

Data Path : Z:\VOASRV\HPCHEM1\MSVOA X\DATA\VX043019\
 Data File : VX009235.D
 Acq On : 30 Apr 2019 10:57
 Operator : JC/SP
 Sample : VX0430WBL01
 Misc : 5.0mL/MSVOA X/WATER
 ALS Vial : 4 Sample Multiplier: 1

Instrument :
 MSVOA_X
 ClientSampleId :
 VX0430WBL01

Quant Time: May 01 01:19:08 2019
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_X\METHOD\82X042919W.M
 Quant Title : SW846 8260
 QLast Update : Tue Apr 30 07:03:50 2019
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Pentafluorobenzene	5.67	168	214001	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	6.86	114	343816	50.00	ug/l	0.00
63) Chlorobenzene-d5	10.11	117	304618	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	12.08	152	132421	50.00	ug/l	0.00

System Monitoring Compounds	R.T.	QIon	Response	Conc	Units	Dev(Min)
33) 1,2-Dichloroethane-d4	6.06	65	141105	48.30	ug/l	0.00
Spiked Amount			Recovery	=	96.60%	
35) Dibromofluoromethane	5.50	113	103958	48.10	ug/l	0.00
Spiked Amount			Recovery	=	96.20%	
50) Toluene-d8	8.71	98	427422	48.98	ug/l	0.00
Spiked Amount			Recovery	=	97.96%	
62) 4-Bromofluorobenzene	11.13	95	146848	46.31	ug/l	0.00
Spiked Amount			Recovery	=	92.62%	

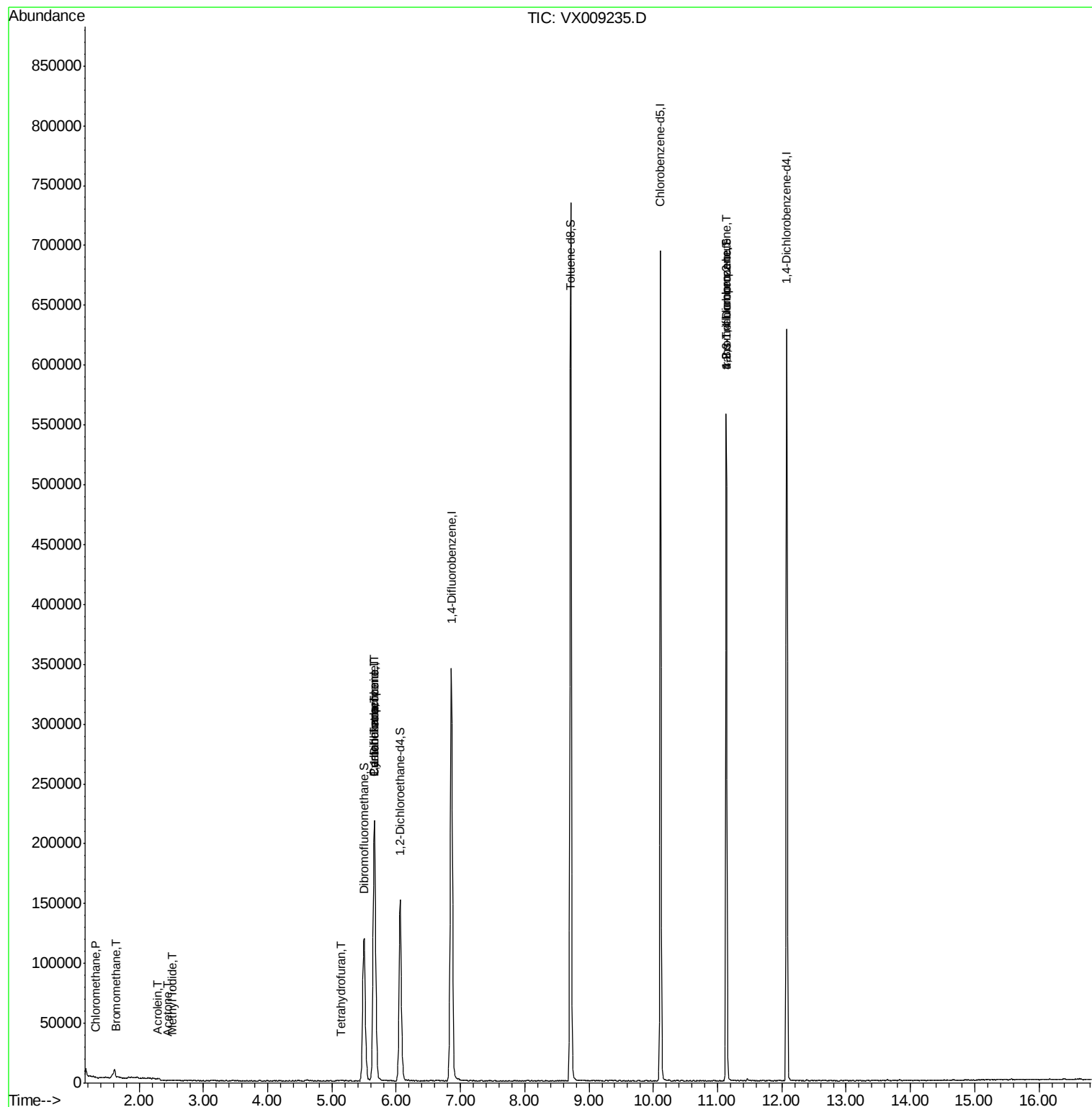
Target Compounds	R.T.	QIon	Response	Conc	Units	Qvalue
3) Chloromethane	1.33	50	562	0.209	ug/l	98
5) Bromomethane	1.64	94	694	0.440	ug/l #	79
10) Methyl Iodide	2.52	142	123	4.642	ug/l #	64
13) Acrolein	2.29	56	227	0.371	ug/l #	74
16) Acetone	2.45	43	564	0.360	ug/l	92
28) Bromochloromethane	5.01	49	27	Below Cal	#	20
29) Tetrahydrofuran	5.14	42	404	0.258	ug/l #	68
31) Cyclohexane	5.65	56	4931	1.142	ug/l #	1
36) 1,1-Dichloropropene	5.66	75	17118	5.358	ug/l #	51
38) Carbon Tetrachloride	5.67	117	20016	6.895	ug/l #	15
76) 1,2,3-Trichloropropane	11.13	75	75200	24.482	ug/l #	34
81) trans-1,4-Dichloro-2-buten	11.13	75	75200	62.640	ug/l #	10

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

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MSVOA_X
ClientSampleId :
VX0430WBL01

Quant Time: May 01 01:19:08 2019
Quant Method : Z:\V0ASRV\HPCHEM1\MSVOA_X\METHOD\82X042919W.M
Quant Title : SW846 8260
QLast Update : Tue Apr 30 07:03:50 2019
Response via : Initial Calibration





#1

Pentafluorobenzene

Concen: 50.000 ug/l

RT: 5.67 min Scan# 740

Delta R.T. 0.00 min

Lab File: VX009235.D

Acq: 30 Apr 2019 10:57

Instrument :

MSVOA_X

ClientSampleId :

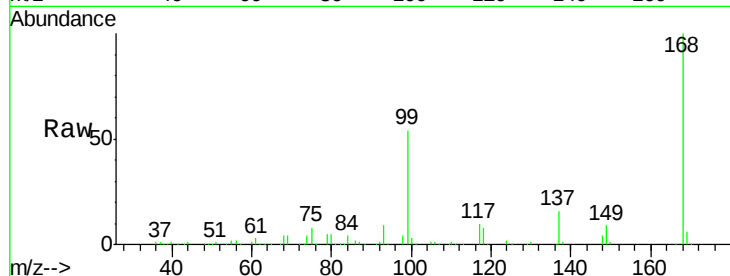
VX0430WBL01

Tot Ion:168 Resp: 214001

Ion Ratio Lower Upper

168 100

99 54.3 42.3 63.5



Abundance Ion 167.90 (167.60 to 168.60): V

Ion 98.90 (98.60 to 99.60): VX0

5.67

80000

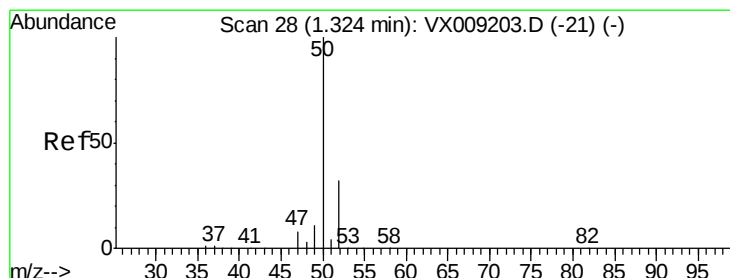
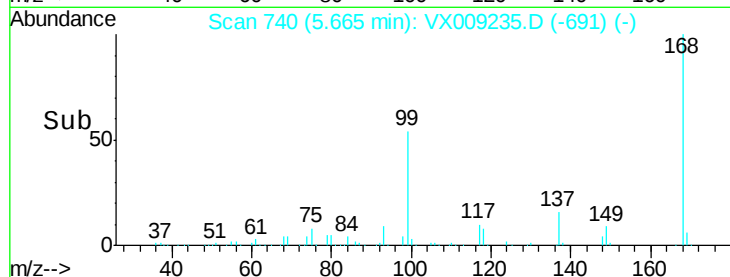
60000

40000

20000

0

Time--> 5.50 5.60 5.70 5.80



#3

Chloromethane

Concen: 0.209 ug/l

RT: 1.33 min Scan# 29

Delta R.T. 0.01 min

Lab File: VX009235.D

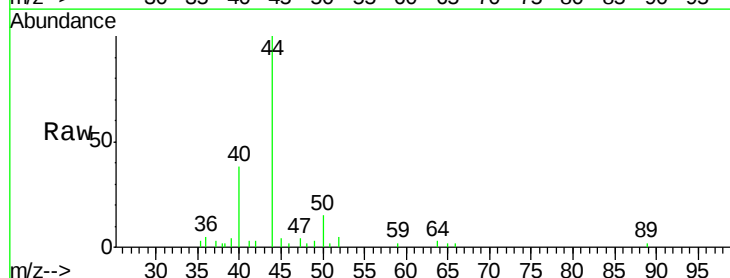
Acq: 30 Apr 2019 10:57

Tgt Ion: 50 Resp: 562

Ion Ratio Lower Upper

50 100

52 31.1 25.9 38.9



Abundance Ion 49.90 (49.60 to 50.60): VX0

Ion 51.90 (51.60 to 52.60): VX0

1.33

400

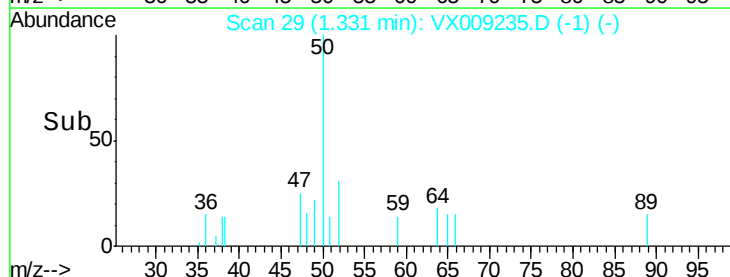
300

200

100

0

Time--> 1.25 1.30 1.35





#5

Bromomethane

Concen: 0.440 ug/l

RT: 1.64 min Scan# 80

Delta R.T. 0.01 min

Lab File: VX009235.D

Acq: 30 Apr 2019 10:57

Instrument :

MSVOA_X

ClientSampleId :

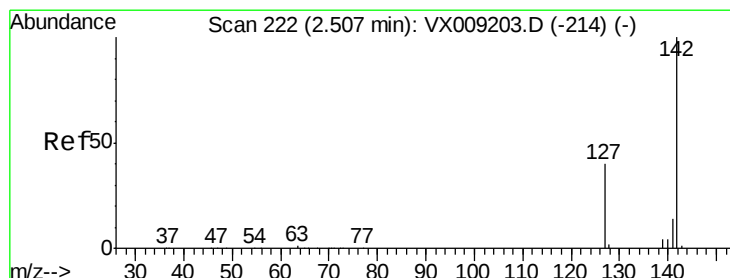
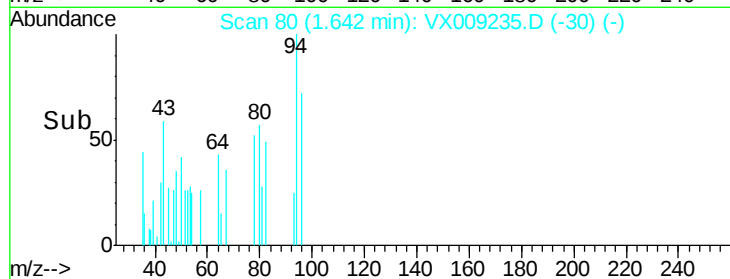
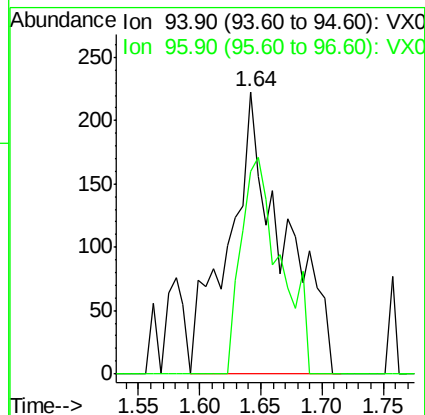
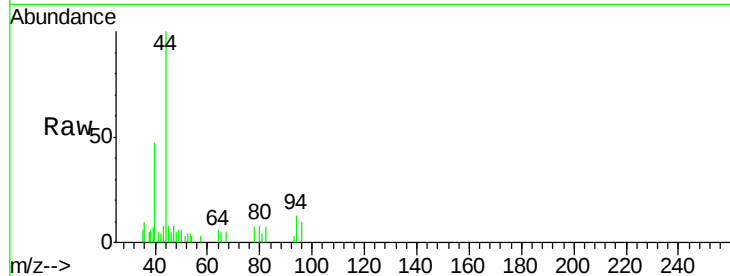
VX0430WBL01

Tot Ion: 94 Resp: 694

Ion Ratio Lower Upper

94 100

96 71.7 73.0 109.6#



#10

Methyl Iodide

Concen: 4.642 ug/l

RT: 2.52 min Scan# 224

Delta R.T. 0.01 min

Lab File: VX009235.D

Acq: 30 Apr 2019 10:57

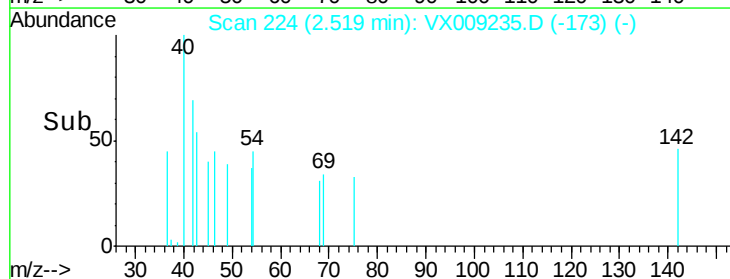
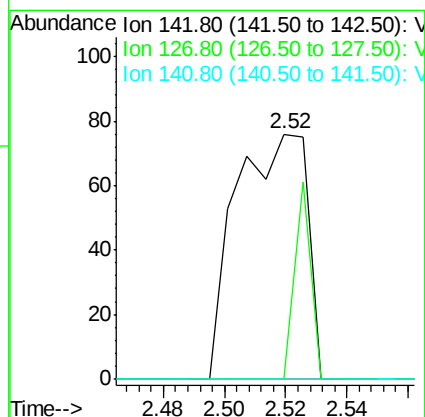
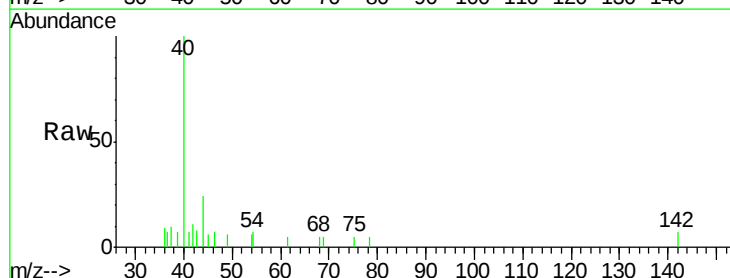
Tgt Ion: 142 Resp: 123

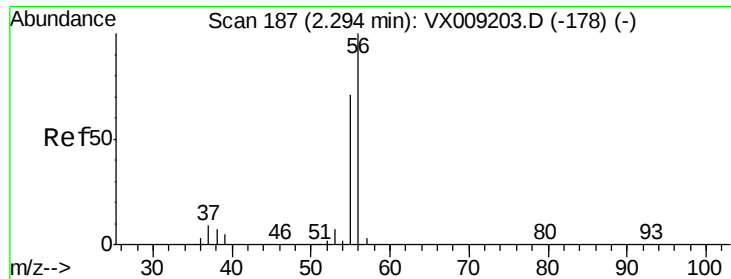
Ion Ratio Lower Upper

142 100

127 17.9 32.7 49.1#

141 0.0 11.5 17.3#





#13

Acrolein

Concen: 0.371 ug/l

RT: 2.29 min Scan# 187

Delta R.T. 0.00 min

Lab File: VX009235.D

Acq: 30 Apr 2019 10:57

Instrument :

MSVOA_X

ClientSampleId :

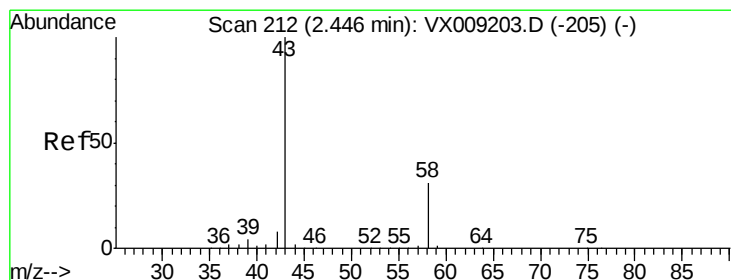
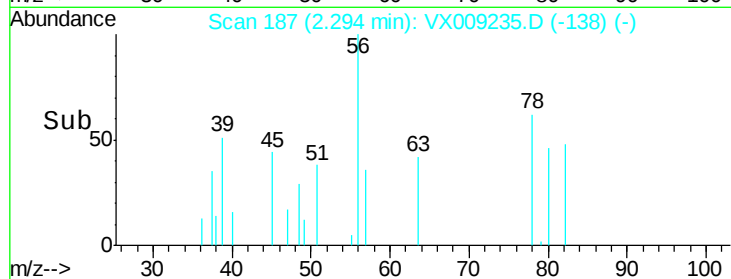
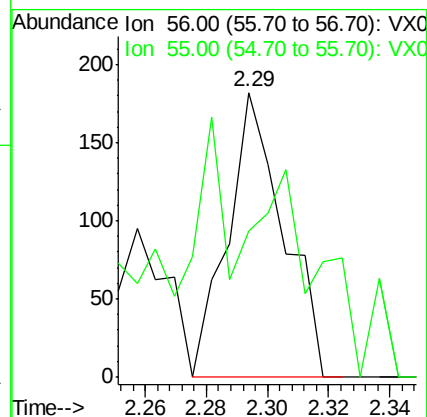
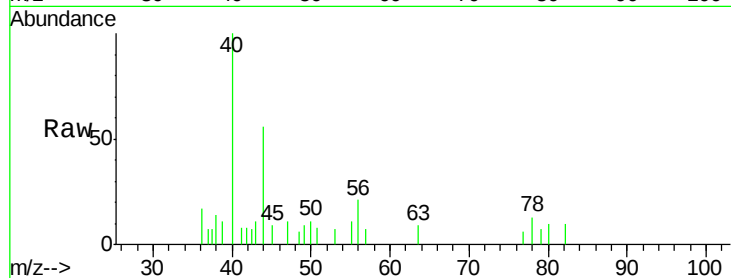
VX0430WBL01

Tot Ion: 56 Resp: 227

Ion Ratio Lower Upper

56 100

55 92.1 56.6 85.0#



#16

Acetone

Concen: 0.360 ug/l

RT: 2.45 min Scan# 212

Delta R.T. 0.00 min

Lab File: VX009235.D

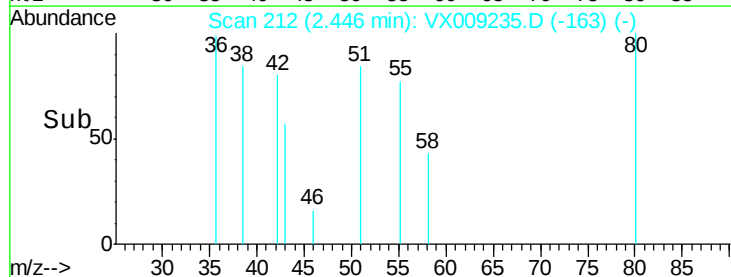
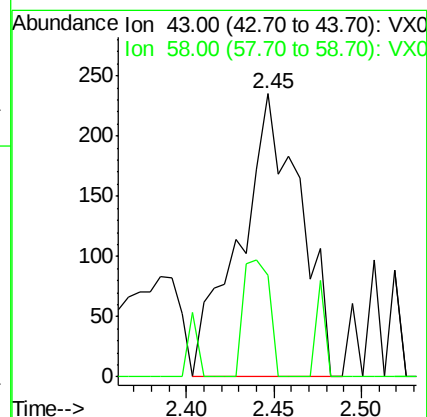
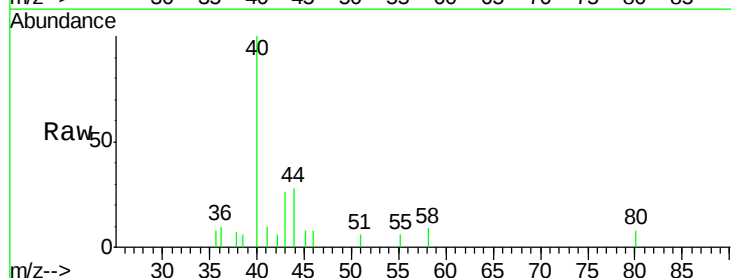
Acq: 30 Apr 2019 10:57

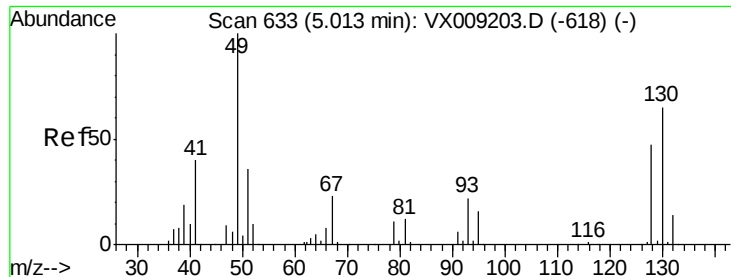
Tgt Ion: 43 Resp: 564

Ion Ratio Lower Upper

43 100

58 35.7 24.9 37.3





#28

Bromochloromethane

Concen: Below Cal

RT: 5.01 min Scan# 632

Delta R.T. -0.01 min

Lab File: VX009235.D

Acq: 30 Apr 2019 10:57

Instrument :

MSVOA_X

ClientSampleId :

VX0430WBL01

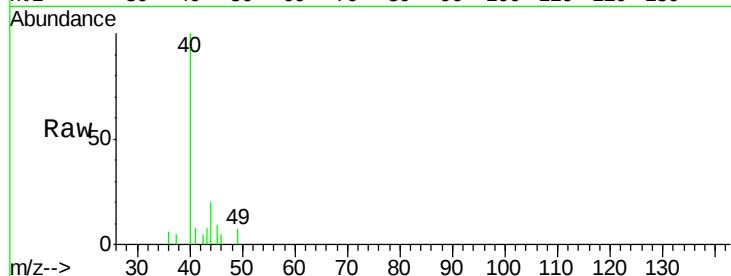
Tot Ion: 49 Resp: 27

Ion Ratio Lower Upper

49 100

129 0.0 0.0 3.8

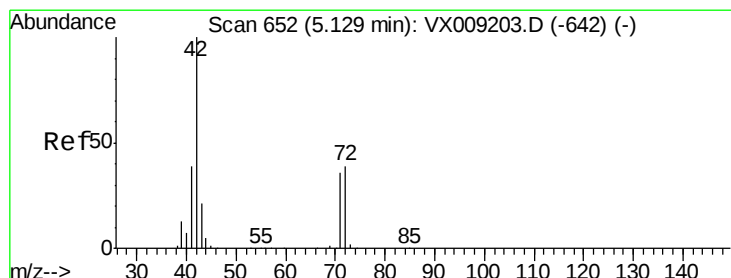
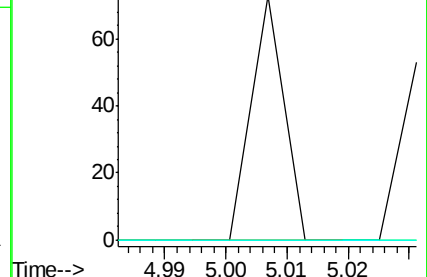
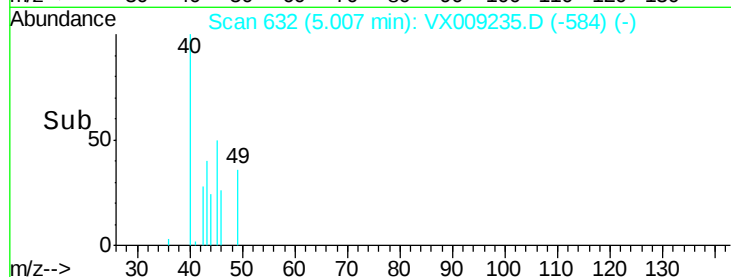
130 0.0 51.2 76.8#



Abundance Ion 48.90 (48.60 to 49.60): VX0

Ion 128.80 (128.50 to 129.50): VX0

Ion 129.80 (129.50 to 130.50): VX0



#29

Tetrahydrofuran

Concen: 0.258 ug/l

RT: 5.14 min Scan# 654

Delta R.T. 0.01 min

Lab File: VX009235.D

Acq: 30 Apr 2019 10:57

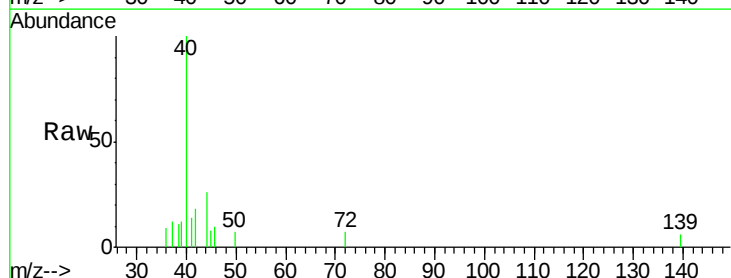
Tgt Ion: 42 Resp: 404

Ion Ratio Lower Upper

42 100

72 35.1 30.4 45.6

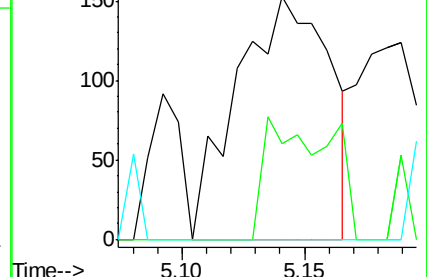
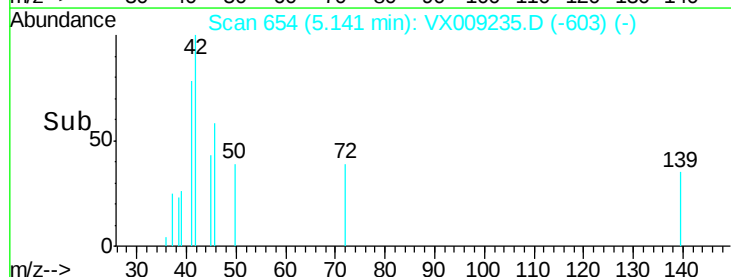
71 0.0 28.6 43.0#

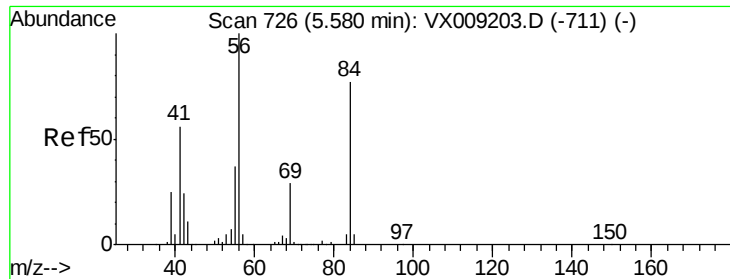


Abundance Ion 42.00 (41.70 to 42.70): VX0

Ion 72.00 (71.70 to 72.70): VX0

Ion 71.00 (70.70 to 71.70): VX0

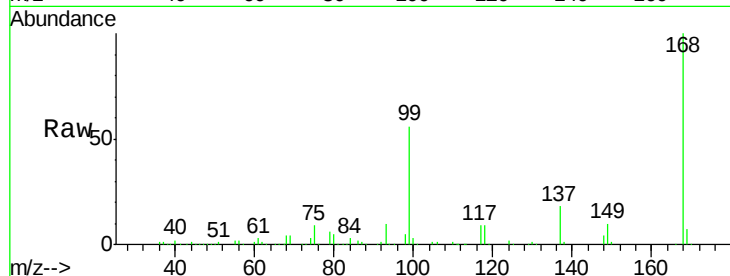




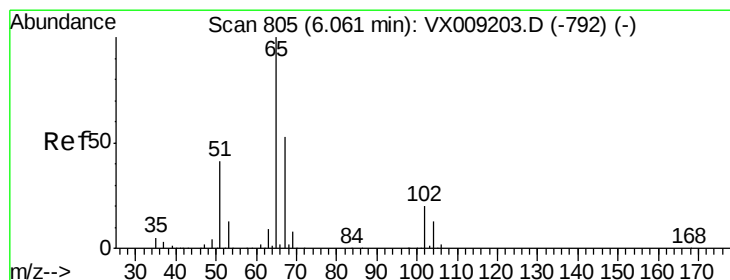
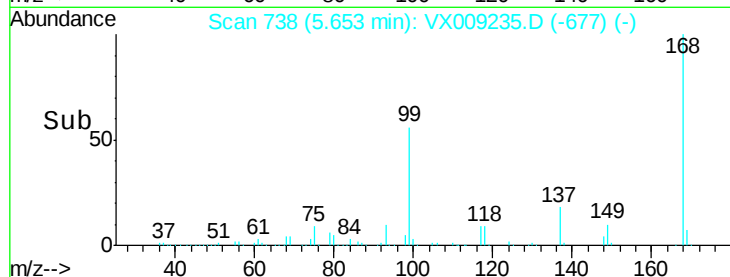
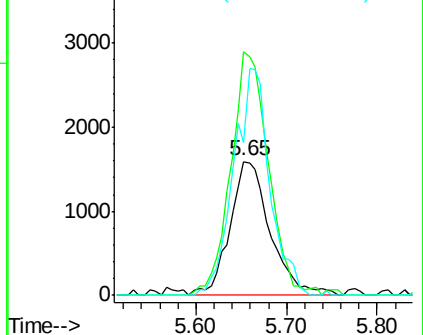
#31
Cyclohexane
Concen: 1.142 ug/l
RT: 5.65 min Scan# 738
Delta R.T. 0.07 min
Lab File: VX009235.D
Acq: 30 Apr 2019 10:57

Instrument :
MSVOA_X
ClientSampleId :
VX0430WBL01

Tot Ion: 56 Resp: 4931
Ion Ratio Lower Upper
56 100
69 181.5 23.4 35.0#
84 113.7 61.9 92.9#

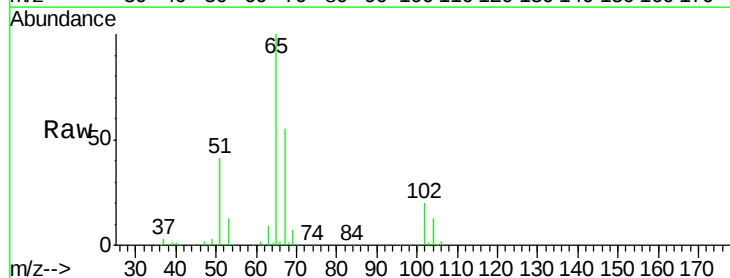


Abundance Ion 56.00 (55.70 to 56.70): VX0
Ion 69.00 (68.70 to 69.70): VX0
Ion 84.00 (83.70 to 84.70): VX0

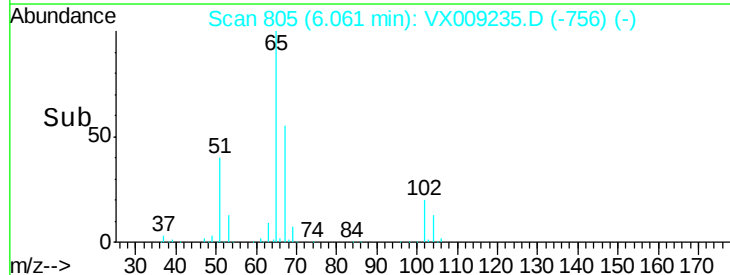
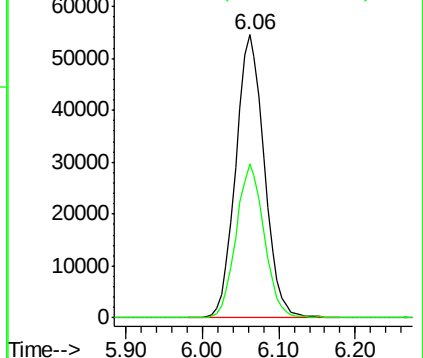


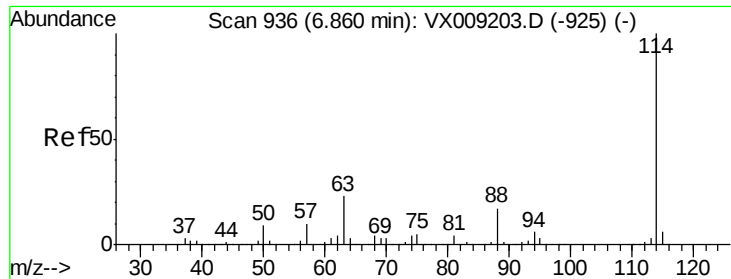
#33
1,2-Dichloroethane-d4
Concen: 48.301 ug/l
RT: 6.06 min Scan# 805
Delta R.T. 0.00 min
Lab File: VX009235.D
Acq: 30 Apr 2019 10:57

Tgt Ion: 65 Resp: 141105
Ion Ratio Lower Upper
65 100
67 53.7 0.0 106.6



Abundance Ion 64.90 (64.60 to 65.60): VX0
Ion 66.90 (66.60 to 67.60): VX0

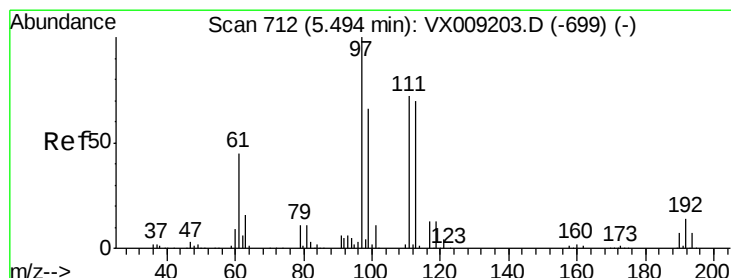
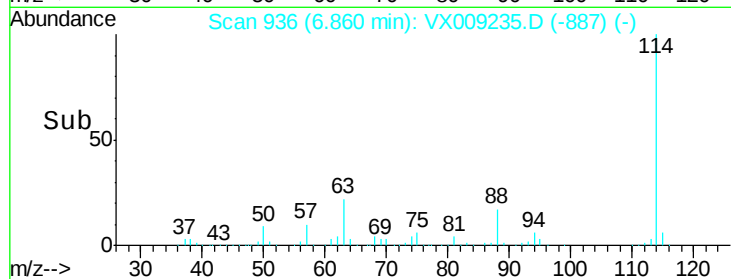
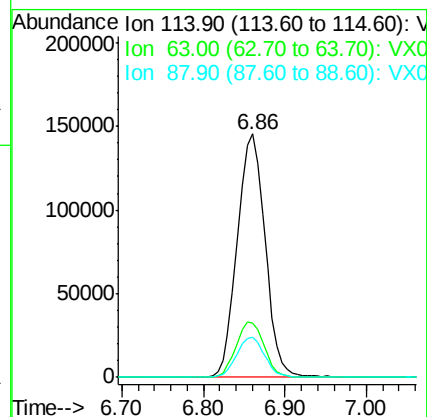
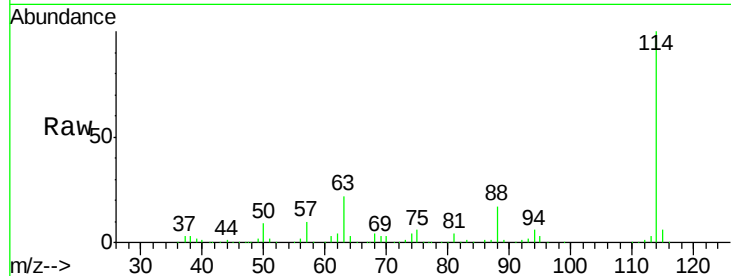




#34
 1,4-Difluorobenzene
 Concen: 50.000 ug/l
 RT: 6.86 min Scan# 936
 Delta R.T. 0.00 min
 Lab File: VX009235.D
 Acq: 30 Apr 2019 10:57

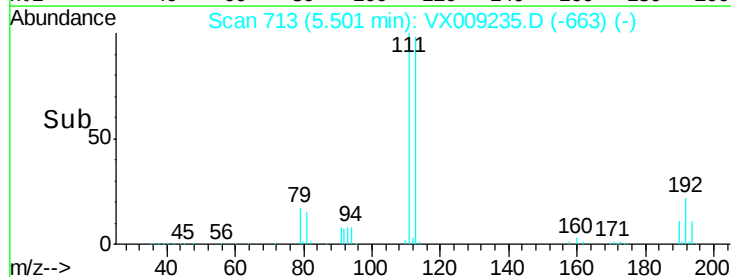
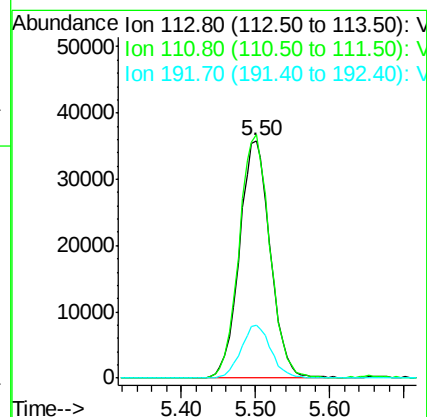
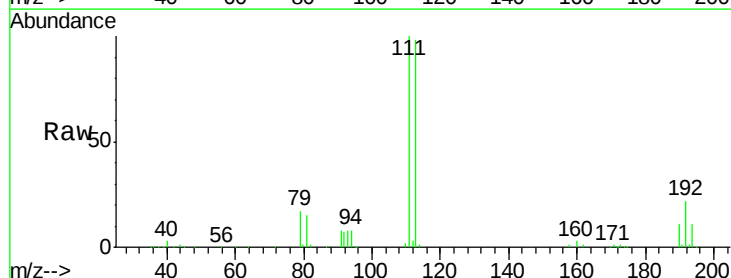
Instrument :
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 ClientSampleId :
 VX0430WBL01

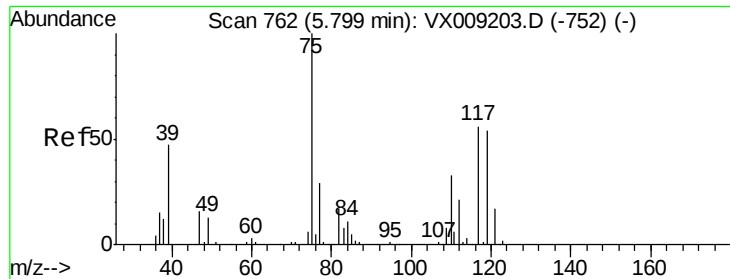
Tot Ion	Ratio	Lower	Upper
114	100		
63	22.5	0.0	45.6
88	16.5	0.0	33.2



#35
 Dibromofluoromethane
 Concen: 48.098 ug/l
 RT: 5.50 min Scan# 713
 Delta R.T. 0.01 min
 Lab File: VX009235.D
 Acq: 30 Apr 2019 10:57

Tgt Ion	Ratio	Lower	Upper
113	100		
111	102.6	82.8	124.2
192	21.8	17.0	25.6

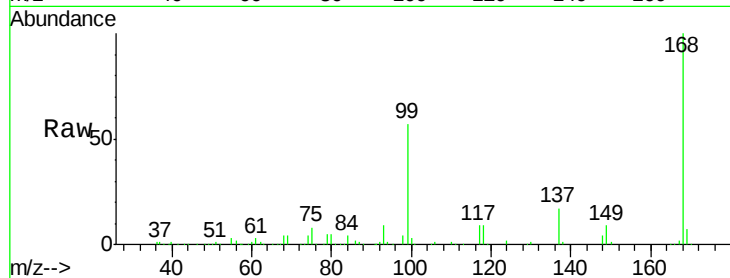




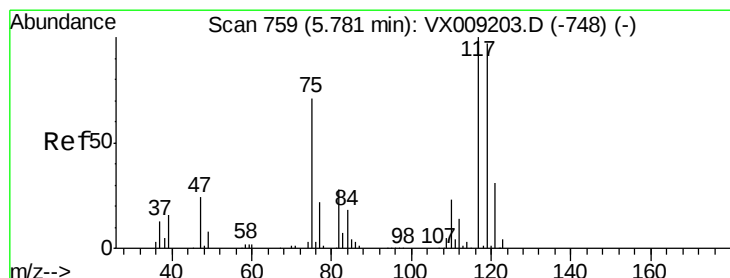
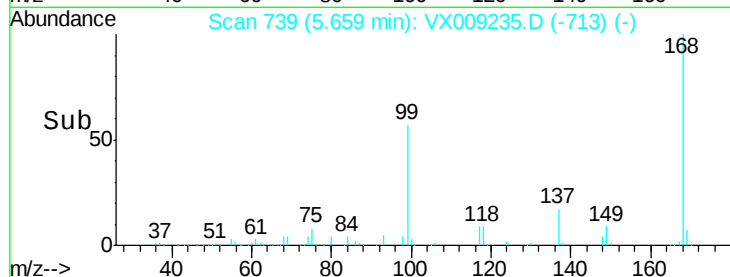
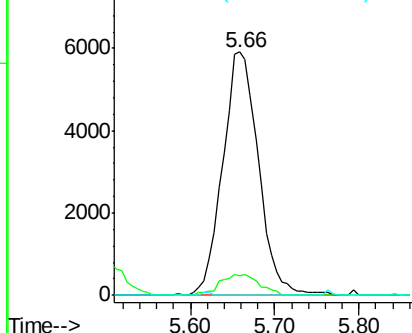
#36
 1,1-Dichloropropene
 Concen: 5.358 ug/l
 RT: 5.66 min Scan# 739
 Delta R.T. -0.14 min
 Lab File: VX009235.D
 Acq: 30 Apr 2019 10:57

Instrument :
 MSVOA_X
 ClientSampleId :
 VX0430WBL01

Tot Ion: 75 Resp: 17118
 Ion Ratio Lower Upper
 75 100
 110 9.6 16.9 50.6#
 77 0.0 24.8 37.2#

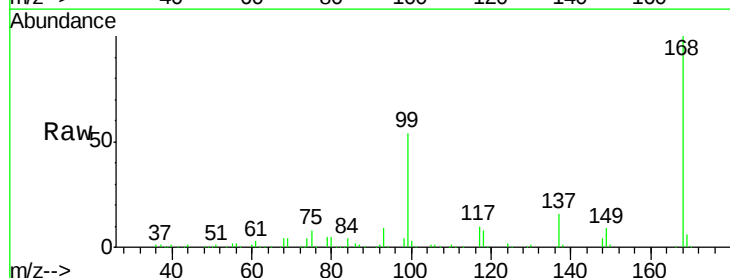


Abundance Ion 74.90 (74.60 to 75.60): VX0
 Ion 109.90 (109.60 to 110.60): V
 Ion 76.90 (76.60 to 77.60): VX0

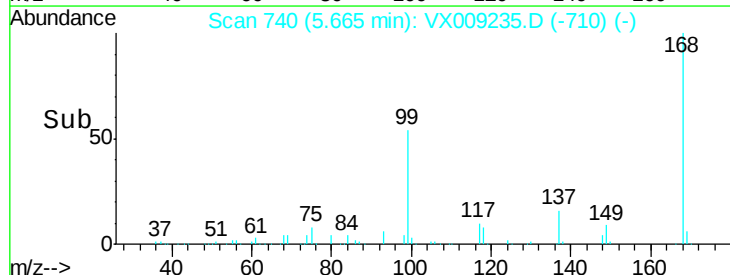
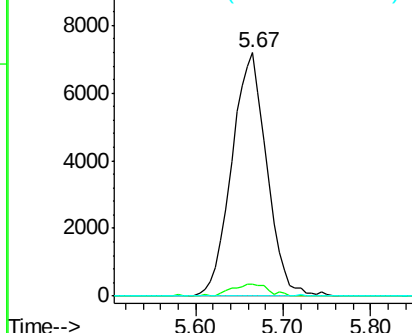


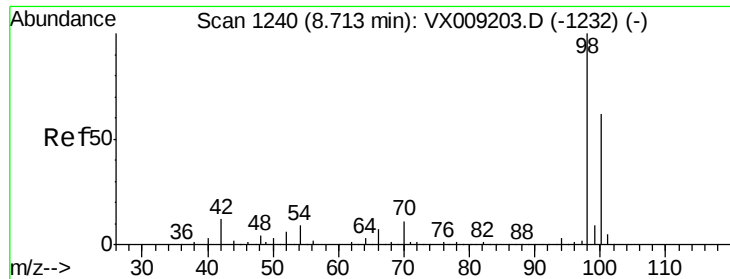
#38
 Carbon Tetrachloride
 Concen: 6.895 ug/l
 RT: 5.67 min Scan# 740
 Delta R.T. -0.12 min
 Lab File: VX009235.D
 Acq: 30 Apr 2019 10:57

Tgt Ion:117 Resp: 20016
 Ion Ratio Lower Upper
 117 100
 119 4.9 77.5 116.3#
 121 0.0 24.7 37.1#



Abundance Ion 116.80 (116.50 to 117.50): V
 Ion 118.80 (118.50 to 119.50): V
 Ion 120.80 (120.50 to 121.50): V





#50

Toluene-d8

Concen: 48.983 ug/l

RT: 8.71 min Scan# 1240

Delta R.T. 0.00 min

Lab File: VX009235.D

Acq: 30 Apr 2019 10:57

Instrument :

MSVOA_X

ClientSampleId :

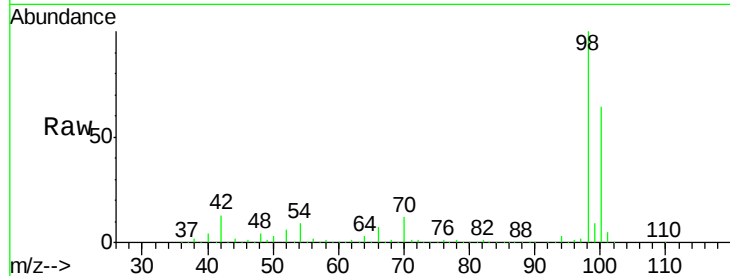
VX0430WBL01

Tot Ion: 98 Resp: 427422

Ion Ratio Lower Upper

98 100

100 64.2 51.2 76.8



Abundance Ion 98.00 (97.70 to 98.70): VX0

Ion 100.00 (99.70 to 100.70): V

8.71

250000

200000

150000

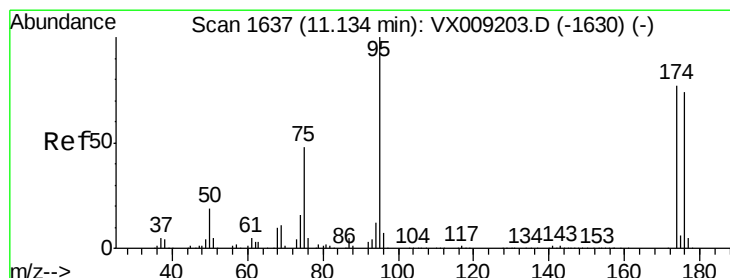
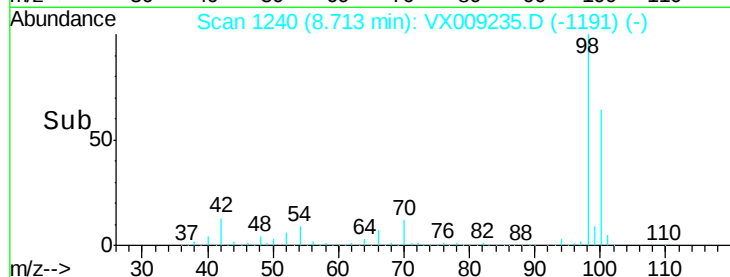
100000

50000

0

Time-->

8.60 8.70 8.80



#62

4-Bromofluorobenzene

Concen: 46.314 ug/l

RT: 11.13 min Scan# 1637

Delta R.T. 0.00 min

Lab File: VX009235.D

Acq: 30 Apr 2019 10:57

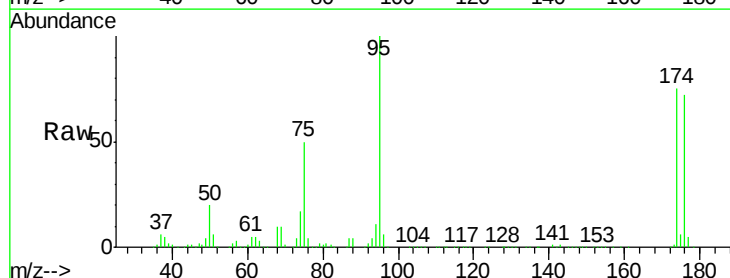
Tgt Ion: 95 Resp: 146848

Ion Ratio Lower Upper

95 100

174 80.3 0.0 161.6

176 77.3 0.0 159.2



Abundance Ion 94.90 (94.60 to 95.60): VX0

Ion 173.80 (173.50 to 174.50): V

Ion 175.80 (175.50 to 176.50): V

11.13

150000

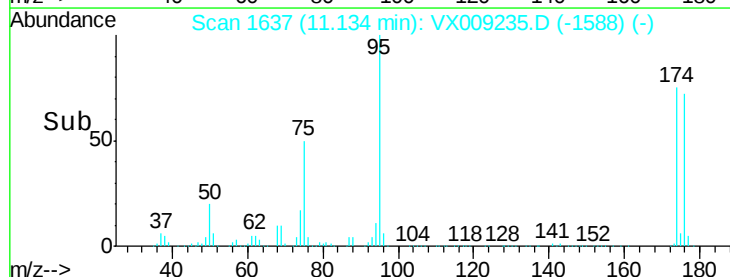
100000

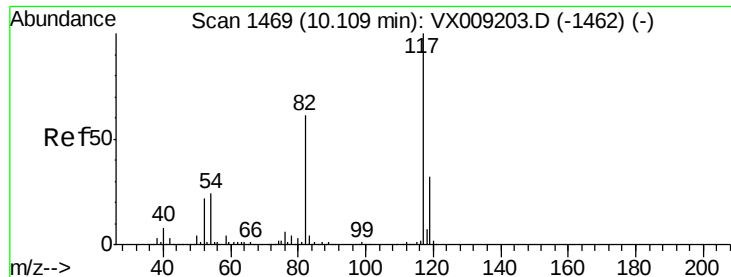
50000

0

Time-->

11.10 11.20





#63

Chlorobenzene-d5

Concen: 50.000 ug/l

RT: 10.11 min Scan# 1469

Delta R.T. 0.00 min

Lab File: VX009235.D

Acq: 30 Apr 2019 10:57

Instrument :

MSVOA_X

ClientSampleId :

VX0430WBL01

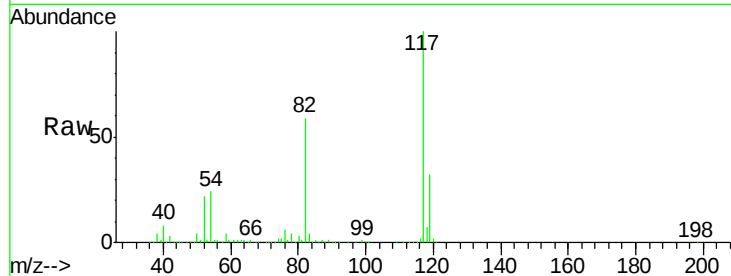
Tot Ion:117 Resp: 304618

Ion Ratio Lower Upper

117 100

82 59.0 48.8 73.2

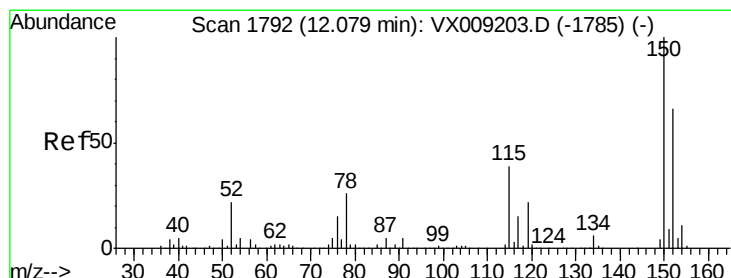
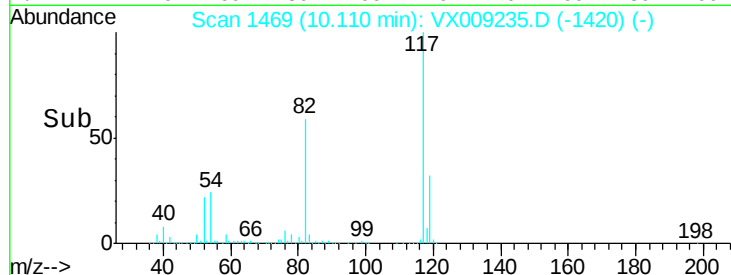
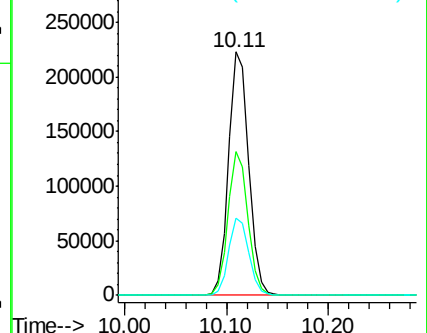
119 31.5 25.8 38.6



Abundance Ion 116.90 (116.60 to 117.60): V

Ion 82.00 (81.70 to 82.70): VX0

Ion 118.90 (118.60 to 119.60): V



#72

1,4-Dichlorobenzene-d4

Concen: 50.000 ug/l

RT: 12.08 min Scan# 1792

Delta R.T. 0.00 min

Lab File: VX009235.D

Acq: 30 Apr 2019 10:57

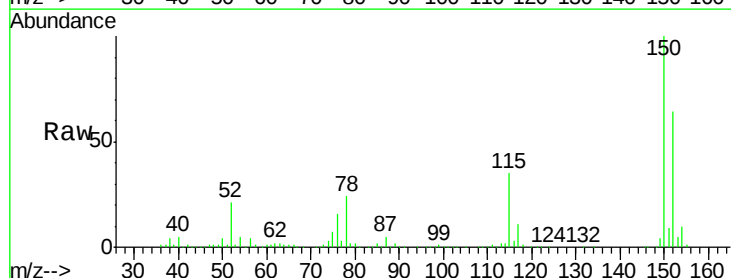
Tgt Ion:152 Resp: 132421

Ion Ratio Lower Upper

152 100

115 58.2 41.2 123.6

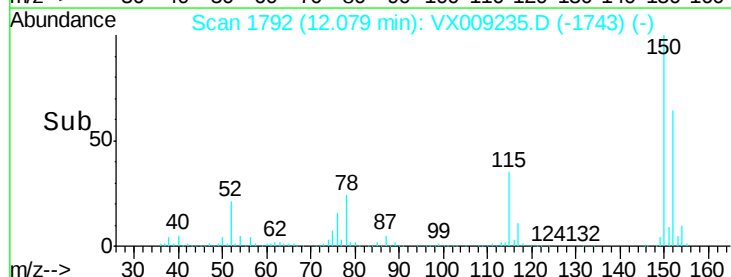
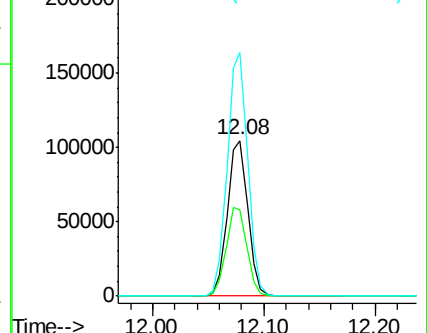
150 157.0 0.0 346.4

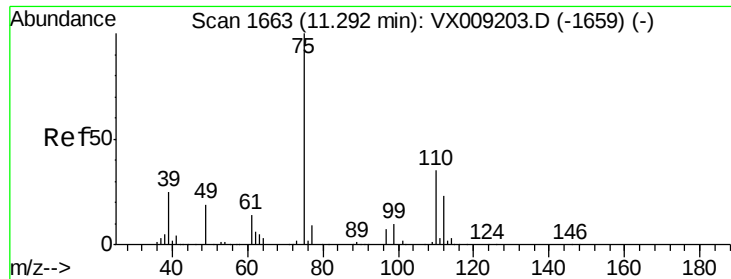


Abundance Ion 151.90 (151.60 to 152.60): V

Ion 114.90 (114.60 to 115.60): V

Ion 149.90 (149.60 to 150.60): V





#76

1,2,3-Trichloropropane

Concen: 24.482 ug/l

RT: 11.13 min Scan# 1637

Delta R.T. -0.16 min

Lab File: VX009235.D

Acq: 30 Apr 2019 10:57

Instrument :

MSVOA_X

ClientSampleId :

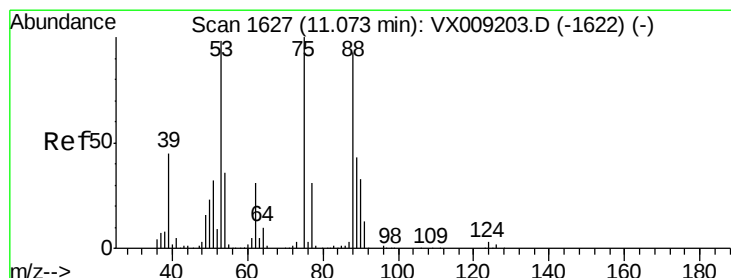
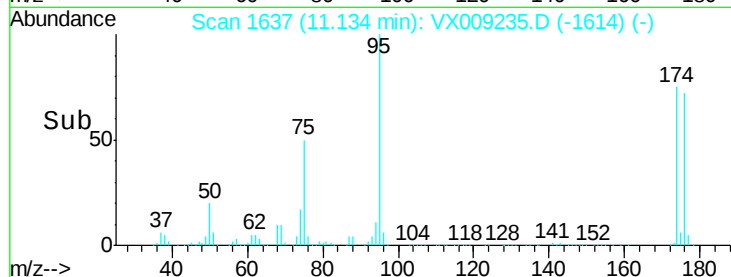
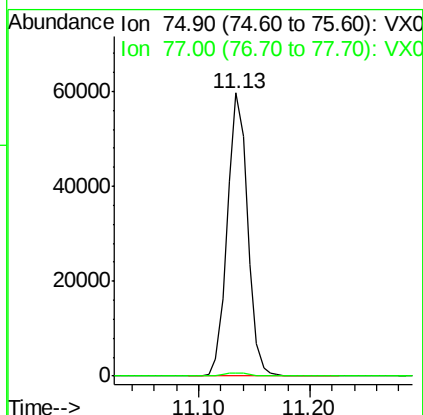
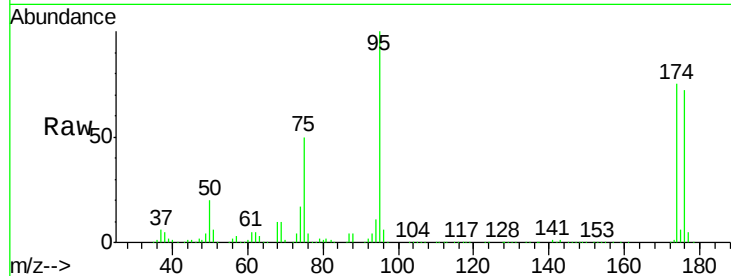
VX0430WBL01

Tot Ion: 75 Resp: 75200

Ion Ratio Lower Upper

75 100

77 1.3 22.1 66.1#



#81

trans-1,4-Dichloro-2-butene

Concen: 62.640 ug/l

RT: 11.13 min Scan# 1637

Delta R.T. 0.06 min

Lab File: VX009235.D

Acq: 30 Apr 2019 10:57

Tgt Ion: 75 Resp: 75200

Ion Ratio Lower Upper

75 100

53 0.1 79.0 118.6#

89 0.0 34.7 52.1#

