

Data Path : Z:\VOASRV\HPCHEM1\MSVOA X\DATA\VX050919\
 Data File : VX009463.D
 Acq On : 10 May 2019 05:46
 Operator : JC/SP
 Sample : K2782-18
 Misc : 5.0mL/MSVOA X/WATER
 ALS Vial : 51 Sample Multiplier: 1

Instrument :
 MSVOA_X
 ClientSampleId :

Quant Time: May 10 07:14:08 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	184852	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	6.86	114	298975	50.00	ug/l	0.00
63) Chlorobenzene-d5	10.11	117	258717	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	12.08	152	111388	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	122311	48.47	ug/l	0.00
Spiked Amount			Recovery	=	96.94%	
35) Dibromofluoromethane	5.50	113	90953	48.39	ug/l	0.00
Spiked Amount			Recovery	=	96.78%	
50) Toluene-d8	8.71	98	368493	48.56	ug/l	0.00
Spiked Amount			Recovery	=	97.12%	
62) 4-Bromofluorobenzene	11.13	95	120370	43.66	ug/l	0.00
Spiked Amount			Recovery	=	87.32%	

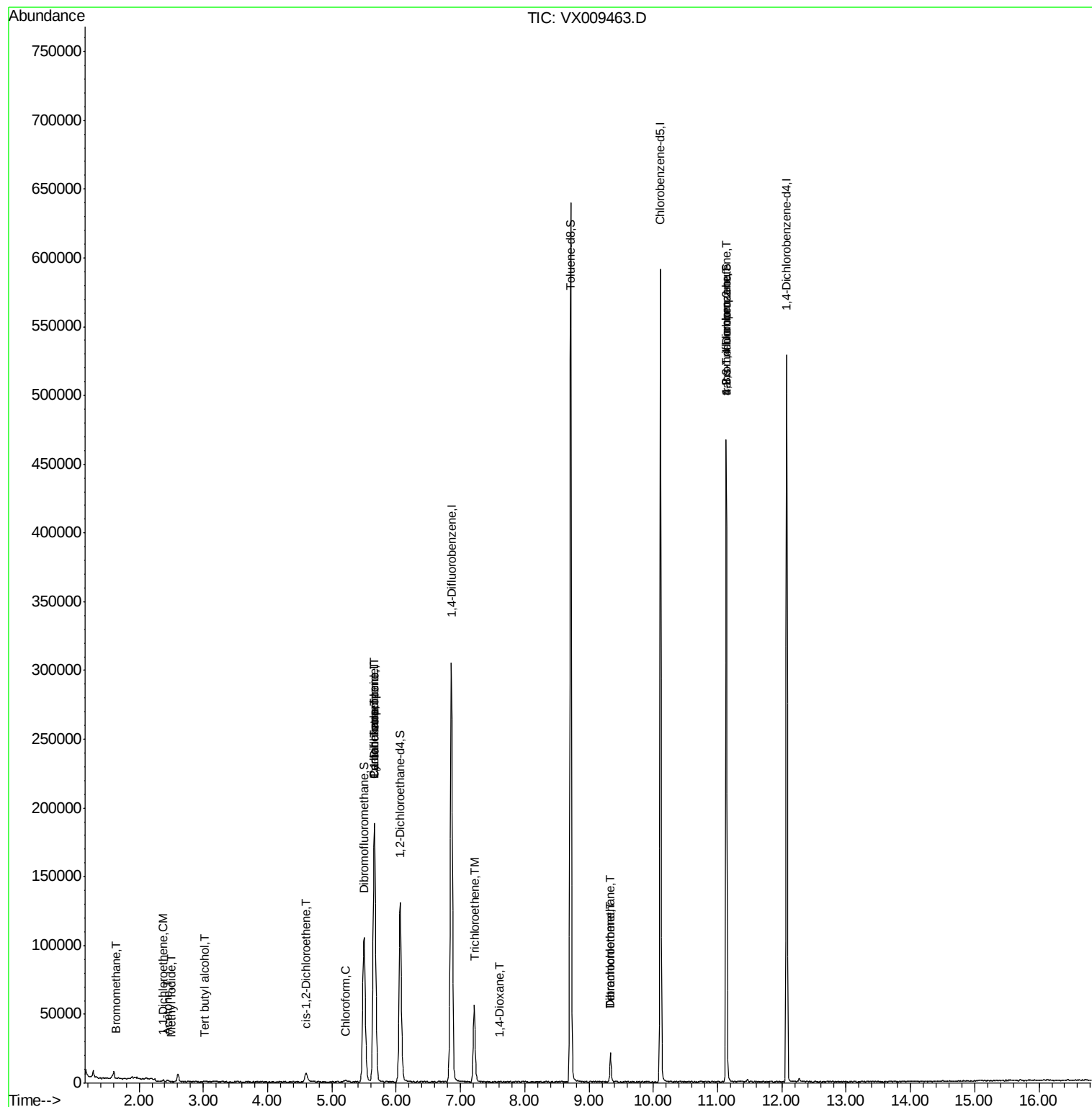
Target Compounds	R.T.	QIon	Response	Conc	Units	Qvalue
5) Bromomethane	1.65	94	303	0.223	ug/l #	60
10) Methyl Iodide	2.51	142	98	4.638	ug/l #	75
11) Tert butyl alcohol	3.03	59	375	0.642	ug/l #	90
12) 1,1-Dichloroethene	2.37	96	448	0.258	ug/l #	48
16) Acetone	2.45	43	1118	0.825	ug/l #	88
27) cis-1,2-Dichloroethene	4.60	96	4013	1.787	ug/l	89
28) Bromochloromethane	5.03	49	48	Below Cal	#	20
30) Chloroform	5.21	83	1245	0.343	ug/l #	84
31) Cyclohexane	5.67	56	3943	1.057	ug/l #	1
36) 1,1-Dichloropropene	5.66	75	13945	5.019	ug/l #	50
38) Carbon Tetrachloride	5.66	117	17521	6.941	ug/l #	15
44) Trichloroethene	7.21	130	21022	10.113	ug/l	99
49) 1,4-Dioxane	7.60	88	21	0.337	ug/l #	20
60) Dibromochloromethane	9.34	129	3751	1.801	ug/l #	11
64) Tetrachloroethene	9.34	164	4068	2.292	ug/l	98
76) 1,2,3-Trichloropropane	11.13	75	61132	23.660	ug/l #	34
81) trans-1,4-Dichloro-2-buten	11.13	75	61132	60.537	ug/l #	10

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

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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: VX009463.D

Acq: 10 May 2019 05:46

Instrument :

MSVOA_X

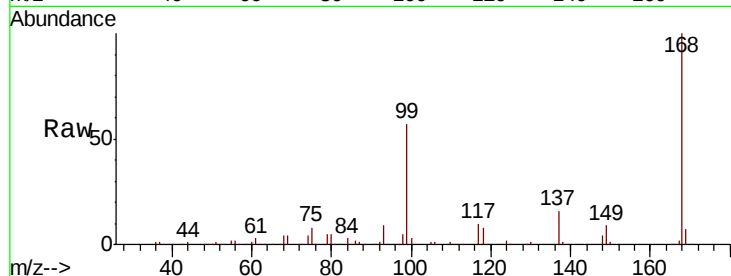
ClientSampled :

Tot Ion:168 Resp: 184852

Ion Ratio Lower Upper

168 100

99 56.6 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

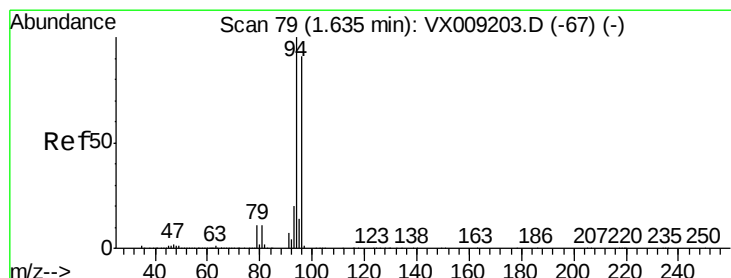
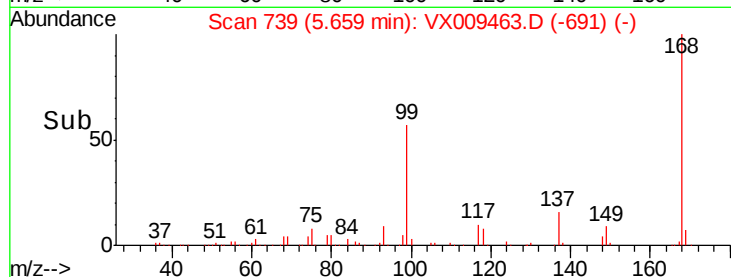
40000

20000

0

Time-->

5.60 5.70 5.80



#5

Bromomethane

Concen: 0.223 ug/l

RT: 1.65 min Scan# 81

Delta R.T. 0.01 min

Lab File: VX009463.D

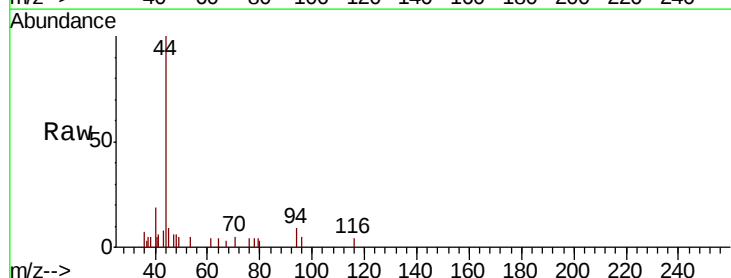
Acq: 10 May 2019 05:46

Tgt Ion: 94 Resp: 303

Ion Ratio Lower Upper

94 100

96 52.9 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

150

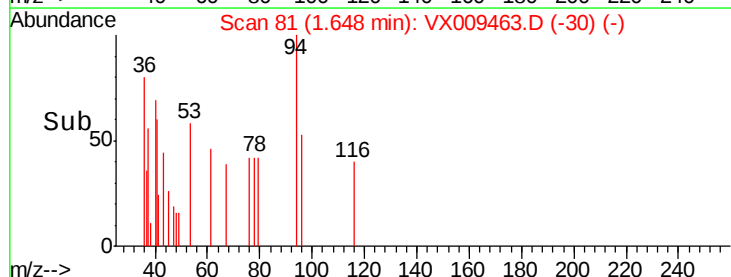
100

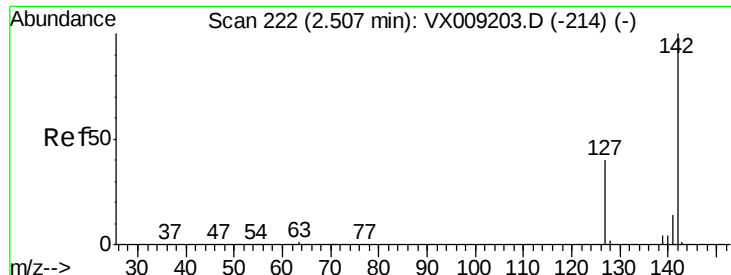
50

0

Time-->

1.60 1.65 1.70

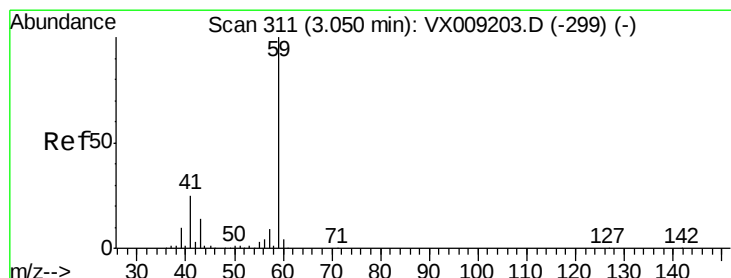
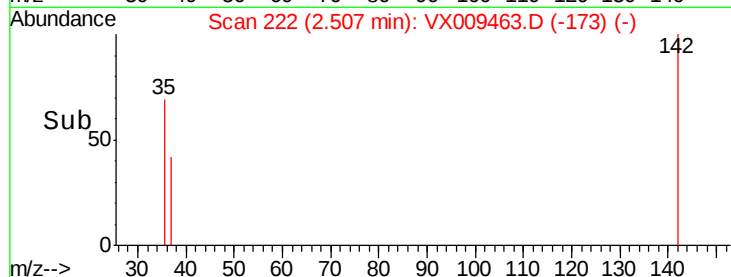
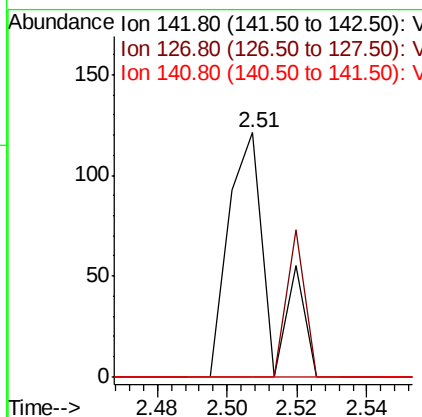
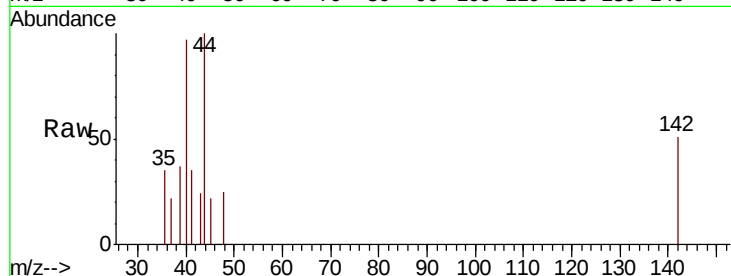




#10
Methvl Iodide
Concen: 4.638 ug/l
RT: 2.51 min Scan# 222
Delta R.T. 0.00 min
Lab File: VX009463.D
Acq: 10 May 2019 05:46

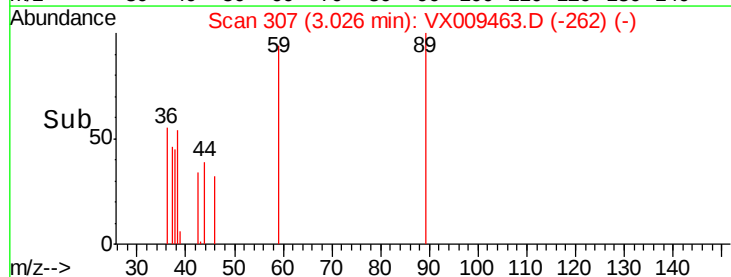
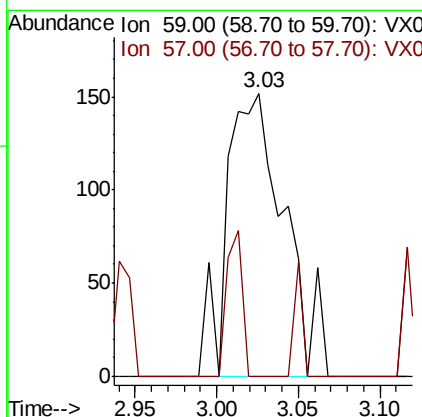
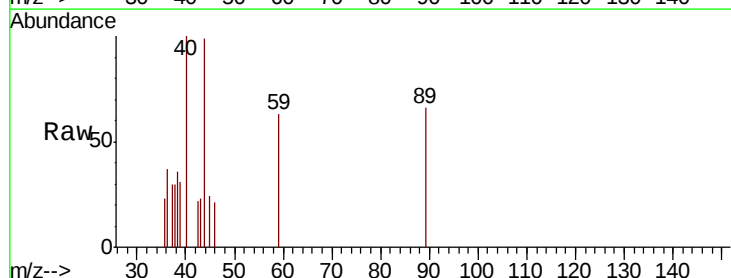
Instrument :
MSVOA_X
ClientSampleId :

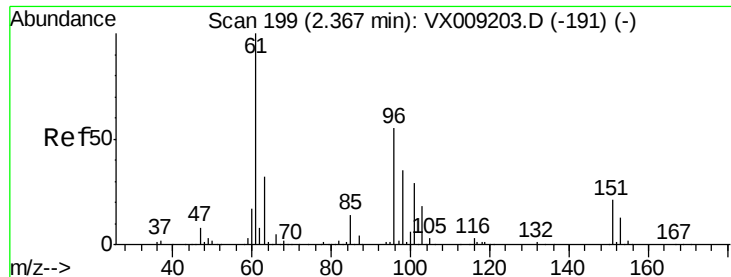
Tot Ion:142 Resp: 98
Ion Ratio Lower Upper
142 100
127 27.6 32.7 49.1#
141 0.0 11.5 17.3#



#11
Tert butyl alcohol
Concen: 0.642 ug/l
RT: 3.03 min Scan# 307
Delta R.T. -0.02 min
Lab File: VX009463.D
Acq: 10 May 2019 05:46

Tgt Ion: 59 Resp: 375
Ion Ratio Lower Upper
59 100
57 13.9 8.2 12.2#





#12

1,1-Dichloroethene

Concen: 0.258 ug/l

RT: 2.37 min Scan# 199

Delta R.T. 0.00 min

Lab File: VX009463.D

Acq: 10 May 2019 05:46

Instrument :
MSVOA_X
ClientSampled :

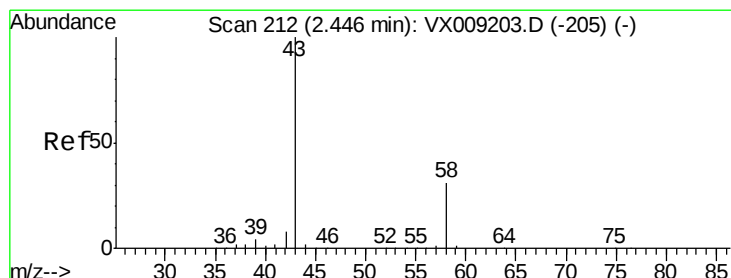
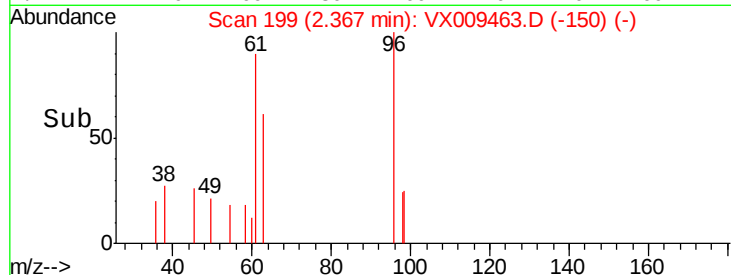
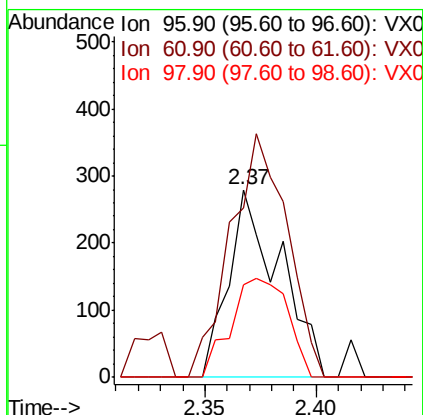
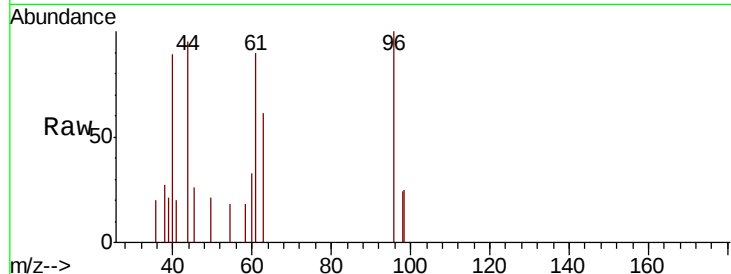
Tot Ion: 96 Resp: 448

Ion Ratio Lower Upper

96 100

61 90.4 144.3 216.5#

98 48.9 50.3 75.5#



#16

Acetone

Concen: 0.825 ug/l

RT: 2.45 min Scan# 212

Delta R.T. 0.00 min

Lab File: VX009463.D

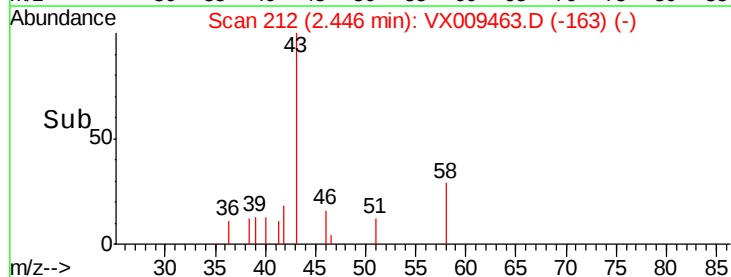
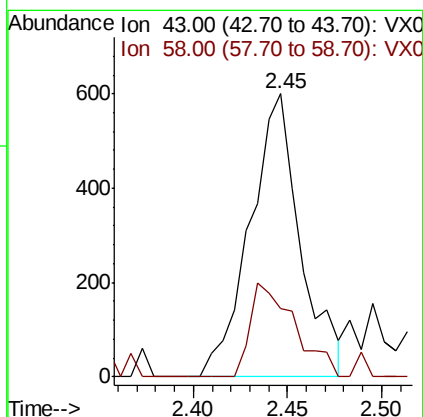
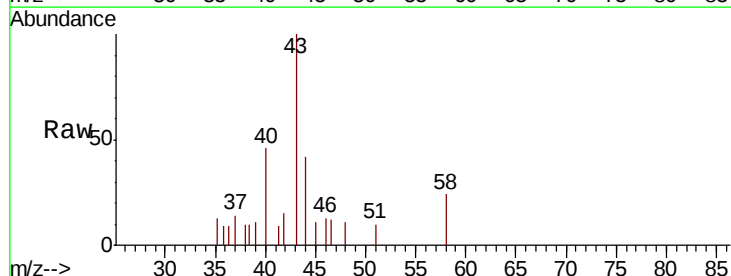
Acq: 10 May 2019 05:46

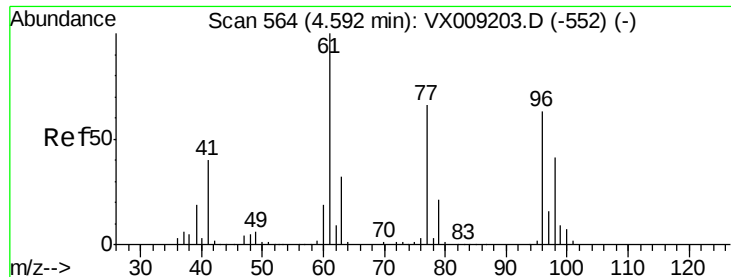
Tgt Ion: 43 Resp: 1118

Ion Ratio Lower Upper

43 100

58 24.3 24.9 37.3#



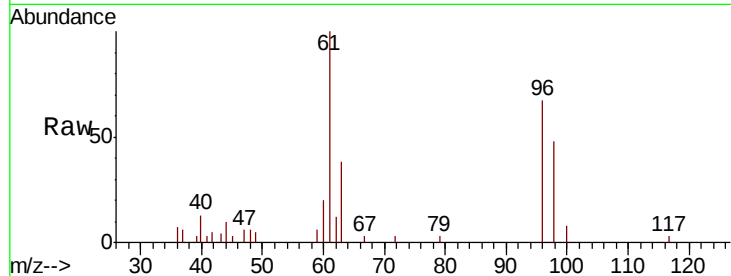


#27

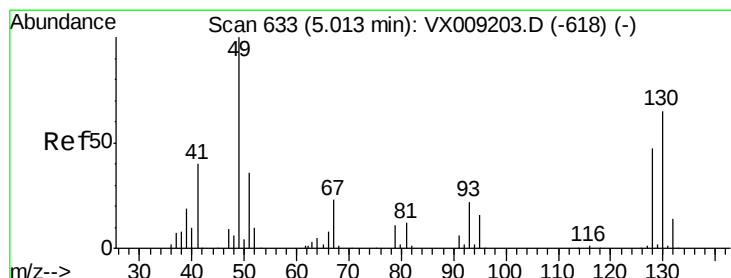
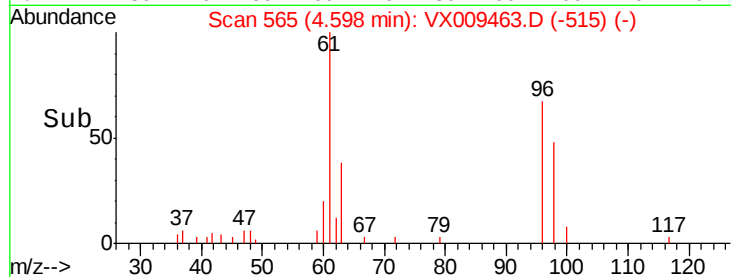
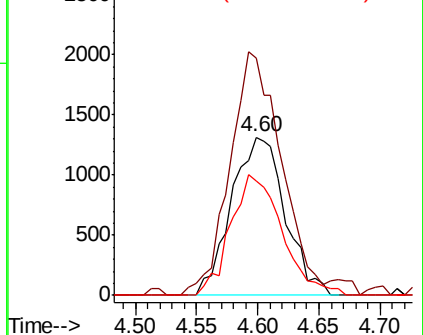
cis-1,2-Dichloroethene
 Concen: 1.787 ug/l
 RT: 4.60 min Scan# 565
 Delta R.T. 0.01 min
 Lab File: VX009463.D
 Acq: 10 May 2019 05:46

Instrument :
 MSVOA_X
 ClientSampleId :

Tot Ion: 96 Resp: 4013
 Ion Ratio Lower Upper
 96 100
 61 146.8 0.0 324.0
 98 73.2 0.0 130.4



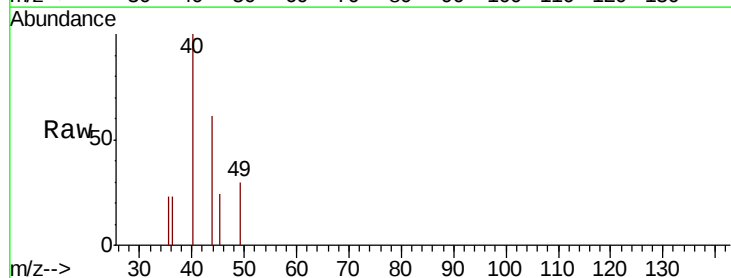
Abundance Ion 95.90 (95.60 to 96.60): VX0
 Ion 60.90 (60.60 to 61.60): VX0
 Ion 97.90 (97.60 to 98.60): VX0



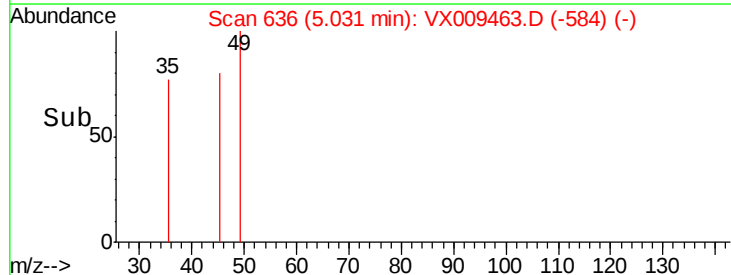
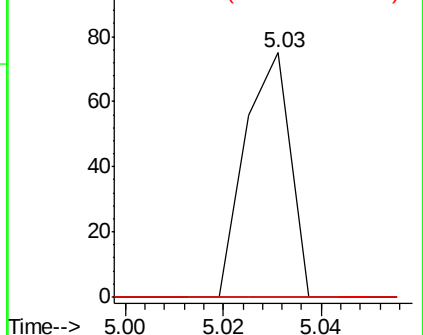
#28

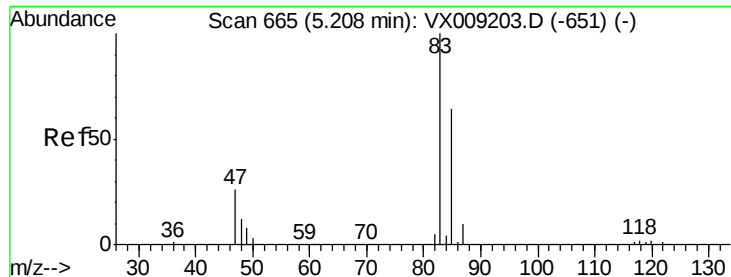
Bromochloromethane
 Concen: Below Cal
 RT: 5.03 min Scan# 636
 Delta R.T. 0.02 min
 Lab File: VX009463.D
 Acq: 10 May 2019 05:46

Tgt Ion: 49 Resp: 48
 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

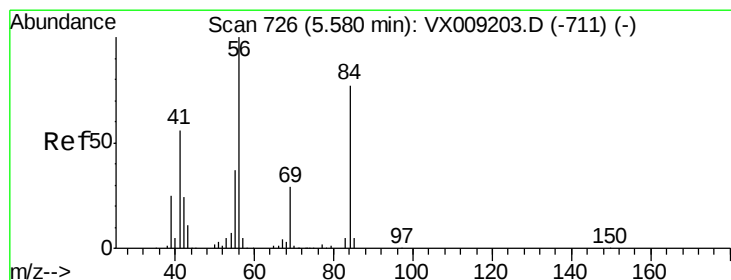
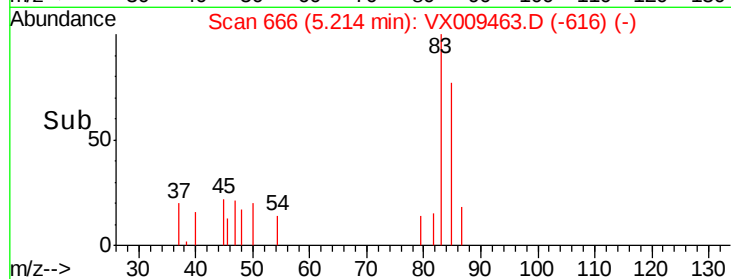
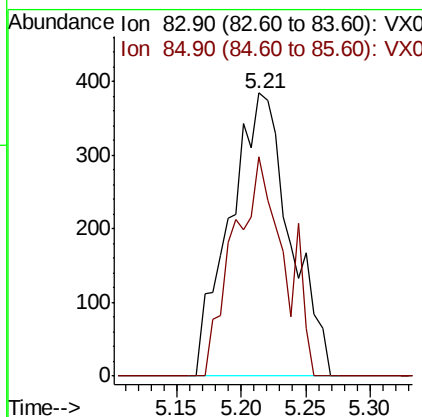
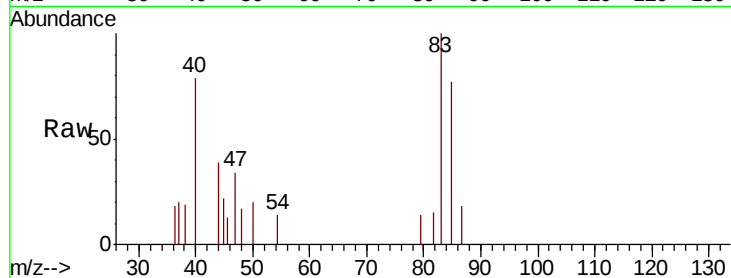




#30
Chloroform
Concen: 0.343 ug/l
RT: 5.21 min Scan# 666
Delta R.T. 0.01 min
Lab File: VX009463.D
Acq: 10 May 2019 05:46

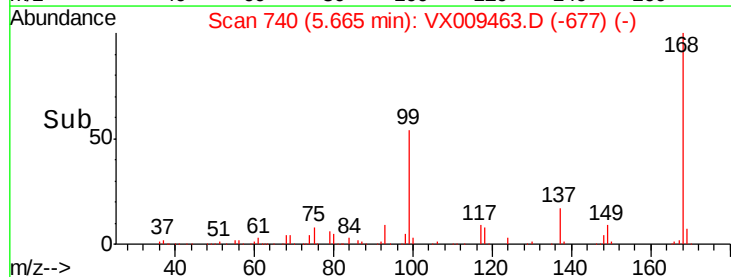
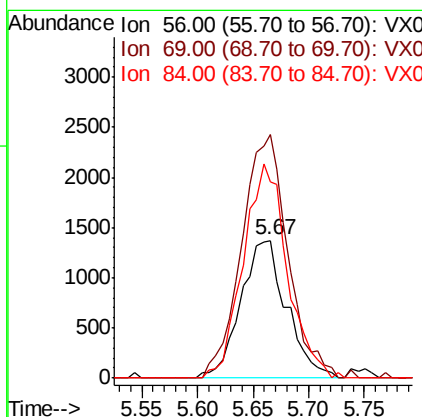
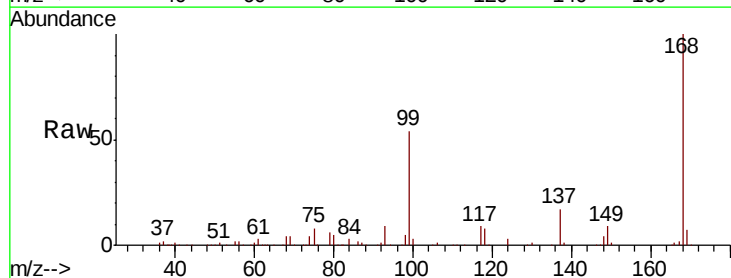
Instrument :
MSVOA_X
ClientSampleId :

Tot Ion: 83 Resp: 1245
Ion Ratio Lower Upper
83 100
85 77.3 51.5 77.3#



#31
Cyclohexane
Concen: 1.057 ug/l
RT: 5.67 min Scan# 740
Delta R.T. 0.09 min
Lab File: VX009463.D
Acq: 10 May 2019 05:46

Tgt Ion: 56 Resp: 3943
Ion Ratio Lower Upper
56 100
69 176.9 23.4 35.0#
84 142.6 61.9 92.9#





#33

1,2-Dichloroethane-d4

Concen: 48.470 ug/l

RT: 6.06 min Scan# 805

Delta R.T. 0.00 min

Lab File: VX009463.D

Acq: 10 May 2019 05:46

Instrument :

MSVOA_X

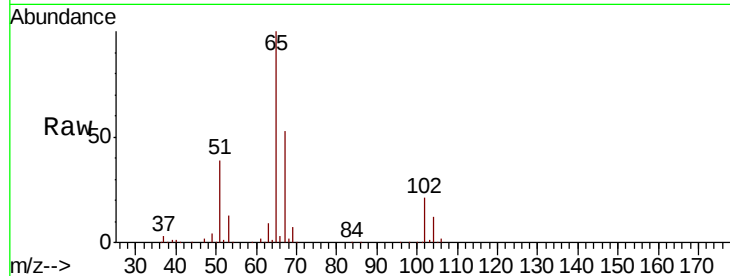
ClientSampled :

Tot Ion: 65 Resp: 122311

Ion Ratio Lower Upper

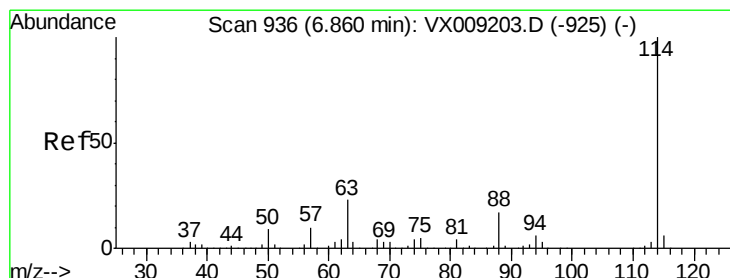
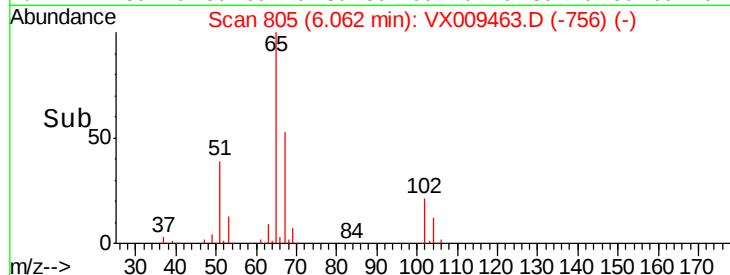
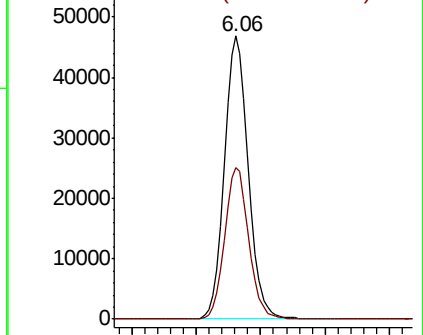
65 100

67 54.0 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: VX009463.D

Acq: 10 May 2019 05:46

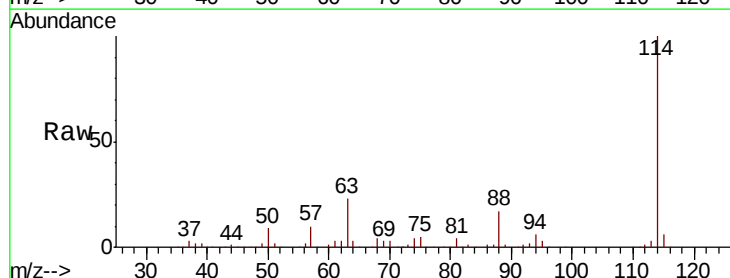
Tgt Ion: 114 Resp: 298975

Ion Ratio Lower Upper

114 100

63 22.6 0.0 45.6

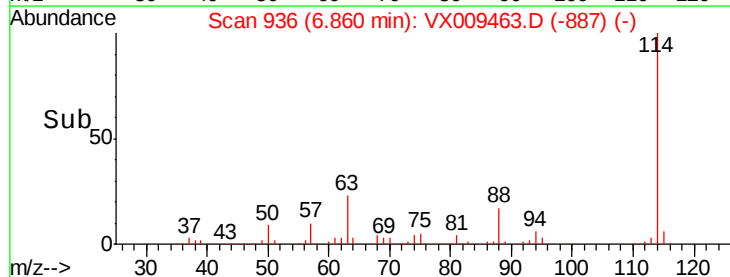
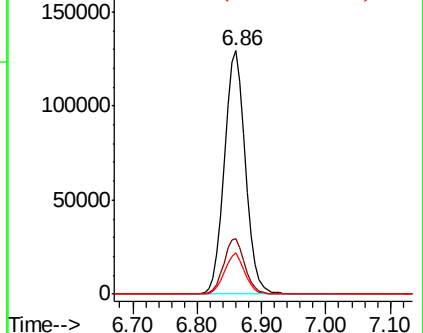
88 16.8 0.0 33.2

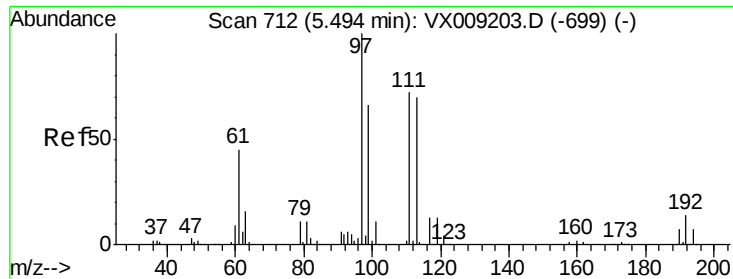


Abundance Ion 113.90 (113.60 to 114.60): V

Ion 63.00 (62.70 to 63.70): VX0

Ion 87.90 (87.60 to 88.60): VX0





#35

Dibromofluoromethane

Concen: 48.393 ug/l

RT: 5.50 min Scan# 713

Delta R.T. 0.01 min

Lab File: VX009463.D

Acq: 10 May 2019 05:46

Instrument :

MSVOA_X

ClientSampleId :

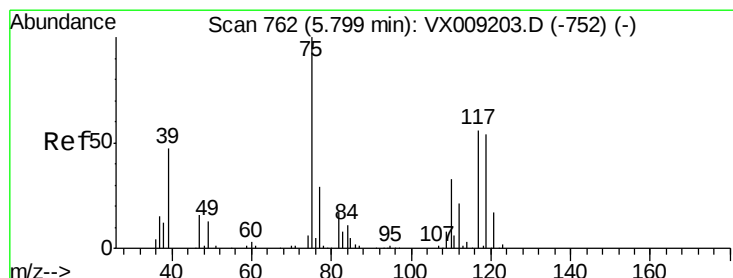
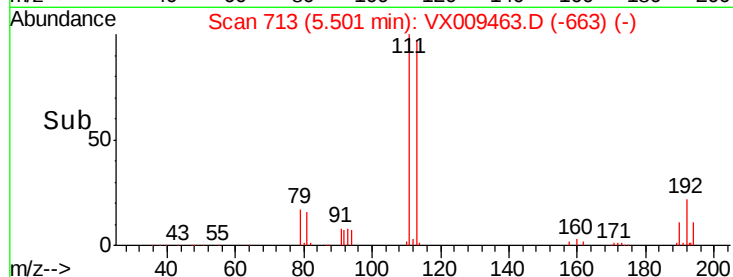
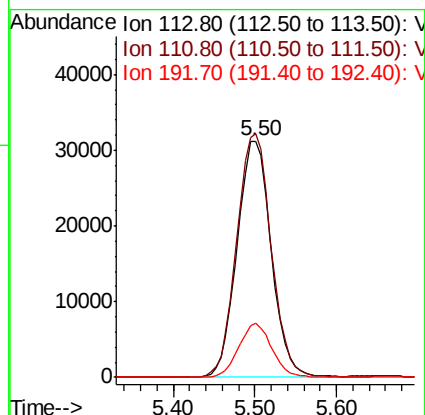
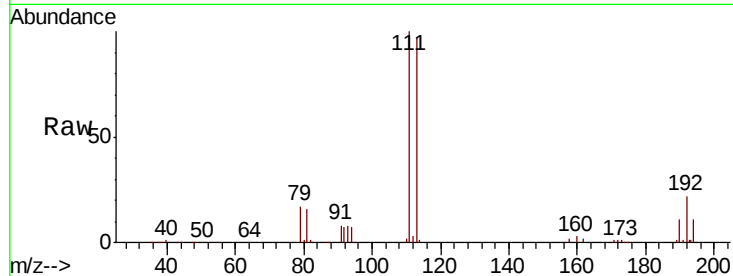
Tot Ion:113 Resp: 90953

Ion Ratio Lower Upper

113 100

111 103.7 82.8 124.2

192 22.1 17.0 25.6



#36

1,1-Dichloropropene

Concen: 5.019 ug/l

RT: 5.66 min Scan# 739

Delta R.T. -0.14 min

Lab File: VX009463.D

Acq: 10 May 2019 05:46

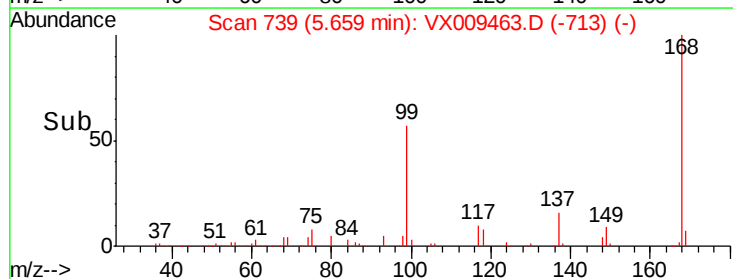
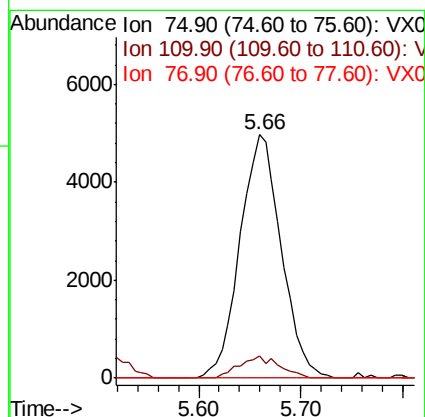
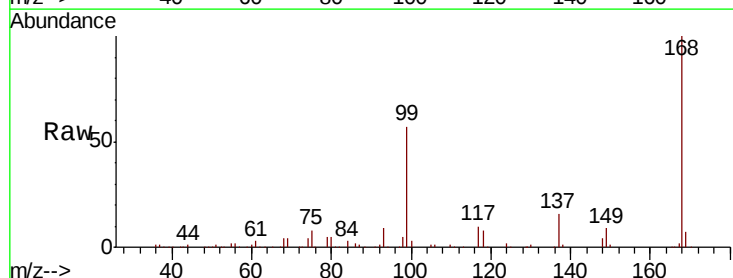
Tgt Ion: 75 Resp: 13945

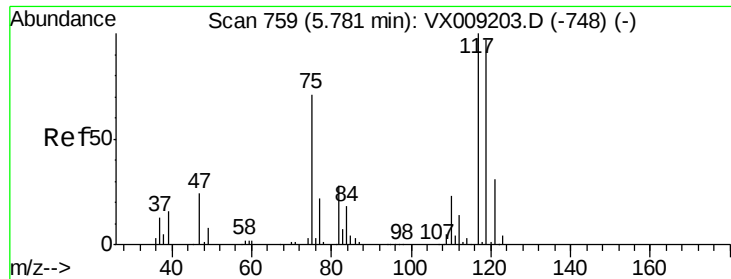
Ion Ratio Lower Upper

75 100

110 8.7 16.9 50.6#

77 0.0 24.8 37.2#

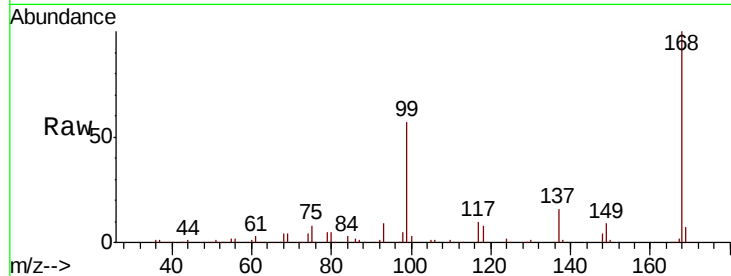




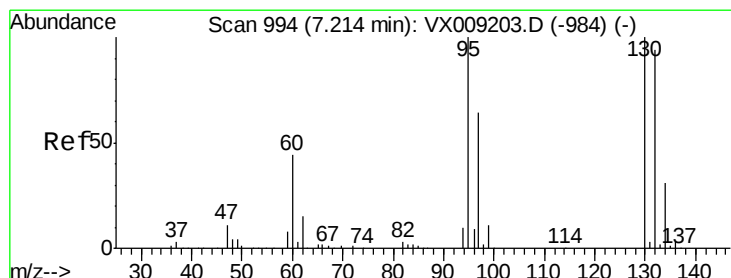
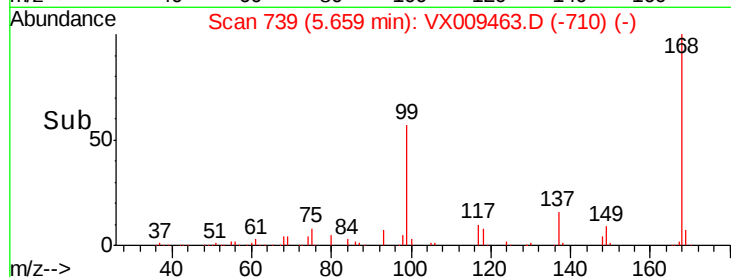
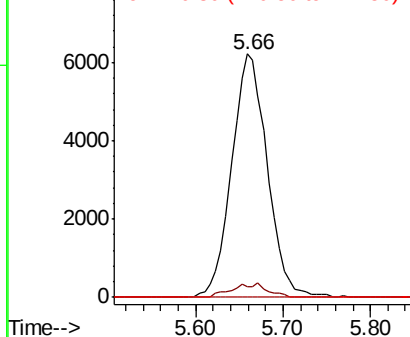
#38
Carbon Tetrachloride
Concen: 6.941 ug/l
RT: 5.66 min Scan# 739
Delta R.T. -0.12 min
Lab File: VX009463.D
Acq: 10 May 2019 05:46

Instrument :
MSVOA_X
ClientSampled :

Tot Ion:117 Resp: 17521
Ion Ratio Lower Upper
117 100
119 4.1 77.5 116.3#
121 0.0 24.7 37.1#

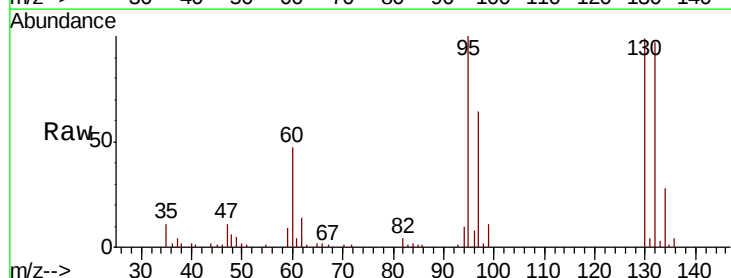


Abundance Ion 116.80 (116.50 to 117.50): V
Ion 118.80 (118.50 to 119.50): V
Ion 120.80 (120.50 to 121.50): V

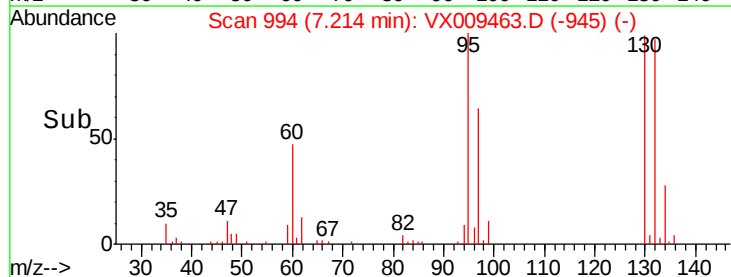
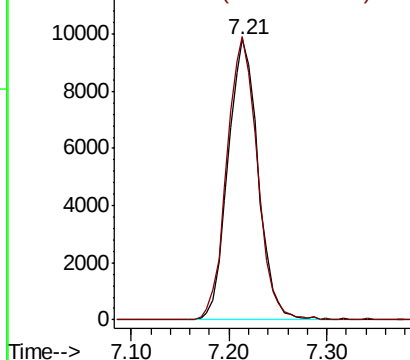


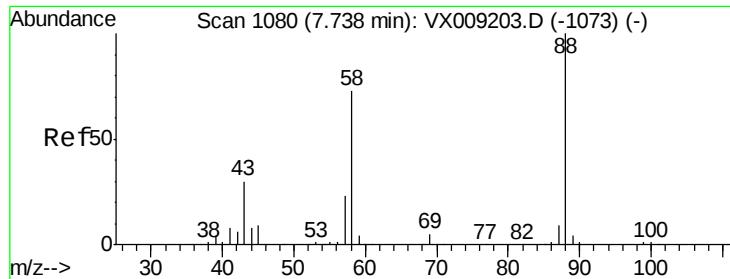
#44
Trichloroethene
Concen: 10.113 ug/l
RT: 7.21 min Scan# 994
Delta R.T. 0.00 min
Lab File: VX009463.D
Acq: 10 May 2019 05:46

Tgt Ion:130 Resp: 21022
Ion Ratio Lower Upper
130 100
95 100.9 0.0 199.2



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





#49

1,4-Dioxane

Concen: 0.337 ug/l

RT: 7.60 min Scan# 1058

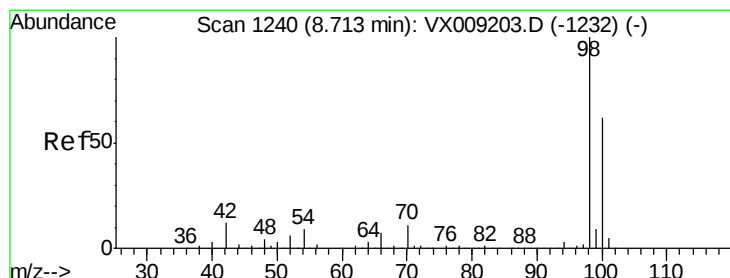
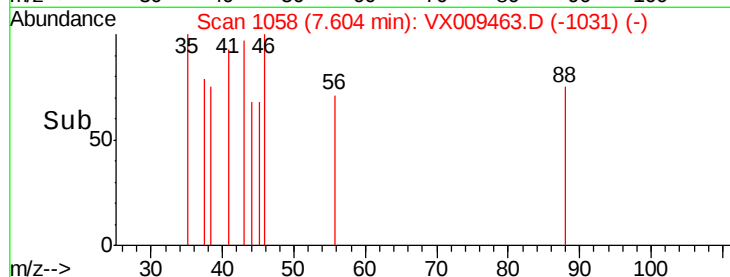
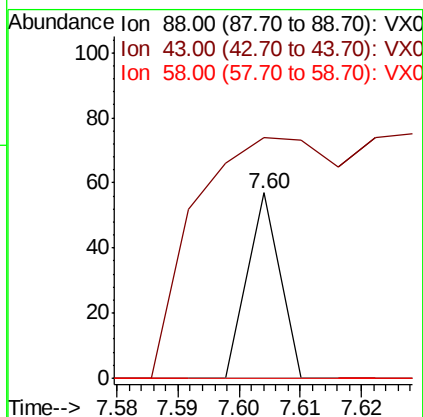
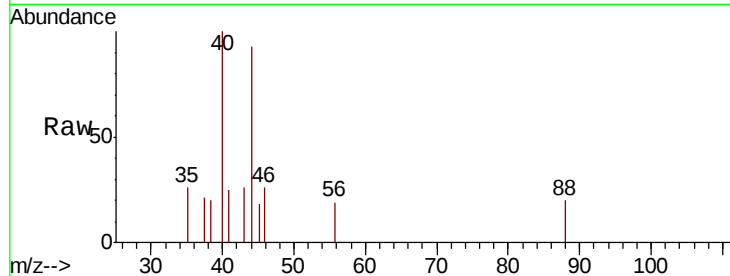
Delta R.T. -0.13 min

Lab File: VX009463.D

Acq: 10 May 2019 05:46

Instrument :
MSVOA_X
ClientSampleId :

Tot Ion:	88	Resp:	21
Ion	Ratio	Lower	Upper
88	100		
43	0.0	28.6	42.8#
58	0.0	61.7	92.5#



#50

Toluene-d8

Concen: 48.563 ug/l

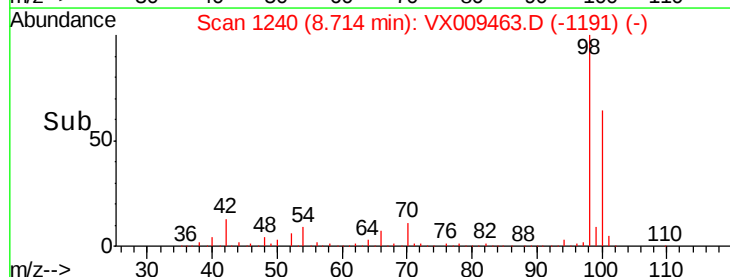
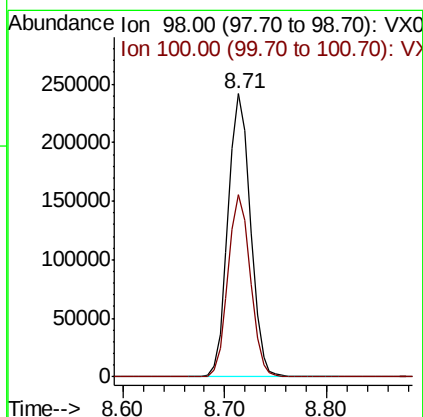
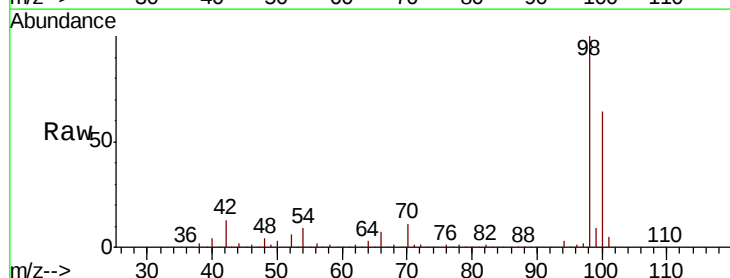
RT: 8.71 min Scan# 1240

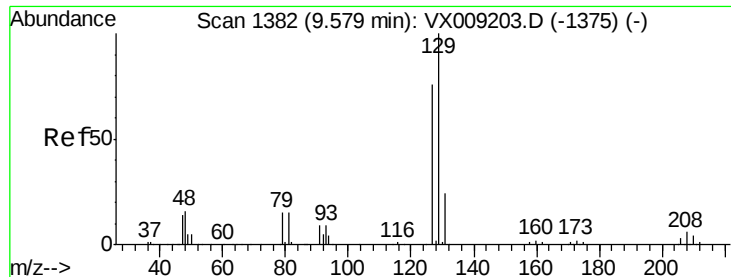
Delta R.T. 0.00 min

Lab File: VX009463.D

Acq: 10 May 2019 05:46

Tgt Ion:	98	Resp:	368493
Ion	Ratio	Lower	Upper
98	100		
100	64.1	51.2	76.8





#60

Dibromochloromethane

Concen: 1.801 ug/l

RT: 9.34 min Scan# 1342

Delta R.T. -0.24 min

Lab File: VX009463.D

Acq: 10 May 2019 05:46

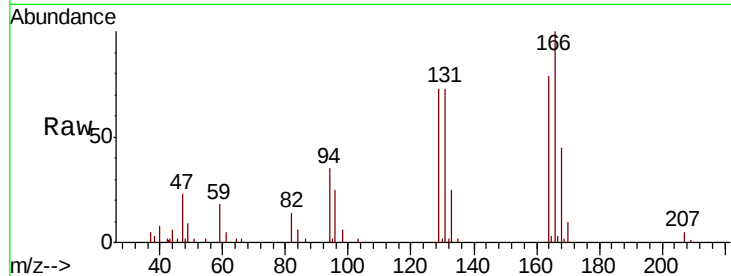
Instrument :
MSVOA_X
ClientSampled :

Tot Ion:129 Resp: 3751

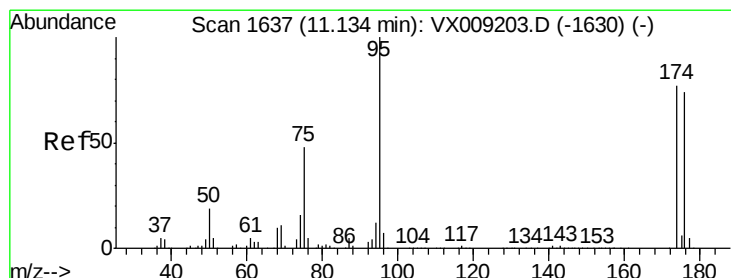
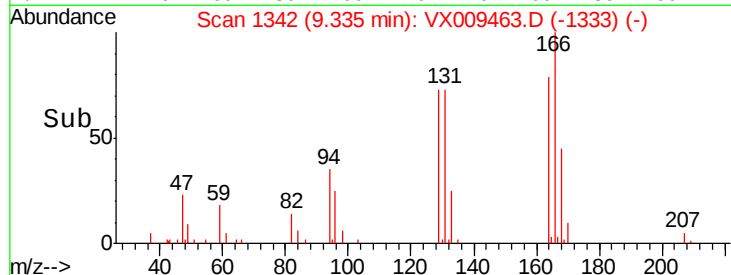
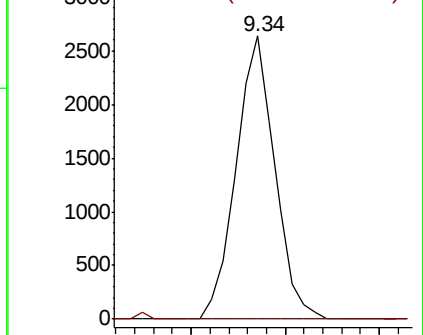
Ion Ratio Lower Upper

129 100

127 0.0 38.4 115.1#



Abundance Ion 128.80 (128.50 to 129.50): V
Ion 126.80 (126.50 to 127.50): V



#62

4-Bromofluorobenzene

Concen: 43.657 ug/l

RT: 11.13 min Scan# 1637

Delta R.T. 0.00 min

Lab File: VX009463.D

Acq: 10 May 2019 05:46

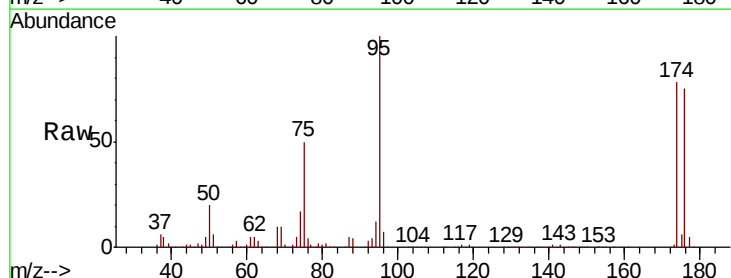
Tgt Ion: 95 Resp: 120370

Ion Ratio Lower Upper

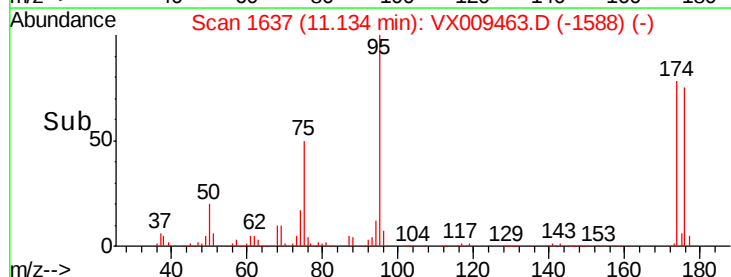
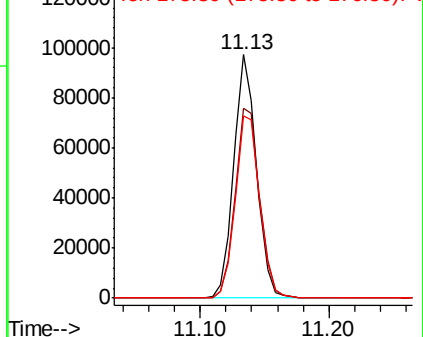
95 100

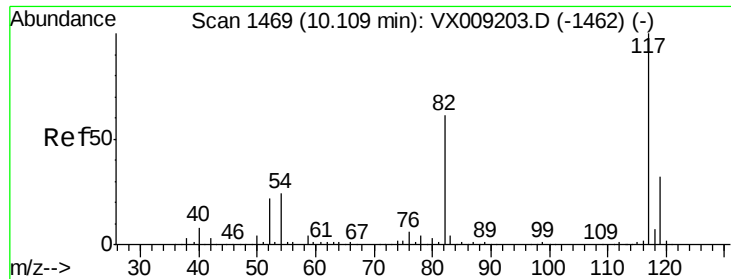
174 83.3 0.0 161.6

176 80.0 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

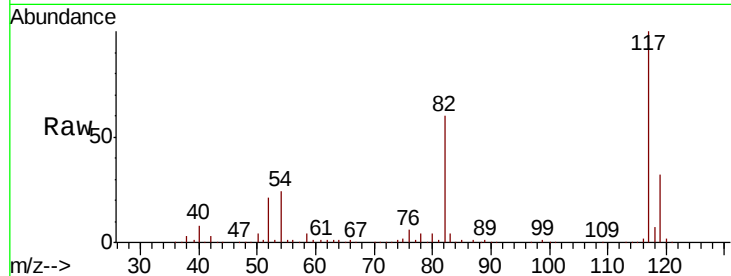




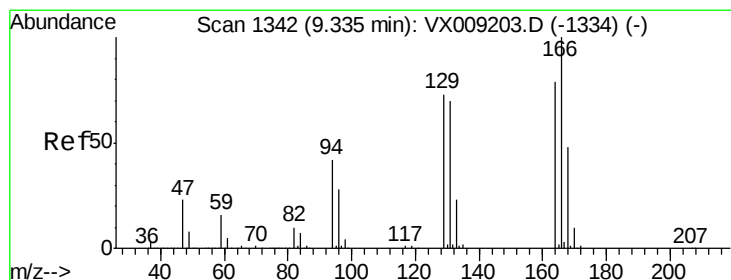
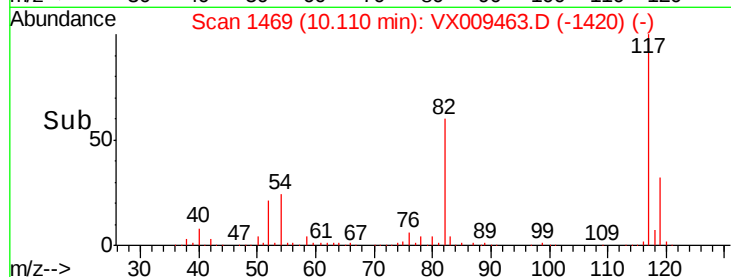
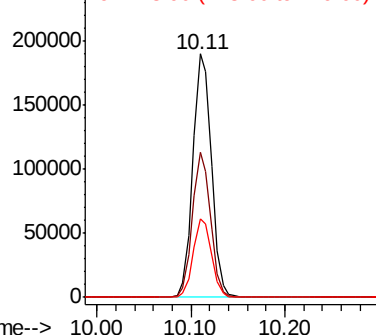
#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 10.11 min Scan# 1469
Delta R.T. 0.00 min
Lab File: VX009463.D
Acq: 10 May 2019 05:46

Instrument :
MSVOA_X
ClientSampleId :

Tot Ion:117 Resp: 258717
Ion Ratio Lower Upper
117 100
82 59.6 48.8 73.2
119 32.1 25.8 38.6

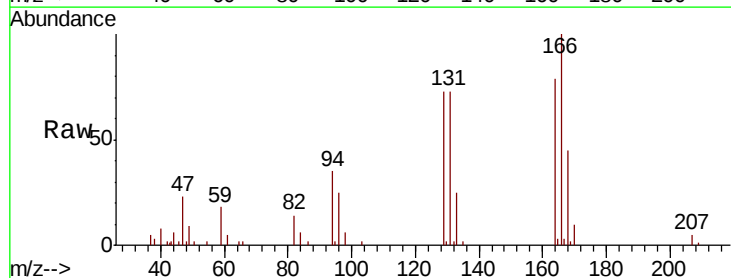


Abundance Ion 116.90 (116.60 to 117.60): V
Ion 82.00 (81.70 to 82.70): VX0
Ion 118.90 (118.60 to 119.60): V

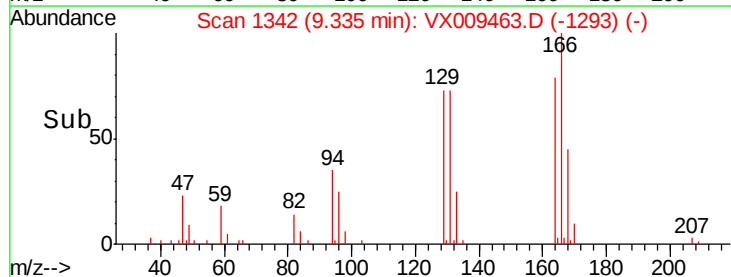
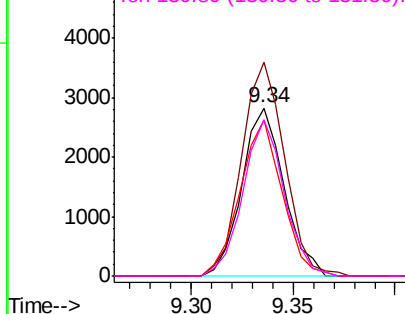


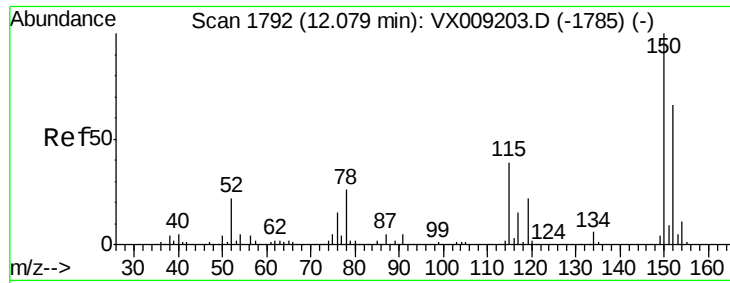
#64
Tetrachloroethene
Concen: 2.292 ug/l
RT: 9.34 min Scan# 1342
Delta R.T. 0.00 min
Lab File: VX009463.D
Acq: 10 May 2019 05:46

Tgt Ion:164 Resp: 4068
Ion Ratio Lower Upper
164 100
166 127.1 101.2 151.8
129 93.3 74.3 111.5
131 92.8 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: VX009463.D

Acq: 10 May 2019 05:46

Instrument :

MSVOA_X

ClientSampleId :

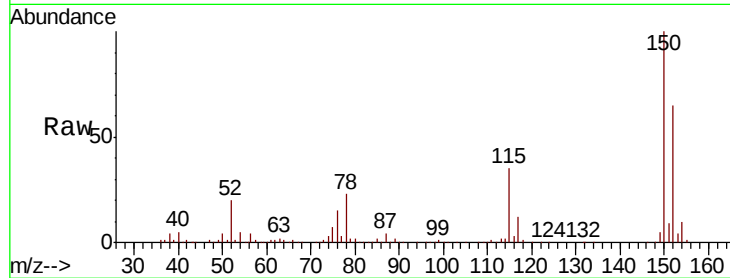
Tot Ion:152 Resp: 111388

Ion Ratio Lower Upper

152 100

115 57.5 41.2 123.6

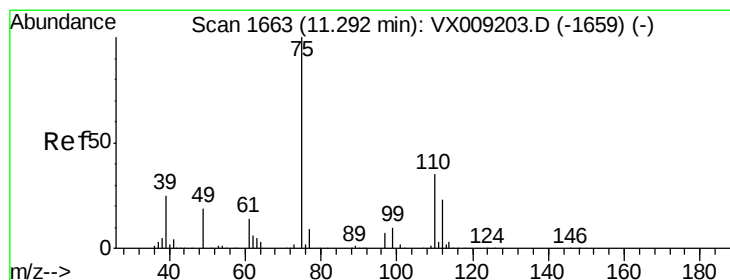
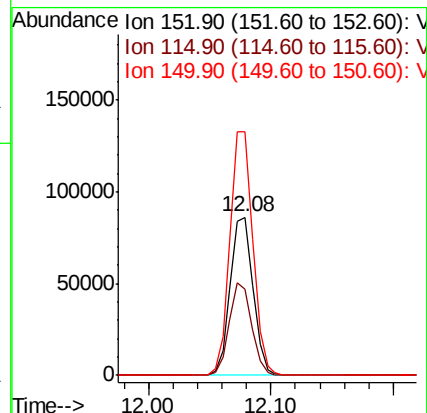
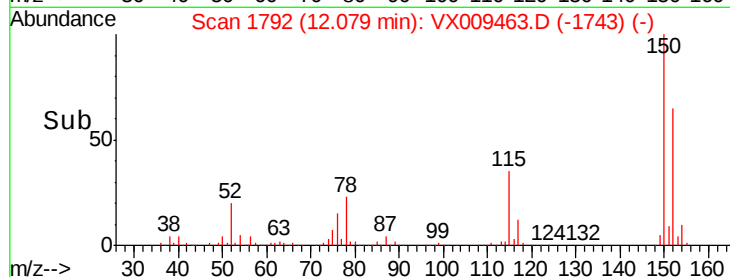
150 154.2 0.0 346.4



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: 23.660 ug/l

RT: 11.13 min Scan# 1637

Delta R.T. -0.16 min

Lab File: VX009463.D

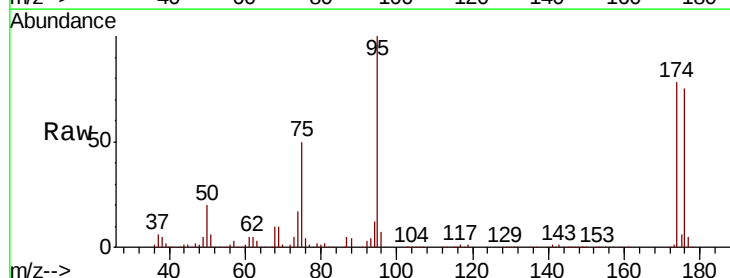
Acq: 10 May 2019 05:46

Tgt Ion: 75 Resp: 61132

Ion Ratio Lower Upper

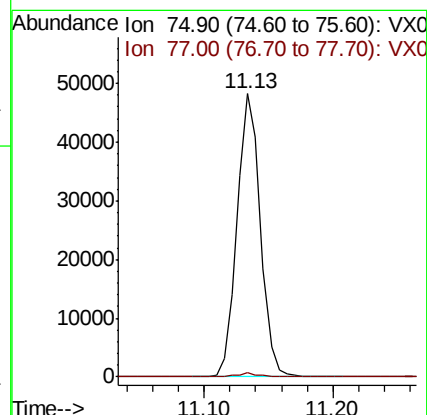
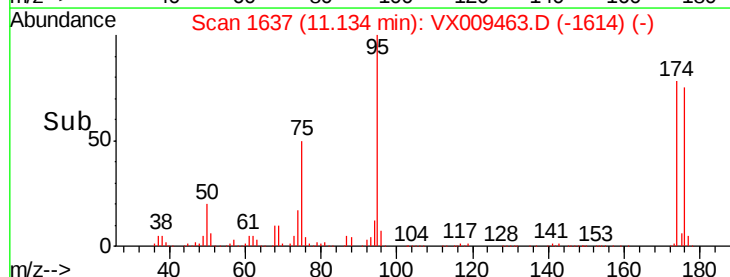
75 100

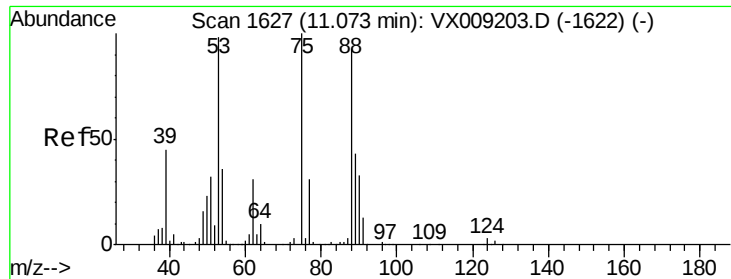
77 1.4 22.1 66.1#



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: 60.537 ug/l

RT: 11.13 min Scan# 1637

Delta R.T. 0.06 min

Lab File: VX009463.D

Acq: 10 May 2019 05:46

Instrument :

MSVOA_X

ClientSampleId :

Tot Ion: 75 Resp: 61132

Ion Ratio Lower Upper

75 100

53 0.0 79.0 118.6#

89 0.0 34.7 52.1#

