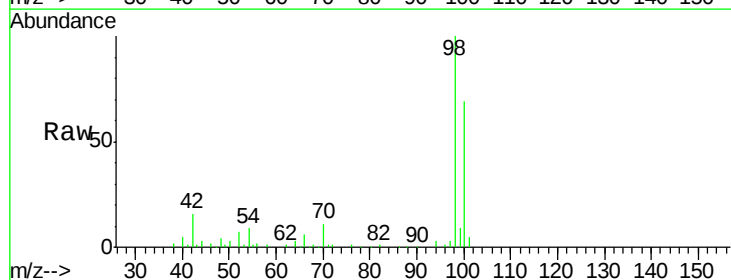
Instrument :
MSVOA_D
ClientSampled :

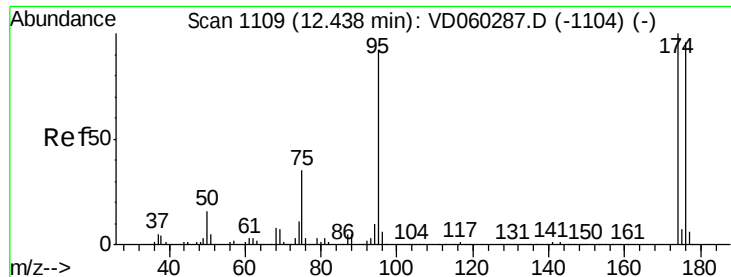
Tot Ion:117 Resp: 25839
Ion Ratio Lower Upper
117 100
119 3.5 76.6 115.0#
121 0.0 24.3 36.5#



#50
Toluene-d8
Concen: N.D. ug/l
RT: 9.46 min Scan# 806
Delta R.T. -0.01 min
Lab File: VD060305.D
Acq: 7 Nov 2018 17:10

Tgt Ion: 98 Resp: 349384
Ion Ratio Lower Upper
98 100
100 69.4 55.2 82.8

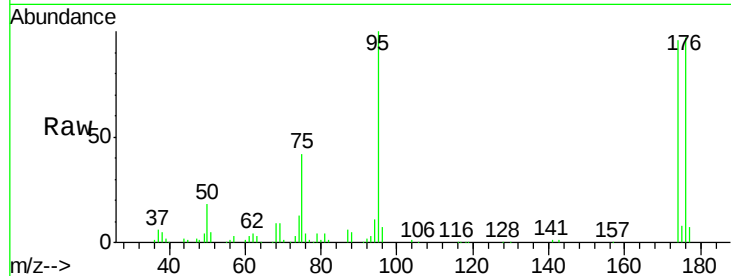




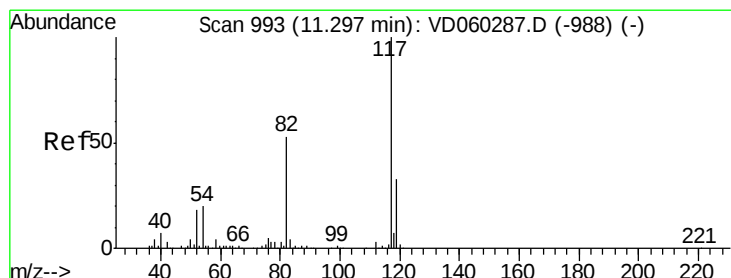
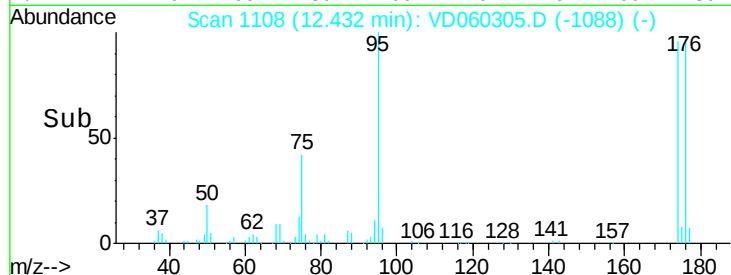
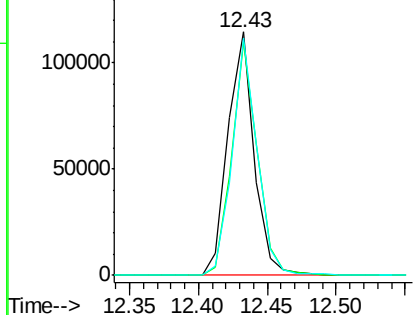
#62
4-Bromofluorobenzene
Concen: N.D. ug/l
RT: 12.43 min Scan# 1108
Delta R.T. -0.01 min
Lab File: VD060305.D
Acq: 7 Nov 2018 17:10

Instrument :
MSVOA_D
ClientSampleId :

Tot Ion: 95 Resp: 150780
Ion Ratio Lower Upper
95 100
174 95.8 0.0 160.8
176 97.4 0.0 154.6

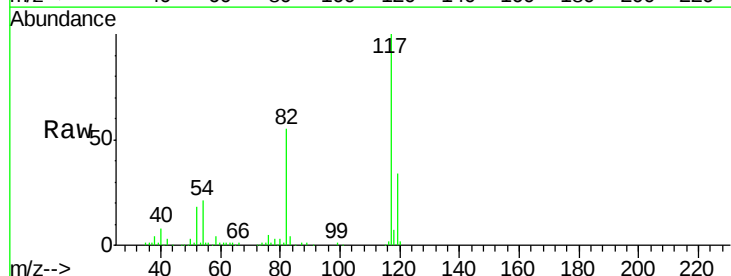


Abundance Ion 95.00 (94.70 to 95.70): VD
Ion 173.90 (173.60 to 174.60):
Ion 175.90 (175.60 to 176.60):

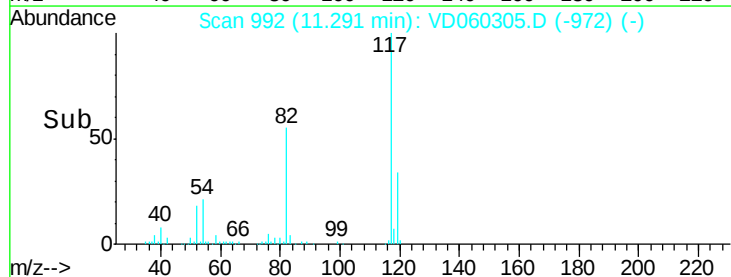
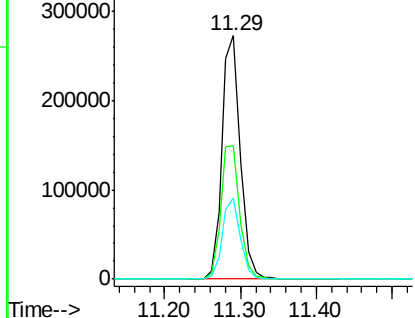


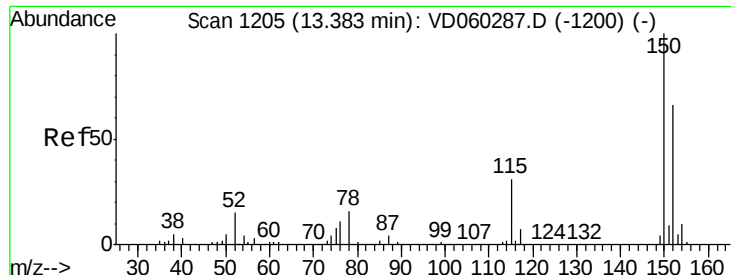
#63
Chlorobenzene-d5
Concen: 50.00 ug/l
RT: 11.29 min Scan# 992
Delta R.T. -0.01 min
Lab File: VD060305.D
Acq: 7 Nov 2018 17:10

Tgt Ion: 117 Resp: 459249
Ion Ratio Lower Upper
117 100
82 55.0 43.7 65.5
119 33.5 26.1 39.1



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





#72

1,4-Dichlorobenzene-d4

Concen: 50.00 ug/l

RT: 13.38 min Scan# 1204

Delta R.T. -0.01 min

Lab File: VD060305.D

Acq: 7 Nov 2018 17:10

Instrument :

MSVOA_D

ClientSampleId :

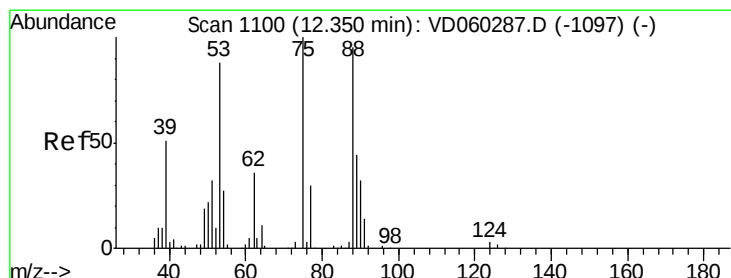
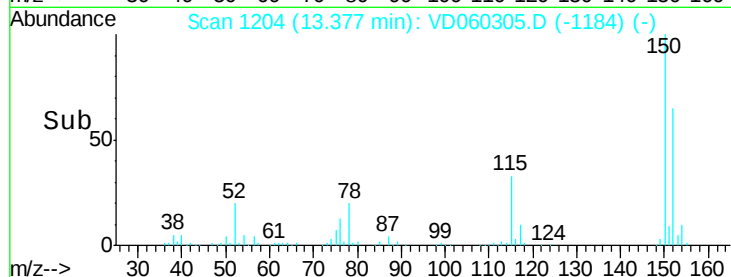
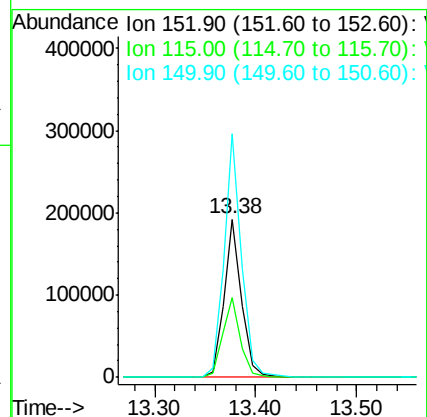
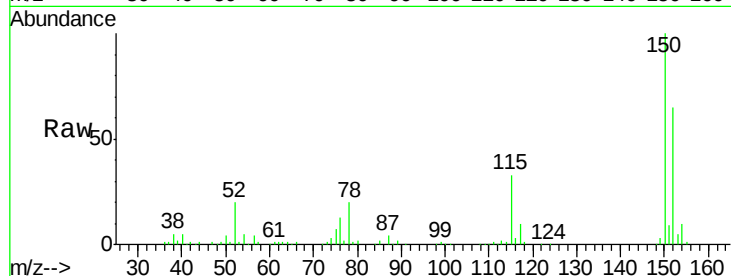
Tot Ion:152 Resp: 232420

Ion Ratio Lower Upper

152 100

115 50.6 24.1 72.3

150 154.2 0.0 310.6



#81

trans-1,4-Dichloro-2-butene

Concen: 81.24 ug/l

RT: 12.43 min Scan# 1108

Delta R.T. 0.08 min

Lab File: VD060305.D

Acq: 7 Nov 2018 17:10

Tgt Ion: 75 Resp: 64303

Ion Ratio Lower Upper

75 100

53 0.0 68.6 103.0#

89 0.0 34.1 51.1#

