

Data Path : Z:\VOASRV\HPCHEM1\MSVOA X\DATA\VX010620\
 Data File : VX014424.D
 Acq On : 06 Jan 2020 13:56
 Operator : JC/SP
 Sample : K6484-05 50X
 Misc : 5.0mL/MSVOA X/WATER
 ALS Vial : 9 Sample Multiplier: 1

Instrument :
 MSVOA_X
 ClientSampleId :

Quant Time: Jan 06 15:59:38 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

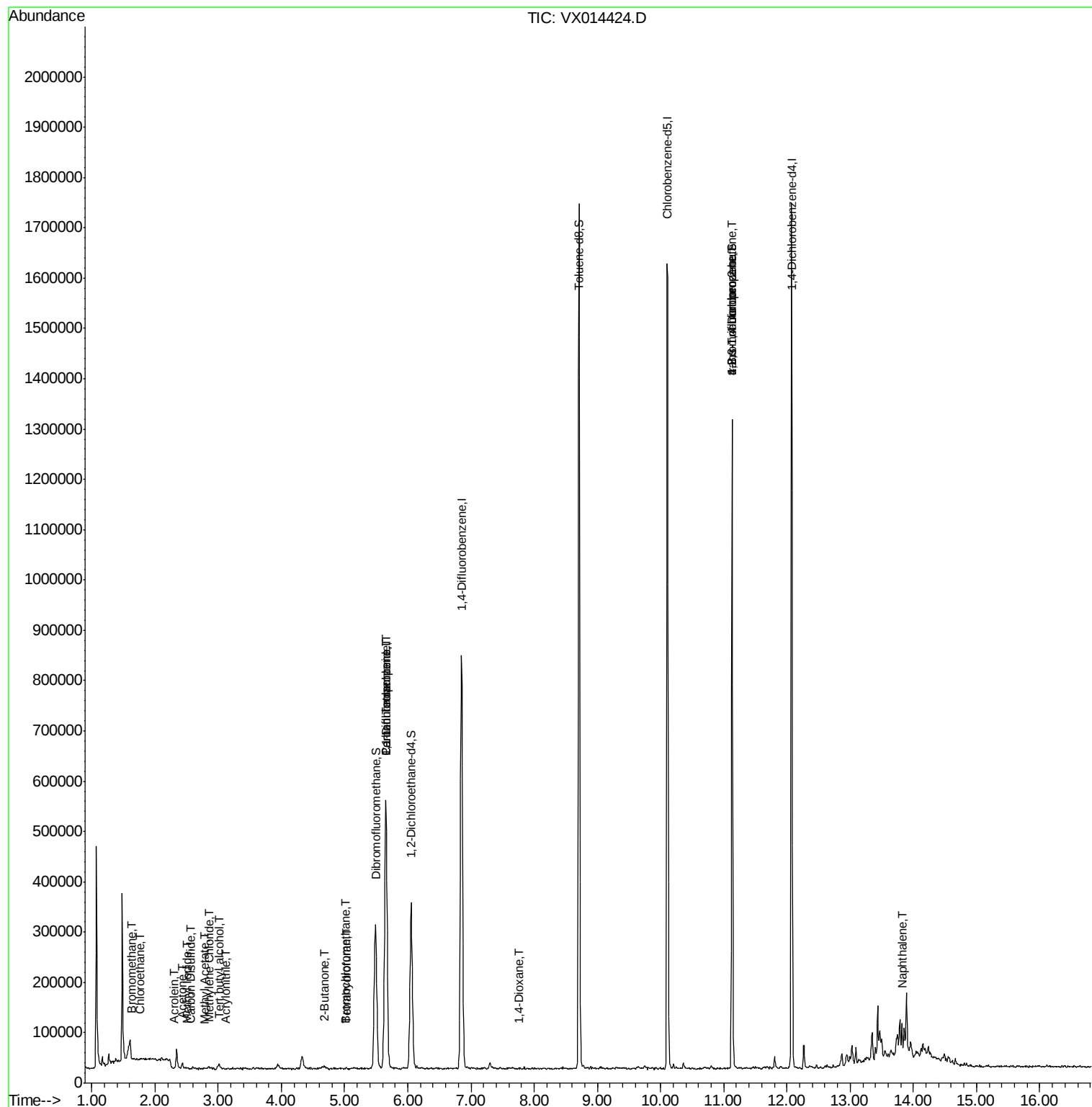
Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Pentafluorobenzene	5.65	168	563521	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	6.85	114	844514	50.00	ug/l	0.00
63) Chlorobenzene-d5	10.11	117	762695	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	12.07	152	359007	50.00	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	6.05	65	302259	47.33	ug/l	0.00
Spiked Amount	50.000		Recovery	=	94.66%	
35) Dibromofluoromethane	5.49	113	250172	48.73	ug/l	0.00
Spiked Amount	50.000		Recovery	=	97.46%	
50) Toluene-d8	8.71	98	994808	49.77	ug/l	0.00
Spiked Amount	50.000		Recovery	=	99.54%	
62) 4-Bromofluorobenzene	11.13	95	354394	48.51	ug/l	0.00
Spiked Amount	50.000		Recovery	=	97.02%	
Target Compounds						
					Qvalue	
5) Bromomethane	1.64	94	2177	0.430	ug/l	81
6) Chloroethane	1.76	64	1152	0.261	ug/l	93
10) Methyl Iodide	2.50	142	1372	2.806	ug/l #	62
11) Tert butyl alcohol	3.01	59	8026	5.816	ug/l #	92
13) Acrolein	2.30	56	506	0.641	ug/l #	71
15) Acrylonitrile	3.12	53	684	0.212	ug/l #	5
16) Acetone	2.43	43	12267	2.959	ug/l	99
17) Carbon Disulfide	2.56	76	1842	0.871	ug/l #	84
18) Methyl Acetate	2.78	43	1672	0.204	ug/l #	51
20) Methylene Chloride	2.84	84	2016	0.309	ug/l #	67
25) 2-Butanone	4.69	43	1359	0.266	ug/l #	61
28) Bromochloromethane	5.01	49	353	0.539	ug/l #	1
29) Tetrahydrofuran	5.03	42	1024	0.358	ug/l	93
36) 1,1-Dichloropropene	5.65	75	37104	4.788	ug/l #	51
38) Carbon Tetrachloride	5.65	117	49162	6.964	ug/l #	17
49) 1,4-Dioxane	7.75	88	808	5.726	ug/l #	81
76) 1,2,3-Trichloropropane	11.13	75	170721	21.904	ug/l #	39
81) trans-1,4-Dichloro-2-buten	11.13	75	170721	61.825	ug/l #	12
95) Naphthalene	13.83	128	5220	0.223	ug/l #	80

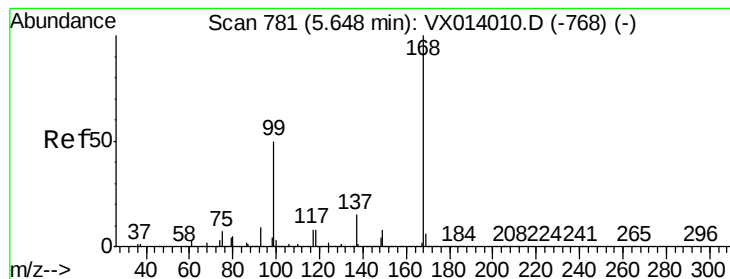
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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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: VX014424.D

Acq: 06 Jan 2020 13:56

Instrument :

MSVOA_X

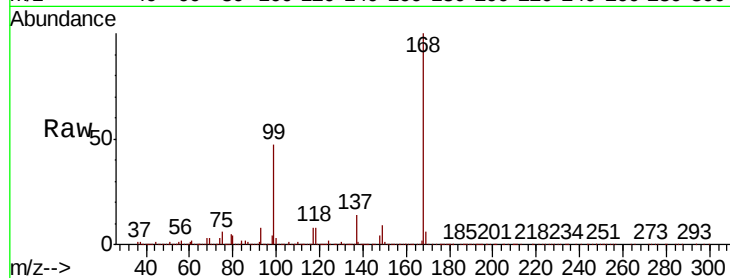
ClientSampleId :

Tot Ion:168 Resp: 563521

Ion Ratio Lower Upper

168 100

99 46.7 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

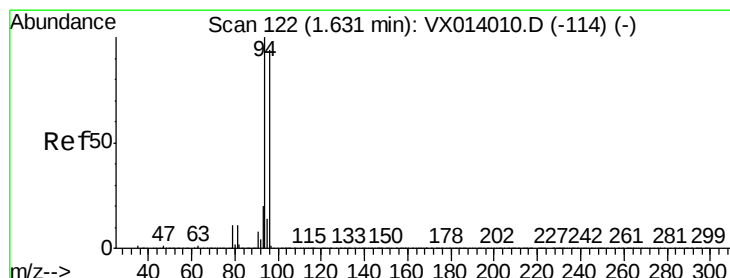
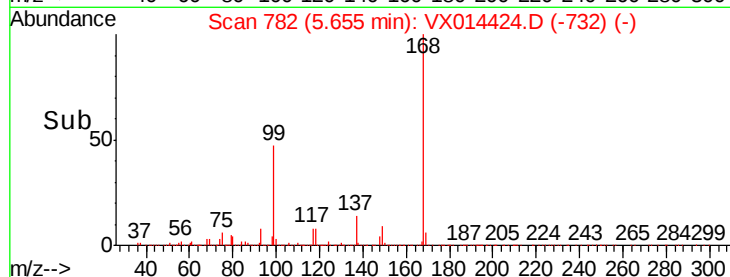
100000

50000

0

Time-->

5.50 5.60 5.70 5.80



#5

Bromomethane

Concen: 0.430 ug/l

RT: 1.64 min Scan# 123

Delta R.T. 0.01 min

Lab File: VX014424.D

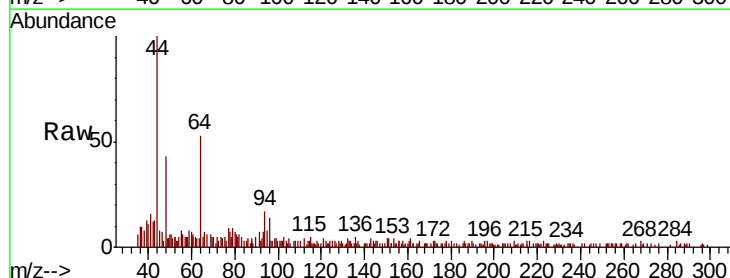
Acq: 06 Jan 2020 13:56

Tgt Ion: 94 Resp: 2177

Ion Ratio Lower Upper

94 100

96 76.1 75.2 112.8



Abundance Ion 93.90 (93.60 to 94.60): VX0

Ion 95.90 (95.60 to 96.60): VX0

1.64

800

600

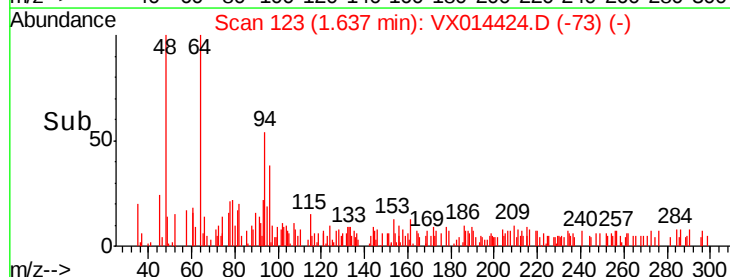
400

200

0

Time-->

1.60 1.65 1.70





#6

Chloroethane

Concen: 0.261 ug/l

RT: 1.76 min Scan# 143

Delta R.T. 0.06 min

Lab File: VX014424.D

Acq: 06 Jan 2020 13:56

Instrument :

MSVOA_X

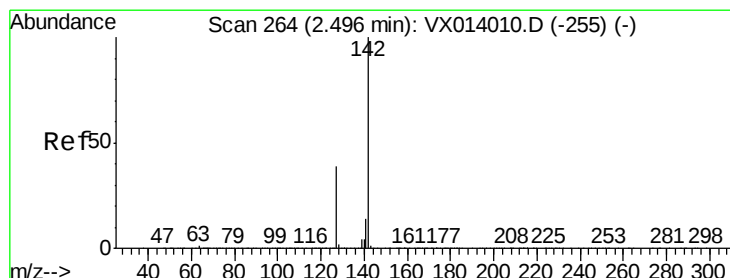
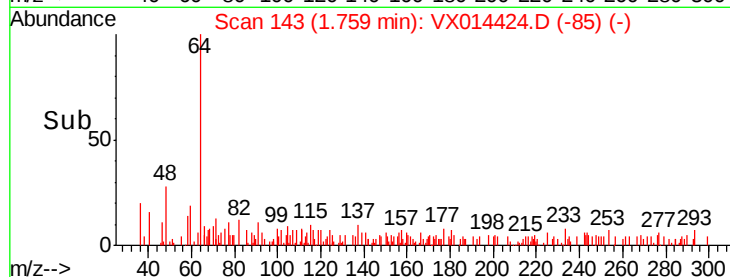
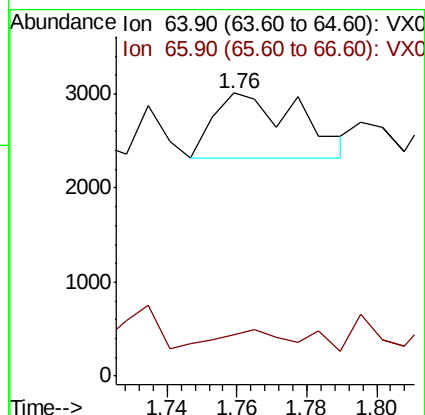
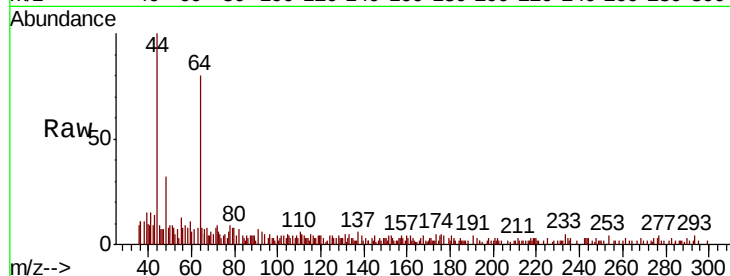
ClientSampleId :

Tot Ion: 64 Resp: 1152

Ion Ratio Lower Upper

64 100

66 25.7 23.4 35.2



#10

Methyl Iodide

Concen: 2.806 ug/l

RT: 2.50 min Scan# 265

Delta R.T. 0.01 min

Lab File: VX014424.D

Acq: 06 Jan 2020 13:56

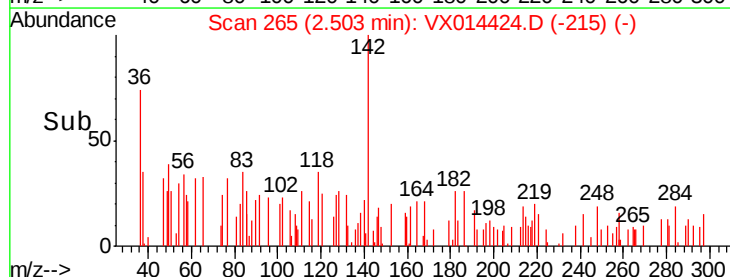
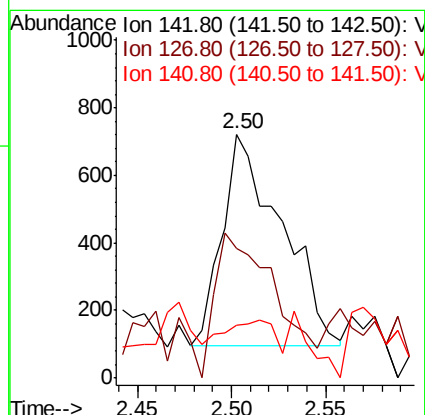
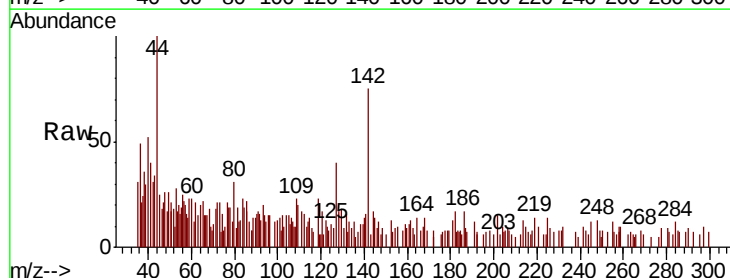
Tgt Ion: 142 Resp: 1372

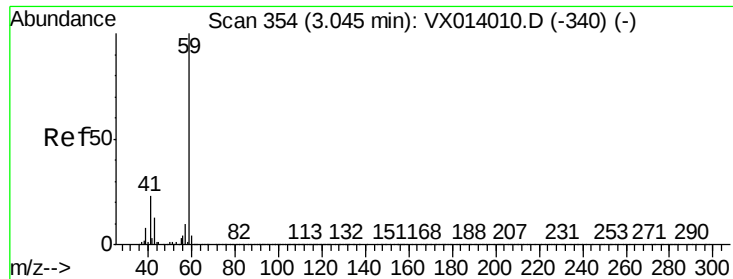
Ion Ratio Lower Upper

142 100

127 70.4 31.6 47.4#

141 12.0 11.6 17.4



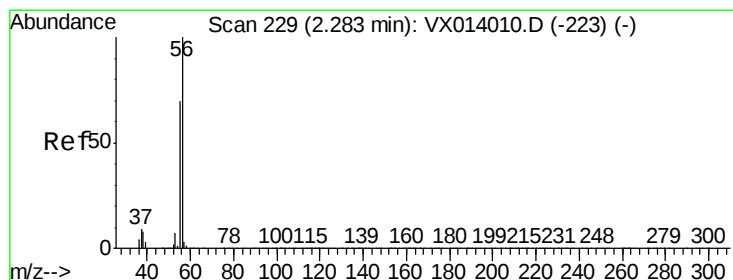
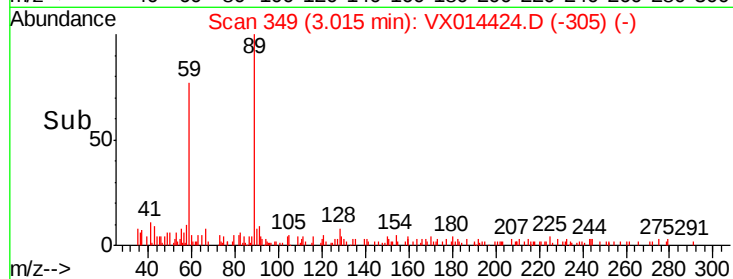
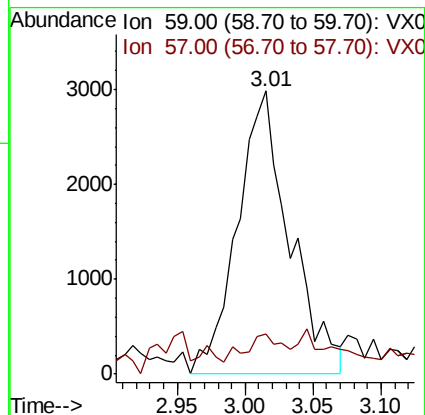
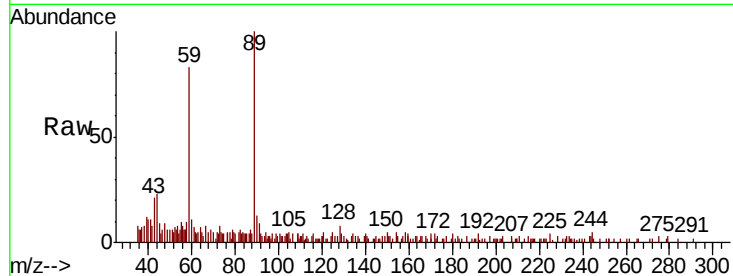


#11

Tert butyl alcohol
 Concen: 5.816 ug/l
 RT: 3.01 min Scan# 349
 Delta R.T. -0.03 min
 Lab File: VX014424.D
 Acq: 06 Jan 2020 13:56

Instrument :
 MSVOA_X
 ClientSampleId :

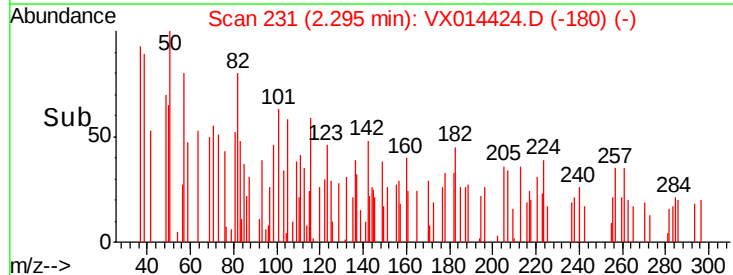
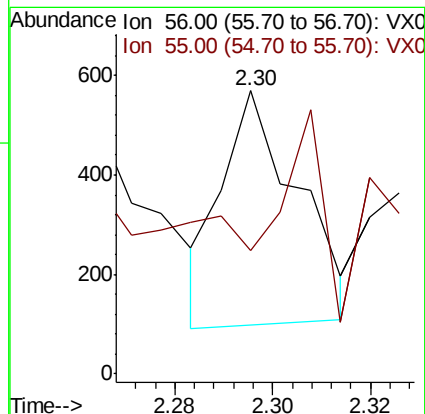
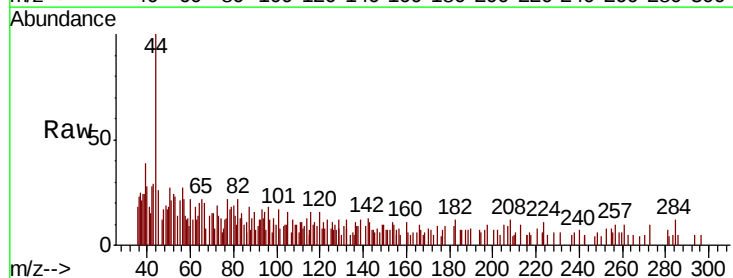
Tot Ion: 59 Resp: 8026
 Ion Ratio Lower Upper
 59 100
 57 7.3 8.4 12.6#

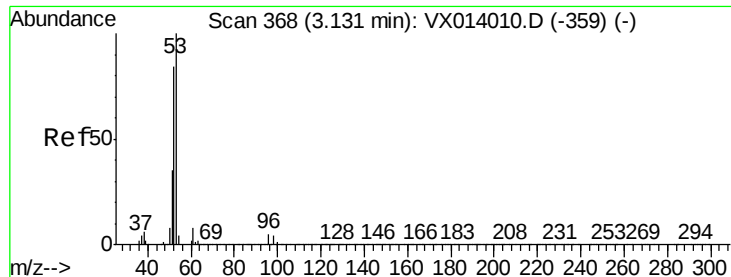


#13

Acrolein
 Concen: 0.641 ug/l
 RT: 2.30 min Scan# 231
 Delta R.T. 0.01 min
 Lab File: VX014424.D
 Acq: 06 Jan 2020 13:56

Tgt Ion: 56 Resp: 506
 Ion Ratio Lower Upper
 56 100
 55 47.0 56.9 85.3#





#15

Acrylonitrile

Concen: 0.212 ug/l

RT: 3.12 min Scan# 367

Delta R.T. -0.01 min

Lab File: VX014424.D

Acq: 06 Jan 2020 13:56

Instrument :
MSVOA_X
ClientSampled :

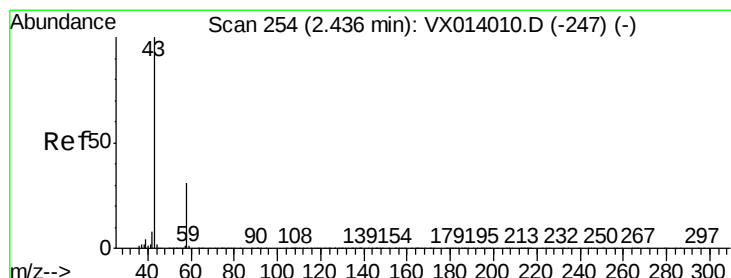
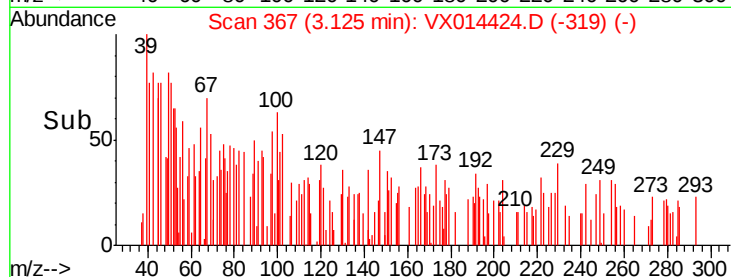
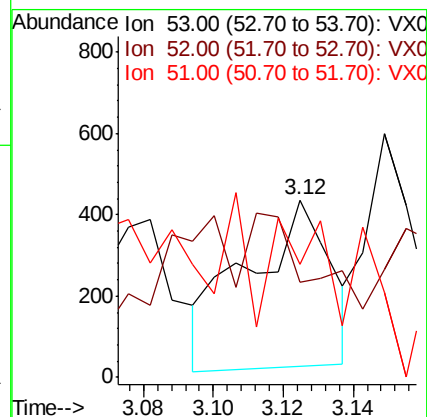
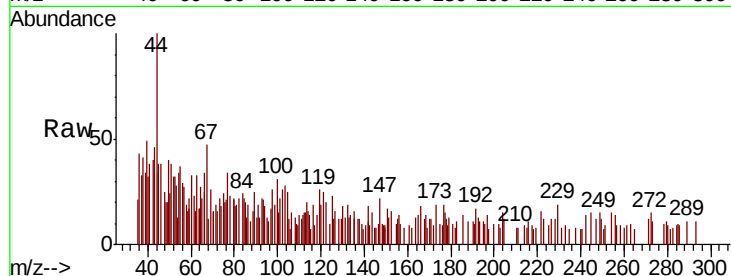
Tot Ion: 53 Resp: 684

Ion Ratio Lower Upper

53 100

52 0.0 66.5 99.7#

51 94.0 28.1 42.1#



#16

Acetone

Concen: 2.959 ug/l

RT: 2.43 min Scan# 253

Delta R.T. -0.01 min

Lab File: VX014424.D

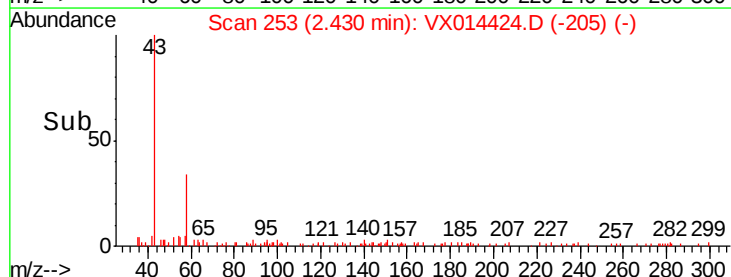
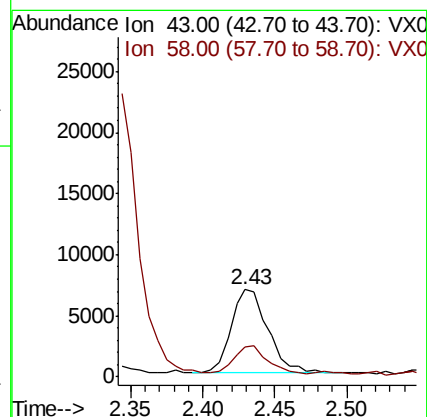
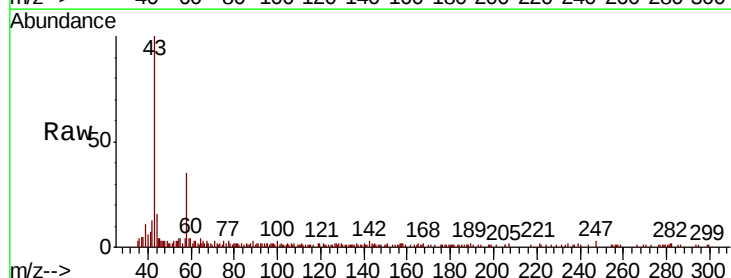
Acq: 06 Jan 2020 13:56

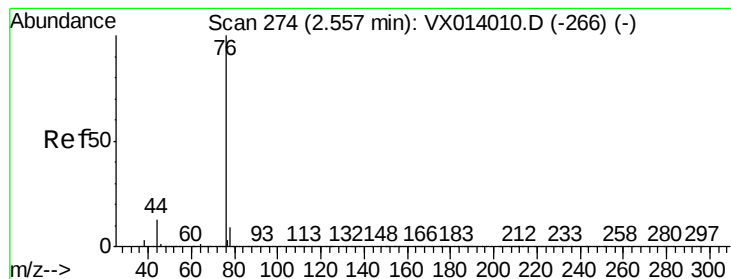
Tgt Ion: 43 Resp: 12267

Ion Ratio Lower Upper

43 100

58 30.5 24.9 37.3





#17

Carbon Disulfide

Concen: 0.871 ug/l

RT: 2.56 min Scan# 275

Delta R.T. 0.01 min

Lab File: VX014424.D

Acq: 06 Jan 2020 13:56

Instrument :

MSVOA_X

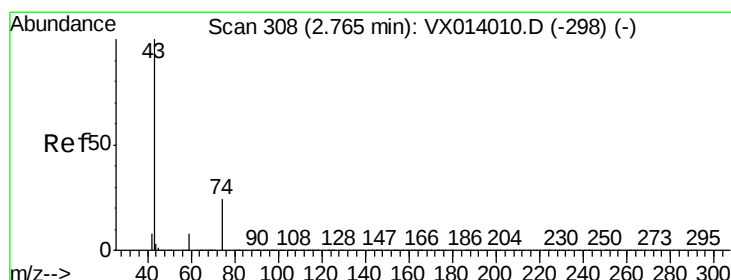
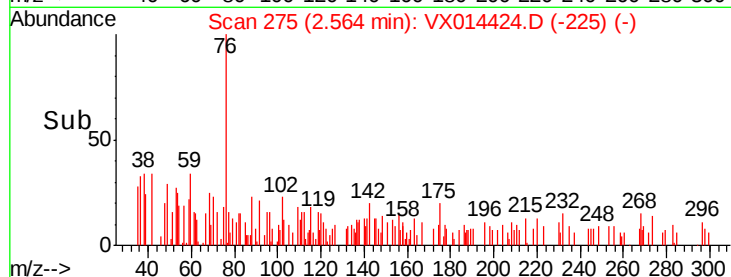
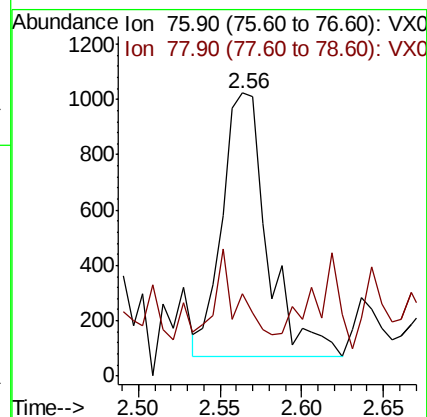
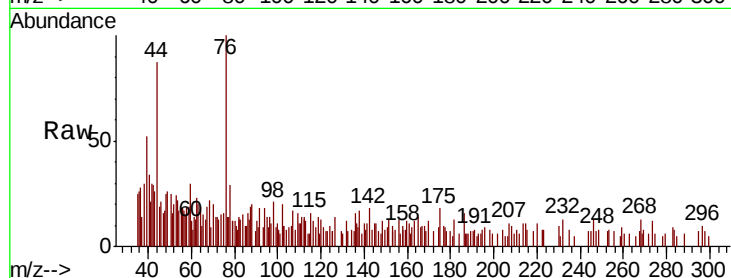
ClientSampled :

Tot Ion: 76 Resp: 1842

Ion Ratio Lower Upper

76 100

78 14.8 7.2 10.8#



#18

Methyl Acetate

Concen: 0.204 ug/l

RT: 2.78 min Scan# 311

Delta R.T. 0.02 min

Lab File: VX014424.D

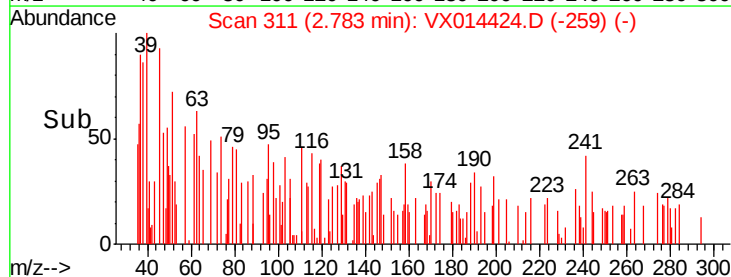
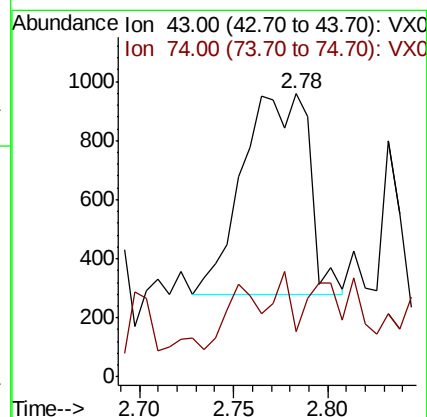
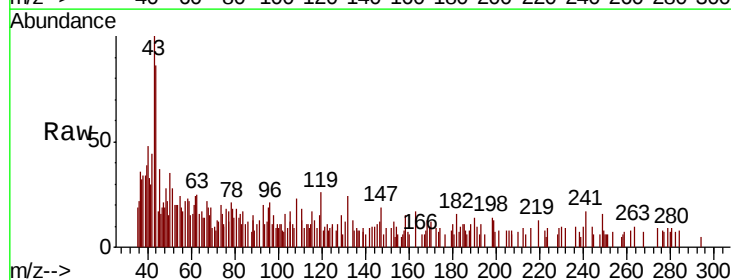
Acq: 06 Jan 2020 13:56

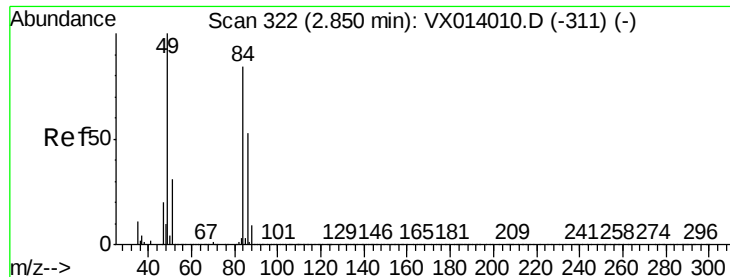
Tgt Ion: 43 Resp: 1672

Ion Ratio Lower Upper

43 100

74 0.0 19.5 29.3#

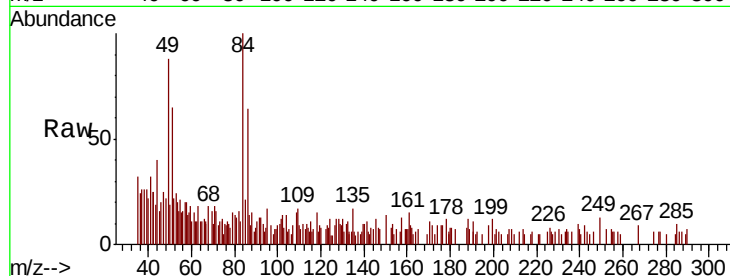




#20
Methvlene Chloride
Concen: 0.309 ug/l
RT: 2.84 min Scan# 321
Delta R.T. -0.01 min
Lab File: VX014424.D
Acq: 06 Jan 2020 13:56

Instrument :
MSVOA_X
ClientSampleId :

Tot Ion:	84	Resp:	2016
Ion	Ratio	Lower	Upper
84	100		
49	77.2	95.8	143.6#
51	77.1	29.8	44.8#
86	65.1	50.8	76.2



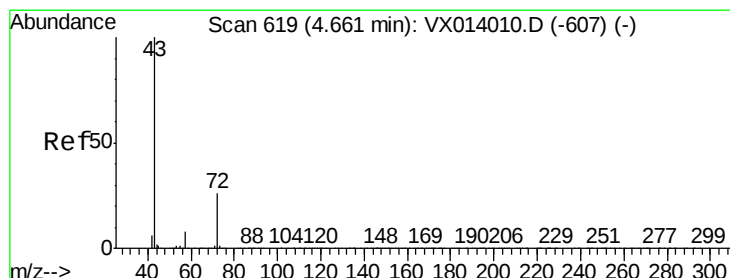
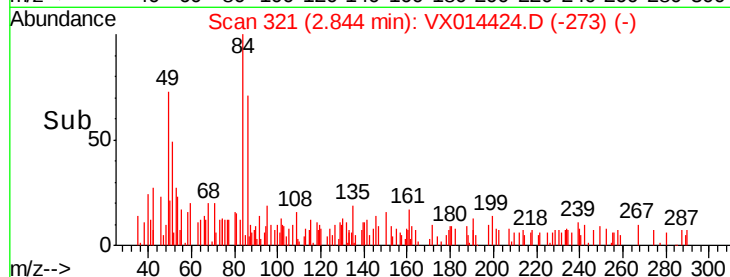
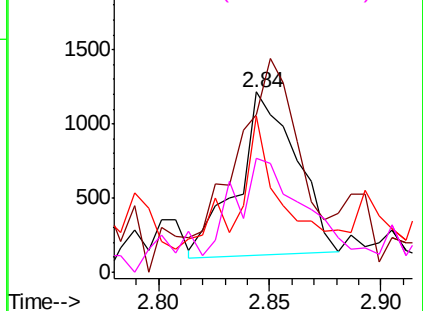
Abundance

Ion 83.90 (83.60 to 84.60): VX0

Ion 48.90 (48.60 to 49.60): VX0

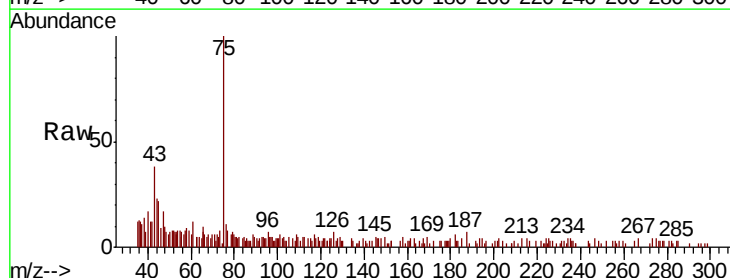
Ion 50.90 (50.60 to 51.60): VX0

Ion 85.90 (85.60 to 86.60): VX0



#25
2-Butanone
Concen: 0.266 ug/l
RT: 4.69 min Scan# 623
Delta R.T. 0.02 min
Lab File: VX014424.D
Acq: 06 Jan 2020 13:56

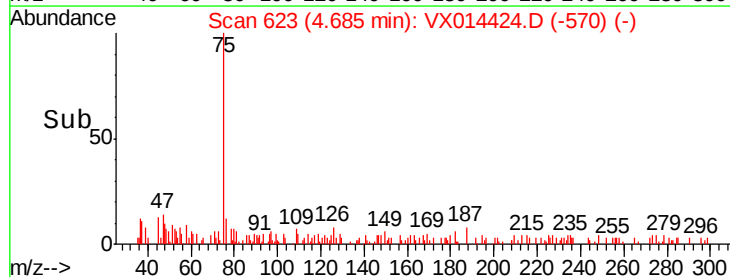
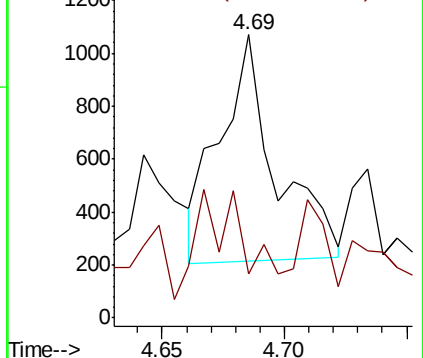
Tgt Ion:	43	Resp:	1359
Ion	Ratio	Lower	Upper
43	100		
72	6.1	21.0	31.4#

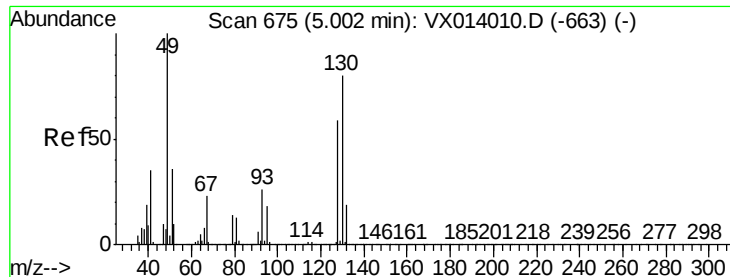


Abundance

Ion 43.00 (42.70 to 43.70): VX0

Ion 72.00 (71.70 to 72.70): VX0





#28

Bromochloromethane

Concen: 0.539 ug/l

RT: 5.01 min Scan# 677

Delta R.T. 0.01 min

Lab File: VX014424.D

Acq: 06 Jan 2020 13:56

Instrument :

MSVOA_X

ClientSampled :

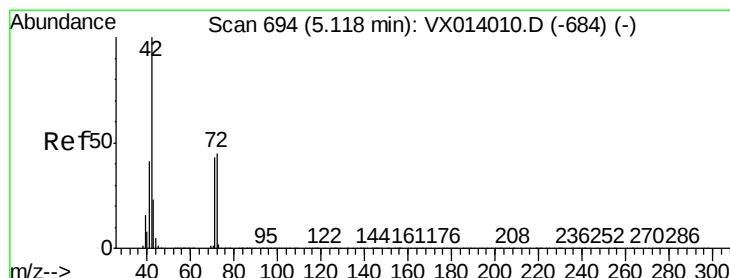
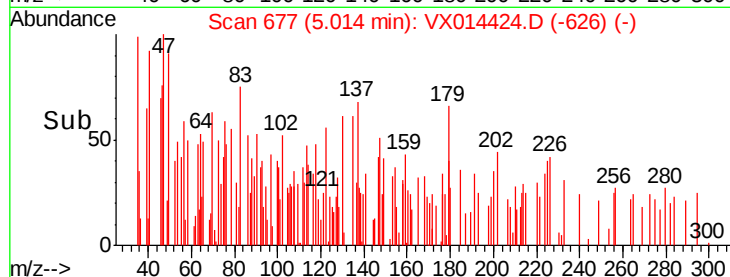
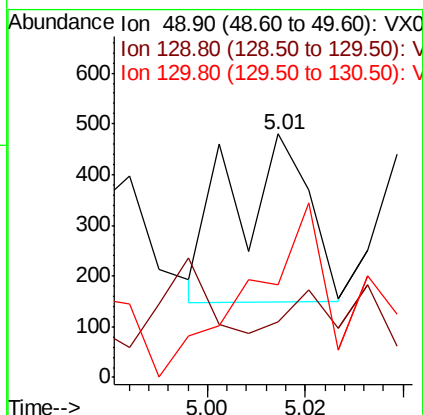
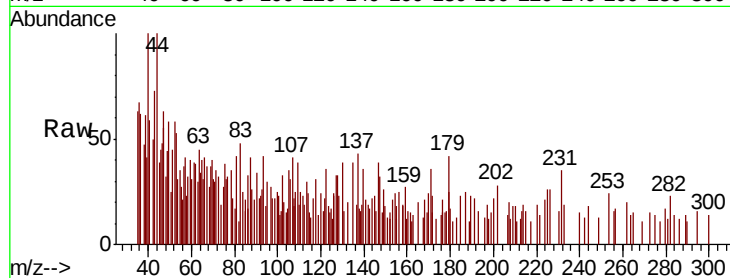
Tot Ion: 49 Resp: 353

Ion Ratio Lower Upper

49 100

129 0.0 0.0 5.0

130 172.2 64.6 97.0#



#29

Tetrahydrofuran

Concen: 0.358 ug/l

RT: 5.03 min Scan# 680

Delta R.T. -0.09 min

Lab File: VX014424.D

Acq: 06 Jan 2020 13:56

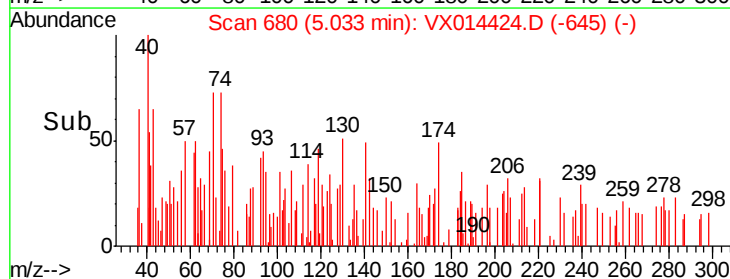
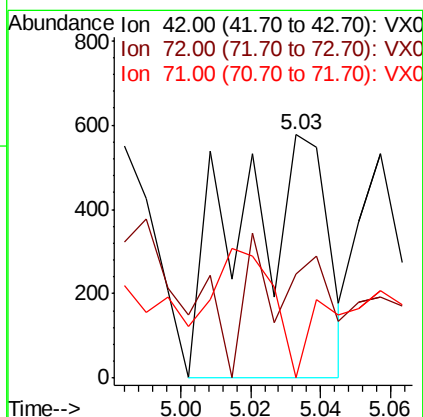
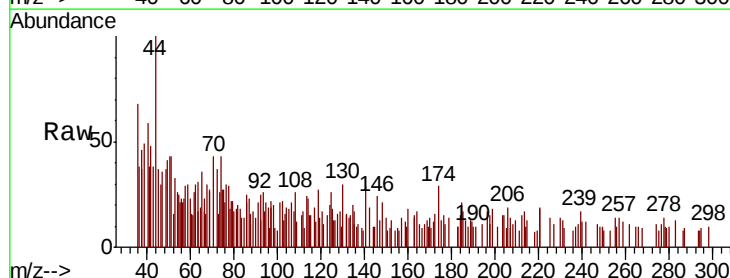
Tgt Ion: 42 Resp: 1024

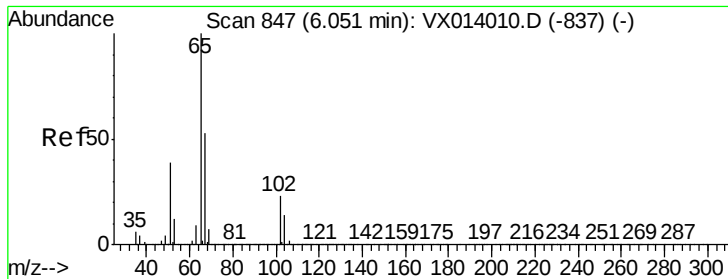
Ion Ratio Lower Upper

42 100

72 47.4 35.8 53.8

71 35.7 33.6 50.4



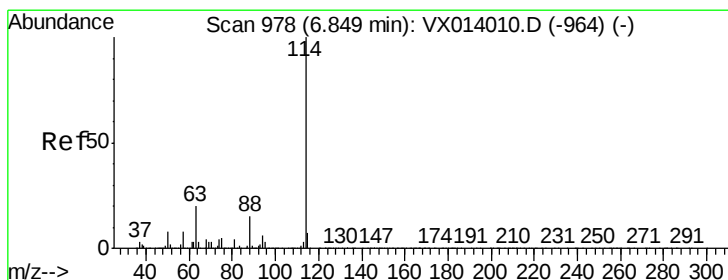
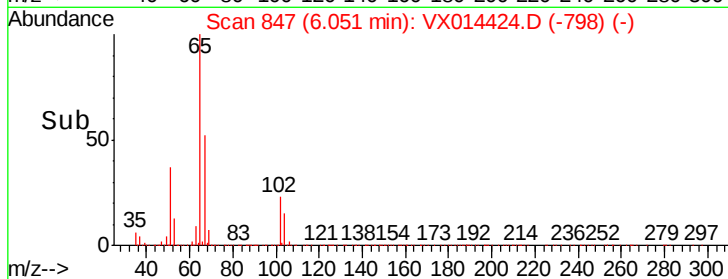
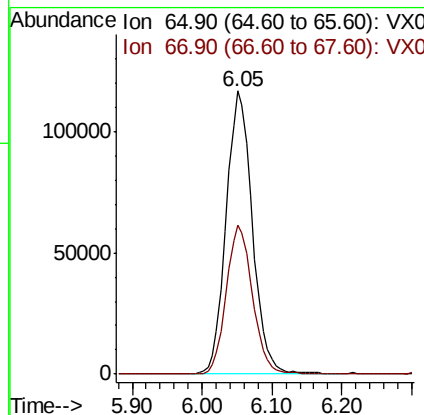
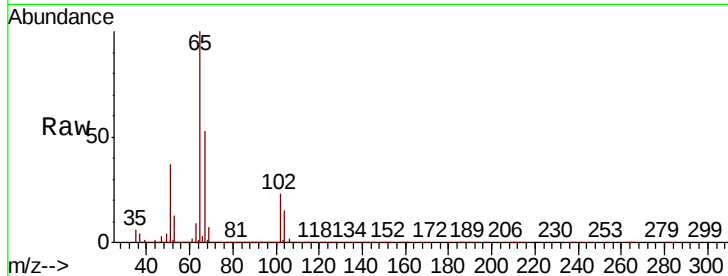


#33

1,2-Dichloroethane-d4
Concen: 47.326 ug/l
RT: 6.05 min Scan# 847
Delta R.T. 0.00 min
Lab File: VX014424.D
Acq: 06 Jan 2020 13:56

Instrument :
MSVOA_X
ClientSampled :

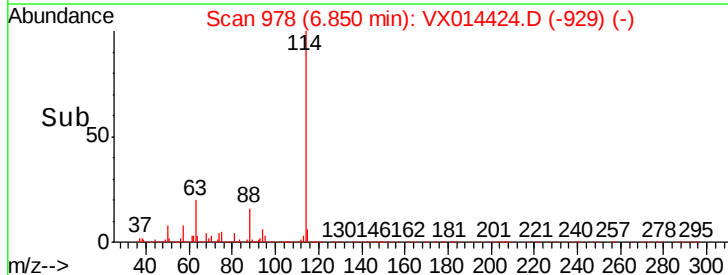
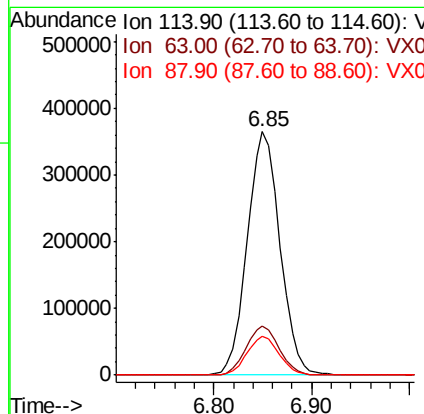
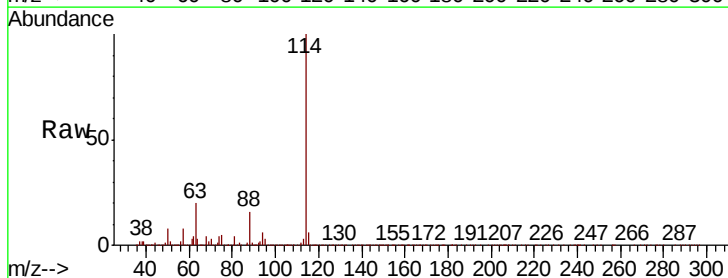
Tot Ion	Ratio	Lower	Upper
65	100		
67	52.4	0.0	106.4

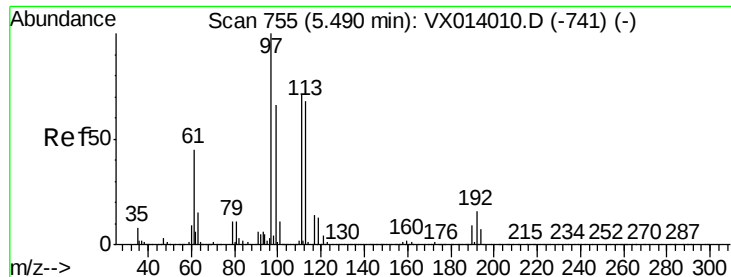


#34

1,4-Difluorobenzene
Concen: 50.000 ug/l
RT: 6.85 min Scan# 978
Delta R.T. 0.00 min
Lab File: VX014424.D
Acq: 06 Jan 2020 13:56

Tgt Ion	Ratio	Lower	Upper
114	100		
63	19.9	0.0	40.8
88	15.6	0.0	30.4

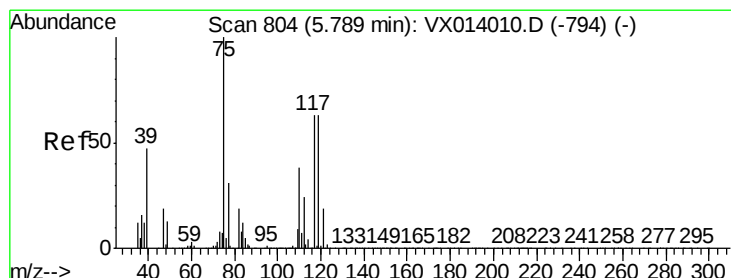
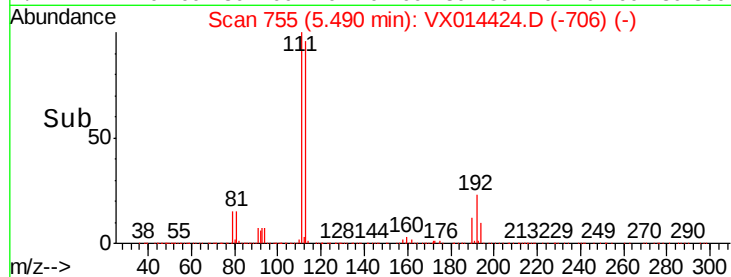
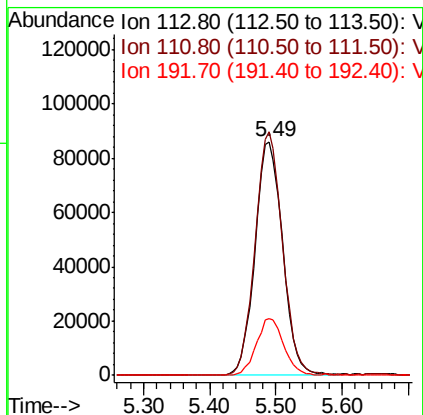
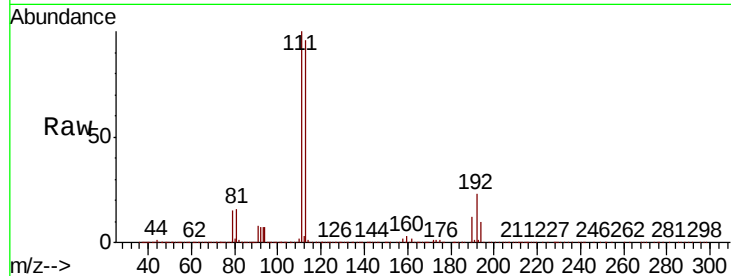




#35
Dibromofluoromethane
Concen: 48.731 ug/l
RT: 5.49 min Scan# 755
Delta R.T. 0.00 min
Lab File: VX014424.D
Acq: 06 Jan 2020 13:56

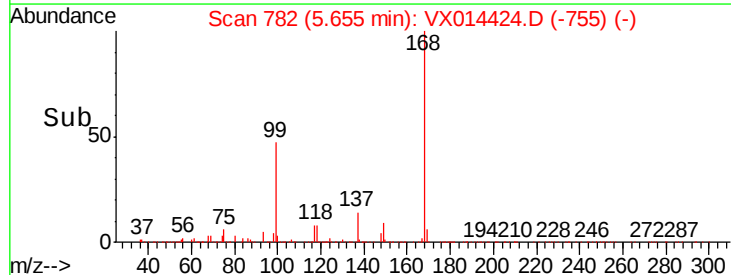
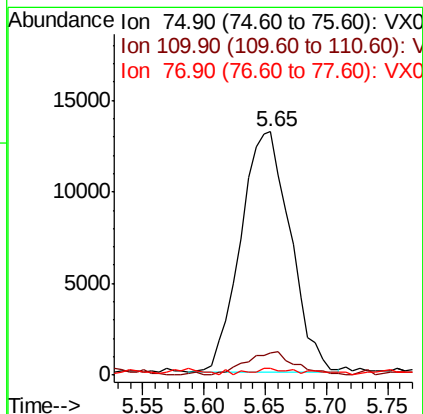
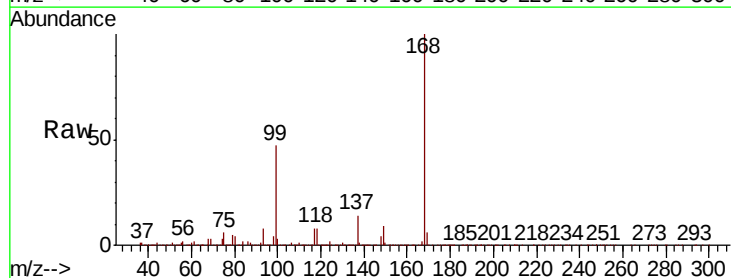
Instrument :
MSVOA_X
ClientSampleId :

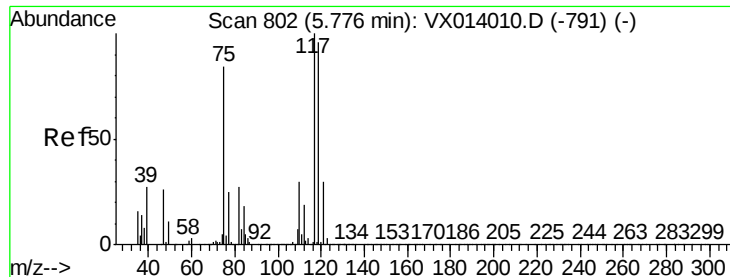
Tot Ion	Ratio	Lower	Upper
113	100		
111	102.6	82.0	123.0
192	24.0	19.3	28.9



#36
1,1-Dichloropropene
Concen: 4.788 ug/l
RT: 5.65 min Scan# 782
Delta R.T. -0.13 min
Lab File: VX014424.D
Acq: 06 Jan 2020 13:56

Tgt Ion	Ratio	Lower	Upper
75	100		
110	9.7	18.3	54.9#
77	2.2	24.8	37.2#





#38

Carbon Tetrachloride

Concen: 6.964 ug/l

RT: 5.65 min Scan# 781

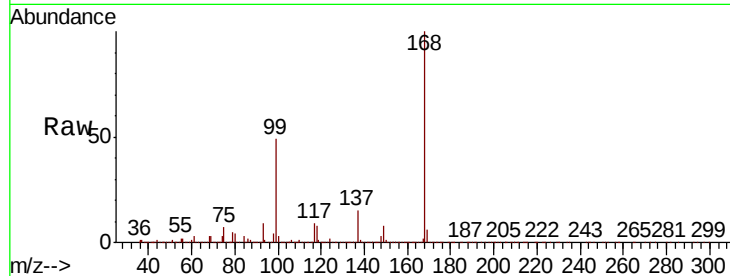
Delta R.T. -0.13 min

Lab File: VX014424.D

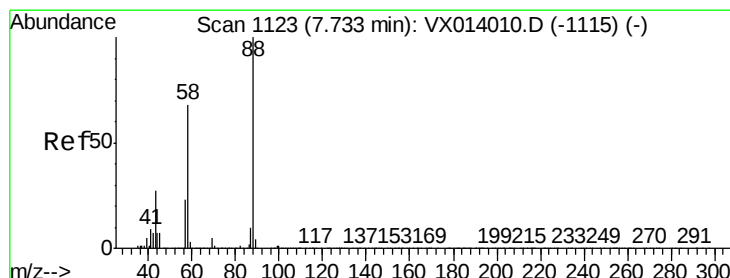
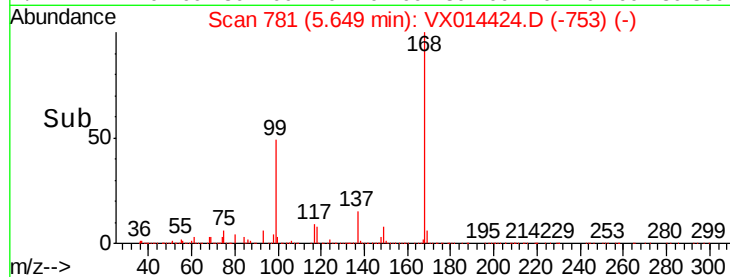
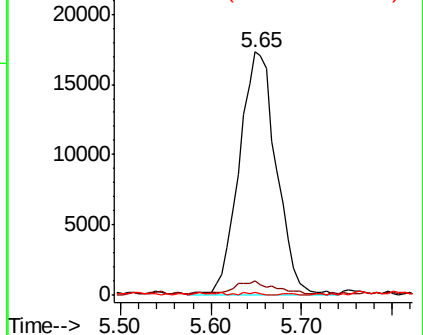
Acq: 06 Jan 2020 13:56

Instrument :
MSVOA_X
ClientSampled :

Tot Ion:117 Resp: 49162
Ion Ratio Lower Upper
117 100
119 5.6 76.2 114.4#
121 1.1 23.6 35.4#



Abundance Ion 116.80 (116.50 to 117.50): V
Ion 118.80 (118.50 to 119.50): V
Ion 120.80 (120.50 to 121.50): V



#49

1,4-Dioxane

Concen: 5.726 ug/l

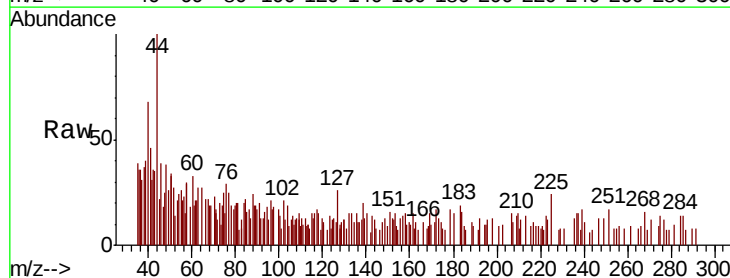
RT: 7.75 min Scan# 1126

Delta R.T. 0.02 min

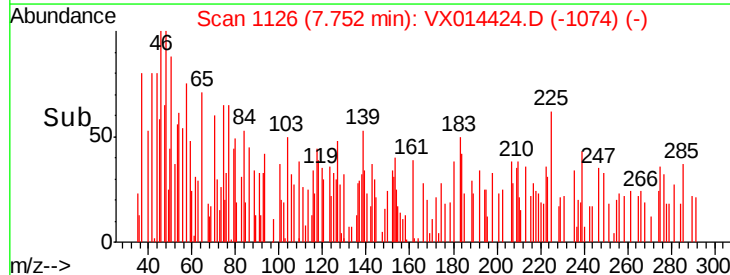
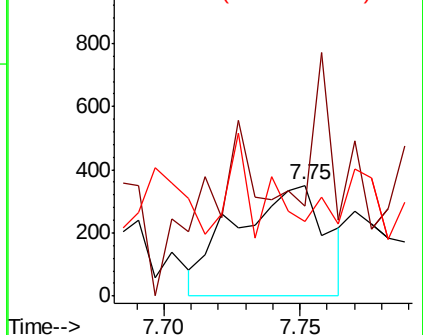
Lab File: VX014424.D

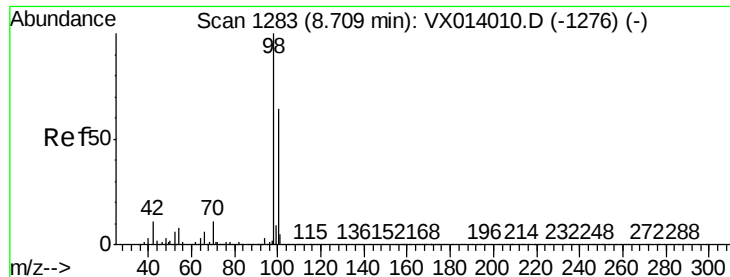
Acq: 06 Jan 2020 13:56

Tgt Ion: 88 Resp: 808
Ion Ratio Lower Upper
88 100
43 47.9 26.5 39.7#
58 57.9 56.8 85.2



Abundance Ion 88.00 (87.70 to 88.70): VX0
Ion 43.00 (42.70 to 43.70): VX0
Ion 58.00 (57.70 to 58.70): VX0





#50

Toluene-d8

Concen: 49.773 ug/l

RT: 8.71 min Scan# 1283

Delta R.T. 0.00 min

Lab File: VX014424.D

Acq: 06 Jan 2020 13:56

Instrument :

MSVOA_X

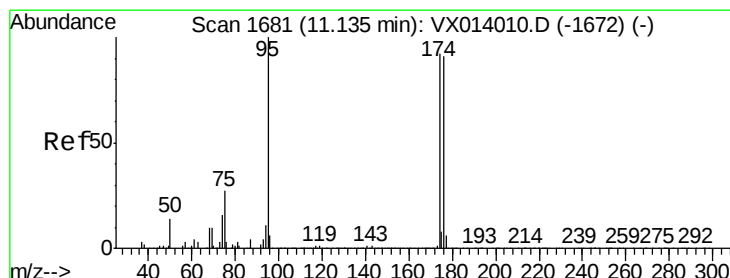
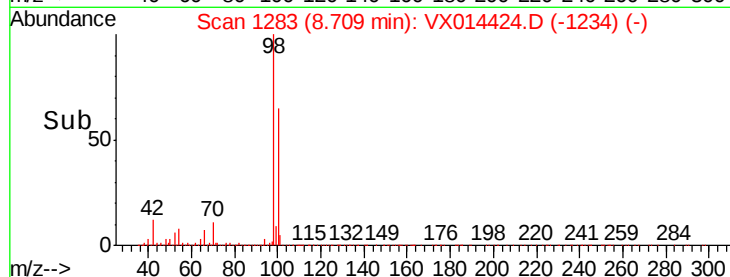
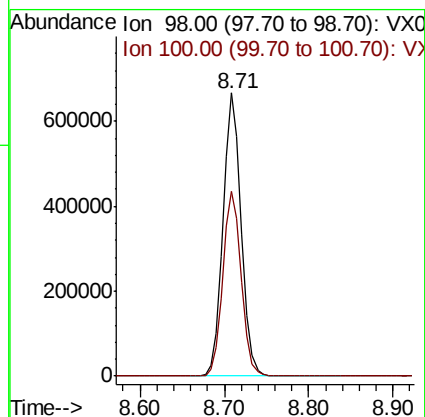
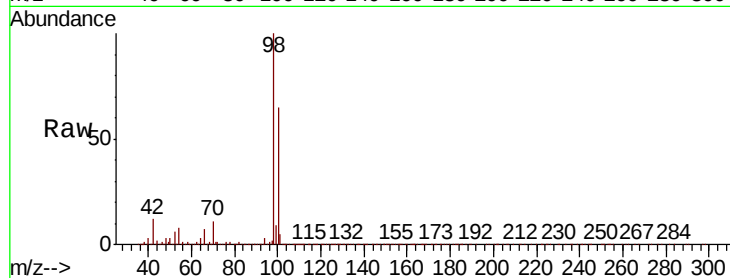
ClientSampleId :

Tot Ion: 98 Resp: 994808

Ion Ratio Lower Upper

98 100

100 65.7 52.9 79.3



#62

4-Bromofluorobenzene

Concen: 48.507 ug/l

RT: 11.13 min Scan# 1680

Delta R.T. -0.01 min

Lab File: VX014424.D

Acq: 06 Jan 2020 13:56

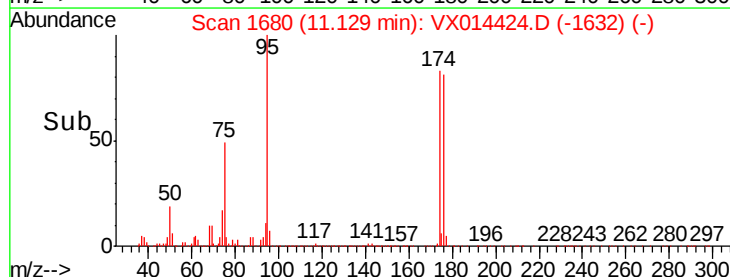
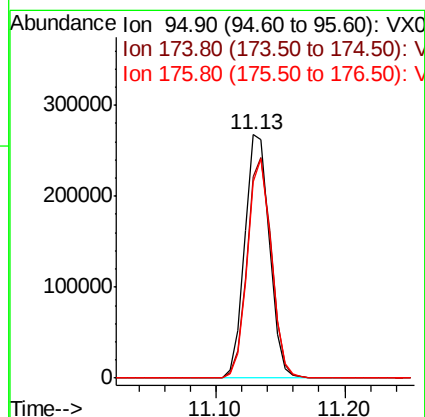
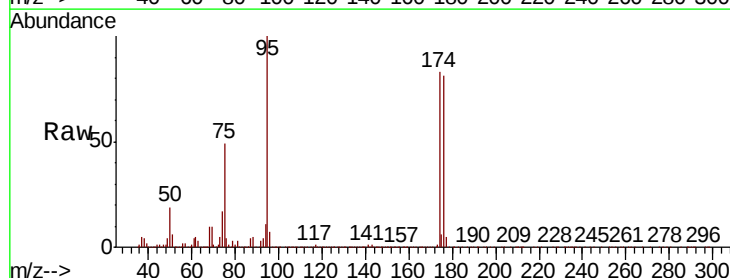
Tgt Ion: 95 Resp: 354394

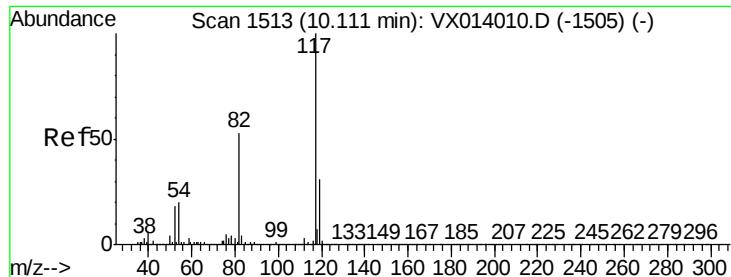
Ion Ratio Lower Upper

95 100

174 88.6 0.0 175.8

176 86.8 0.0 173.0

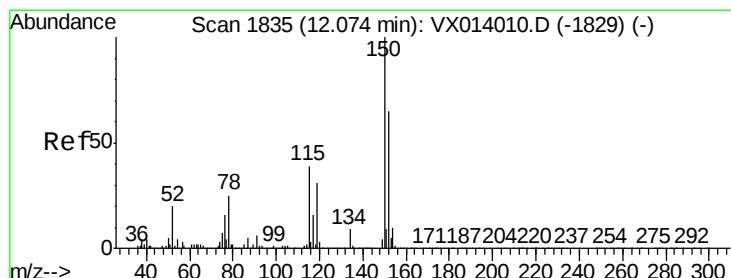
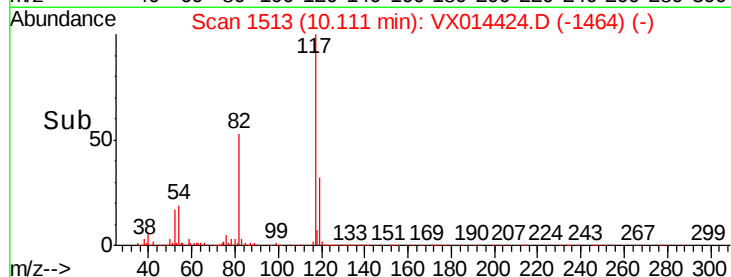
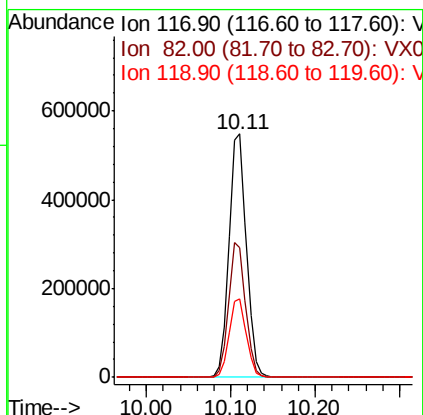
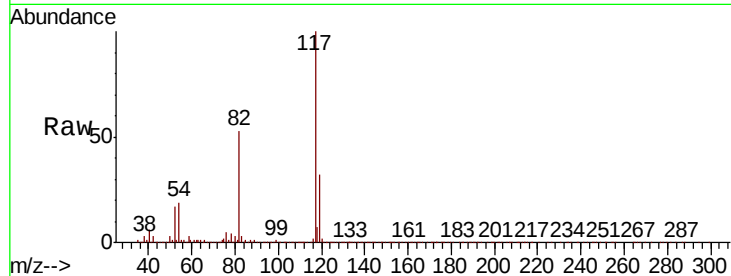




#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 10.11 min Scan# 1513
Delta R.T. 0.00 min
Lab File: VX014424.D
Acq: 06 Jan 2020 13:56

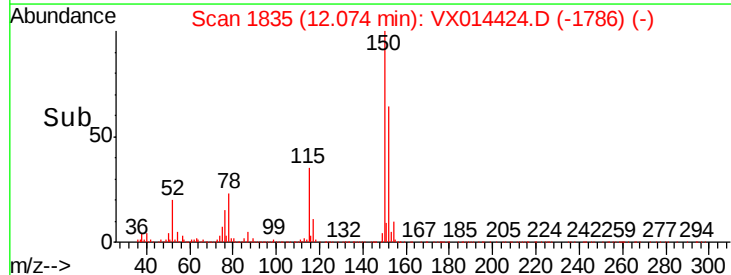
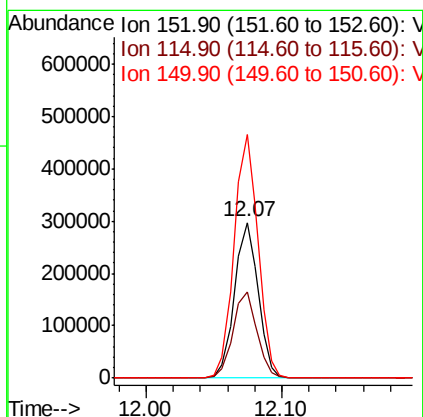
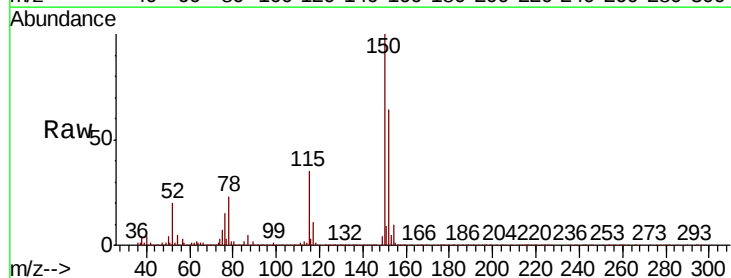
Instrument :
MSVOA_X
ClientSampleId :

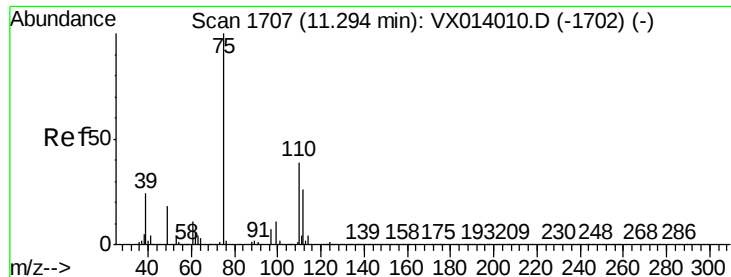
Tot Ion	Ratio	Lower	Upper
117	100		
82	53.3	42.2	63.4
119	32.3	25.1	37.7



#72
1,4-Dichlorobenzene-d4
Concen: 50.000 ug/l
RT: 12.07 min Scan# 1835
Delta R.T. 0.00 min
Lab File: VX014424.D
Acq: 06 Jan 2020 13:56

Tgt Ion	Ratio	Lower	Upper
152	100		
115	55.6	38.3	114.9
150	158.8	0.0	345.4





#76

1,2,3-Trichloropropane

Concen: 21.904 ug/l

RT: 11.13 min Scan# 1680

Delta R.T. -0.16 min

Lab File: VX014424.D

Acq: 06 Jan 2020 13:56

Instrument :

MSVOA_X

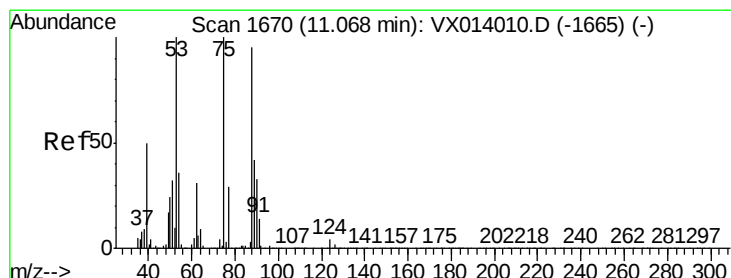
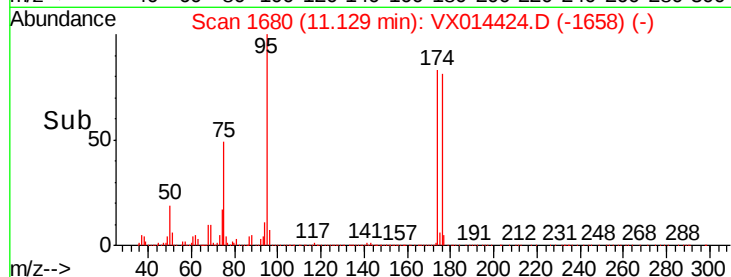
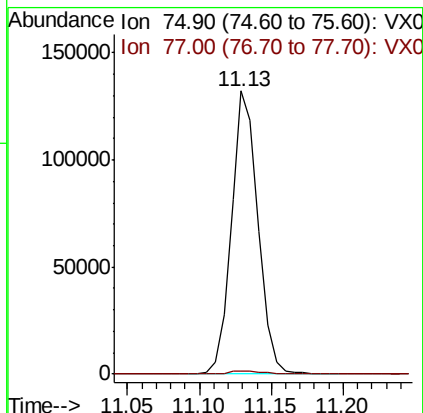
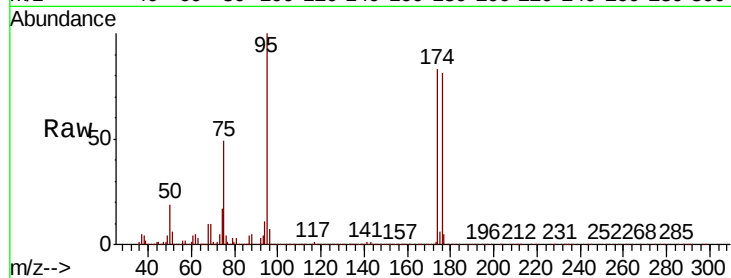
ClientSampleId :

Tot Ion: 75 Resp: 170721

Ion Ratio Lower Upper

75 100

77 1.5 19.3 57.8#



#81

trans-1,4-Dichloro-2-butene

Concen: 61.825 ug/l

RT: 11.13 min Scan# 1680

Delta R.T. 0.06 min

Lab File: VX014424.D

Acq: 06 Jan 2020 13:56

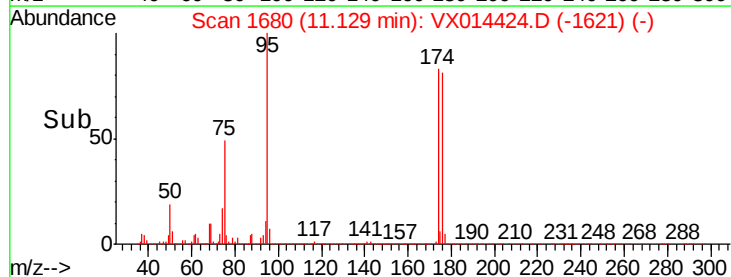
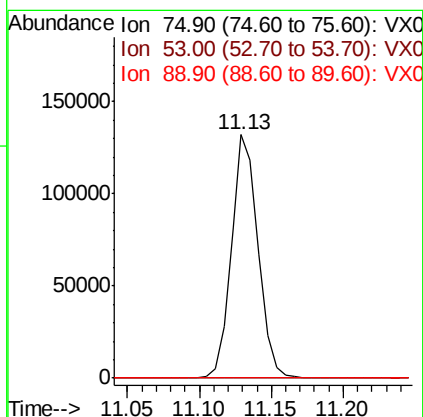
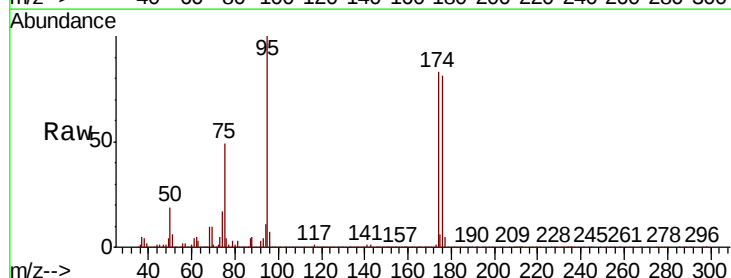
Tgt Ion: 75 Resp: 170721

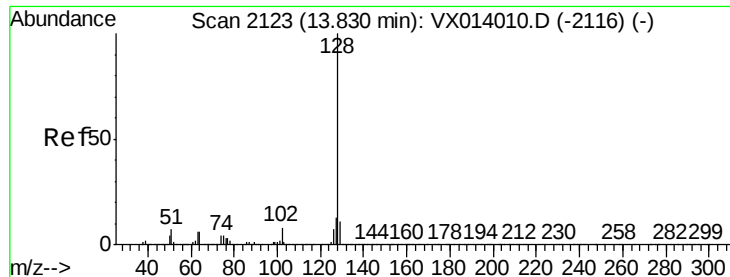
Ion Ratio Lower Upper

75 100

53 0.4 76.7 115.1#

89 0.0 34.6 51.8#

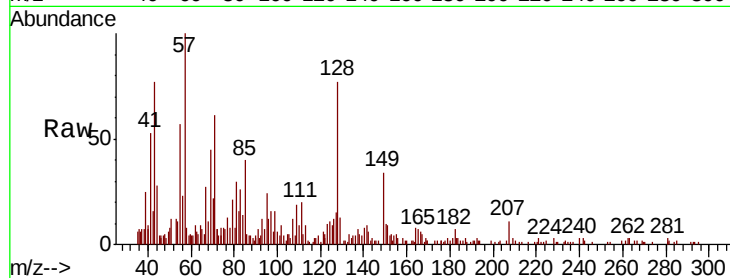




#95
Naphthalene
Concen: 0.223 ug/l
RT: 13.83 min Scan# 2123
Delta R.T. 0.00 min
Lab File: VX014424.D
Acq: 06 Jan 2020 13:56

Instrument :
MSVOA_X
ClientSampleId :

Tot Ion	Ratio	Lower	Upper
128	100		
127	20.9	10.2	15.4#
129	18.5	8.7	13.1#



Abundance

Ion 128.00 (127.70 to 128.70): V

Ion 127.00 (126.70 to 127.70): V

Ion 129.00 (128.70 to 129.70): V

