

Data Path : Z:\VOASRV\HPCHEM1\MSVOA X\DATA\WX083120\
 Data File : VX018172.D
 Acq On : 01 Sep 2020 01:47
 Operator : JC/SP
 Sample : L3828-10
 Misc : 5.0mL/MSVOA X/WATER
 ALS Vial : 39 Sample Multiplier: 1

Instrument :
 MSVOA_X
 ClientSampleId :
 BS-2

Quant Time: Sep 01 05:44:39 2020
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_X\METHOD\82X082120W.M
 Quant Title : SW846 8260
 QLast Update : Fri Aug 21 03:03:56 2020
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Pentafluorobenzene	5.63	168	446631	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	6.83	114	727159	50.00	ug/l	0.00
63) Chlorobenzene-d5	10.10	117	715225	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	12.06	152	326758	50.00	ug/l	0.00

System Monitoring Compounds	R.T.	QIon	Response	Conc	Units	Dev(Min)
33) 1,2-Dichloroethane-d4	6.03	65	325704	52.53	ug/l	0.00
Spiked Amount			Recovery	=	105.06%	
35) Dibromofluoromethane	5.46	113	252950	51.08	ug/l	0.00
Spiked Amount			Recovery	=	102.16%	
50) Toluene-d8	8.70	98	928855	50.36	ug/l	0.00
Spiked Amount			Recovery	=	100.72%	
62) 4-Bromofluorobenzene	11.12	95	336378	46.35	ug/l	0.00
Spiked Amount			Recovery	=	92.70%	

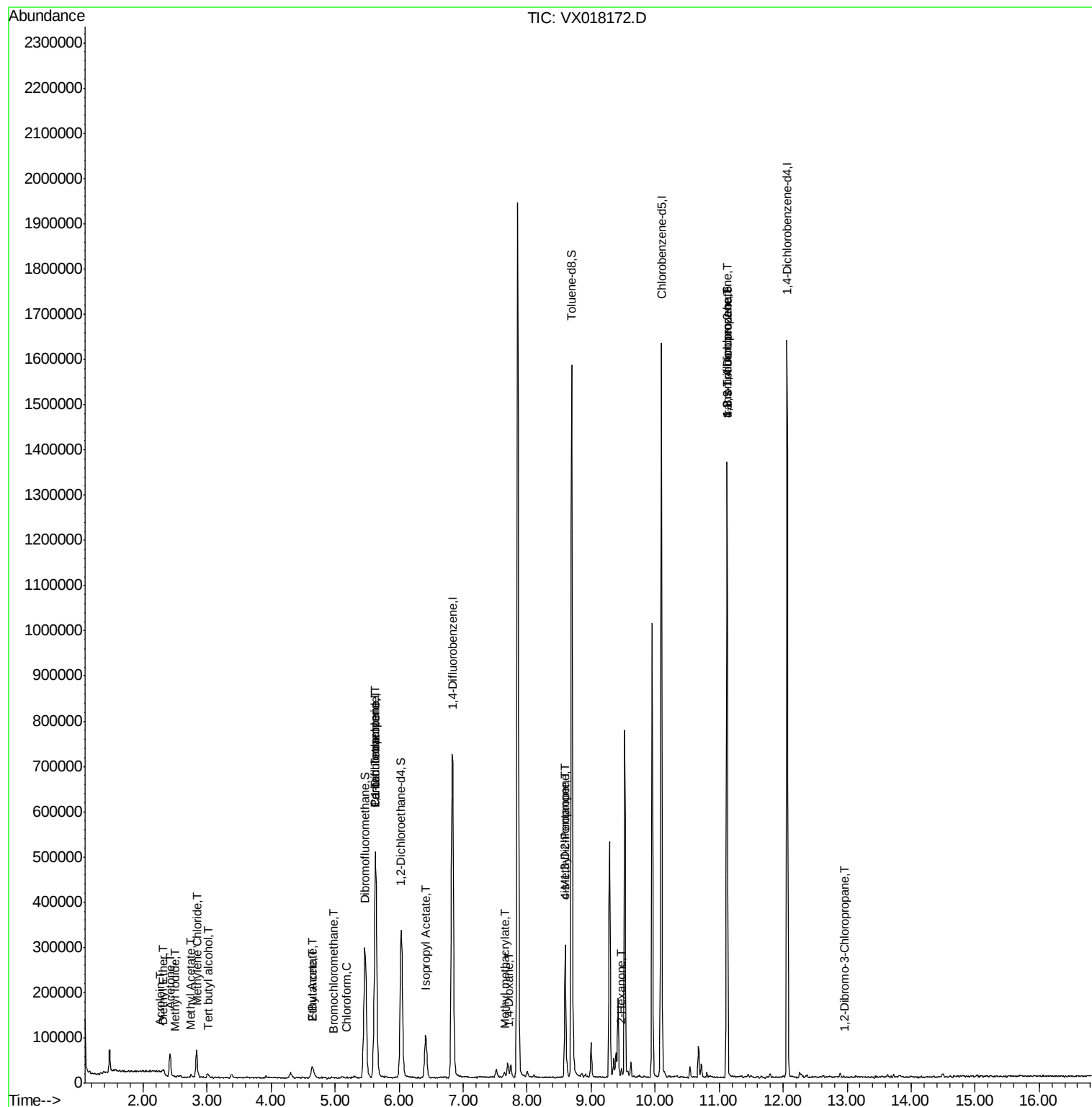
Target Compounds	R.T.	QIon	Response	Conc	Units	Qvalue
8) Diethyl Ether	2.30	74	630	0.239	ug/l	62
10) Methyl Iodide	2.50	142	693	5.424	ug/l #	85
11) Tert butyl alcohol	3.02	59	8715	7.229	ug/l	99
13) Acrolein	2.27	56	275	0.550	ug/l #	77
16) Acetone	2.42	43	57021	23.601	ug/l	94
18) Methyl Acetate	2.75	43	7465	1.280	ug/l #	83
20) Methylene Chloride	2.84	84	28645	4.741	ug/l	95
25) 2-Butanone	4.64	43	36977	9.313	ug/l	97
28) Bromochloromethane	4.99	49	873	0.205	ug/l #	23
30) Chloroform	5.18	83	2174	0.238	ug/l #	69
36) 1,1-Dichloropropene	5.63	75	35226	5.252	ug/l #	51
37) Ethyl Acetate	4.64	43	36977	4.747	ug/l #	71
38) Carbon Tetrachloride	5.62	117	46667	6.174	ug/l #	19
43) Isopropyl Acetate	6.42	43	129465	10.290	ug/l	99
48) Methyl methacrylate	7.65	41	8586	1.371	ug/l #	17
49) 1,4-Dioxane	7.72	88	299	2.635	ug/l #	1
51) 4-Methyl-2-Pentanone	8.59	43	110278	14.189	ug/l #	47
54) cis-1,3-Dichloropropene	8.59	75	44971	5.136	ug/l #	61
59) 2-Hexanone	9.48	43	10248	1.734	ug/l	99
76) 1,2,3-Trichloropropane	11.12	75	177143	24.370	ug/l #	36
81) trans-1,4-Dichloro-2-buten	11.12	75	177143	65.820	ug/l #	12
92) 1,2-Dibromo-3-Chloropropan	12.97	75	502	0.264	ug/l #	4

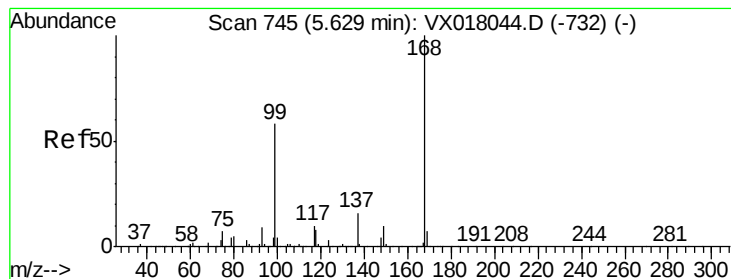
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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Quant Time: Sep 01 05:44:39 2020
Quant Method : Z:\V0ASRV\HPCHEM1\MSVOA_X\METHOD\82X082120W.M
Quant Title : SW846 8260
QLast Update : Fri Aug 21 03:03:56 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: VX018172.D

Acq: 01 Sep 2020 01:47

Instrument :

MSVOA_X

ClientSampleId :

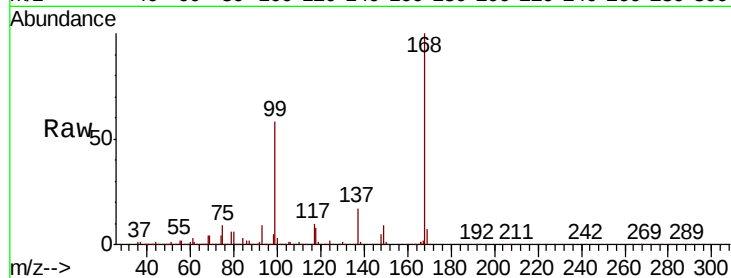
BS-2

Tot Ion:168 Resp: 446631

Ion Ratio Lower Upper

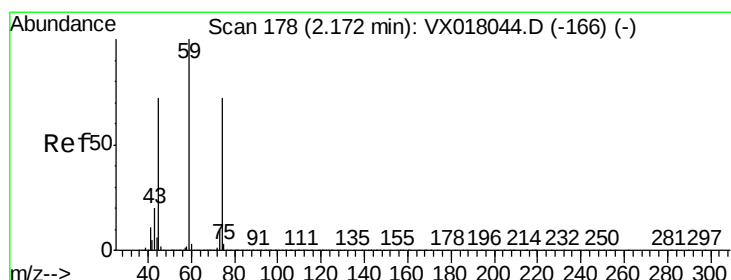
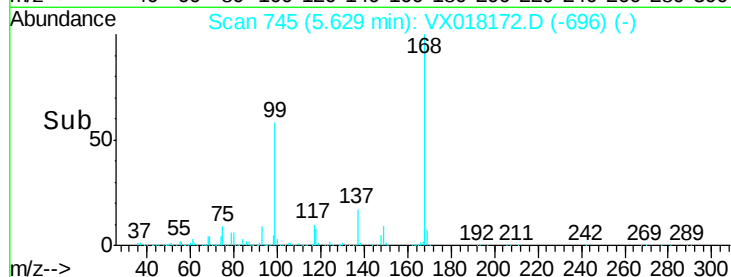
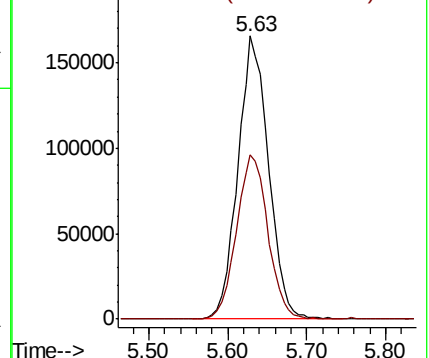
168 100

99 58.1 46.3 69.5



Abundance Ion 167.90 (167.60 to 168.60): V

Ion 98.90 (98.60 to 99.60): VX0



#8

Diethyl Ether

Concen: 0.239 ug/l

RT: 2.30 min Scan# 199

Delta R.T. 0.13 min

Lab File: VX018172.D

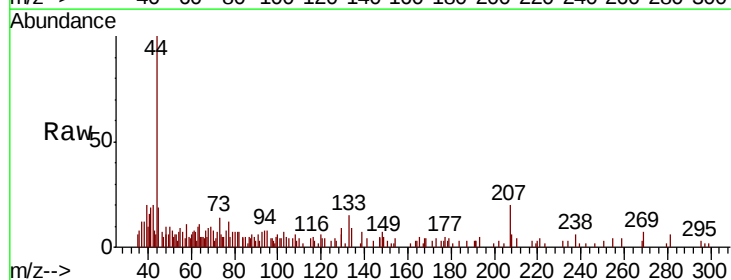
Acq: 01 Sep 2020 01:47

Tgt Ion: 74 Resp: 630

Ion Ratio Lower Upper

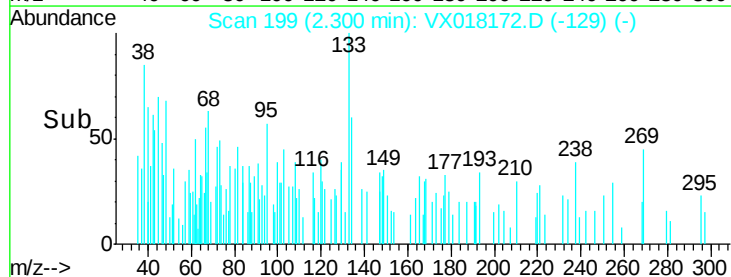
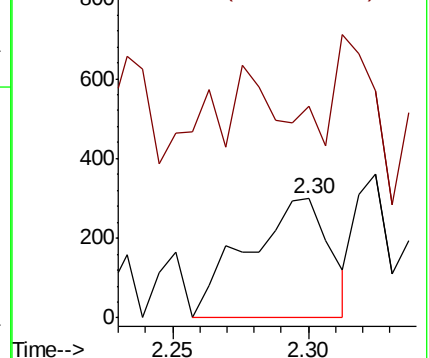
74 100

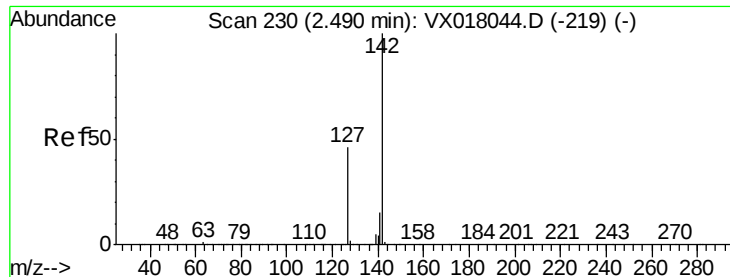
45 63.5 50.7 152.3



Abundance Ion 74.00 (73.70 to 74.70): VX0

Ion 45.00 (44.70 to 45.70): VX0

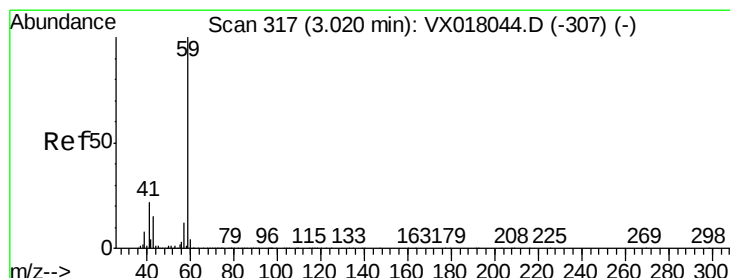
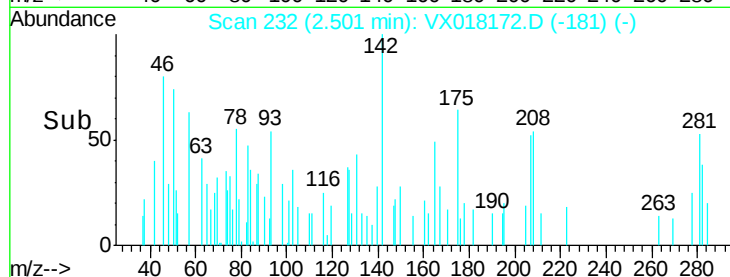
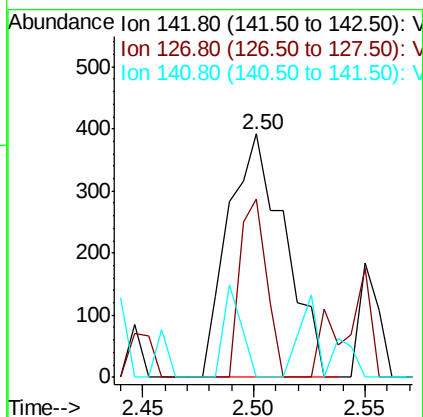
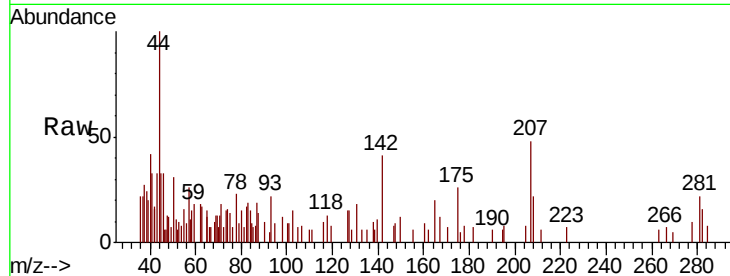




#10
Methvl Iodide
Concen: 5.424 ug/l
RT: 2.50 min Scan# 232
Delta R.T. 0.01 min
Lab File: VX018172.D
Acq: 01 Sep 2020 01:47

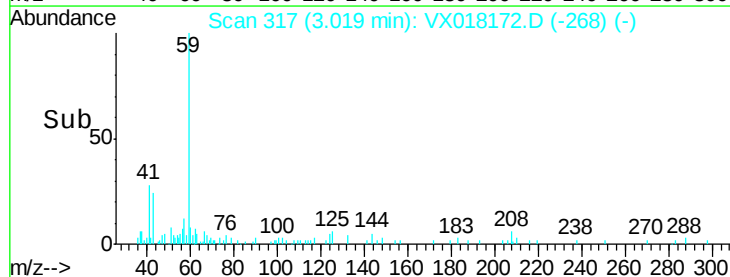
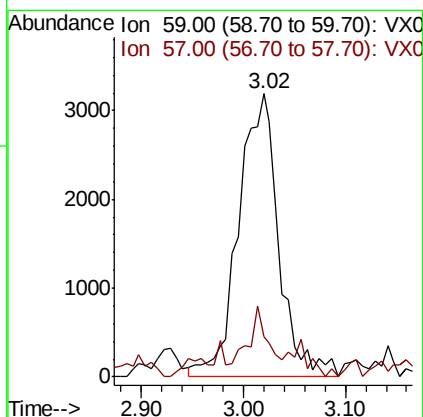
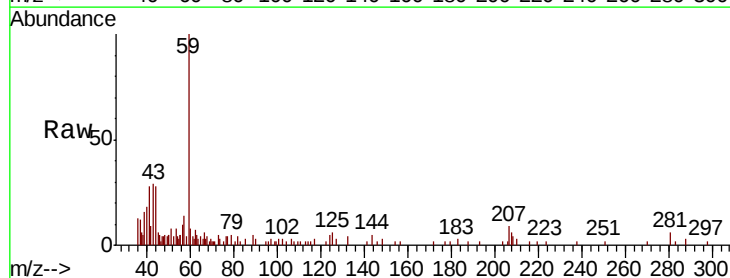
Instrument :
MSVOA_X
ClientSampled :
BS-2

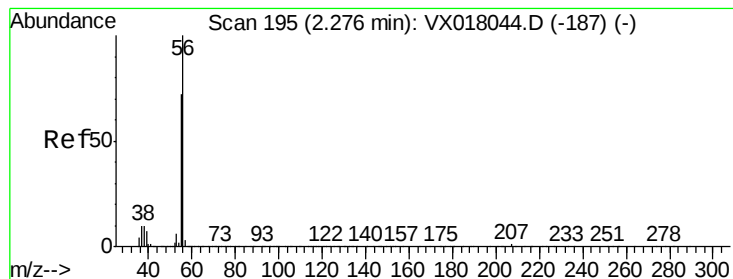
Tot Ion:142 Resp: 693
Ion Ratio Lower Upper
142 100
127 34.5 37.0 55.6#
141 11.7 11.5 17.3



#11
Tert butyl alcohol
Concen: 7.229 ug/l
RT: 3.02 min Scan# 317
Delta R.T. -0.00 min
Lab File: VX018172.D
Acq: 01 Sep 2020 01:47

Tgt Ion: 59 Resp: 8715
Ion Ratio Lower Upper
59 100
57 10.9 8.9 13.3





#13

Acrolein

Concen: 0.550 ug/l

RT: 2.27 min Scan# 194

Delta R.T. -0.01 min

Lab File: VX018172.D

Acq: 01 Sep 2020 01:47

Instrument :

MSVOA_X

ClientSampled :

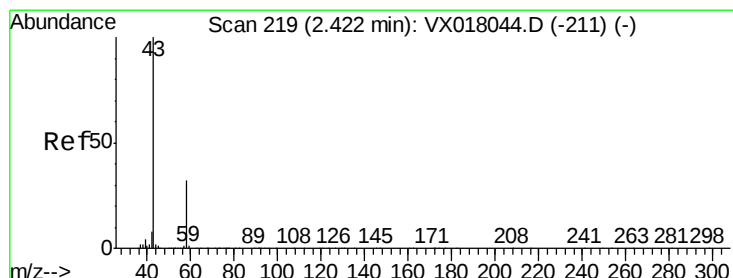
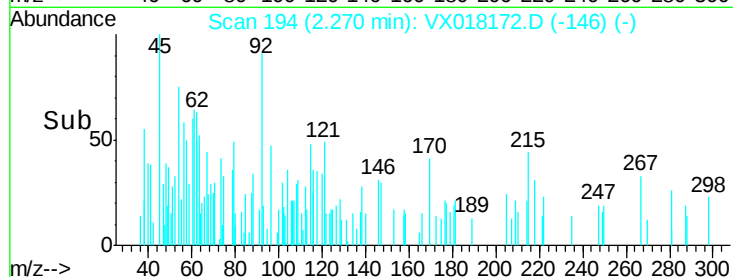
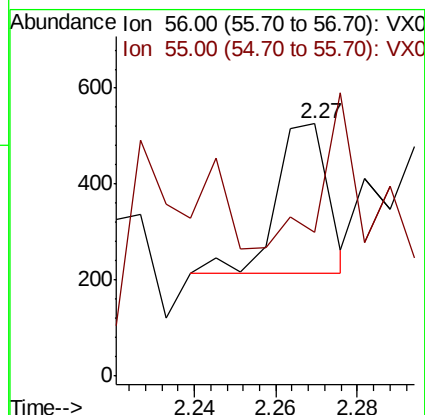
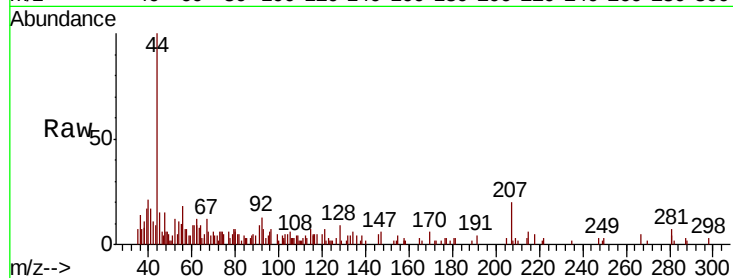
BS-2

Tot Ion: 56 Resp: 275

Ion Ratio Lower Upper

56 100

55 90.2 57.0 85.6#



#16

Acetone

Concen: 23.601 ug/l

RT: 2.42 min Scan# 219

Delta R.T. -0.00 min

Lab File: VX018172.D

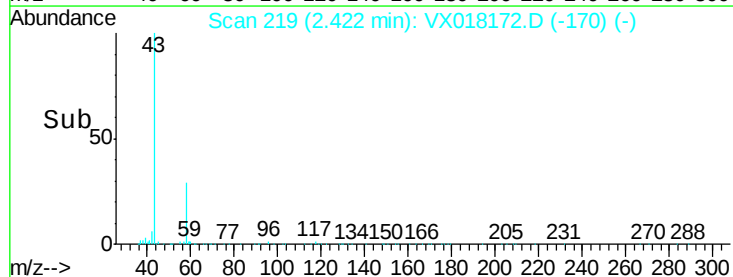
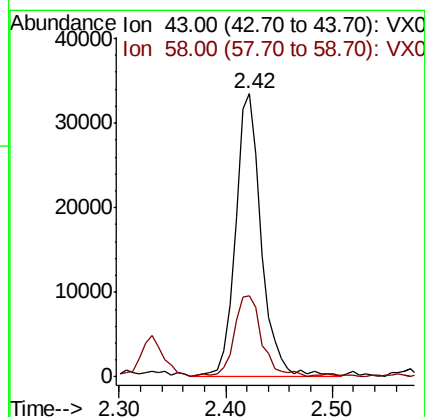
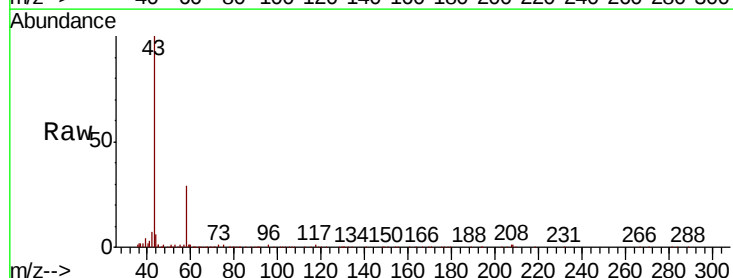
Acq: 01 Sep 2020 01:47

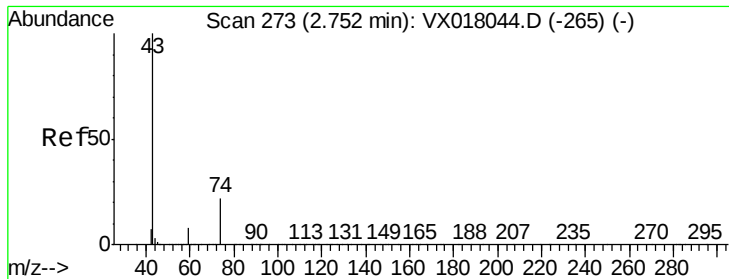
Tgt Ion: 43 Resp: 57021

Ion Ratio Lower Upper

43 100

58 28.6 25.5 38.3

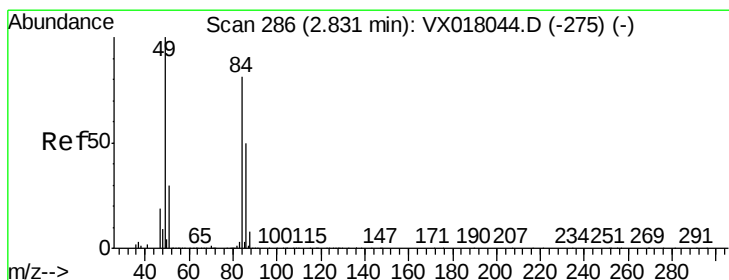
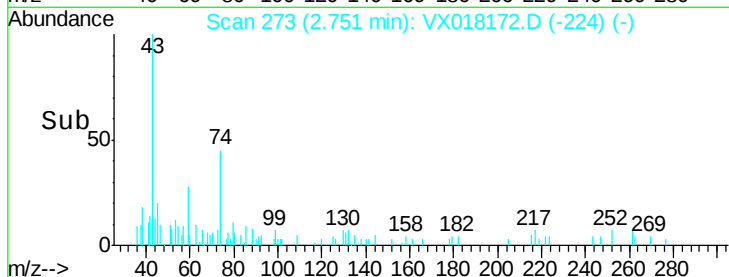
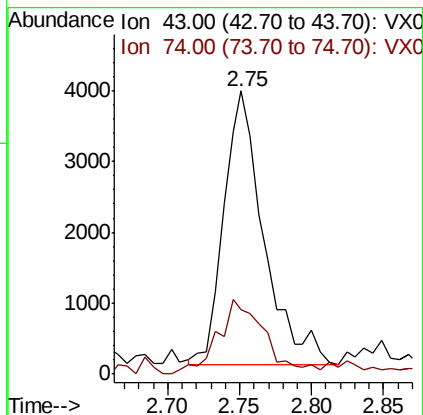
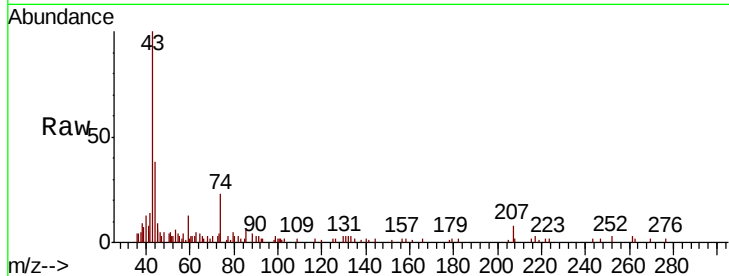




#18
Methyl Acetate
Concen: 1.280 ug/l
RT: 2.75 min Scan# 273
Delta R.T. -0.00 min
Lab File: VX018172.D
Acq: 01 Sep 2020 01:47

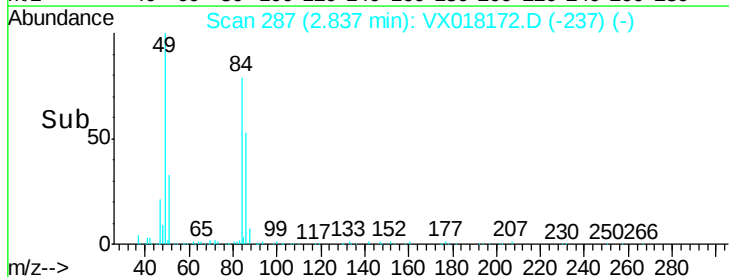
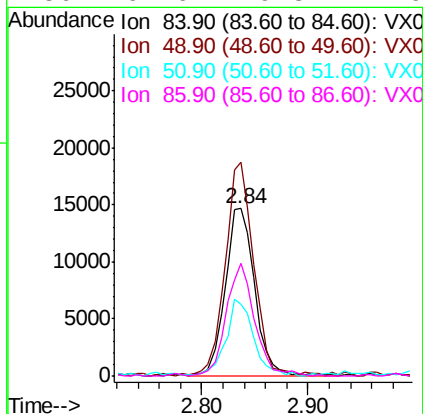
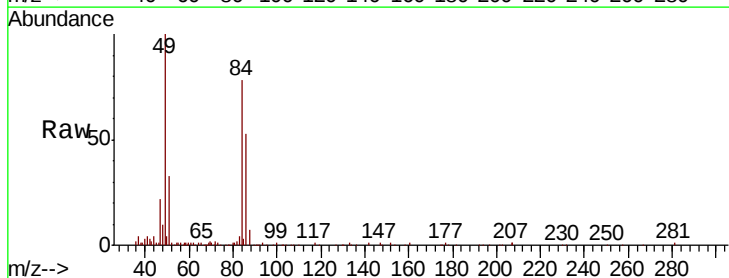
Instrument :
MSVOA_X
ClientSampleId :
BS-2

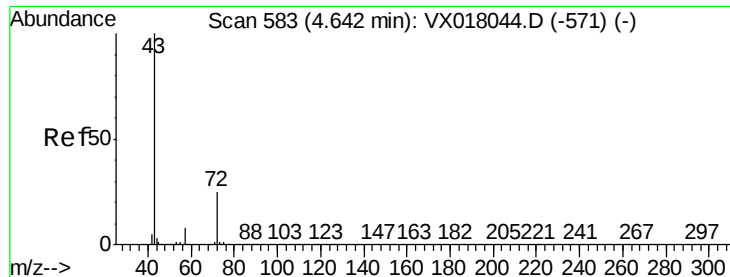
Tot Ion: 43 Resp: 7465
Ion Ratio Lower Upper
43 100
74 31.0 18.2 27.4#



#20
Methylene Chloride
Concen: 4.741 ug/l
RT: 2.84 min Scan# 287
Delta R.T. 0.01 min
Lab File: VX018172.D
Acq: 01 Sep 2020 01:47

Tgt Ion: 84 Resp: 28645
Ion Ratio Lower Upper
84 100
49 126.6 98.6 148.0
51 41.6 29.6 44.4
86 67.6 49.8 74.6





#25

2-Butanone

Concen: 9.313 ug/l

RT: 4.64 min Scan# 583

Delta R.T. -0.00 min

Lab File: VX018172.D

Acq: 01 Sep 2020 01:47

Instrument :

MSVOA_X

ClientSampled :

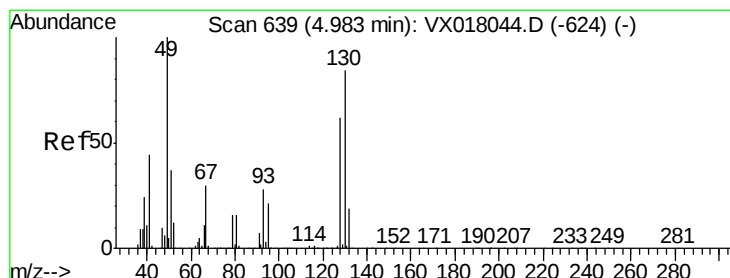
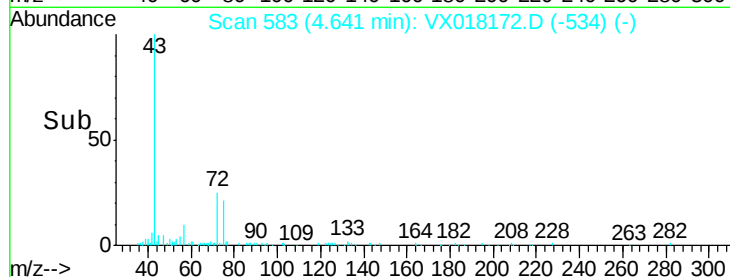
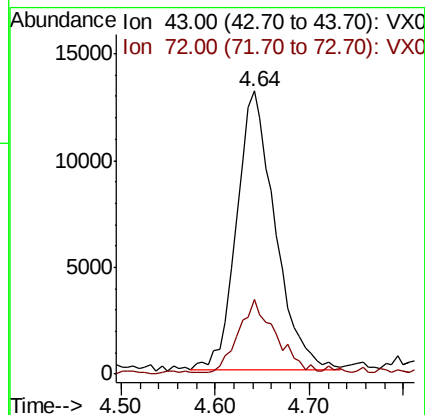
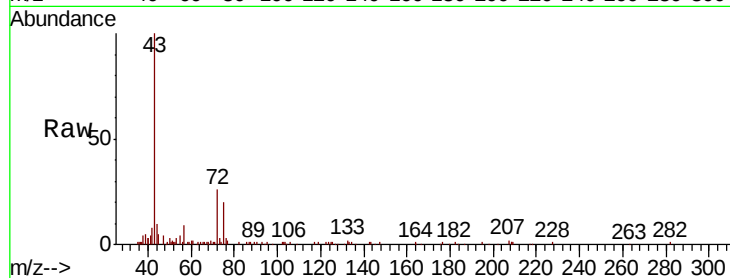
BS-2

Tot Ion: 43 Resp: 36977

Ion Ratio Lower Upper

43 100

72 26.0 19.8 29.6



#28

Bromochloromethane

Concen: 0.205 ug/l

RT: 4.99 min Scan# 640

Delta R.T. 0.01 min

Lab File: VX018172.D

Acq: 01 Sep 2020 01:47

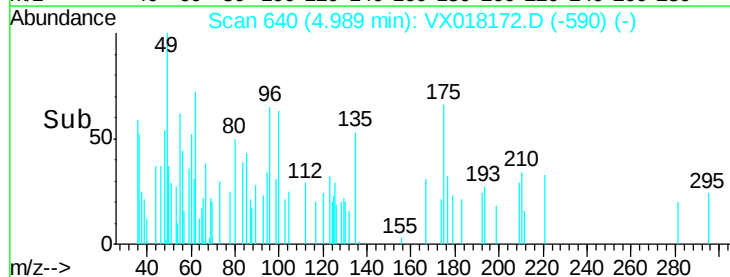
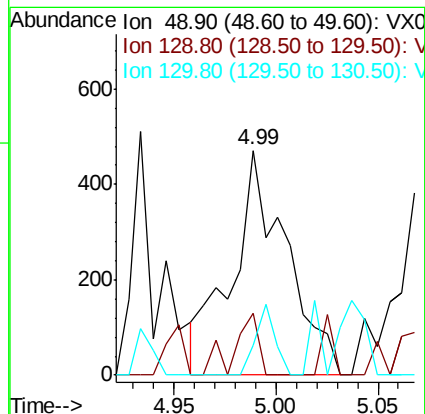
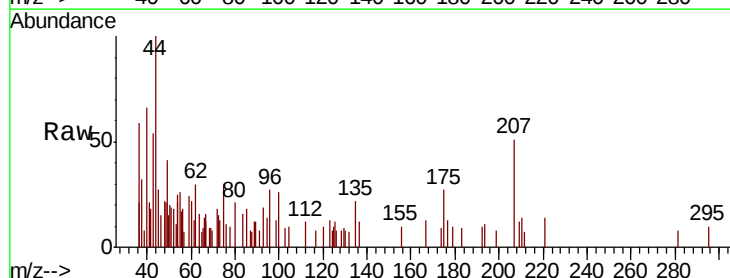
Tgt Ion: 49 Resp: 873

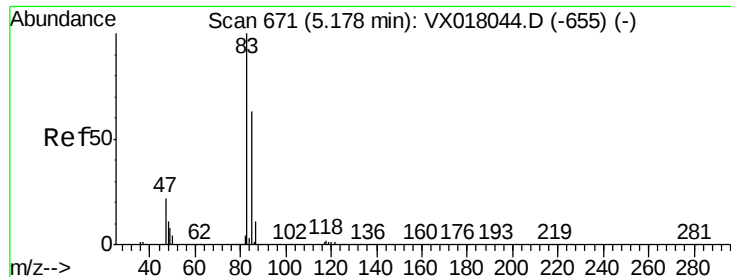
Ion Ratio Lower Upper

49 100

129 12.3 0.0 4.6#

130 11.3 64.6 96.8#

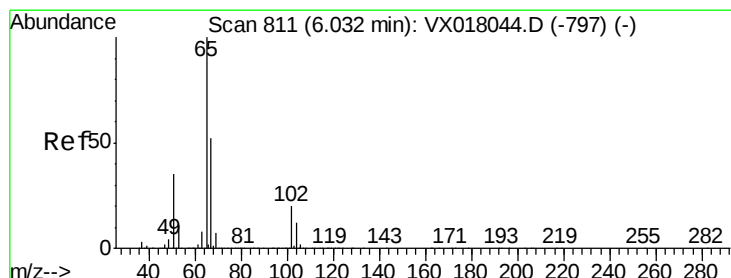
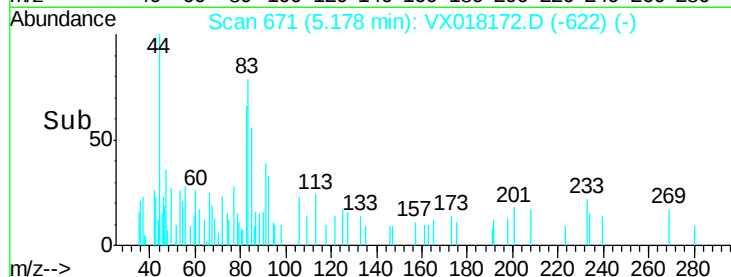
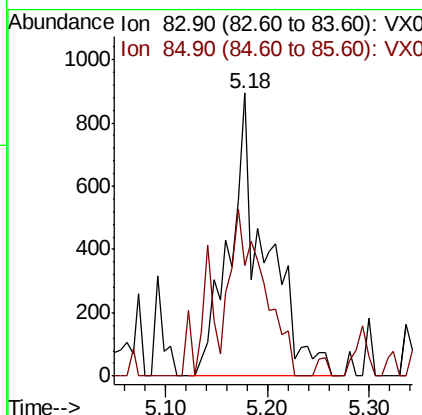
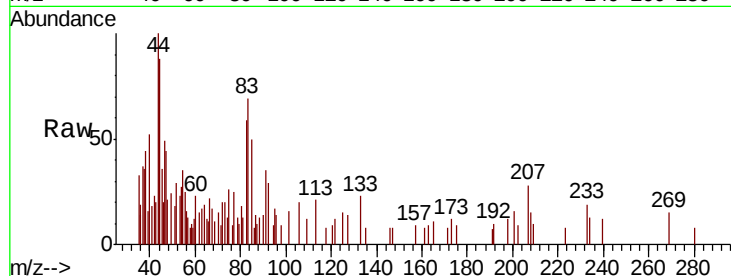




#30
Chloroform
Concen: 0.238 ug/l
RT: 5.18 min Scan# 671
Delta R.T. -0.00 min
Lab File: VX018172.D
Acq: 01 Sep 2020 01:47

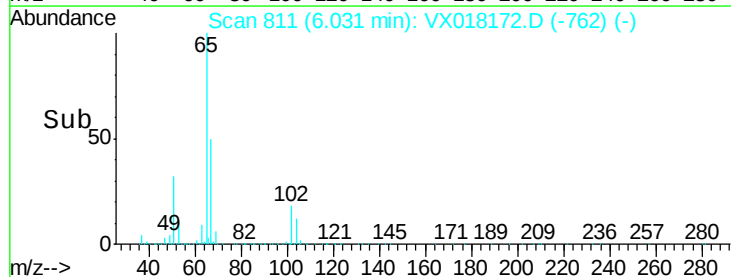
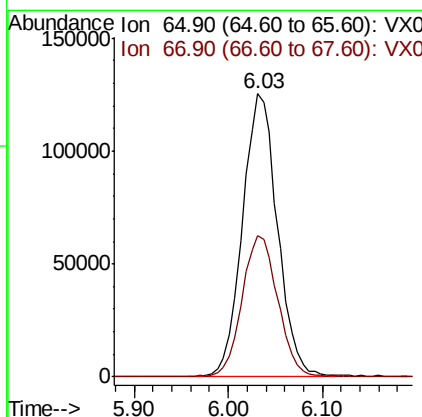
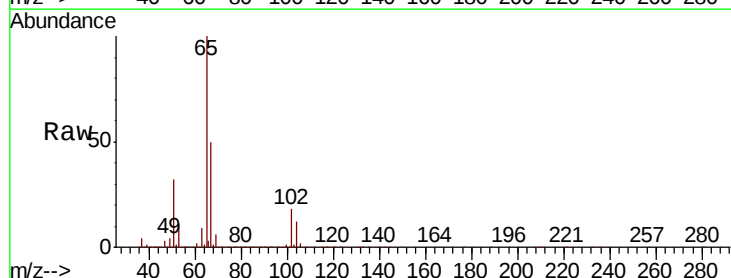
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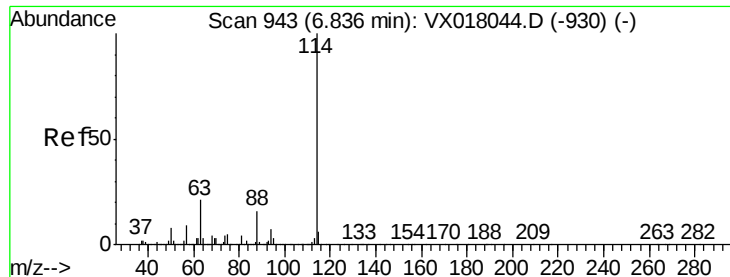
Tot Ion: 83 Resp: 2174
Ion Ratio Lower Upper
83 100
85 38.9 50.7 76.1#



#33
1,2-Dichloroethane-d4
Concen: 52.530 ug/l
RT: 6.03 min Scan# 811
Delta R.T. -0.00 min
Lab File: VX018172.D
Acq: 01 Sep 2020 01:47

Tgt Ion: 65 Resp: 325704
Ion Ratio Lower Upper
65 100
67 51.6 0.0 105.8





#34

1,4-Difluorobenzene

Concen: 50.000 ug/l

RT: 6.83 min Scan# 942

Delta R.T. -0.01 min

Lab File: VX018172.D

Acq: 01 Sep 2020 01:47

Instrument :

MSVOA_X

ClientSampleId :

BS-2

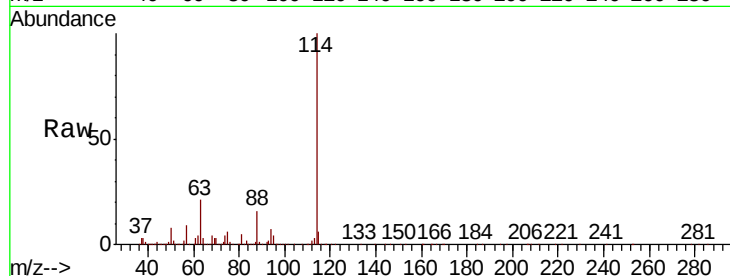
Tot Ion:114 Resp: 727159

Ion Ratio Lower Upper

114 100

63 20.8 0.0 42.6

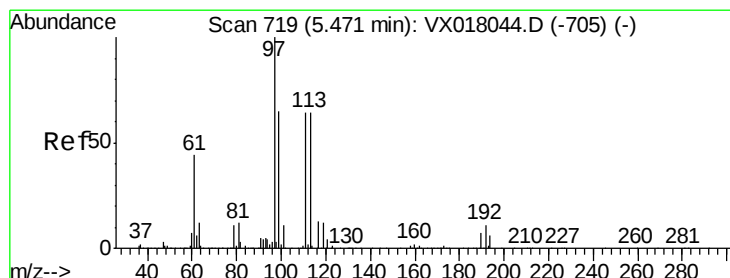
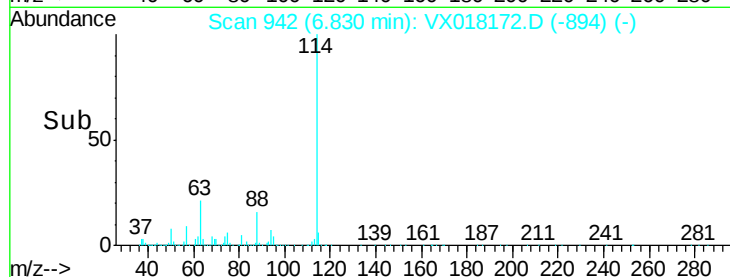
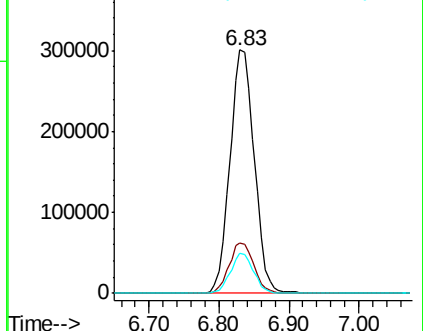
88 16.4 0.0 31.8



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: 51.077 ug/l

RT: 5.46 min Scan# 718

Delta R.T. -0.01 min

Lab File: VX018172.D

Acq: 01 Sep 2020 01:47

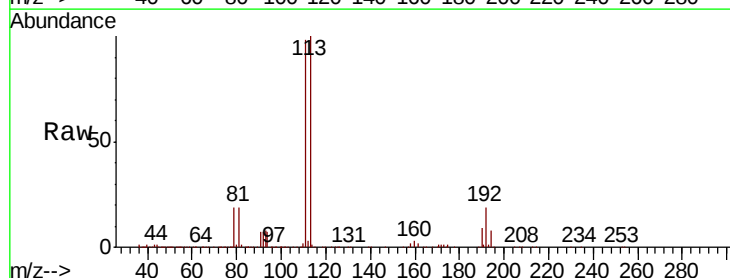
Tgt Ion:113 Resp: 252950

Ion Ratio Lower Upper

113 100

111 101.1 81.6 122.4

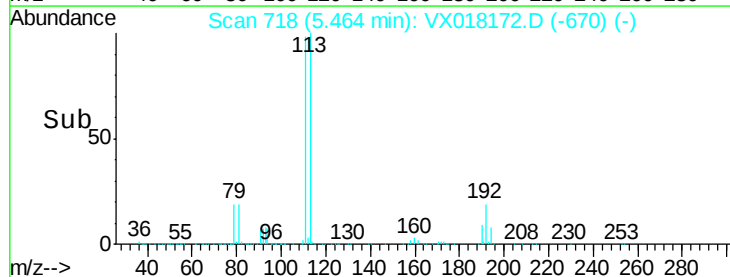
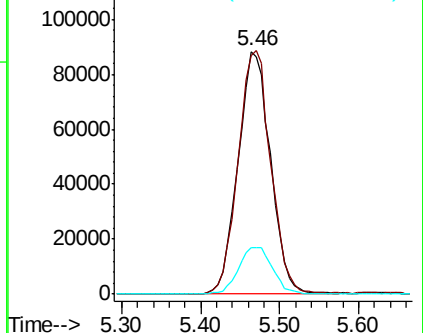
192 20.3 15.8 23.8

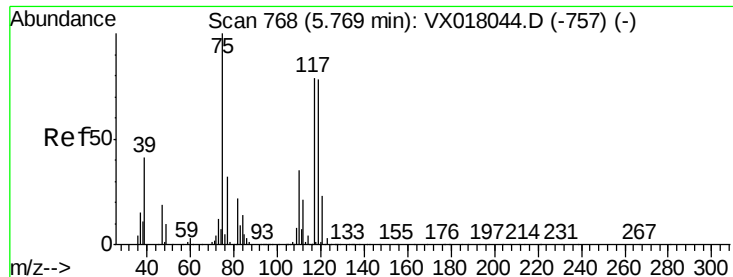


Abundance Ion 112.80 (112.50 to 113.50): V

Ion 110.80 (110.50 to 111.50): V

Ion 191.70 (191.40 to 192.40): V

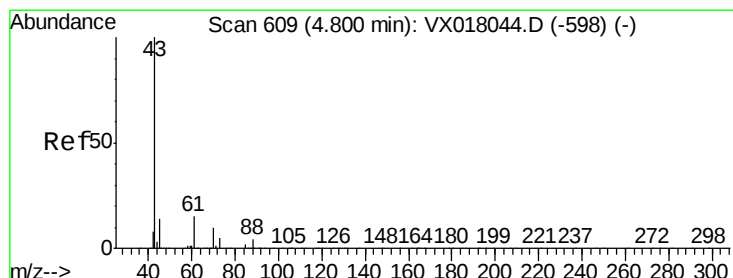
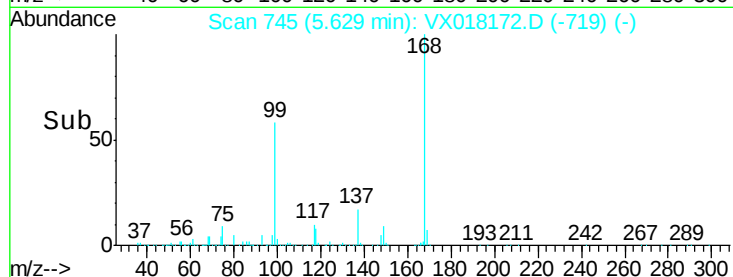
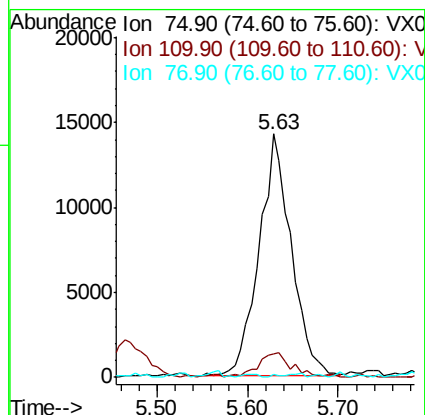
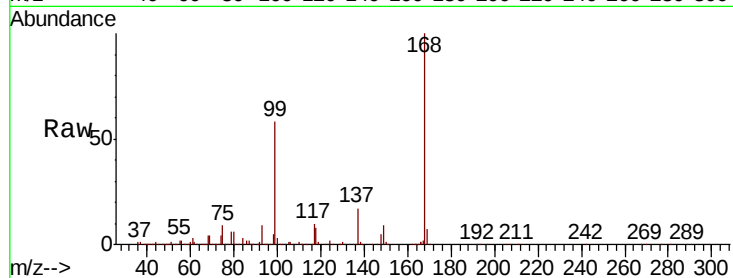




#36
 1,1-Dichloropropene
 Concen: 5.252 ug/l
 RT: 5.63 min Scan# 745
 Delta R.T. -0.14 min
 Lab File: VX018172.D
 Acq: 01 Sep 2020 01:47

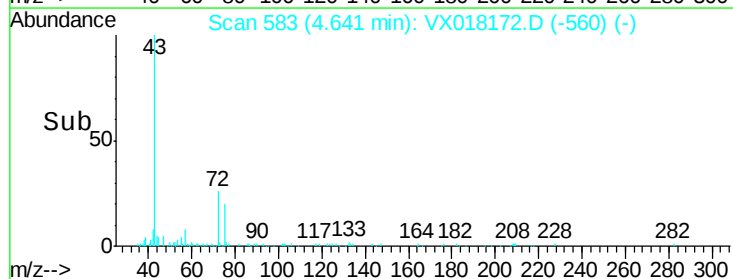
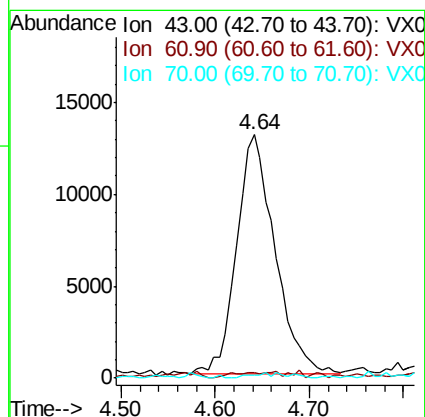
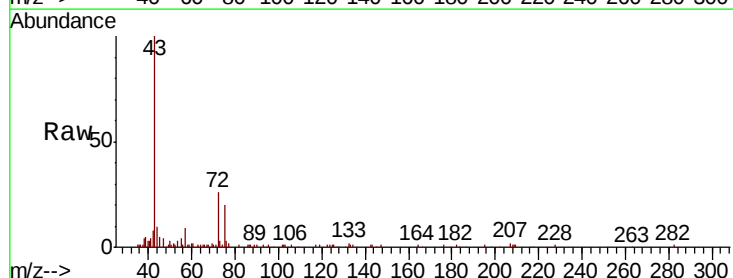
Instrument :
 MSVOA_X
 ClientSampleId :
 BS-2

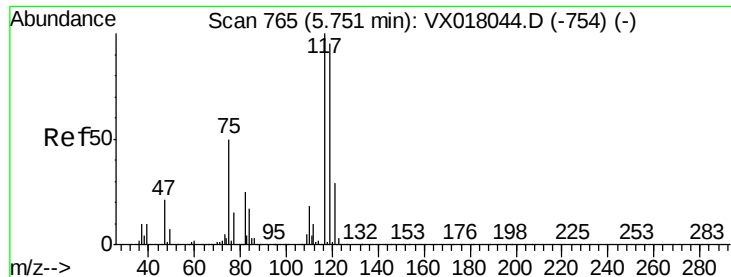
Tot Ion	Ratio	Lower	Upper
75	100		
110	10.5	18.0	54.0#
77	0.0	24.4	36.6#



#37
 Ethyl Acetate
 Concen: 4.747 ug/l
 RT: 4.64 min Scan# 583
 Delta R.T. -0.16 min
 Lab File: VX018172.D
 Acq: 01 Sep 2020 01:47

Tgt Ion	Ratio	Lower	Upper
43	100		
61	1.8	11.3	16.9#
70	0.0	8.2	12.4#

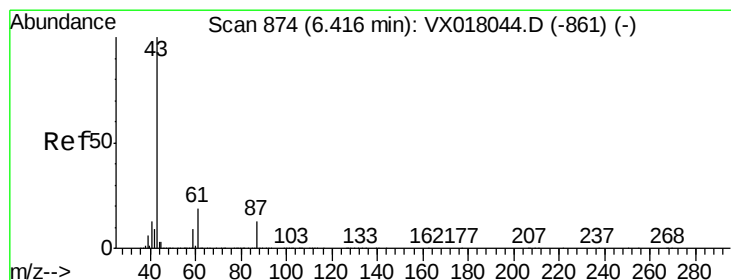
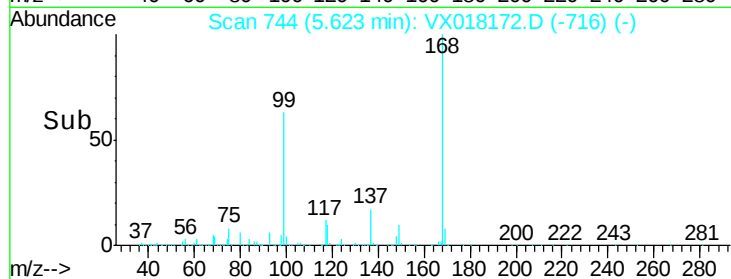
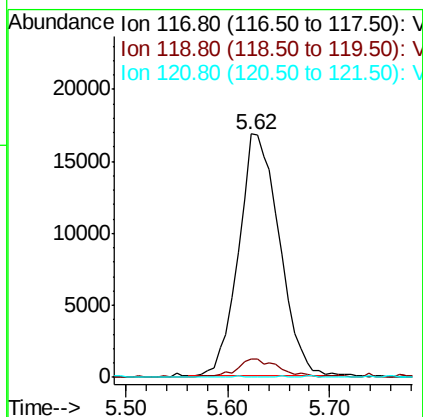
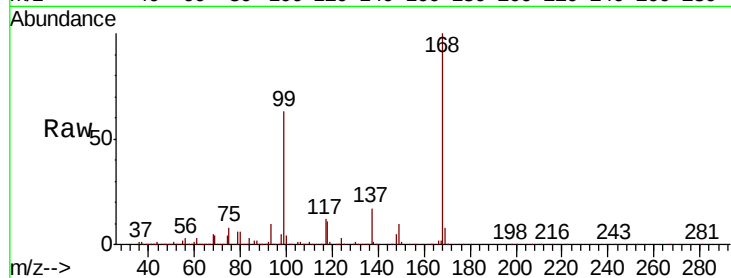




#38
Carbon Tetrachloride
Concen: 6.174 ug/l
RT: 5.62 min Scan# 744
Delta R.T. -0.13 min
Lab File: VX018172.D
Acq: 01 Sep 2020 01:47

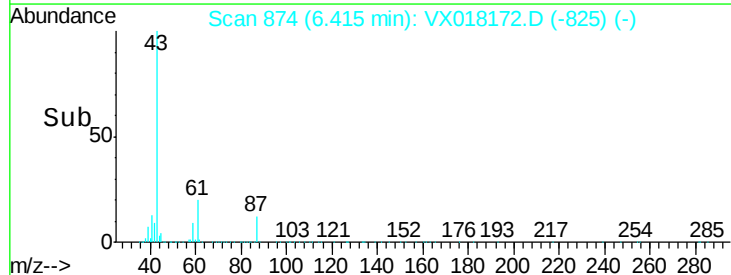
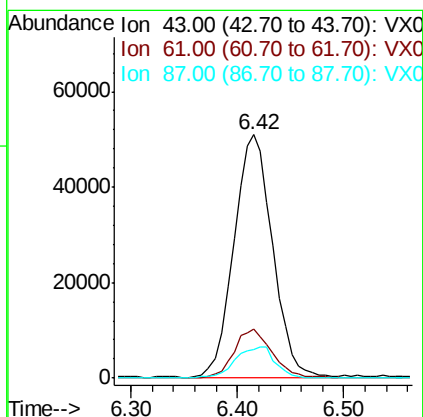
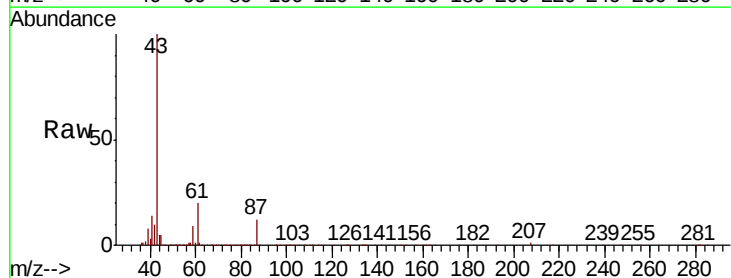
Instrument :
MSVOA_X
ClientSampled :
BS-2

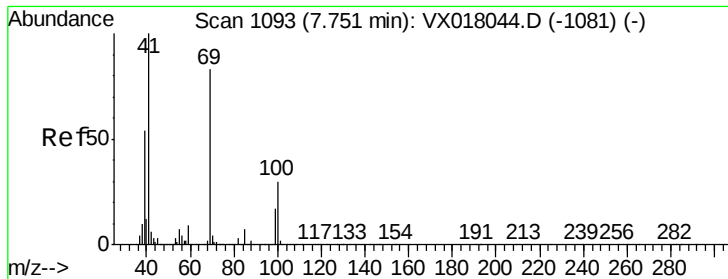
Tot Ion:117 Resp: 46667
Ion Ratio Lower Upper
117 100
119 7.5 75.8 113.6#
121 0.4 23.4 35.0#



#43
Isopropyl Acetate
Concen: 10.290 ug/l
RT: 6.42 min Scan# 874
Delta R.T. -0.00 min
Lab File: VX018172.D
Acq: 01 Sep 2020 01:47

Tgt Ion: 43 Resp: 129465
Ion Ratio Lower Upper
43 100
61 19.7 15.7 23.5
87 13.4 10.3 15.5

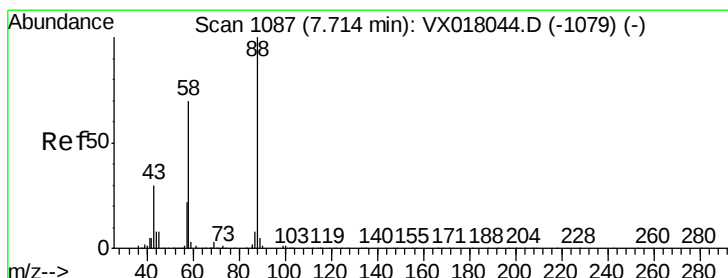
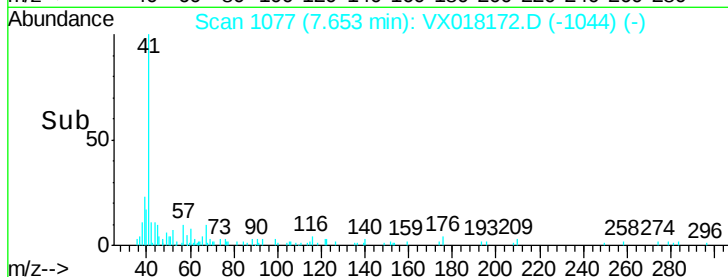
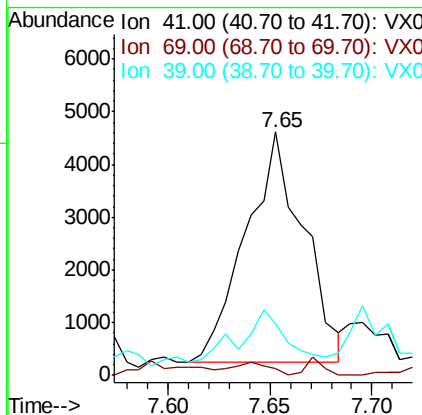
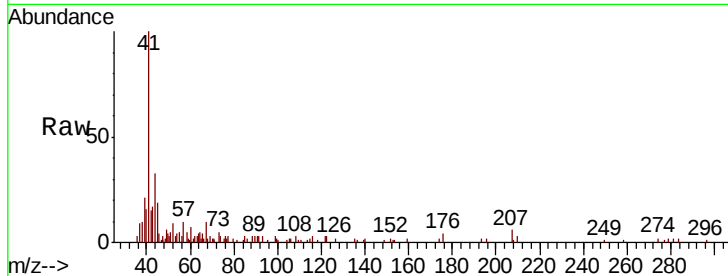




#48
Methyl methacrylate
Concen: 1.371 ug/l
RT: 7.65 min Scan# 1077
Delta R.T. -0.10 min
Lab File: VX018172.D
Acq: 01 Sep 2020 01:47

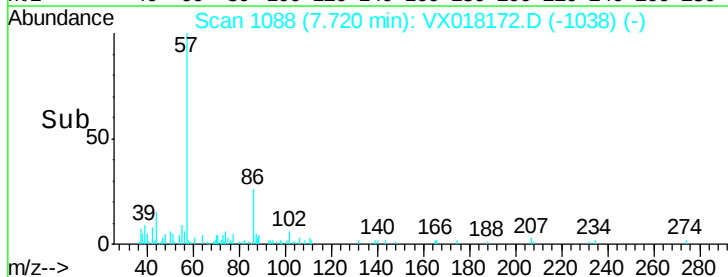
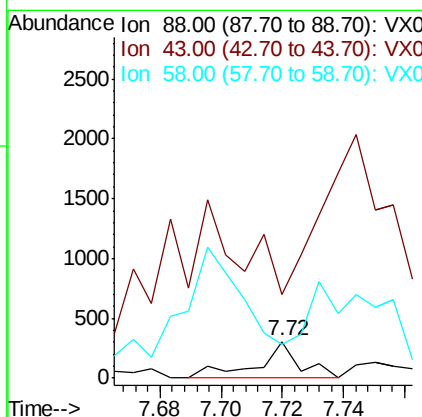
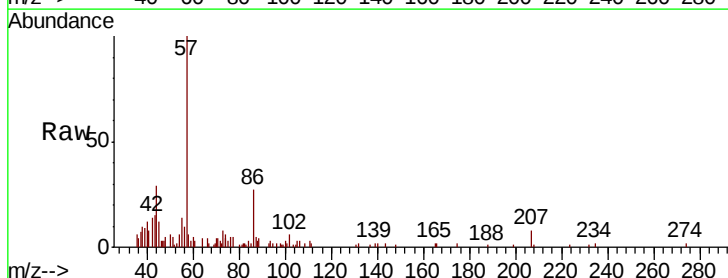
Instrument :
MSVOA_X
ClientSampled :
BS-2

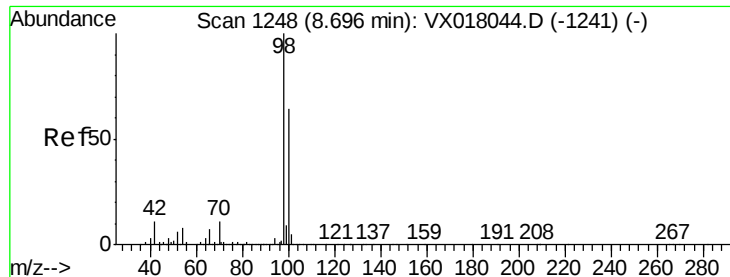
Tot Ion	Ratio	Lower	Upper
41	100		
69	3.8	65.5	98.3#
39	0.0	44.5	66.7#



#49
1,4-Dioxane
Concen: 2.635 ug/l
RT: 7.72 min Scan# 1088
Delta R.T. 0.01 min
Lab File: VX018172.D
Acq: 01 Sep 2020 01:47

Tgt Ion	Ratio	Lower	Upper
88	100		
43	0.0	27.4	41.0#
58	515.4	56.4	84.6#





#50

Toluene-d8

Concen: 50.358 ug/l

RT: 8.70 min Scan# 1248

Delta R.T. -0.00 min

Lab File: VX018172.D

Acq: 01 Sep 2020 01:47

Instrument :

MSVOA_X

ClientSampleId :

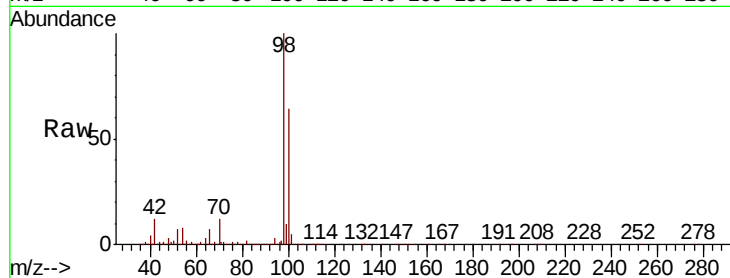
BS-2

Tot Ion: 98 Resp: 928855

Ion Ratio Lower Upper

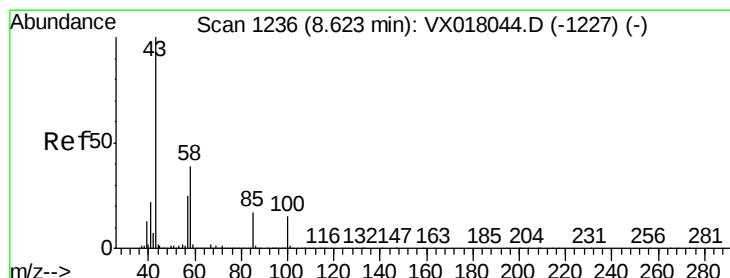
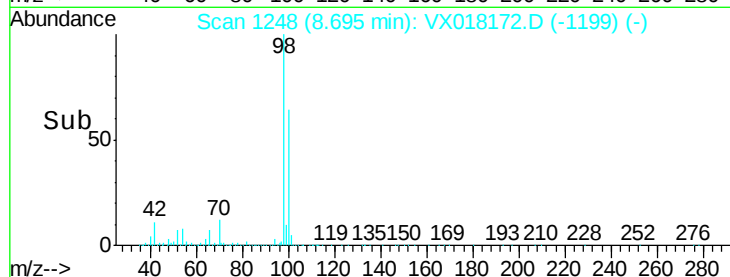
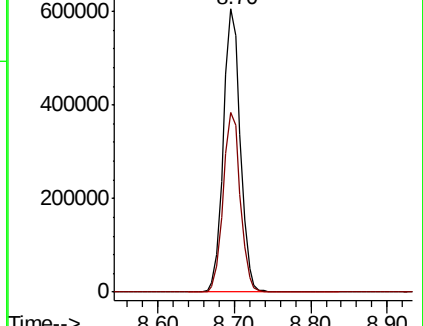
98 100

100 63.8 52.2 78.4



Abundance Ion 98.00 (97.70 to 98.70): VX0

Ion 100.00 (99.70 to 100.70): VX0



#51

4-Methyl-2-Pentanone

Concen: 14.189 ug/l

RT: 8.59 min Scan# 1231

Delta R.T. -0.03 min

Lab File: VX018172.D

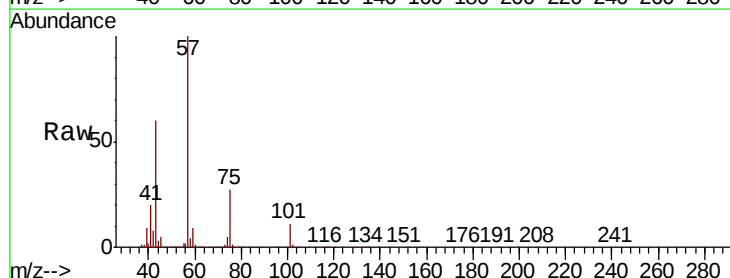
Acq: 01 Sep 2020 01:47

Tgt Ion: 43 Resp: 110278

Ion Ratio Lower Upper

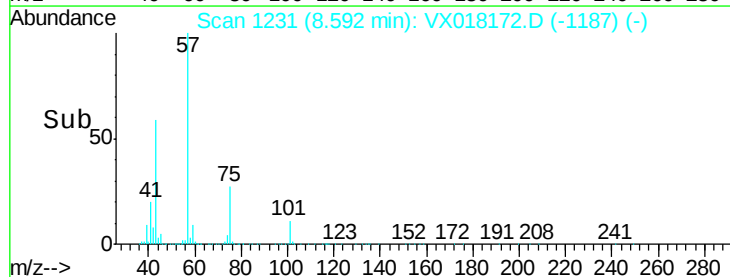
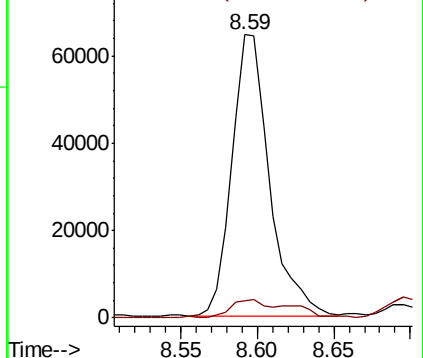
43 100

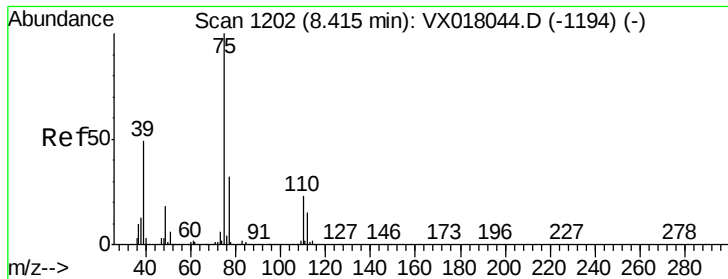
58 6.0 30.7 46.1#



Abundance Ion 43.00 (42.70 to 43.70): VX0

Ion 58.00 (57.70 to 58.70): VX0





#54

cis-1,3-Dichloropropene

Concen: 5.136 ug/l

RT: 8.59 min Scan# 1231

Delta R.T. 0.18 min

Lab File: VX018172.D

Acq: 01 Sep 2020 01:47

Instrument :

MSVOA_X

ClientSampleId :

BS-2

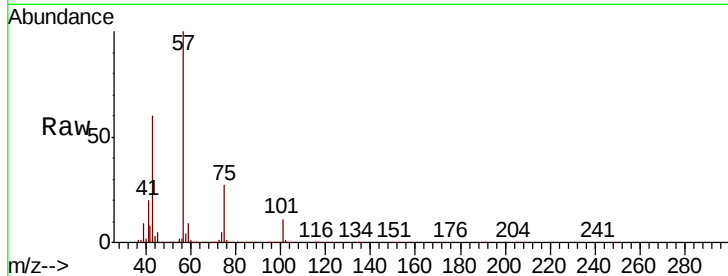
Tot Ion: 75 Resp: 44971

Ion Ratio Lower Upper

75 100

77 0.0 25.8 38.8#

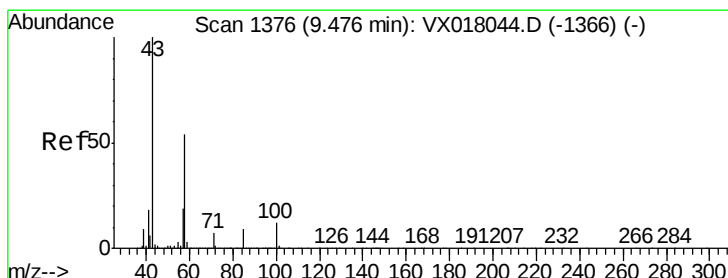
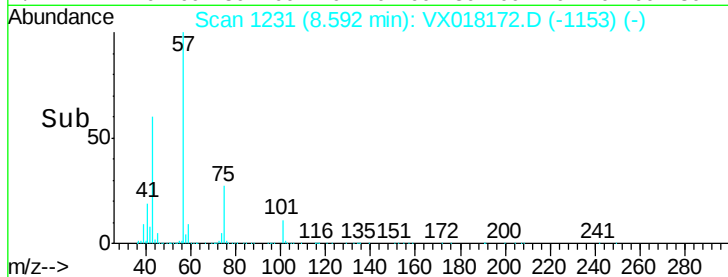
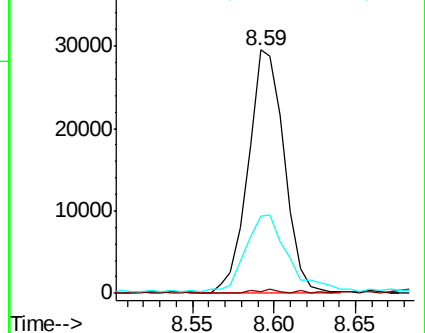
39 30.2 38.8 58.2#



Abundance Ion 74.90 (74.60 to 75.60): VX0

Ion 76.90 (76.60 to 77.60): VX0

Ion 39.00 (38.70 to 39.70): VX0



#59

2-Hexanone

Concen: 1.734 ug/l

RT: 9.48 min Scan# 1376

Delta R.T. -0.00 min

Lab File: VX018172.D

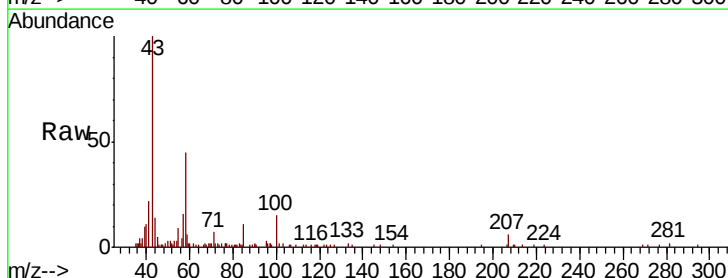
Acq: 01 Sep 2020 01:47

Tgt Ion: 43 Resp: 10248

Ion Ratio Lower Upper

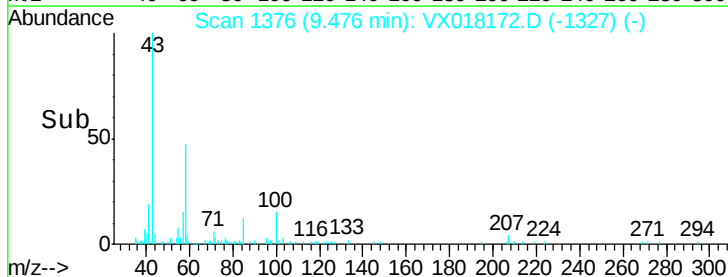
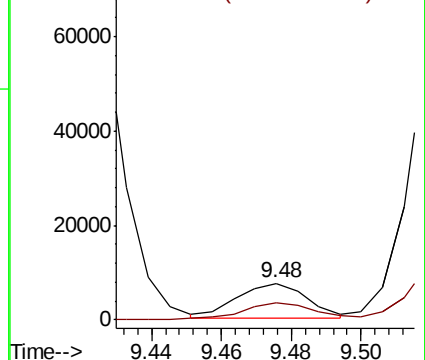
43 100

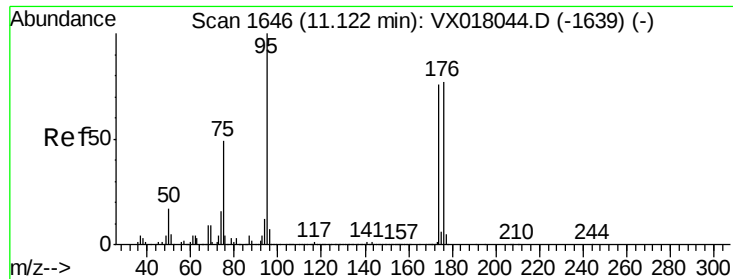
58 54.0 26.6 79.7



Abundance Ion 43.00 (42.70 to 43.70): VX0

Ion 58.00 (57.70 to 58.70): VX0





#62

4-Bromofluorobenzene

Concen: 46.352 ug/l

RT: 11.12 min Scan# 1646

Delta R.T. -0.00 min

Lab File: VX018172.D

Acq: 01 Sep 2020 01:47

Instrument :

MSVOA_X

ClientSampled :

BS-2

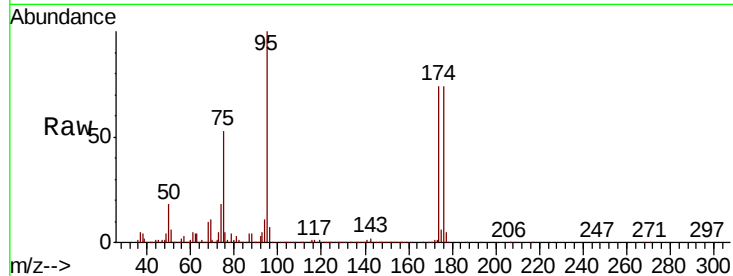
Tot Ion: 95 Resp: 336378

Ion Ratio Lower Upper

95 100

174 80.1 0.0 160.2

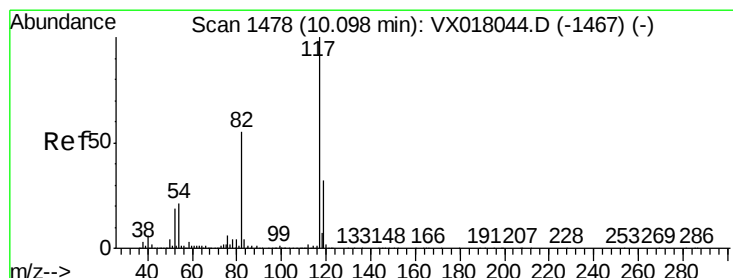
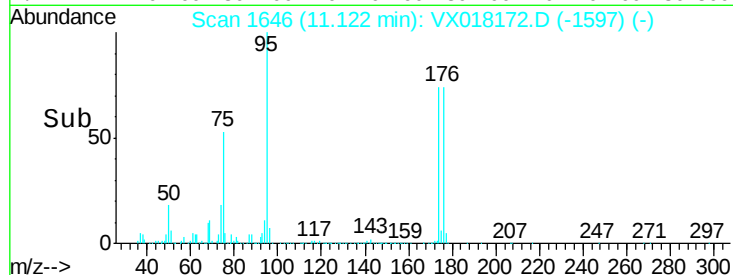
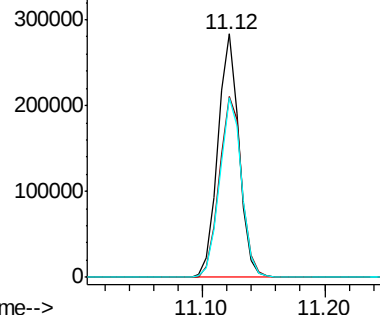
176 77.2 0.0 155.8



Abundance Ion 94.90 (94.60 to 95.60): VX018044.D (-1639) (-)

Ion 173.80 (173.50 to 174.50): VX018044.D (-1639) (-)

Ion 175.80 (175.50 to 176.50): VX018044.D (-1639) (-)



#63

Chlorobenzene-d5

Concen: 50.000 ug/l

RT: 10.10 min Scan# 1478

Delta R.T. -0.00 min

Lab File: VX018172.D

Acq: 01 Sep 2020 01:47

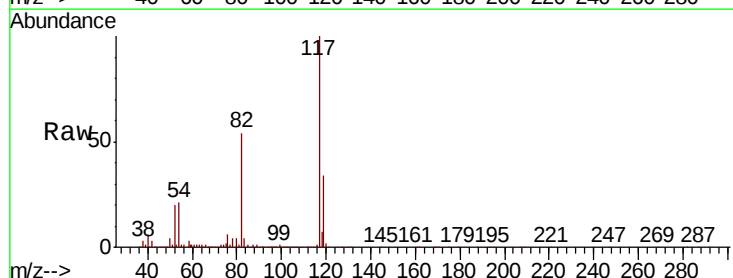
Tgt Ion: 117 Resp: 715225

Ion Ratio Lower Upper

117 100

82 54.3 44.2 66.2

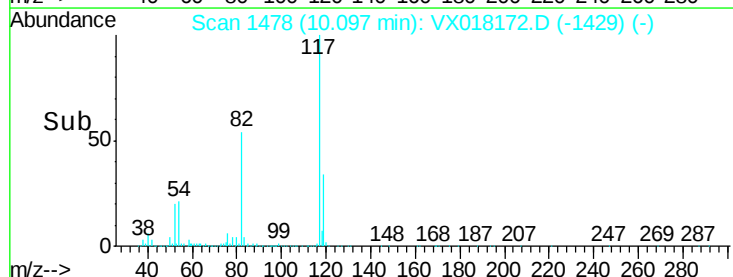
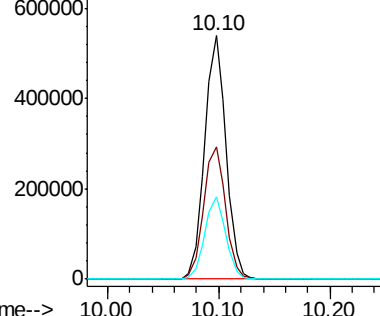
119 34.0 25.7 38.5

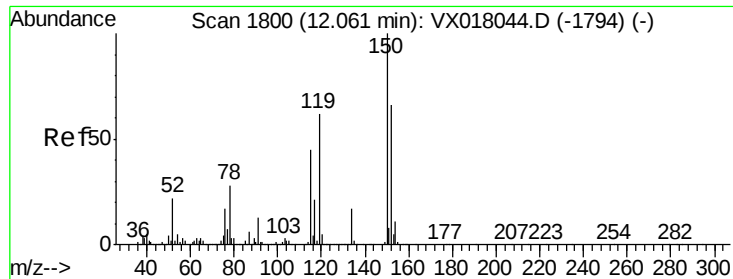


Abundance Ion 116.90 (116.60 to 117.60): VX018044.D (-1467) (-)

Ion 82.00 (81.70 to 82.70): VX018044.D (-1467) (-)

Ion 118.90 (118.60 to 119.60): VX018044.D (-1467) (-)





#72

1,4-Dichlorobenzene-d4

Concen: 50.000 ug/l

RT: 12.06 min Scan# 1800

Delta R.T. -0.00 min

Lab File: VX018172.D

Acq: 01 Sep 2020 01:47

Instrument :

MSVOA_X

ClientSampled :

BS-2

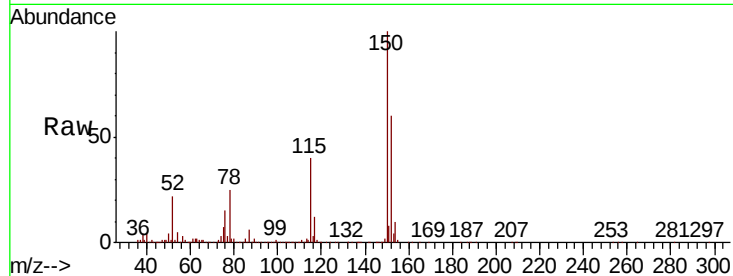
Tot Ion:152 Resp: 326758

Ion Ratio Lower Upper

152 100

115 61.5 41.5 124.5

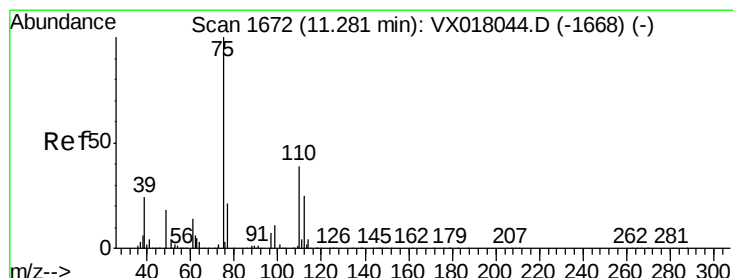
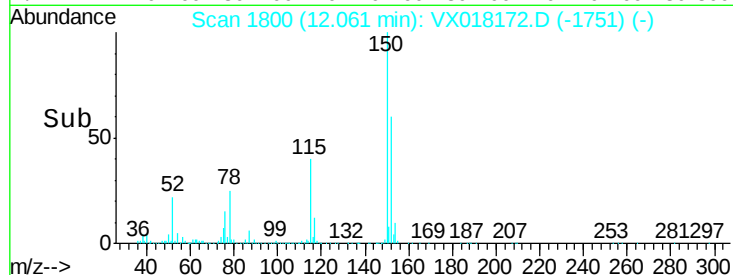
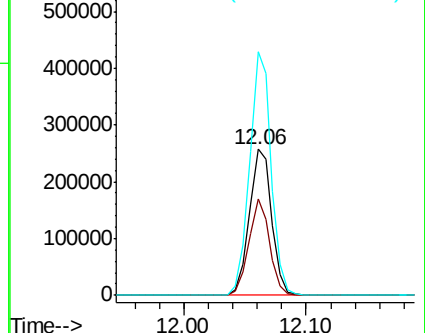
150 161.0 0.0 343.8



Abundance Ion 151.90 (151.60 to 152.60): V

Ion 114.90 (114.60 to 115.60): V

Ion 149.90 (149.60 to 150.60): V



#76

1,2,3-Trichloropropane

Concen: 24.370 ug/l

RT: 11.12 min Scan# 1646

Delta R.T. -0.16 min

Lab File: VX018172.D

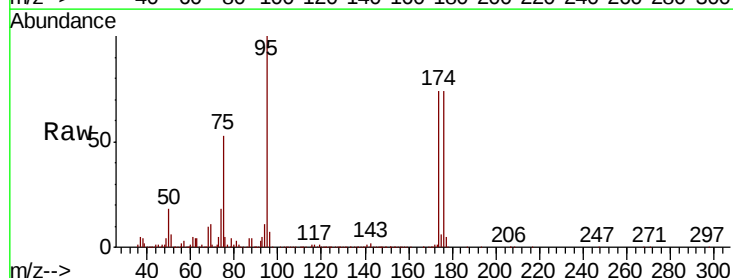
Acq: 01 Sep 2020 01:47

Tgt Ion: 75 Resp: 177143

Ion Ratio Lower Upper

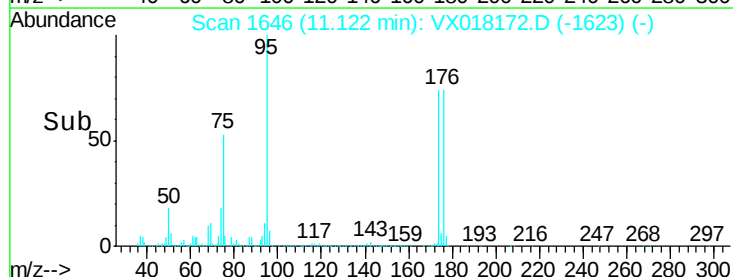
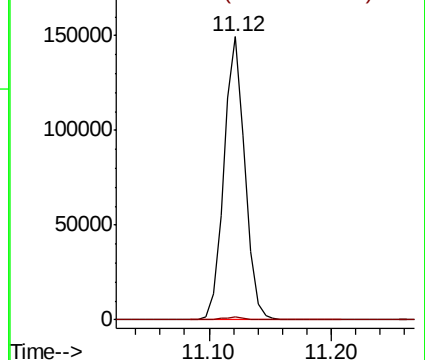
75 100

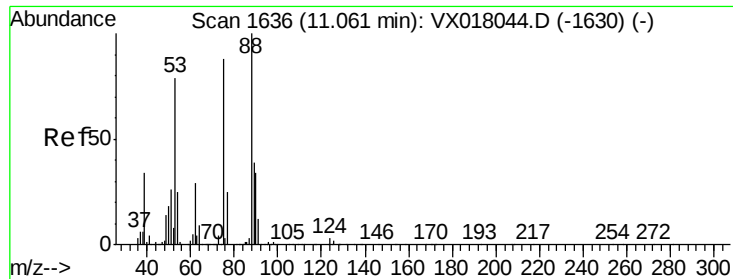
77 1.4 20.8 62.2#



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: 65.820 ug/l

RT: 11.12 min Scan# 1646

Delta R.T. 0.06 min

Lab File: VX018172.D

Acq: 01 Sep 2020 01:47

Instrument :

MSVOA_X

ClientSampleId :

BS-2

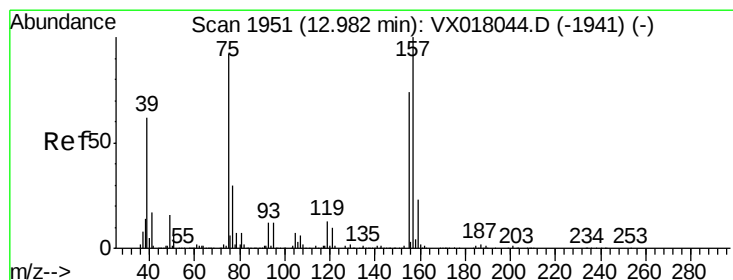
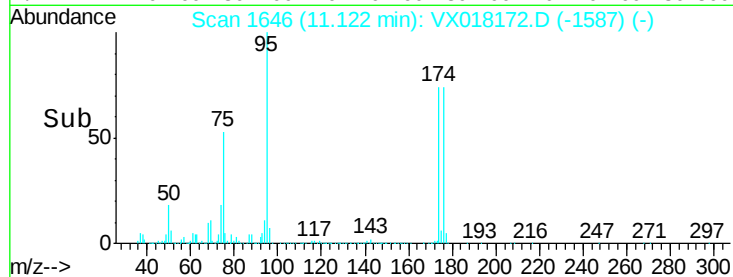
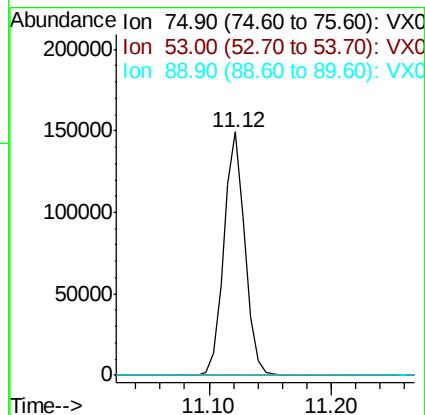
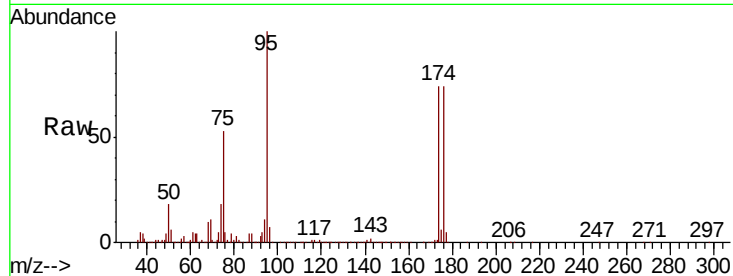
Tot Ion: 75 Resp: 177143

Ion Ratio Lower Upper

75 100

53 0.2 74.7 112.1#

89 0.2 36.6 54.8#



#92

1,2-Dibromo-3-Chloropropane

Concen: 0.264 ug/l

RT: 12.97 min Scan# 1949

Delta R.T. -0.01 min

Lab File: VX018172.D

Acq: 01 Sep 2020 01:47

Tgt Ion: 75 Resp: 502

Ion Ratio Lower Upper

75 100

155 4.6 40.2 120.6#

157 0.0 55.0 165.2#

