

Data Path : Z:\VOASRV\HPCHEM1\MSVOA X\DATA\VX112019\
 Data File : VX013472.D
 Acq On : 20 Nov 2019 12:00
 Operator : JC/SP
 Sample : K5949-01
 Misc : 5.0mL/MSVOA X/WATER
 ALS Vial : 6 Sample Multiplier: 1

Instrument :
 MSVOA_X
 ClientSampleId :

Quant Time: Nov 21 00:45:40 2019
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_X\METHOD\82X103119W.M
 Quant Title : SW846 8260
 QLast Update : Sat Nov 02 07:06:38 2019
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Pentafluorobenzene	5.65	168	708382	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	6.85	114	1150427	50.00	ug/l	0.00
63) Chlorobenzene-d5	10.11	117	1015112	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	12.07	152	462908	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	414417	49.38	ug/l	0.00
Spiked Amount			Recovery	=	98.76%	
35) Dibromofluoromethane	5.48	113	348648	48.32	ug/l	0.00
Spiked Amount			Recovery	=	96.64%	
50) Toluene-d8	8.71	98	1375120	50.55	ug/l	0.00
Spiked Amount			Recovery	=	101.10%	
62) 4-Bromofluorobenzene	11.14	95	455785	46.43	ug/l	0.00
Spiked Amount			Recovery	=	92.86%	

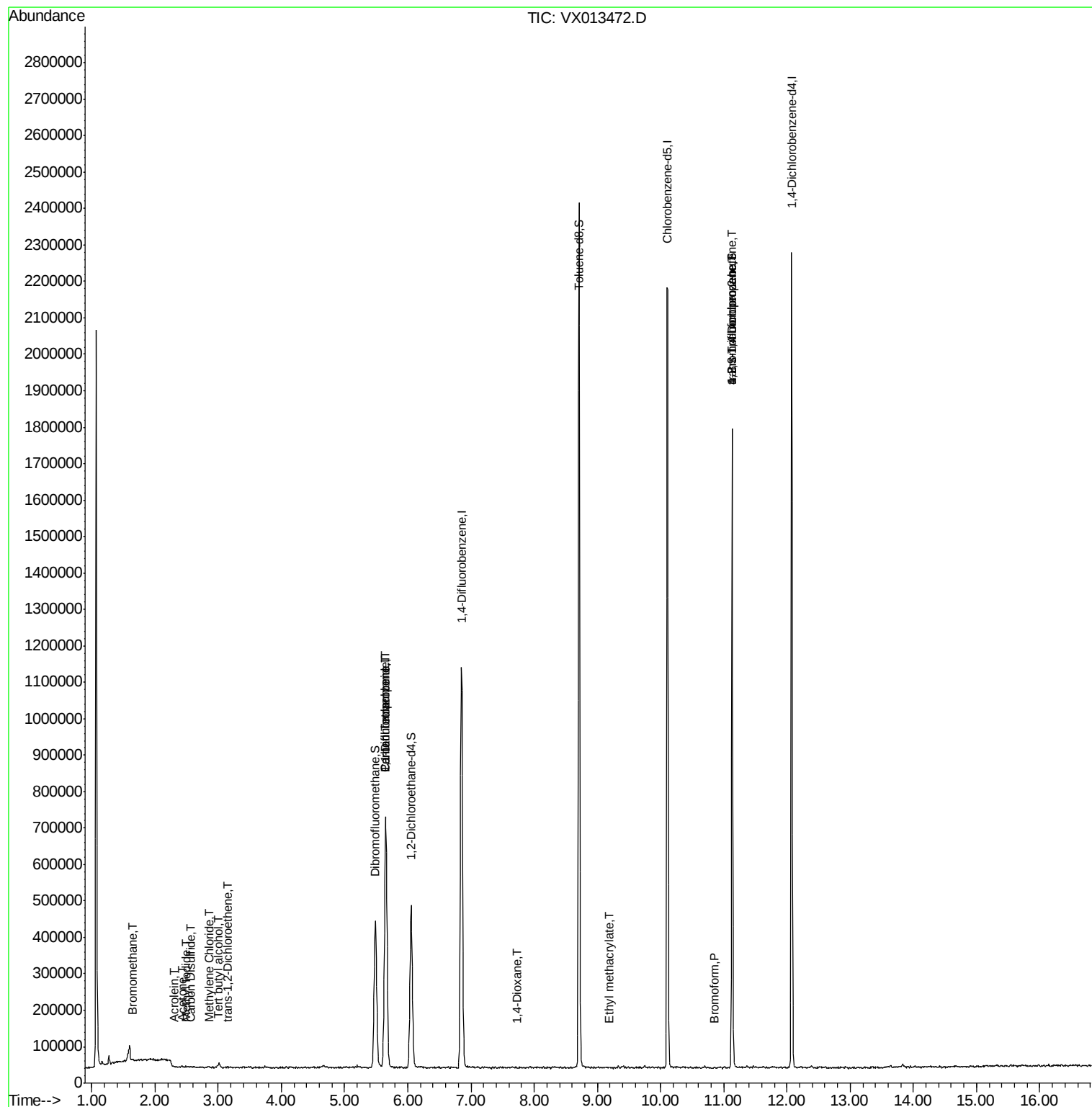
Target Compounds	R.T.	QIon	Response	Conc	Units	Qvalue
5) Bromomethane	1.64	94	2075	0.295	ug/l	98
6) Chloroethane	1.74	64	1538	Below Cal	#	43
10) Methyl Iodide	2.50	142	2790	0.340	ug/l #	94
11) Tert butyl alcohol	3.00	59	8211	3.712	ug/l #	90
13) Acrolein	2.30	56	409	0.341	ug/l #	1
16) Acetone	2.44	43	2460	0.588	ug/l #	87
17) Carbon Disulfide	2.56	76	4813	0.277	ug/l #	79
20) Methylene Chloride	2.85	84	1604	0.207	ug/l #	60
21) trans-1,2-Dichloroethene	3.15	96	1582	0.224	ug/l #	35
36) 1,1-Dichloropropene	5.65	75	47027	4.765	ug/l #	51
38) Carbon Tetrachloride	5.65	117	61667	6.390	ug/l #	16
49) 1,4-Dioxane	7.73	88	166	0.765	ug/l #	1
56) Ethyl methacrylate	9.18	69	276	1.583	ug/l #	1
71) Bromoform	10.85	173	292	3.242	ug/l #	28
76) 1,2,3-Trichloropropane	11.13	75	225136	23.945	ug/l #	34
81) trans-1,4-Dichloro-2-buten	11.13	75	225136	61.633	ug/l #	10

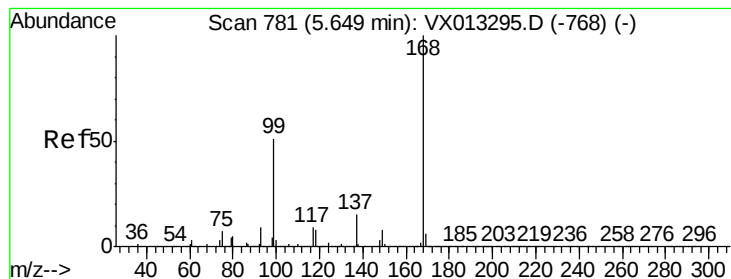
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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Response via : Initial Calibration





#1

Pentafluorobenzene

Concen: 50.000 ug/l

RT: 5.65 min Scan# 781

Delta R.T. -0.00 min

Lab File: VX013472.D

Acq: 20 Nov 2019 12:00

Instrument :

MSVOA_X

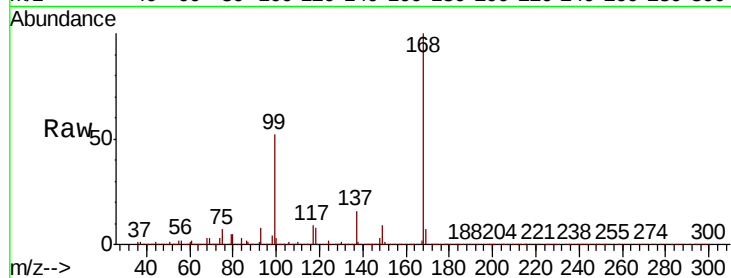
ClientSampleId :

Tot Ion:168 Resp: 708382

Ion Ratio Lower Upper

168 100

99 51.8 40.8 61.2



Abundance Ion 167.90 (167.60 to 168.60): V

Ion 98.90 (98.60 to 99.60): VX0

5.65

250000

200000

150000

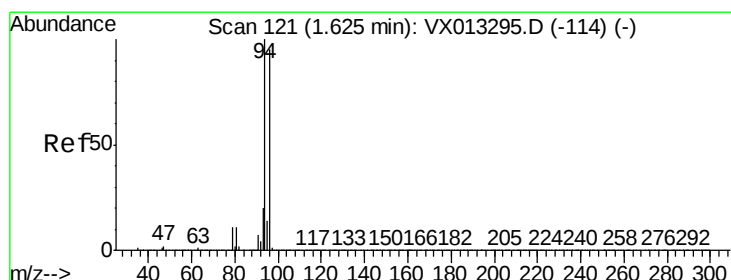
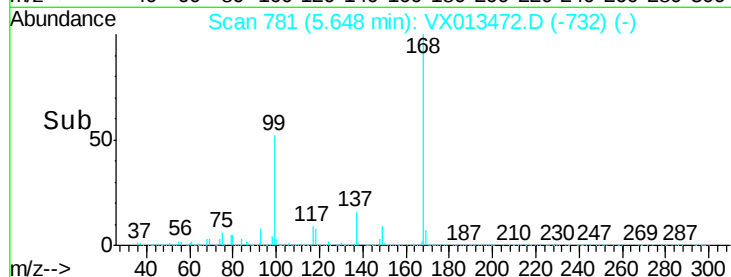
100000

50000

0

Time-->

5.50 5.60 5.70 5.80



#5

Bromomethane

Concen: 0.295 ug/l

RT: 1.64 min Scan# 124

Delta R.T. 0.02 min

Lab File: VX013472.D

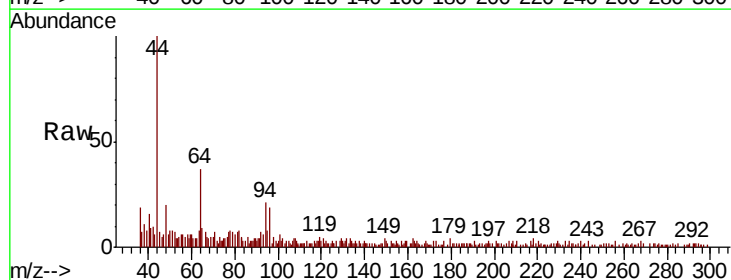
Acq: 20 Nov 2019 12:00

Tgt Ion: 94 Resp: 2075

Ion Ratio Lower Upper

94 100

96 92.9 75.8 113.8



Abundance Ion 93.90 (93.60 to 94.60): VX0

Ion 95.90 (95.60 to 96.60): VX0

1500

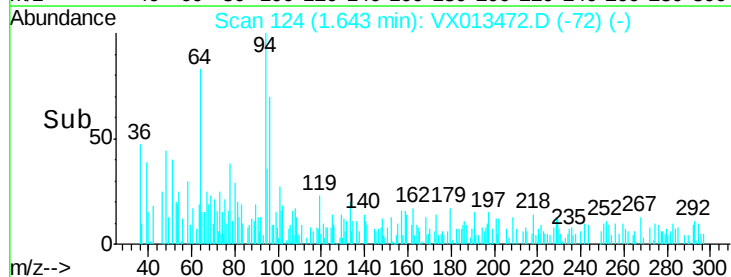
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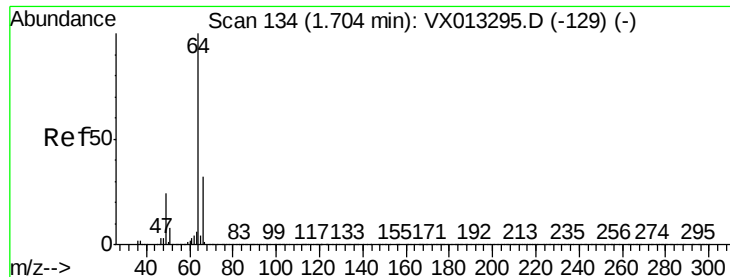
500

0

Time-->

1.60 1.65 1.70





#6

Chloroethane

Concen: Below Cal

RT: 1.74 min Scan# 140

Delta R.T. 0.04 min

Lab File: VX013472.D

Acq: 20 Nov 2019 12:00

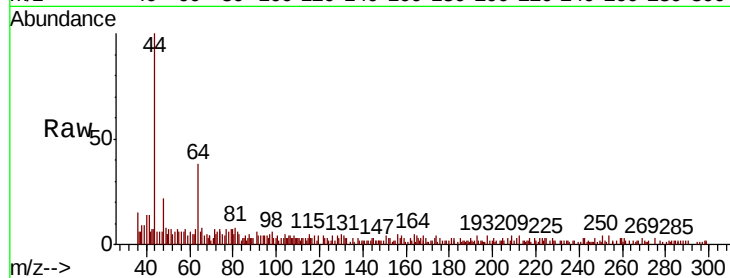
Instrument :
MSVOA_X
ClientSampleId :

Tot Ion: 64 Resp: 1538

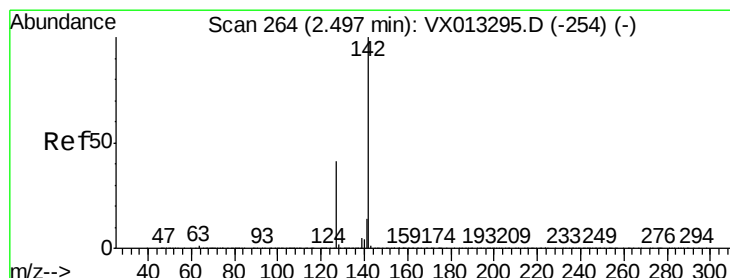
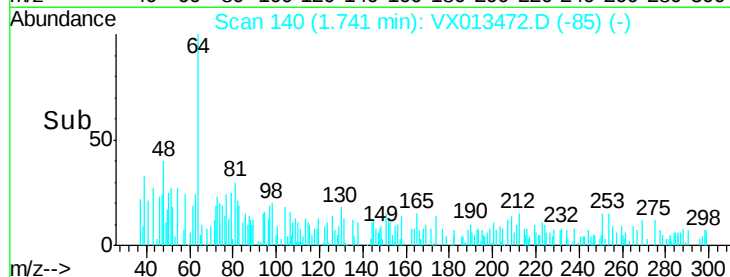
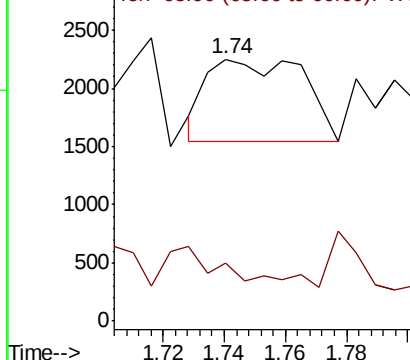
Ion Ratio Lower Upper

64 100

66 0.0 25.6 38.4#



Abundance Ion 63.90 (63.60 to 64.60): VX0
Ion 65.90 (65.60 to 66.60): VX0



#10

Methyl Iodide

Concen: 0.340 ug/l

RT: 2.50 min Scan# 265

Delta R.T. 0.01 min

Lab File: VX013472.D

Acq: 20 Nov 2019 12:00

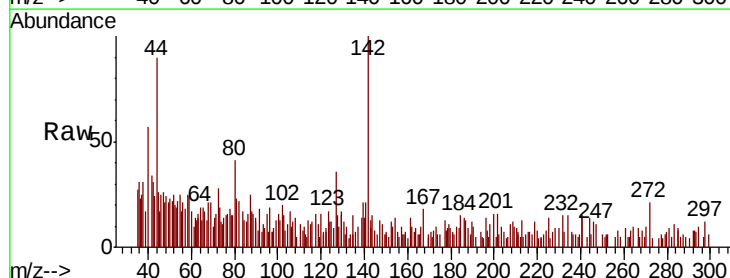
Tgt Ion: 142 Resp: 2790

Ion Ratio Lower Upper

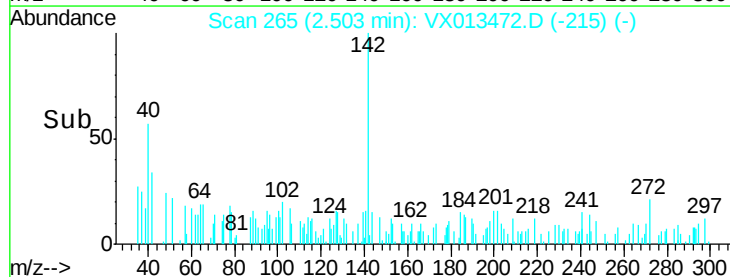
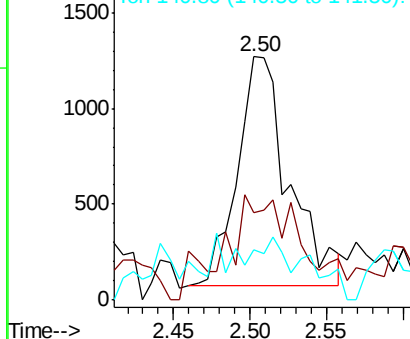
142 100

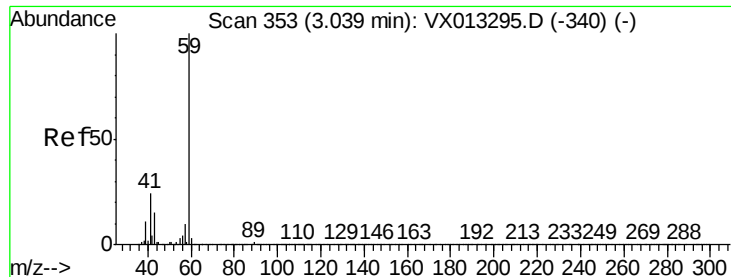
127 39.1 32.6 49.0

141 7.7 11.6 17.4#



Abundance Ion 141.80 (141.50 to 142.50): V
Ion 126.80 (126.50 to 127.50): V
Ion 140.80 (140.50 to 141.50): V



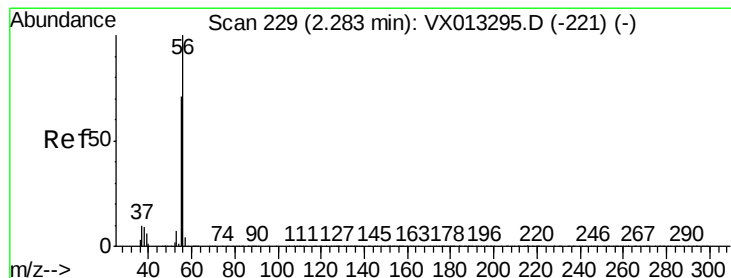
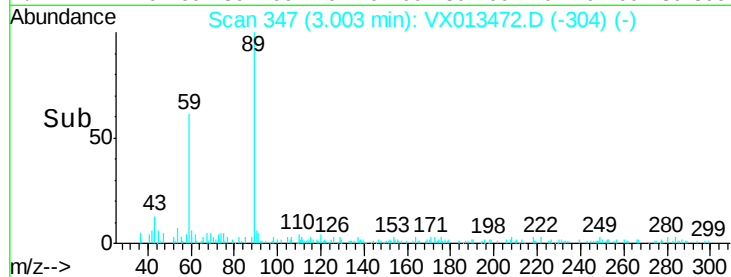
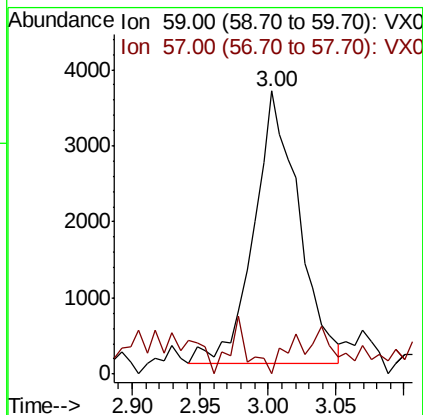
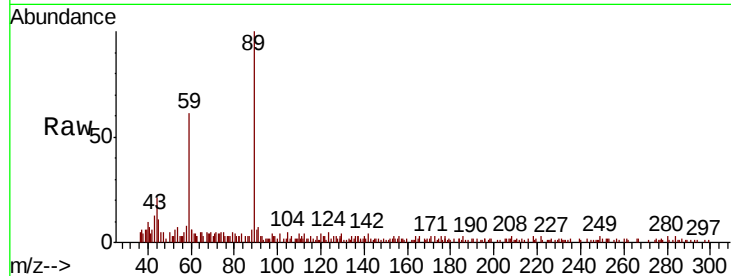


#11

Tert butyl alcohol
 Concen: 3.712 ug/l
 RT: 3.00 min Scan# 347
 Delta R.T. -0.04 min
 Lab File: VX013472.D
 Acq: 20 Nov 2019 12:00

Instrument :
 MSVOA_X
 ClientSampleId :

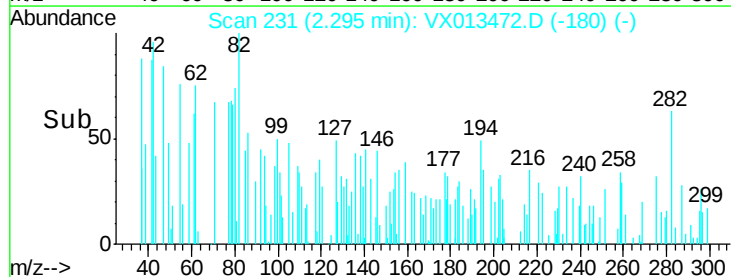
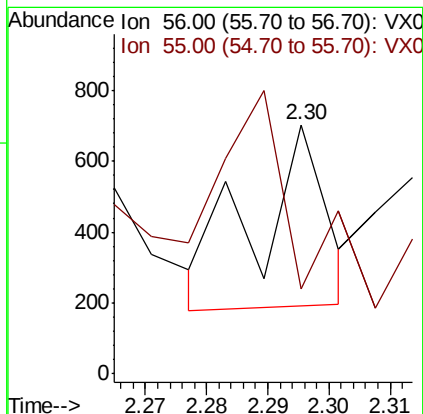
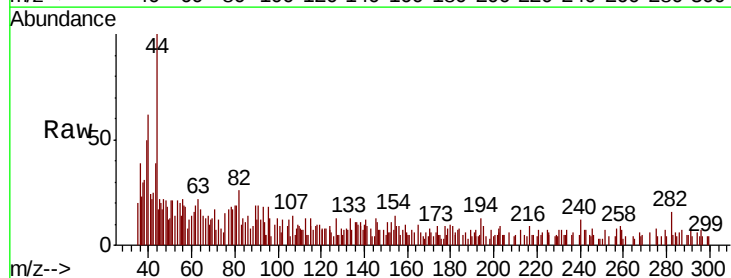
Tot Ion: 59 Resp: 8211
 Ion Ratio Lower Upper
 59 100
 57 6.2 8.0 12.0#

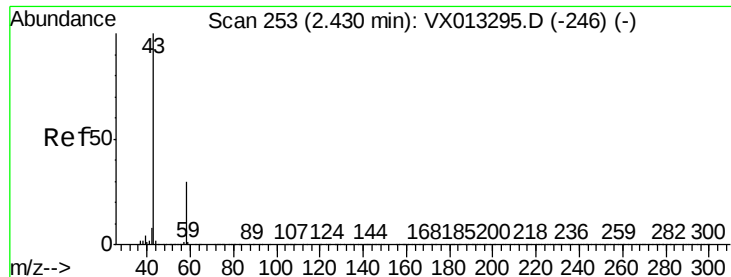


#13

Acrolein
 Concen: 0.341 ug/l
 RT: 2.30 min Scan# 231
 Delta R.T. 0.01 min
 Lab File: VX013472.D
 Acq: 20 Nov 2019 12:00

Tgt Ion: 56 Resp: 409
 Ion Ratio Lower Upper
 56 100
 55 183.6 57.4 86.0#

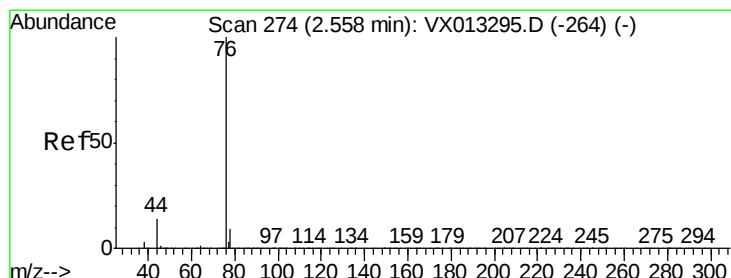
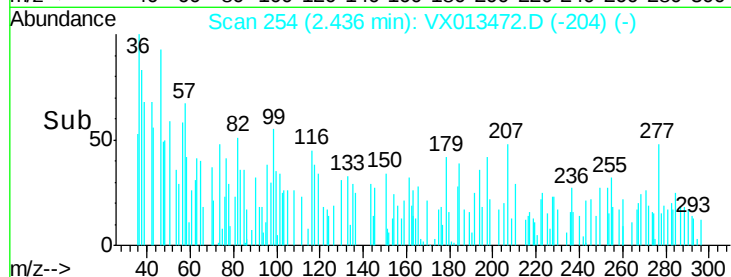
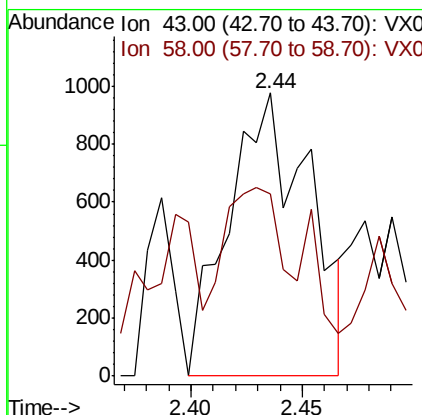
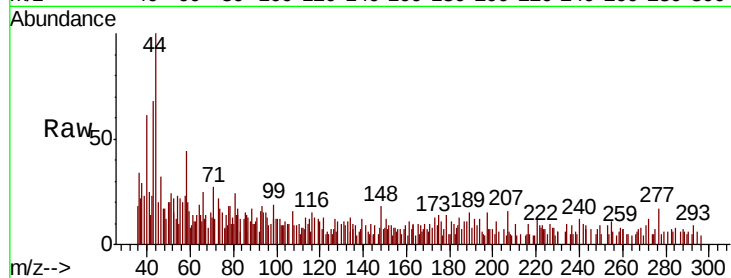




#16
Acetone
Concen: 0.588 ug/l
RT: 2.44 min Scan# 254
Delta R.T. 0.01 min
Lab File: VX013472.D
Acq: 20 Nov 2019 12:00

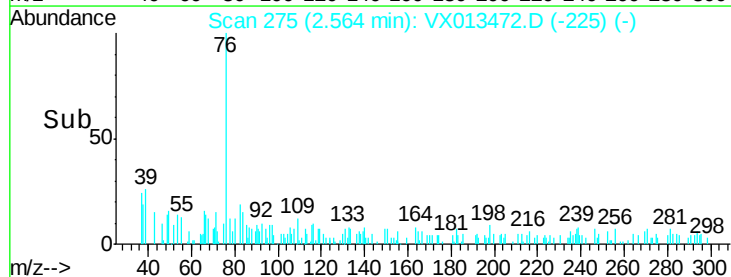
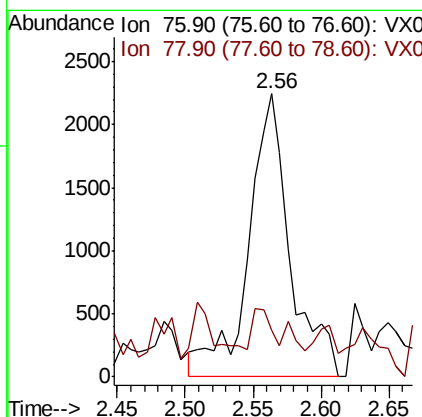
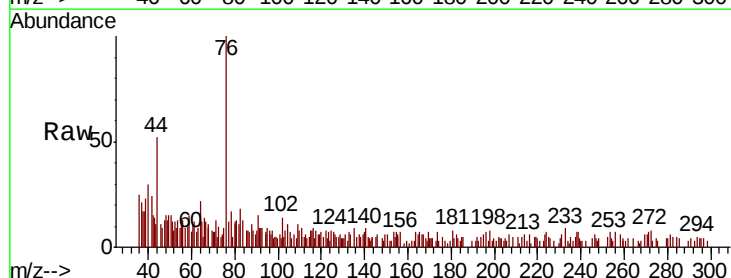
Instrument :
MSVOA_X
ClientSampled :

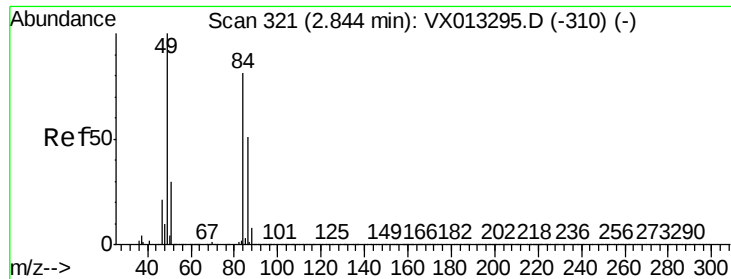
Tot Ion: 43 Resp: 2460
Ion Ratio Lower Upper
43 100
58 23.2 24.3 36.5#



#17
Carbon Disulfide
Concen: 0.277 ug/l
RT: 2.56 min Scan# 275
Delta R.T. 0.01 min
Lab File: VX013472.D
Acq: 20 Nov 2019 12:00

Tgt Ion: 76 Resp: 4813
Ion Ratio Lower Upper
76 100
78 1.1 7.0 10.6#

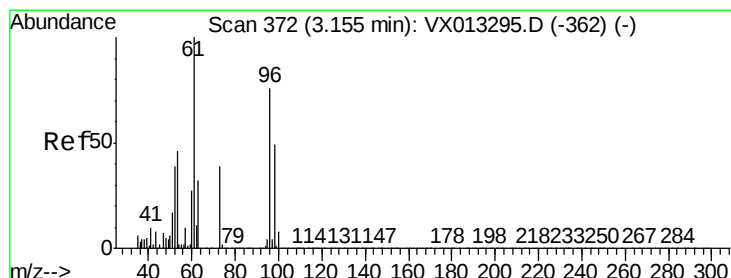
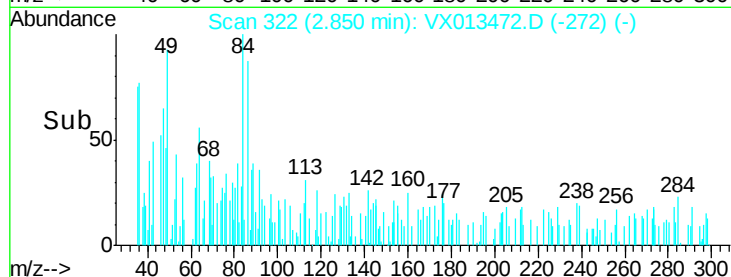
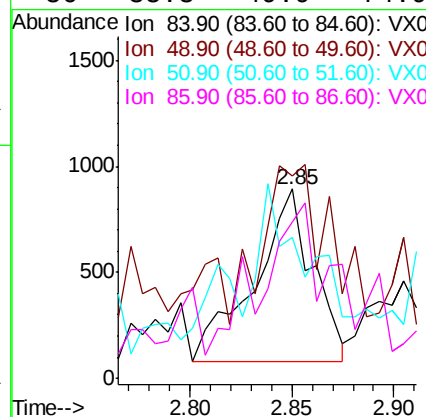
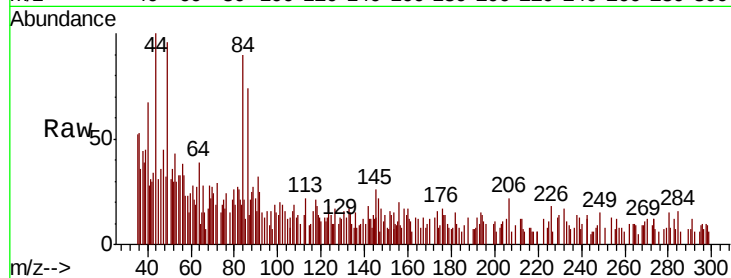




#20
Methvlene Chloride
Concen: 0.207 ug/l
RT: 2.85 min Scan# 322
Delta R.T. 0.01 min
Lab File: VX013472.D
Acq: 20 Nov 2019 12:00

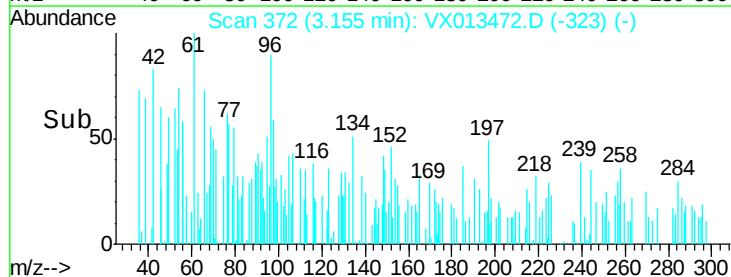
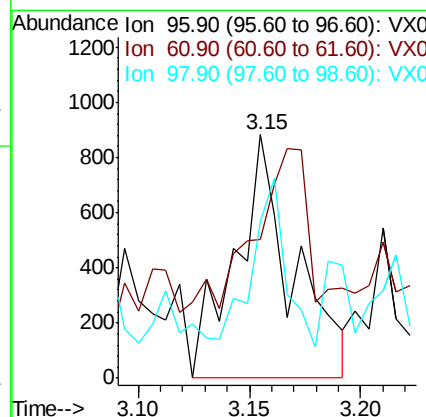
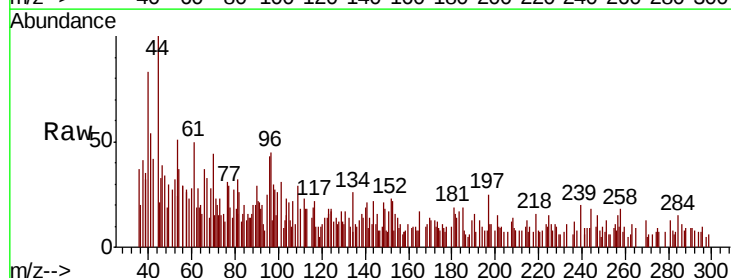
Instrument :
MSVOA_X
ClientSampled :

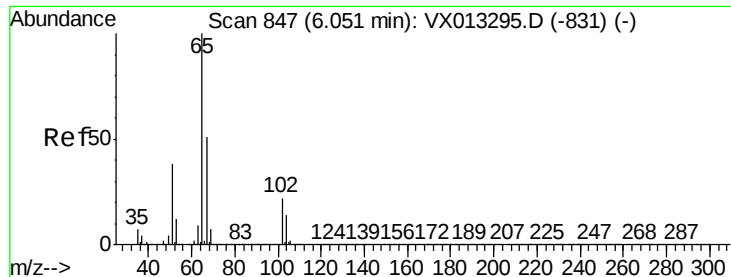
Tot Ion: 84 Resp: 1604
Ion Ratio Lower Upper
84 100
49 68.7 98.2 147.4#
51 53.3 29.9 44.9#
86 38.3 49.9 74.9#



#21
trans-1,2-Dichloroethene
Concen: 0.224 ug/l
RT: 3.15 min Scan# 372
Delta R.T. -0.00 min
Lab File: VX013472.D
Acq: 20 Nov 2019 12:00

Tgt Ion: 96 Resp: 1582
Ion Ratio Lower Upper
96 100
61 29.9 105.8 158.6#
98 48.6 51.8 77.6#





#33

1,2-Dichloroethane-d4

Concen: 49.381 ug/l

RT: 6.06 min Scan# 848

Delta R.T. 0.01 min

Lab File: VX013472.D

Acq: 20 Nov 2019 12:00

Instrument :

MSVOA_X

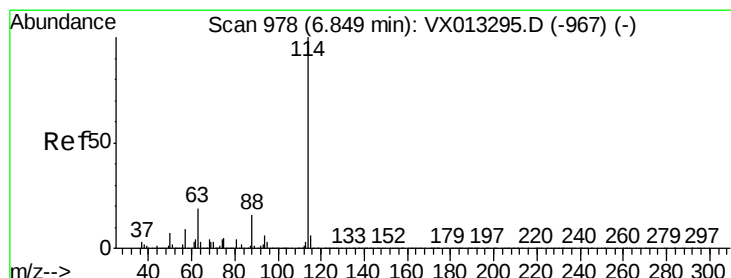
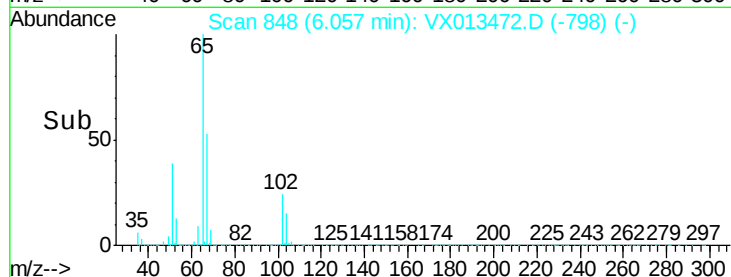
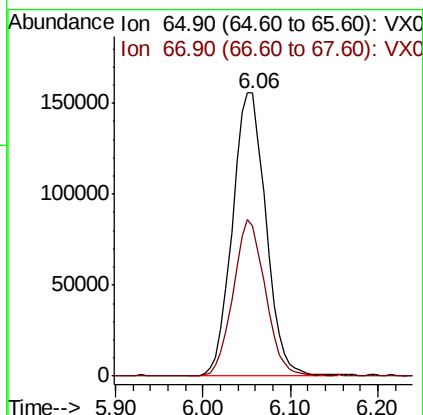
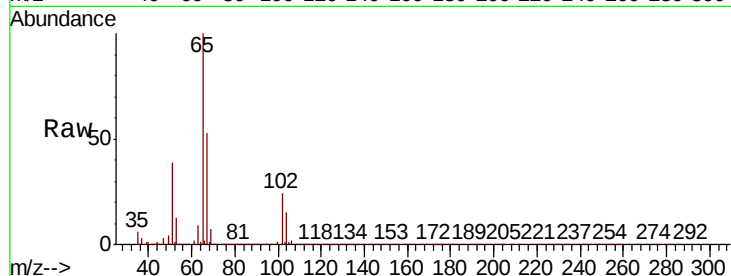
ClientSampleId :

Tot Ion: 65 Resp: 414417

Ion Ratio Lower Upper

65 100

67 52.7 0.0 104.2



#34

1,4-Difluorobenzene

Concen: 50.000 ug/l

RT: 6.85 min Scan# 978

Delta R.T. -0.00 min

Lab File: VX013472.D

Acq: 20 Nov 2019 12:00

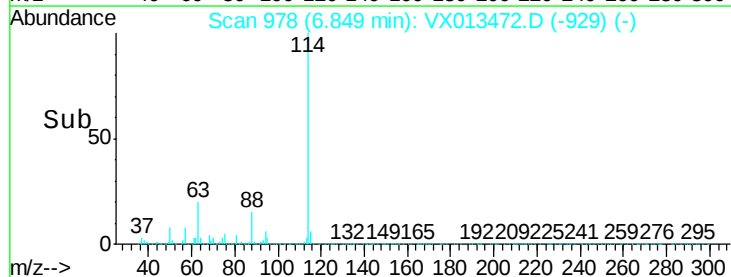
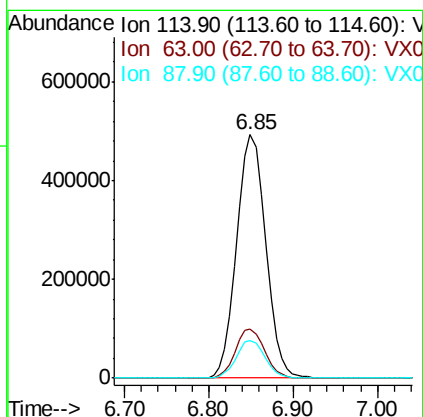
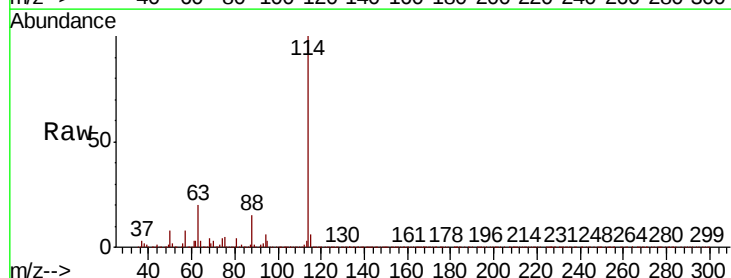
Tgt Ion: 114 Resp: 1150427

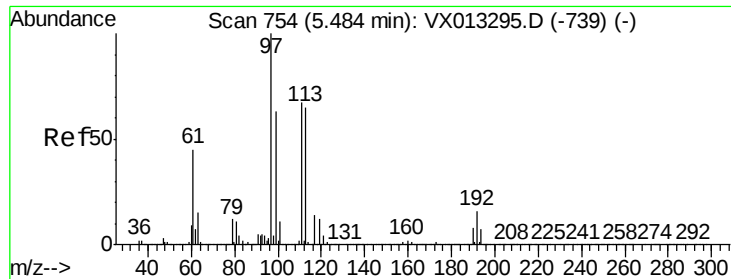
Ion Ratio Lower Upper

114 100

63 20.3 0.0 38.4

88 15.2 0.0 32.2

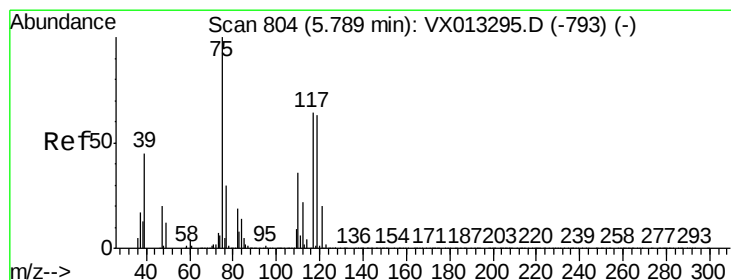
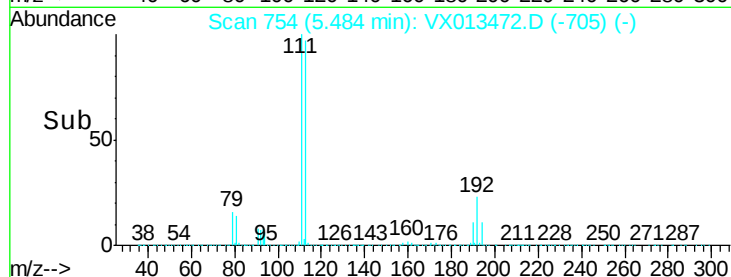
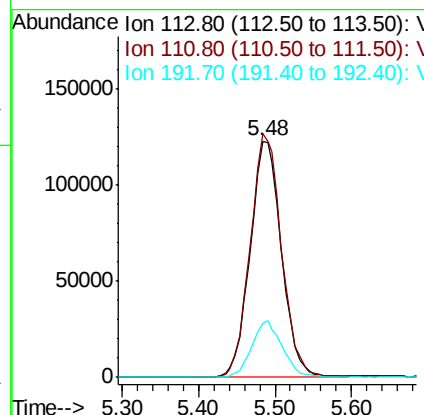
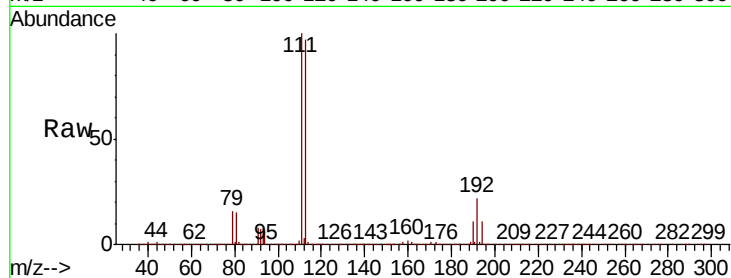




#35
Dibromofluoromethane
Concen: 48.318 ug/l
RT: 5.48 min Scan# 754
Delta R.T. -0.00 min
Lab File: VX013472.D
Acq: 20 Nov 2019 12:00

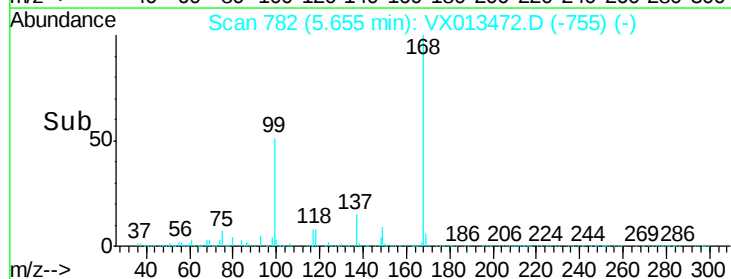
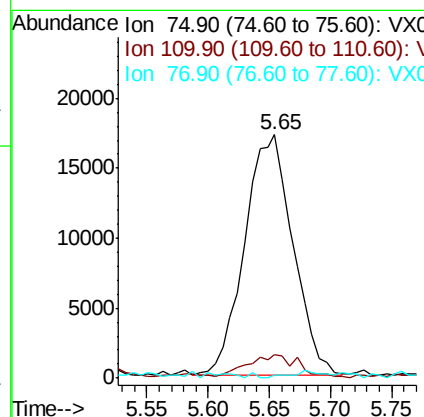
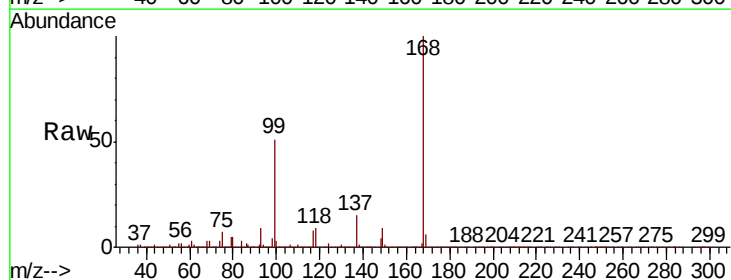
Instrument :
MSVOA_X
ClientSampleId :

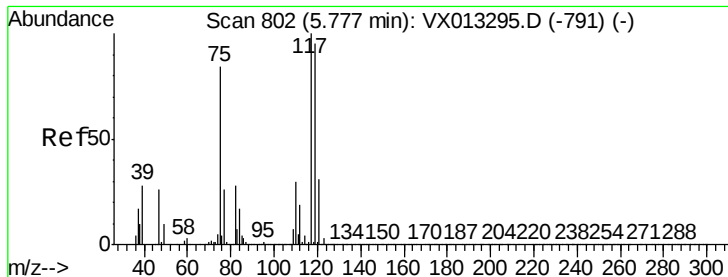
Tot Ion	Ratio	Lower	Upper
113	100		
111	103.0	81.9	122.9
192	23.3	19.1	28.7



#36
1,1-Dichloropropene
Concen: 4.765 ug/l
RT: 5.65 min Scan# 782
Delta R.T. -0.13 min
Lab File: VX013472.D
Acq: 20 Nov 2019 12:00

Tgt Ion	Ratio	Lower	Upper
75	100		
110	10.6	18.1	54.1#
77	0.0	25.0	37.4#





#38

Carbon Tetrachloride

Concen: 6.390 ug/l

RT: 5.65 min Scan# 781

Delta R.T. -0.13 min

Lab File: VX013472.D

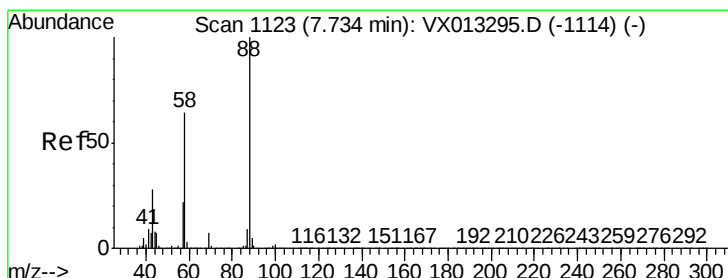
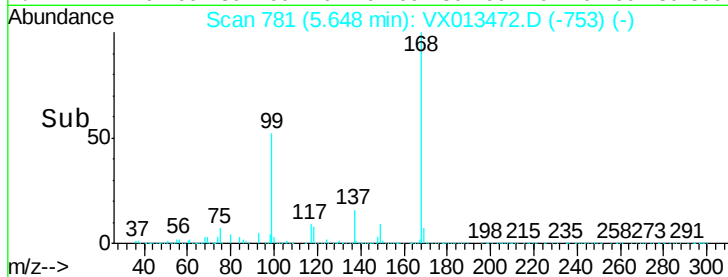
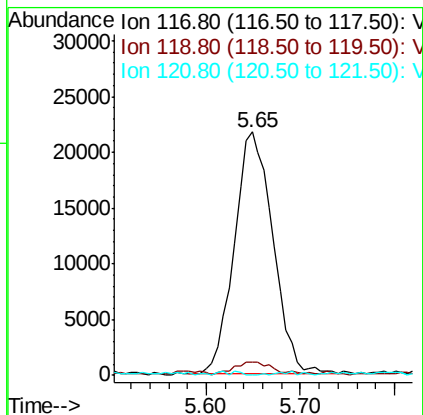
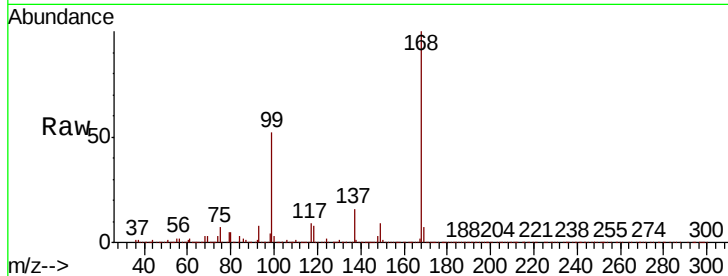
Acq: 20 Nov 2019 12:00

Instrument :

MSVOA_X

ClientSampled :

Tot Ion	Ratio	Lower	Upper
117	100		
119	4.8	76.1	114.1#
121	0.0	24.6	37.0#



#49

1,4-Dioxane

Concen: 0.765 ug/l

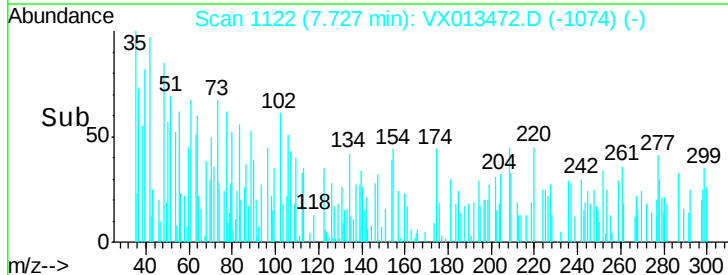
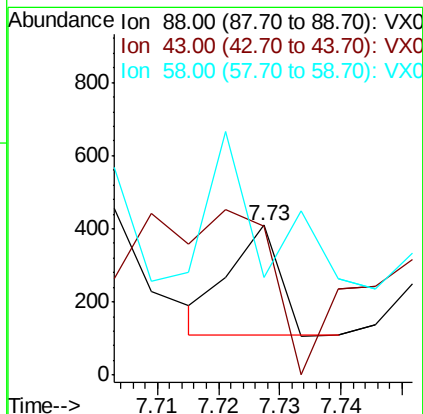
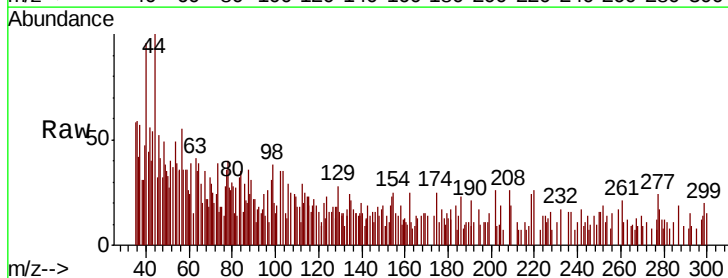
RT: 7.73 min Scan# 1122

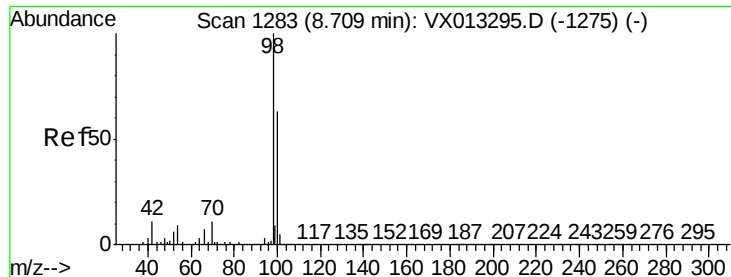
Delta R.T. -0.01 min

Lab File: VX013472.D

Acq: 20 Nov 2019 12:00

Tgt Ion	Ratio	Lower	Upper
88	100		
43	478.9	26.6	39.8#
58	659.0	55.0	82.6#





#50

Toluene-d8

Concen: 50.552 ug/l

RT: 8.71 min Scan# 1283

Delta R.T. -0.00 min

Lab File: VX013472.D

Acq: 20 Nov 2019 12:00

Instrument :

MSVOA_X

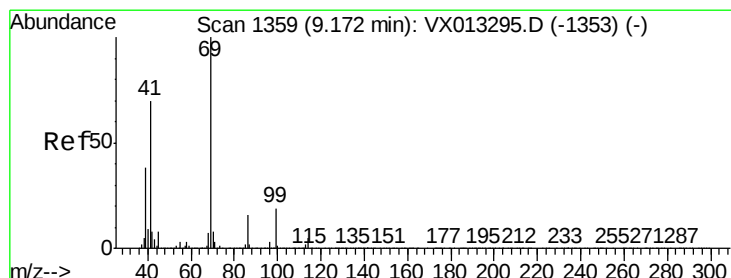
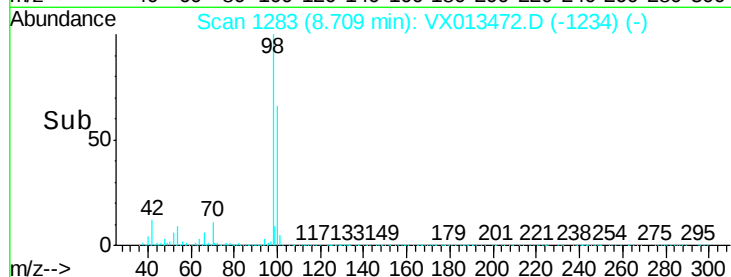
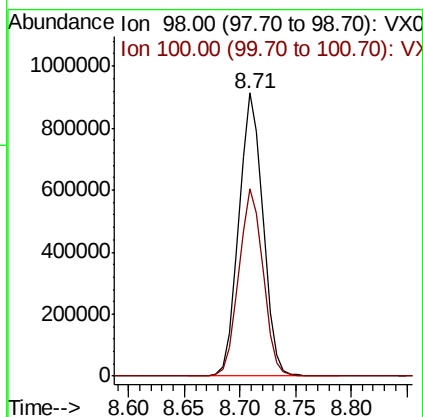
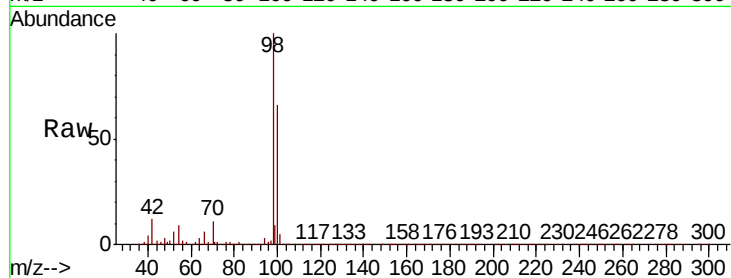
ClientSampled :

Tot Ion: 98 Resp: 1375120

Ion Ratio Lower Upper

98 100

100 66.1 52.2 78.2



#56

Ethyl methacrylate

Concen: 1.583 ug/l

RT: 9.18 min Scan# 1360

Delta R.T. 0.01 min

Lab File: VX013472.D

Acq: 20 Nov 2019 12:00

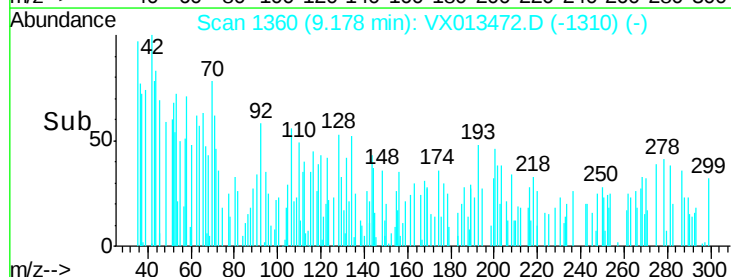
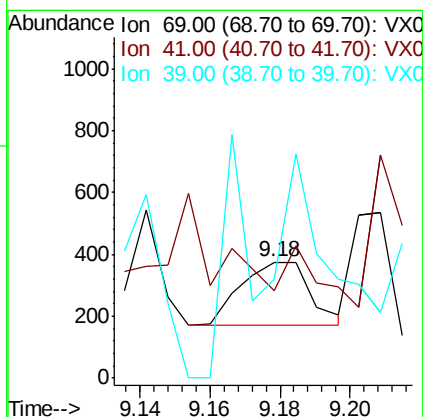
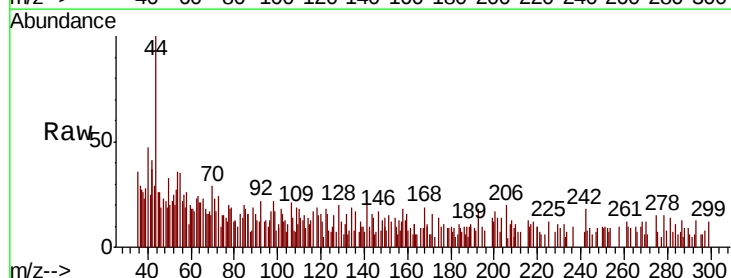
Tgt Ion: 69 Resp: 276

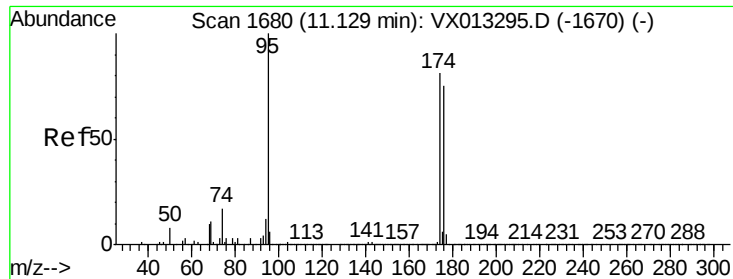
Ion Ratio Lower Upper

69 100

41 0.0 56.2 84.2#

39 204.0 31.1 46.7#





#62

4-Bromofluorobenzene

Concen: 46.426 ug/l

RT: 11.14 min Scan# 1681

Delta R.T. 0.01 min

Lab File: VX013472.D

Acq: 20 Nov 2019 12:00

Instrument :

MSVOA_X

ClientSampleId :

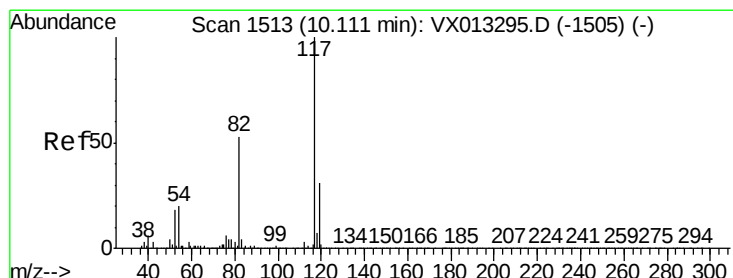
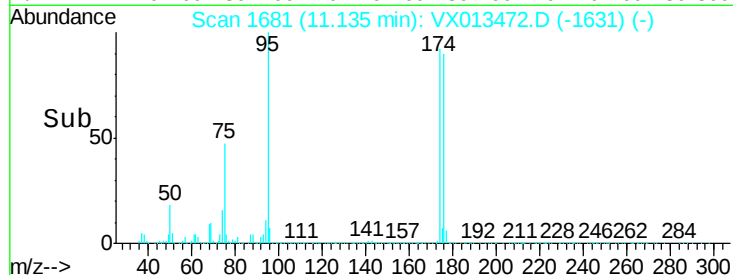
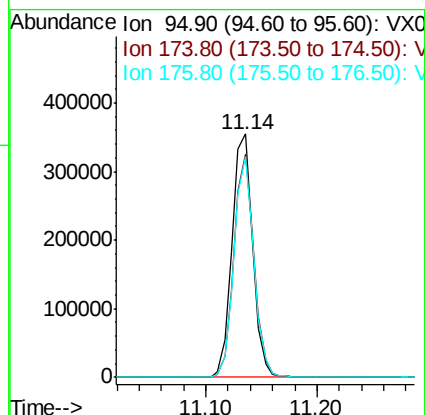
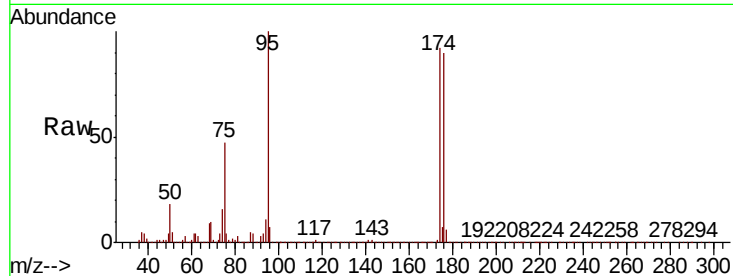
Tot Ion: 95 Resp: 455785

Ion Ratio Lower Upper

95 100

174 88.8 0.0 179.8

176 87.1 0.0 173.0



#63

Chlorobenzene-d5

Concen: 50.000 ug/l

RT: 10.11 min Scan# 1513

Delta R.T. -0.00 min

Lab File: VX013472.D

Acq: 20 Nov 2019 12:00

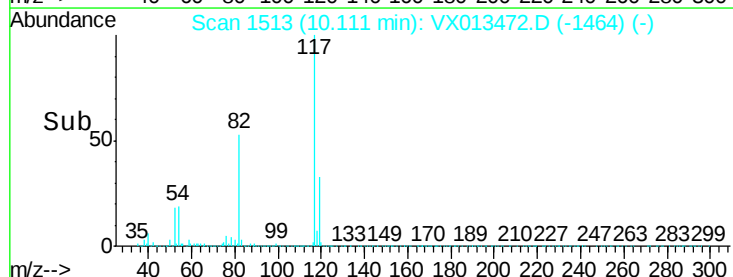
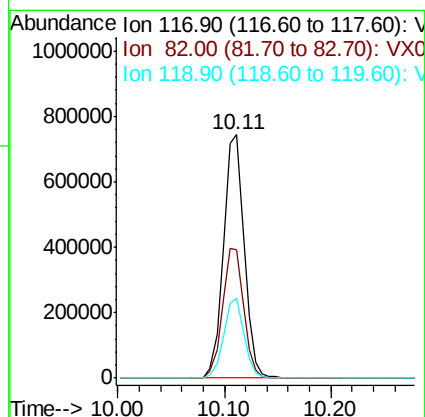
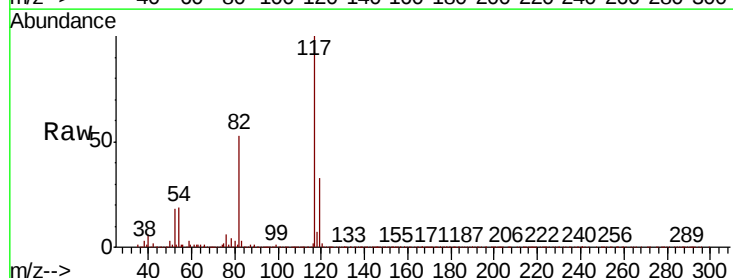
Tgt Ion: 117 Resp: 1015112

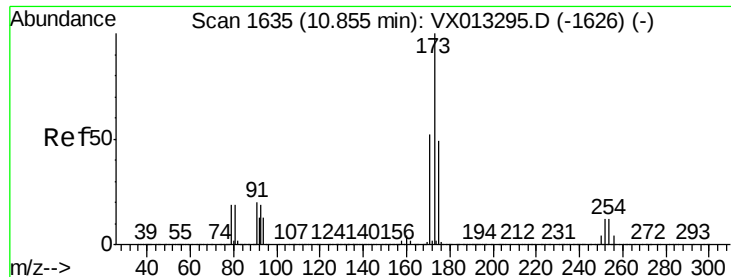
Ion Ratio Lower Upper

117 100

82 52.7 42.6 64.0

119 32.9 24.8 37.2





#71

Bromoform

Concen: 3.242 ug/l

RT: 10.85 min Scan# 1634

Delta R.T. -0.01 min

Lab File: VX013472.D

Acq: 20 Nov 2019 12:00

Instrument :

MSVOA_X

ClientSampled :

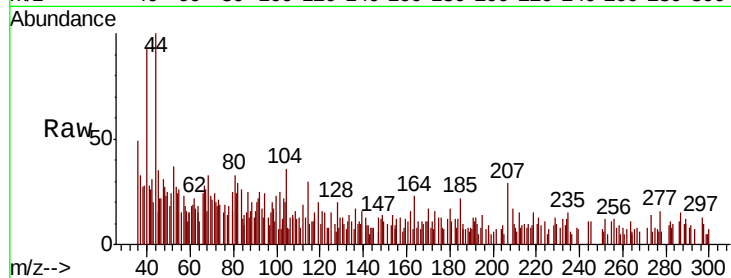
Tot Ion:173 Resp: 292

Ion Ratio Lower Upper

173 100

175 0.0 24.8 74.4#

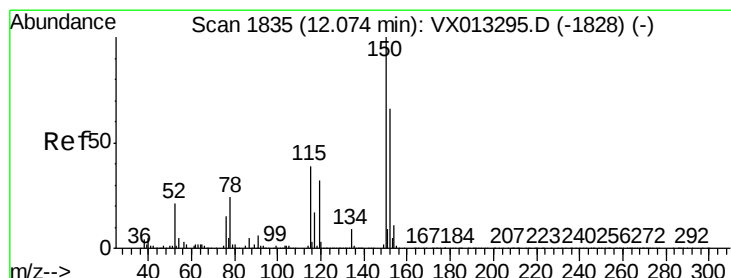
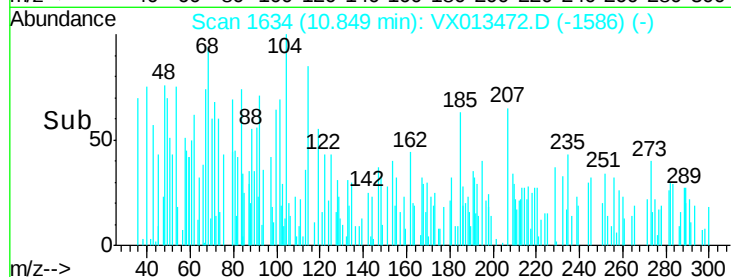
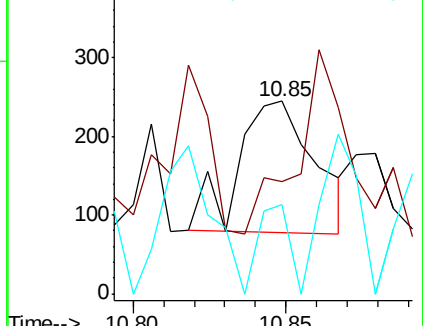
254 27.4 0.2 0.2#



Abundance Ion 172.70 (172.40 to 173.40): V

Ion 174.70 (174.40 to 175.40): V

Ion 254.40 (254.10 to 255.10): V



#72

1,4-Dichlorobenzene-d4

Concen: 50.000 ug/l

RT: 12.07 min Scan# 1835

Delta R.T. -0.00 min

Lab File: VX013472.D

Acq: 20 Nov 2019 12:00

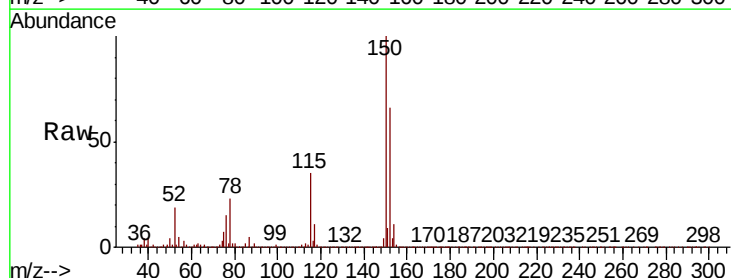
Tgt Ion:152 Resp: 462908

Ion Ratio Lower Upper

152 100

115 55.3 39.5 118.3

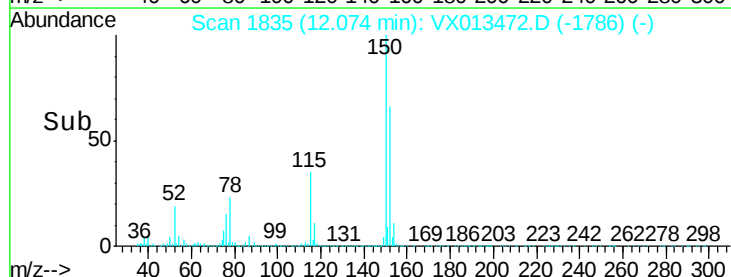
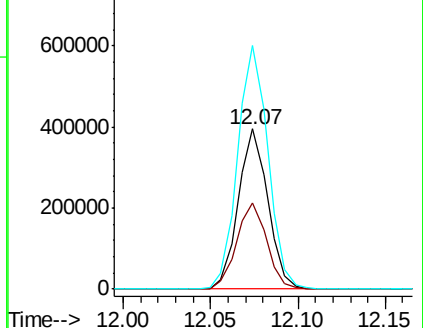
150 156.3 0.0 344.4

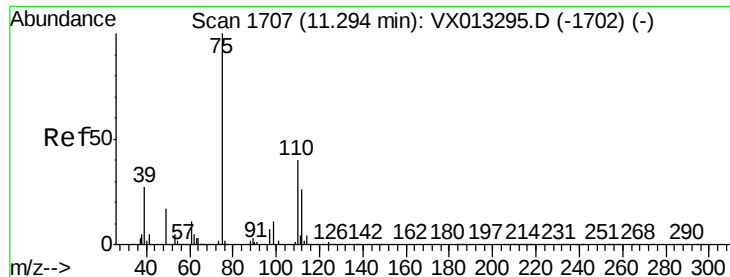


Abundance Ion 151.90 (151.60 to 152.60): V

Ion 114.90 (114.60 to 115.60): V

Ion 149.90 (149.60 to 150.60): V





#76

1,2,3-Trichloropropane

Concen: 23.945 ug/l

RT: 11.13 min Scan# 1680

Delta R.T. -0.16 min

Lab File: VX013472.D

Acq: 20 Nov 2019 12:00

Instrument :

MSVOA_X

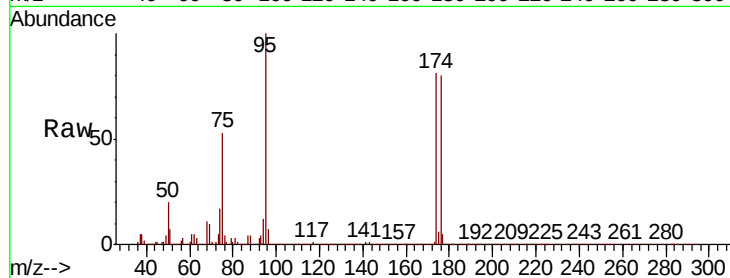
ClientSampleId :

Tot Ion: 75 Resp: 225136

Ion Ratio Lower Upper

75 100

77 1.7 22.3 66.8#



Abundance Ion 74.90 (74.60 to 75.60): VX0

Ion 77.00 (76.70 to 77.70): VX0

200000

150000

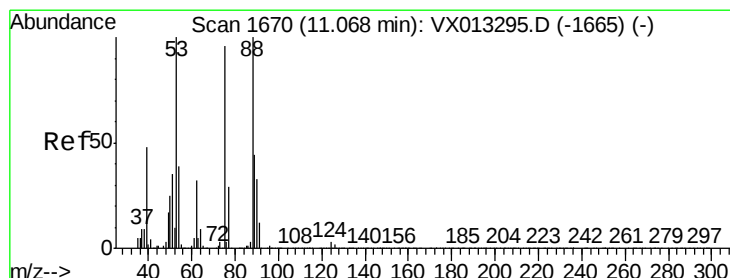
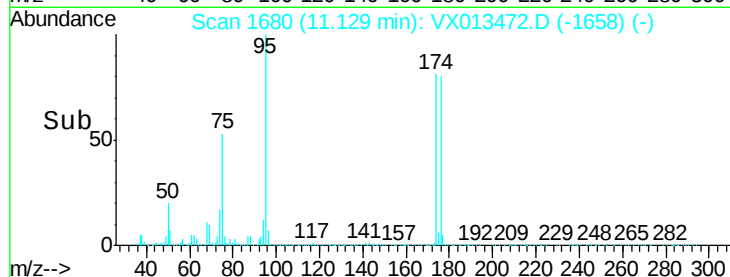
100000

50000

0

11.10 11.20

Time-->



#81

trans-1,4-Dichloro-2-butene

Concen: 61.633 ug/l

RT: 11.13 min Scan# 1680

Delta R.T. 0.06 min

Lab File: VX013472.D

Acq: 20 Nov 2019 12:00

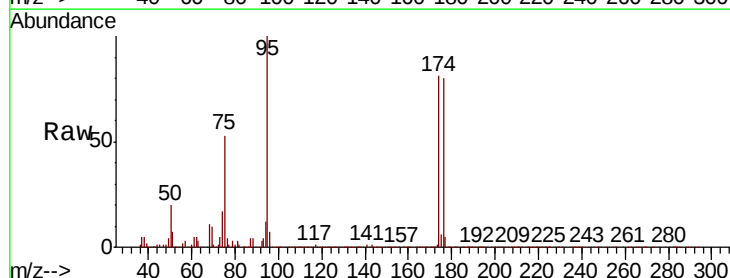
Tgt Ion: 75 Resp: 225136

Ion Ratio Lower Upper

75 100

53 0.4 81.0 121.6#

89 0.1 36.0 54.0#



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

200000

150000

100000

50000

0

11.10 11.20

Time-->

