

Data Path : Z:\VOASRV\HPCHEM1\MSVOA X\DATA\VX050719\
 Data File : VX009370.D
 Acq On : 07 May 2019 11:26
 Operator : JC/SP
 Sample : VX0507WBL02
 Misc : 5.0mL/MSVOA X/WATER
 ALS Vial : 5 Sample Multiplier: 1

Instrument :
 MSVOA_X
 ClientSampleId :
 VX0507WBL02

Quant Time: May 08 02:14:43 2019
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_X\METHOD\82X042919W.M
 Quant Title : SW846 8260
 QLast Update : Tue May 07 08:24:47 2019
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Pentafluorobenzene	5.66	168	187201	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	6.86	114	299624	50.00	ug/l	0.00
63) Chlorobenzene-d5	10.11	117	259885	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	12.08	152	107498	50.00	ug/l	0.00

System Monitoring Compounds

33) 1,2-Dichloroethane-d4	6.06	65	123713	48.41	ug/l	0.00
Spiked Amount	50.000		Recovery	=	96.82%	
35) Dibromofluoromethane	5.50	113	92037	48.86	ug/l	0.00
Spiked Amount	50.000		Recovery	=	97.72%	
50) Toluene-d8	8.71	98	374289	49.22	ug/l	0.00
Spiked Amount	50.000		Recovery	=	98.44%	
62) 4-Bromofluorobenzene	11.13	95	121346	43.92	ug/l	0.00
Spiked Amount	50.000		Recovery	=	87.84%	

Target Compounds

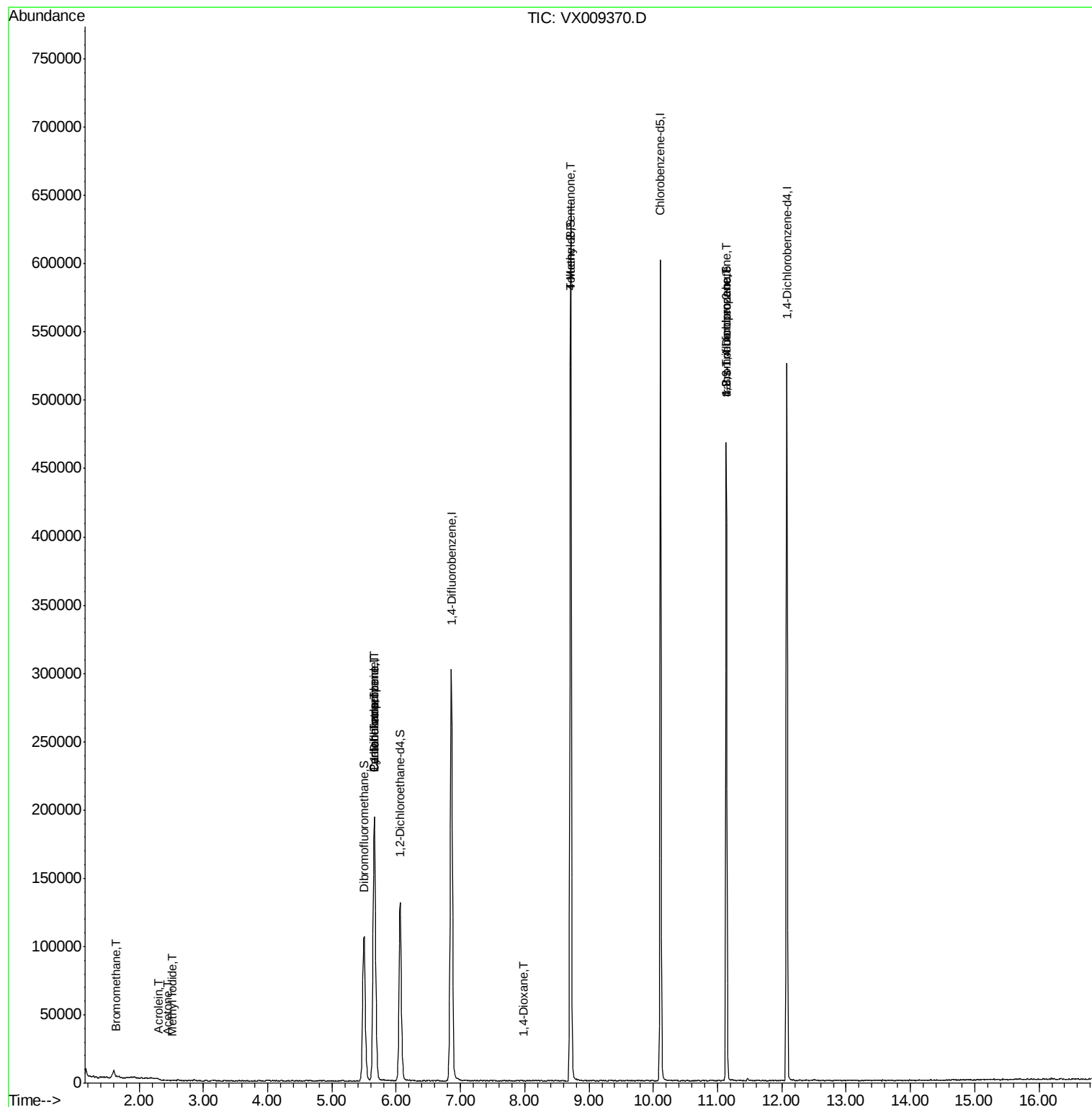
					Qvalue	
5) Bromomethane	1.65	94	626	0.454	ug/l	99
10) Methyl Iodide	2.51	142	155	4.663	ug/l #	78
13) Acrolein	2.29	56	205	0.383	ug/l	92
16) Acetone	2.43	43	407	0.297	ug/l	95
28) Bromochloromethane	5.00	49	19	Below Cal	#	20
31) Cyclohexane	5.66	56	4138	1.095	ug/l #	1
36) 1,1-Dichloropropene	5.66	75	14181	5.093	ug/l #	52
38) Carbon Tetrachloride	5.66	117	17516	6.924	ug/l #	16
49) 1,4-Dioxane	7.98	88	38	0.609	ug/l #	1
51) 4-Methyl-2-Pentanone	8.71	43	2117	0.522	ug/l #	1
76) 1,2,3-Trichloropropane	11.13	75	61212	24.548	ug/l #	34
81) trans-1,4-Dichloro-2-buten	11.13	75	61212	62.809	ug/l #	10

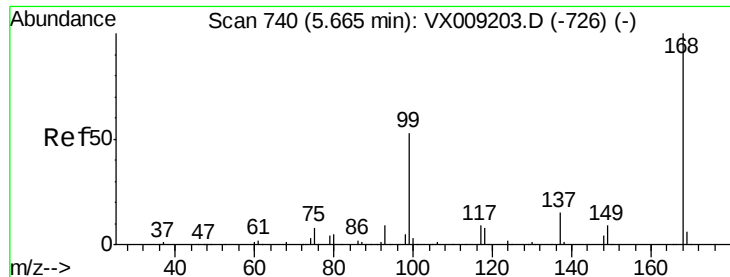
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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Quant Time: May 08 02:14:43 2019
Quant Method : Z:\V0ASRV\HPCHEM1\MSVOA_X\METHOD\82X042919W.M
Quant Title : SW846 8260
QLast Update : Tue May 07 08:24:47 2019
Response via : Initial Calibration





#1

Pentafluorobenzene

Concen: 50.000 ug/l

RT: 5.66 min Scan# 739

Delta R.T. -0.01 min

Lab File: VX009370.D

Acq: 07 May 2019 11:26

Instrument :

MSVOA_X

ClientSampleId :

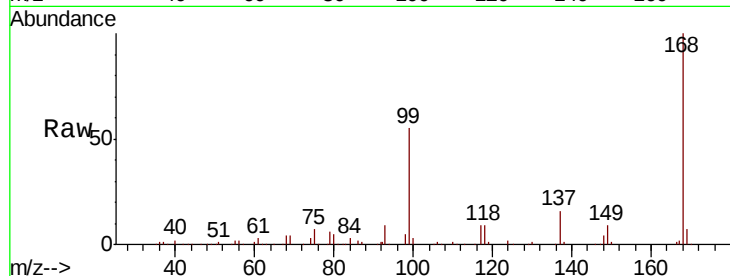
VX0507WBL02

Tot Ion:168 Resp: 187201

Ion Ratio Lower Upper

168 100

99 55.1 42.3 63.5



Abundance Ion 167.90 (167.60 to 168.60): V

Ion 98.90 (98.60 to 99.60): VX0

5.66

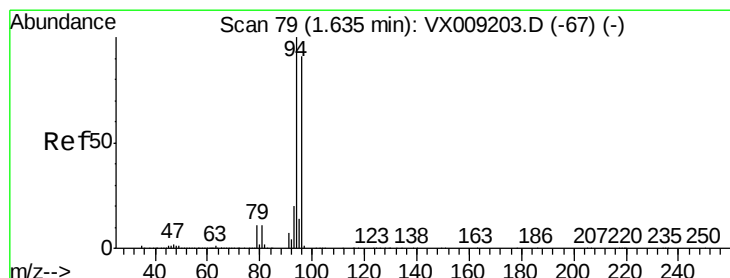
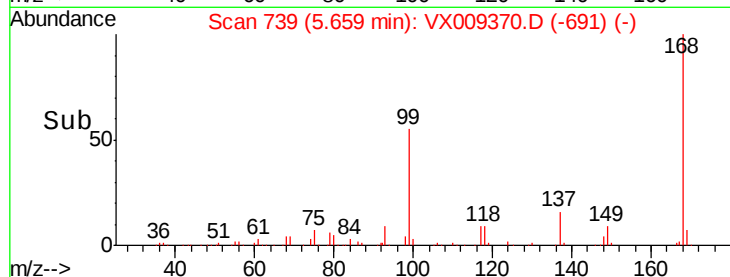
60000

40000

20000

0

Time--> 5.50 5.60 5.70 5.80



#5

Bromomethane

Concen: 0.454 ug/l

RT: 1.65 min Scan# 81

Delta R.T. 0.01 min

Lab File: VX009370.D

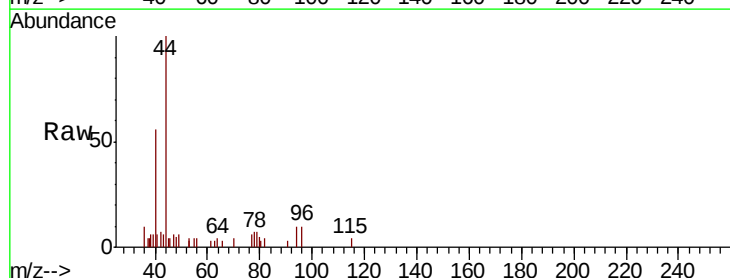
Acq: 07 May 2019 11:26

Tgt Ion: 94 Resp: 626

Ion Ratio Lower Upper

94 100

96 90.6 73.0 109.6



Abundance Ion 93.90 (93.60 to 94.60): VX0

Ion 95.90 (95.60 to 96.60): VX0

200

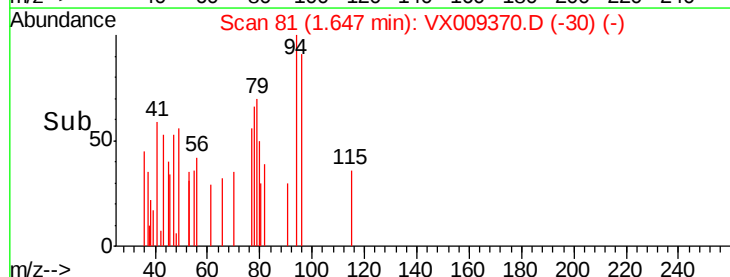
150

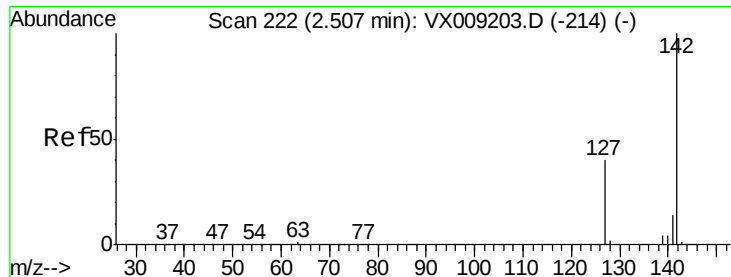
100

50

0

Time--> 1.50 1.60 1.70

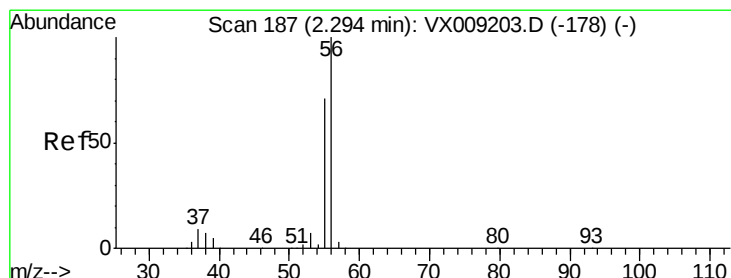
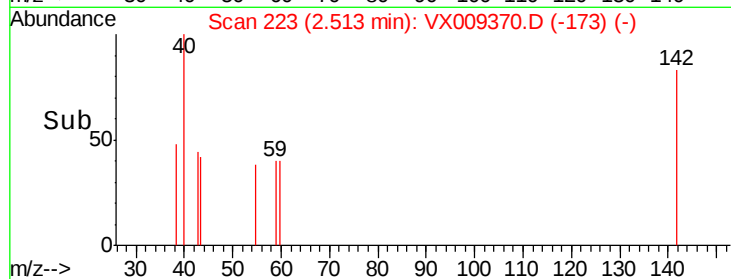
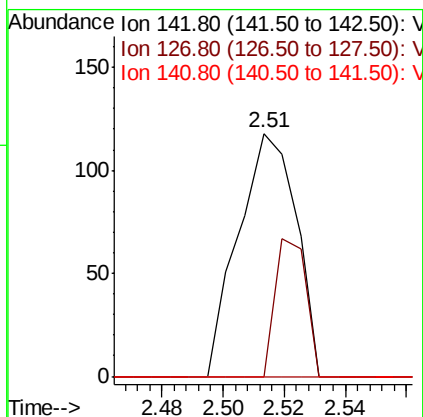
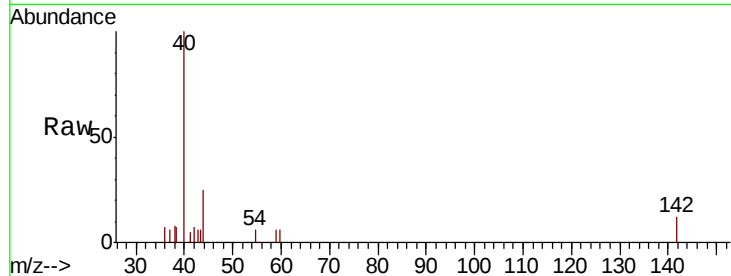




#10
Methvl Iodide
Concen: 4.663 ug/l
RT: 2.51 min Scan# 223
Delta R.T. 0.01 min
Lab File: VX009370.D
Acq: 07 May 2019 11:26

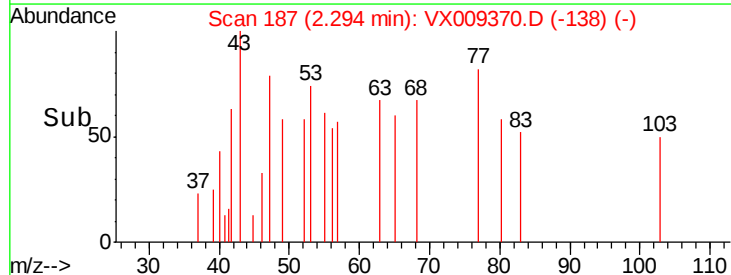
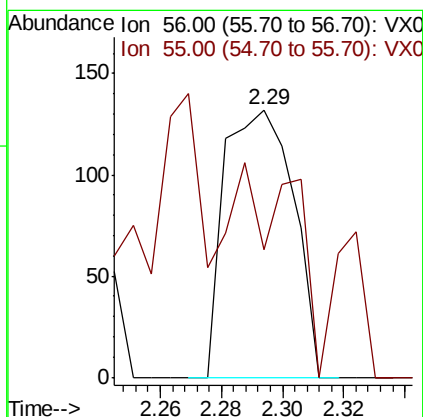
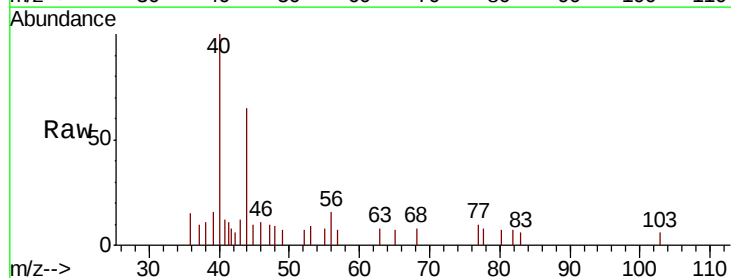
Instrument :
MSVOA_X
ClientSampleId :
VX0507WBL02

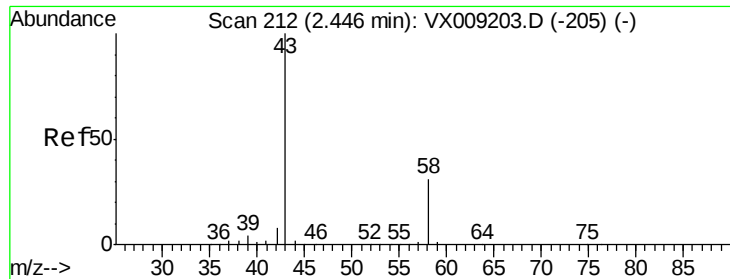
Tot Ion:142 Resp: 155
Ion Ratio Lower Upper
142 100
127 30.3 32.7 49.1#
141 0.0 11.5 17.3#



#13
Acrolein
Concen: 0.383 ug/l
RT: 2.29 min Scan# 187
Delta R.T. -0.00 min
Lab File: VX009370.D
Acq: 07 May 2019 11:26

Tgt Ion: 56 Resp: 205
Ion Ratio Lower Upper
56 100
55 64.4 56.6 85.0





#16

Acetone

Concen: 0.297 ug/l

RT: 2.43 min Scan# 210

Delta R.T. -0.01 min

Lab File: VX009370.D

Acq: 07 May 2019 11:26

Instrument :

MSVOA_X

ClientSampleId :

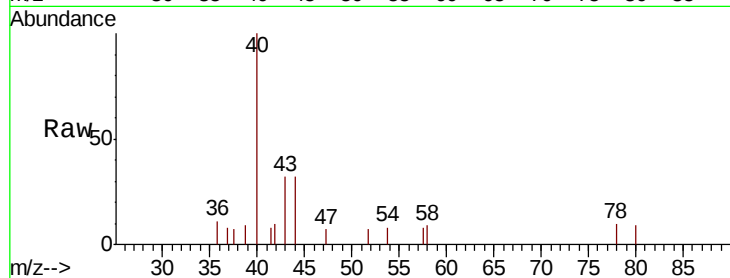
VX0507WBL02

Tot Ion: 43 Resp: 407

Ion Ratio Lower Upper

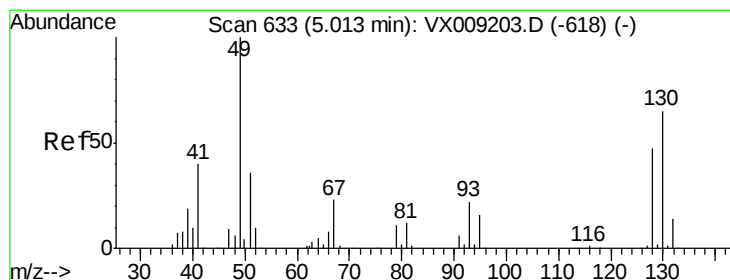
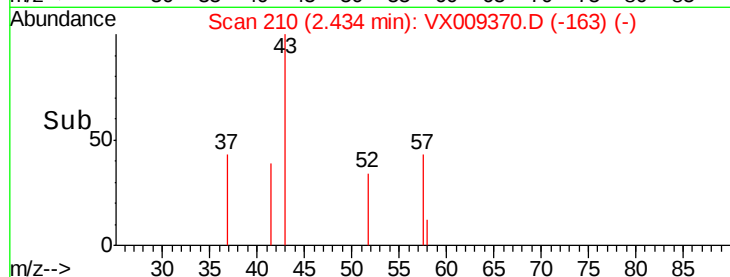
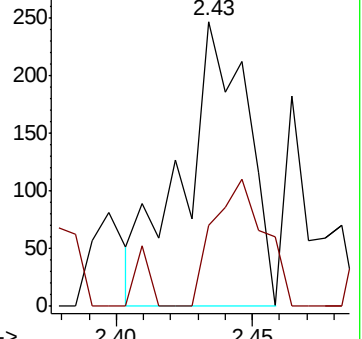
43 100

58 28.3 24.9 37.3



Abundance Ion 43.00 (42.70 to 43.70): VX0

Ion 58.00 (57.70 to 58.70): VX0



#28

Bromochloromethane

Concen: Below Cal

RT: 5.00 min Scan# 631

Delta R.T. -0.01 min

Lab File: VX009370.D

Acq: 07 May 2019 11:26

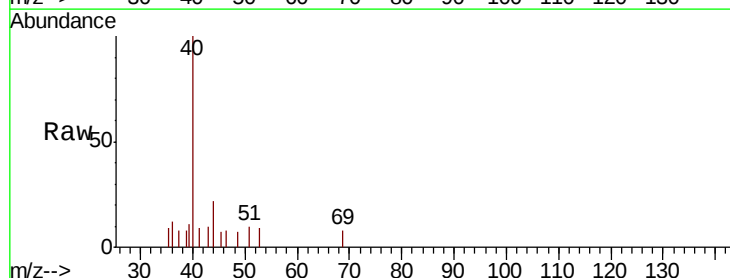
Tgt Ion: 49 Resp: 19

Ion Ratio Lower Upper

49 100

129 0.0 0.0 3.8

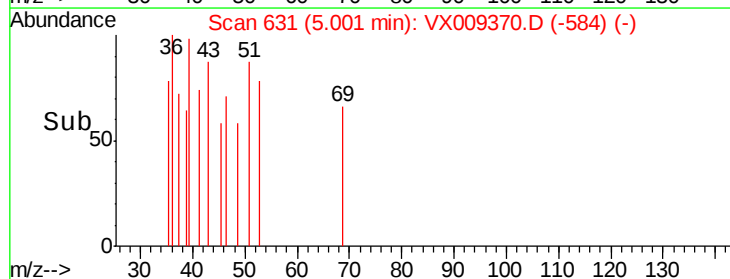
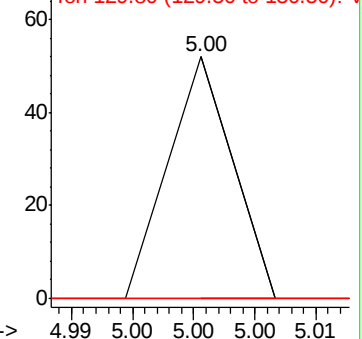
130 0.0 51.2 76.8#

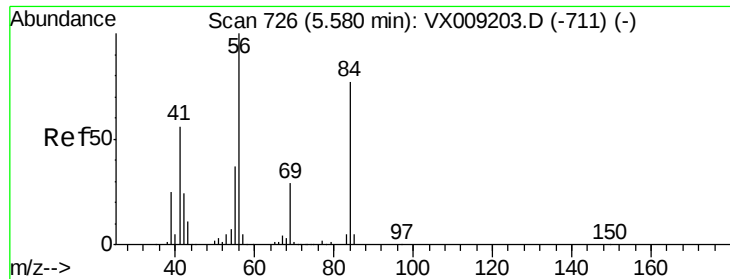


Abundance Ion 48.90 (48.60 to 49.60): VX0

Ion 128.80 (128.50 to 129.50): V

Ion 129.80 (129.50 to 130.50): V

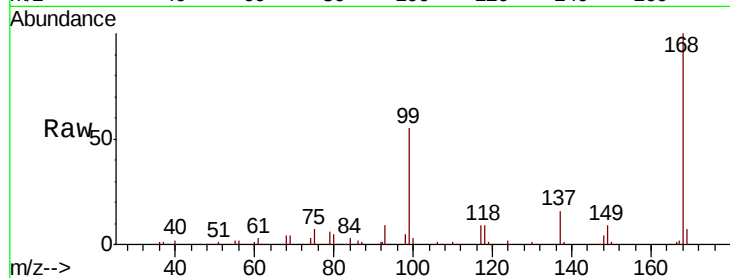




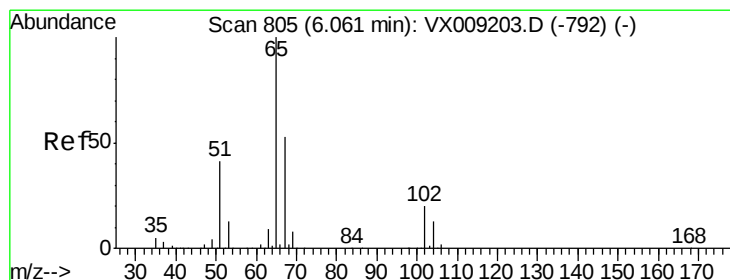
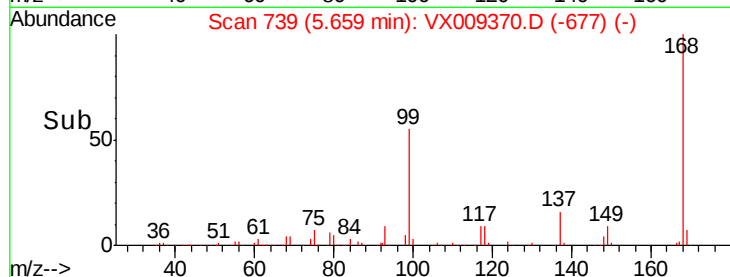
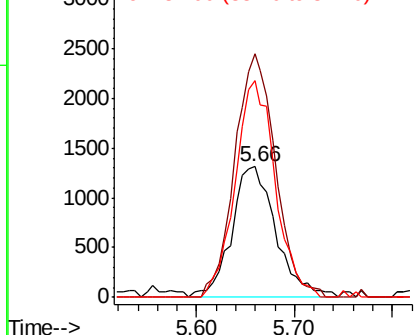
#31
Cyclohexane
Concen: 1.095 ug/l
RT: 5.66 min Scan# 739
Delta R.T. 0.08 min
Lab File: VX009370.D
Acq: 07 May 2019 11:26

Instrument :
MSVOA_X
ClientSampleId :
VX0507WBL02

Tot Ion: 56 Resp: 4138
Ion Ratio Lower Upper
56 100
69 186.1 23.4 35.0#
84 166.0 61.9 92.9#

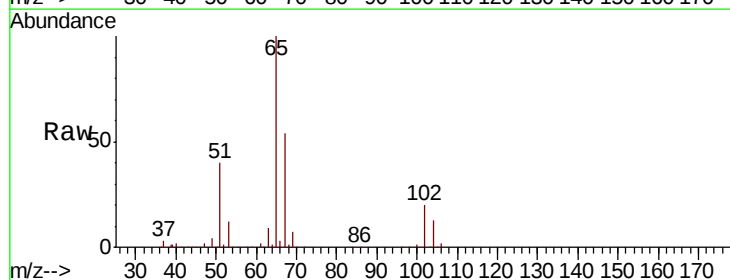


Abundance Ion 56.00 (55.70 to 56.70): VX0
Ion 69.00 (68.70 to 69.70): VX0
Ion 84.00 (83.70 to 84.70): VX0

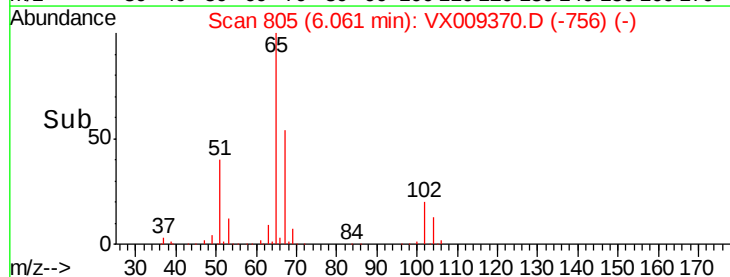
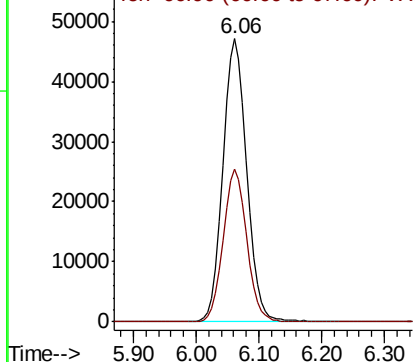


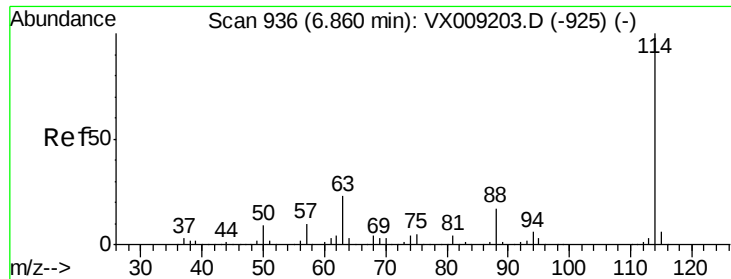
#33
1,2-Dichloroethane-d4
Concen: 48.410 ug/l
RT: 6.06 min Scan# 805
Delta R.T. -0.00 min
Lab File: VX009370.D
Acq: 07 May 2019 11:26

Tgt Ion: 65 Resp: 123713
Ion Ratio Lower Upper
65 100
67 53.5 0.0 106.6



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

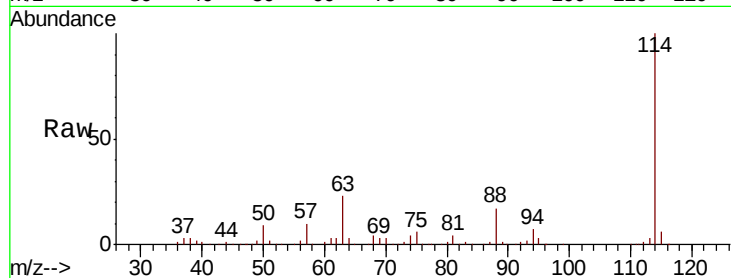




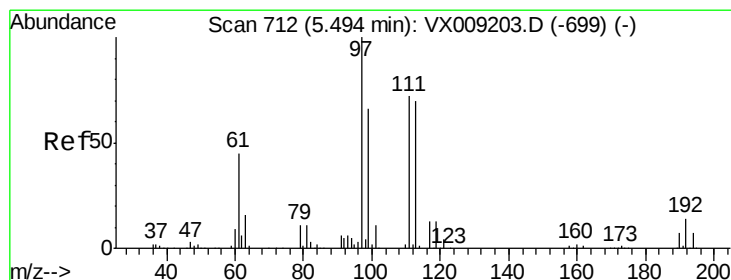
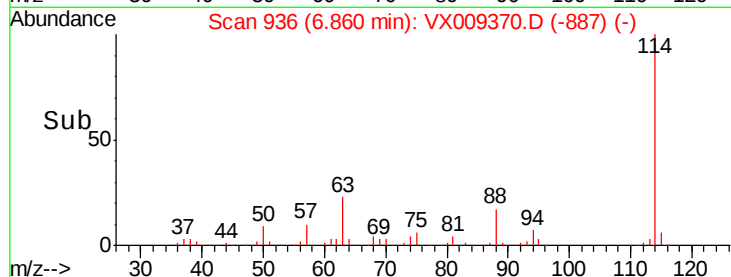
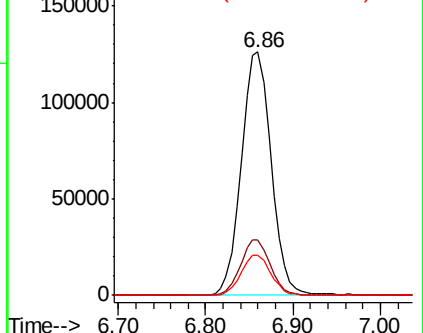
#34
 1,4-Difluorobenzene
 Concen: 50.000 ug/l
 RT: 6.86 min Scan# 936
 Delta R.T. -0.00 min
 Lab File: VX009370.D
 Acq: 07 May 2019 11:26

Instrument :
 MSVOA_X
 ClientSampleId :
 VX0507WBL02

Tot Ion:114 Resp: 299624
 Ion Ratio Lower Upper
 114 100
 63 22.6 0.0 45.6
 88 16.5 0.0 33.2

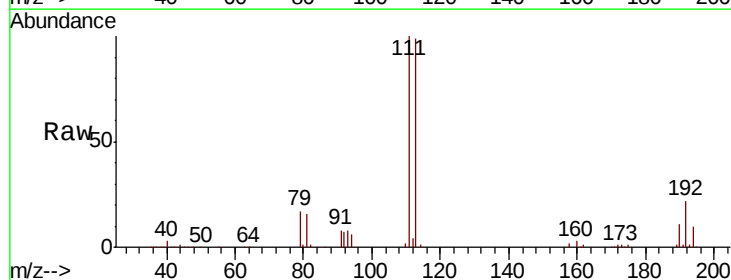


Abundance Ion 113.90 (113.60 to 114.60): V
 Ion 63.00 (62.70 to 63.70): VX0
 Ion 87.90 (87.60 to 88.60): VX0

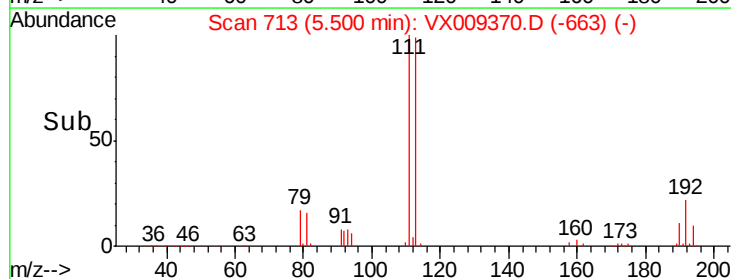
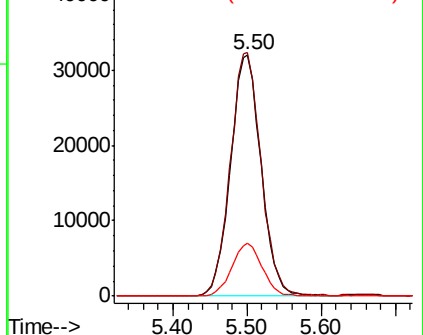


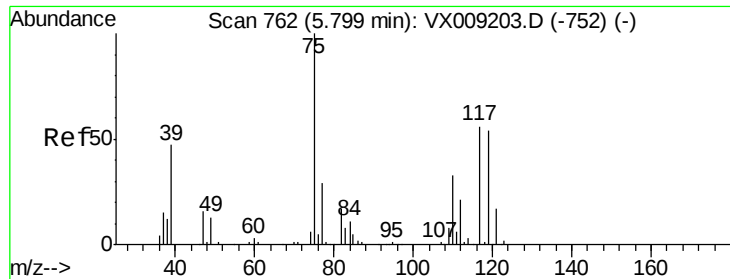
#35
 Dibromofluoromethane
 Concen: 48.863 ug/l
 RT: 5.50 min Scan# 713
 Delta R.T. 0.01 min
 Lab File: VX009370.D
 Acq: 07 May 2019 11:26

Tgt Ion:113 Resp: 92037
 Ion Ratio Lower Upper
 113 100
 111 101.3 82.8 124.2
 192 21.7 17.0 25.6



Abundance Ion 112.80 (112.50 to 113.50): V
 Ion 110.80 (110.50 to 111.50): V
 Ion 191.70 (191.40 to 192.40): V

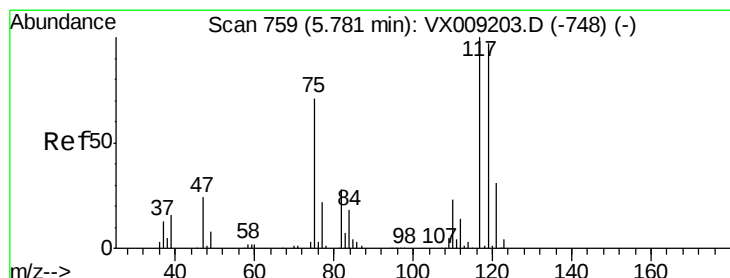
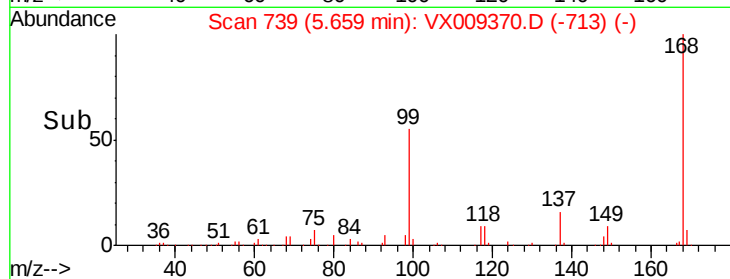
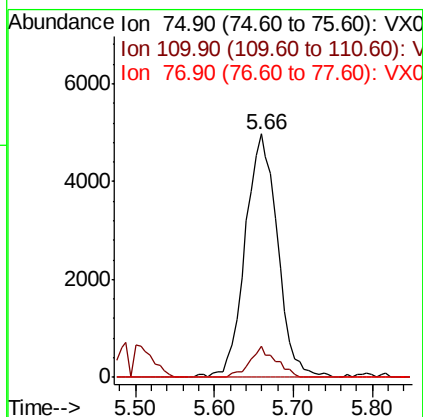
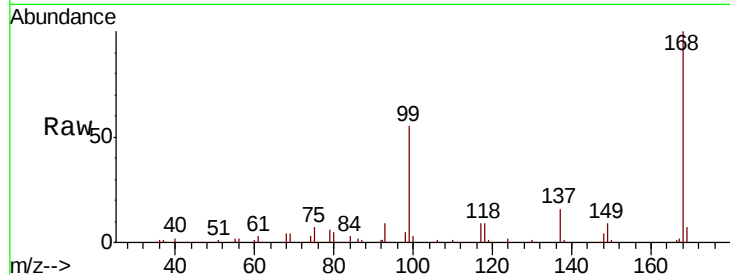




#36
 1,1-Dichloropropene
 Concen: 5.093 ug/l
 RT: 5.66 min Scan# 739
 Delta R.T. -0.14 min
 Lab File: VX009370.D
 Acq: 07 May 2019 11:26

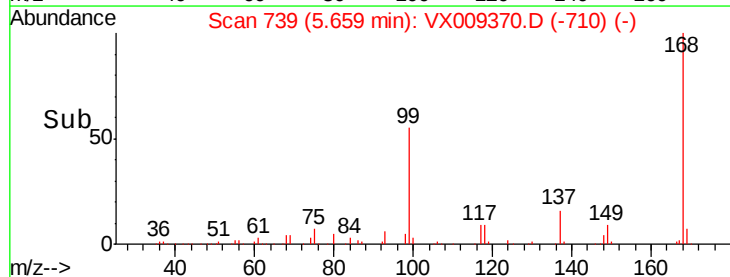
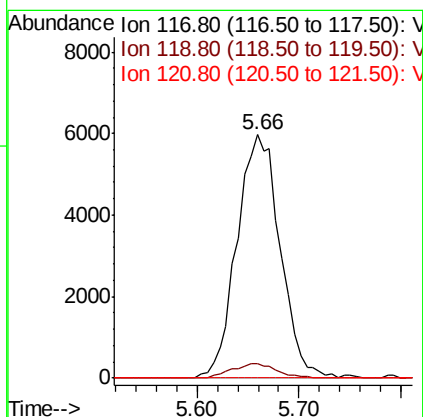
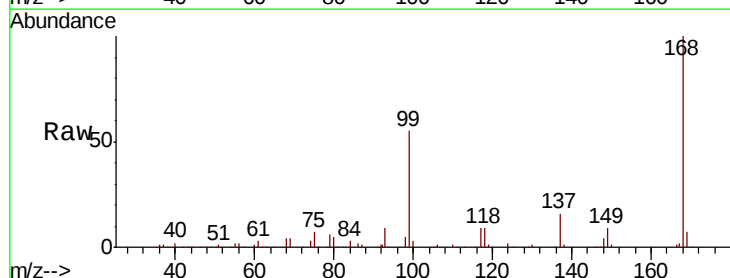
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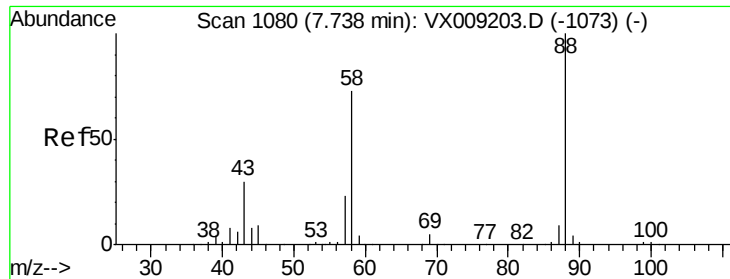
Tot Ion: 75 Resp: 14181
 Ion Ratio Lower Upper
 75 100
 110 10.3 16.9 50.6#
 77 0.0 24.8 37.2#



#38
 Carbon Tetrachloride
 Concen: 6.924 ug/l
 RT: 5.66 min Scan# 739
 Delta R.T. -0.12 min
 Lab File: VX009370.D
 Acq: 07 May 2019 11:26

Tgt Ion: 117 Resp: 17516
 Ion Ratio Lower Upper
 117 100
 119 5.8 77.5 116.3#
 121 0.0 24.7 37.1#





#49

1,4-Dioxane

Concen: 0.609 ug/l

RT: 7.98 min Scan# 1120

Delta R.T. 0.24 min

Lab File: VX009370.D

Acq: 07 May 2019 11:26

Instrument :

MSVOA_X

ClientSampleId :

VX0507WBL02

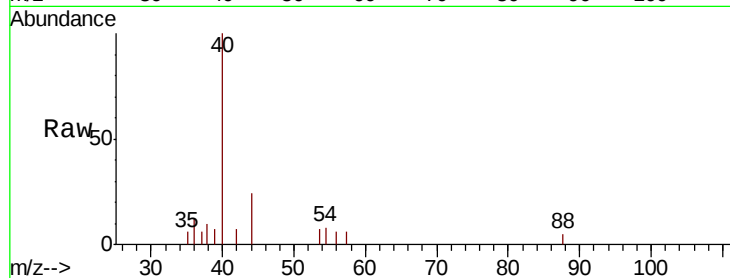
Tot Ion: 88 Resp: 38

Ion Ratio Lower Upper

88 100

43 234.2 28.6 42.8#

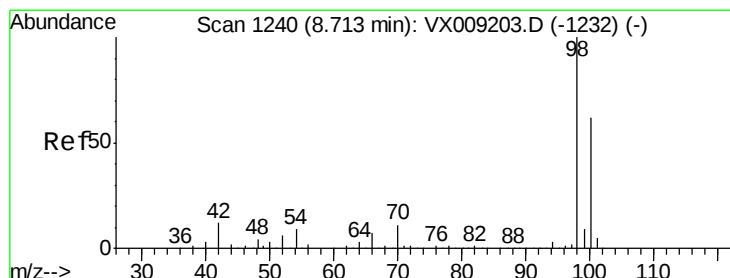
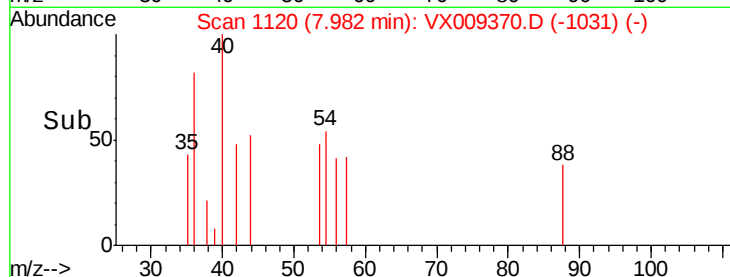
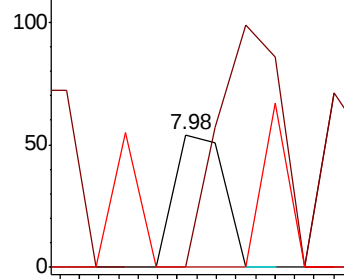
58 65.8 61.7 92.5



Abundance Ion 88.00 (87.70 to 88.70): VX0

Ion 43.00 (42.70 to 43.70): VX0

Ion 58.00 (57.70 to 58.70): VX0



#50

Toluene-d8

Concen: 49.220 ug/l

RT: 8.71 min Scan# 1240

Delta R.T. -0.00 min

Lab File: VX009370.D

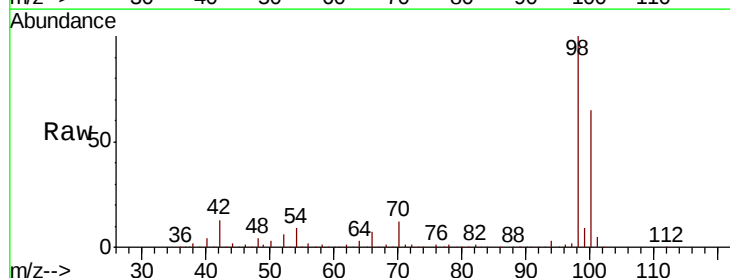
Acq: 07 May 2019 11:26

Tgt Ion: 98 Resp: 374289

Ion Ratio Lower Upper

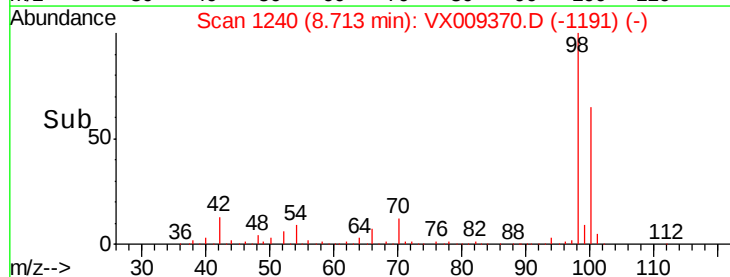
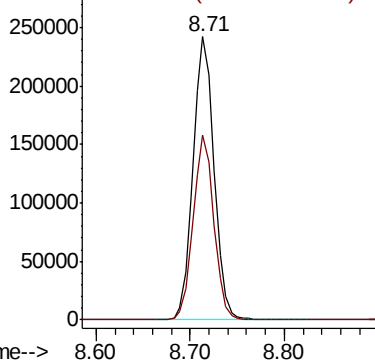
98 100

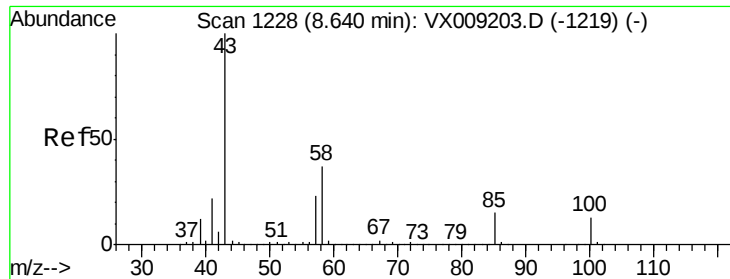
100 64.3 51.2 76.8



Abundance Ion 98.00 (97.70 to 98.70): VX0

Ion 100.00 (99.70 to 100.70): V





#51

4-Methyl-2-Pentanone

Concen: 0.522 ug/l

RT: 8.71 min Scan# 1240

Delta R.T. 0.07 min

Lab File: VX009370.D

Acq: 07 May 2019 11:26

Instrument :

MSVOA_X

ClientSampleId :

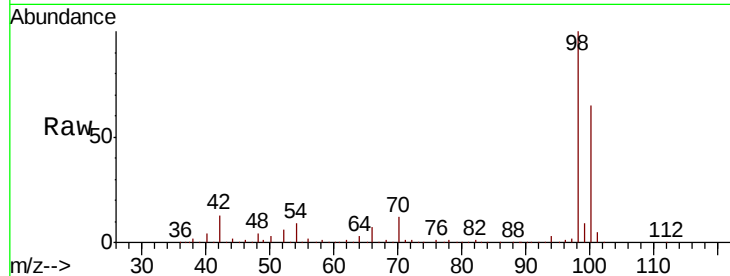
VX0507WBL02

Tot Ion: 43 Resp: 2117

Ion Ratio Lower Upper

43 100

58 152.8 29.5 44.3#



Abundance Ion 43.00 (42.70 to 43.70): VX0

Ion 58.00 (57.70 to 58.70): VX0

2000

1500

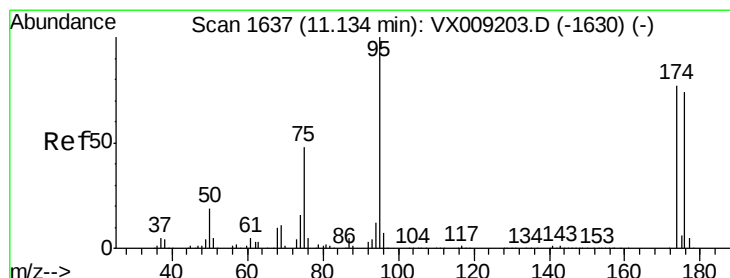
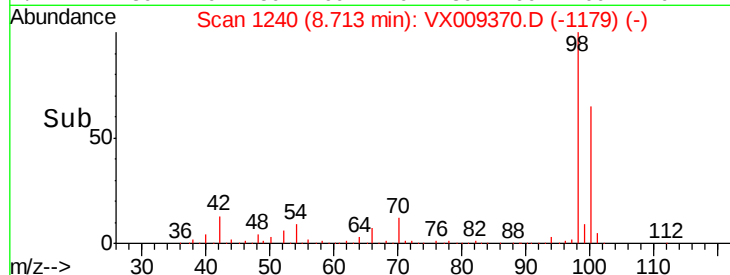
1000

500

0

8.65 8.70 8.75 8.80

Time-->



#62

4-Bromofluorobenzene

Concen: 43.916 ug/l

RT: 11.13 min Scan# 1637

Delta R.T. -0.00 min

Lab File: VX009370.D

Acq: 07 May 2019 11:26

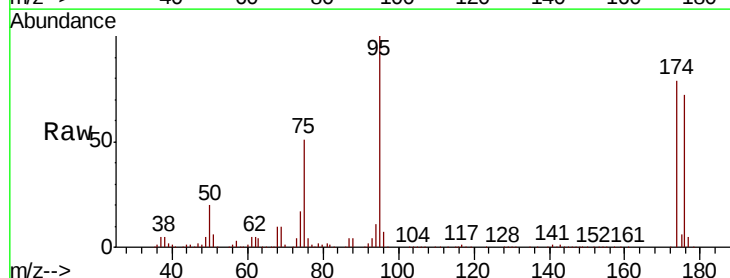
Tgt Ion: 95 Resp: 121346

Ion Ratio Lower Upper

95 100

174 82.4 0.0 161.6

176 78.9 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

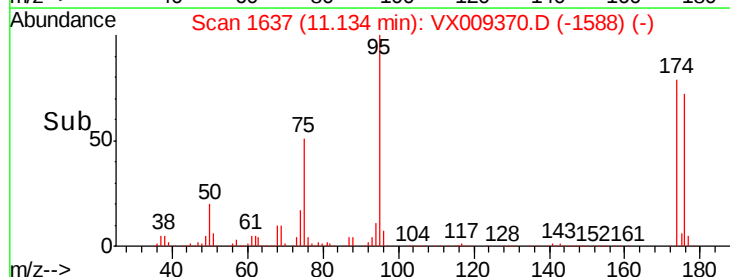
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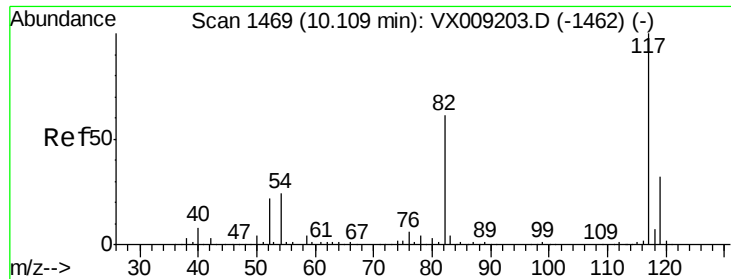
50000

0

11.10 11.13 11.20

Time-->

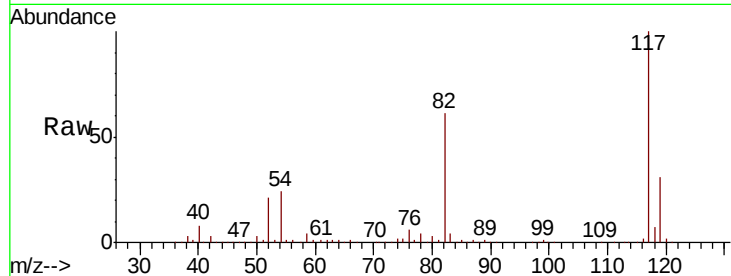




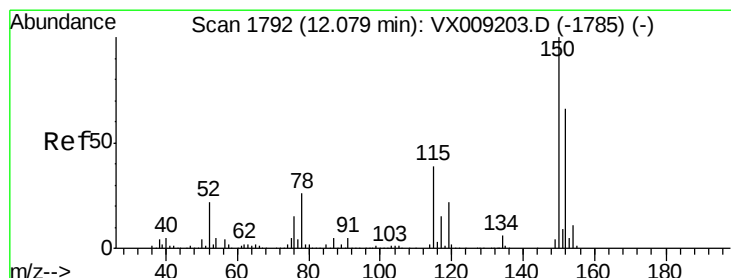
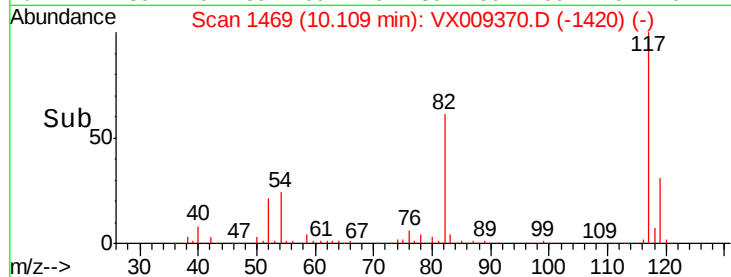
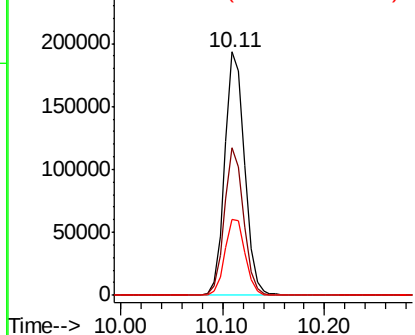
#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 10.11 min Scan# 1469
Delta R.T. -0.00 min
Lab File: VX009370.D
Acq: 07 May 2019 11:26

Instrument :
MSVOA_X
ClientSampleId :
VX0507WBL02

Tot Ion:117 Resp: 259885
Ion Ratio Lower Upper
117 100
82 60.5 48.8 73.2
119 31.4 25.8 38.6

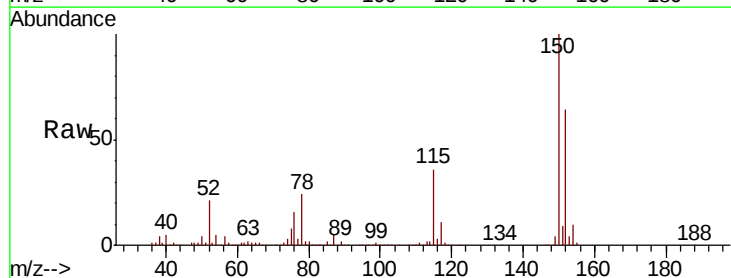


Abundance Ion 116.90 (116.60 to 117.60): V
Ion 82.00 (81.70 to 82.70): VX0
Ion 118.90 (118.60 to 119.60): V

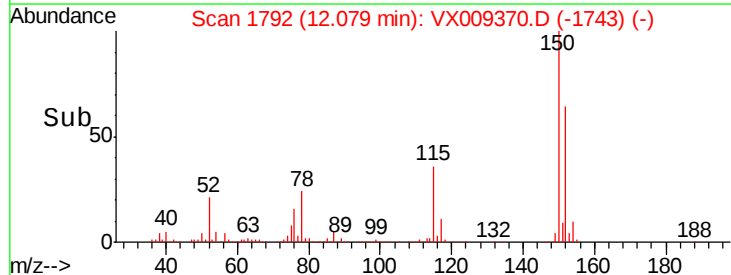
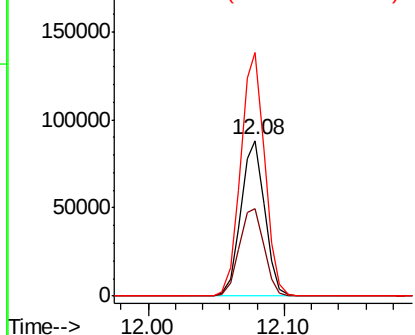


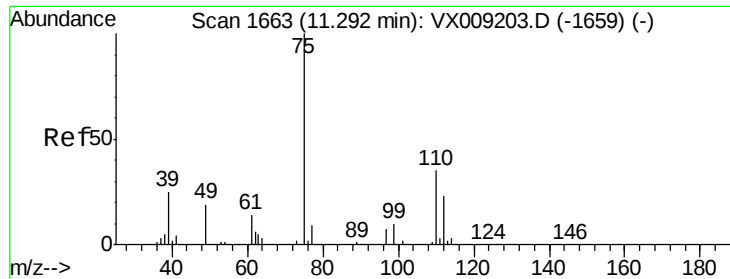
#72
1,4-Dichlorobenzene-d4
Concen: 50.000 ug/l
RT: 12.08 min Scan# 1792
Delta R.T. -0.00 min
Lab File: VX009370.D
Acq: 07 May 2019 11:26

Tgt Ion:152 Resp: 107498
Ion Ratio Lower Upper
152 100
115 59.0 41.2 123.6
150 158.1 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

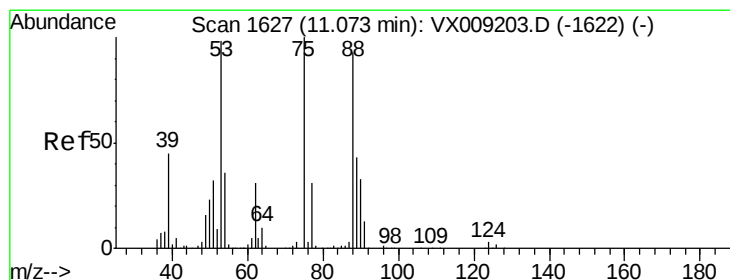
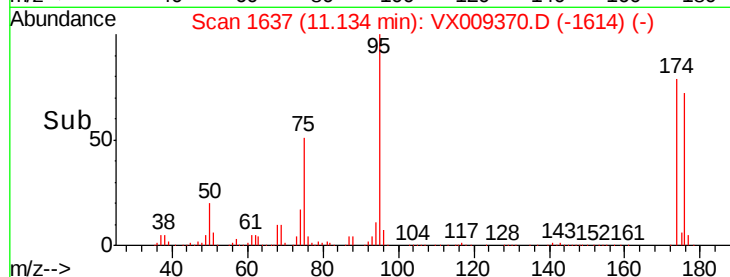
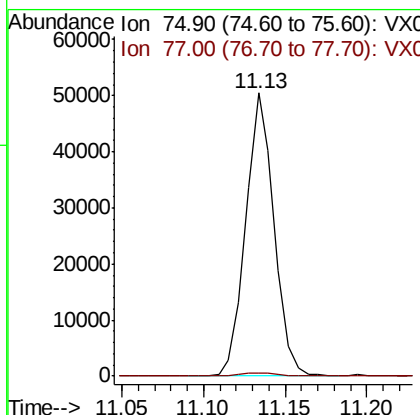
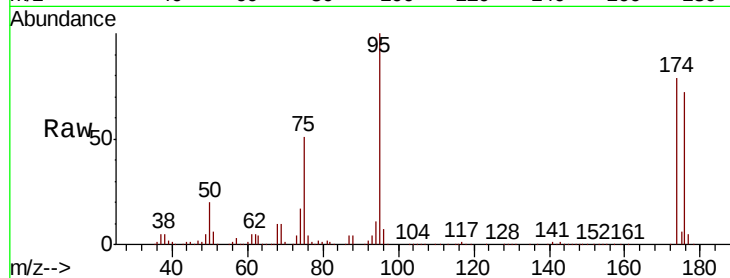




#76
 1,2,3-Trichloropropane
 Concen: 24.548 ug/l
 RT: 11.13 min Scan# 1637
 Delta R.T. -0.16 min
 Lab File: VX009370.D
 Acq: 07 May 2019 11:26

Instrument :
 MSVOA_X
 ClientSampleId :
 VX0507WBL02

Tot Ion: 75 Resp: 61212
 Ion Ratio Lower Upper
 75 100
 77 1.4 22.1 66.1#



#81
 trans-1,4-Dichloro-2-butene
 Concen: 62.809 ug/l
 RT: 11.13 min Scan# 1637
 Delta R.T. 0.06 min
 Lab File: VX009370.D
 Acq: 07 May 2019 11:26

Tgt Ion: 75 Resp: 61212
 Ion Ratio Lower Upper
 75 100
 53 0.0 79.0 118.6#
 89 0.0 34.7 52.1#

