

Data Path : Z:\VOASRV\HPCHEM1\MSVOA X\DATA\VX010820\
 Data File : VX014484.D
 Acq On : 08 Jan 2020 20:13
 Operator : JC/SP
 Sample : IBLK
 Misc : 5.0mL/MSVOA X/WATER
 ALS Vial : 26 Sample Multiplier: 1

Instrument :
 MSVOA_X
 ClientSampleId :

Quant Time: Jan 09 06:13:24 2020
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_X\METHOD\82X010720W.M
 Quant Title : SW846 8260
 QLast Update : Tue Jan 07 15:54:41 2020
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Pentafluorobenzene	5.65	168	516889	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	6.85	114	797204	50.00	ug/l	0.00
63) Chlorobenzene-d5	10.11	117	723247	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	12.07	152	331358	50.00	ug/l	0.00

System Monitoring Compounds	R.T.	QIon	Response	Conc	Units	Dev(Min)
33) 1,2-Dichloroethane-d4	6.05	65	284100	49.24	ug/l	0.00
Spiked Amount						
			Recovery	=	98.48%	
35) Dibromofluoromethane	5.48	113	236672	49.04	ug/l	0.00
Spiked Amount						
			Recovery	=	98.08%	
50) Toluene-d8	8.71	98	938105	50.09	ug/l	0.00
Spiked Amount						
			Recovery	=	100.18%	
62) 4-Bromofluorobenzene	11.14	95	322470	46.90	ug/l	0.00
Spiked Amount						
			Recovery	=	93.80%	

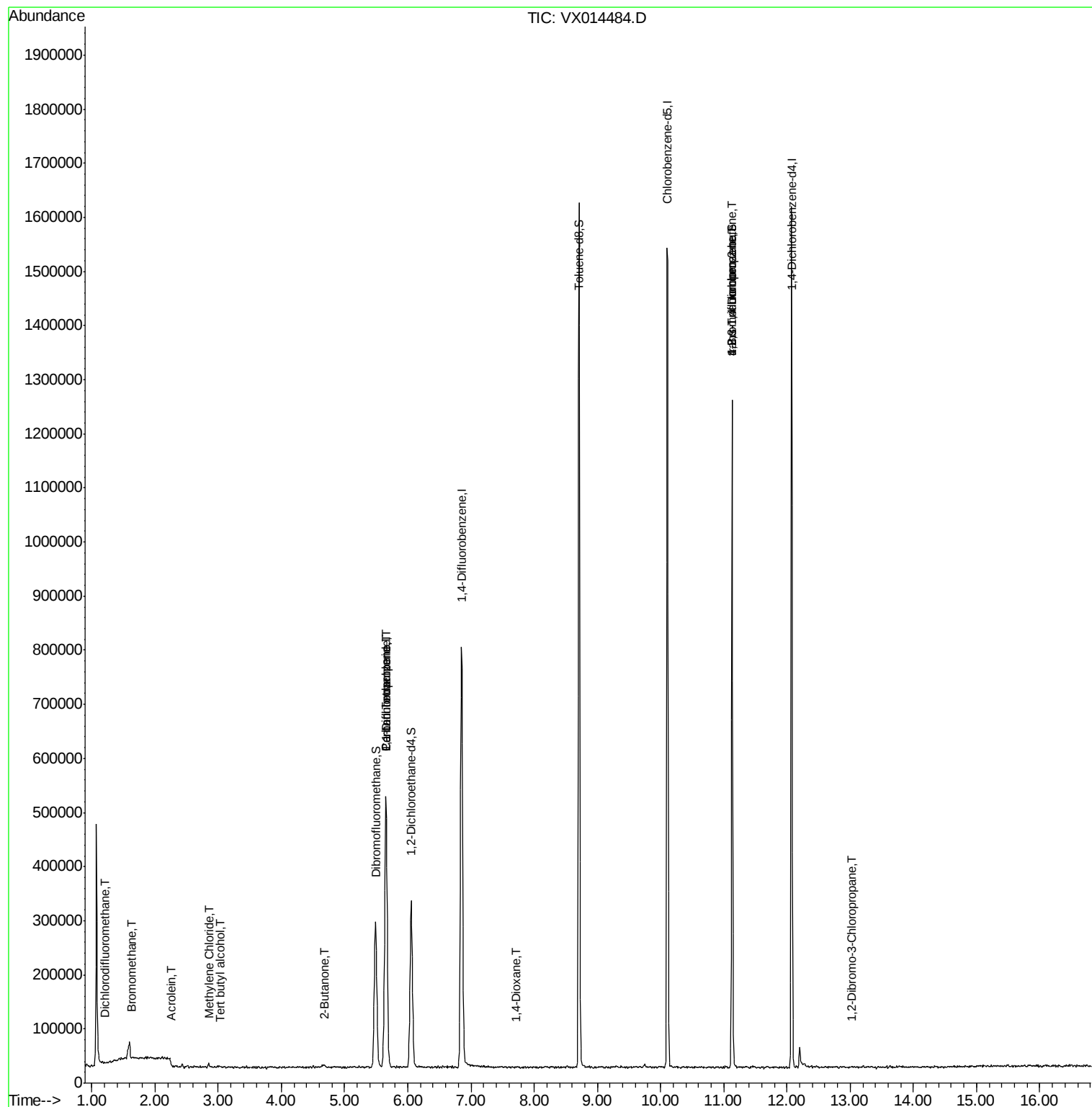
Target Compounds	R.T.	QIon	Response	Conc	Units	Qvalue
2) Dichlorodifluoromethane	1.21	85	446	0.322	ug/l	91
5) Bromomethane	1.64	94	1568	0.322	ug/l #	46
6) Chloroethane	1.65	64	587	Below Cal		90
11) Tert butyl alcohol	3.03	59	1095	0.909	ug/l #	90
13) Acrolein	2.27	56	473	0.490	ug/l #	58
16) Acetone	2.43	43	5515	Below Cal	#	87
20) Methylene Chloride	2.85	84	3479	0.599	ug/l #	92
25) 2-Butanone	4.69	43	2579	0.598	ug/l #	89
36) 1,1-Dichloropropene	5.65	75	35179	4.692	ug/l #	52
38) Carbon Tetrachloride	5.65	117	45683	6.622	ug/l #	17
49) 1,4-Dioxane	7.72	88	146	1.094	ug/l #	1
76) 1,2,3-Trichloropropane	11.13	75	157695	23.001	ug/l #	35
81) trans-1,4-Dichloro-2-buten	11.13	75	157695	60.812	ug/l #	12
88) 1,4-Dichlorobenzene	12.07	146	685	Below Cal	#	1
92) 1,2-Dibromo-3-Chloropropan	13.01	75	456	0.272	ug/l	61
93) 1,2,4-Trichlorobenzene	13.50	180	294	Below Cal		69
96) 1,2,3-Trichlorobenzene	14.01	180	312	Below Cal	#	32

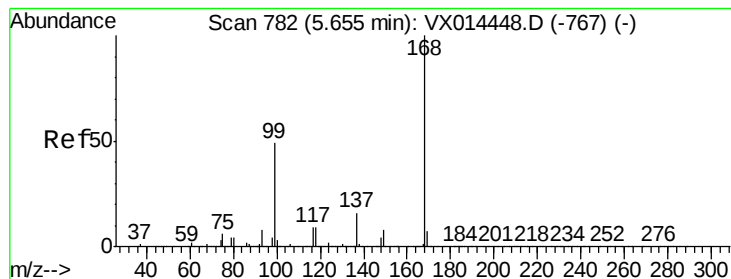
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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QLast Update : Tue Jan 07 15:54:41 2020
Response via : Initial Calibration





#1

Pentafluorobenzene

Concen: 50.000 ug/l

RT: 5.65 min Scan# 782

Delta R.T. 0.00 min

Lab File: VX014484.D

Acq: 08 Jan 2020 20:13

Instrument :

MSVOA_X

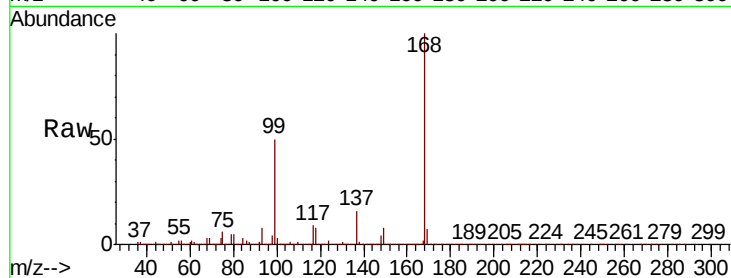
ClientSampleId :

Tot Ion:168 Resp: 516889

Ion Ratio Lower Upper

168 100

99 49.5 39.2 58.8



Abundance Ion 167.90 (167.60 to 168.60): V

Ion 98.90 (98.60 to 99.60): VX0

5.65

200000

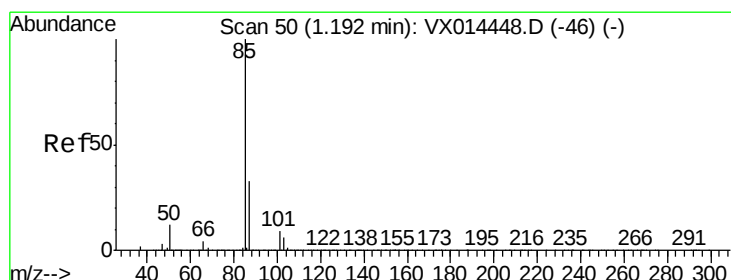
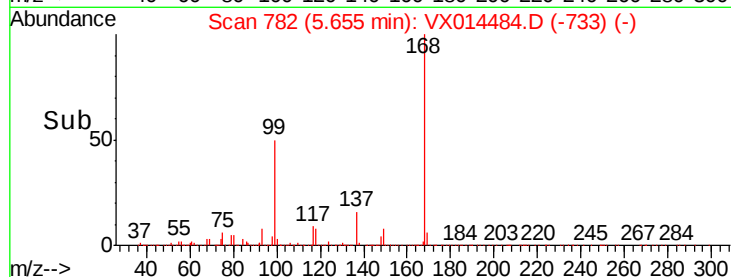
150000

100000

50000

0

Time-->



#2

Dichlorodifluoromethane

Concen: 0.322 ug/l

RT: 1.21 min Scan# 53

Delta R.T. 0.02 min

Lab File: VX014484.D

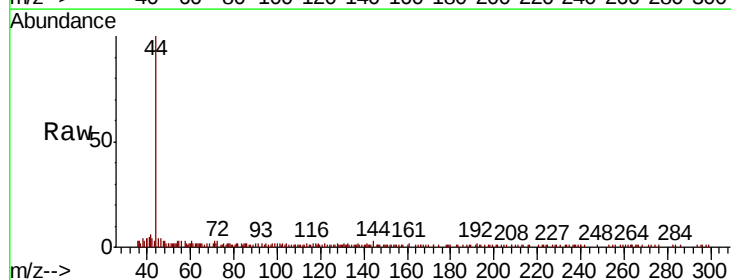
Acq: 08 Jan 2020 20:13

Tgt Ion: 85 Resp: 446

Ion Ratio Lower Upper

85 100

87 38.2 16.5 49.5



Abundance Ion 84.90 (84.60 to 85.60): VX0

Ion 86.90 (86.60 to 87.60): VX0

1.21

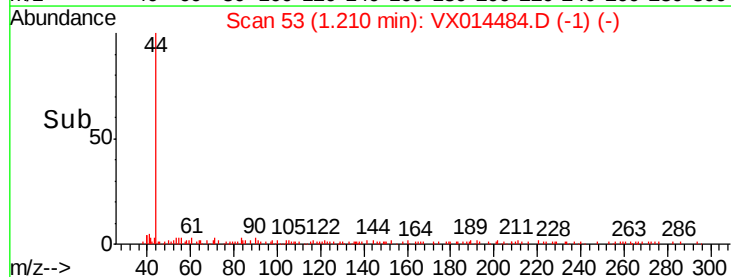
300

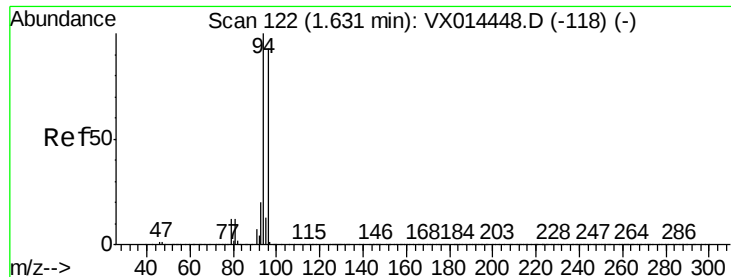
200

100

0

Time-->





#5

Bromomethane

Concen: 0.322 ug/l

RT: 1.64 min Scan# 123

Delta R.T. 0.01 min

Lab File: VX014484.D

Acq: 08 Jan 2020 20:13

Instrument :

MSVOA_X

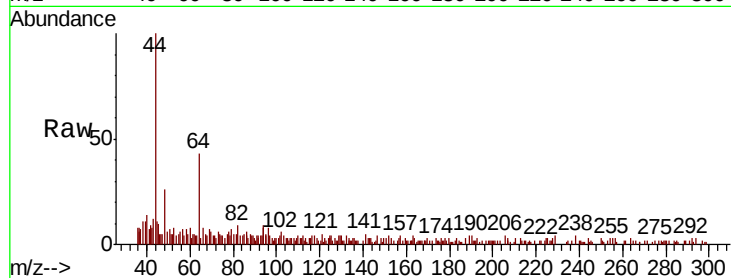
ClientSampleId :

Tot Ion: 94 Resp: 1568

Ion Ratio Lower Upper

94 100

96 40.6 74.2 111.2#



Abundance Ion 93.90 (93.60 to 94.60): VX0

Ion 95.90 (95.60 to 96.60): VX0

1.64

800

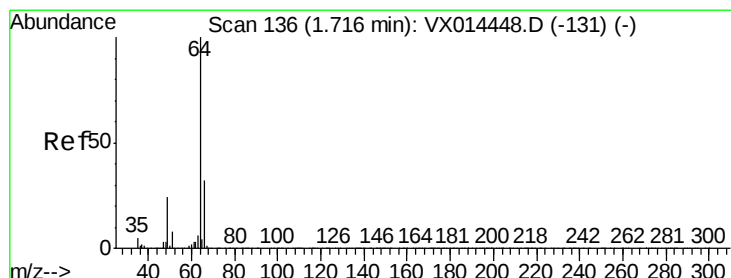
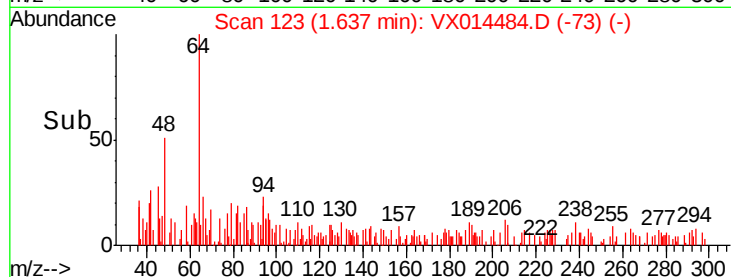
600

400

200

0

Time-->



#6

Chloroethane

Concen: Below Cal

RT: 1.65 min Scan# 125

Delta R.T. -0.07 min

Lab File: VX014484.D

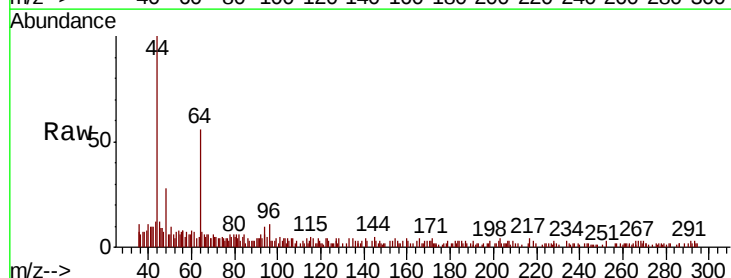
Acq: 08 Jan 2020 20:13

Tgt Ion: 64 Resp: 587

Ion Ratio Lower Upper

64 100

66 37.3 25.3 37.9



Abundance Ion 63.90 (63.60 to 64.60): VX0

Ion 65.90 (65.60 to 66.60): VX0

1.65

3000

2500

2000

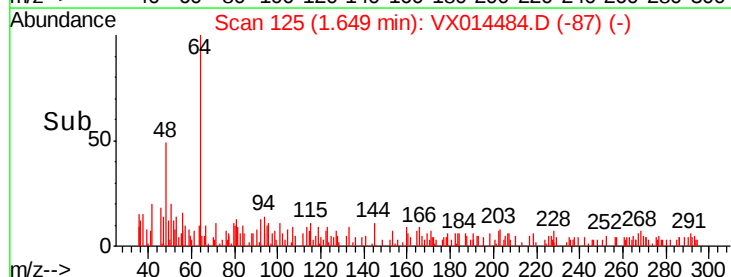
1500

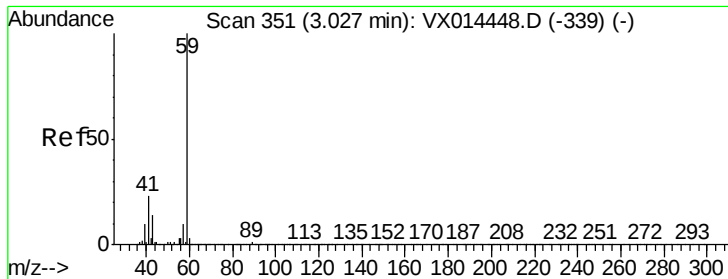
1000

500

0

Time-->



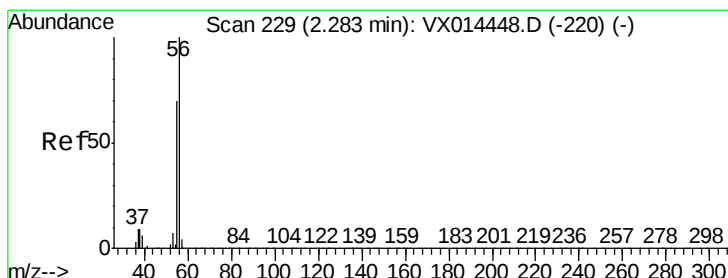
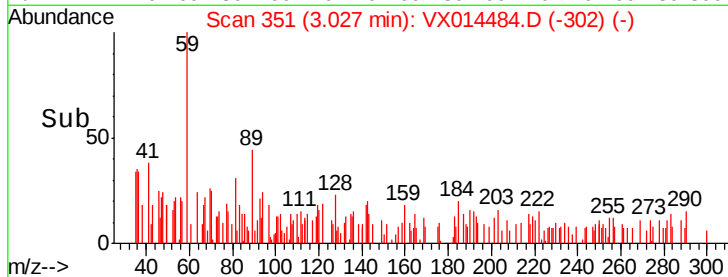
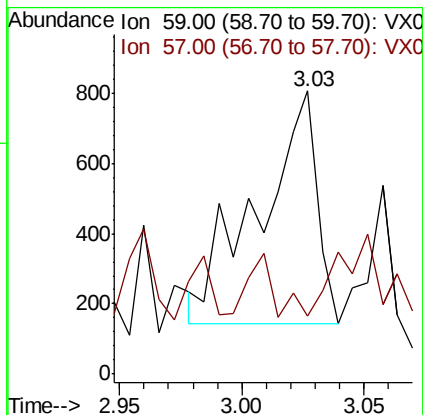
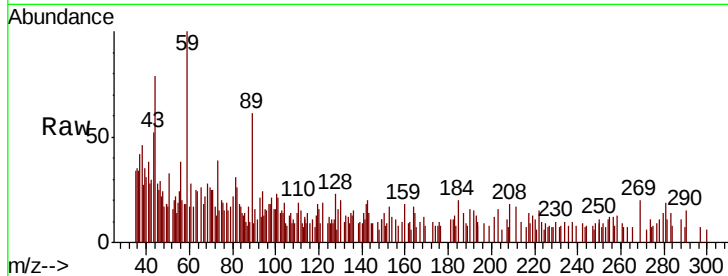


#11

Tert butyl alcohol
 Concen: 0.909 ug/l
 RT: 3.03 min Scan# 351
 Delta R.T. 0.00 min
 Lab File: VX014484.D
 Acq: 08 Jan 2020 20:13

Instrument :
 MSVOA_X
 ClientSampled :

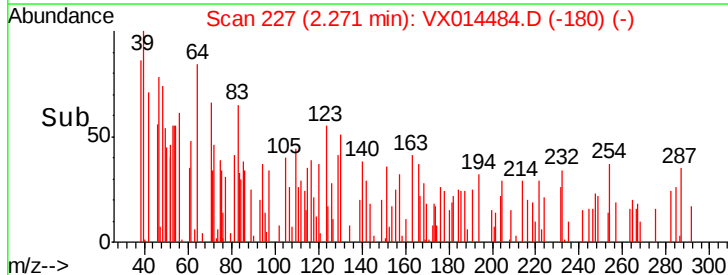
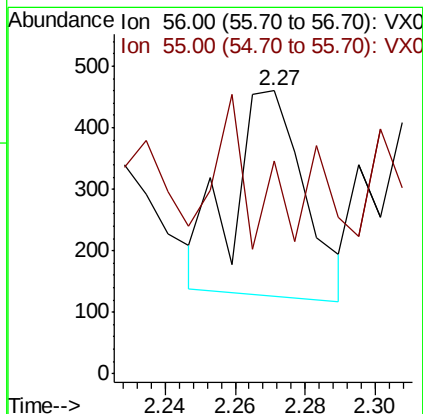
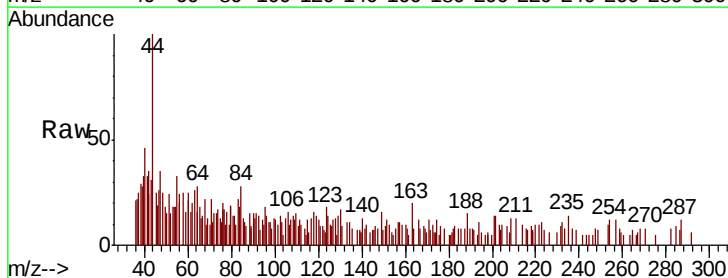
Tot Ion: 59 Resp: 1095
 Ion Ratio Lower Upper
 59 100
 57 14.4 8.5 12.7#

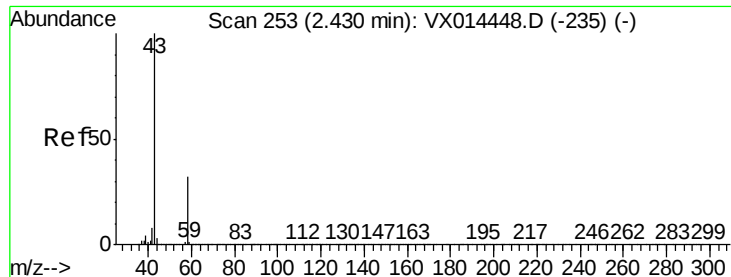


#13

Acrolein
 Concen: 0.490 ug/l
 RT: 2.27 min Scan# 227
 Delta R.T. -0.01 min
 Lab File: VX014484.D
 Acq: 08 Jan 2020 20:13

Tgt Ion: 56 Resp: 473
 Ion Ratio Lower Upper
 56 100
 55 34.5 55.0 82.6#





#16

Acetone

Concen: Below Cal

RT: 2.43 min Scan# 253

Delta R.T. 0.00 min

Lab File: VX014484.D

Acq: 08 Jan 2020 20:13

Instrument :

MSVOA_X

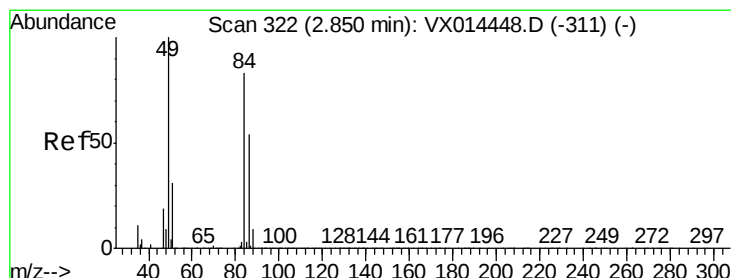
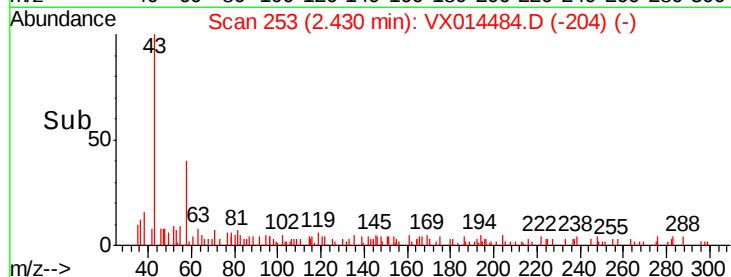
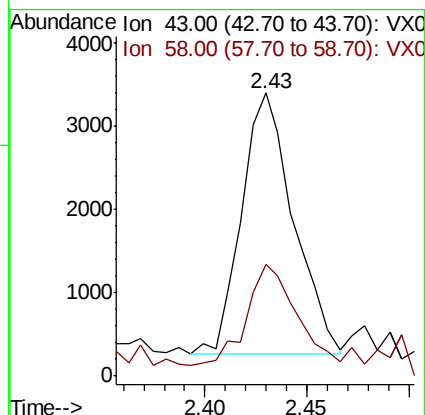
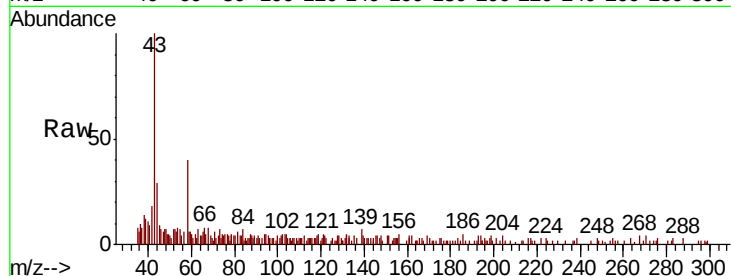
ClientSampleId :

Tot Ion: 43 Resp: 5515

Ion Ratio Lower Upper

43 100

58 39.1 25.4 38.0#



#20

Methylene Chloride

Concen: 0.599 ug/l

RT: 2.85 min Scan# 322

Delta R.T. 0.00 min

Lab File: VX014484.D

Acq: 08 Jan 2020 20:13

Tgt Ion: 84 Resp: 3479

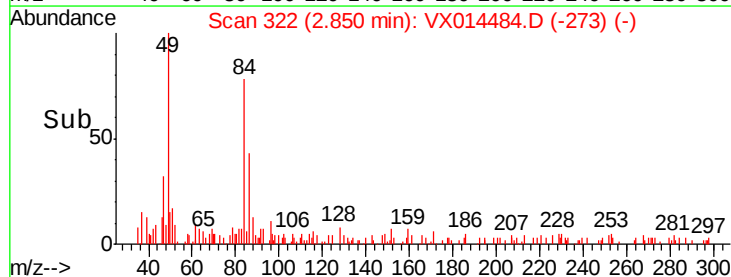
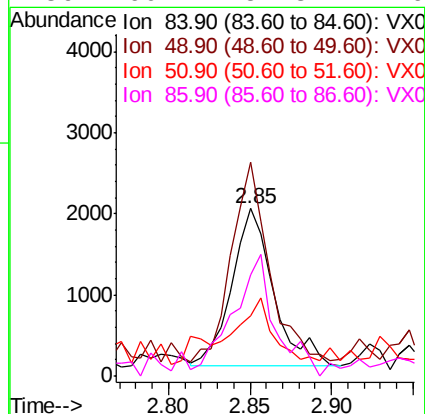
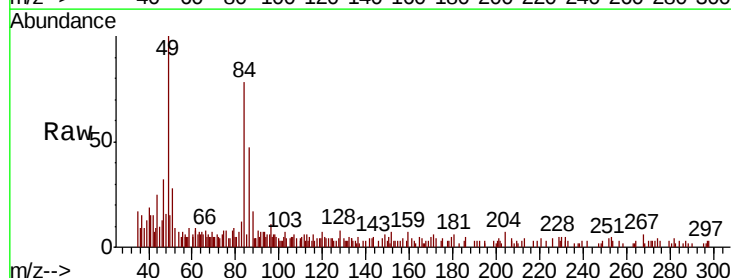
Ion Ratio Lower Upper

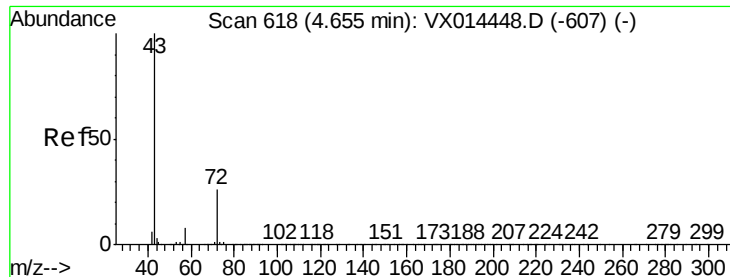
84 100

49 126.8 95.8 143.8

51 28.8 30.2 45.4#

86 60.1 51.8 77.6





#25

2-Butanone

Concen: 0.598 ug/l

RT: 4.69 min Scan# 623

Delta R.T. 0.03 min

Lab File: VX014484.D

Acq: 08 Jan 2020 20:13

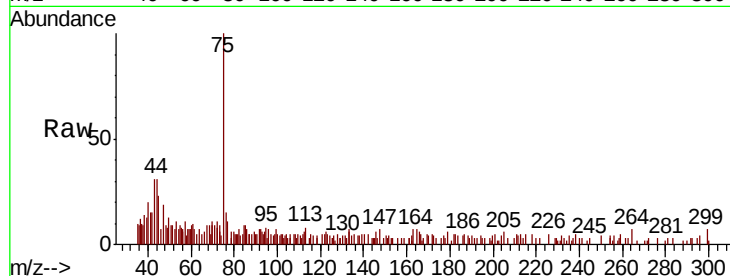
Instrument :
MSVOA_X
ClientSampled :

Tot Ion: 43 Resp: 2579

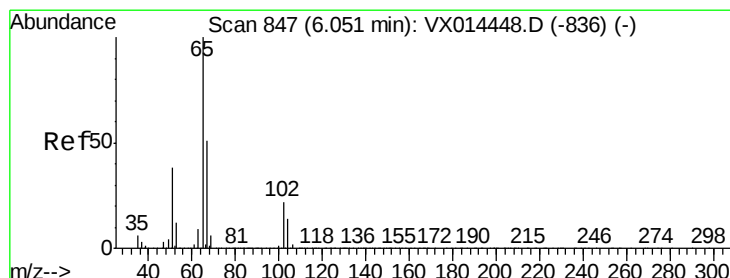
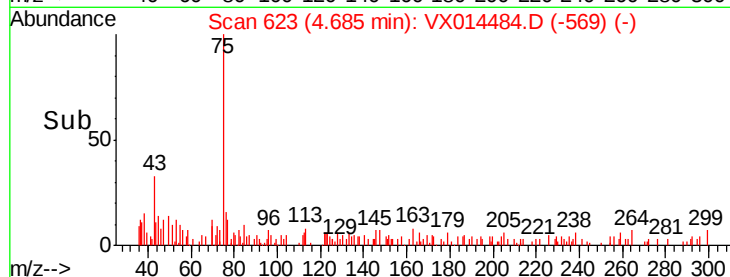
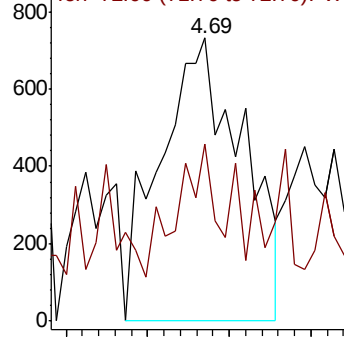
Ion Ratio Lower Upper

43 100

72 31.1 20.6 31.0#



Abundance Ion 43.00 (42.70 to 43.70): VX0
Ion 72.00 (71.70 to 72.70): VX0



#33

1,2-Dichloroethane-d4

Concen: 49.235 ug/l

RT: 6.05 min Scan# 847

Delta R.T. 0.00 min

Lab File: VX014484.D

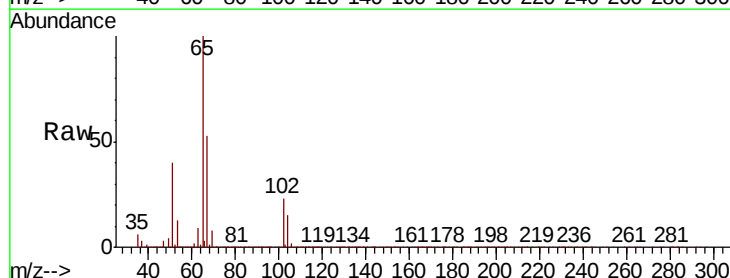
Acq: 08 Jan 2020 20:13

Tgt Ion: 65 Resp: 284100

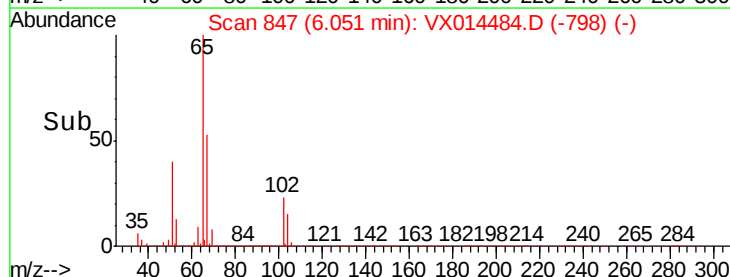
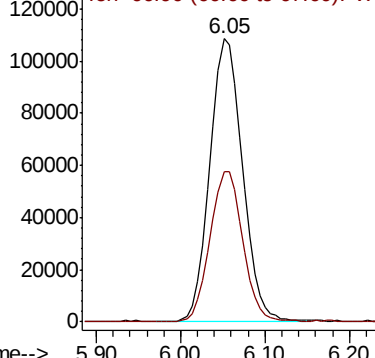
Ion Ratio Lower Upper

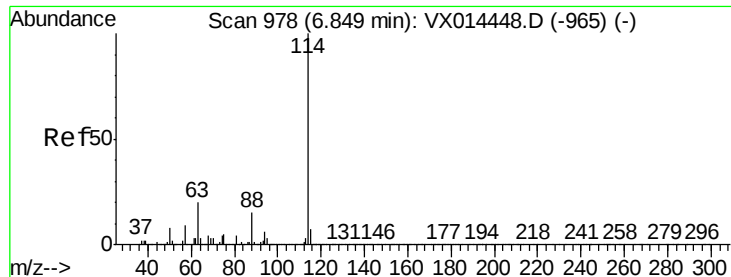
65 100

67 53.1 0.0 106.2



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: 6.85 min Scan# 978

Delta R.T. 0.00 min

Lab File: VX014484.D

Acq: 08 Jan 2020 20:13

Instrument :

MSVOA_X

ClientSampleId :

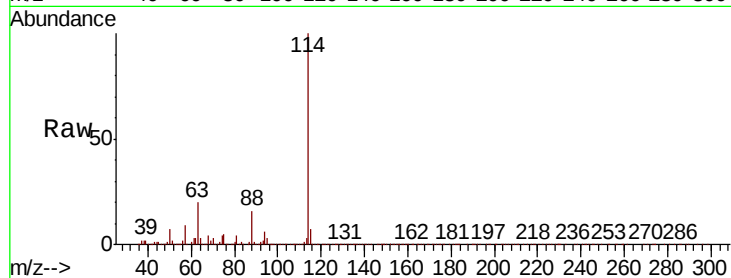
Tot Ion:114 Resp: 797204

Ion Ratio Lower Upper

114 100

63 20.0 0.0 39.6

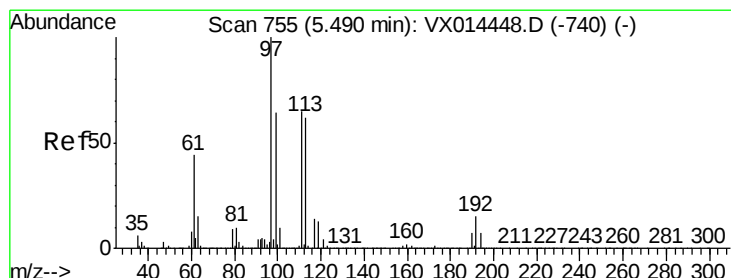
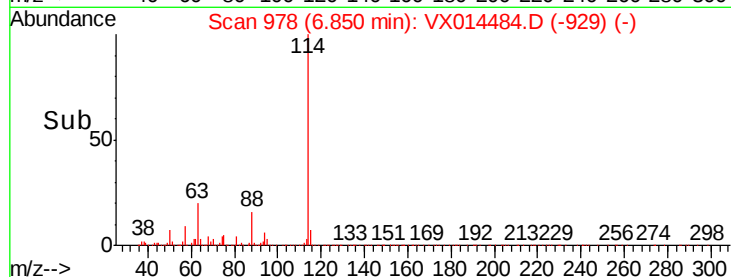
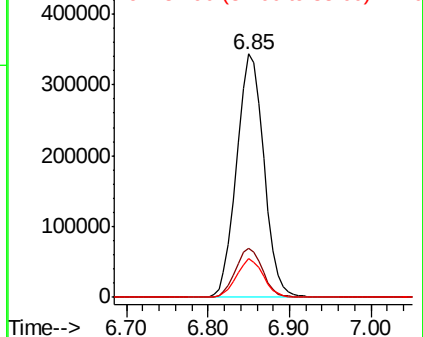
88 15.9 0.0 30.8



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: 49.043 ug/l

RT: 5.48 min Scan# 754

Delta R.T. -0.01 min

Lab File: VX014484.D

Acq: 08 Jan 2020 20:13

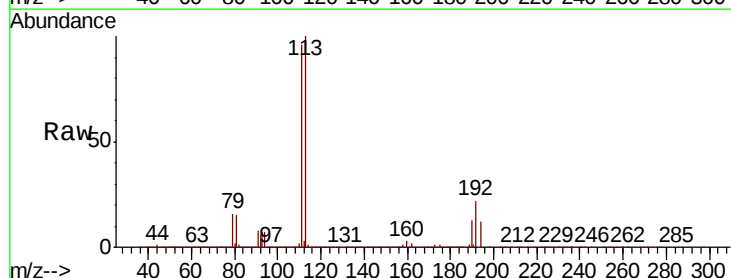
Tgt Ion:113 Resp: 236672

Ion Ratio Lower Upper

113 100

111 101.7 81.5 122.3

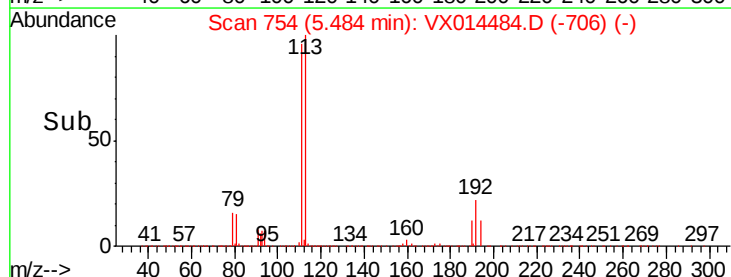
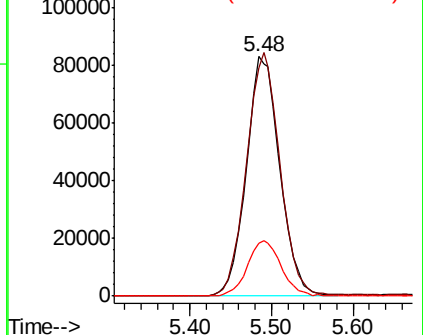
192 23.3 19.2 28.8

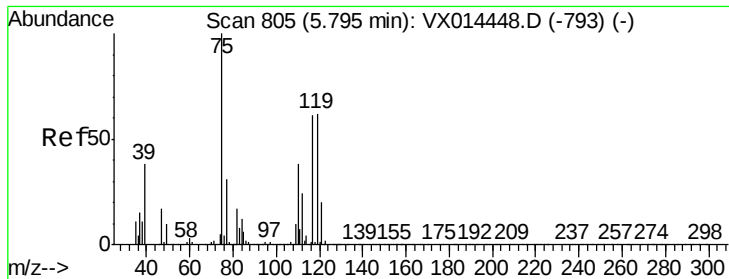


Abundance Ion 112.80 (112.50 to 113.50): V

Ion 110.80 (110.50 to 111.50): V

Ion 191.70 (191.40 to 192.40): V





#36

1,1-Dichloropropene

Concen: 4.692 ug/l

RT: 5.65 min Scan# 781

Delta R.T. -0.15 min

Lab File: VX014484.D

Acq: 08 Jan 2020 20:13

Instrument :
MSVOA_X
ClientSampleId :

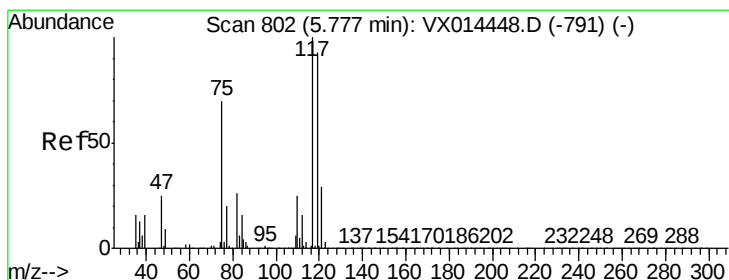
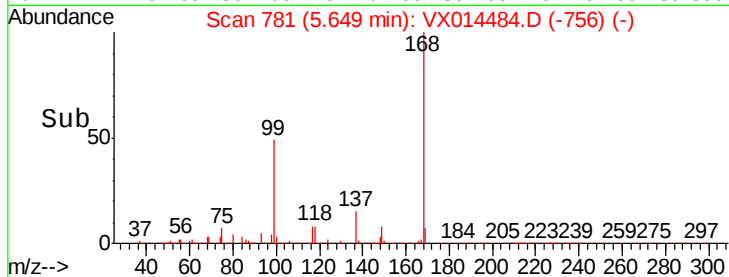
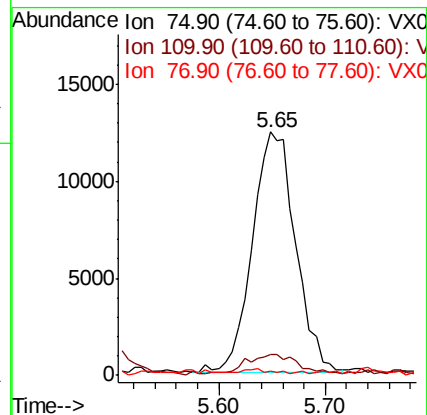
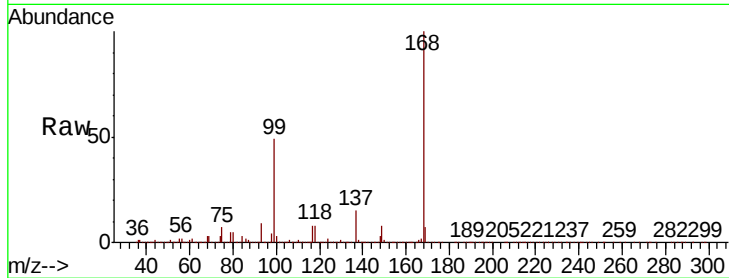
Tot Ion: 75 Resp: 35179

Ion Ratio Lower Upper

75 100

110 10.6 18.6 55.8#

77 1.9 24.5 36.7#



#38

Carbon Tetrachloride

Concen: 6.622 ug/l

RT: 5.65 min Scan# 782

Delta R.T. -0.12 min

Lab File: VX014484.D

Acq: 08 Jan 2020 20:13

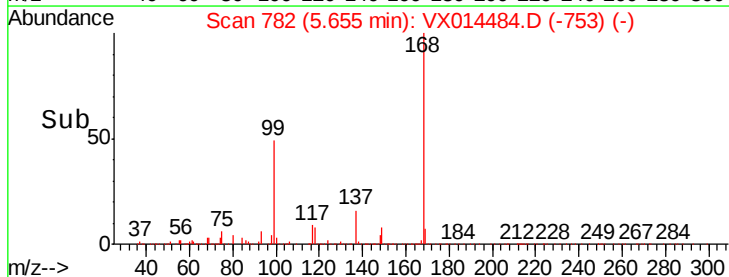
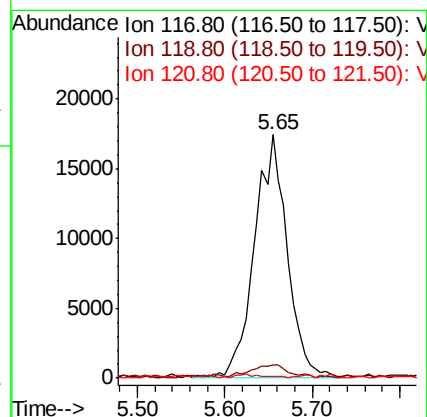
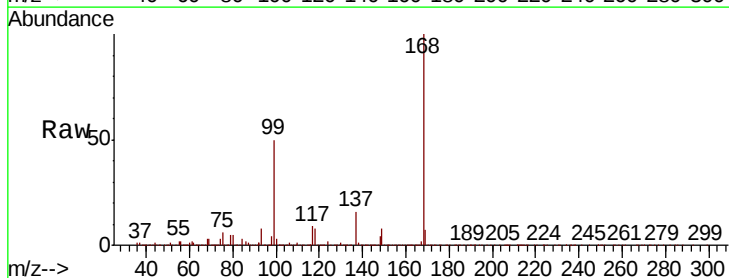
Tgt Ion:117 Resp: 45683

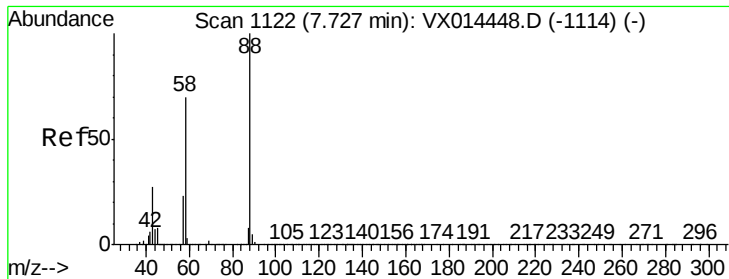
Ion Ratio Lower Upper

117 100

119 4.4 73.8 110.8#

121 1.0 23.4 35.0#





#49

1,4-Dioxane

Concen: 1.094 ug/l

RT: 7.72 min Scan# 1120

Delta R.T. -0.01 min

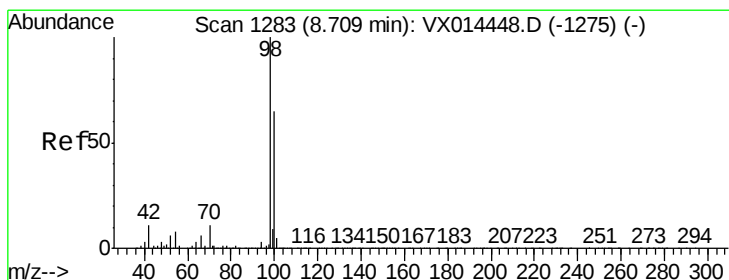
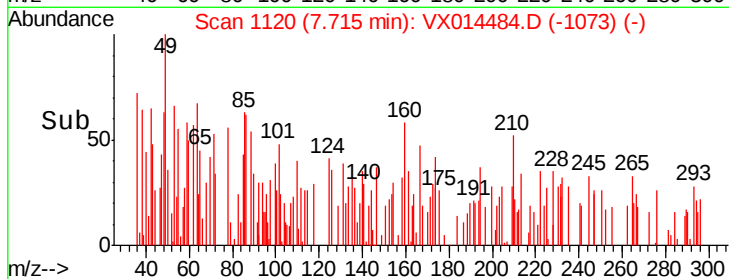
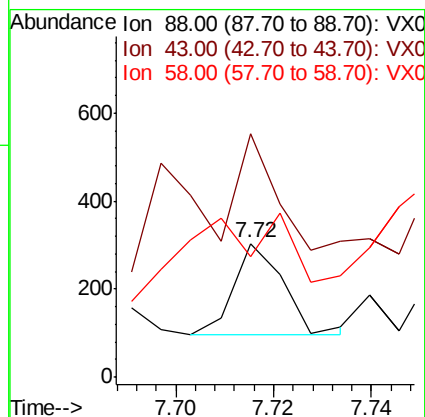
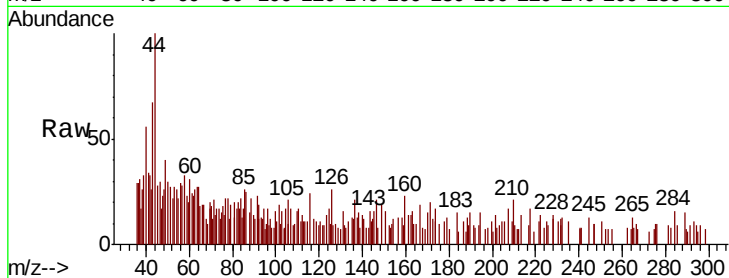
Lab File: VX014484.D

Acq: 08 Jan 2020 20:13

Instrument :
MSVOA_X
ClientSampleId :

Tot Ion: 88 Resp: 146

Ion	Ratio	Lower	Upper
88	100		
43	0.0	27.4	41.0#
58	191.1	57.1	85.7#



#50

Toluene-d8

Concen: 50.093 ug/l

RT: 8.71 min Scan# 1283

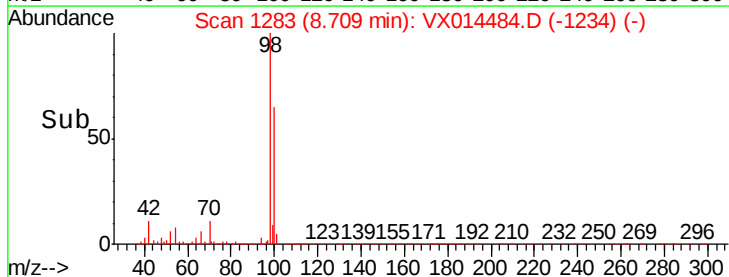
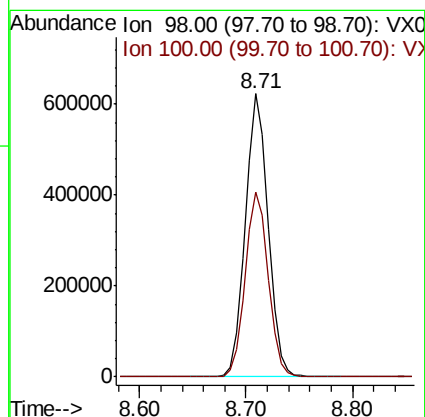
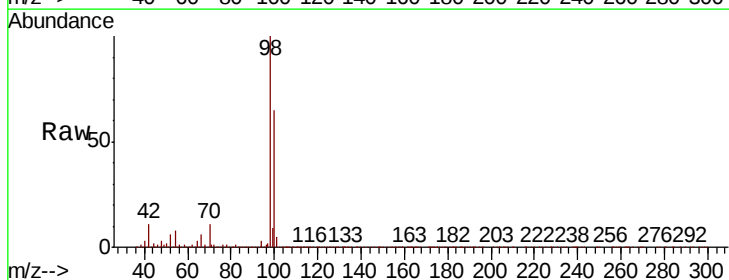
Delta R.T. 0.00 min

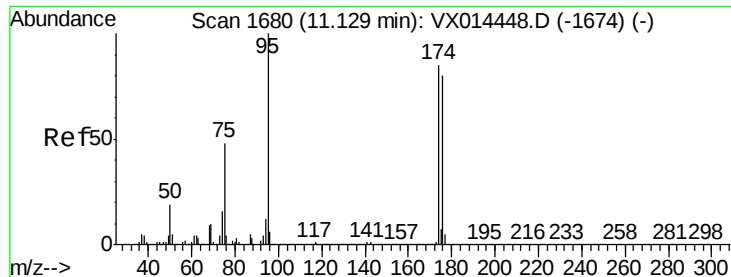
Lab File: VX014484.D

Acq: 08 Jan 2020 20:13

Tgt Ion: 98 Resp: 938105

Ion	Ratio	Lower	Upper
98	100		
100	66.0	53.2	79.8

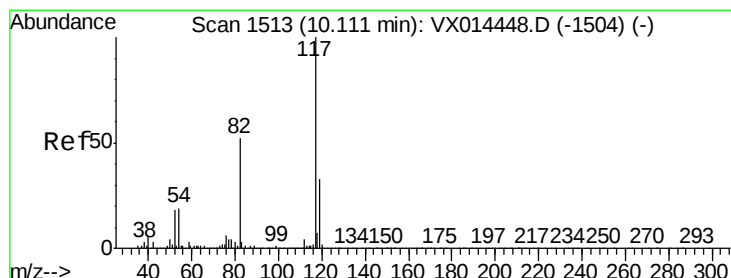
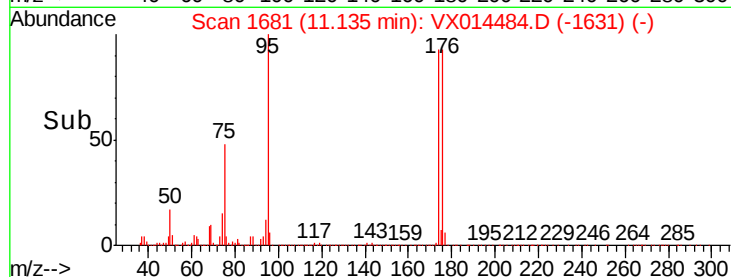
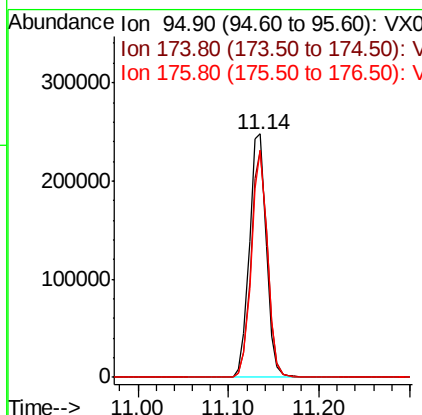
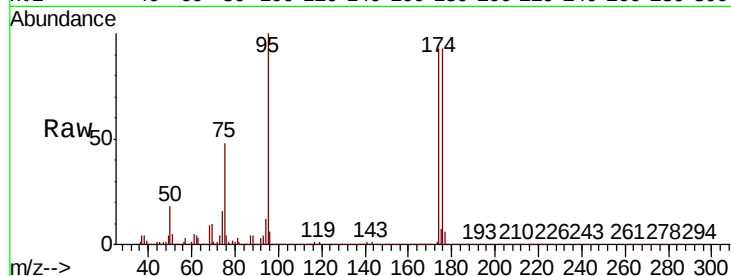




#62
4-Bromofluorobenzene
Concen: 46.904 ug/l
RT: 11.14 min Scan# 1681
Delta R.T. 0.01 min
Lab File: VX014484.D
Acq: 08 Jan 2020 20:13

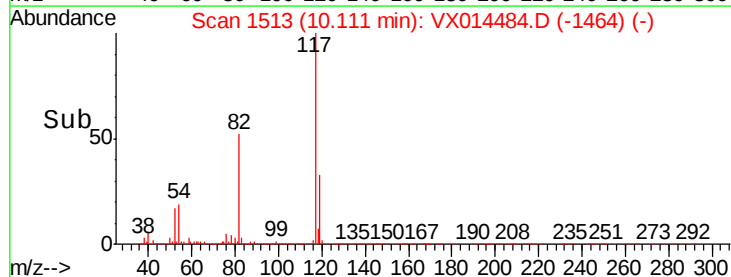
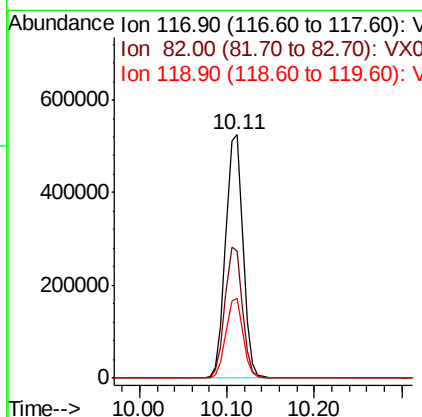
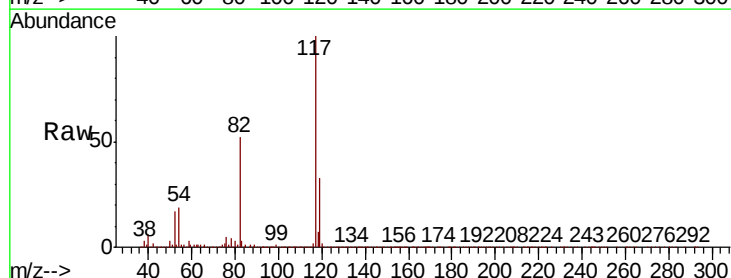
Instrument :
MSVOA_X
ClientSampleId :

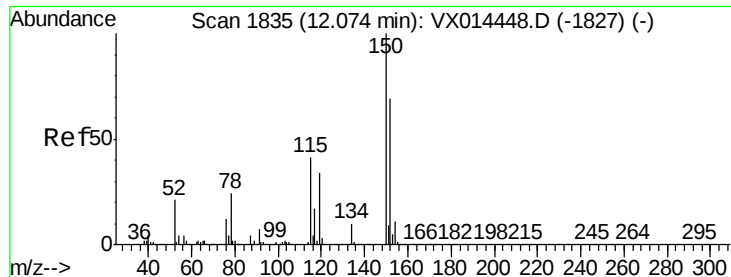
Tot Ion: 95 Resp: 322470
Ion Ratio Lower Upper
95 100
174 89.7 0.0 180.8
176 87.7 0.0 172.8



#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 10.11 min Scan# 1513
Delta R.T. 0.00 min
Lab File: VX014484.D
Acq: 08 Jan 2020 20:13

Tgt Ion: 117 Resp: 723247
Ion Ratio Lower Upper
117 100
82 52.0 41.8 62.6
119 32.7 26.2 39.4



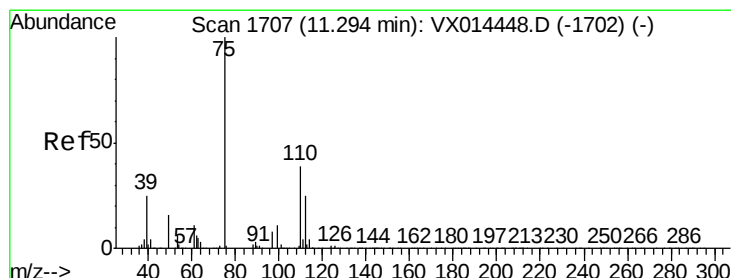
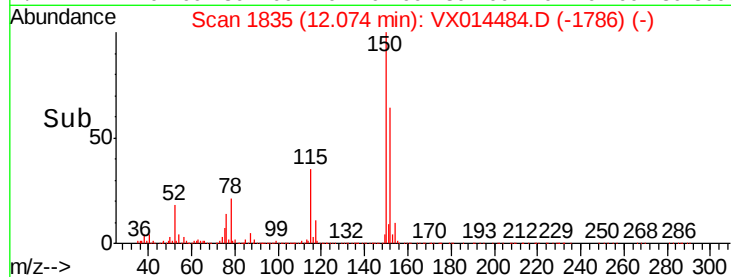
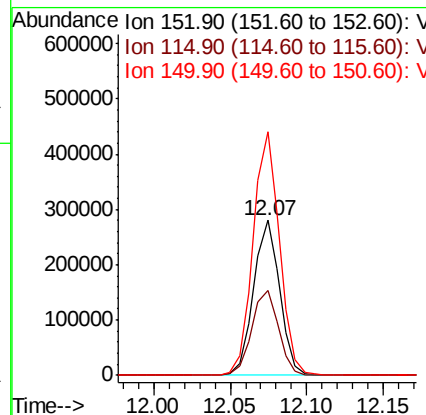
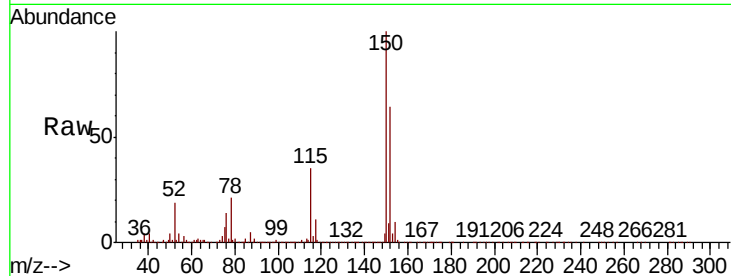


#72

1,4-Dichlorobenzene-d4
Concen: 50.000 ug/l
RT: 12.07 min Scan# 1835
Delta R.T. 0.00 min
Lab File: VX014484.D
Acq: 08 Jan 2020 20:13

Instrument :
MSVOA_X
ClientSampleId :

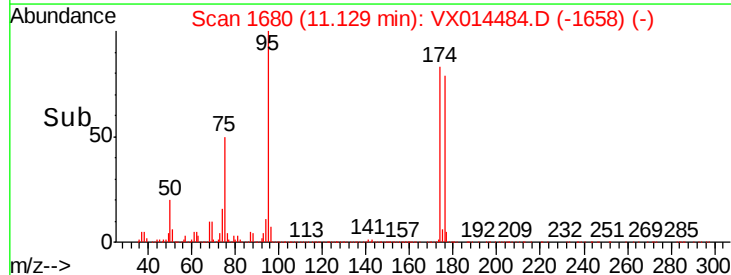
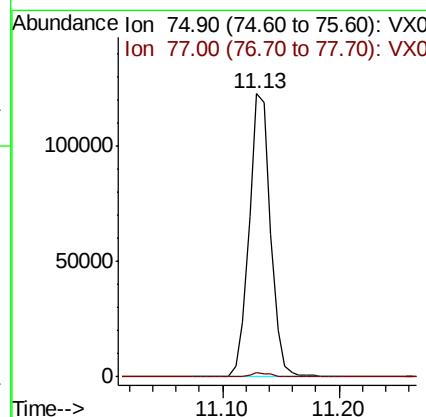
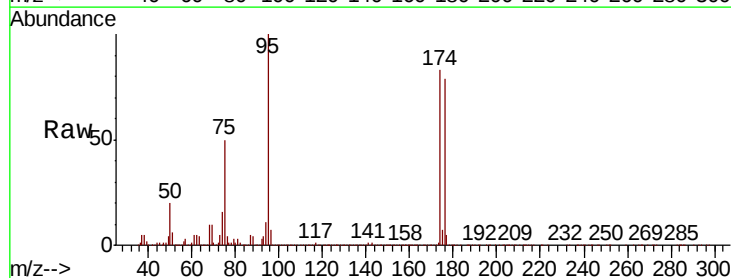
Tot Ion	Ratio	Lower	Upper
152	100		
115	56.1	39.5	118.3
150	158.1	0.0	350.2

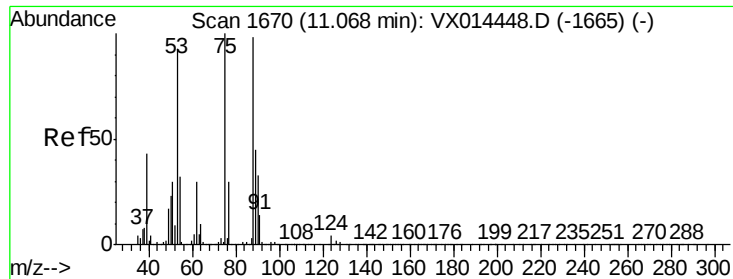


#76

1,2,3-Trichloropropane
Concen: 23.001 ug/l
RT: 11.13 min Scan# 1680
Delta R.T. -0.16 min
Lab File: VX014484.D
Acq: 08 Jan 2020 20:13

Tgt Ion	Ratio	Lower	Upper
75	100		
77	1.7	21.9	65.7#

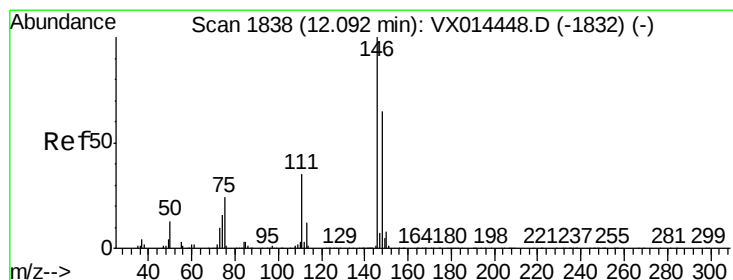
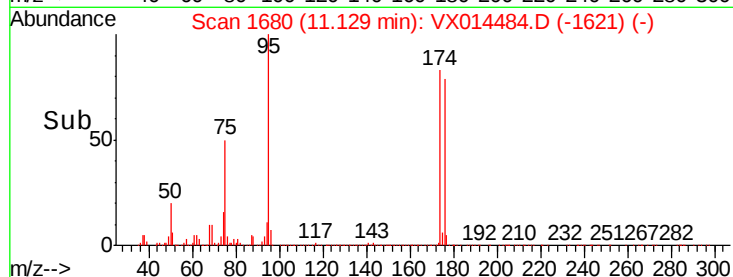
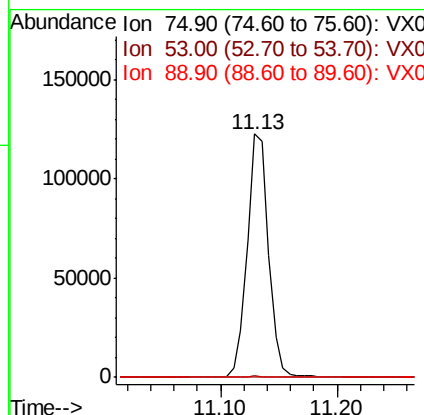
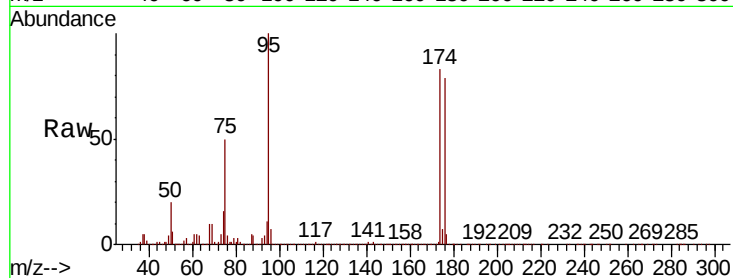




#81
trans-1,4-Dichloro-2-butene
Concen: 60.812 ug/l
RT: 11.13 min Scan# 1680
Delta R.T. 0.06 min
Lab File: VX014484.D
Acq: 08 Jan 2020 20:13

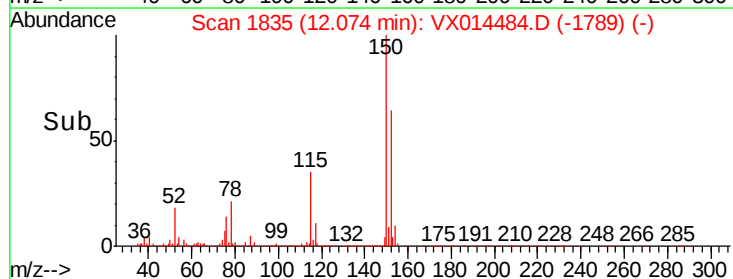
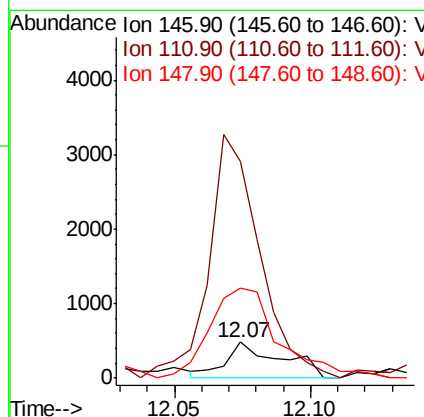
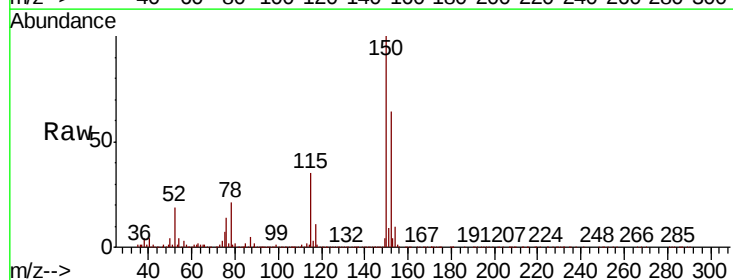
Instrument :
MSVOA_X
ClientSampleId :

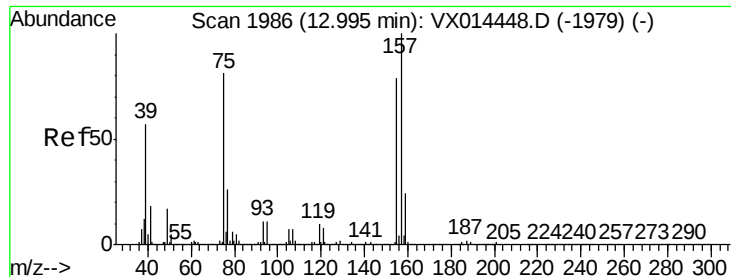
Tot Ion: 75 Resp: 157695
Ion Ratio Lower Upper
75 100
53 0.4 74.8 112.2#
89 0.0 36.3 54.5#



#88
1,4-Dichlorobenzene
Concen: Below Cal
RT: 12.07 min Scan# 1835
Delta R.T. -0.02 min
Lab File: VX014484.D
Acq: 08 Jan 2020 20:13

Tgt Ion:146 Resp: 685
Ion Ratio Lower Upper
146 100
111 619.4 18.1 54.1#
148 314.3 32.1 96.3#





#92

1,2-Dibromo-3-Chloropropane

Concen: 0.272 ug/l

RT: 13.01 min Scan# 1989

Delta R.T. 0.02 min

Lab File: VX014484.D

Acq: 08 Jan 2020 20:13

Instrument :

MSVOA_X

ClientSampleId :

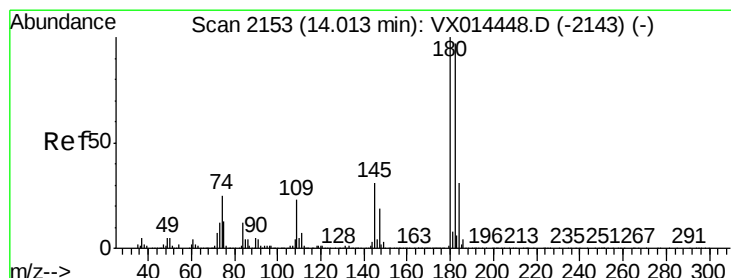
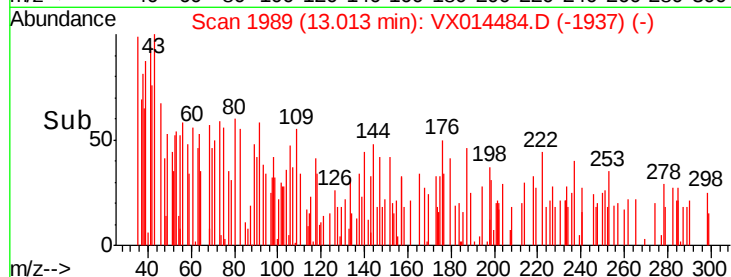
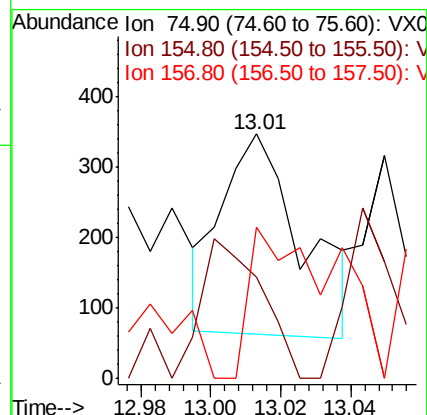
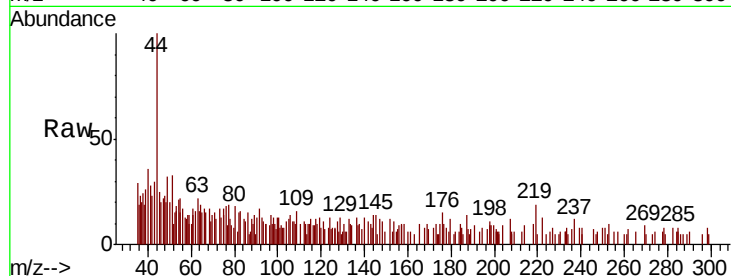
Tot Ion: 75 Resp: 456

Ion Ratio Lower Upper

75 100

155 57.9 48.7 146.1

157 80.0 62.0 185.9



#96

1,2,3-Trichlorobenzene

Concen: Below Cal

RT: 14.01 min Scan# 2153

Delta R.T. 0.00 min

Lab File: VX014484.D

Acq: 08 Jan 2020 20:13

Tgt Ion: 180 Resp: 312

Ion Ratio Lower Upper

180 100

182 155.1 47.9 143.6#

145 79.5 14.8 44.3#

