

Data Path : Z:\VOASRV\HPCHEM1\MSVOA X\DATA\WX050919\
 Data File : VX009449.D
 Acq On : 10 May 2019 00:20
 Operator : JC/SP
 Sample : K2782-01
 Misc : 5.0mL/MSVOA X/WATER
 ALS Vial : 37 Sample Multiplier: 1

Instrument :
 MSVOA_X
 ClientSampleId :

Quant Time: May 10 07:11:30 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	5.67	168	192139	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	6.86	114	305943	50.00	ug/l	0.00
63) Chlorobenzene-d5	10.11	117	271515	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	12.08	152	119119	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	125322	47.78	ug/l	0.00
Spiked Amount			Recovery	=	95.56%	
35) Dibromofluoromethane	5.49	113	94067	48.91	ug/l	0.00
Spiked Amount			Recovery	=	97.82%	
50) Toluene-d8	8.71	98	382788	49.30	ug/l	0.00
Spiked Amount			Recovery	=	98.60%	
62) 4-Bromofluorobenzene	11.13	95	130798	46.36	ug/l	0.00
Spiked Amount			Recovery	=	92.72%	

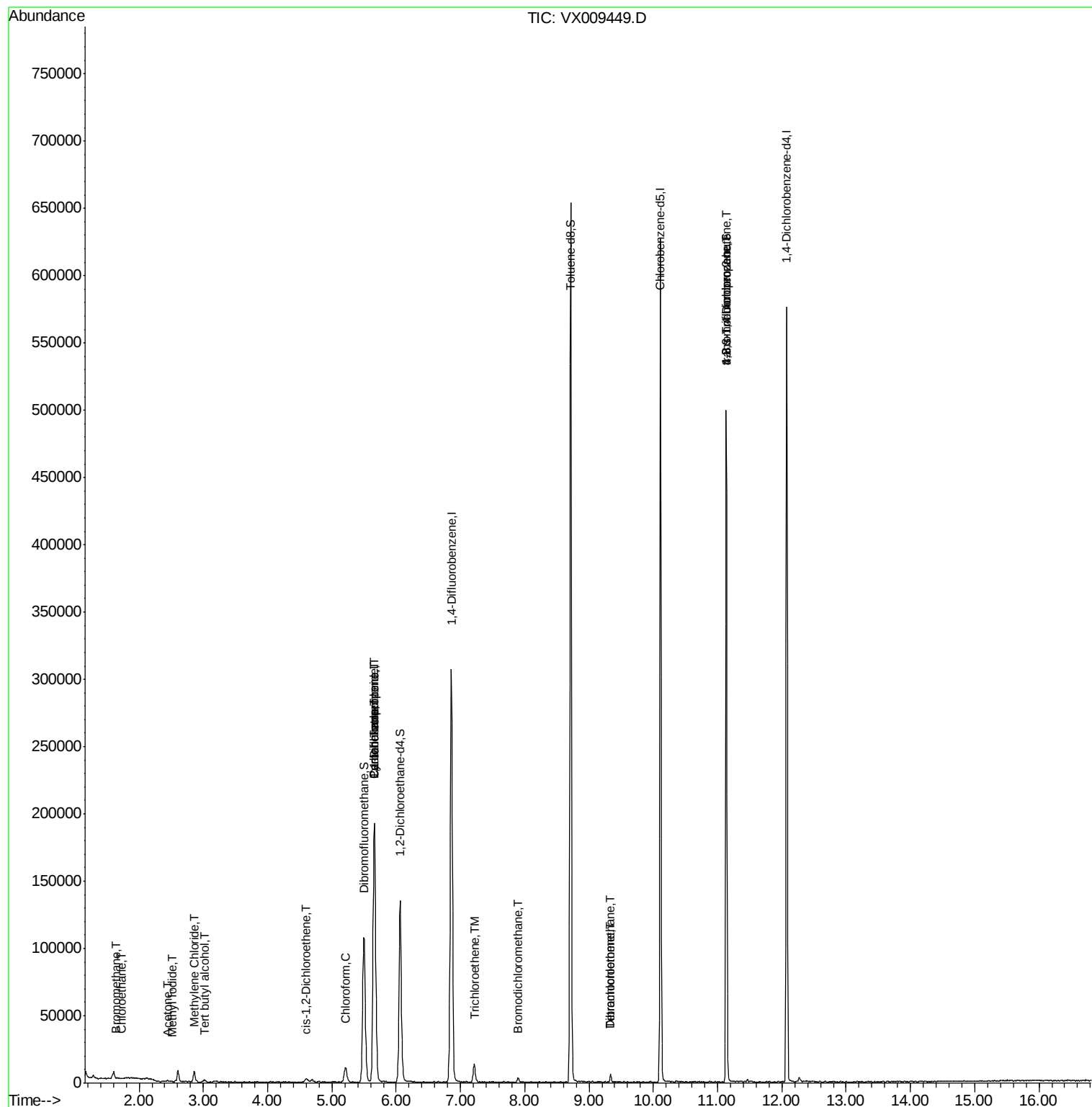
Target Compounds	R.T.	QIon	Response	Conc	Units	Qvalue
5) Bromomethane	1.65	94	320	0.226	ug/l	82
6) Chloroethane	1.73	64	323	0.213	ug/l #	43
10) Methyl Iodide	2.52	142	377	4.758	ug/l #	56
11) Tert butyl alcohol	3.01	59	956	1.575	ug/l #	79
16) Acetone	2.45	43	1333	0.946	ug/l #	88
20) Methylene Chloride	2.85	84	3737	1.639	ug/l	98
27) cis-1,2-Dichloroethene	4.60	96	1570	0.673	ug/l	85
28) Bromochloromethane	5.01	49	229	Below Cal	#	20
30) Chloroform	5.21	83	12798	3.395	ug/l	96
31) Cyclohexane	5.66	56	4253	1.097	ug/l #	1
36) 1,1-Dichloropropene	5.66	75	14983	5.270	ug/l #	50
38) Carbon Tetrachloride	5.66	117	17810	6.895	ug/l #	15
44) Trichloroethene	7.21	130	5392	2.535	ug/l	99
47) Bromodichloromethane	7.90	83	1731	0.600	ug/l	87
60) Dibromochloromethane	9.33	129	1052	0.494	ug/l #	11
64) Tetrachloroethene	9.34	164	1198	0.643	ug/l	87
76) 1,2,3-Trichloropropane	11.13	75	66009	23.889	ug/l #	34
81) trans-1,4-Dichloro-2-buten	11.13	75	66009	61.124	ug/l #	10

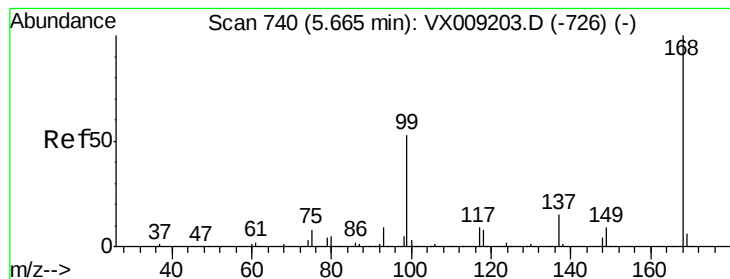
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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QLast Update : Thu May 09 07:31:15 2019
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#1

Pentafluorobenzene

Concen: 50.000 ug/l

RT: 5.67 min Scan# 740

Delta R.T. 0.00 min

Lab File: VX009449.D

Acq: 10 May 2019 00:20

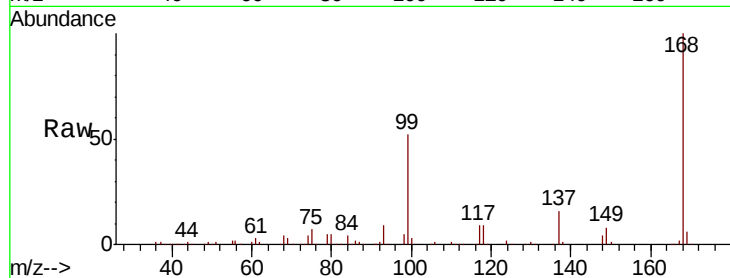
Instrument :
MSVOA_X
ClientSampleId :

Tot Ion:168 Resp: 192139

Ion Ratio Lower Upper

168 100

99 52.4 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

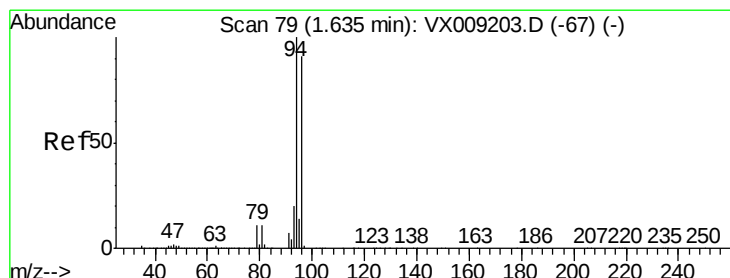
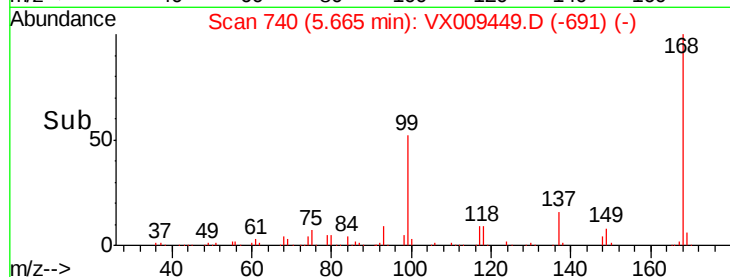
60000

40000

20000

0

Time--> 5.50 5.60 5.70 5.80



#5

Bromomethane

Concen: 0.226 ug/l

RT: 1.65 min Scan# 81

Delta R.T. 0.01 min

Lab File: VX009449.D

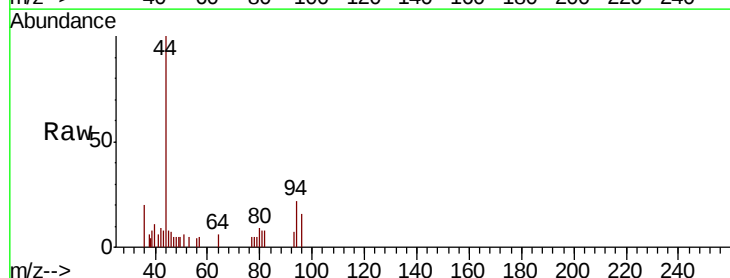
Acq: 10 May 2019 00:20

Tgt Ion: 94 Resp: 320

Ion Ratio Lower Upper

94 100

96 74.4 73.0 109.6



Abundance Ion 93.90 (93.60 to 94.60): VX0

Ion 95.90 (95.60 to 96.60): VX0

1.65

300

250

200

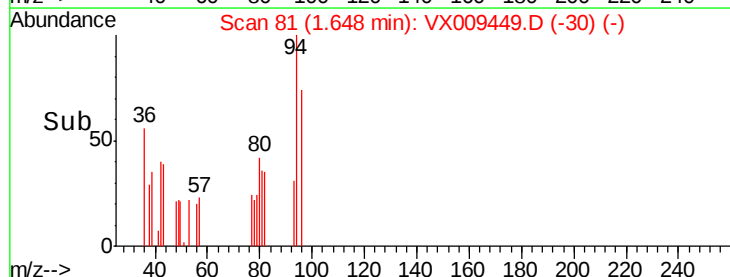
150

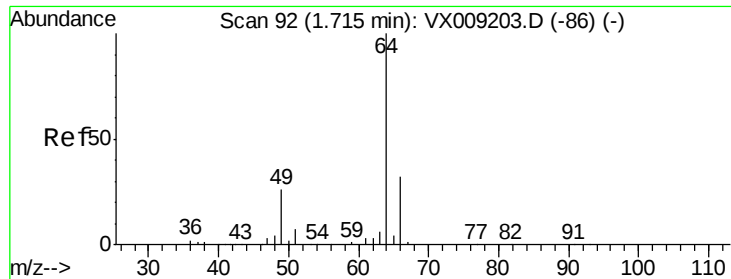
100

50

0

Time--> 1.60 1.62 1.64 1.66





#6

Chloroethane

Concen: 0.213 ug/l

RT: 1.73 min Scan# 94

Delta R.T. 0.01 min

Lab File: VX009449.D

Acq: 10 May 2019 00:20

Instrument :

MSVOA_X

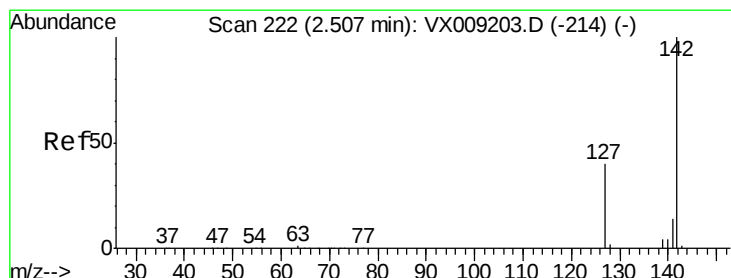
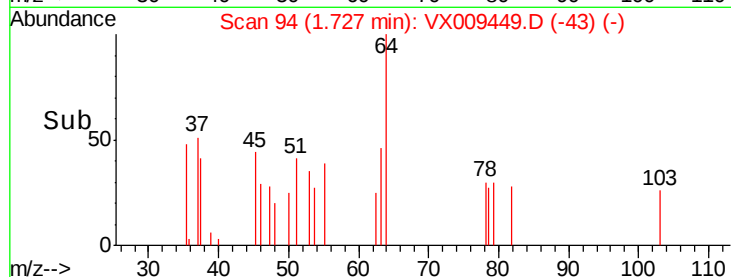
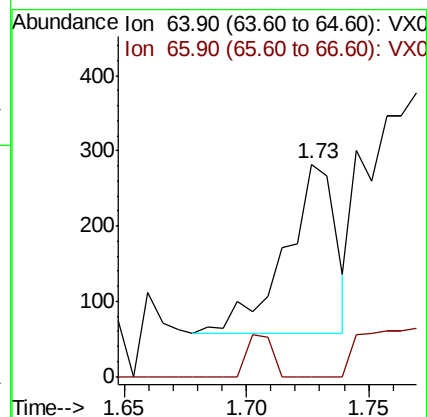
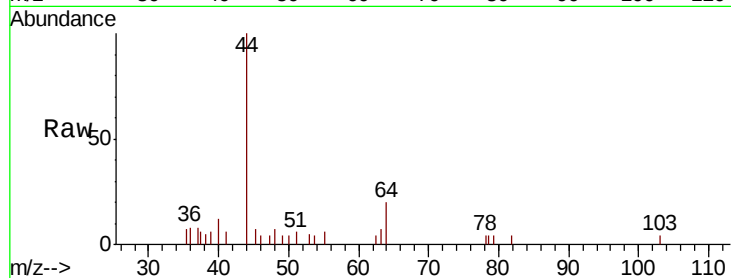
ClientSampled :

Tot Ion: 64 Resp: 323

Ion Ratio Lower Upper

64 100

66 0.0 25.3 37.9#



#10

Methyl Iodide

Concen: 4.758 ug/l

RT: 2.52 min Scan# 224

Delta R.T. 0.01 min

Lab File: VX009449.D

Acq: 10 May 2019 00:20

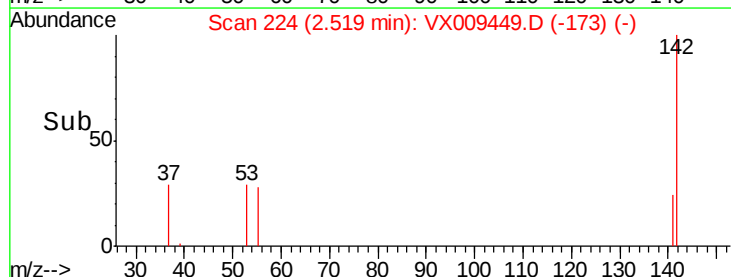
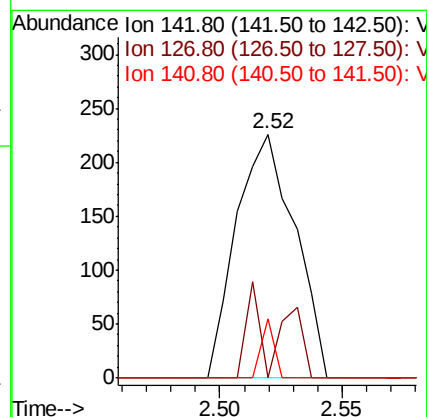
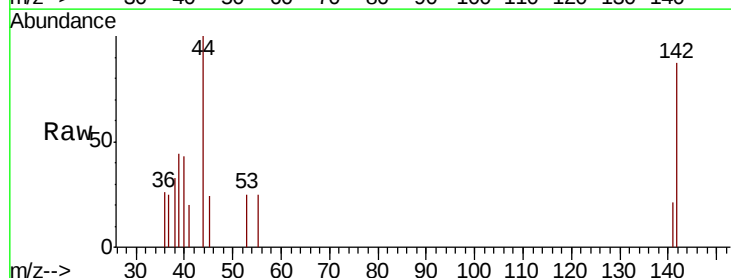
Tgt Ion: 142 Resp: 377

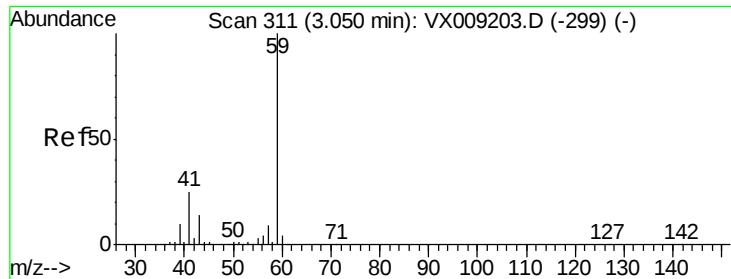
Ion Ratio Lower Upper

142 100

127 8.8 32.7 49.1#

141 5.3 11.5 17.3#

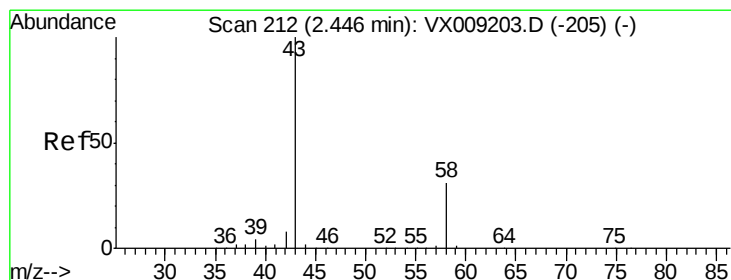
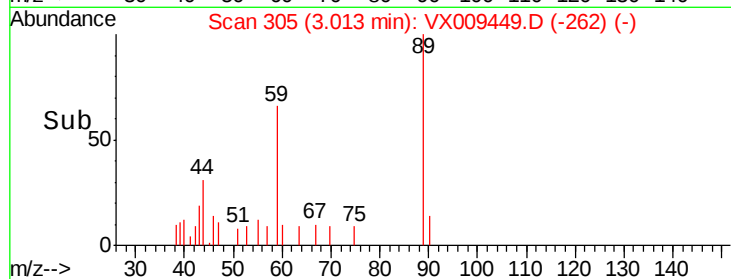
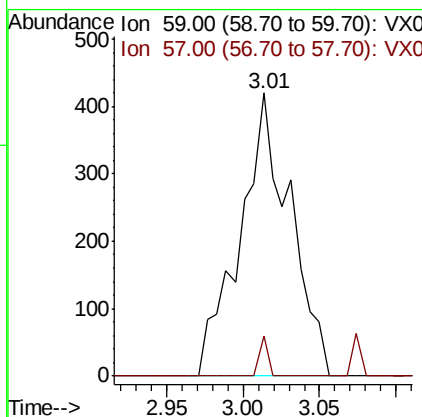
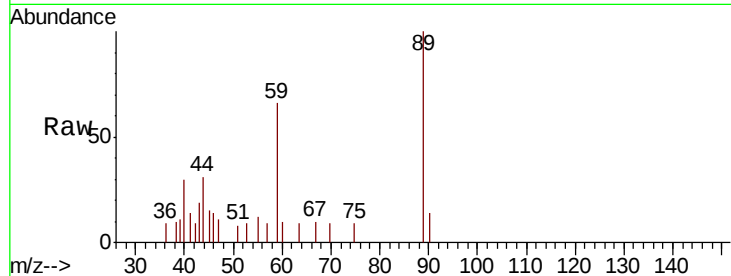




#11
Tert butyl alcohol
Concen: 1.575 ug/l
RT: 3.01 min Scan# 305
Delta R.T. -0.04 min
Lab File: VX009449.D
Acq: 10 May 2019 00:20

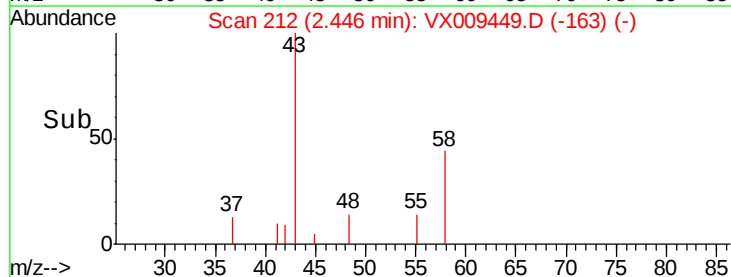
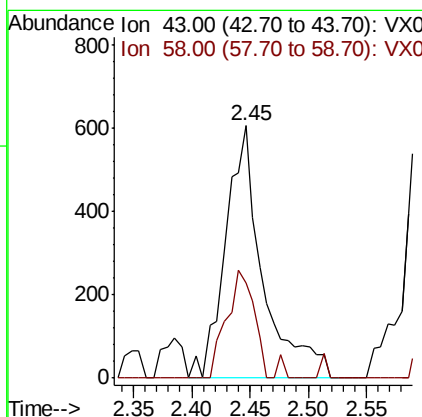
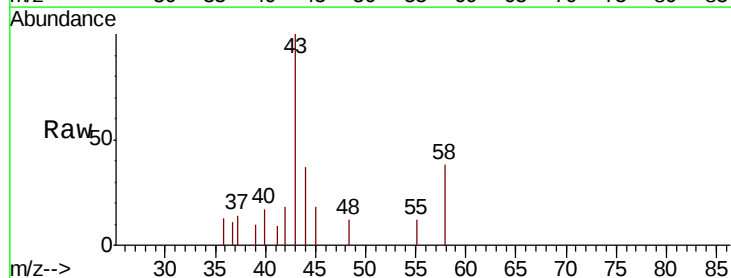
Instrument :
MSVOA_X
ClientSampled :

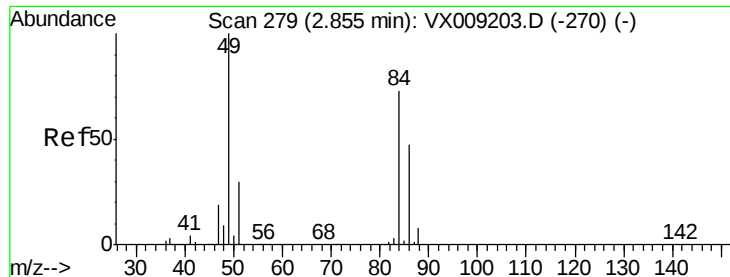
Tot Ion: 59 Resp: 956
Ion Ratio Lower Upper
59 100
57 2.3 8.2 12.2#



#16
Acetone
Concen: 0.946 ug/l
RT: 2.45 min Scan# 212
Delta R.T. 0.00 min
Lab File: VX009449.D
Acq: 10 May 2019 00:20

Tgt Ion: 43 Resp: 1333
Ion Ratio Lower Upper
43 100
58 37.7 24.9 37.3#

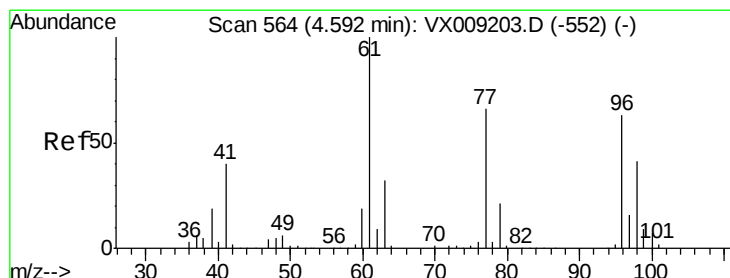
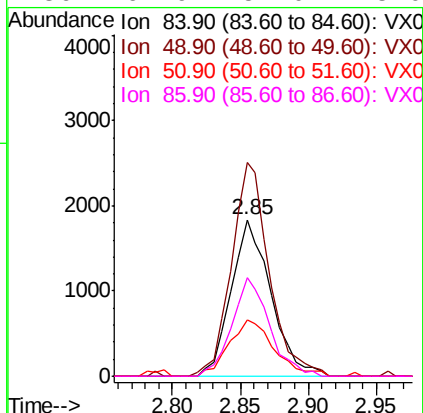
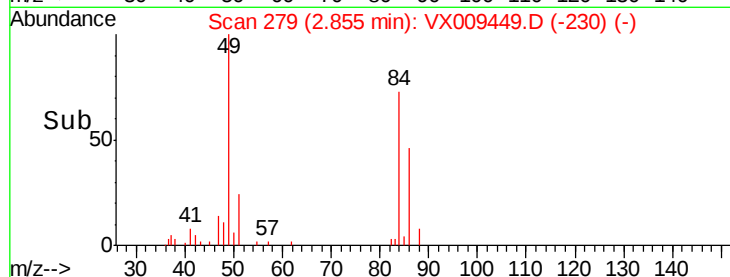
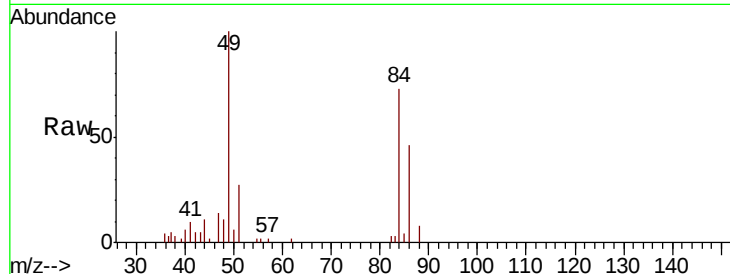




#20
Methvlene Chloride
Concen: 1.639 ug/l
RT: 2.85 min Scan# 279
Delta R.T. 0.00 min
Lab File: VX009449.D
Acq: 10 May 2019 00:20

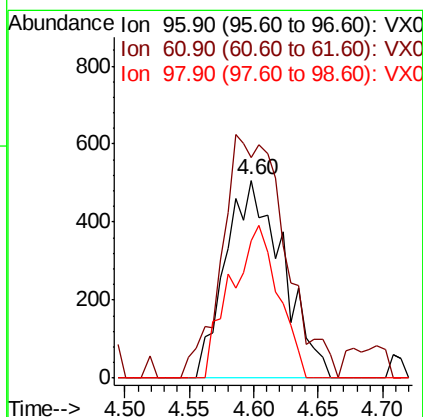
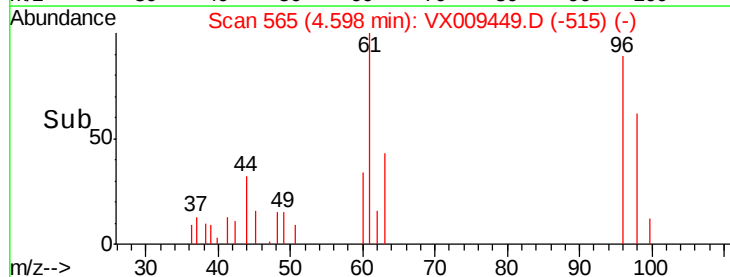
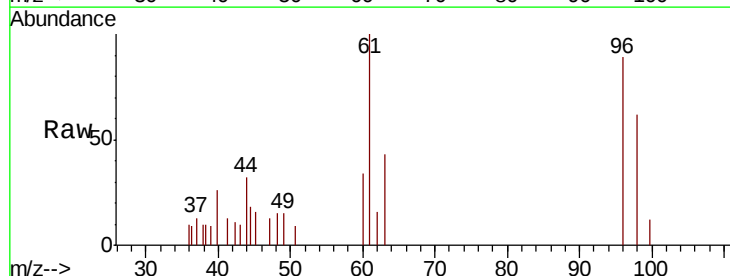
Instrument :
MSVOA_X
ClientSampleId :

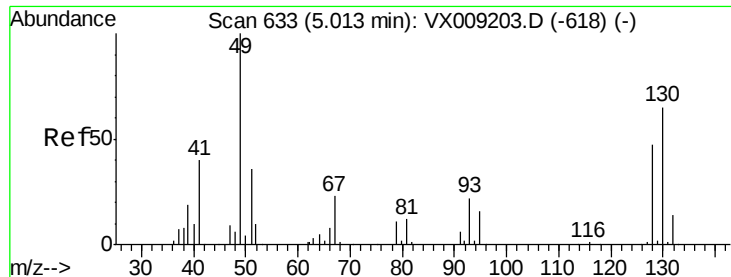
Tot Ion: 84 Resp: 3737
Ion Ratio Lower Upper
84 100
49 136.4 109.9 164.9
51 36.4 32.7 49.1
86 62.9 52.0 78.0



#27
cis-1,2-Dichloroethene
Concen: 0.673 ug/l
RT: 4.60 min Scan# 565
Delta R.T. 0.01 min
Lab File: VX009449.D
Acq: 10 May 2019 00:20

Tgt Ion: 96 Resp: 1570
Ion Ratio Lower Upper
96 100
61 134.3 0.0 324.0
98 64.1 0.0 130.4





#28

Bromochloromethane

Concen: Below Cal

RT: 5.01 min Scan# 633

Delta R.T. 0.00 min

Lab File: VX009449.D

Acq: 10 May 2019 00:20

Instrument :
MSVOA_X
ClientSampled :

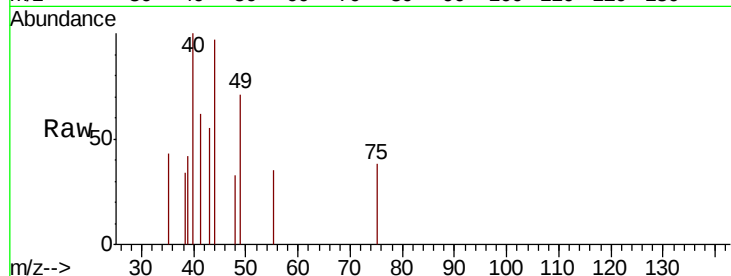
Tot Ion: 49 Resp: 229

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

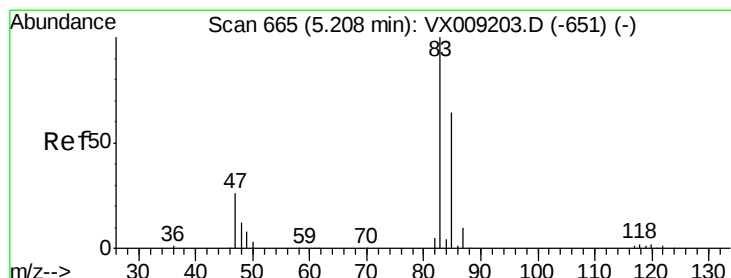
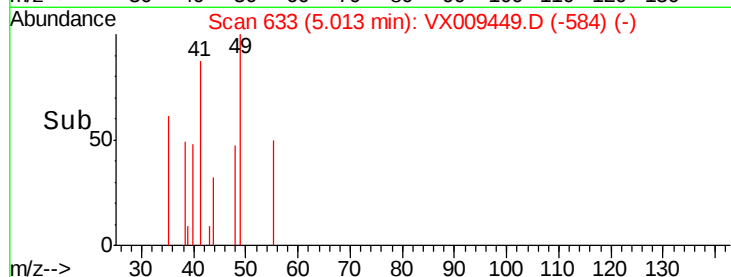
5.01

100

50

0

Time-->



#30

Chloroform

Concen: 3.395 ug/l

RT: 5.21 min Scan# 666

Delta R.T. 0.01 min

Lab File: VX009449.D

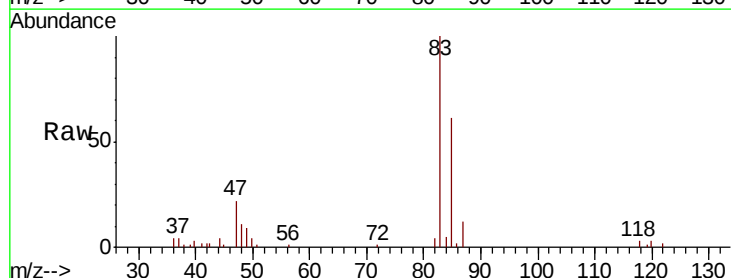
Acq: 10 May 2019 00:20

Tgt Ion: 83 Resp: 12798

Ion Ratio Lower Upper

83 100

85 61.4 51.5 77.3



Abundance Ion 82.90 (82.60 to 83.60): VX0

Ion 84.90 (84.60 to 85.60): VX0

5.21

4000

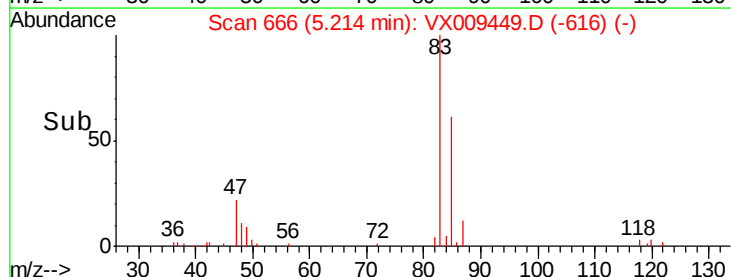
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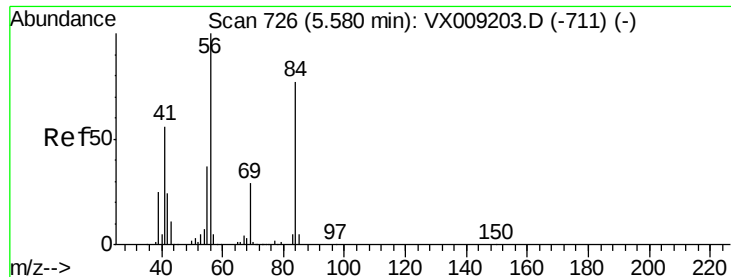
2000

1000

0

Time-->

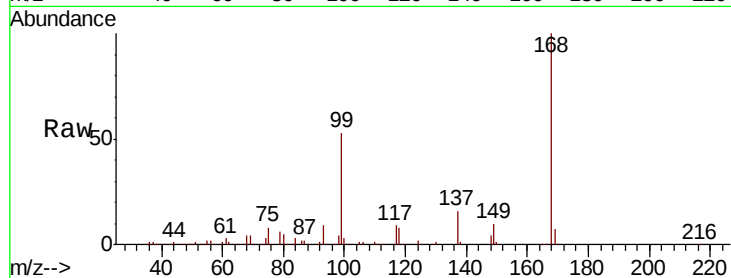




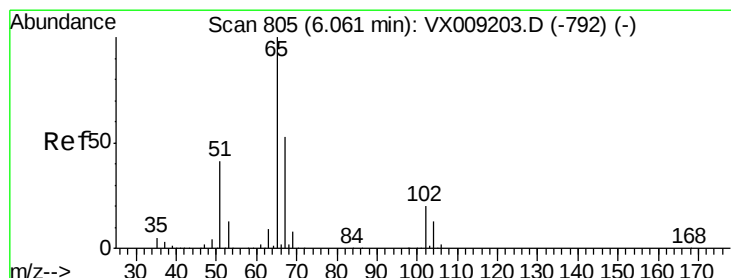
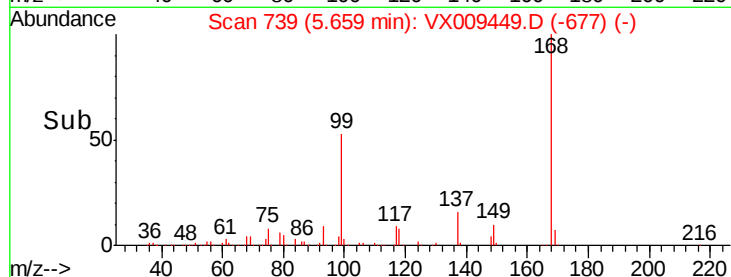
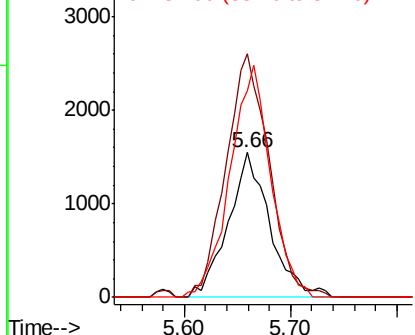
#31
Cyclohexane
Concen: 1.097 ug/l
RT: 5.66 min Scan# 739
Delta R.T. 0.08 min
Lab File: VX009449.D
Acq: 10 May 2019 00:20

Instrument :
MSVOA_X
ClientSampleId :

Tot Ion: 56 Resp: 4253
Ion Ratio Lower Upper
56 100
69 168.5 23.4 35.0#
84 143.0 61.9 92.9#

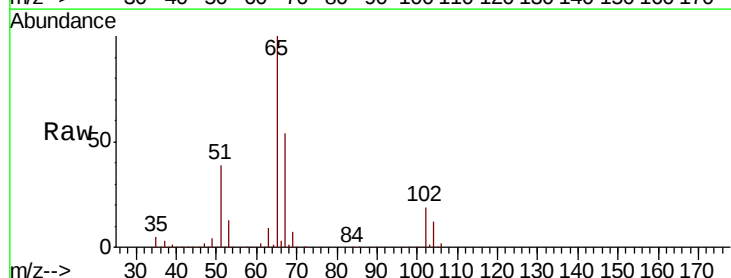


Abundance Ion 56.00 (55.70 to 56.70): VX0
Ion 69.00 (68.70 to 69.70): VX0
Ion 84.00 (83.70 to 84.70): VX0

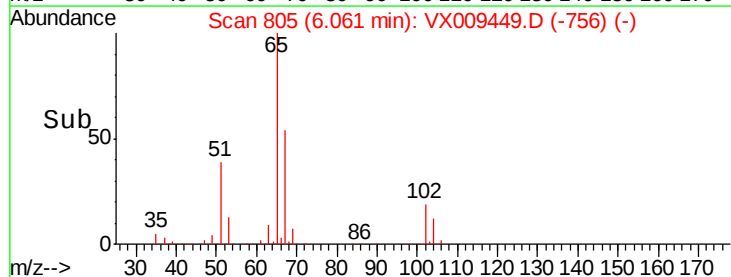
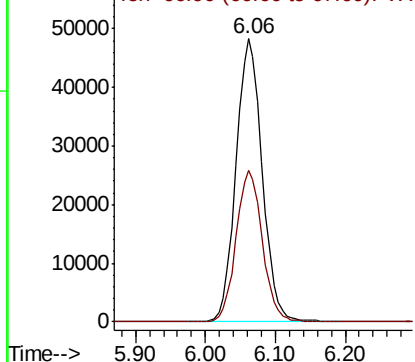


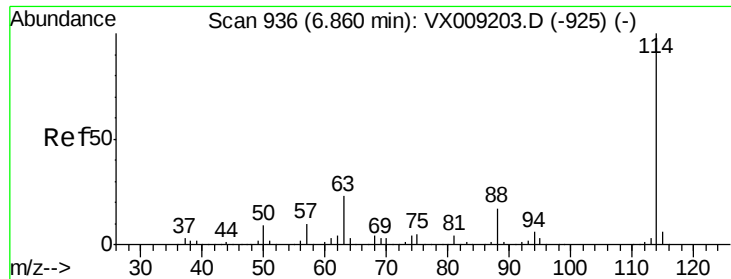
#33
1,2-Dichloroethane-d4
Concen: 47.779 ug/l
RT: 6.06 min Scan# 805
Delta R.T. 0.00 min
Lab File: VX009449.D
Acq: 10 May 2019 00:20

Tgt Ion: 65 Resp: 125322
Ion Ratio Lower Upper
65 100
67 53.9 0.0 106.6



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

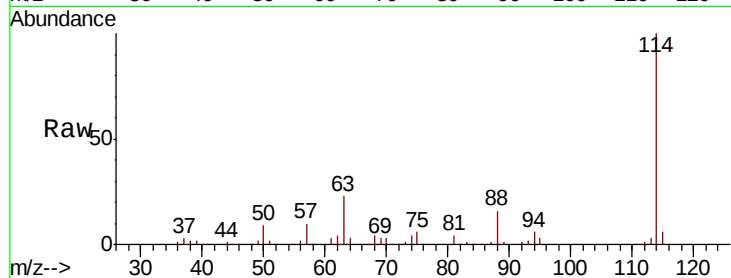




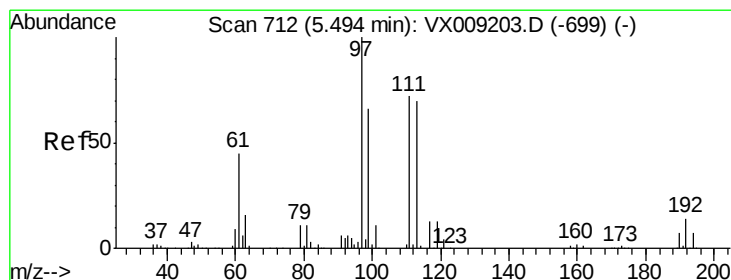
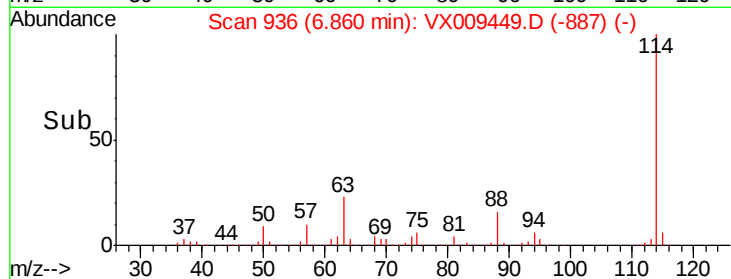
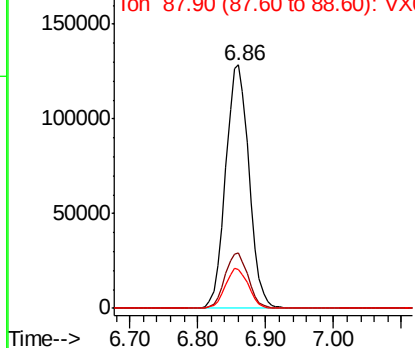
#34
1,4-Difluorobenzene
Concen: 50.000 ug/l
RT: 6.86 min Scan# 936
Delta R.T. 0.00 min
Lab File: VX009449.D
Acq: 10 May 2019 00:20

Instrument :
MSVOA_X
ClientSampleId :

Tot Ion:114 Resp: 305943
Ion Ratio Lower Upper
114 100
63 23.0 0.0 45.6
88 16.2 0.0 33.2

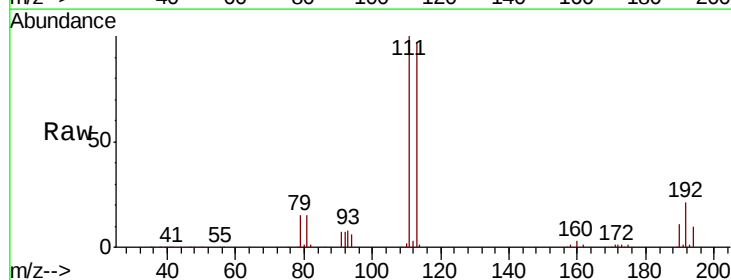


Abundance Ion 113.90 (113.60 to 114.60): V
Ion 63.00 (62.70 to 63.70): VX0
Ion 87.90 (87.60 to 88.60): VX0

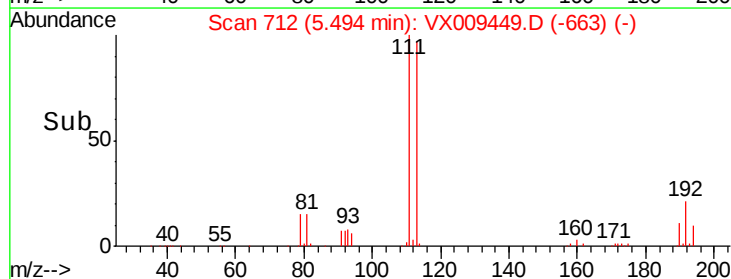
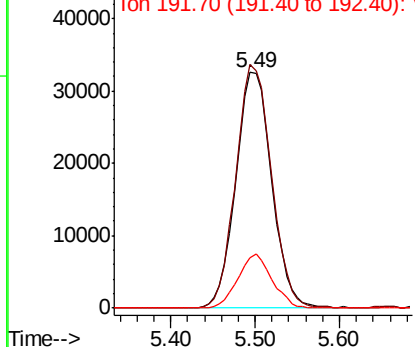


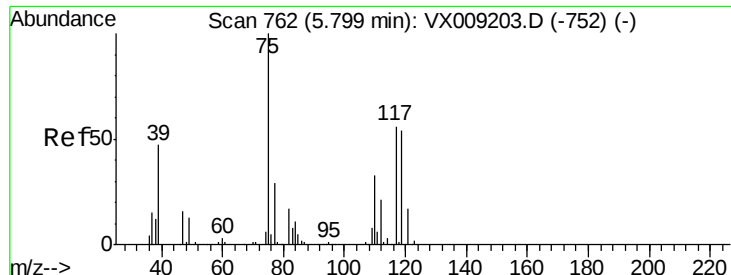
#35
Dibromofluoromethane
Concen: 48.910 ug/l
RT: 5.49 min Scan# 712
Delta R.T. 0.00 min
Lab File: VX009449.D
Acq: 10 May 2019 00:20

Tgt Ion:113 Resp: 94067
Ion Ratio Lower Upper
113 100
111 102.5 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: 5.270 ug/l

RT: 5.66 min Scan# 739

Delta R.T. -0.14 min

Lab File: VX009449.D

Acq: 10 May 2019 00:20

Instrument :

MSVOA_X

ClientSampleId :

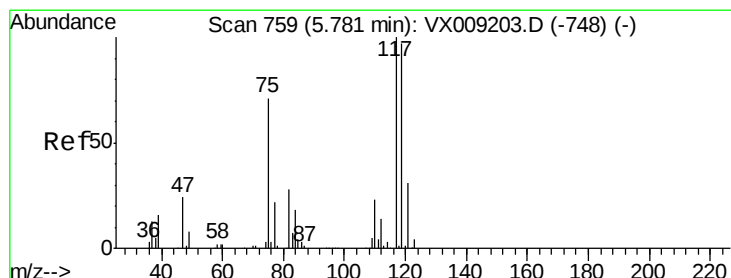
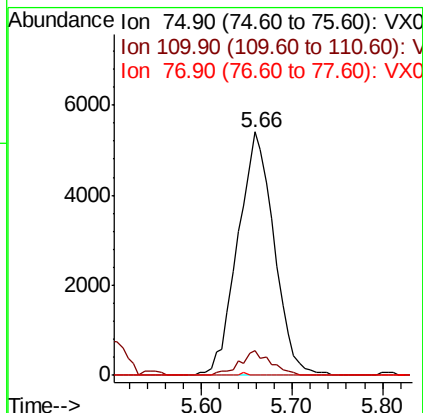
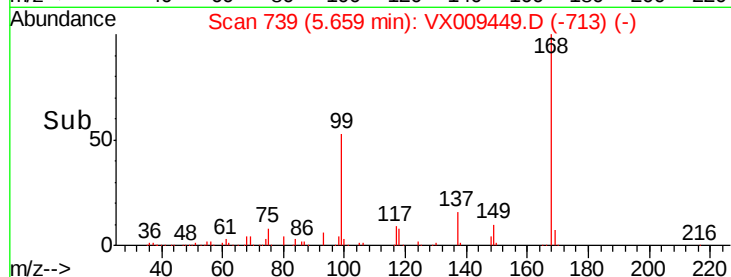
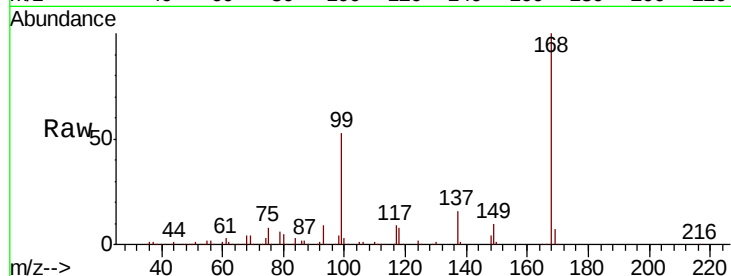
Tot Ion: 75 Resp: 14983

Ion Ratio Lower Upper

75 100

110 8.7 16.9 50.6#

77 0.1 24.8 37.2#



#38

Carbon Tetrachloride

Concen: 6.895 ug/l

RT: 5.66 min Scan# 739

Delta R.T. -0.12 min

Lab File: VX009449.D

Acq: 10 May 2019 00:20

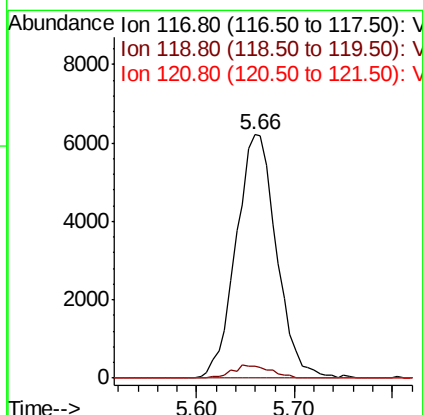
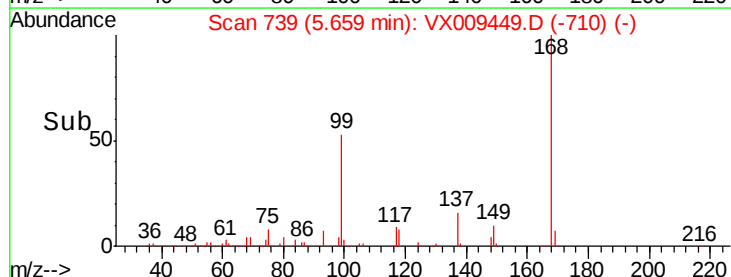
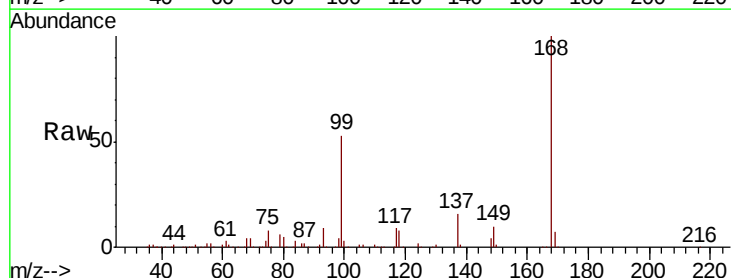
Tgt Ion: 117 Resp: 17810

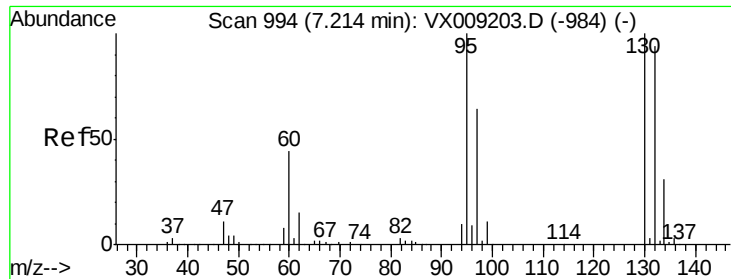
Ion Ratio Lower Upper

117 100

119 5.0 77.5 116.3#

121 0.0 24.7 37.1#

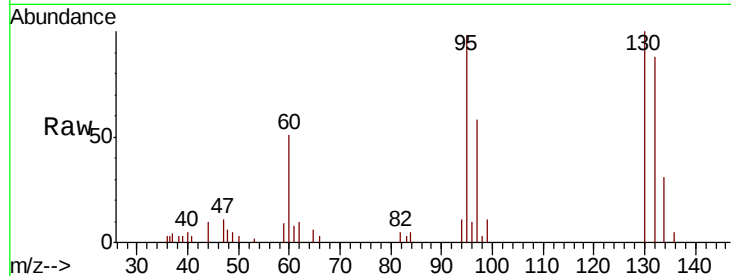




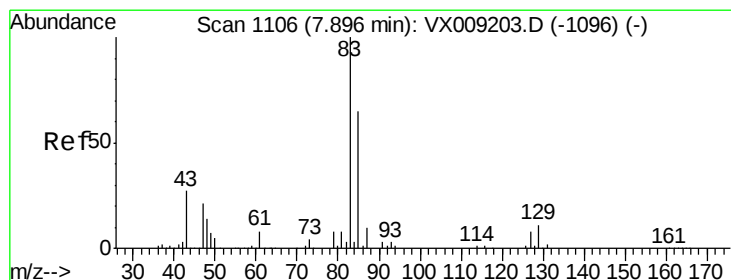
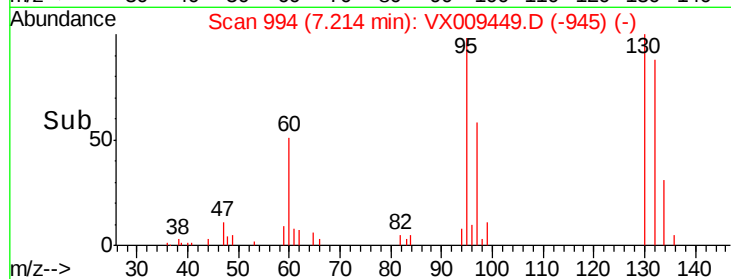
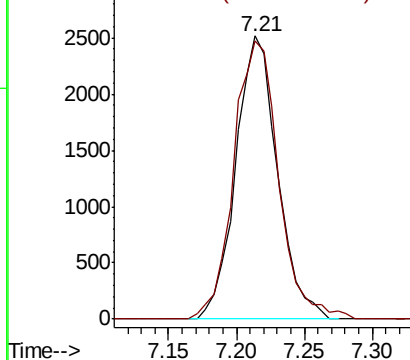
#44
 Trichloroethene
 Concen: 2.535 ug/l
 RT: 7.21 min Scan# 994
 Delta R.T. 0.00 min
 Lab File: VX009449.D
 Acq: 10 May 2019 00:20

Instrument :
 MSVOA_X
 ClientSampled :

Tot Ion:130 Resp: 5392
 Ion Ratio Lower Upper
 130 100
 95 98.4 0.0 199.2

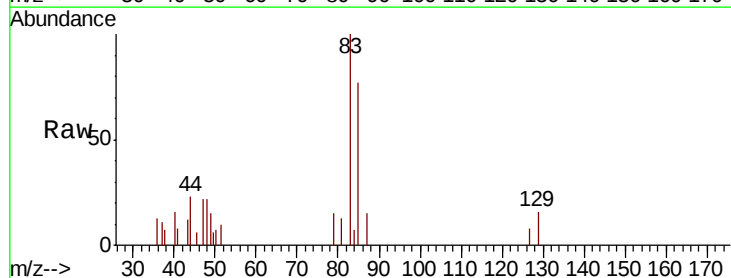


Abundance Ion 129.80 (129.50 to 130.50): V
 Ion 94.90 (94.60 to 95.60): VX0

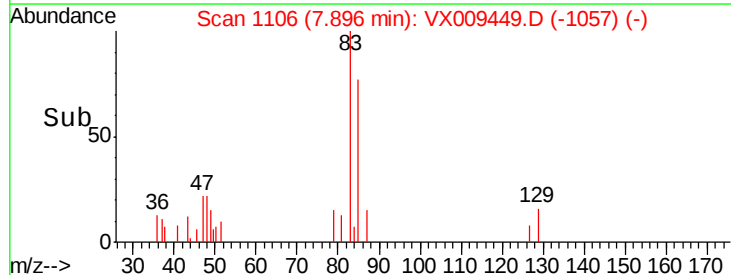
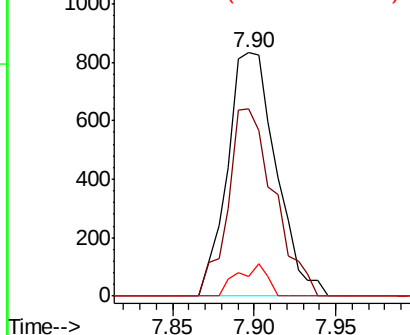


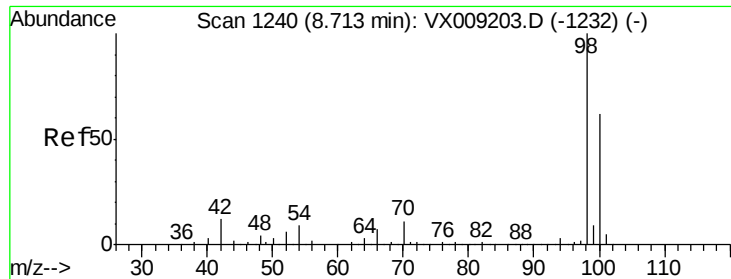
#47
 Bromodichloromethane
 Concen: 0.600 ug/l
 RT: 7.90 min Scan# 1106
 Delta R.T. 0.00 min
 Lab File: VX009449.D
 Acq: 10 May 2019 00:20

Tgt Ion: 83 Resp: 1731
 Ion Ratio Lower Upper
 83 100
 85 77.1 52.4 78.6
 127 8.0 6.6 10.0



Abundance Ion 82.90 (82.60 to 83.60): VX0
 Ion 84.90 (84.60 to 85.60): VX0
 Ion 126.80 (126.50 to 127.50): V





#50

Toluene-d8

Concen: 49.298 ug/l

RT: 8.71 min Scan# 1240

Delta R.T. 0.00 min

Lab File: VX009449.D

Acq: 10 May 2019 00:20

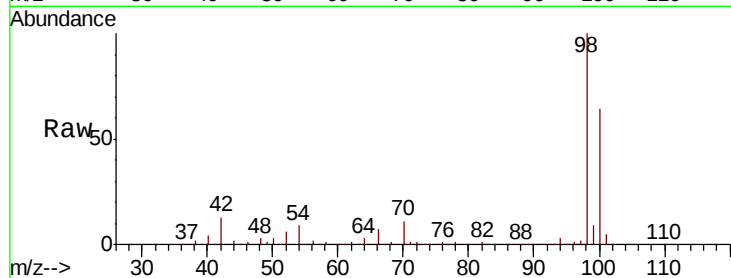
Instrument :
MSVOA_X
ClientSampled :

Tot Ion: 98 Resp: 382788

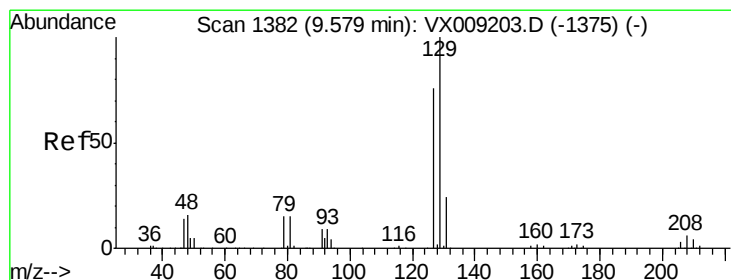
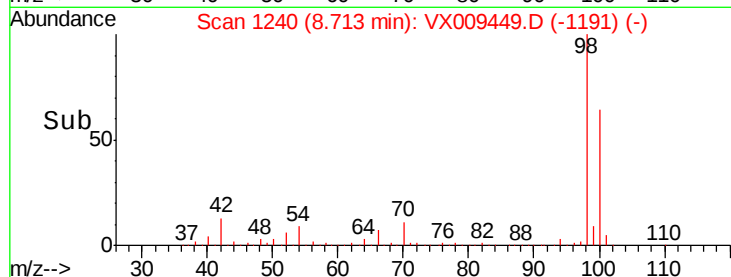
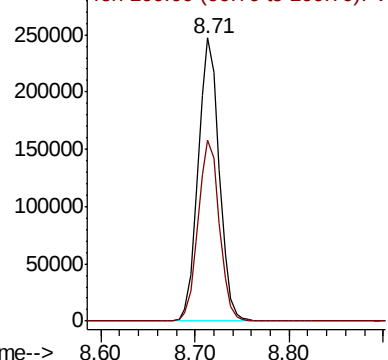
Ion Ratio Lower Upper

98 100

100 64.5 51.2 76.8



Abundance Ion 98.00 (97.70 to 98.70): VX009449.D (-1191) (-)



#60

Dibromochloromethane

Concen: 0.494 ug/l

RT: 9.33 min Scan# 1341

Delta R.T. -0.25 min

Lab File: VX009449.D

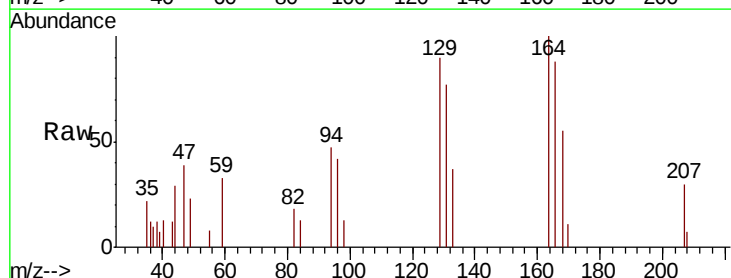
Acq: 10 May 2019 00:20

Tgt Ion: 129 Resp: 1052

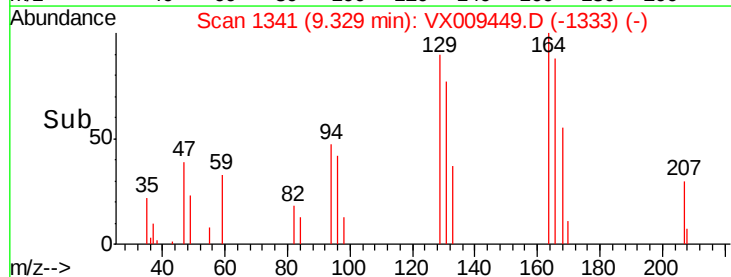
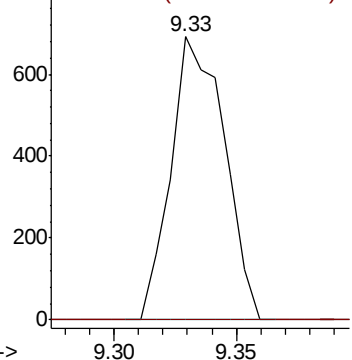
Ion Ratio Lower Upper

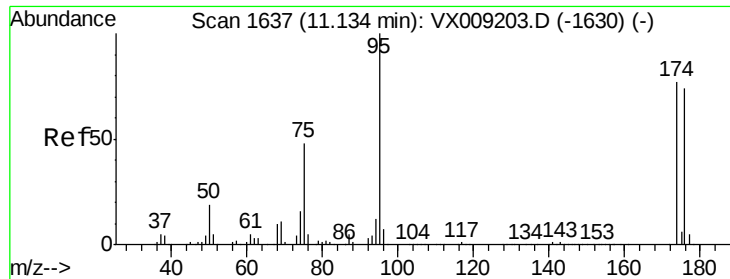
129 100

127 0.0 38.4 115.1#



Abundance Ion 128.80 (128.50 to 129.50): VX009449.D (-1333) (-)





#62

4-Bromofluorobenzene

Concen: 46.359 ug/l

RT: 11.13 min Scan# 1637

Delta R.T. 0.00 min

Lab File: VX009449.D

Acq: 10 May 2019 00:20

Instrument :

MSVOA_X

ClientSampleId :

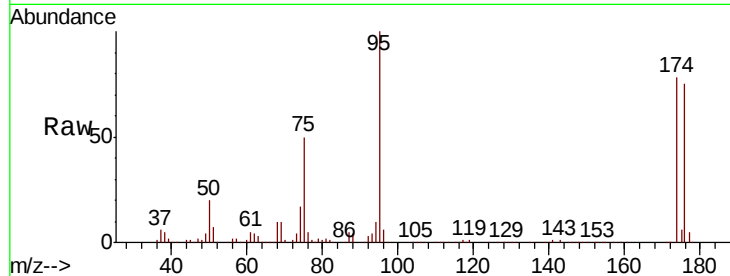
Tot Ion: 95 Resp: 130798

Ion Ratio Lower Upper

95 100

174 81.7 0.0 161.6

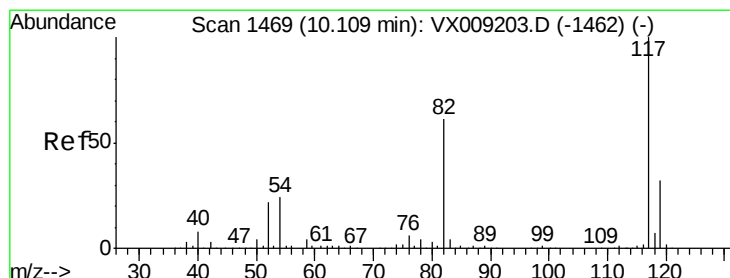
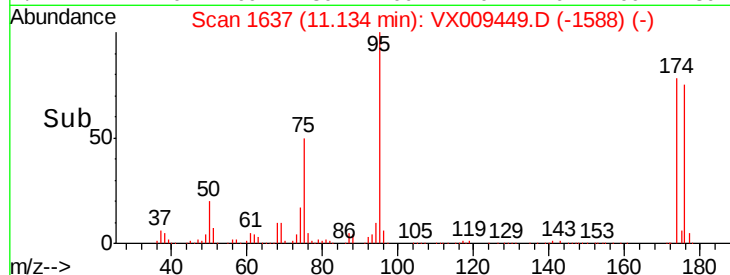
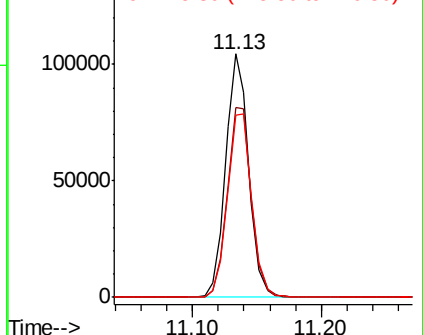
176 79.9 0.0 159.2



Abundance Ion 94.90 (94.60 to 95.60): VX009449.D (-1588) (-)

Ion 173.80 (173.50 to 174.50): VX009449.D (-1588) (-)

Ion 175.80 (175.50 to 176.50): VX009449.D (-1588) (-)



#63

Chlorobenzene-d5

Concen: 50.000 ug/l

RT: 10.11 min Scan# 1469

Delta R.T. 0.00 min

Lab File: VX009449.D

Acq: 10 May 2019 00:20

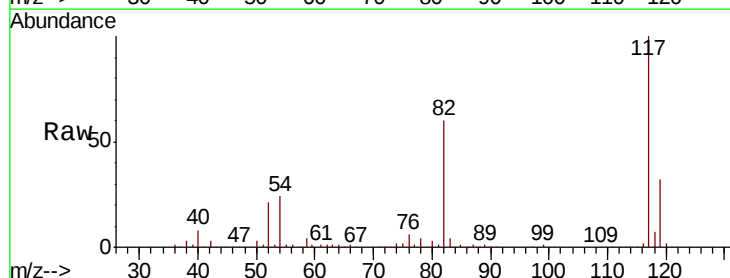
Tgt Ion: 117 Resp: 271515

Ion Ratio Lower Upper

117 100

82 59.8 48.8 73.2

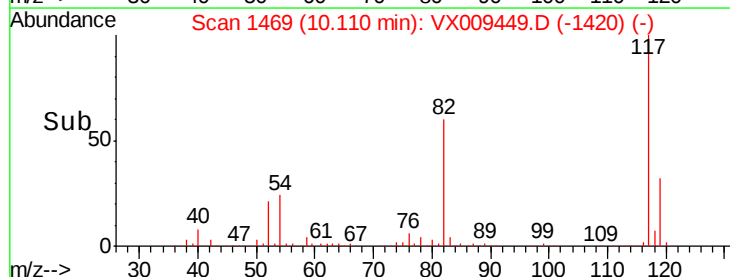
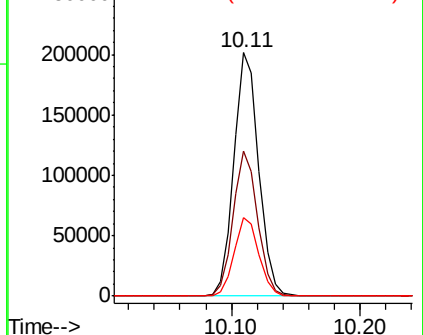
119 32.0 25.8 38.6

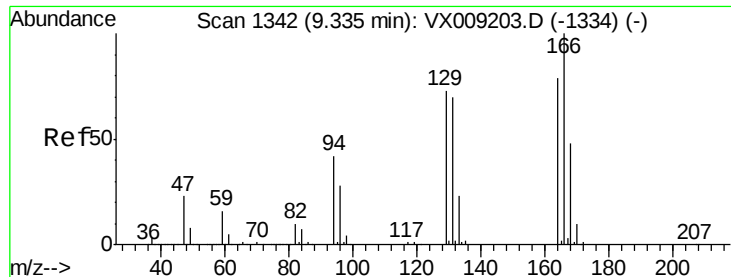


Abundance Ion 116.90 (116.60 to 117.60): VX009449.D (-1420) (-)

Ion 82.00 (81.70 to 82.70): VX009449.D (-1420) (-)

Ion 118.90 (118.60 to 119.60): VX009449.D (-1420) (-)





#64

Tetrachloroethene

Concen: 0.643 ug/l

RT: 9.34 min Scan# 1342

Delta R.T. 0.00 min

Lab File: VX009449.D

Acq: 10 May 2019 00:20

Instrument :
MSVOA_X
ClientSampleId :

Tot Ion:164 Resp: 1198

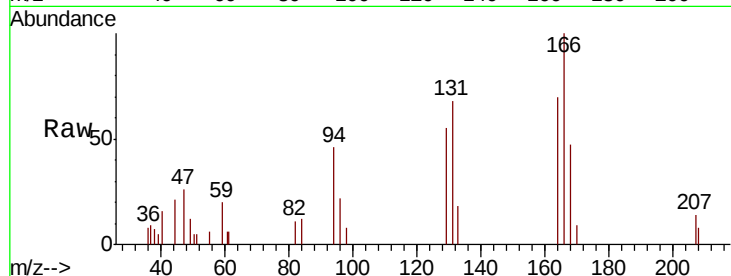
Ion Ratio Lower Upper

164 100

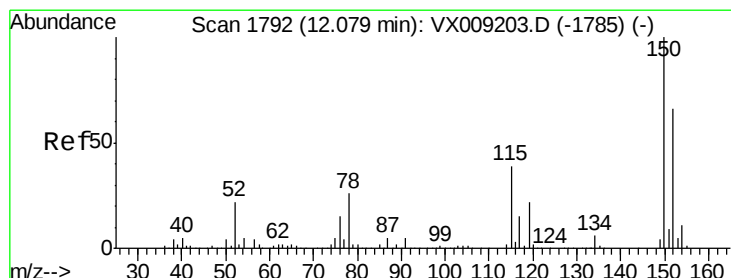
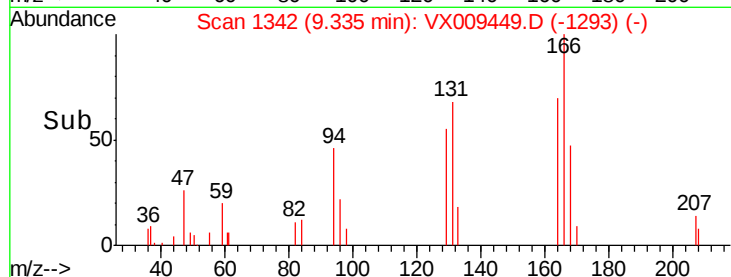
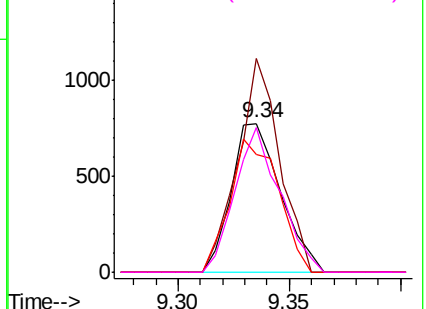
166 143.2 101.2 151.8

129 78.9 74.3 111.5

131 97.3 71.0 106.6



Abundance Ion 163.80 (163.50 to 164.50): V
Ion 165.80 (165.50 to 166.50): V
Ion 128.80 (128.50 to 129.50): V
Ion 130.80 (130.50 to 131.50): 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: VX009449.D

Acq: 10 May 2019 00:20

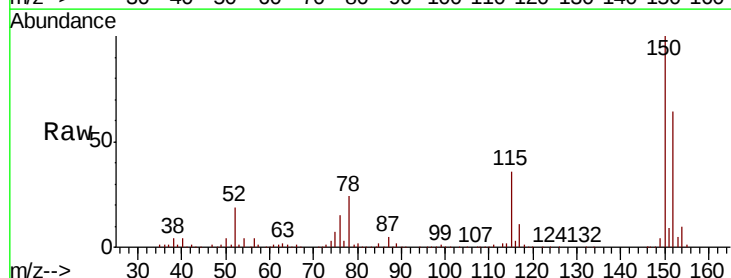
Tgt Ion:152 Resp: 119119

Ion Ratio Lower Upper

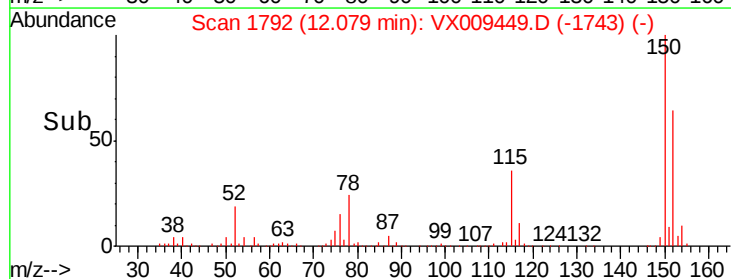
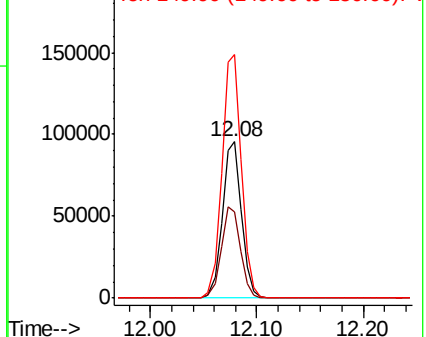
152 100

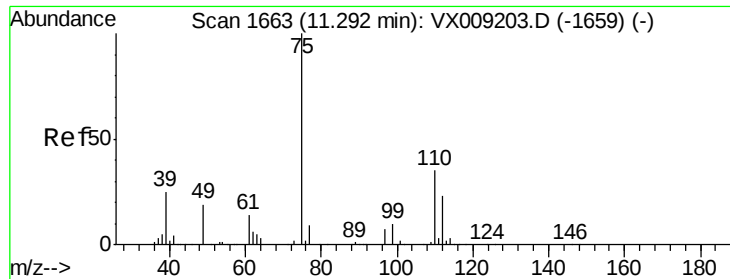
115 58.8 41.2 123.6

150 158.4 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: 23.889 ug/l

RT: 11.13 min Scan# 1637

Delta R.T. -0.16 min

Lab File: VX009449.D

Acq: 10 May 2019 00:20

Instrument :

MSVOA_X

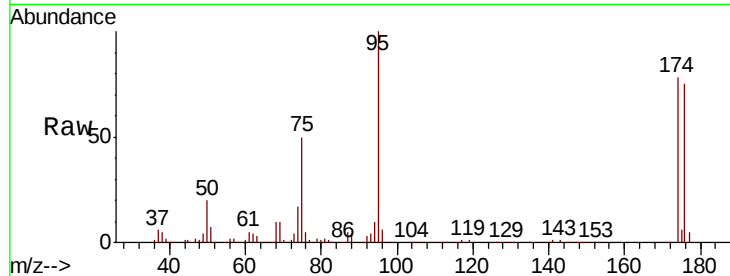
ClientSampleId :

Tot Ion: 75 Resp: 66009

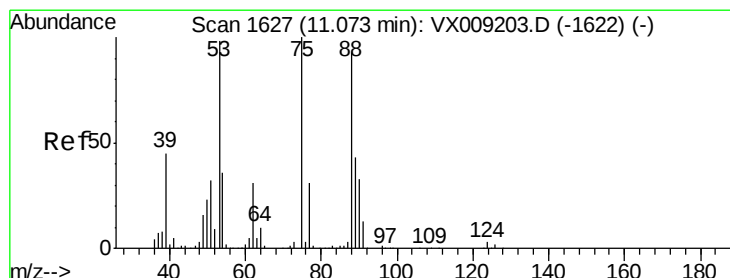
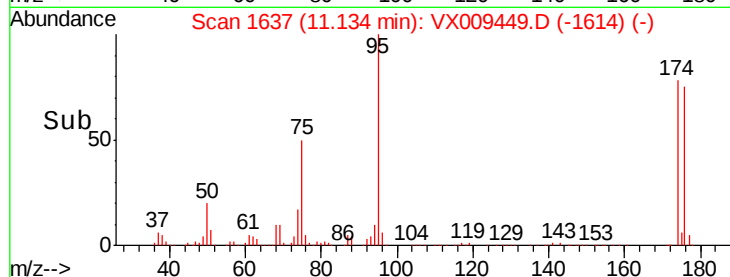
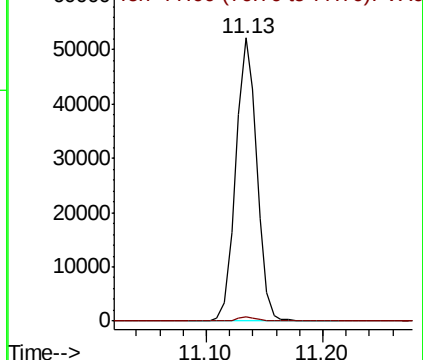
Ion Ratio Lower Upper

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: 61.124 ug/l

RT: 11.13 min Scan# 1637

Delta R.T. 0.06 min

Lab File: VX009449.D

Acq: 10 May 2019 00:20

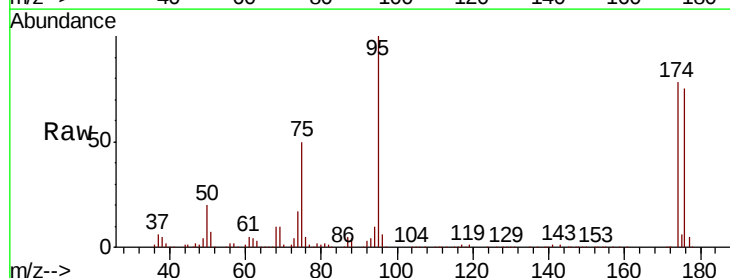
Tgt Ion: 75 Resp: 66009

Ion Ratio Lower Upper

75 100

53 0.0 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

