

Data Path : Z:\VOASRV\HPCHEM1\MSVOA X\DATA\WX010320\
 Data File : VX014396.D
 Acq On : 03 Jan 2020 13:30
 Operator : JC/SP
 Sample : K6482-12
 Misc : 5.0mL/MSVOA X/WATER
 ALS Vial : 7 Sample Multiplier: 1

Instrument :
 MSVOA_X
 ClientSampleId :
 TB

Quant Time: Jan 06 02:30:15 2020
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_X\METHOD\82X121319W.M
 Quant Title : SW846 8260
 QLast Update : Tue Dec 17 03:01:07 2019
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Pentafluorobenzene	5.65	168	565945	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	6.85	114	862980	50.00	ug/l	0.00
63) Chlorobenzene-d5	10.11	117	774407	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	12.07	152	352564	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	310433	48.40	ug/l	0.00
Spiked Amount			Recovery	=	96.80%	
35) Dibromofluoromethane	5.48	113	256180	48.83	ug/l	0.00
Spiked Amount			Recovery	=	97.66%	
50) Toluene-d8	8.71	98	1023033	50.09	ug/l	0.00
Spiked Amount			Recovery	=	100.18%	
62) 4-Bromofluorobenzene	11.13	95	348553	46.69	ug/l	0.00
Spiked Amount			Recovery	=	93.38%	

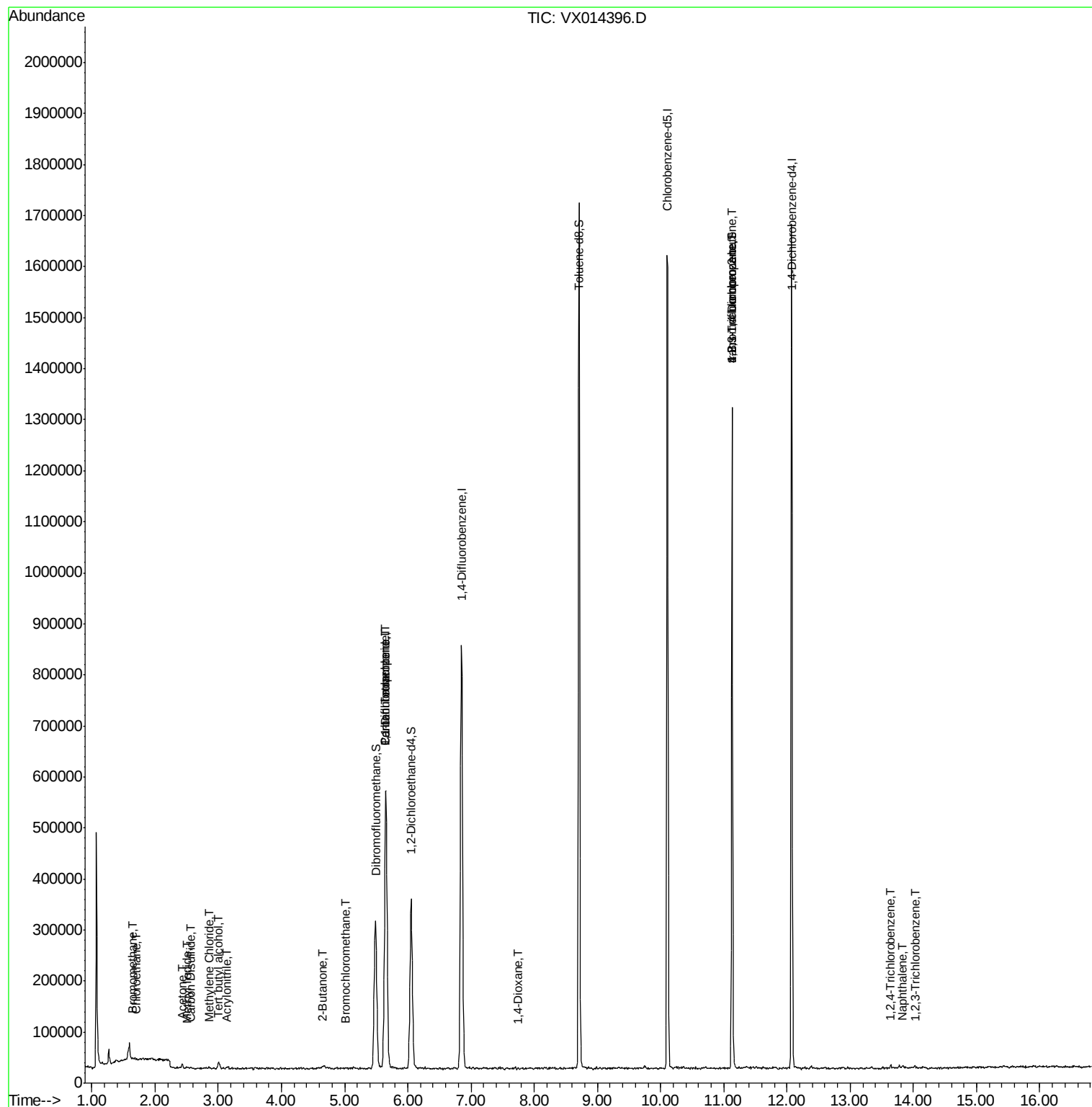
Target Compounds	R.T.	QIon	Response	Conc	Units	Qvalue
5) Bromomethane	1.65	94	2185	0.429	ug/l #	59
6) Chloroethane	1.71	64	1003	0.227	ug/l #	78
10) Methyl Iodide	2.51	142	3094	3.036	ug/l #	86
11) Tert butyl alcohol	3.00	59	8140	5.873	ug/l #	86
15) Acrylonitrile	3.14	53	774	0.239	ug/l #	37
16) Acetone	2.44	43	10006	2.403	ug/l #	84
17) Carbon Disulfide	2.56	76	2664	0.924	ug/l #	91
20) Methylene Chloride	2.85	84	2591	0.395	ug/l #	75
25) 2-Butanone	4.65	43	1082	0.211	ug/l #	69
28) Bromochloromethane	5.02	49	489	0.571	ug/l #	75
36) 1,1-Dichloropropene	5.65	75	39076	4.935	ug/l #	50
38) Carbon Tetrachloride	5.65	117	50055	6.939	ug/l #	16
49) 1,4-Dioxane	7.73	88	93	0.645	ug/l #	23
76) 1,2,3-Trichloropropane	11.13	75	169579	22.155	ug/l #	39
81) trans-1,4-Dichloro-2-buten	11.13	75	169579	62.534	ug/l #	11
93) 1,2,4-Trichlorobenzene	13.64	180	1831	0.234	ug/l	91
95) Naphthalene	13.83	128	5101	0.222	ug/l #	87
96) 1,2,3-Trichlorobenzene	14.02	180	2136	0.276	ug/l #	71

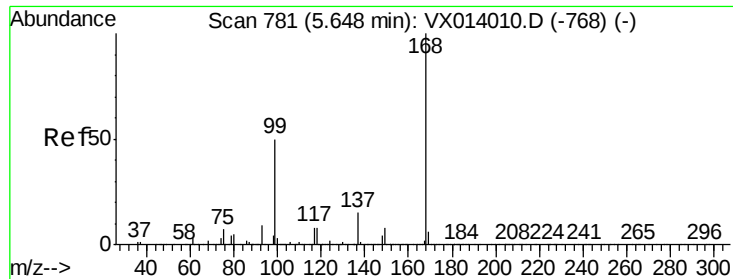
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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TB

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Quant Method : Z:\V0ASRV\HPCHEM1\MSVOA_X\METHOD\82X121319W.M
Quant Title : SW846 8260
QLast Update : Tue Dec 17 03:01:07 2019
Response via : Initial Calibration





#1

Pentafluorobenzene

Concen: 50.000 ug/l

RT: 5.65 min Scan# 782

Delta R.T. 0.01 min

Lab File: VX014396.D

Acq: 03 Jan 2020 13:30

Instrument :

MSVOA_X

ClientSampled :

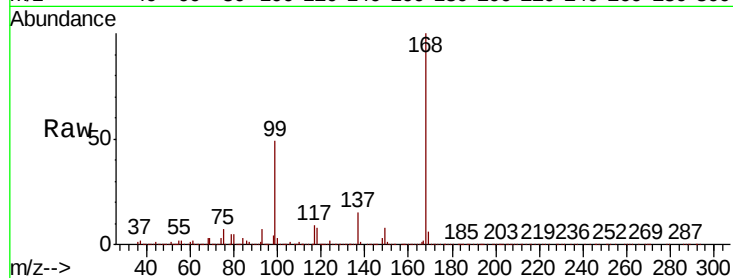
TB

Tot Ion:168 Resp: 565945

Ion Ratio Lower Upper

168 100

99 48.9 40.3 60.5



Abundance Ion 167.90 (167.60 to 168.60): V

Ion 98.90 (98.60 to 99.60): VX0

5.65

200000

150000

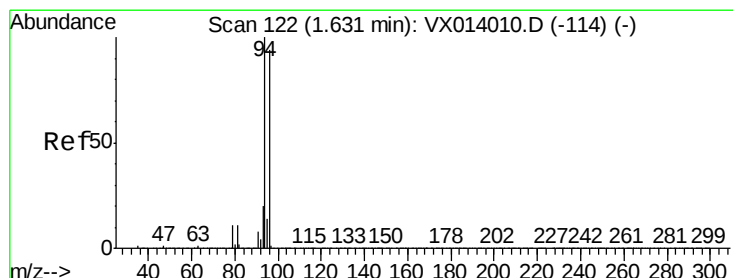
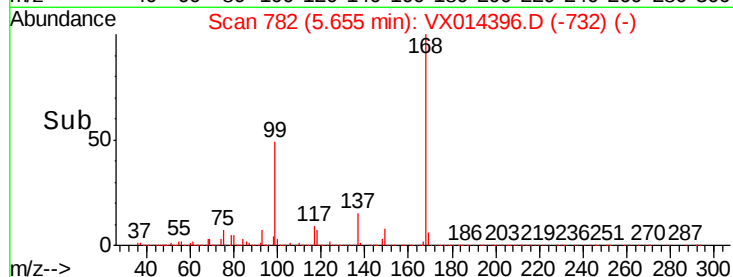
100000

50000

0

Time-->

5.50 5.60 5.70 5.80



#5

Bromomethane

Concen: 0.429 ug/l

RT: 1.65 min Scan# 125

Delta R.T. 0.02 min

Lab File: VX014396.D

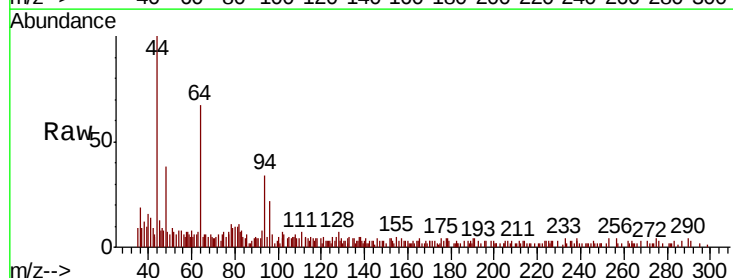
Acq: 03 Jan 2020 13:30

Tgt Ion: 94 Resp: 2185

Ion Ratio Lower Upper

94 100

96 54.9 75.2 112.8#



Abundance Ion 93.90 (93.60 to 94.60): VX0

Ion 95.90 (95.60 to 96.60): VX0

1.65

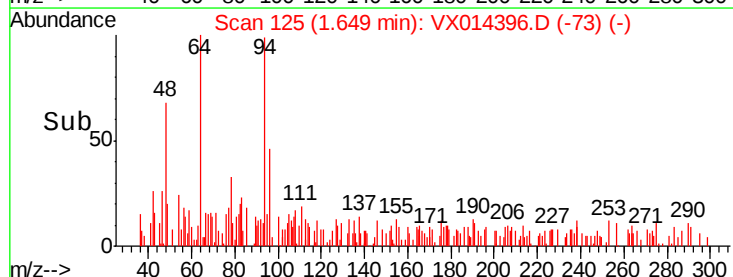
1000

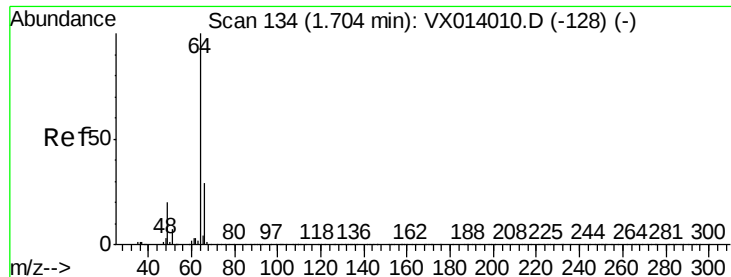
500

0

Time-->

1.60 1.65 1.70





#6

Chloroethane

Concen: 0.227 ug/l

RT: 1.71 min Scan# 135

Delta R.T. 0.01 min

Lab File: VX014396.D

Acq: 03 Jan 2020 13:30

Instrument :

MSVOA_X

ClientSampleId :

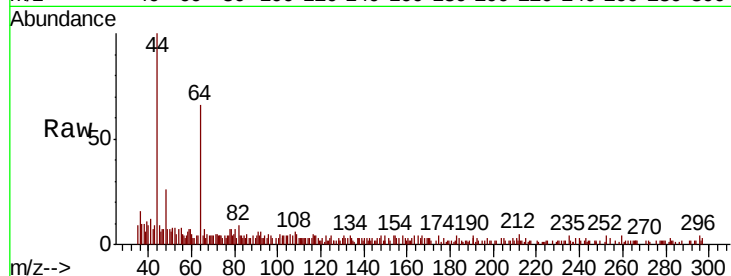
TB

Tot Ion: 64 Resp: 1003

Ion Ratio Lower Upper

64 100

66 17.4 23.4 35.2#

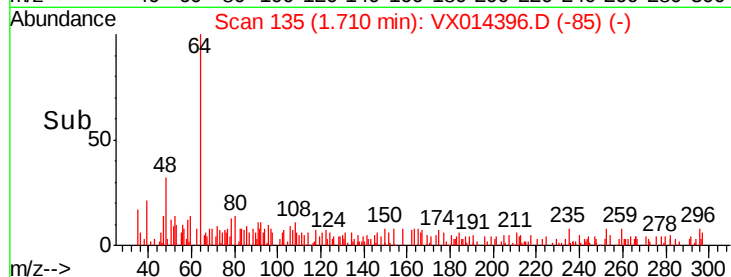


Abundance Ion 63.90 (63.60 to 64.60): VX0

Ion 65.90 (65.60 to 66.60): VX0

1.71

Time-->



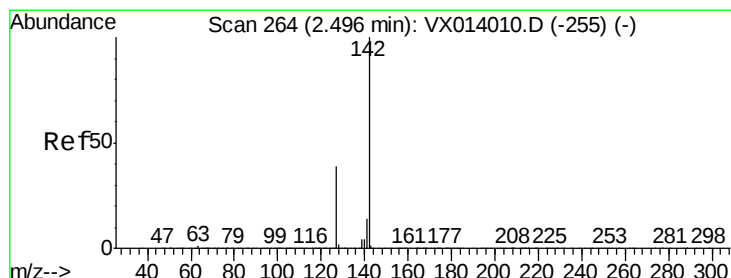
Abundance

Ion 63.90 (63.60 to 64.60): VX0

Ion 65.90 (65.60 to 66.60): VX0

1.71

Time-->



#10

Methyl Iodide

Concen: 3.036 ug/l

RT: 2.51 min Scan# 266

Delta R.T. 0.01 min

Lab File: VX014396.D

Acq: 03 Jan 2020 13:30

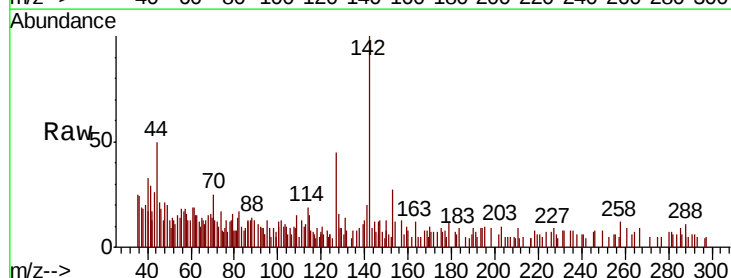
Tgt Ion: 142 Resp: 3094

Ion Ratio Lower Upper

142 100

127 42.0 31.6 47.4

141 31.2 11.6 17.4#



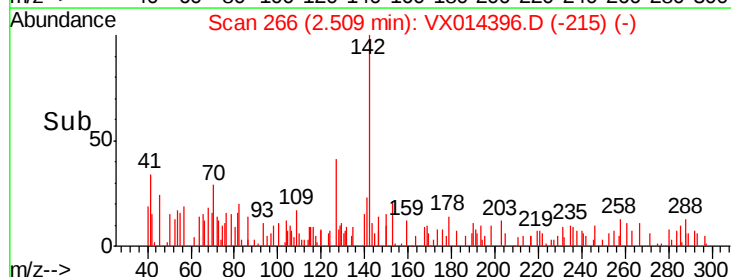
Abundance Ion 141.80 (141.50 to 142.50): V

Ion 126.80 (126.50 to 127.50): V

Ion 140.80 (140.50 to 141.50): V

2.51

Time-->



Abundance

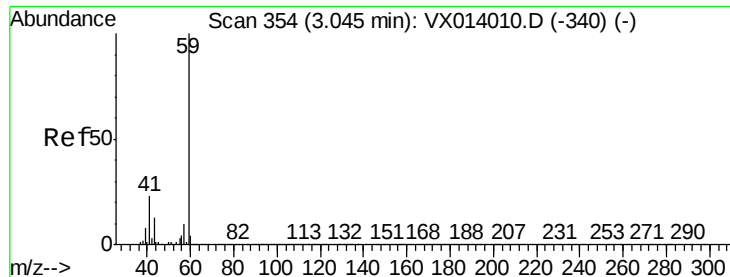
Ion 141.80 (141.50 to 142.50): V

Ion 126.80 (126.50 to 127.50): V

Ion 140.80 (140.50 to 141.50): V

2.51

Time-->

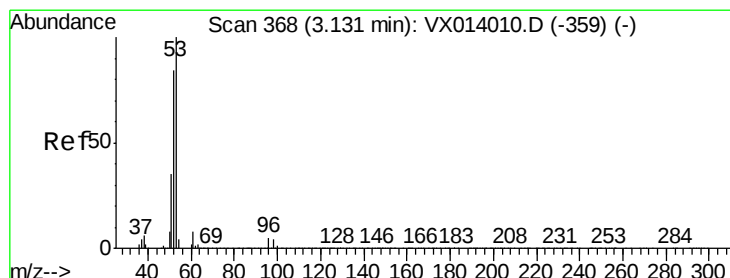
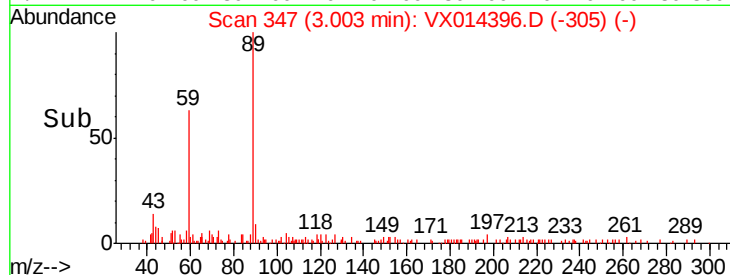
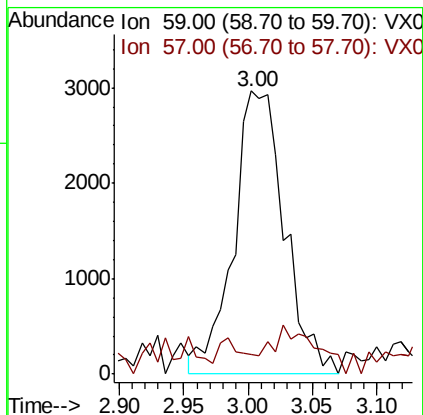
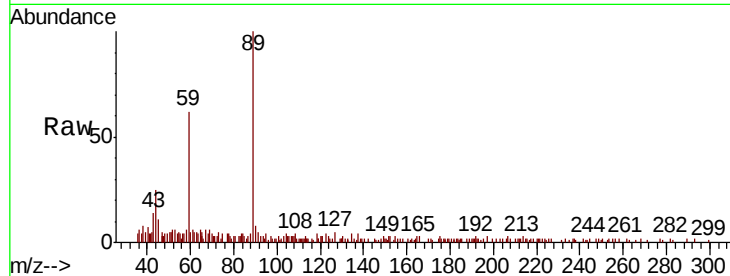


#11

Tert butyl alcohol
 Concen: 5.873 ug/l
 RT: 3.00 min Scan# 347
 Delta R.T. -0.04 min
 Lab File: VX014396.D
 Acq: 03 Jan 2020 13:30

Instrument :
 MSVOA_X
 ClientSampled :
 TB

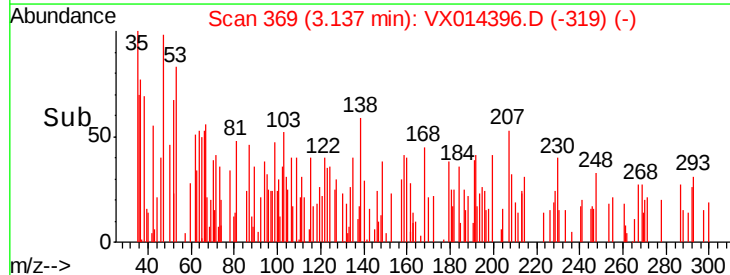
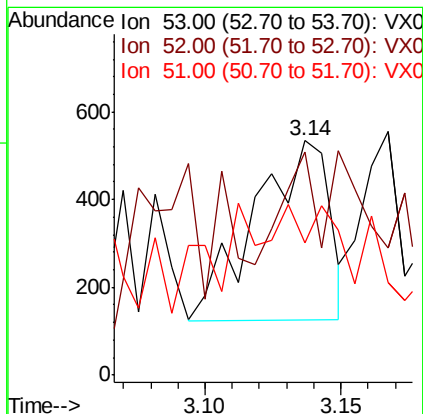
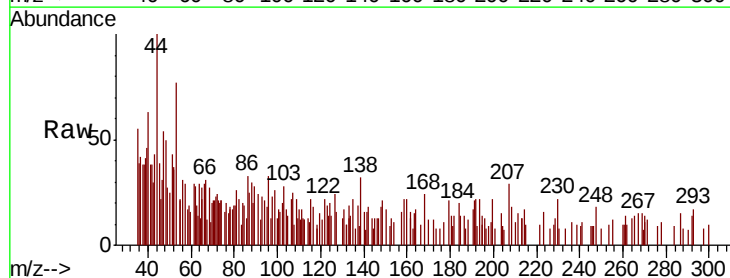
Tot Ion: 59 Resp: 8140
 Ion Ratio Lower Upper
 59 100
 57 5.2 8.4 12.6#

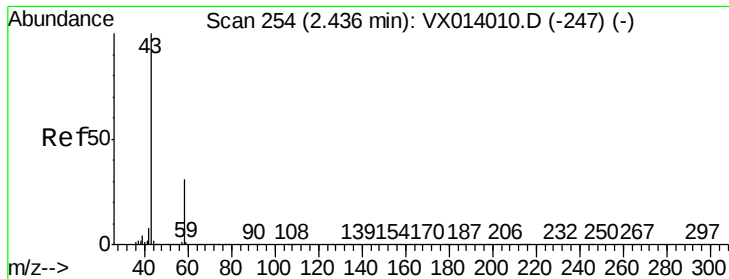


#15

Acrylonitrile
 Concen: 0.239 ug/l
 RT: 3.14 min Scan# 369
 Delta R.T. 0.01 min
 Lab File: VX014396.D
 Acq: 03 Jan 2020 13:30

Tgt Ion: 53 Resp: 774
 Ion Ratio Lower Upper
 53 100
 52 25.7 66.5 99.7#
 51 0.0 28.1 42.1#

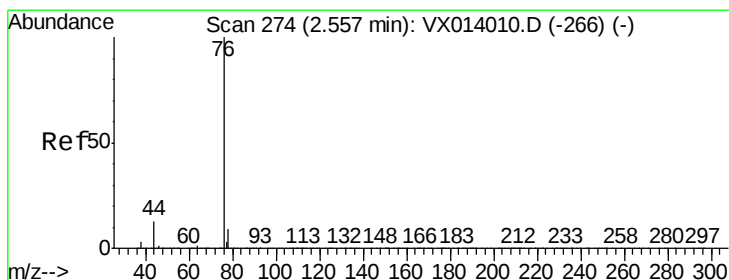
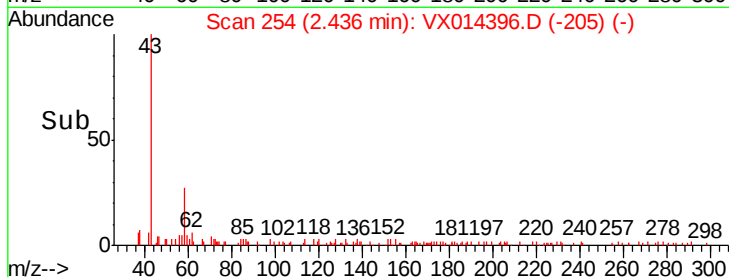
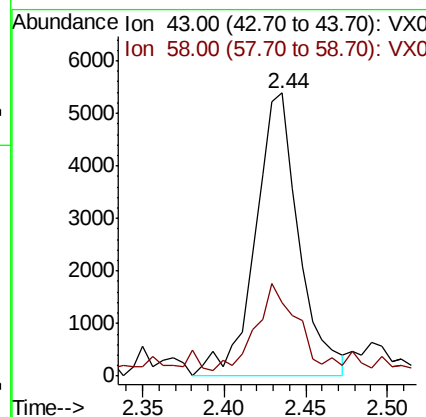
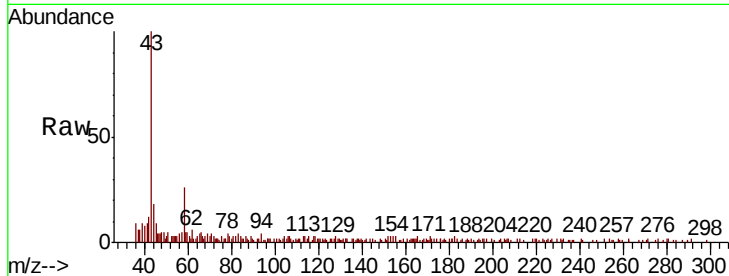




#16
Acetone
Concen: 2.403 ug/l
RT: 2.44 min Scan# 254
Delta R.T. 0.00 min
Lab File: VX014396.D
Acq: 03 Jan 2020 13:30

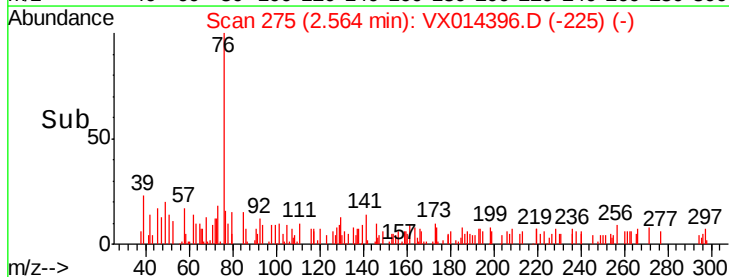
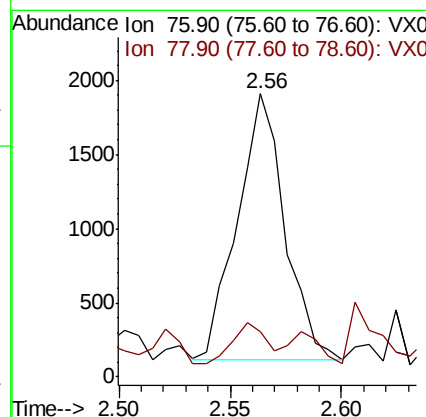
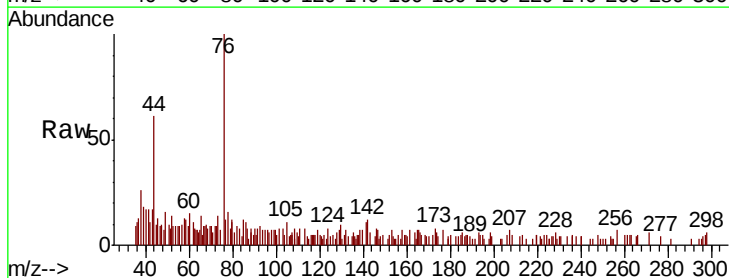
Instrument :
MSVOA_X
ClientSampleId :
TB

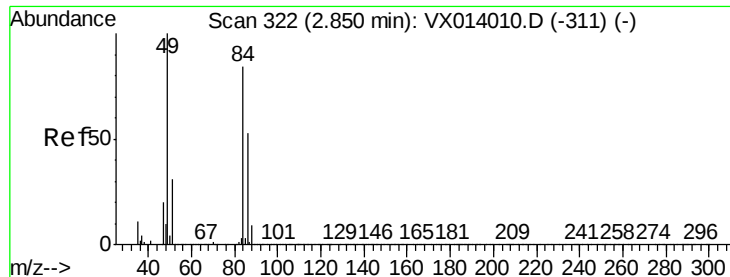
Tot Ion: 43 Resp: 10006
Ion Ratio Lower Upper
43 100
58 22.1 24.9 37.3#



#17
Carbon Disulfide
Concen: 0.924 ug/l
RT: 2.56 min Scan# 275
Delta R.T. 0.01 min
Lab File: VX014396.D
Acq: 03 Jan 2020 13:30

Tgt Ion: 76 Resp: 2664
Ion Ratio Lower Upper
76 100
78 12.2 7.2 10.8#

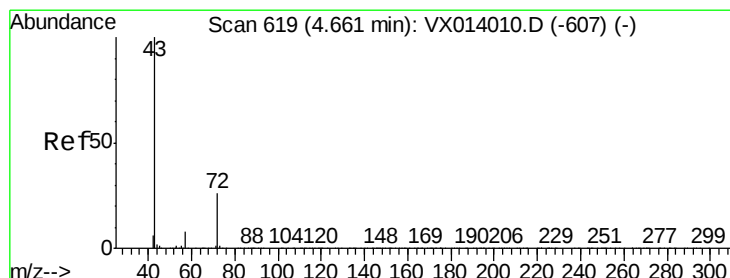
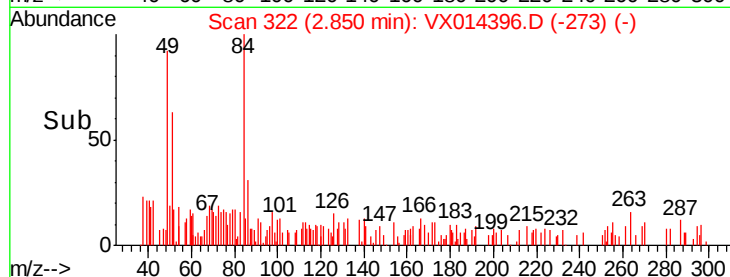
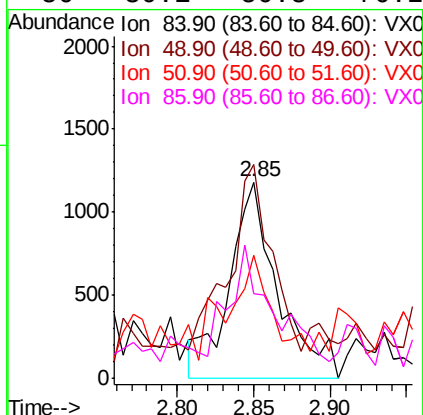
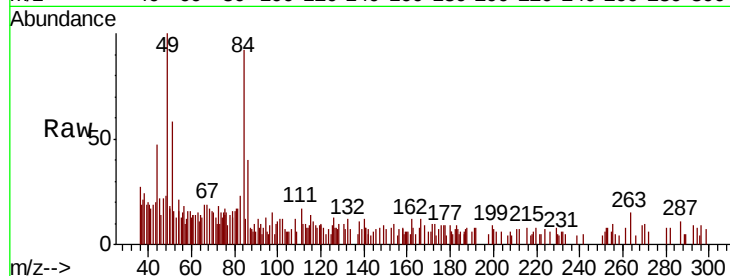




#20
Methvlene Chloride
Concen: 0.395 ug/l
RT: 2.85 min Scan# 322
Delta R.T. 0.00 min
Lab File: VX014396.D
Acq: 03 Jan 2020 13:30

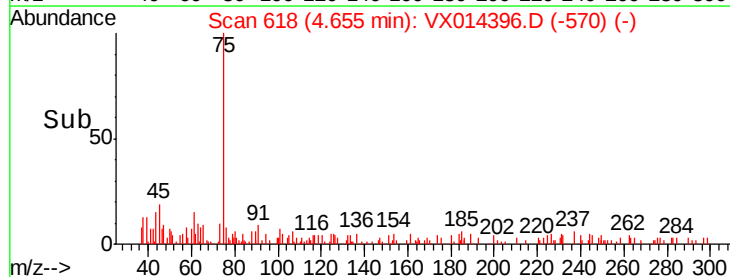
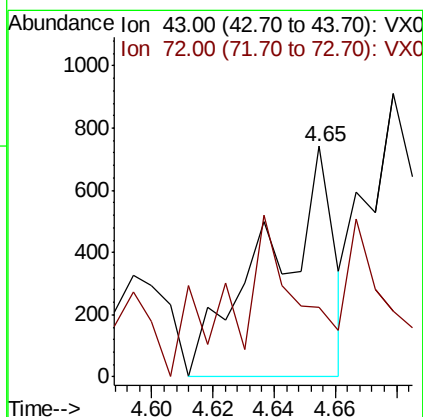
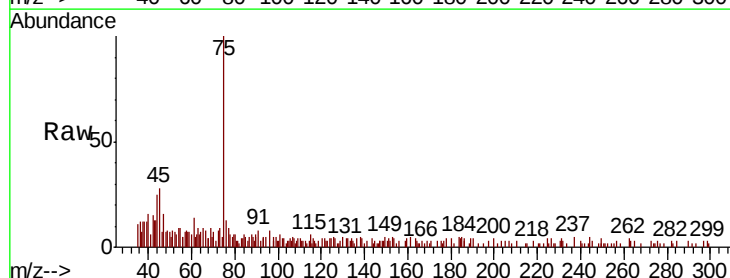
Instrument :
MSVOA_X
ClientSampleId :
TB

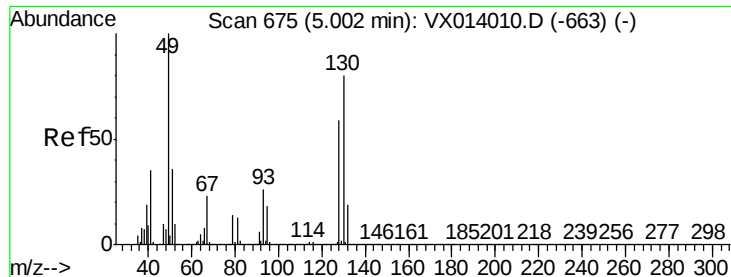
Tot Ion:	84	Resp:	2591
Ion	Ratio	Lower	Upper
84	100		
49	94.7	95.8	143.6#
51	35.4	29.8	44.8
86	30.1	50.8	76.2#



#25
2-Butanone
Concen: 0.211 ug/l
RT: 4.65 min Scan# 618
Delta R.T. -0.01 min
Lab File: VX014396.D
Acq: 03 Jan 2020 13:30

Tgt Ion:	43	Resp:	1082
Ion	Ratio	Lower	Upper
43	100		
72	10.1	21.0	31.4#





#28

Bromochloromethane

Concen: 0.571 ug/l

RT: 5.02 min Scan# 678

Delta R.T. 0.02 min

Lab File: VX014396.D

Acq: 03 Jan 2020 13:30

Instrument :

MSVOA_X

ClientSampled :

TB

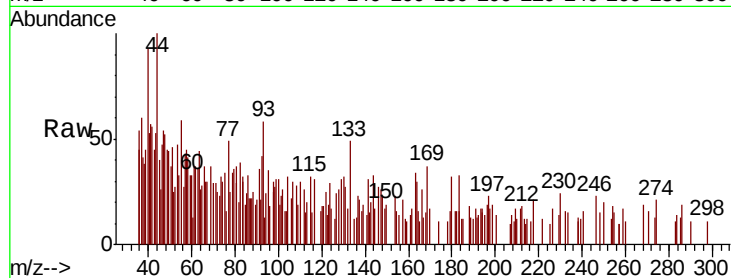
Tot Ion: 49 Resp: 489

Ion Ratio Lower Upper

49 100

129 0.0 0.0 5.0

130 58.3 64.6 97.0#



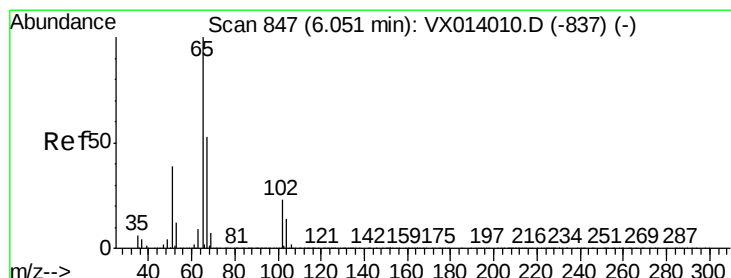
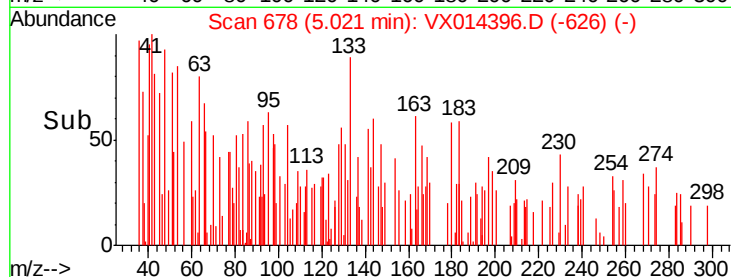
Abundance Ion 48.90 (48.60 to 49.60): VX0

Ion 128.80 (128.50 to 129.50): V

Ion 129.80 (129.50 to 130.50): V

Time-->

4.98 5.00 5.02



#33

1,2-Dichloroethane-d4

Concen: 48.398 ug/l

RT: 6.05 min Scan# 847

Delta R.T. 0.00 min

Lab File: VX014396.D

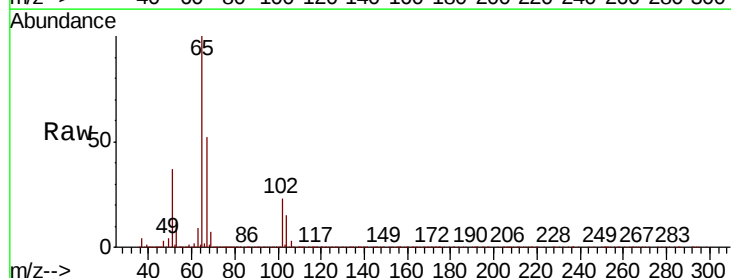
Acq: 03 Jan 2020 13:30

Tgt Ion: 65 Resp: 310433

Ion Ratio Lower Upper

65 100

67 52.7 0.0 106.4

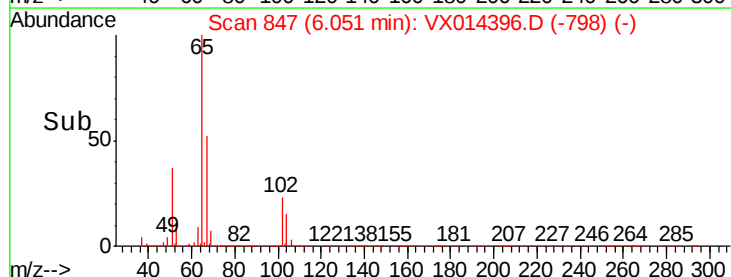


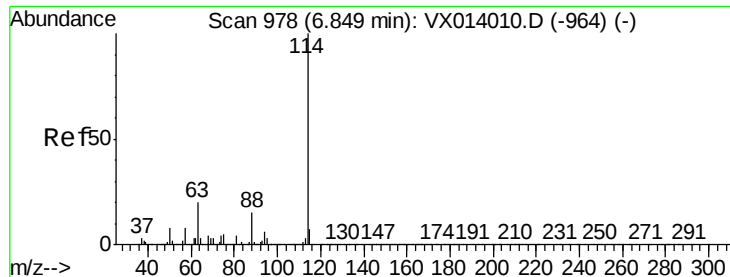
Abundance Ion 64.90 (64.60 to 65.60): VX0

Ion 66.90 (66.60 to 67.60): VX0

Time-->

5.90 6.00 6.10 6.20





#34

1,4-Difluorobenzene

Concen: 50.000 ug/l

RT: 6.85 min Scan# 978

Delta R.T. 0.00 min

Lab File: VX014396.D

Acq: 03 Jan 2020 13:30

Instrument :

MSVOA_X

ClientSampleId :

TB

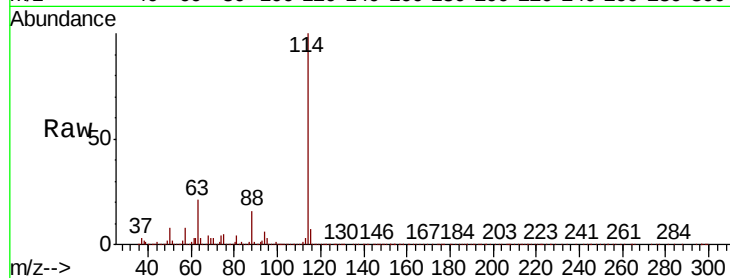
Tot Ion:114 Resp: 862980

Ion Ratio Lower Upper

114 100

63 20.6 0.0 40.8

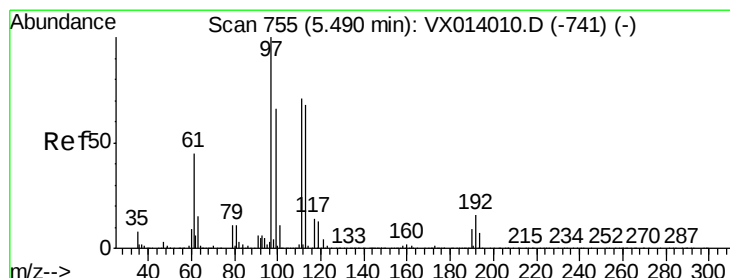
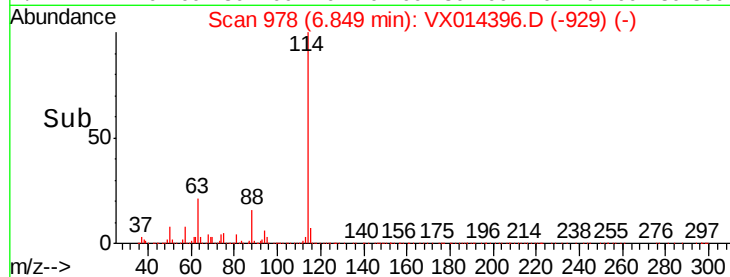
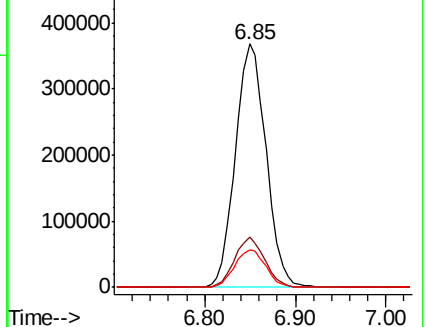
88 15.6 0.0 30.4



Abundance Ion 113.90 (113.60 to 114.60): V

Ion 63.00 (62.70 to 63.70): VX0

Ion 87.90 (87.60 to 88.60): VX0



#35

Dibromofluoromethane

Concen: 48.834 ug/l

RT: 5.48 min Scan# 754

Delta R.T. -0.01 min

Lab File: VX014396.D

Acq: 03 Jan 2020 13:30

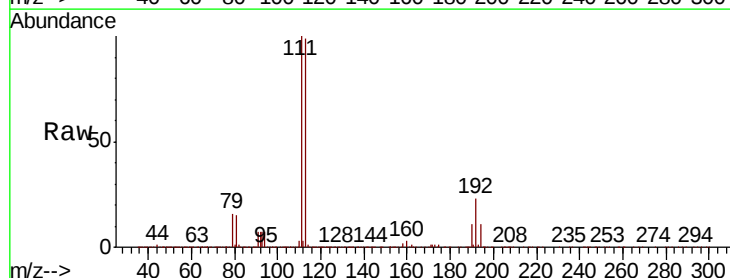
Tgt Ion:113 Resp: 256180

Ion Ratio Lower Upper

113 100

111 103.1 82.0 123.0

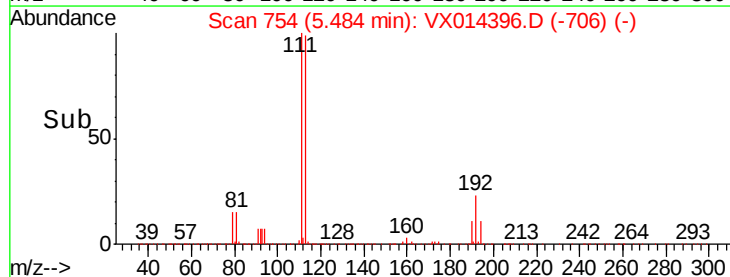
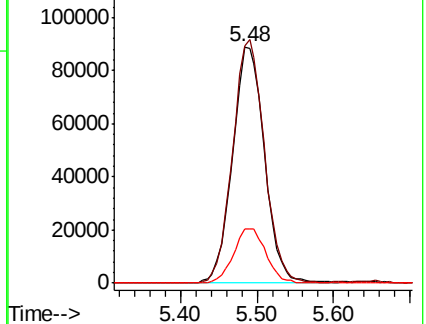
192 23.6 19.3 28.9

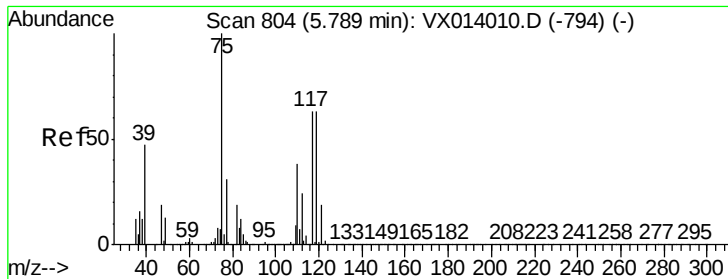


Abundance Ion 112.80 (112.50 to 113.50): V

Ion 110.80 (110.50 to 111.50): V

Ion 191.70 (191.40 to 192.40): V

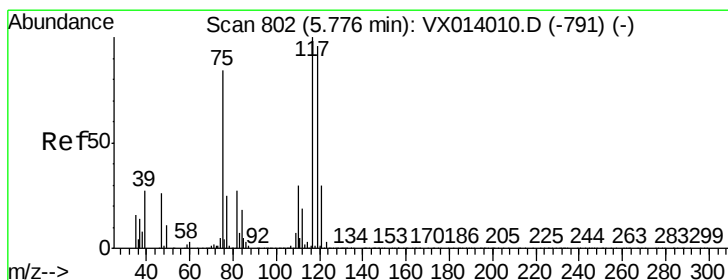
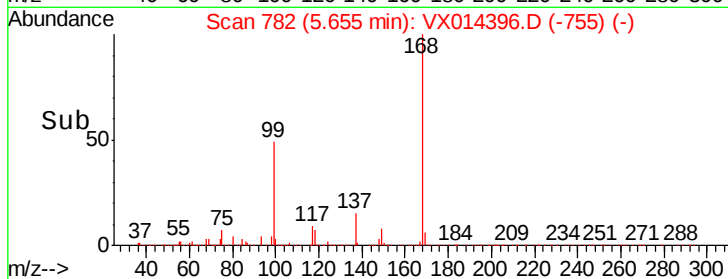
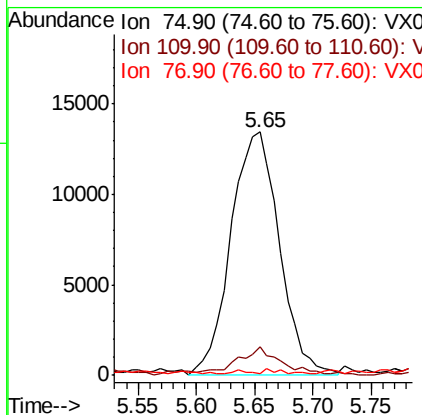
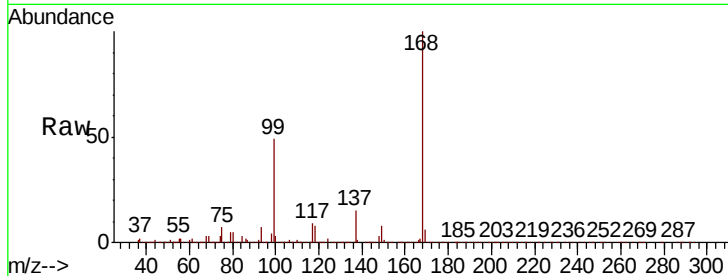




#36
 1,1-Dichloropropene
 Concen: 4.935 ug/l
 RT: 5.65 min Scan# 782
 Delta R.T. -0.13 min
 Lab File: VX014396.D
 Acq: 03 Jan 2020 13:30

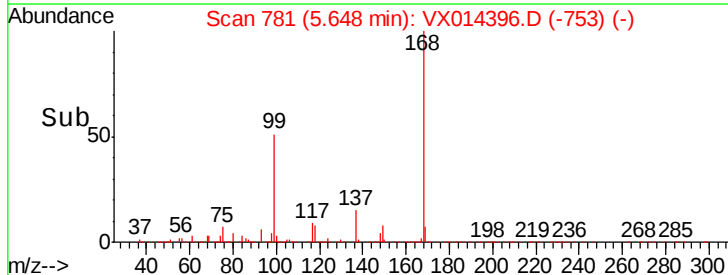
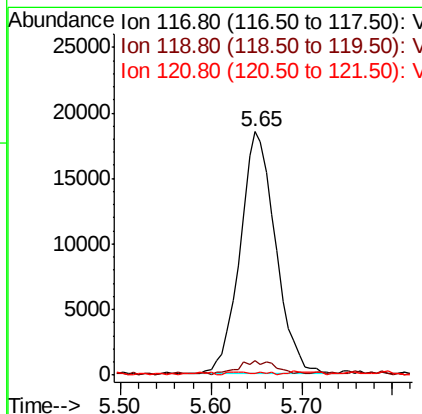
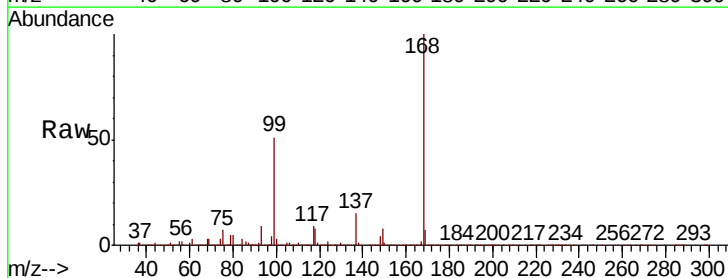
Instrument :
 MSVOA_X
 ClientSampleId :
 TB

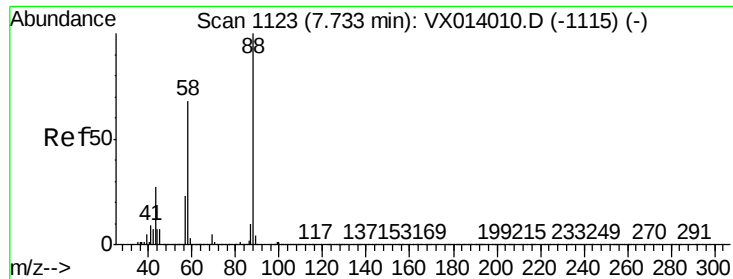
Tot Ion	Ratio	Lower	Upper
75	100		
110	9.6	18.3	54.9#
77	0.8	24.8	37.2#



#38
 Carbon Tetrachloride
 Concen: 6.939 ug/l
 RT: 5.65 min Scan# 781
 Delta R.T. -0.13 min
 Lab File: VX014396.D
 Acq: 03 Jan 2020 13:30

Tgt Ion	Ratio	Lower	Upper
117	100		
119	5.2	76.2	114.4#
121	0.2	23.6	35.4#

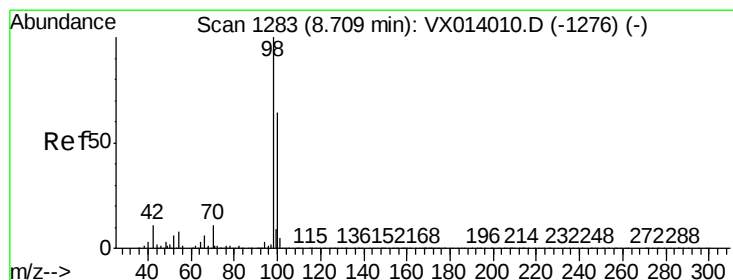
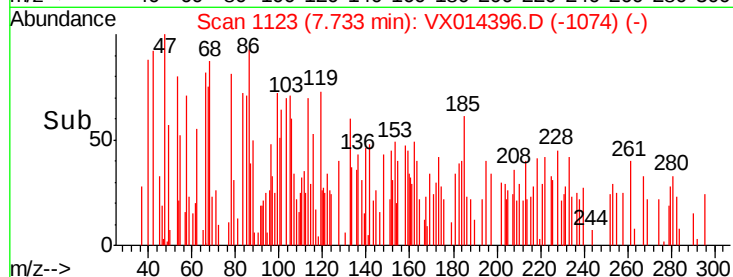
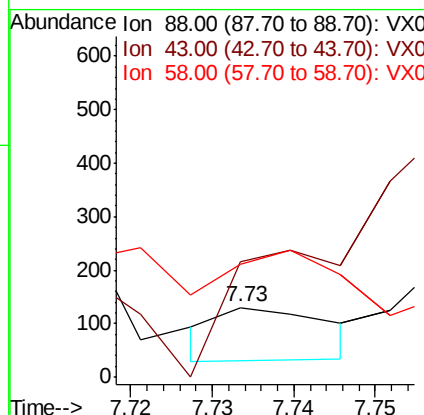
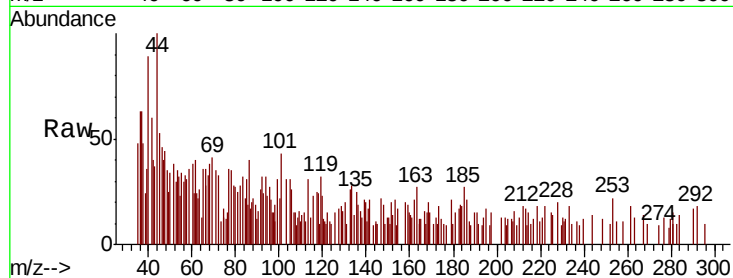




#49
1,4-Dioxane
Concen: 0.645 ug/l
RT: 7.73 min Scan# 1123
Delta R.T. 0.00 min
Lab File: VX014396.D
Acq: 03 Jan 2020 13:30

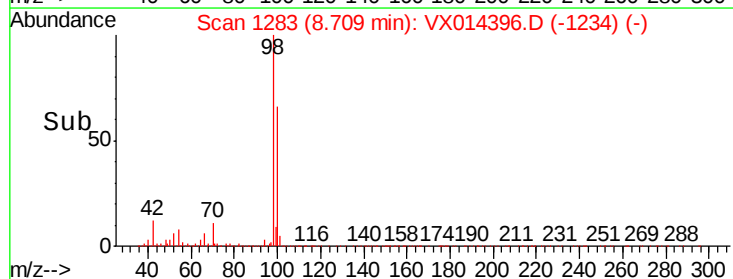
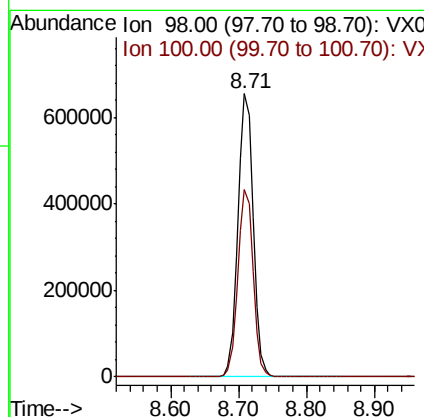
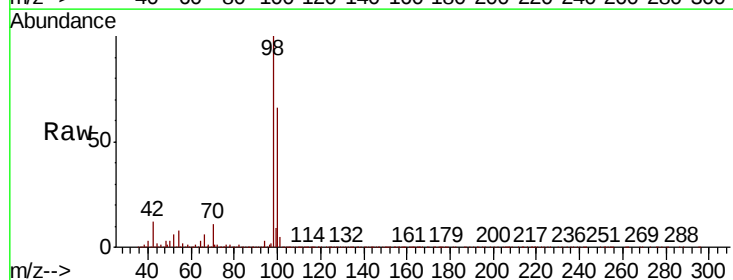
Instrument :
MSVOA_X
ClientSampled :
TB

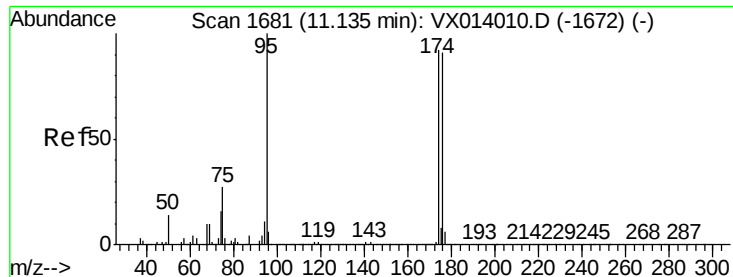
Tot Ion: 88 Resp: 93
Ion Ratio Lower Upper
88 100
43 0.0 26.5 39.7#
58 0.0 56.8 85.2#



#50
Toluene-d8
Concen: 50.090 ug/l
RT: 8.71 min Scan# 1283
Delta R.T. 0.00 min
Lab File: VX014396.D
Acq: 03 Jan 2020 13:30

Tgt Ion: 98 Resp: 1023033
Ion Ratio Lower Upper
98 100
100 66.0 52.9 79.3

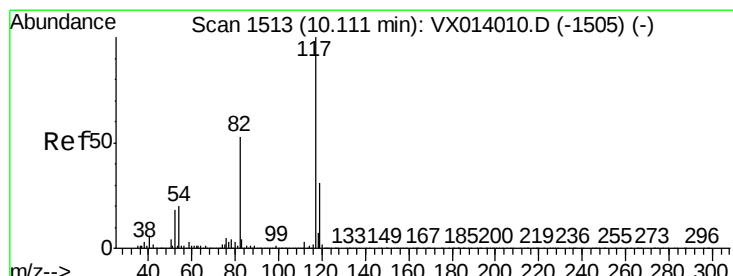
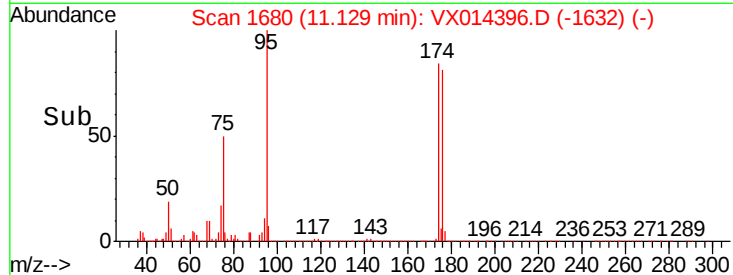
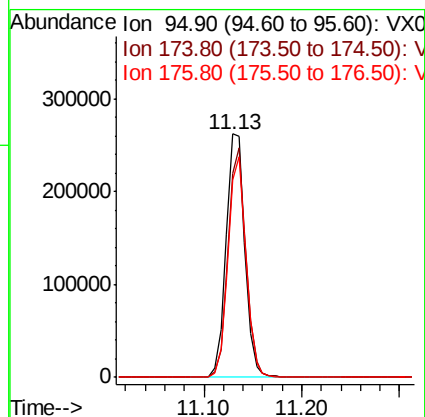
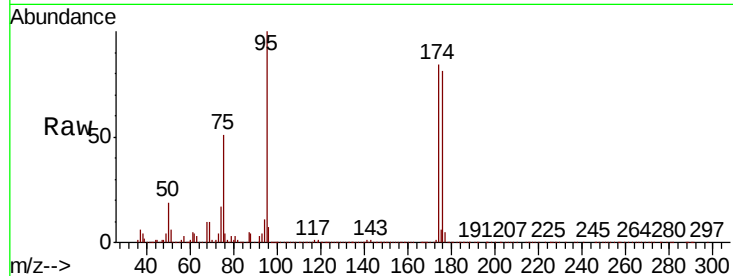




#62
4-Bromofluorobenzene
Concen: 46.686 ug/l
RT: 11.13 min Scan# 1680
Delta R.T. -0.01 min
Lab File: VX014396.D
Acq: 03 Jan 2020 13:30

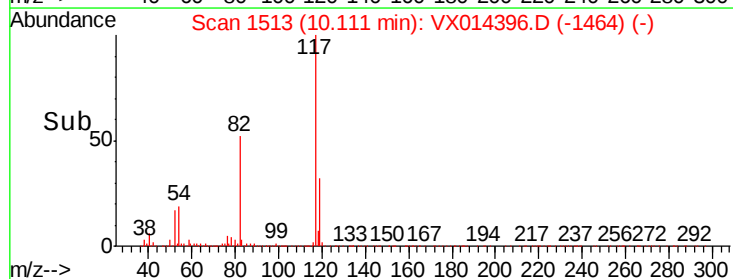
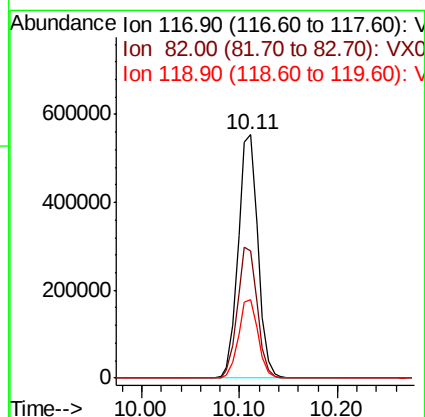
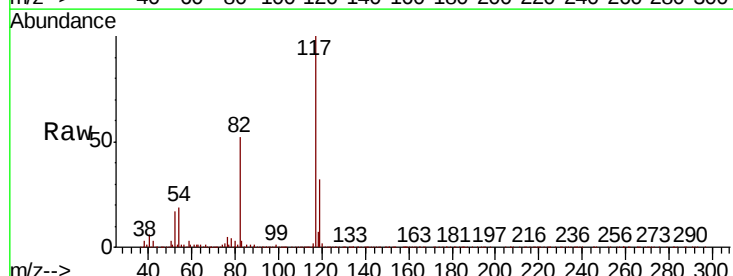
Instrument :
MSVOA_X
ClientSampleId :
TB

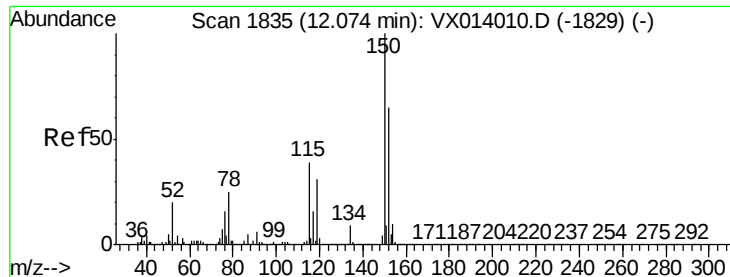
Tot Ion: 95 Resp: 348553
Ion Ratio Lower Upper
95 100
174 90.3 0.0 175.8
176 87.2 0.0 173.0



#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 10.11 min Scan# 1513
Delta R.T. 0.00 min
Lab File: VX014396.D
Acq: 03 Jan 2020 13:30

Tgt Ion: 117 Resp: 774407
Ion Ratio Lower Upper
117 100
82 52.3 42.2 63.4
119 32.4 25.1 37.7



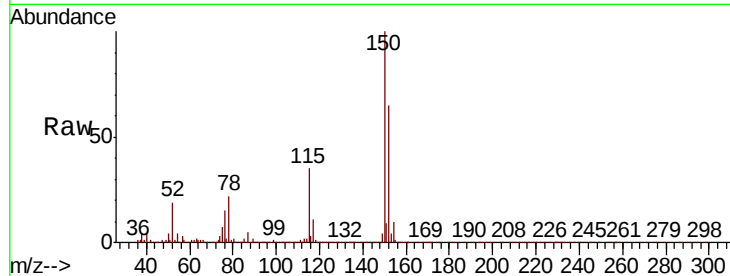


#72

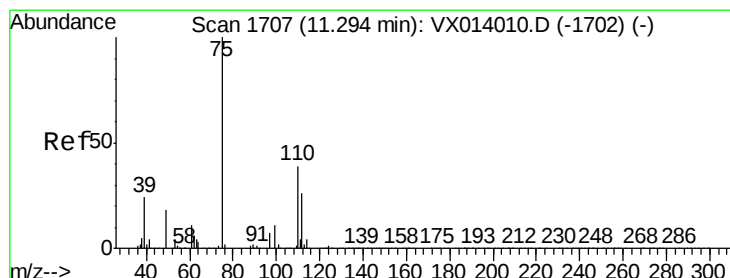
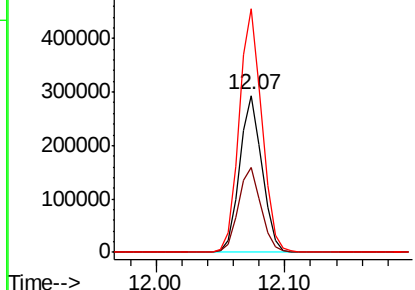
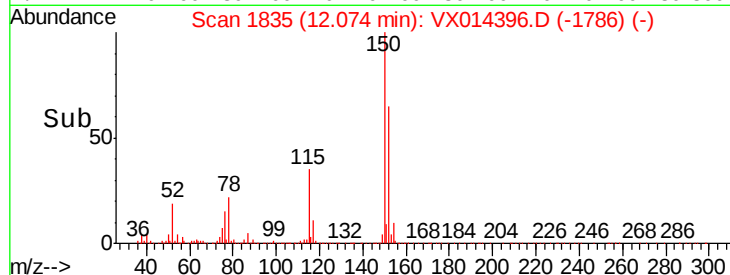
1,4-Dichlorobenzene-d4
Concen: 50.000 ug/l
RT: 12.07 min Scan# 1835
Delta R.T. 0.00 min
Lab File: VX014396.D
Acq: 03 Jan 2020 13:30

Instrument :
MSVOA_X
ClientSampled :
TB

Tot Ion	Ratio	Lower	Upper
152	100		
115	55.3	38.3	114.9
150	156.9	0.0	345.4



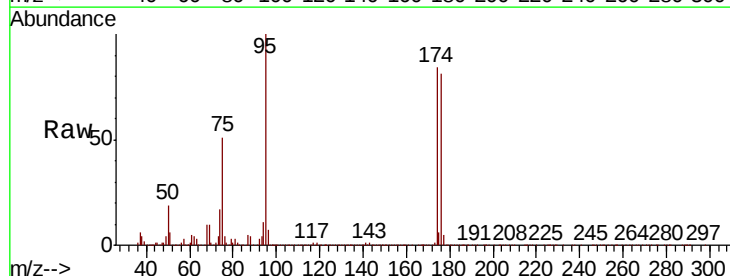
Abundance Ion 151.90 (151.60 to 152.60): V
Ion 114.90 (114.60 to 115.60): V
Ion 149.90 (149.60 to 150.60): V



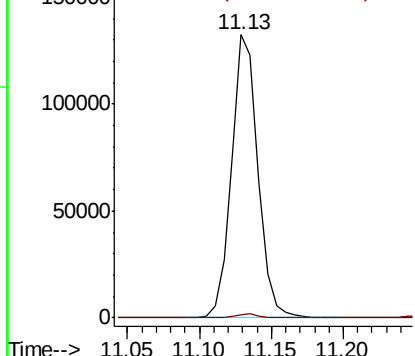
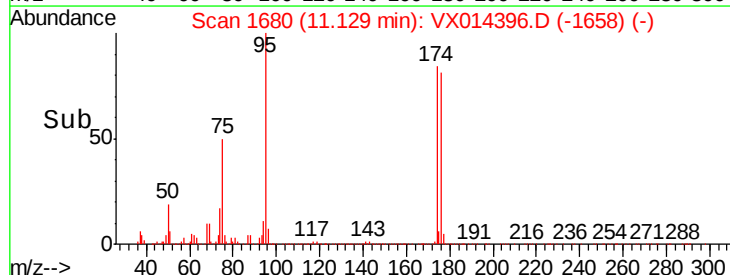
#76

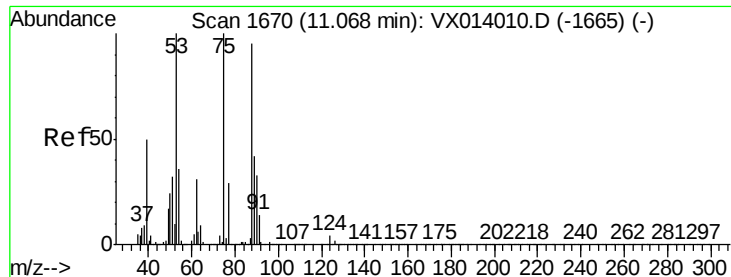
1,2,3-Trichloropropane
Concen: 22.155 ug/l
RT: 11.13 min Scan# 1680
Delta R.T. -0.16 min
Lab File: VX014396.D
Acq: 03 Jan 2020 13:30

Tgt Ion	Ratio	Lower	Upper
75	100		
77	1.4	19.3	57.8#



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: 62.534 ug/l

RT: 11.13 min Scan# 1680

Delta R.T. 0.06 min

Lab File: VX014396.D

Acq: 03 Jan 2020 13:30

Instrument :

MSVOA_X

ClientSampleId :

TB

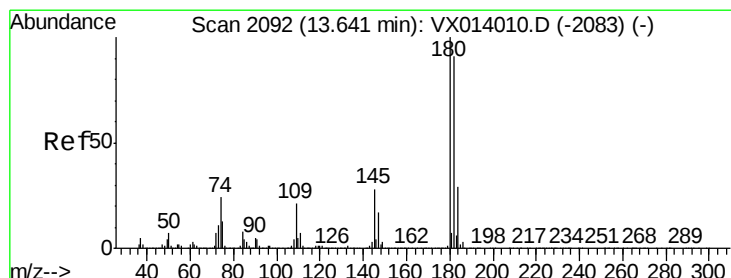
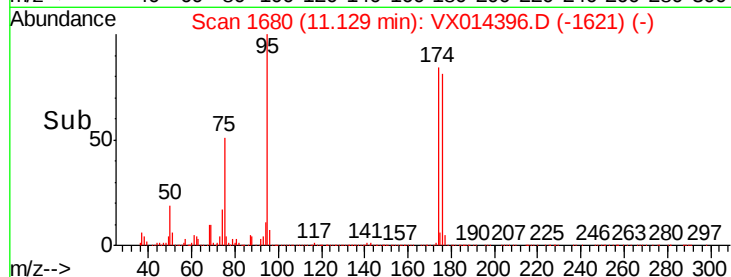
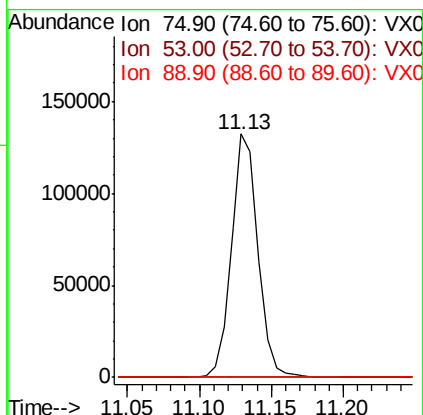
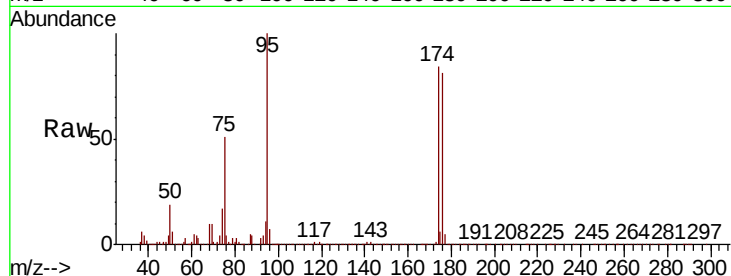
Tot Ion: 75 Resp: 169579

Ion Ratio Lower Upper

75 100

53 0.1 76.7 115.1#

89 0.0 34.6 51.8#



#93

1,2,4-Trichlorobenzene

Concen: 0.234 ug/l

RT: 13.64 min Scan# 2092

Delta R.T. 0.00 min

Lab File: VX014396.D

Acq: 03 Jan 2020 13:30

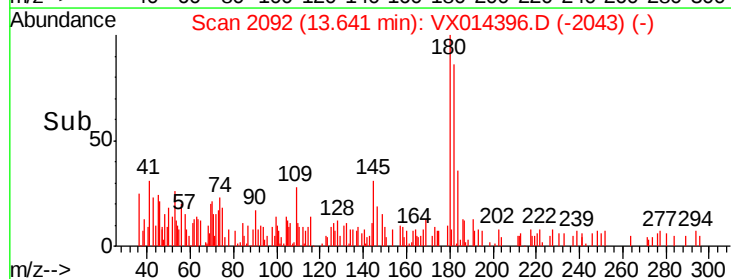
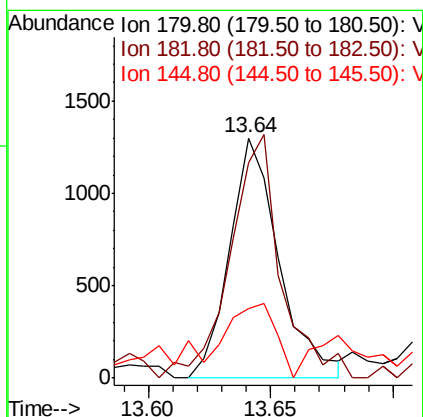
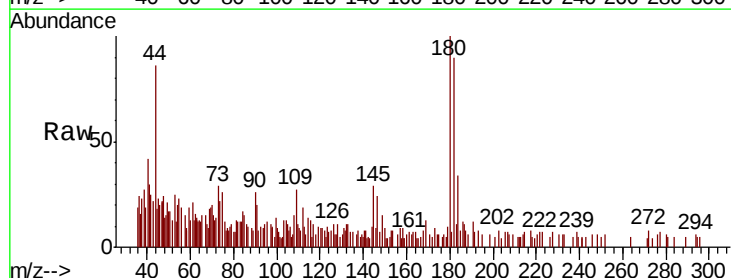
Tgt Ion:180 Resp: 1831

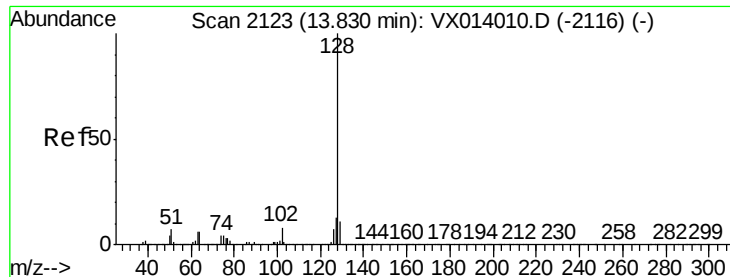
Ion Ratio Lower Upper

180 100

182 103.2 46.6 139.8

145 30.4 14.2 42.6

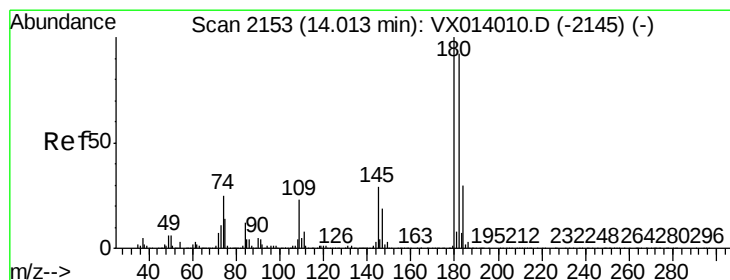
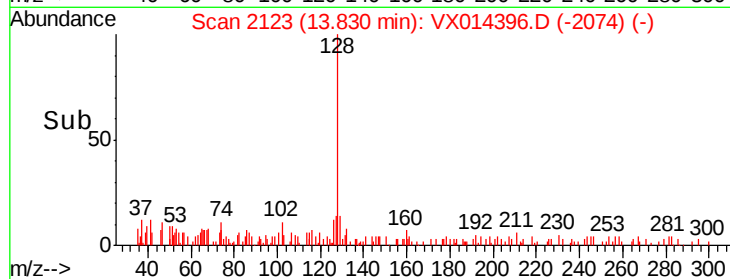
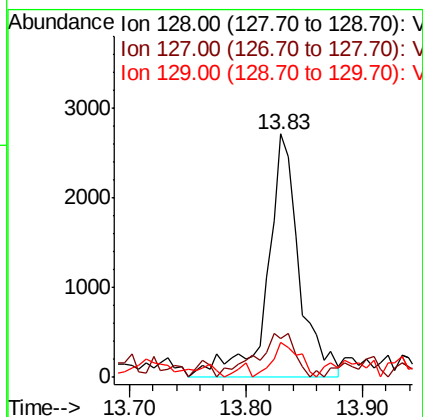
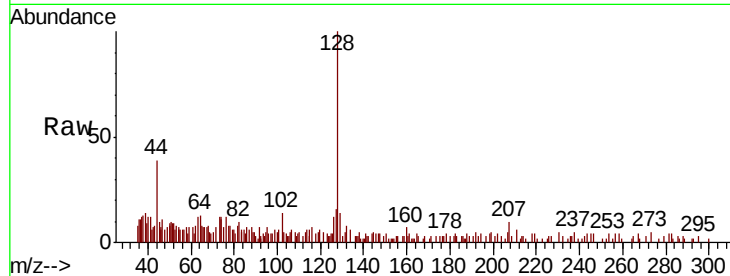




#95
Naphthalene
Concen: 0.222 ug/l
RT: 13.83 min Scan# 2123
Delta R.T. 0.00 min
Lab File: VX014396.D
Acq: 03 Jan 2020 13:30

Instrument :
MSVOA_X
ClientSampleId :
TB

Tot Ion	Ratio	Lower	Upper
128	100		
127	21.6	10.2	15.4#
129	12.0	8.7	13.1



#96
1,2,3-Trichlorobenzene
Concen: 0.276 ug/l
RT: 14.02 min Scan# 2154
Delta R.T. 0.01 min
Lab File: VX014396.D
Acq: 03 Jan 2020 13:30

Tgt Ion	Ratio	Lower	Upper
180	100		
182	75.1	46.8	140.3
145	62.0	14.8	44.4#

