

Data Path : Z:\VOASRV\HPCHEM1\MSVOA X\DATA\VX092320\
 Data File : VX018550.D
 Acq On : 23 Sep 2020 21:22
 Operator : JC/SP
 Sample : L4083-12
 Misc : 5.0mL/MSVOA X/WATER
 ALS Vial : 12 Sample Multiplier: 1

Instrument :
 MSVOA_X
 ClientSampleId :
 RE109D2-20200917

Quant Time: Sep 24 00:38:59 2020
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_X\METHOD\82X091720W.M
 Quant Title : SW846 8260
 QLast Update : Thu Sep 17 12:17:36 2020
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Pentafluorobenzene	5.63	168	456641	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	6.83	114	732597	50.00	ug/l	0.00
63) Chlorobenzene-d5	10.10	117	705630	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	12.06	152	370524	50.00	ug/l	0.00

System Monitoring Compounds	R.T.	QIon	Response	Conc	Units	Dev(Min)
33) 1,2-Dichloroethane-d4	6.04	65	323622	50.10	ug/l	0.00
Spiked Amount 50.000			Recovery =	100.20%		
35) Dibromofluoromethane	5.47	113	254502	50.25	ug/l	0.00
Spiked Amount 50.000			Recovery =	100.50%		
50) Toluene-d8	8.70	98	889796	48.36	ug/l	0.00
Spiked Amount 50.000			Recovery =	96.72%		
62) 4-Bromofluorobenzene	11.12	95	342248	46.76	ug/l	0.00
Spiked Amount 50.000			Recovery =	93.52%		

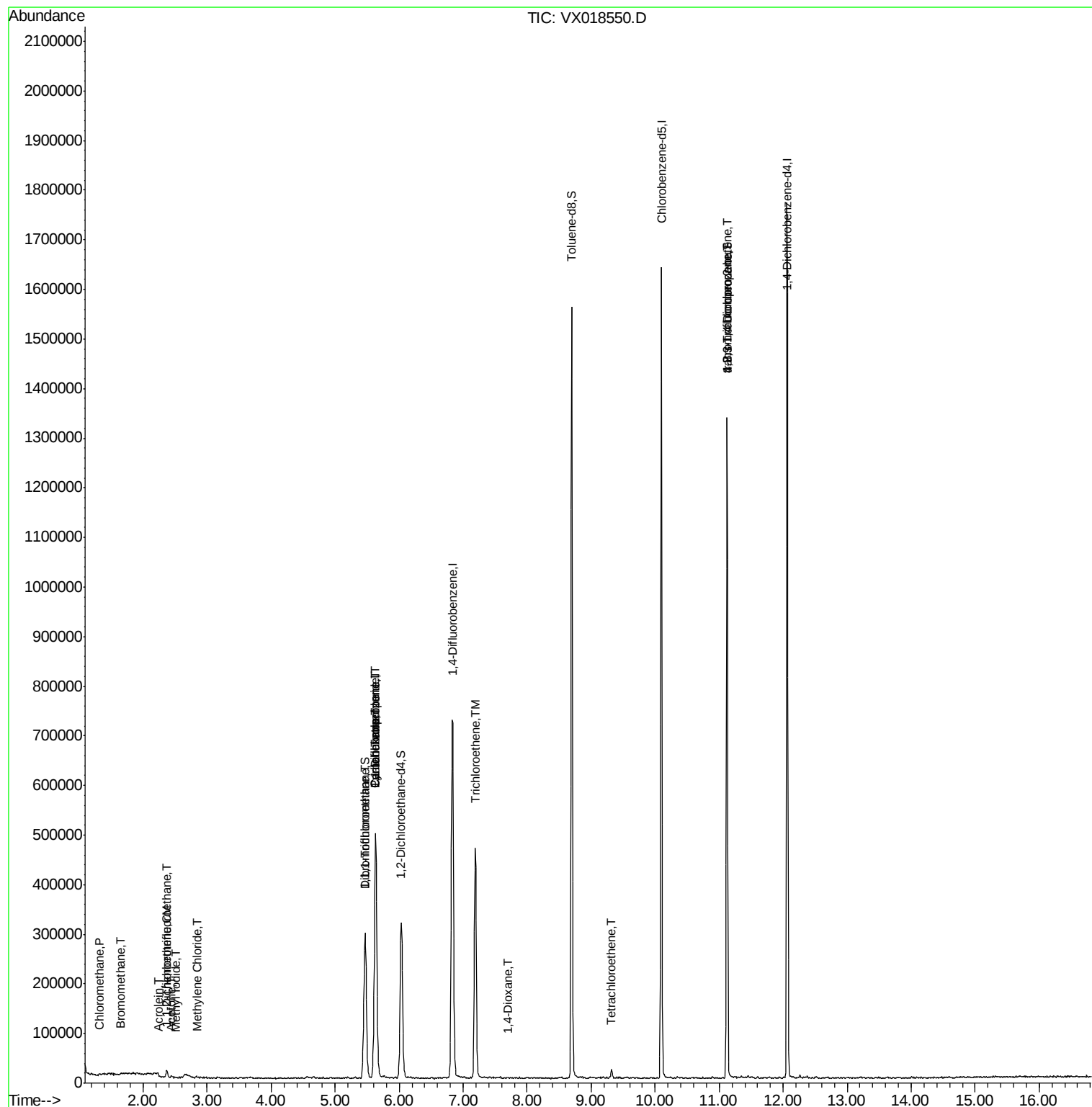
Target Compounds	R.T.	QIon	Response	Conc	Units	Qvalue
3) Chloromethane	1.31	50	1335	0.263	ug/l #	80
5) Bromomethane	1.65	94	687	0.209	ug/l #	39
9) 1,1,2-Trichlorotrifluoroet	2.38	101	5262	1.199	ug/l	97
10) Methyl Iodide	2.51	142	363	4.975	ug/l #	43
12) 1,1-Dichloroethene	2.36	96	1415	0.320	ug/l #	32
13) Acrolein	2.25	56	213	0.299	ug/l #	40
16) Acetone	2.43	43	5652	2.288	ug/l #	84
20) Methylene Chloride	2.84	84	2153	0.395	ug/l #	79
31) Cyclohexane	5.64	56	11492	1.470	ug/l #	14
32) 1,1,1-Trichloroethane	5.47	97	2014	0.228	ug/l #	46
36) 1,1-Dichloropropene	5.63	75	36440	5.125	ug/l #	52
38) Carbon Tetrachloride	5.64	117	47736	6.062	ug/l #	19
44) Trichloroethene	7.19	130	179240	30.384	ug/l	96
49) 1,4-Dioxane	7.70	88	62	0.612	ug/l #	1
64) Tetrachloroethene	9.32	164	3151	0.567	ug/l #	81
76) 1,2,3-Trichloropropane	11.12	75	176089	22.615	ug/l #	36
81) trans-1,4-Dichloro-2-buten	11.12	75	176089	57.951	ug/l #	12

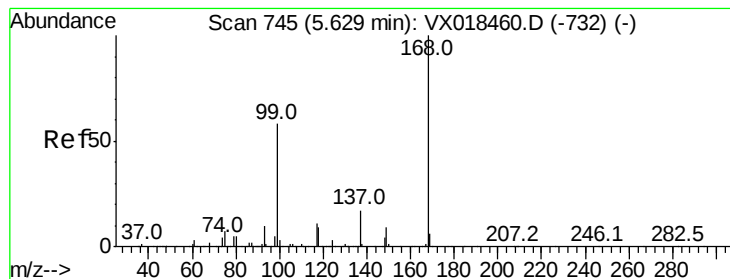
(#) = qualifier out of range (m) = manual integration (+) = signals summed

Data Path : Z:\V0ASRV\HPCHEM1\MSVOA X\DATA\VX092320\
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Quant Time: Sep 24 00:38:59 2020
Quant Method : Z:\V0ASRV\HPCHEM1\MSVOA_X\METHOD\82X091720W.M
Quant Title : SW846 8260
QLast Update : Thu Sep 17 12:17:36 2020
Response via : Initial Calibration





#1

Pentafluorobenzene

Concen: 50.000 ug/l

RT: 5.63 min Scan# 745

Delta R.T. -0.00 min

Lab File: VX018550.D

Acq: 23 Sep 2020 21:22

Instrument :

MSVOA_X

ClientSampleId :

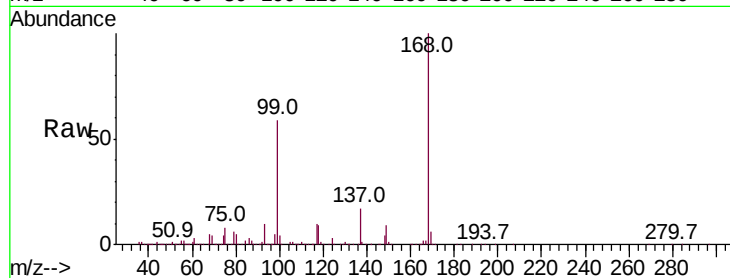
RE109D2-20200917

Tot Ion:168 Resp: 456641

Ion Ratio Lower Upper

168 100

99 59.0 46.5 69.7



Abundance Ion 167.90 (167.60 to 168.60): V

Ion 98.90 (98.60 to 99.60): VX0

5.63

150000

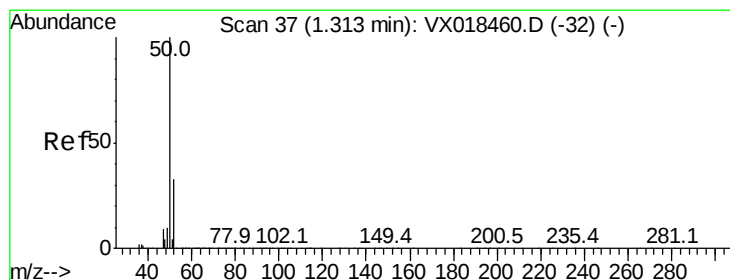
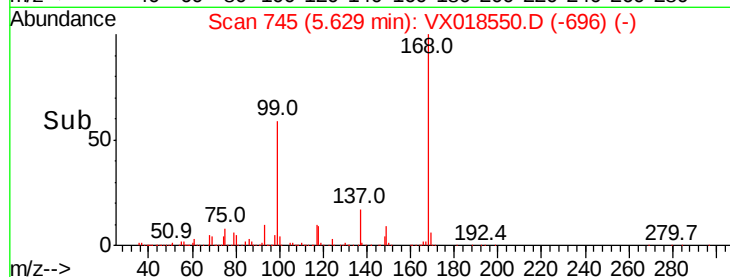
100000

50000

0

Time-->

5.50 5.60 5.70 5.80



#3

Chloromethane

Concen: 0.263 ug/l

RT: 1.31 min Scan# 37

Delta R.T. -0.00 min

Lab File: VX018550.D

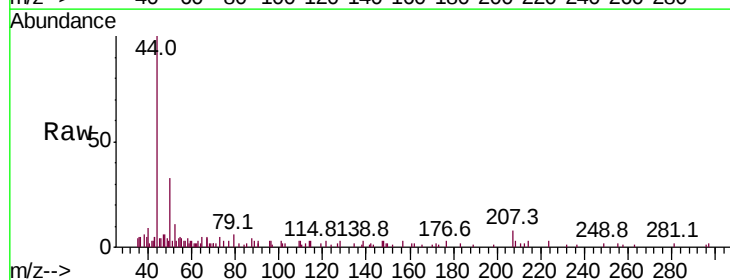
Acq: 23 Sep 2020 21:22

Tgt Ion: 50 Resp: 1335

Ion Ratio Lower Upper

50 100

52 22.1 26.6 40.0#



Abundance Ion 49.90 (49.60 to 50.60): VX0

Ion 51.90 (51.60 to 52.60): VX0

1.31

1500

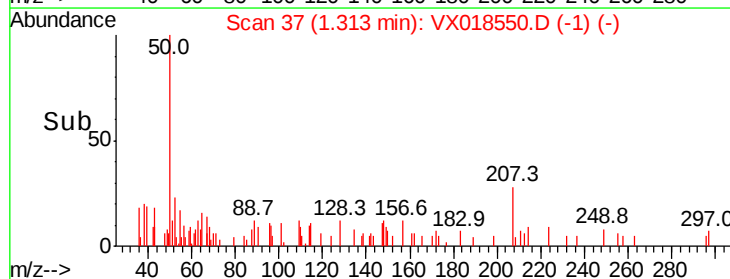
1000

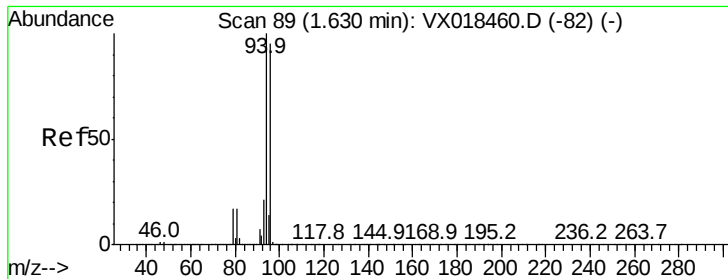
500

0

Time-->

1.30 1.35





#5

Bromomethane

Concen: 0.209 ug/l

RT: 1.65 min Scan# 92

Delta R.T. 0.02 min

Lab File: VX018550.D

Acq: 23 Sep 2020 21:22

Instrument :

MSVOA_X

ClientSampleId :

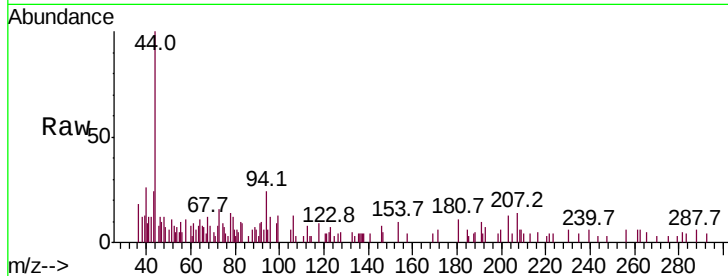
RE109D2-20200917

Tot Ion: 94 Resp: 687

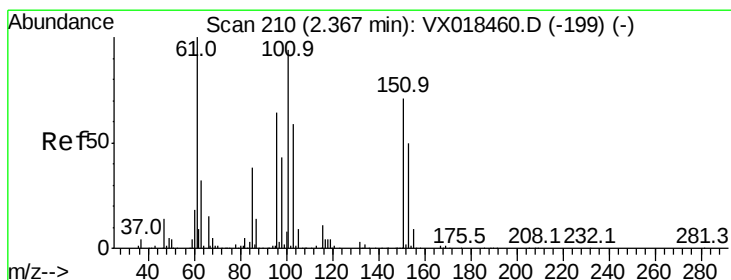
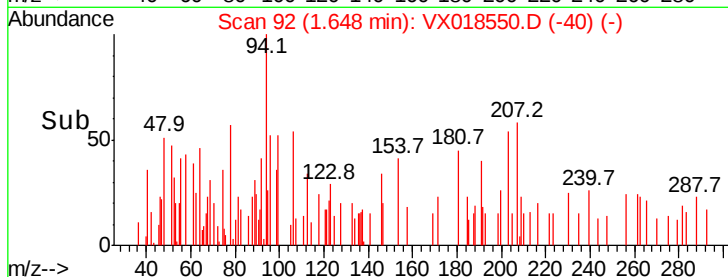
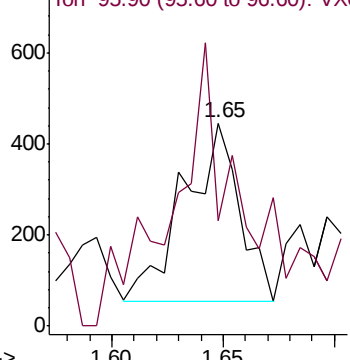
Ion Ratio Lower Upper

94 100

96 35.1 75.5 113.3#



Abundance Ion 93.90 (93.60 to 94.60): VX0



#9

1,1,2-Trichlorotrifluoroethane

Concen: 1.199 ug/l

RT: 2.38 min Scan# 212

Delta R.T. 0.01 min

Lab File: VX018550.D

Acq: 23 Sep 2020 21:22

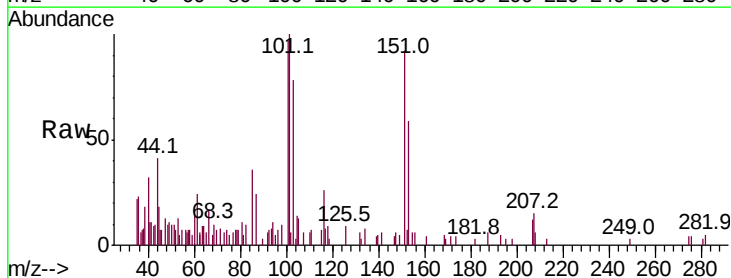
Tgt Ion: 101 Resp: 5262

Ion Ratio Lower Upper

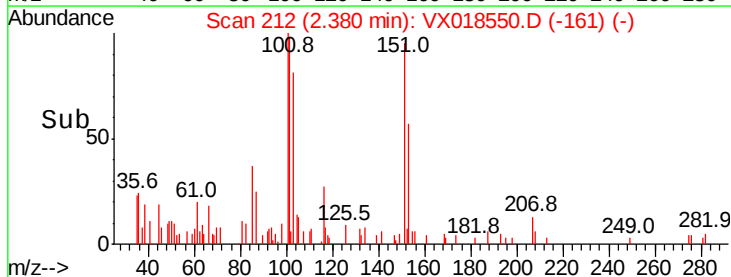
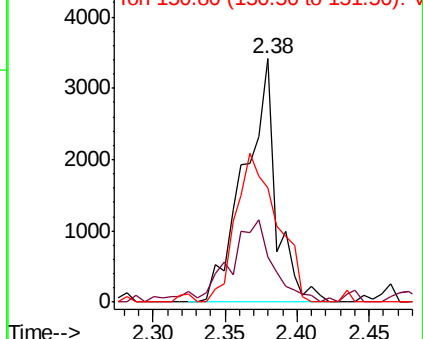
101 100

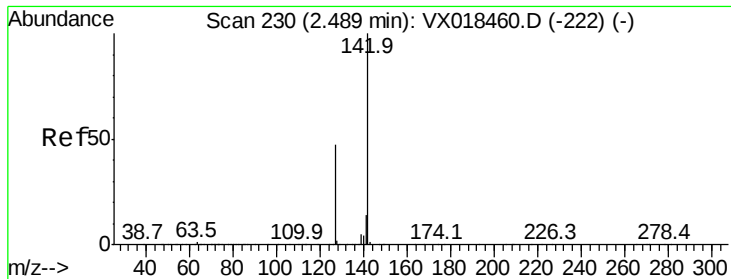
85 46.9 34.7 52.1

151 79.2 64.9 97.3



Abundance Ion 100.90 (100.60 to 101.60): V

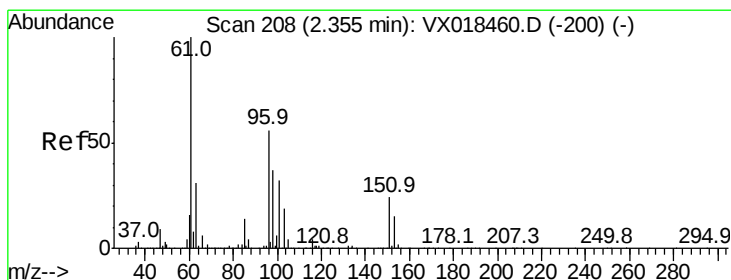
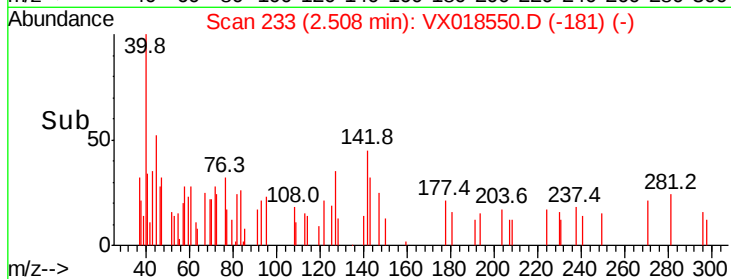
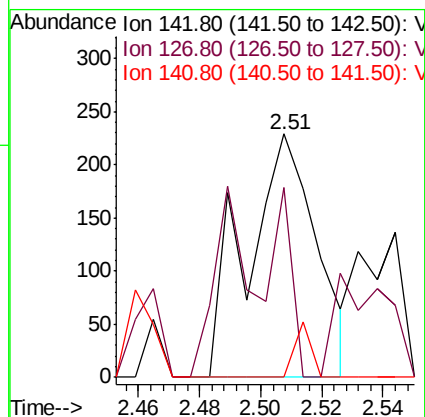
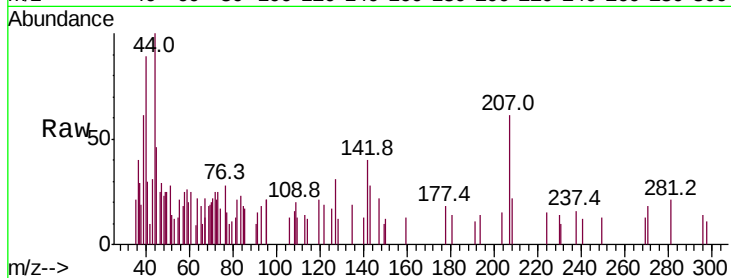




#10
Methyl Iodide
Concen: 4.975 ug/l
RT: 2.51 min Scan# 233
Delta R.T. 0.02 min
Lab File: VX018550.D
Acq: 23 Sep 2020 21:22

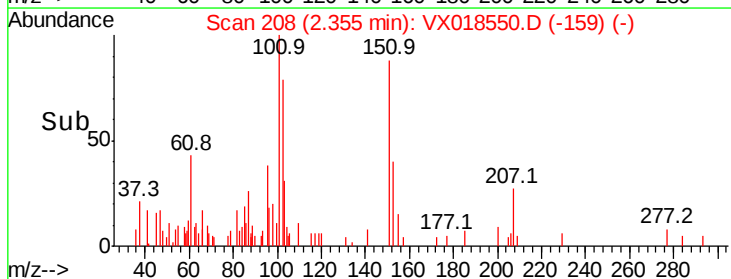
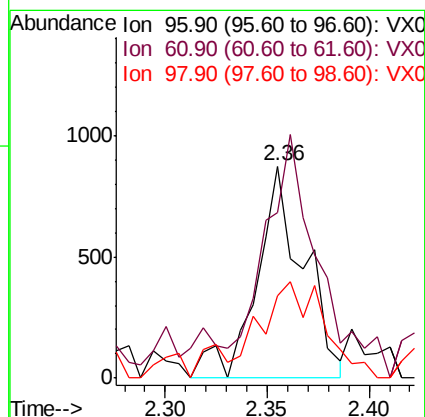
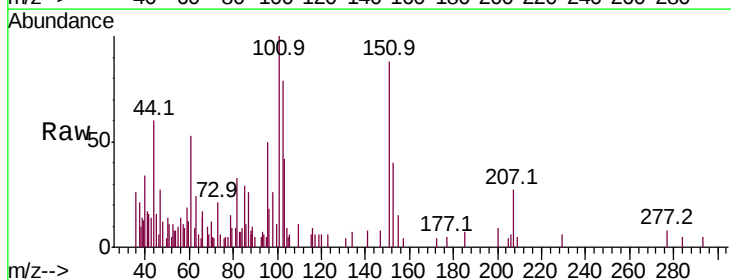
Instrument :
MSVOA_X
ClientSampleId :
RE109D2-20200917

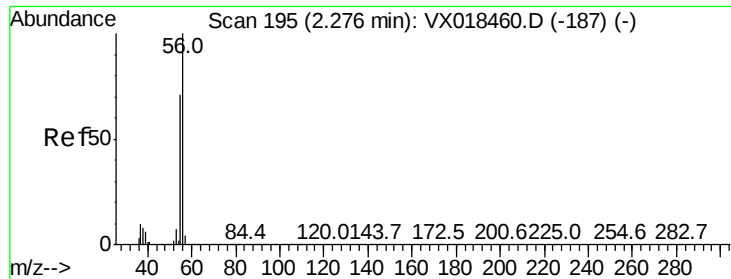
Tot Ion:142 Resp: 363
Ion Ratio Lower Upper
142 100
127 0.0 36.0 54.0#
141 5.2 11.9 17.9#



#12
1,1-Dichloroethene
Concen: 0.320 ug/l
RT: 2.36 min Scan# 208
Delta R.T. -0.00 min
Lab File: VX018550.D
Acq: 23 Sep 2020 21:22

Tgt Ion: 96 Resp: 1415
Ion Ratio Lower Upper
96 100
61 64.2 142.2 213.4#
98 39.1 52.4 78.6#





#13

Acrolein

Concen: 0.299 ug/l

RT: 2.25 min Scan# 191

Delta R.T. -0.02 min

Lab File: VX018550.D

Acq: 23 Sep 2020 21:22

Instrument :

MSVOA_X

ClientSampleId :

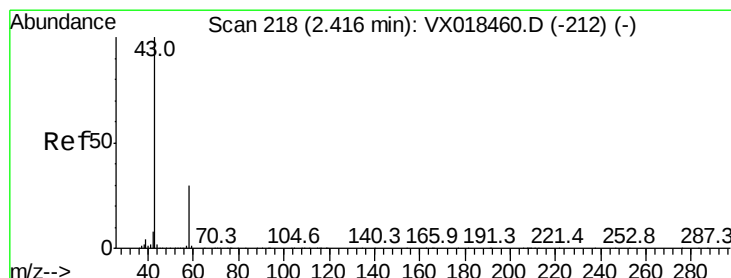
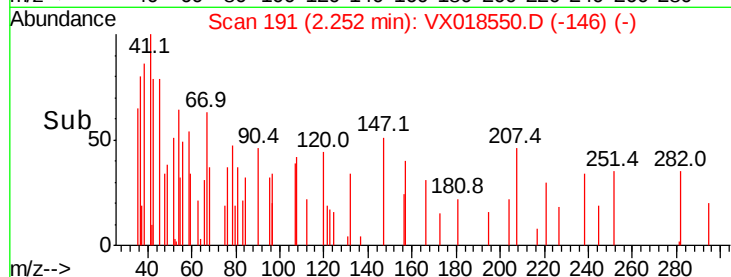
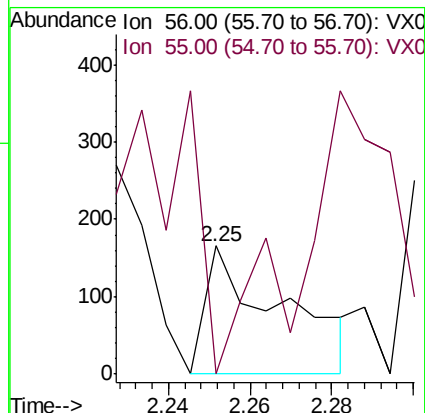
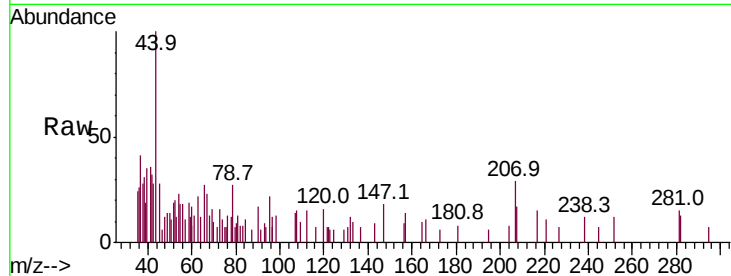
RE109D2-20200917

Tot Ion: 56 Resp: 213

Ion Ratio Lower Upper

56 100

55 123.0 58.2 87.4#



#16

Acetone

Concen: 2.288 ug/l

RT: 2.43 min Scan# 221

Delta R.T. 0.02 min

Lab File: VX018550.D

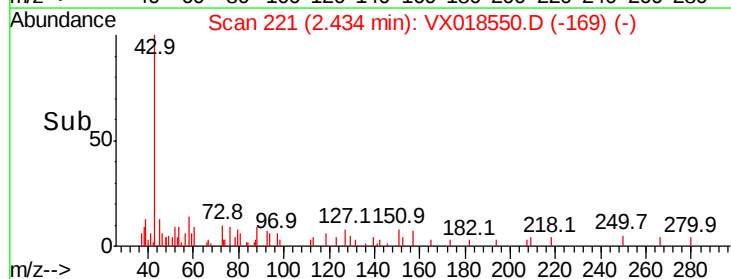
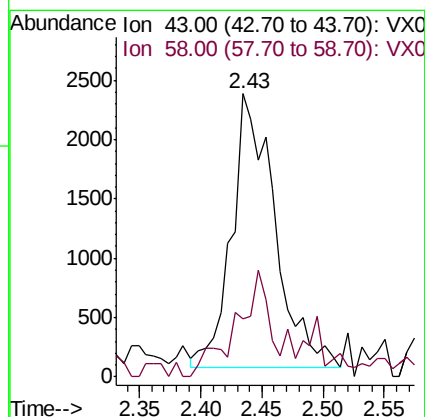
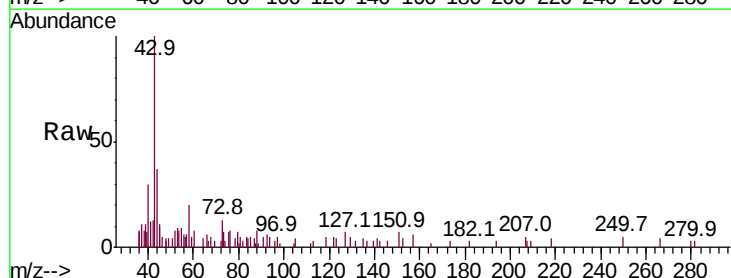
Acq: 23 Sep 2020 21:22

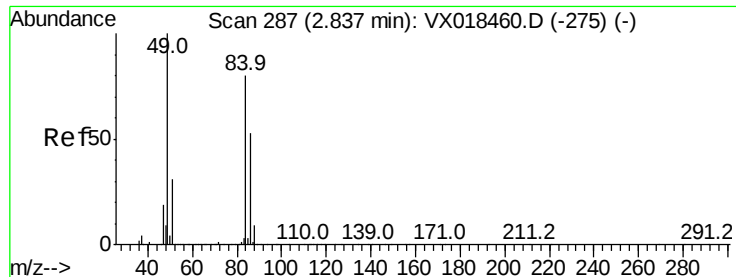
Tgt Ion: 43 Resp: 5652

Ion Ratio Lower Upper

43 100

58 21.2 24.0 36.0#

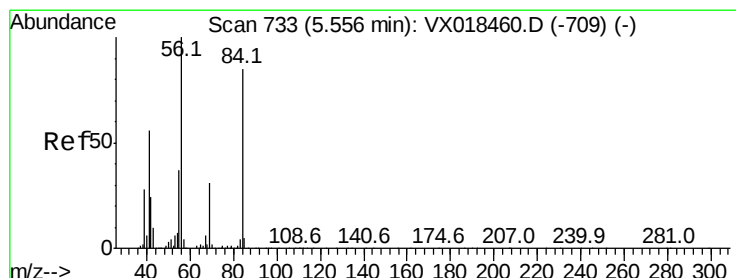
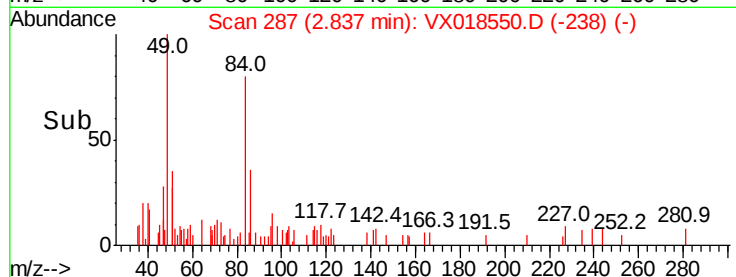
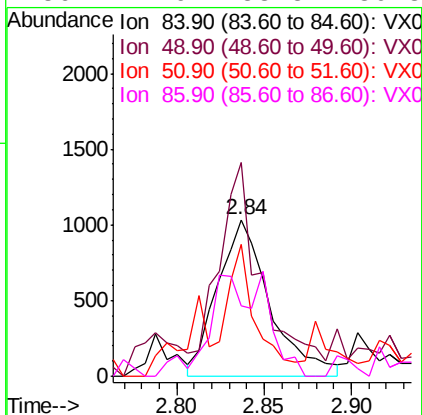
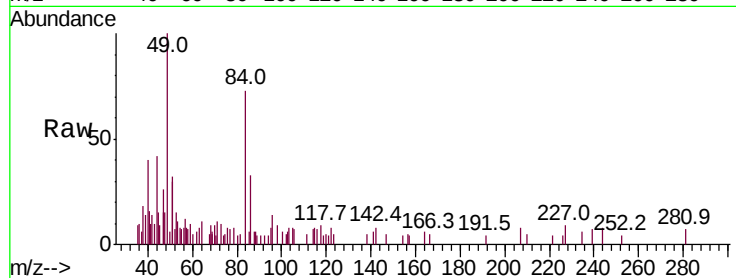




#20
Methvlene Chloride
Concen: 0.395 ug/l
RT: 2.84 min Scan# 287
Delta R.T. -0.00 min
Lab File: VX018550.D
Acq: 23 Sep 2020 21:22

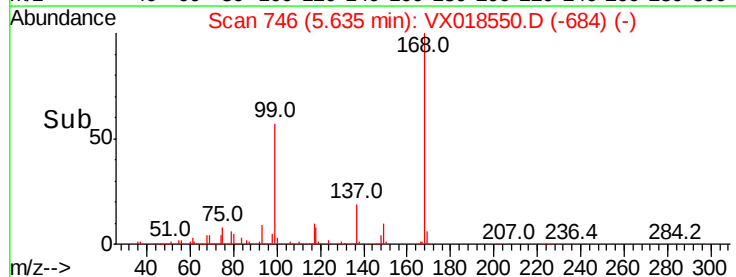
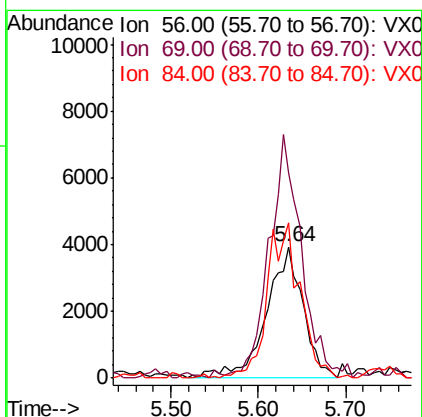
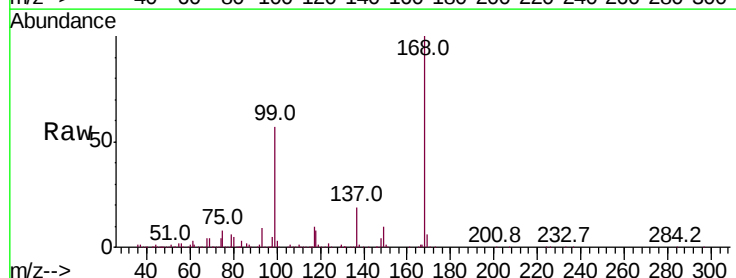
Instrument :
MSVOA_X
ClientSampleId :
RE109D2-20200917

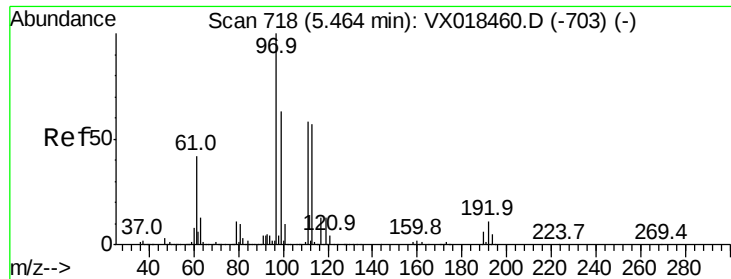
Tot Ion: 84 Resp: 2153
Ion Ratio Lower Upper
84 100
49 130.8 100.6 151.0
51 73.3 30.9 46.3#
86 42.9 53.5 80.3#



#31
Cyclohexane
Concen: 1.470 ug/l
RT: 5.64 min Scan# 746
Delta R.T. 0.08 min
Lab File: VX018550.D
Acq: 23 Sep 2020 21:22

Tgt Ion: 56 Resp: 11492
Ion Ratio Lower Upper
56 100
69 152.4 24.8 37.2#
84 118.1 67.6 101.4#





#32

1,1,1-Trichloroethane

Concen: 0.228 ug/l

RT: 5.47 min Scan# 719

Delta R.T. 0.01 min

Lab File: VX018550.D

Acq: 23 Sep 2020 21:22

Instrument :

MSVOA_X

ClientSampleId :

RE109D2-20200917

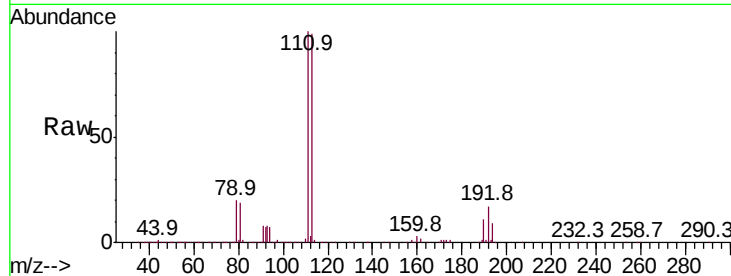
Tot Ion: 97 Resp: 2014

Ion Ratio Lower Upper

97 100

99 0.0 50.5 75.7#

61 33.6 33.4 50.2

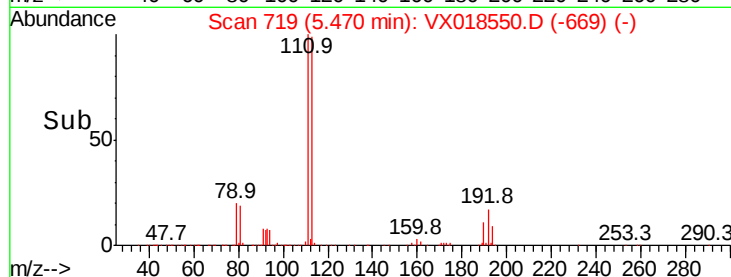


Abundance Ion 96.90 (96.60 to 97.60): VX0

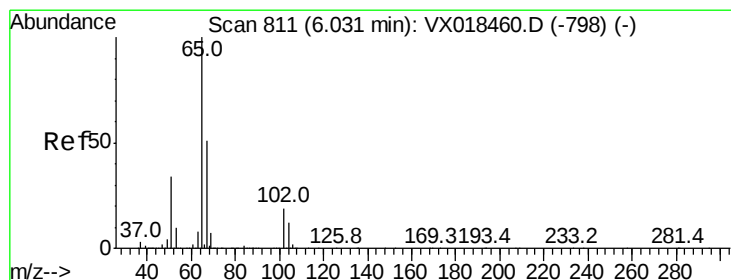
Ion 98.90 (98.60 to 99.60): VX0

Ion 60.90 (60.60 to 61.60): VX0

5.47



Time-->



#33

1,2-Dichloroethane-d4

Concen: 50.097 ug/l

RT: 6.04 min Scan# 812

Delta R.T. 0.01 min

Lab File: VX018550.D

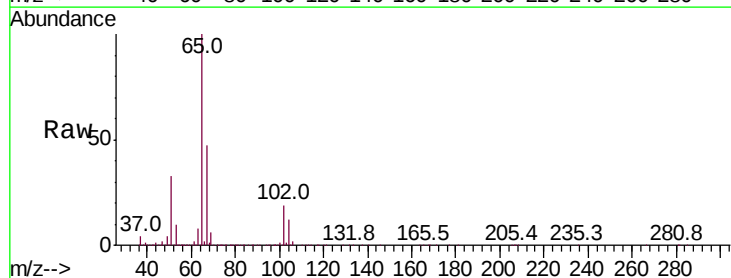
Acq: 23 Sep 2020 21:22

Tgt Ion: 65 Resp: 323622

Ion Ratio Lower Upper

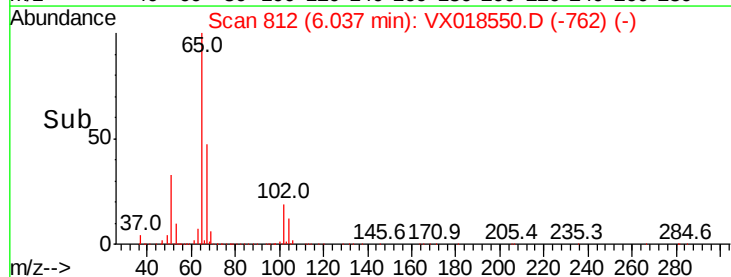
65 100

67 49.8 0.0 105.6

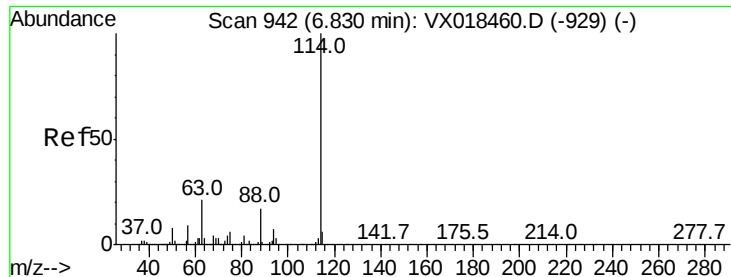


Abundance Ion 64.90 (64.60 to 65.60): VX0

Ion 66.90 (66.60 to 67.60): VX0



Time-->



#34

1,4-Difluorobenzene

Concen: 50.000 ug/l

RT: 6.83 min Scan# 942

Delta R.T. -0.00 min

Lab File: VX018550.D

Acq: 23 Sep 2020 21:22

Instrument :

MSVOA_X

ClientSampleId :

RE109D2-20200917

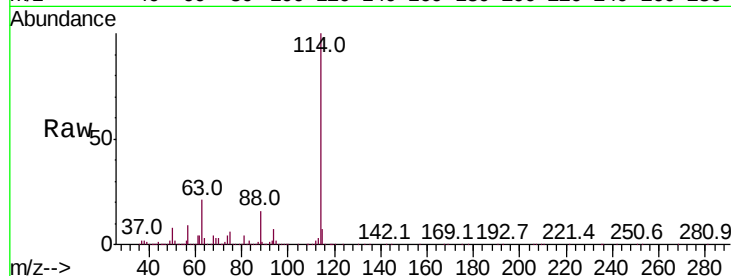
Tot Ion:114 Resp: 732597

Ion Ratio Lower Upper

114 100

63 20.6 0.0 42.8

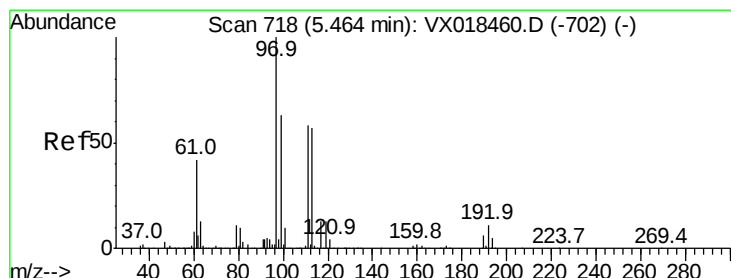
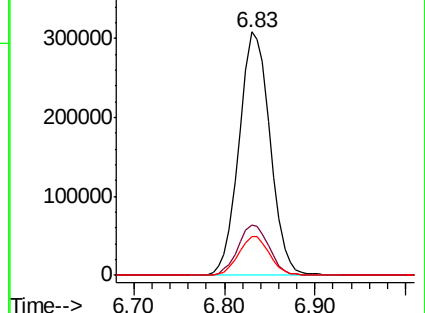
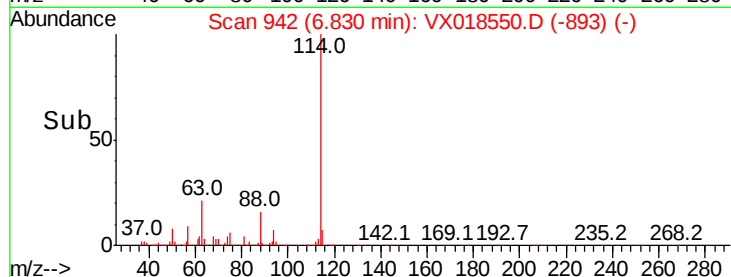
88 16.0 0.0 33.6



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: 50.252 ug/l

RT: 5.47 min Scan# 719

Delta R.T. 0.01 min

Lab File: VX018550.D

Acq: 23 Sep 2020 21:22

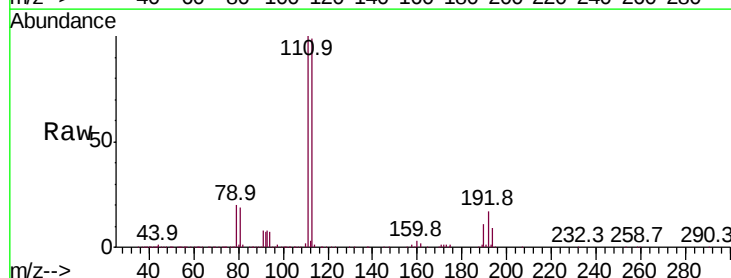
Tgt Ion:113 Resp: 254502

Ion Ratio Lower Upper

113 100

111 100.3 81.4 122.2

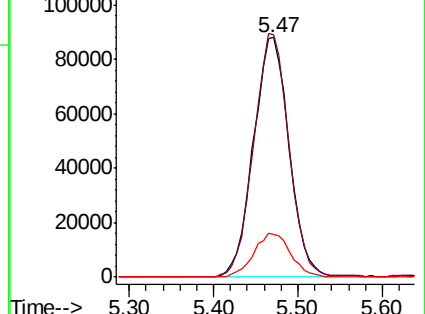
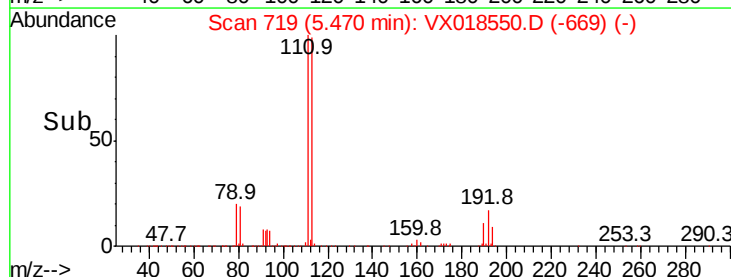
192 18.8 16.6 24.8

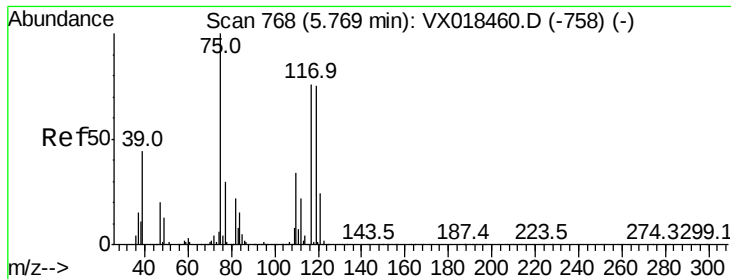


Abundance Ion 112.80 (112.50 to 113.50): V

Ion 110.80 (110.50 to 111.50): V

Ion 191.70 (191.40 to 192.40): V

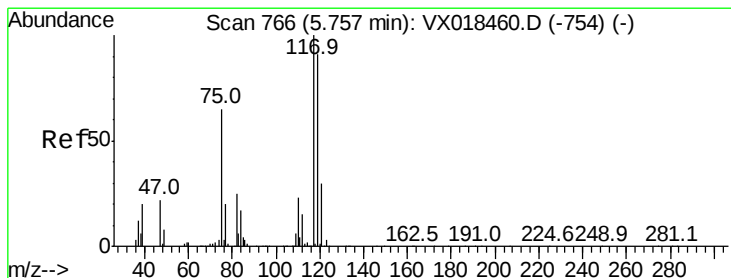
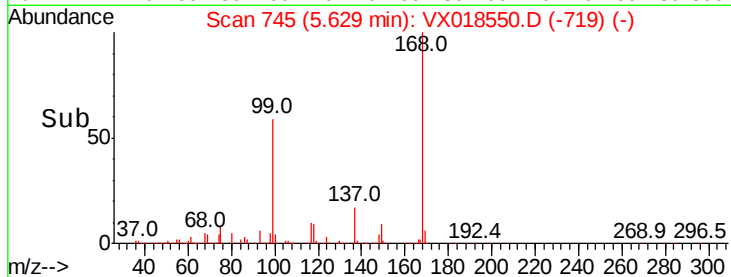
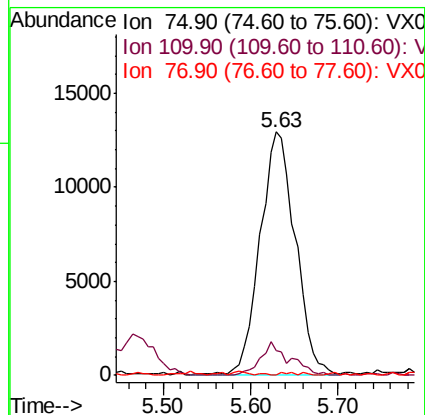
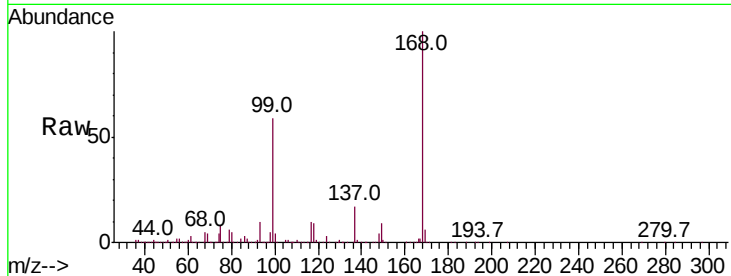




#36
 1,1-Dichloropropene
 Concen: 5.125 ug/l
 RT: 5.63 min Scan# 745
 Delta R.T. -0.14 min
 Lab File: VX018550.D
 Acq: 23 Sep 2020 21:22

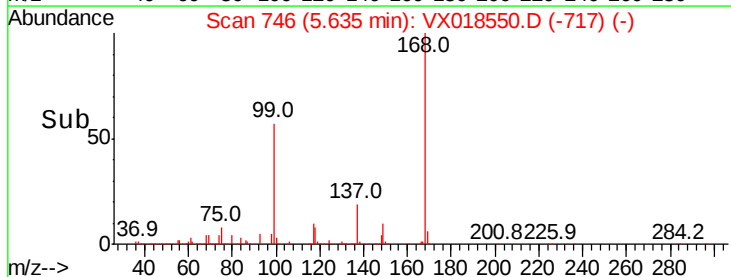
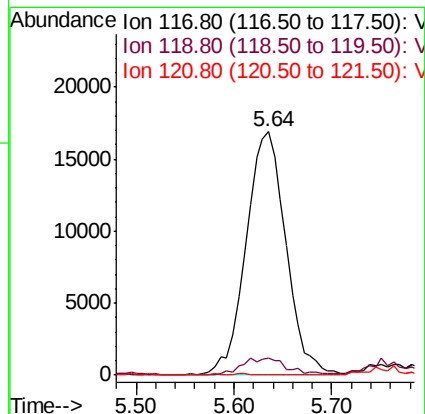
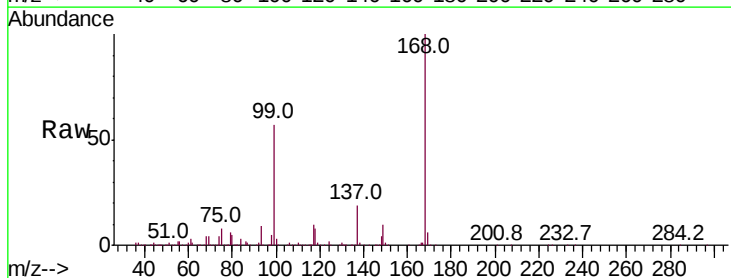
Instrument :
 MSVOA_X
 ClientSampleId :
 RE109D2-20200917

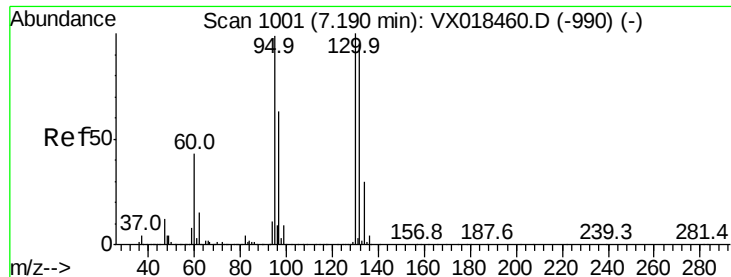
Tot Ion	Ratio	Lower	Upper
75	100		
110	11.2	17.6	52.8#
77	0.4	25.0	37.6#



#38
 Carbon Tetrachloride
 Concen: 6.062 ug/l
 RT: 5.64 min Scan# 746
 Delta R.T. -0.12 min
 Lab File: VX018550.D
 Acq: 23 Sep 2020 21:22

Tgt Ion	Ratio	Lower	Upper
117	100		
119	6.3	72.3	108.5#
121	0.0	23.8	35.8#





#44

Trichloroethene

Concen: 30.384 ug/l

RT: 7.19 min Scan# 1001

Delta R.T. -0.00 min

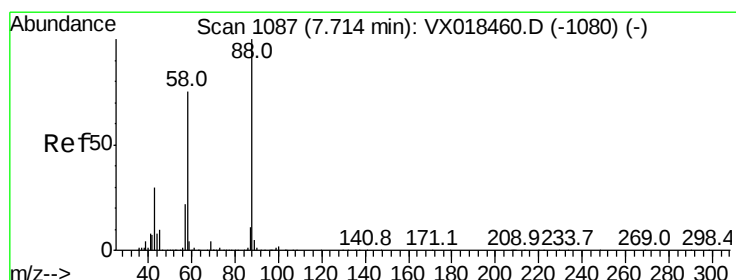
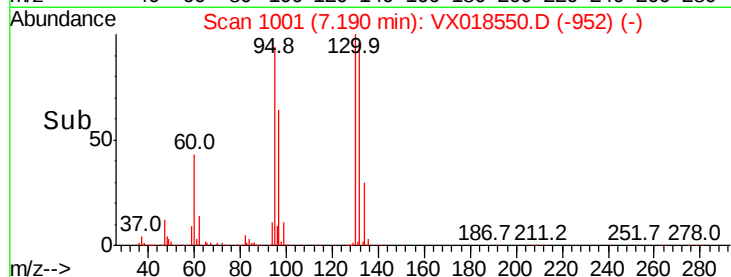
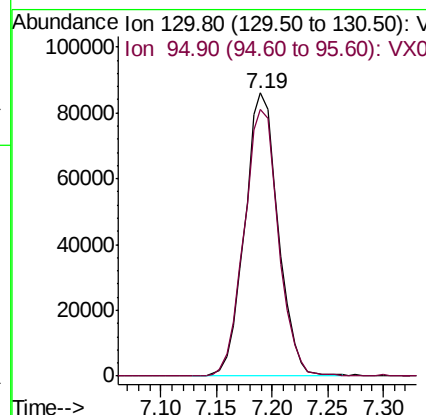
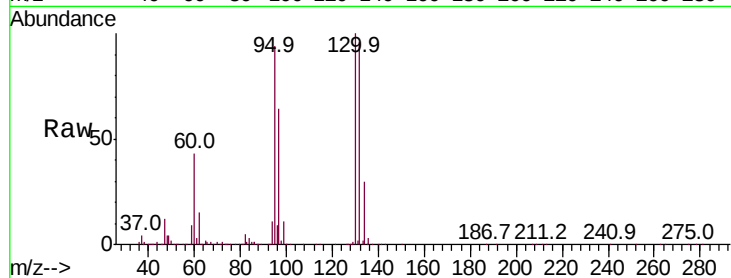
Lab File: VX018550.D

Acq: 23 Sep 2020 21:22

Instrument :
MSVOA_X
ClientSampleId :
RE109D2-20200917

Tot Ion:130 Resp: 179240

Ion	Ratio	Lower	Upper
130	100		
95	94.3	0.0	197.4



#49

1,4-Dioxane

Concen: 0.612 ug/l

RT: 7.70 min Scan# 1085

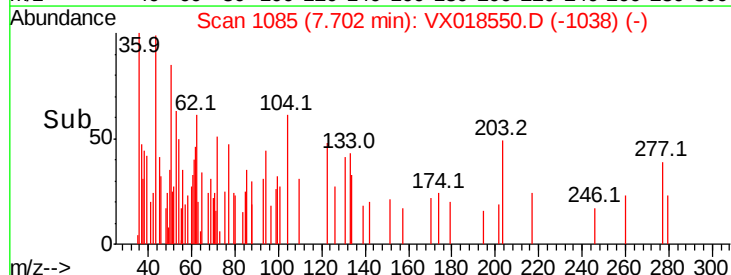
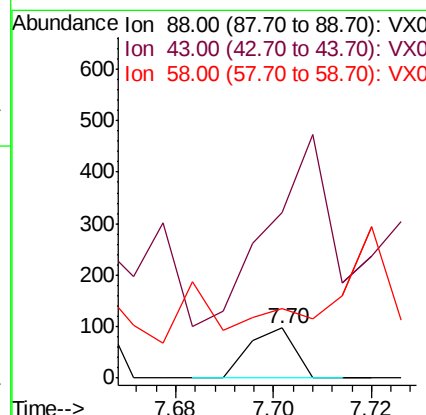
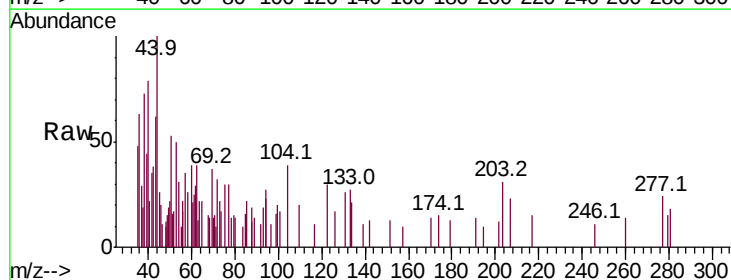
Delta R.T. -0.01 min

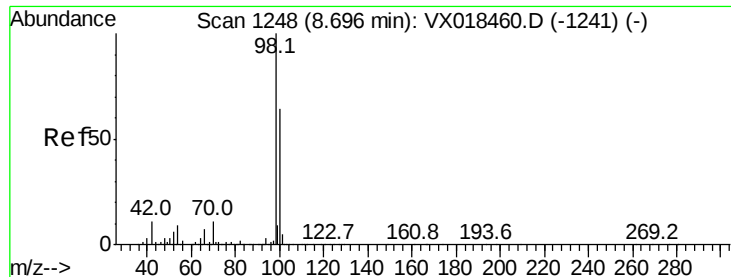
Lab File: VX018550.D

Acq: 23 Sep 2020 21:22

Tgt Ion: 88 Resp: 62

Ion	Ratio	Lower	Upper
88	100		
43	591.9	29.9	44.9#
58	0.0	59.0	88.6#





#50

Toluene-d8

Concen: 48.355 ug/l

RT: 8.70 min Scan# 1248

Delta R.T. -0.00 min

Lab File: VX018550.D

Acq: 23 Sep 2020 21:22

Instrument :

MSVOA_X

ClientSampleId :

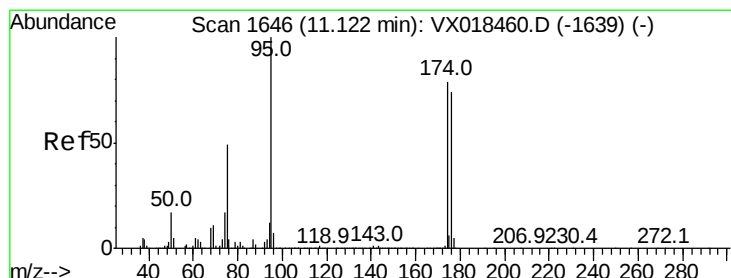
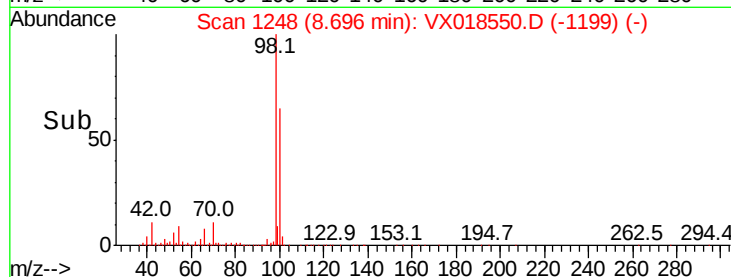
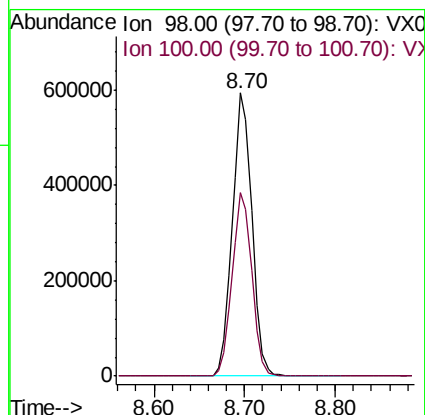
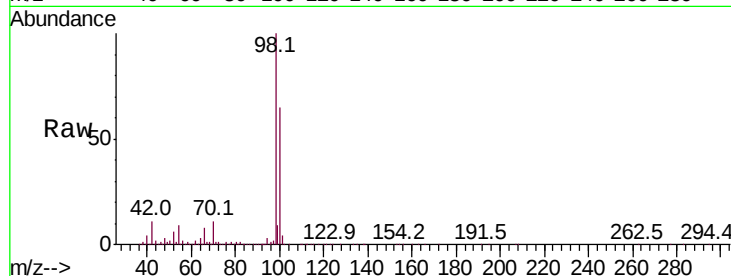
RE109D2-20200917

Tot Ion: 98 Resp: 889796

Ion Ratio Lower Upper

98 100

100 65.1 51.7 77.5



#62

4-Bromofluorobenzene

Concen: 46.758 ug/l

RT: 11.12 min Scan# 1646

Delta R.T. -0.00 min

Lab File: VX018550.D

Acq: 23 Sep 2020 21:22

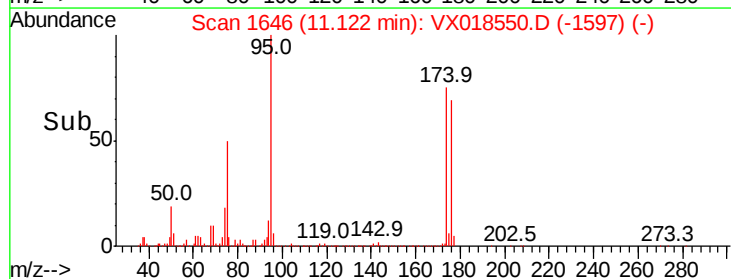
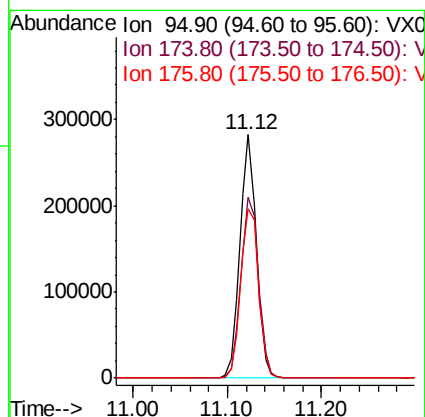
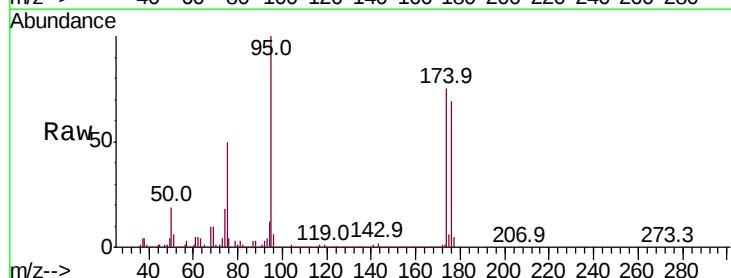
Tgt Ion: 95 Resp: 342248

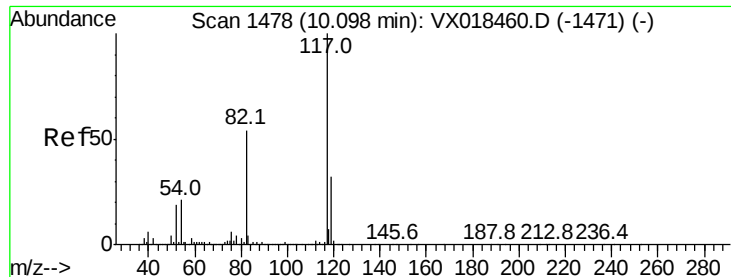
Ion Ratio Lower Upper

95 100

174 80.3 0.0 161.4

176 76.2 0.0 151.4

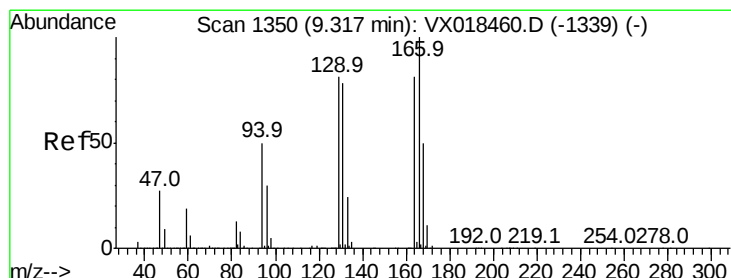
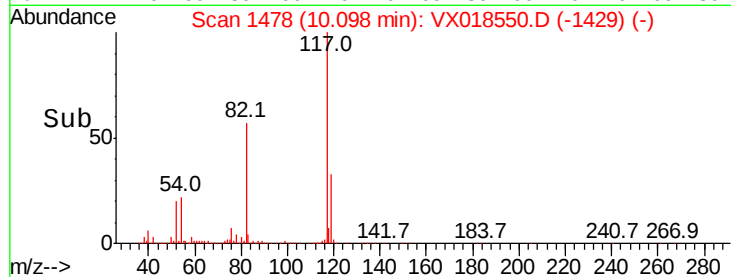
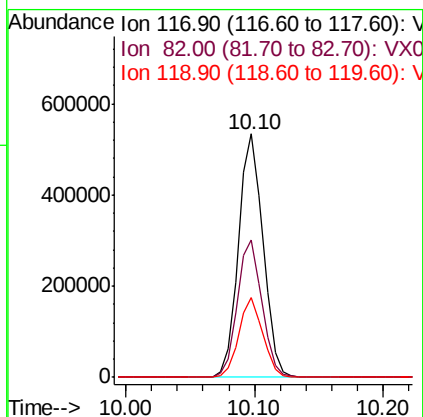
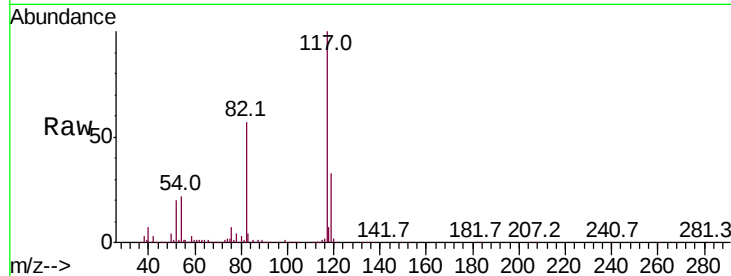




#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 10.10 min Scan# 1478
Delta R.T. -0.00 min
Lab File: VX018550.D
Acq: 23 Sep 2020 21:22

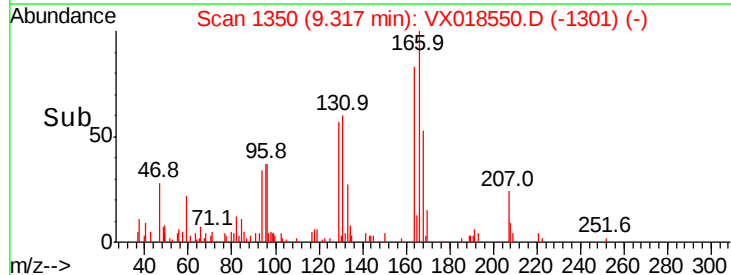
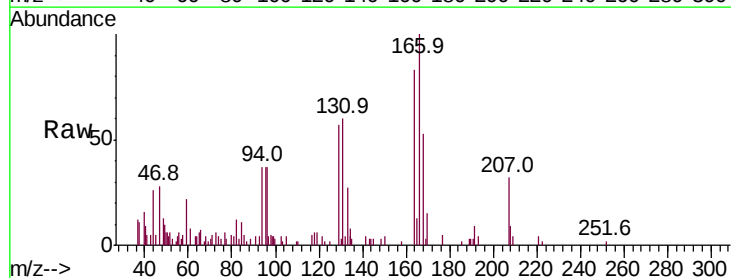
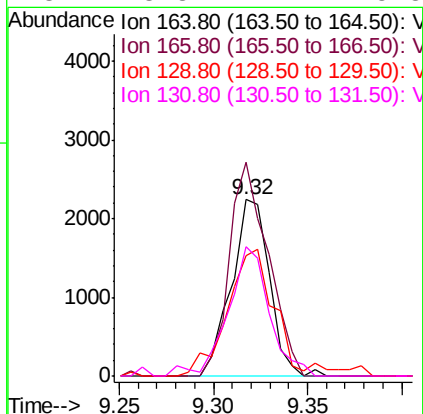
Instrument :
MSVOA_X
ClientSampleId :
RE109D2-20200917

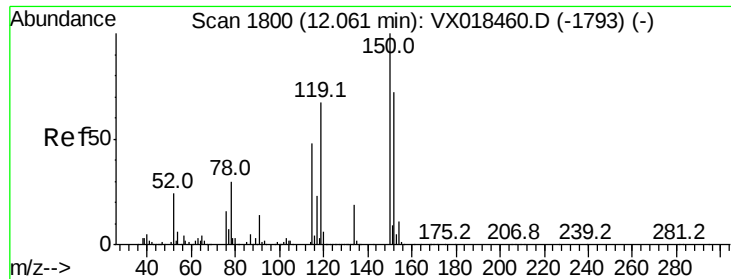
Tot Ion	Ratio	Lower	Upper
117	100		
82	56.6	43.3	64.9
119	32.7	25.9	38.9



#64
Tetrachloroethene
Concen: 0.567 ug/l
RT: 9.32 min Scan# 1350
Delta R.T. -0.00 min
Lab File: VX018550.D
Acq: 23 Sep 2020 21:22

Tgt Ion	Ratio	Lower	Upper
164	100		
166	121.1	99.3	148.9
129	66.3	80.7	121.1#
131	73.3	77.2	115.8#





#72

1,4-Dichlorobenzene-d4

Concen: 50.000 ug/l

RT: 12.06 min Scan# 1800

Delta R.T. -0.00 min

Lab File: VX018550.D

Acq: 23 Sep 2020 21:22

Instrument :

MSVOA_X

ClientSampleId :

RE109D2-20200917

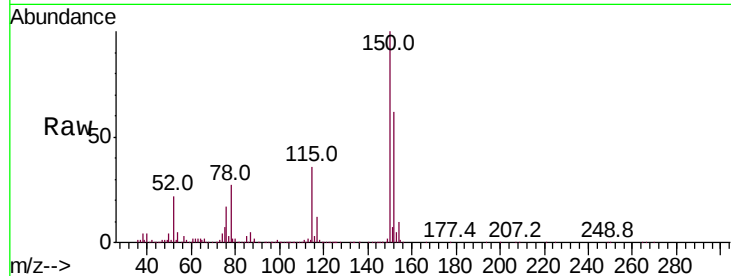
Tot Ion:152 Resp: 370524

Ion Ratio Lower Upper

152 100

115 57.0 41.8 125.4

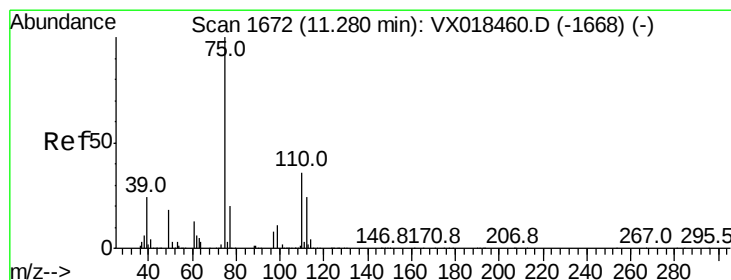
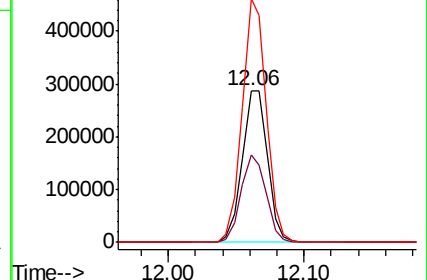
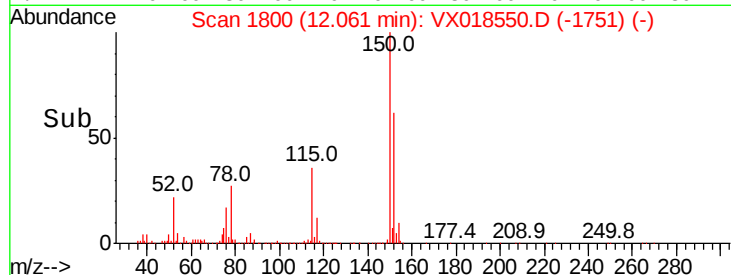
150 153.1 0.0 342.4



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: 22.615 ug/l

RT: 11.12 min Scan# 1646

Delta R.T. -0.16 min

Lab File: VX018550.D

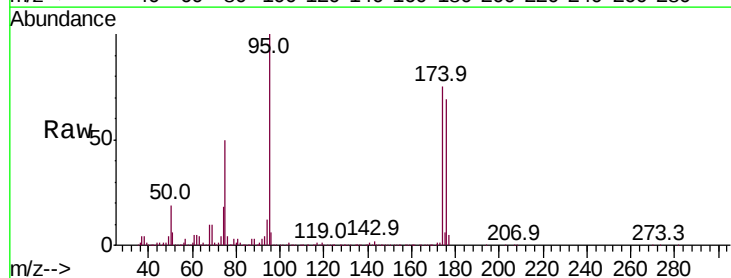
Acq: 23 Sep 2020 21:22

Tgt Ion: 75 Resp: 176089

Ion Ratio Lower Upper

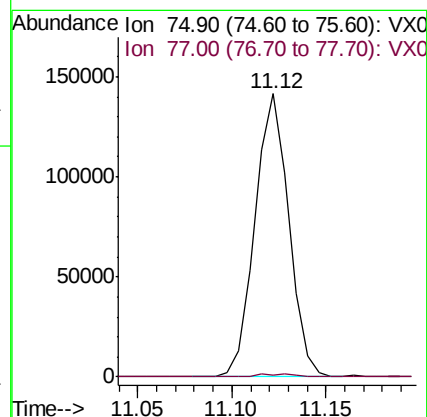
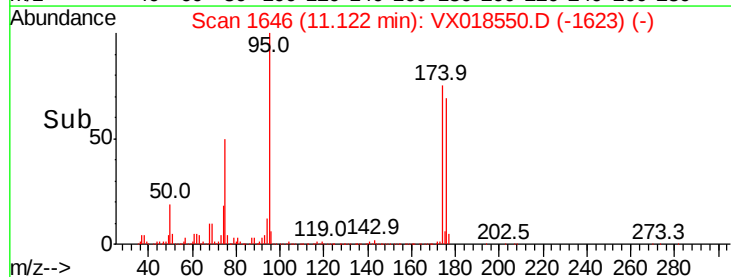
75 100

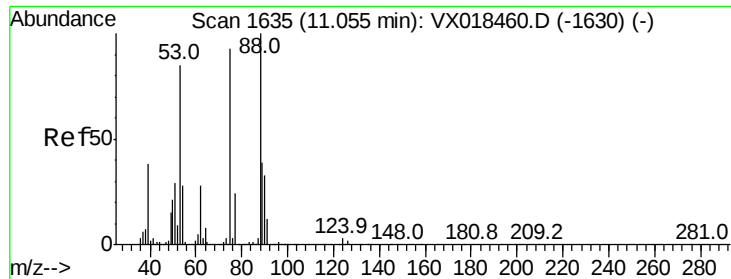
77 1.4 20.9 62.7#



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: 57.951 ug/l

RT: 11.12 min Scan# 1646

Delta R.T. 0.07 min

Lab File: VX018550.D

Acq: 23 Sep 2020 21:22

Instrument :

MSVOA_X

ClientSampleId :

RE109D2-20200917

Tot Ion: 75 Resp: 176089

Ion Ratio Lower Upper

75 100

53 0.2 74.6 111.8#

89 0.0 36.2 54.4#

