

Data Path : Z:\VOASRV\HPCHEM1\MSVOA X\DATA\VX050919\
 Data File : VX009454.D
 Acq On : 10 May 2019 02:17
 Operator : JC/SP
 Sample : K2782-06
 Misc : 5.0mL/MSVOA X/WATER
 ALS Vial : 42 Sample Multiplier: 1

Instrument :
 MSVOA_X
 ClientSampleId :

Quant Time: May 10 07:12:26 2019
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_X\METHOD\82X042919W.M
 Quant Title : SW846 8260
 QLast Update : Thu May 09 07:31:15 2019
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Pentafluorobenzene	5.66	168	196407	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	6.86	114	315603	50.00	ug/l	0.00
63) Chlorobenzene-d5	10.11	117	277477	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	12.08	152	120133	50.00	ug/l	0.00

System Monitoring Compounds

33) 1,2-Dichloroethane-d4	6.06	65	127387	47.51	ug/l	0.00
Spiked Amount	50.000		Recovery	=	95.02%	
35) Dibromofluoromethane	5.50	113	94949	47.86	ug/l	0.00
Spiked Amount	50.000		Recovery	=	95.72%	
50) Toluene-d8	8.71	98	393072	49.07	ug/l	0.00
Spiked Amount	50.000		Recovery	=	98.14%	
62) 4-Bromofluorobenzene	11.13	95	131153	45.06	ug/l	0.00
Spiked Amount	50.000		Recovery	=	90.12%	

Target Compounds

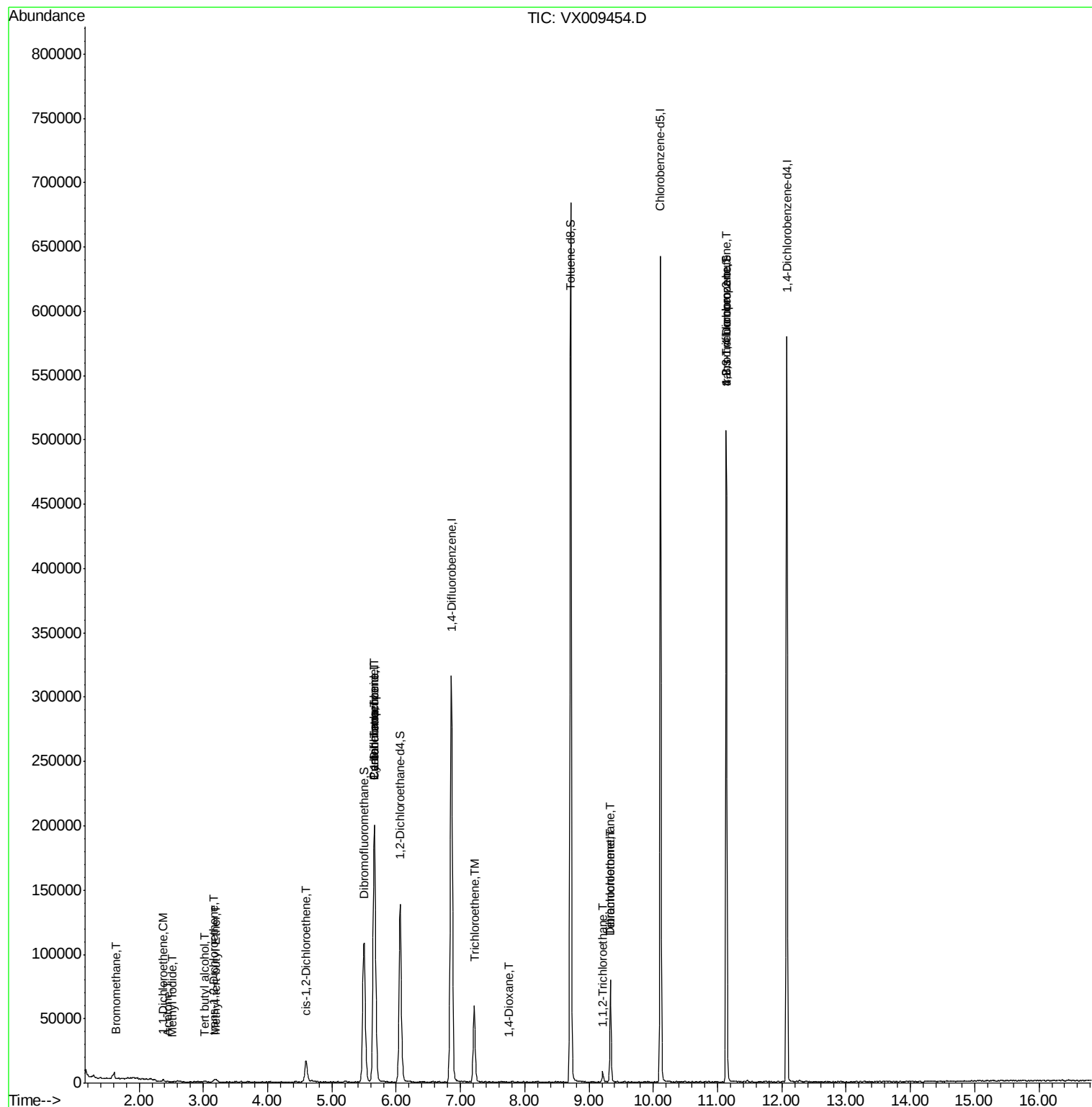
						Qvalue
5) Bromomethane	1.65	94	328	0.227	ug/l #	46
10) Methyl Iodide	2.51	142	90	4.632	ug/l #	89
11) Tert butyl alcohol	3.01	59	546	0.880	ug/l #	73
12) 1,1-Dichloroethene	2.38	96	688	0.373	ug/l #	76
16) Acetone	2.44	43	606	0.421	ug/l	94
19) Methyl tert-butyl Ether	3.20	73	1799	0.251	ug/l	93
21) trans-1,2-Dichloroethene	3.16	96	477	0.239	ug/l #	65
27) cis-1,2-Dichloroethene	4.60	96	10302	4.319	ug/l	89
28) Bromochloromethane	5.00	49	49	Below Cal	#	20
31) Cyclohexane	5.67	56	4174	1.053	ug/l #	1
36) 1,1-Dichloropropene	5.66	75	14759	5.032	ug/l #	50
38) Carbon Tetrachloride	5.66	117	18536	6.956	ug/l #	16
44) Trichloroethene	7.21	130	23073	10.515	ug/l	97
49) 1,4-Dioxane	7.76	88	21	0.319	ug/l #	1
55) 1,1,2-Trichloroethane	9.21	97	2131	0.947	ug/l	95
60) Dibromochloromethane	9.34	129	13983	6.360	ug/l #	11
64) Tetrachloroethene	9.34	164	15619	8.206	ug/l	99
76) 1,2,3-Trichloropropane	11.13	75	66399	23.828	ug/l #	34
81) trans-1,4-Dichloro-2-buten	11.13	75	66399	60.966	ug/l #	10

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

Data Path : Z:\V0ASRV\HPCHEM1\MSVOA X\DATA\VX050919\
Data File : VX009454.D
Acq On : 10 May 2019 02:17
Operator : JC/SP
Sample : K2782-06
Misc : 5.0mL/MSVOA X/WATER
ALS Vial : 42 Sample Multiplier: 1

Instrument :
MSVOA_X
ClientSampleId :

Quant Time: May 10 07:12:26 2019
Quant Method : Z:\V0ASRV\HPCHEM1\MSVOA_X\METHOD\82X042919W.M
Quant Title : SW846 8260
QLast Update : Thu May 09 07:31:15 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: VX009454.D

Acq: 10 May 2019 02:17

Instrument :

MSVOA_X

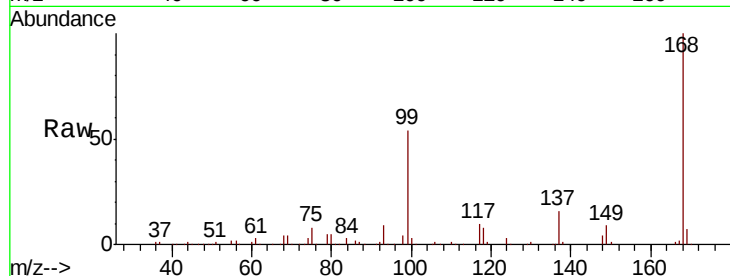
ClientSampleId :

Tot Ion:168 Resp: 196407

Ion Ratio Lower Upper

168 100

99 53.5 42.3 63.5



Abundance Ion 167.90 (167.60 to 168.60): VX009203.D (-726) (-)

Ion 98.90 (98.60 to 99.60): VX009203.D (-726) (-)

5.66

80000

60000

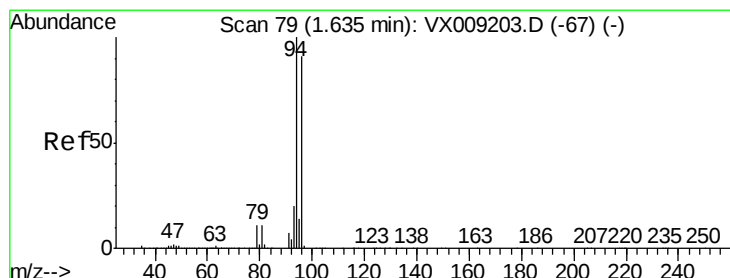
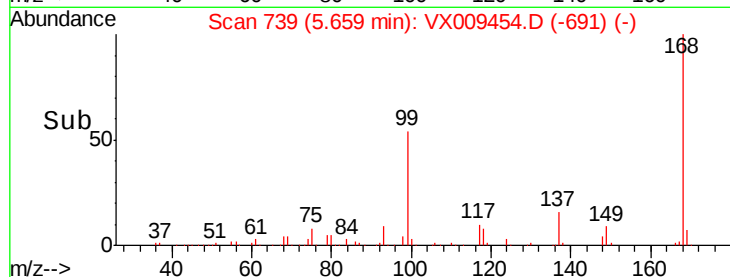
40000

20000

0

Time-->

5.50 5.60 5.70 5.80



#5

Bromomethane

Concen: 0.227 ug/l

RT: 1.65 min Scan# 82

Delta R.T. 0.02 min

Lab File: VX009454.D

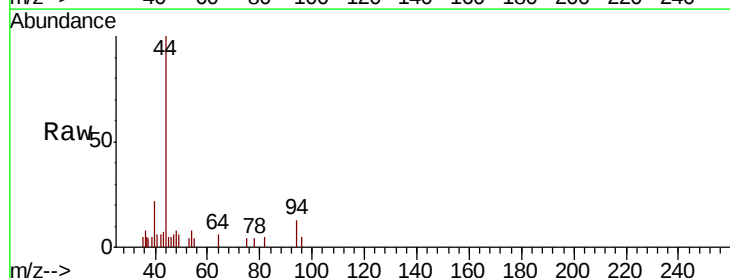
Acq: 10 May 2019 02:17

Tgt Ion: 94 Resp: 328

Ion Ratio Lower Upper

94 100

96 40.2 73.0 109.6#



Abundance Ion 93.90 (93.60 to 94.60): VX009454.D (-30) (-)

Ion 95.90 (95.60 to 96.60): VX009454.D (-30) (-)

1.65

200

150

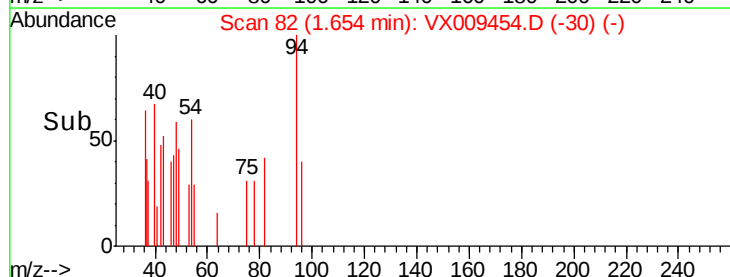
100

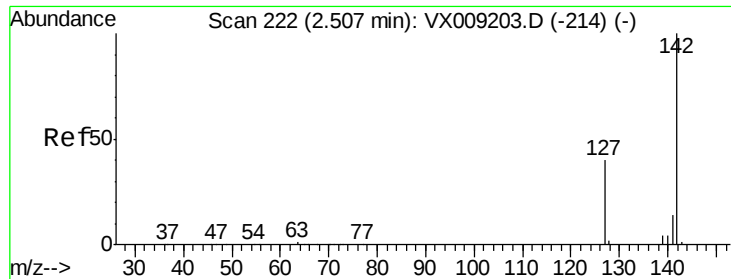
50

0

Time-->

1.60 1.65 1.70

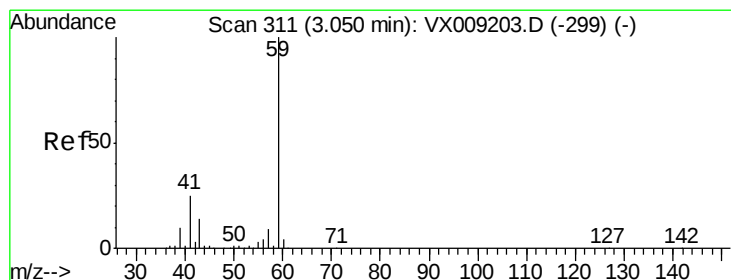
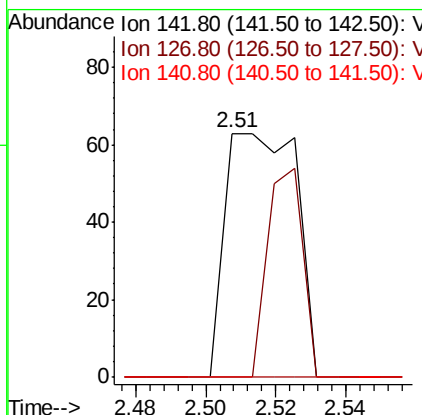
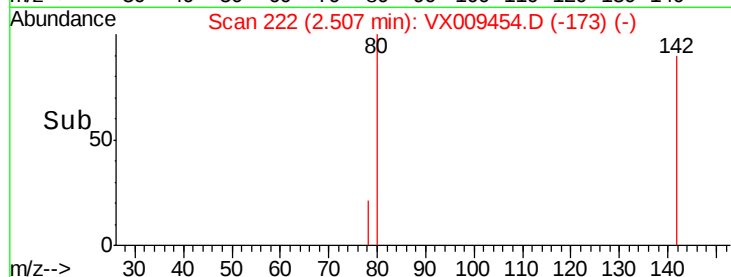
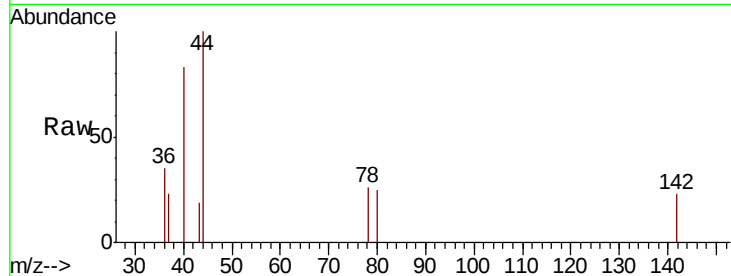




#10
Methvl Iodide
Concen: 4.632 ug/l
RT: 2.51 min Scan# 222
Delta R.T. 0.00 min
Lab File: VX009454.D
Acq: 10 May 2019 02:17

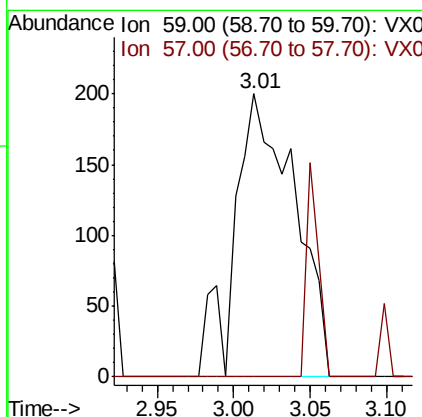
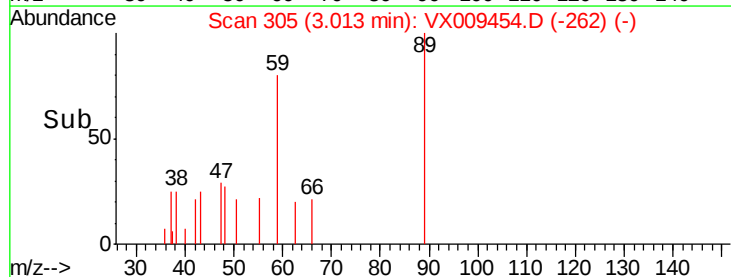
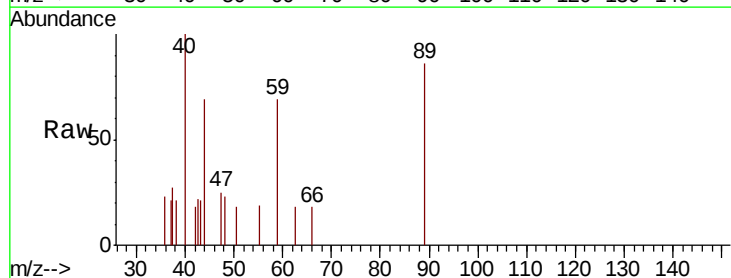
Instrument :
MSVOA_X
ClientSampled :

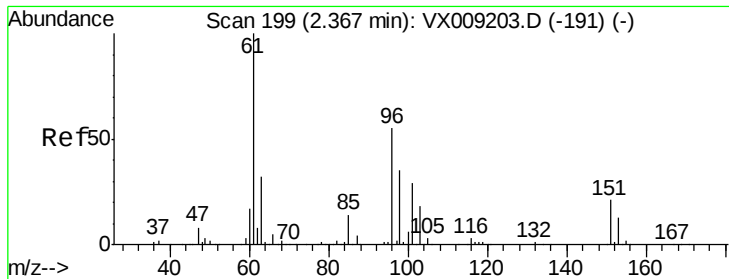
Tot Ion:142 Resp: 90
Ion Ratio Lower Upper
142 100
127 42.2 32.7 49.1
141 0.0 11.5 17.3#



#11
Tert butyl alcohol
Concen: 0.880 ug/l
RT: 3.01 min Scan# 305
Delta R.T. -0.04 min
Lab File: VX009454.D
Acq: 10 May 2019 02:17

Tgt Ion: 59 Resp: 546
Ion Ratio Lower Upper
59 100
57 0.0 8.2 12.2#





#12

1,1-Dichloroethene

Concen: 0.373 ug/l

RT: 2.38 min Scan# 201

Delta R.T. 0.01 min

Lab File: VX009454.D

Acq: 10 May 2019 02:17

Instrument :

MSVOA_X

ClientSampleId :

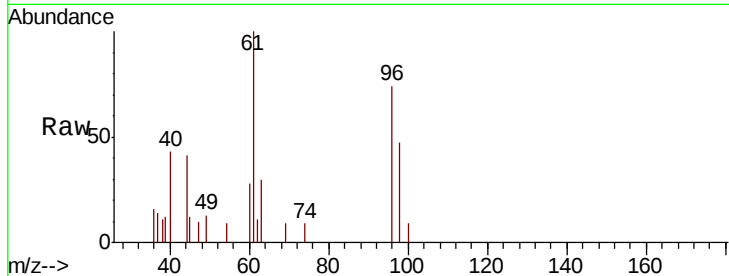
Tot Ion: 96 Resp: 688

Ion Ratio Lower Upper

96 100

61 135.1 144.3 216.5#

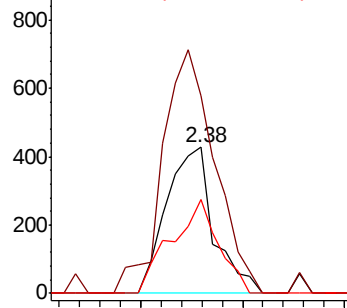
98 64.2 50.3 75.5



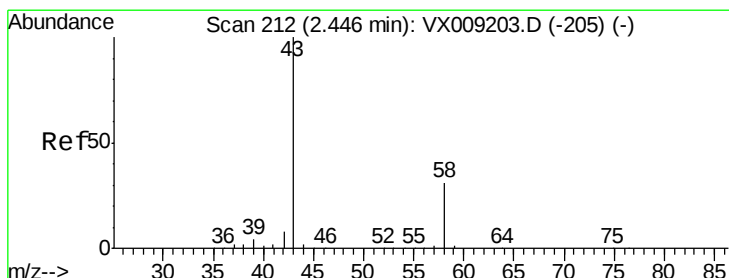
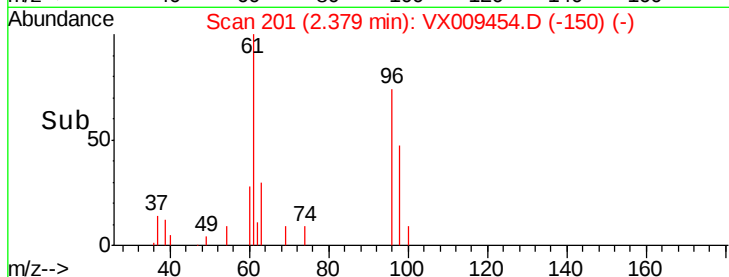
Abundance Ion 95.90 (95.60 to 96.60): VX0

Ion 60.90 (60.60 to 61.60): VX0

Ion 97.90 (97.60 to 98.60): VX0



Time-->



#16

Acetone

Concen: 0.421 ug/l

RT: 2.44 min Scan# 211

Delta R.T. -0.01 min

Lab File: VX009454.D

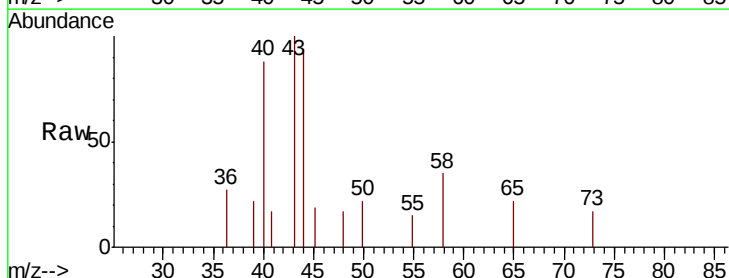
Acq: 10 May 2019 02:17

Tgt Ion: 43 Resp: 606

Ion Ratio Lower Upper

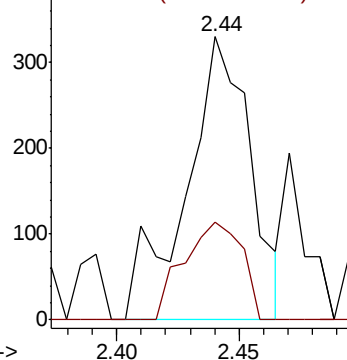
43 100

58 34.5 24.9 37.3

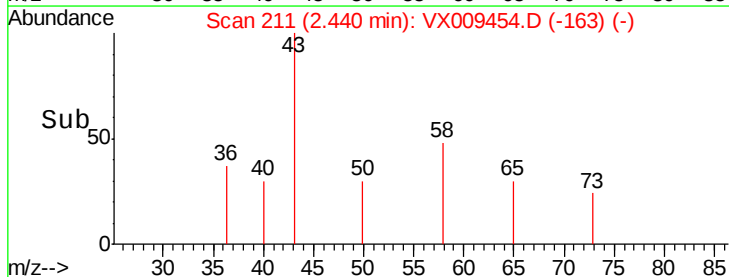


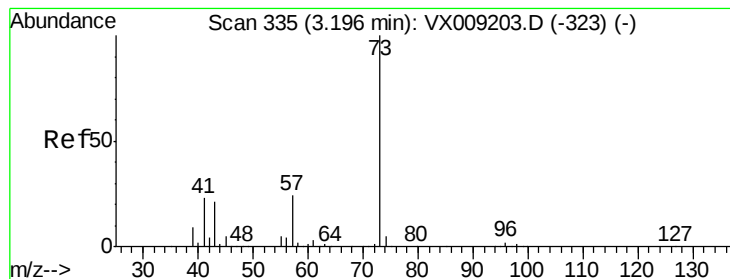
Abundance Ion 43.00 (42.70 to 43.70): VX0

Ion 58.00 (57.70 to 58.70): VX0



Time-->



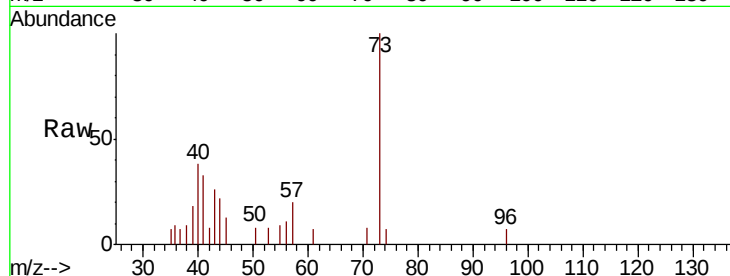


#19

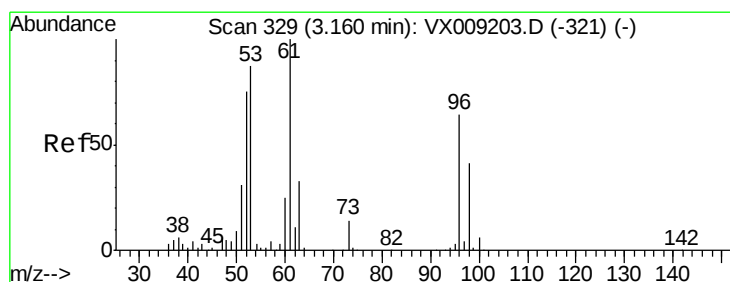
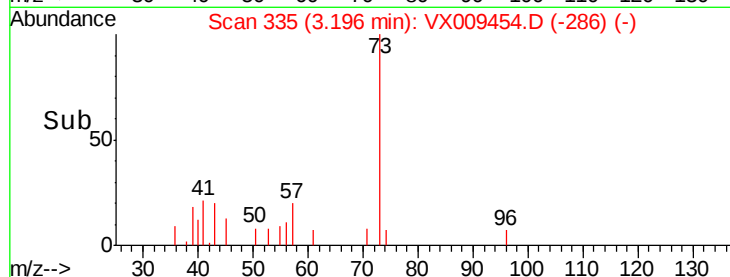
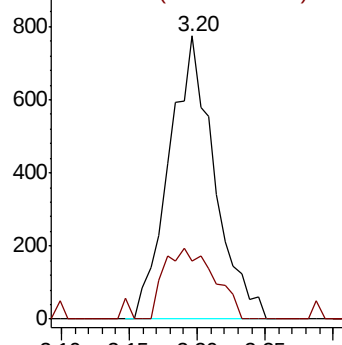
Methvl tert-butvl Ether
 Concen: 0.251 ug/l
 RT: 3.20 min Scan# 335
 Delta R.T. 0.00 min
 Lab File: VX009454.D
 Acq: 10 May 2019 02:17

Instrument :
 MSVOA_X
 ClientSampled :

Tot Ion: 73 Resp: 1799
 Ion Ratio Lower Upper
 73 100
 57 20.4 19.3 28.9



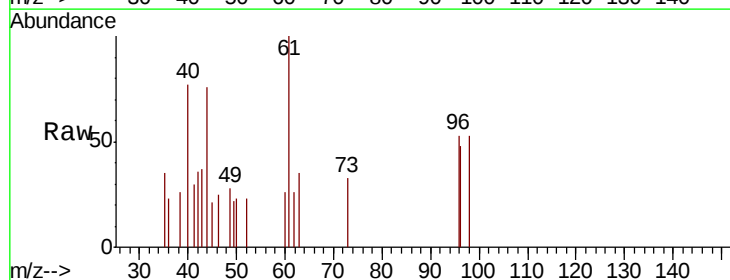
Abundance Ion 73.00 (72.70 to 73.70): VX0
 Ion 57.00 (56.70 to 57.70): VX0



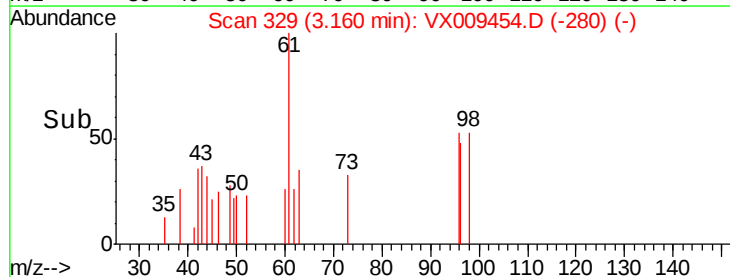
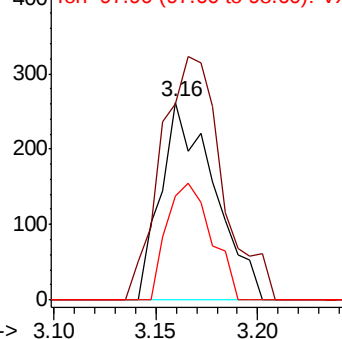
#21

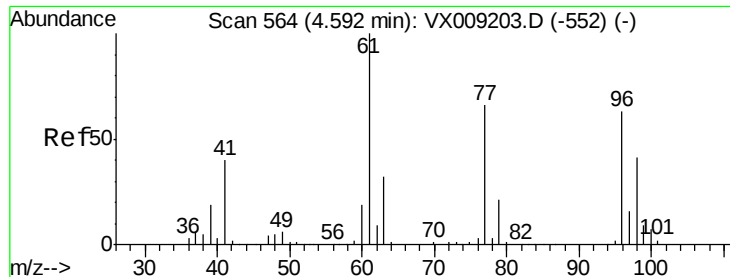
trans-1,2-Dichloroethene
 Concen: 0.239 ug/l
 RT: 3.16 min Scan# 329
 Delta R.T. 0.00 min
 Lab File: VX009454.D
 Acq: 10 May 2019 02:17

Tgt Ion: 96 Resp: 477
 Ion Ratio Lower Upper
 96 100
 61 99.2 124.5 186.7#
 98 52.3 50.4 75.6



Abundance Ion 95.90 (95.60 to 96.60): VX0
 Ion 60.90 (60.60 to 61.60): VX0
 Ion 97.90 (97.60 to 98.60): VX0



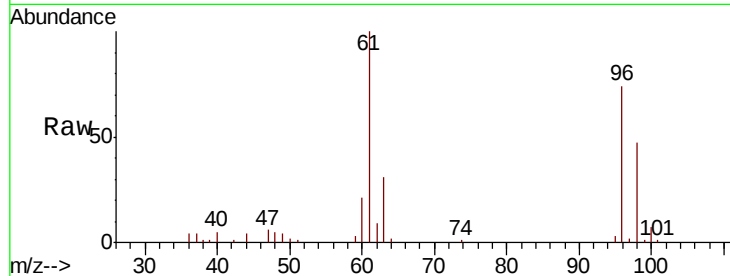


#27

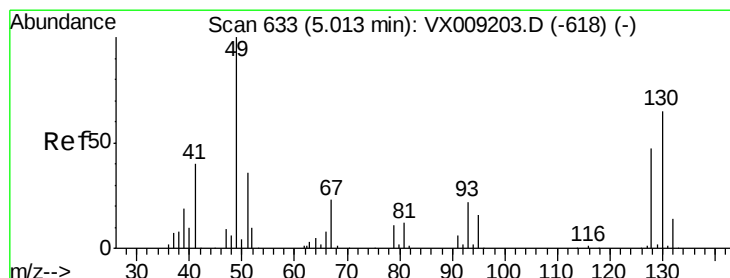
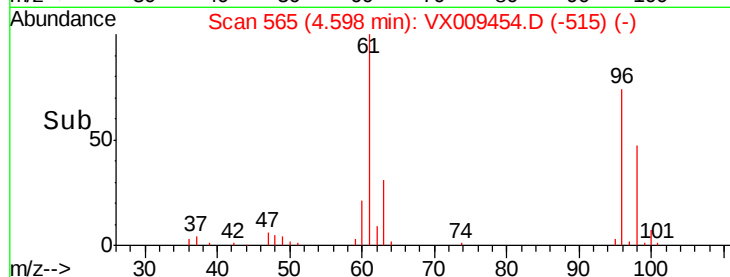
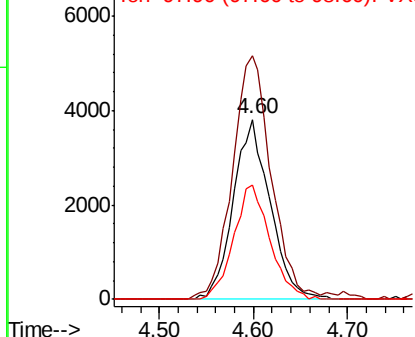
cis-1,2-Dichloroethene
Concen: 4.319 ug/l
RT: 4.60 min Scan# 565
Delta R.T. 0.01 min
Lab File: VX009454.D
Acq: 10 May 2019 02:17

Instrument :
MSVOA_X
ClientSampleId :

Tot Ion: 96 Resp: 10302
Ion Ratio Lower Upper
96 100
61 142.8 0.0 324.0
98 63.0 0.0 130.4



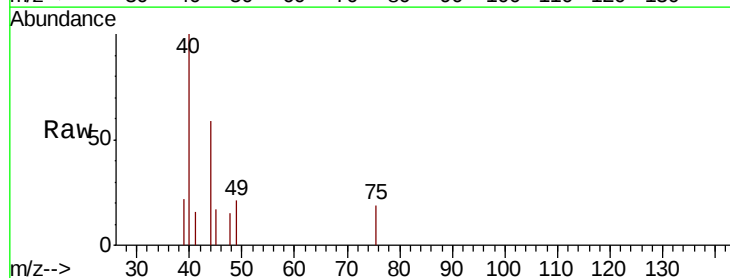
Abundance Ion 95.90 (95.60 to 96.60): VX0
Ion 60.90 (60.60 to 61.60): VX0
Ion 97.90 (97.60 to 98.60): VX0



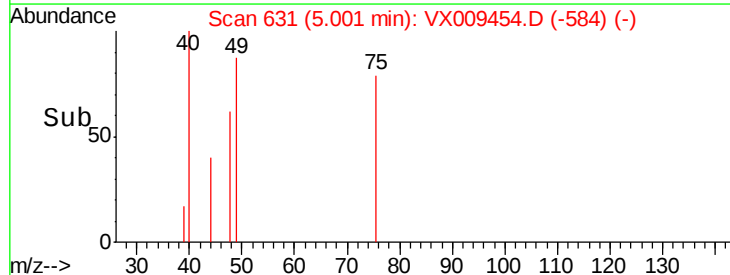
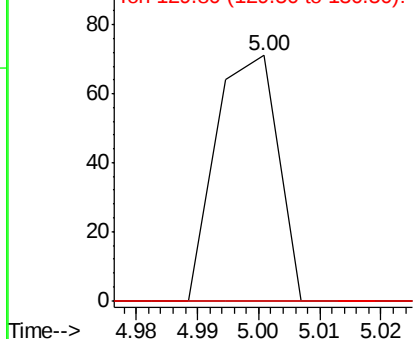
#28

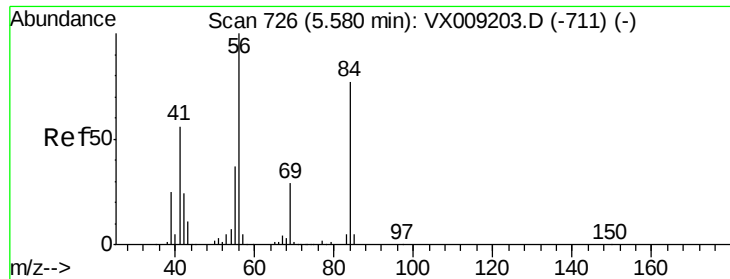
Bromochloromethane
Concen: Below Cal
RT: 5.00 min Scan# 631
Delta R.T. -0.01 min
Lab File: VX009454.D
Acq: 10 May 2019 02:17

Tgt Ion: 49 Resp: 49
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

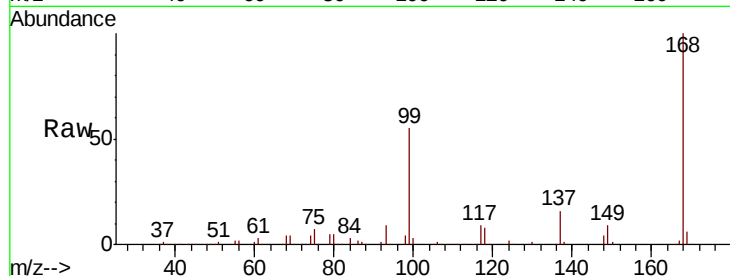




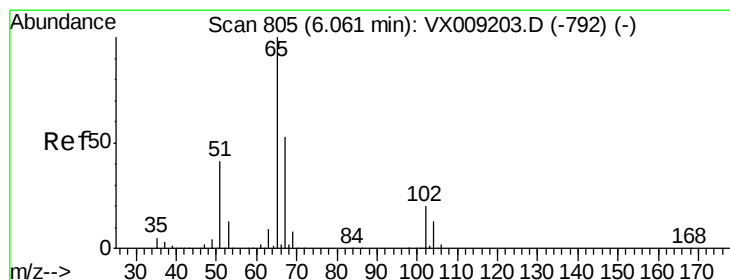
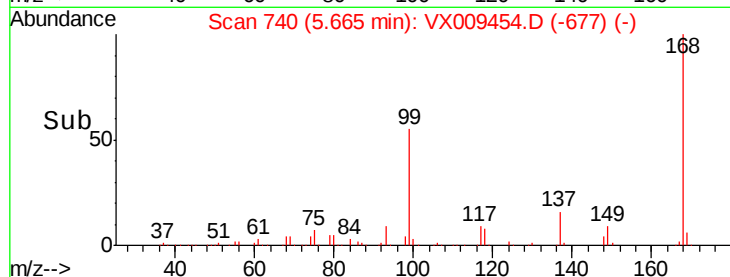
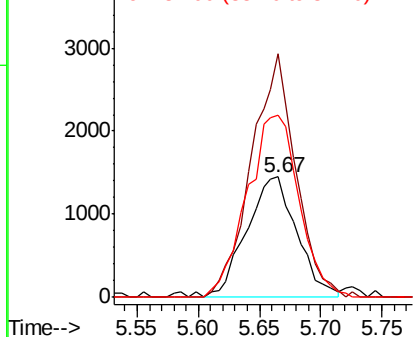
#31
Cyclohexane
Concen: 1.053 ug/l
RT: 5.67 min Scan# 740
Delta R.T. 0.09 min
Lab File: VX009454.D
Acq: 10 May 2019 02:17

Instrument :
MSVOA_X
ClientSampled :

Tot Ion: 56 Resp: 4174
Ion Ratio Lower Upper
56 100
69 202.6 23.4 35.0#
84 151.9 61.9 92.9#

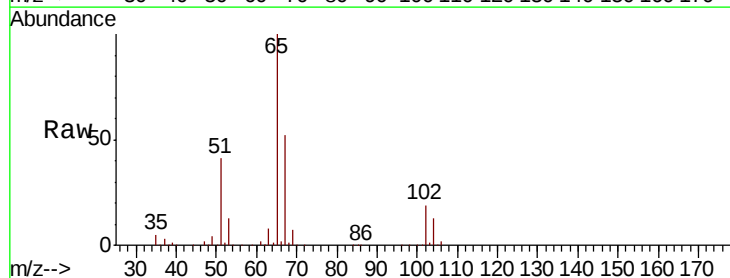


Abundance Ion 56.00 (55.70 to 56.70): VX0
Ion 69.00 (68.70 to 69.70): VX0
Ion 84.00 (83.70 to 84.70): VX0

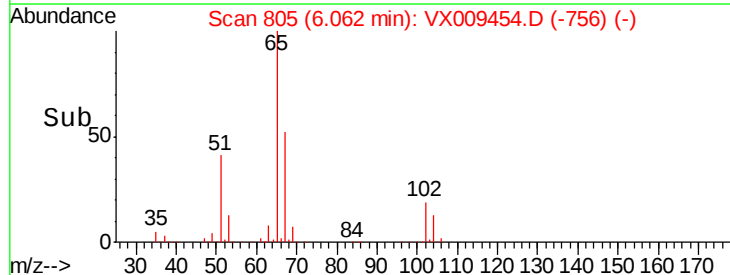
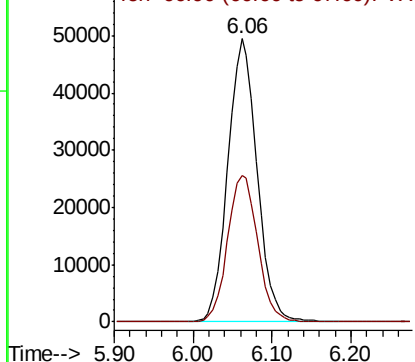


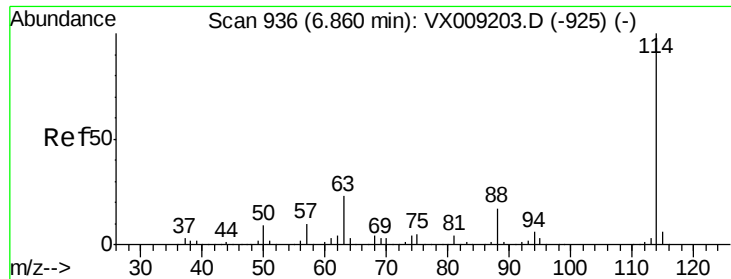
#33
1,2-Dichloroethane-d4
Concen: 47.511 ug/l
RT: 6.06 min Scan# 805
Delta R.T. 0.00 min
Lab File: VX009454.D
Acq: 10 May 2019 02:17

Tgt Ion: 65 Resp: 127387
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

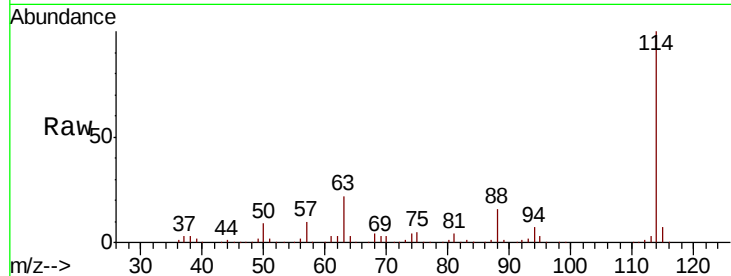




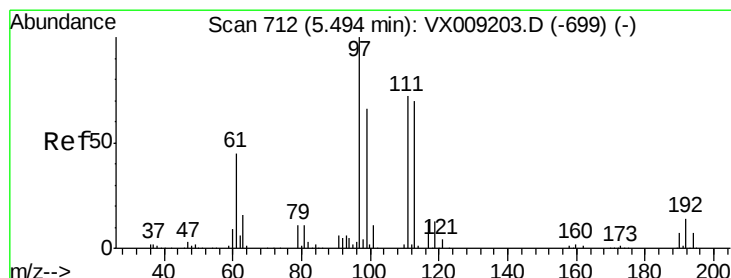
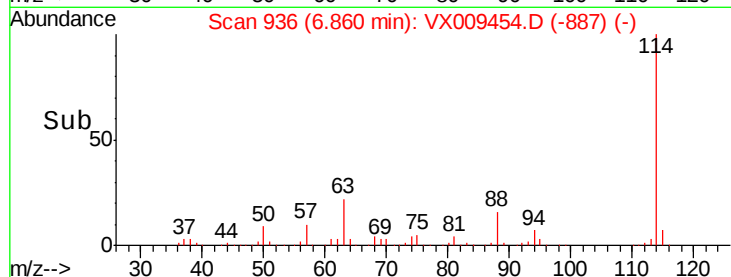
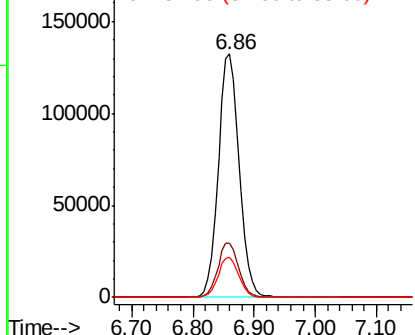
#34
 1,4-Difluorobenzene
 Concen: 50.000 ug/l
 RT: 6.86 min Scan# 936
 Delta R.T. 0.00 min
 Lab File: VX009454.D
 Acq: 10 May 2019 02:17

Instrument :
 MSVOA_X
 ClientSampleId :

Tot Ion:114 Resp: 315603
 Ion Ratio Lower Upper
 114 100
 63 22.5 0.0 45.6
 88 16.2 0.0 33.2

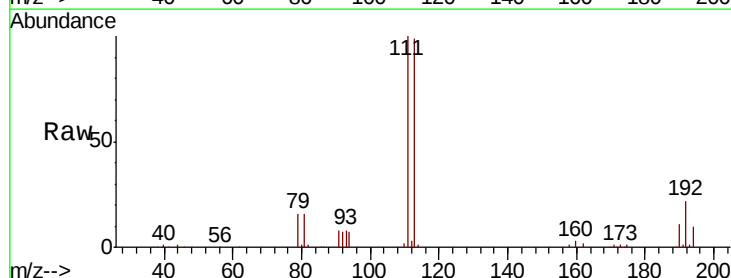


Abundance Ion 113.90 (113.60 to 114.60): V
 Ion 63.00 (62.70 to 63.70): VX0
 Ion 87.90 (87.60 to 88.60): VX0

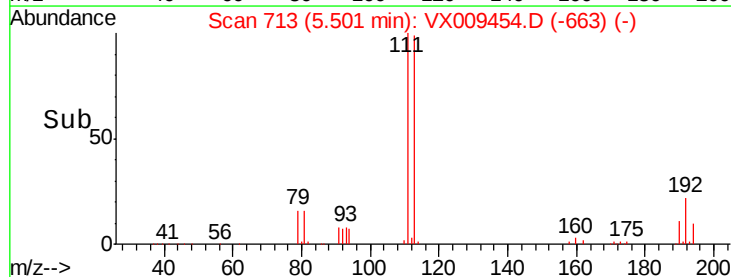
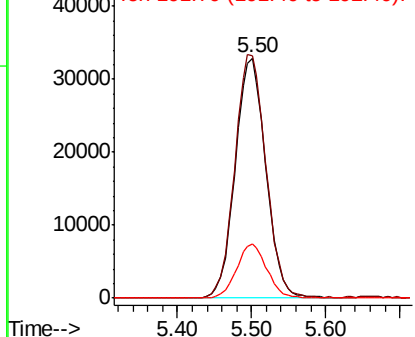


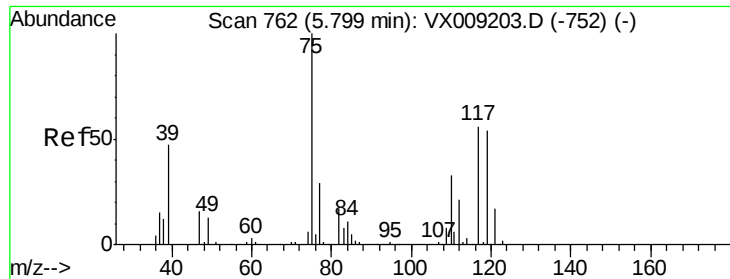
#35
 Dibromofluoromethane
 Concen: 47.857 ug/l
 RT: 5.50 min Scan# 713
 Delta R.T. 0.01 min
 Lab File: VX009454.D
 Acq: 10 May 2019 02:17

Tgt Ion:113 Resp: 94949
 Ion Ratio Lower Upper
 113 100
 111 102.8 82.8 124.2
 192 22.1 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: 5.032 ug/l

RT: 5.66 min Scan# 739

Delta R.T. -0.14 min

Lab File: VX009454.D

Acq: 10 May 2019 02:17

Instrument :

MSVOA_X

ClientSampleId :

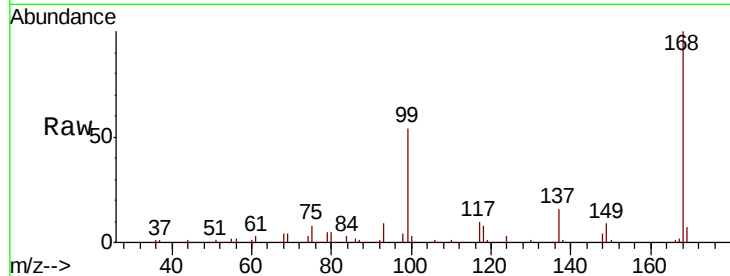
Tot Ion: 75 Resp: 14759

Ion Ratio Lower Upper

75 100

110 8.5 16.9 50.6#

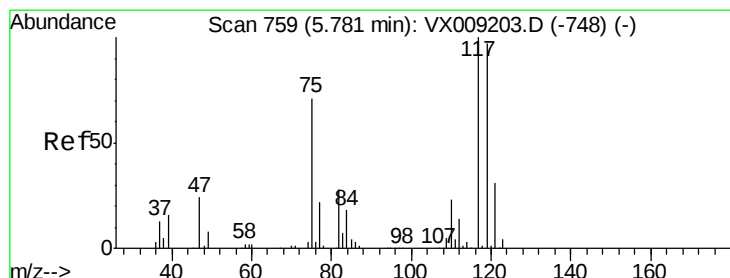
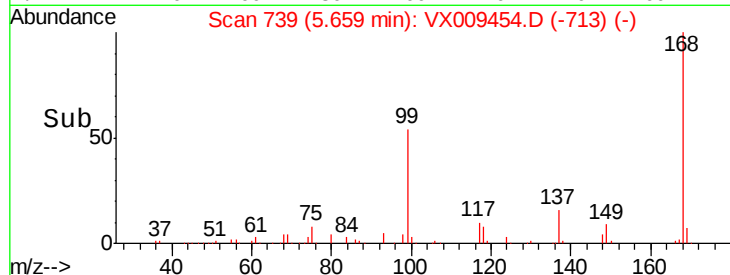
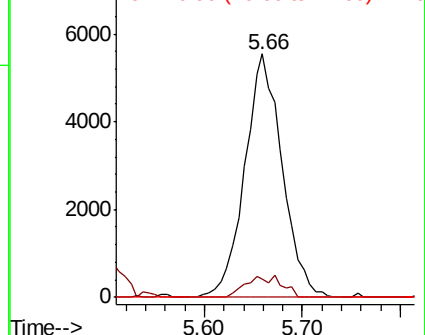
77 0.0 24.8 37.2#



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: 6.956 ug/l

RT: 5.66 min Scan# 739

Delta R.T. -0.12 min

Lab File: VX009454.D

Acq: 10 May 2019 02:17

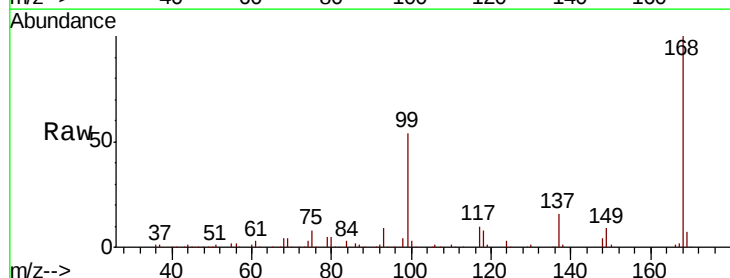
Tgt Ion:117 Resp: 18536

Ion Ratio Lower Upper

117 100

119 5.4 77.5 116.3#

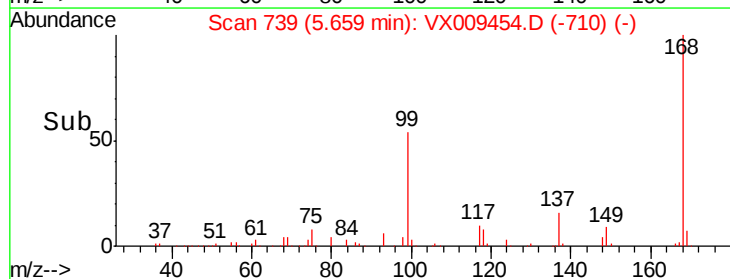
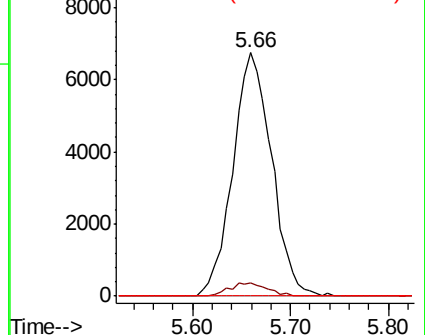
121 0.0 24.7 37.1#

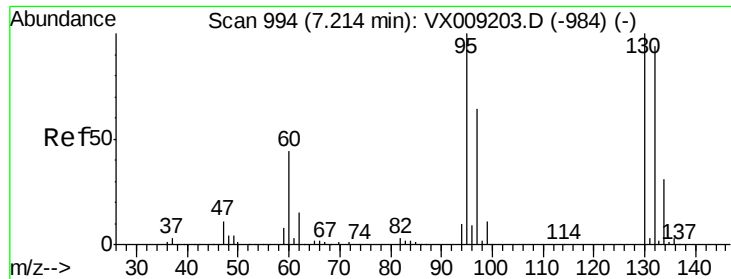


Abundance Ion 116.80 (116.50 to 117.50): V

Ion 118.80 (118.50 to 119.50): V

Ion 120.80 (120.50 to 121.50): V

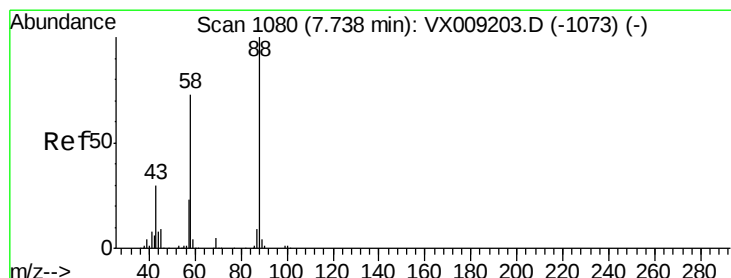
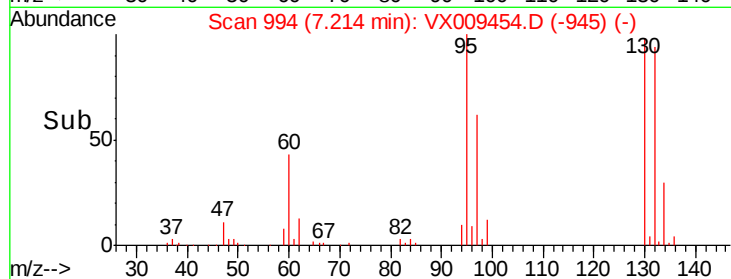
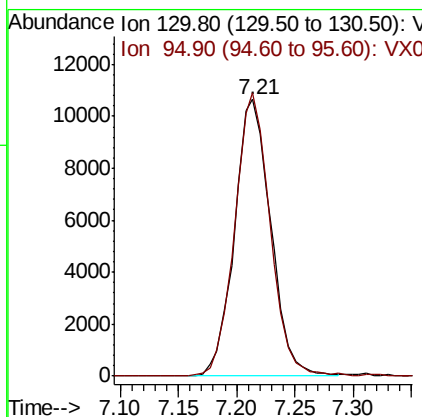
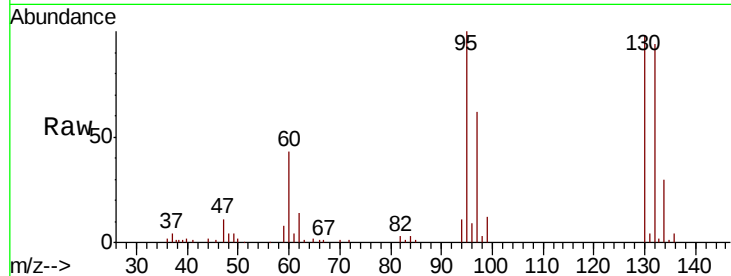




#44
 Trichloroethene
 Concen: 10.515 ug/l
 RT: 7.21 min Scan# 994
 Delta R.T. 0.00 min
 Lab File: VX009454.D
 Acq: 10 May 2019 02:17

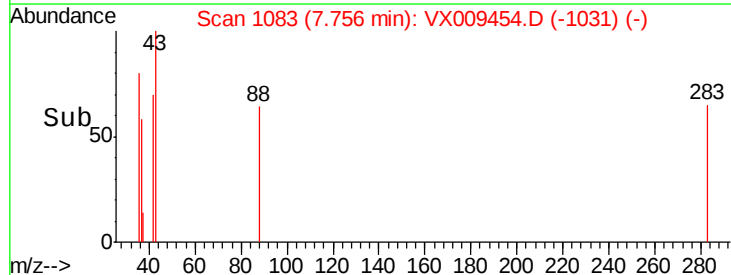
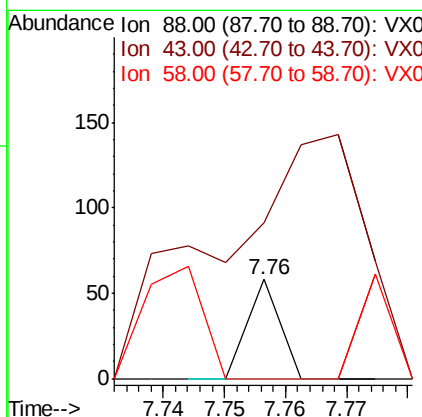
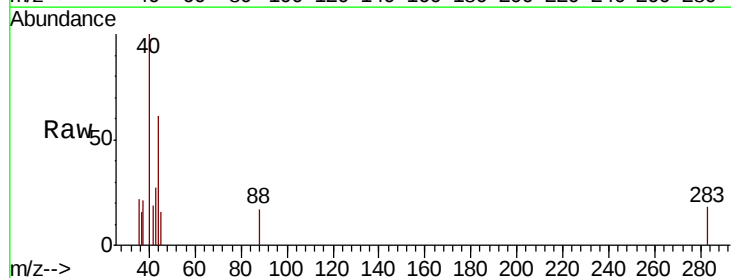
Instrument :
 MSVOA_X
 ClientSampled :

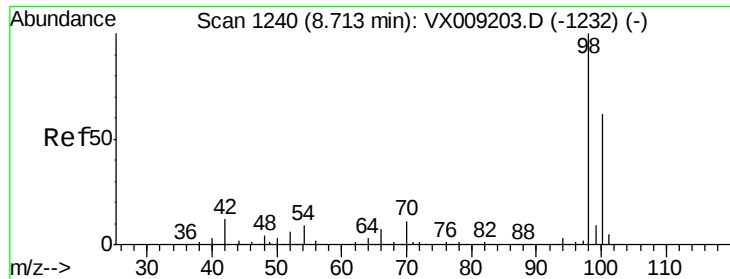
Tot Ion:130 Resp: 23073
 Ion Ratio Lower Upper
 130 100
 95 102.2 0.0 199.2



#49
 1,4-Dioxane
 Concen: 0.319 ug/l
 RT: 7.76 min Scan# 1083
 Delta R.T. 0.02 min
 Lab File: VX009454.D
 Acq: 10 May 2019 02:17

Tgt Ion: 88 Resp: 21
 Ion Ratio Lower Upper
 88 100
 43 1147.6 28.6 42.8#
 58 104.8 61.7 92.5#





#50

Toluene-d8

Concen: 49.073 ug/l

RT: 8.71 min Scan# 1240

Delta R.T. 0.00 min

Lab File: VX009454.D

Acq: 10 May 2019 02:17

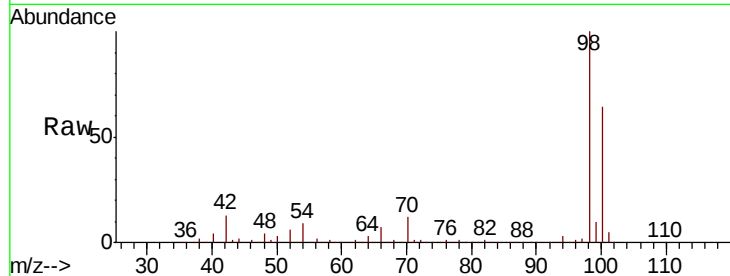
Instrument :
MSVOA_X
ClientSampled :

Tot Ion: 98 Resp: 393072

Ion Ratio Lower Upper

98 100

100 63.9 51.2 76.8



Abundance Ion 98.00 (97.70 to 98.70): VX0

Ion 100.00 (99.70 to 100.70): VX

300000

250000

200000

150000

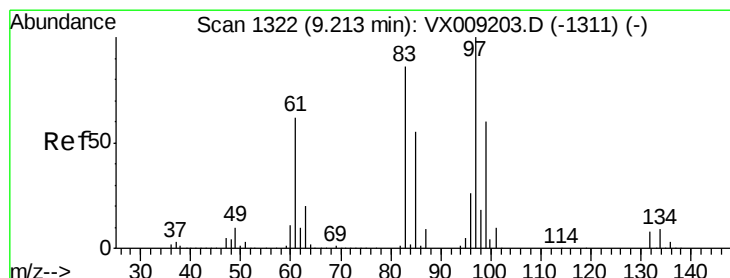
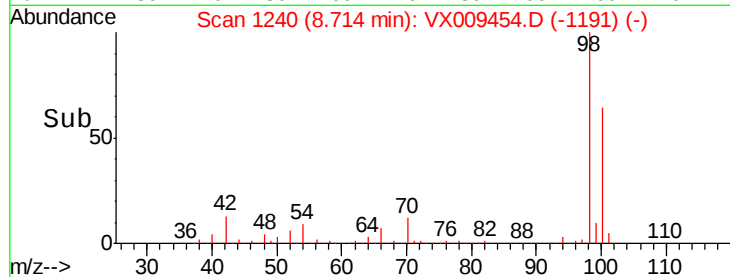
100000

50000

0

8.60 8.70 8.80 8.90

Time-->



#55

1,1,2-Trichloroethane

Concen: 0.947 ug/l

RT: 9.21 min Scan# 1322

Delta R.T. 0.00 min

Lab File: VX009454.D

Acq: 10 May 2019 02:17

Tgt Ion: 97 Resp: 2131

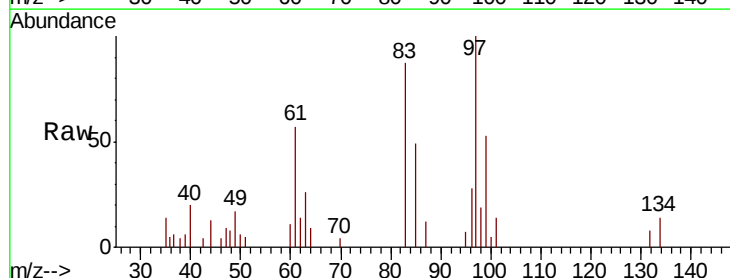
Ion Ratio Lower Upper

97 100

83 87.0 68.9 103.3

85 49.4 43.8 65.6

99 53.1 48.2 72.2



Abundance Ion 96.90 (96.60 to 97.60): VX0

Ion 82.90 (82.60 to 83.60): VX0

Ion 84.90 (84.60 to 85.60): VX0

Ion 98.90 (98.60 to 99.60): VX0

2000

1500

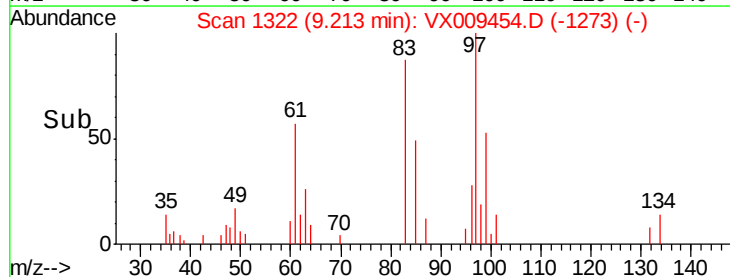
1000

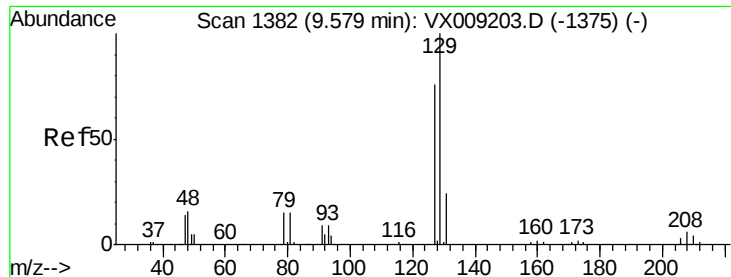
500

0

9.15 9.20 9.25

Time-->

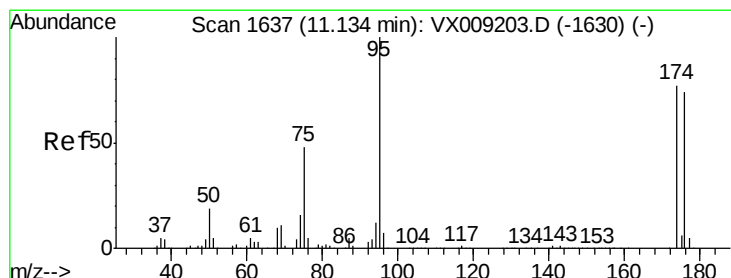
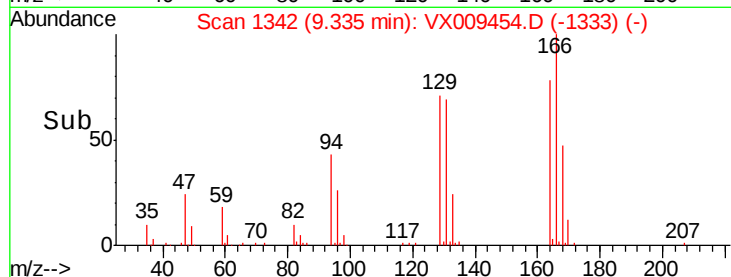
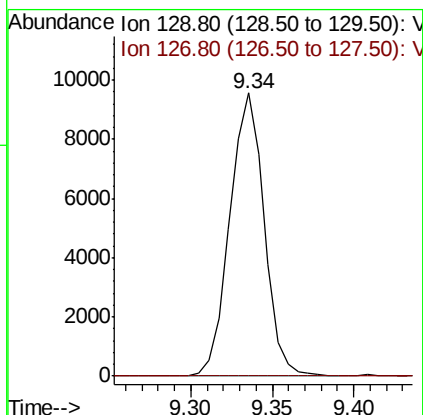
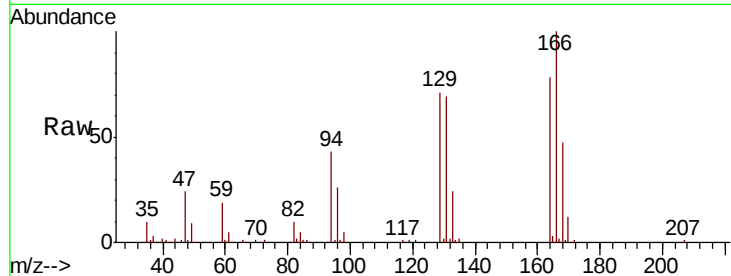




#60
Dibromochloromethane
Concen: 6.360 ug/l
RT: 9.34 min Scan# 1342
Delta R.T. -0.24 min
Lab File: VX009454.D
Acq: 10 May 2019 02:17

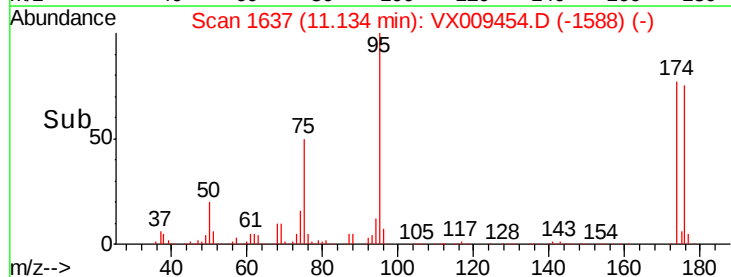
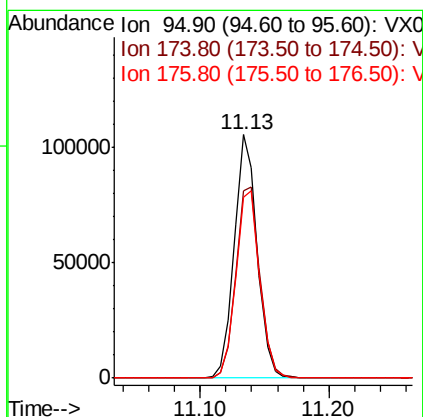
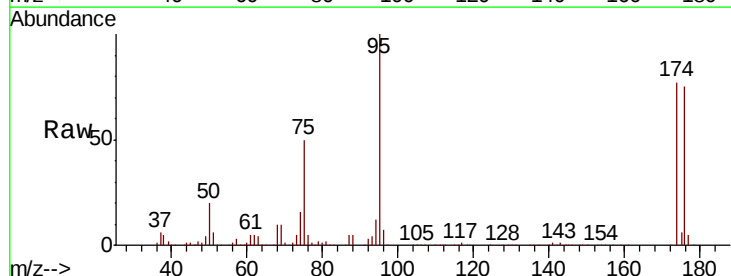
Instrument :
MSVOA_X
ClientSampleId :

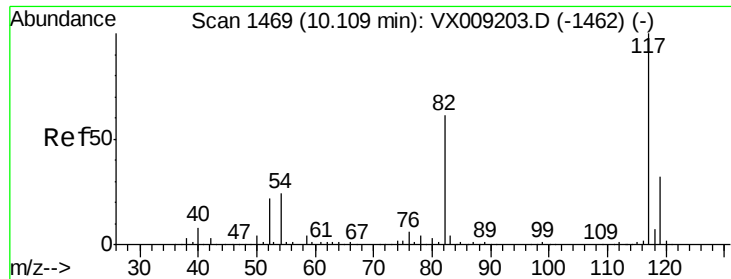
Tot Ion:129 Resp: 13983
Ion Ratio Lower Upper
129 100
127 0.0 38.4 115.1#



#62
4-Bromofluorobenzene
Concen: 45.062 ug/l
RT: 11.13 min Scan# 1637
Delta R.T. 0.00 min
Lab File: VX009454.D
Acq: 10 May 2019 02:17

Tgt Ion: 95 Resp: 131153
Ion Ratio Lower Upper
95 100
174 82.9 0.0 161.6
176 80.3 0.0 159.2

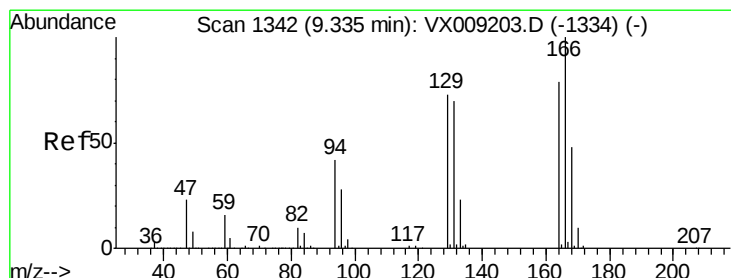
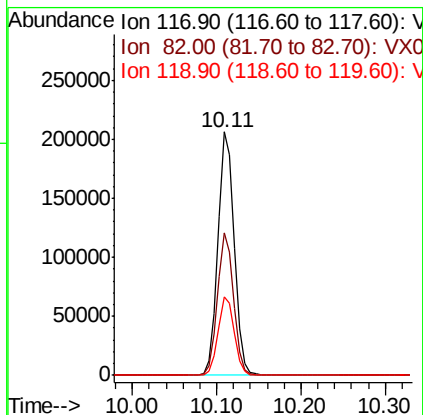
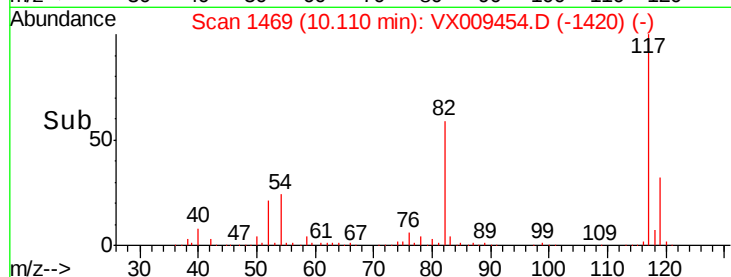
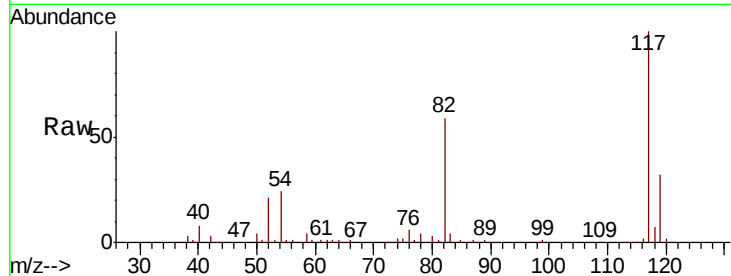




#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 10.11 min Scan# 1469
Delta R.T. 0.00 min
Lab File: VX009454.D
Acq: 10 May 2019 02:17

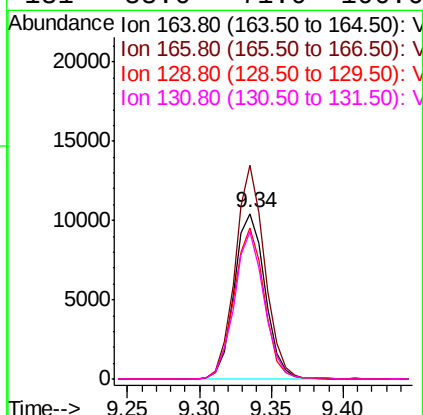
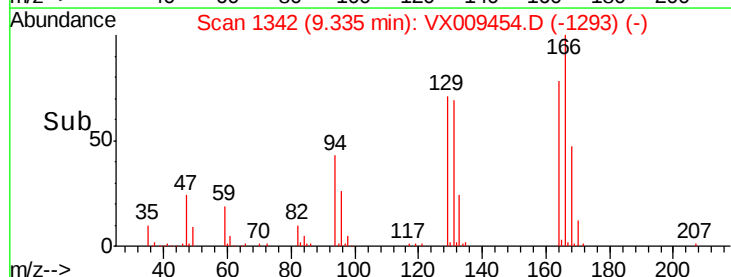
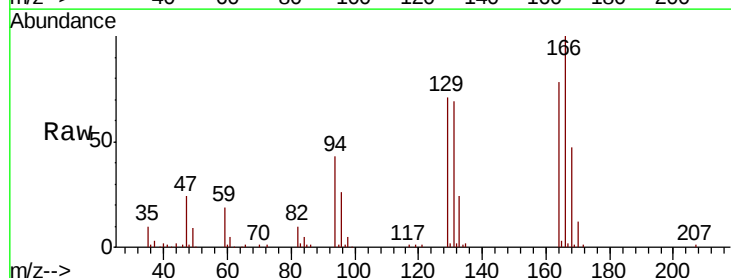
Instrument :
MSVOA_X
ClientSampled :

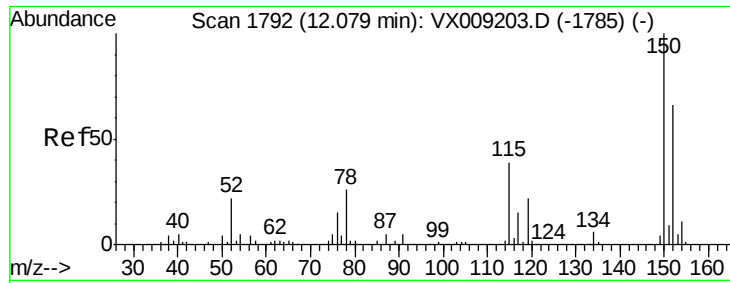
Tot Ion:117 Resp: 277477
Ion Ratio Lower Upper
117 100
82 58.6 48.8 73.2
119 32.3 25.8 38.6



#64
Tetrachloroethene
Concen: 8.206 ug/l
RT: 9.34 min Scan# 1342
Delta R.T. 0.00 min
Lab File: VX009454.D
Acq: 10 May 2019 02:17

Tgt Ion:164 Resp: 15619
Ion Ratio Lower Upper
164 100
166 128.9 101.2 151.8
129 91.5 74.3 111.5
131 88.6 71.0 106.6





#72

1,4-Dichlorobenzene-d4

Concen: 50.000 ug/l

RT: 12.08 min Scan# 1792

Delta R.T. 0.00 min

Lab File: VX009454.D

Acq: 10 May 2019 02:17

Instrument :

MSVOA_X

ClientSampleId :

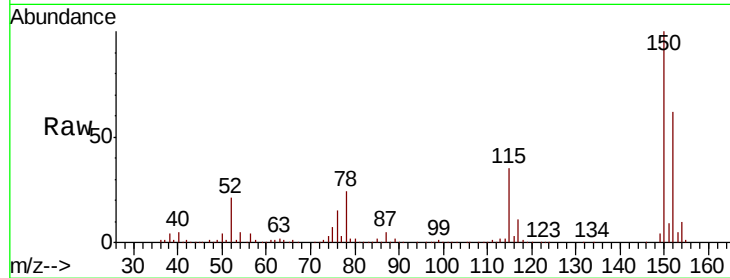
Tot Ion:152 Resp: 120133

Ion Ratio Lower Upper

152 100

115 58.3 41.2 123.6

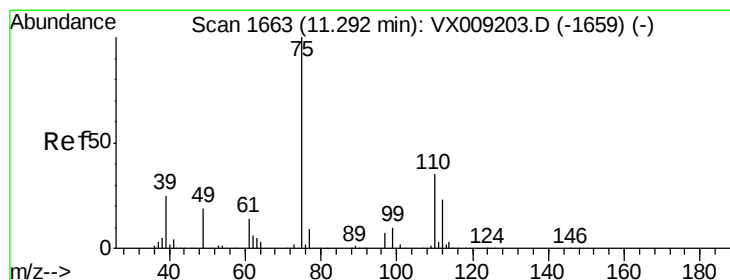
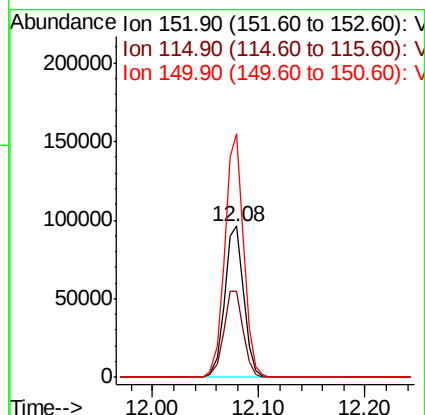
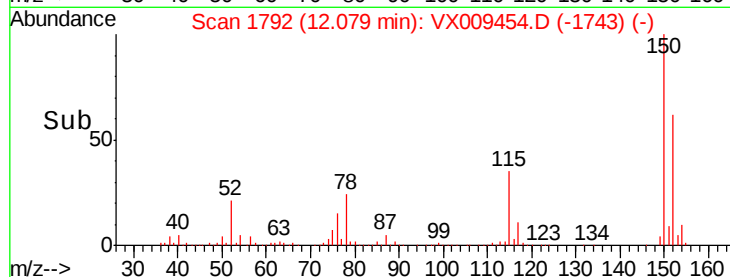
150 158.7 0.0 346.4



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: 23.828 ug/l

RT: 11.13 min Scan# 1637

Delta R.T. -0.16 min

Lab File: VX009454.D

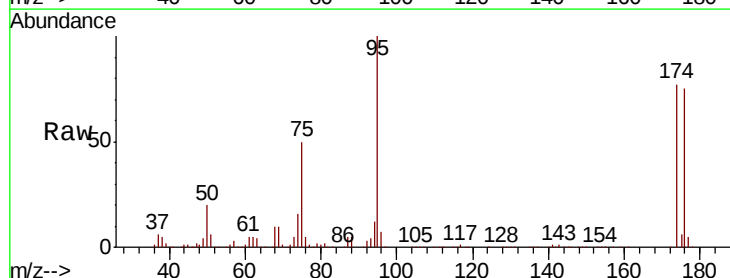
Acq: 10 May 2019 02:17

Tgt Ion: 75 Resp: 66399

Ion Ratio Lower Upper

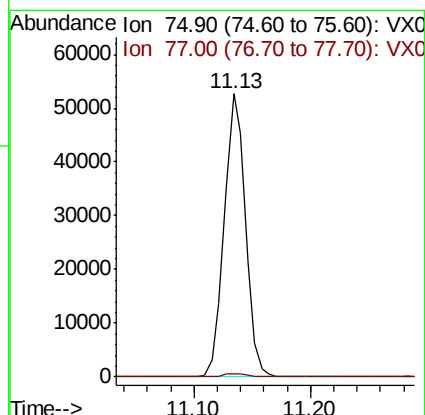
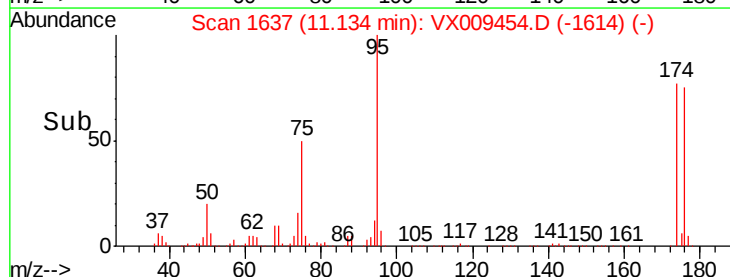
75 100

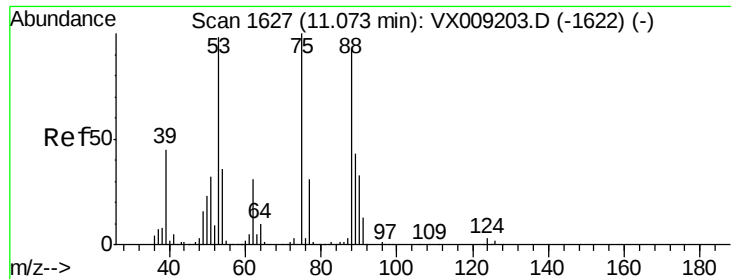
77 1.3 22.1 66.1#



Abundance Ion 74.90 (74.60 to 75.60): VX0

Ion 77.00 (76.70 to 77.70): VX0





#81

trans-1,4-Dichloro-2-butene

Concen: 60.966 ug/l

RT: 11.13 min Scan# 1637

Delta R.T. 0.06 min

Lab File: VX009454.D

Acq: 10 May 2019 02:17

Instrument :

MSVOA_X

ClientSampleId :

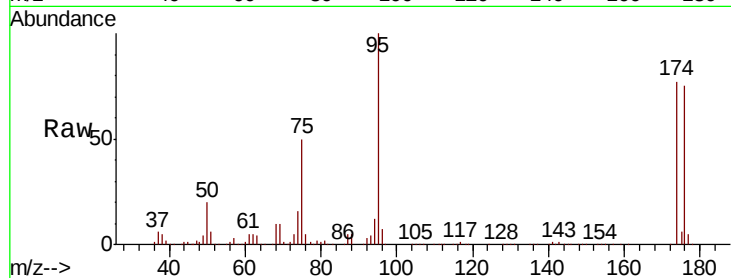
Tot Ion: 75 Resp: 66399

Ion Ratio Lower Upper

75 100

53 0.1 79.0 118.6#

89 0.0 34.7 52.1#



Abundance Ion 74.90 (74.60 to 75.60): VX0

Ion 53.00 (52.70 to 53.70): VX0

Ion 88.90 (88.60 to 89.60): VX0

