

Data Path : Z:\VOASRV\HPCHEM1\MSVOA X\DATA\WX010620\
 Data File : VX014420.D
 Acq On : 06 Jan 2020 11:59
 Operator : JC/SP
 Sample : VX0106WBL02
 Misc : 5.0mL/MSVOA X/WATER
 ALS Vial : 5 Sample Multiplier: 1

Instrument :
 MSVOA_X
 ClientSampleId :

Quant Time: Jan 06 15:57:05 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	569622	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	6.85	114	868061	50.00	ug/l	0.00
63) Chlorobenzene-d5	10.10	117	782360	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	12.07	152	359787	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	309014	47.87	ug/l	0.00
Spiked Amount			Recovery	=	95.74%	
35) Dibromofluoromethane	5.48	113	260273	49.32	ug/l	0.00
Spiked Amount			Recovery	=	98.64%	
50) Toluene-d8	8.71	98	1029658	50.12	ug/l	0.00
Spiked Amount			Recovery	=	100.24%	
62) 4-Bromofluorobenzene	11.13	95	354906	47.26	ug/l	0.00
Spiked Amount			Recovery	=	94.52%	

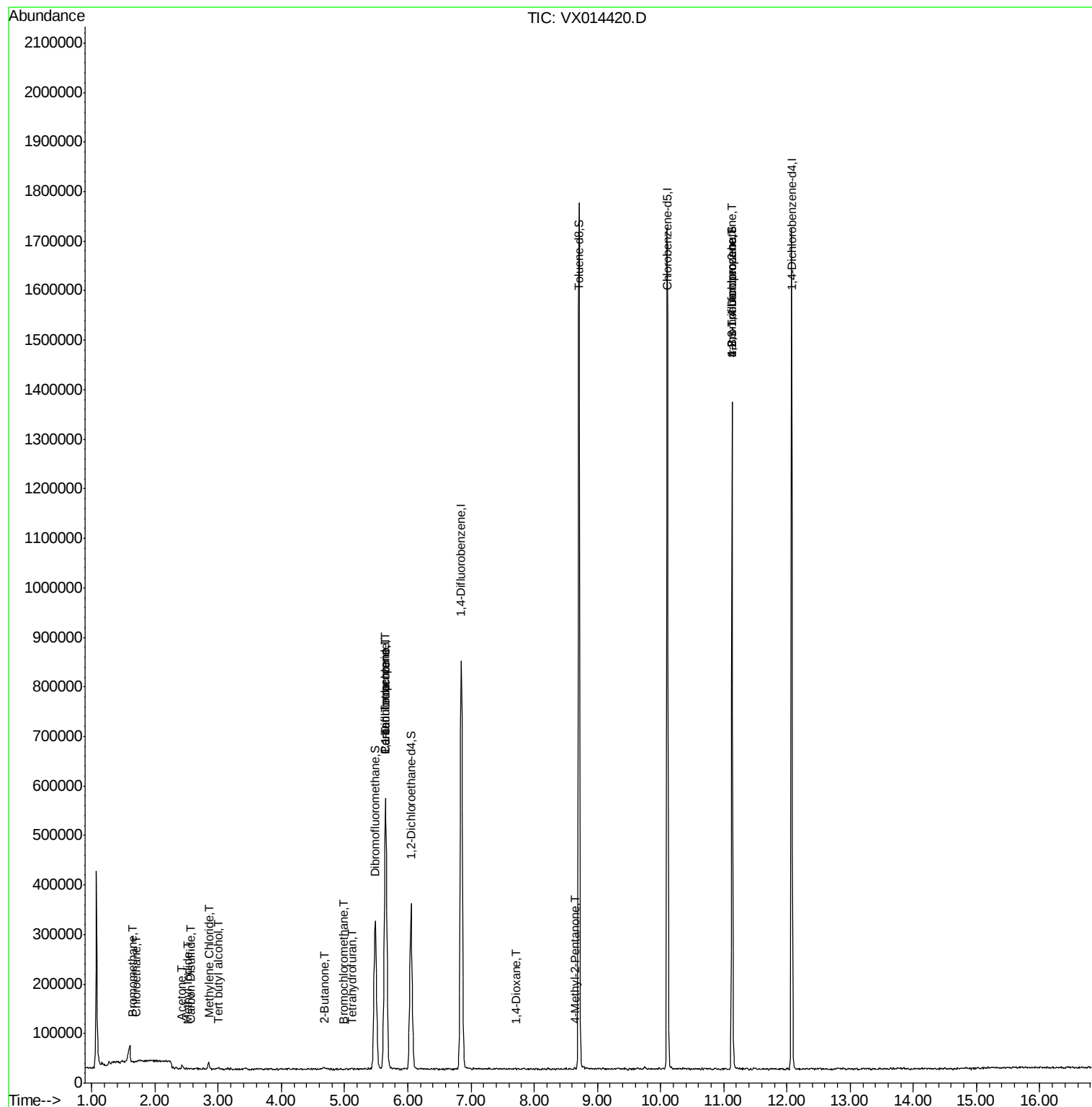
Target Compounds	R.T.	QIon	Response	Conc	Units	Qvalue
5) Bromomethane	1.64	94	1971	0.385	ug/l #	62
6) Chloroethane	1.70	64	8582	1.927	ug/l #	55
10) Methyl Iodide	2.51	142	946	2.747	ug/l #	72
11) Tert butyl alcohol	3.01	59	2121	1.520	ug/l #	79
16) Acetone	2.43	43	10549	2.517	ug/l #	78
17) Carbon Disulfide	2.56	76	2107	0.887	ug/l #	18
20) Methylene Chloride	2.85	84	7246	1.098	ug/l	90
25) 2-Butanone	4.68	43	3673	0.711	ug/l #	76
28) Bromochloromethane	4.98	49	366	0.541	ug/l #	4
29) Tetrahydrofuran	5.12	42	710	0.246	ug/l #	64
36) 1,1-Dichloropropene	5.65	75	39815	4.999	ug/l #	51
38) Carbon Tetrachloride	5.65	117	49750	6.856	ug/l #	15
49) 1,4-Dioxane	7.72	88	251	1.730	ug/l #	44
51) 4-Methyl-2-Pentanone	8.64	43	2524	0.276	ug/l	91
76) 1,2,3-Trichloropropane	11.13	75	171063	21.901	ug/l #	39
81) trans-1,4-Dichloro-2-buten	11.13	75	171063	61.815	ug/l #	12

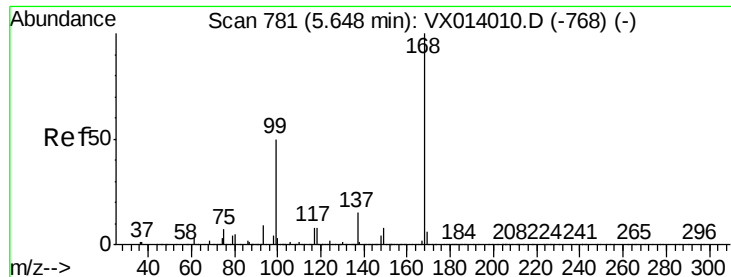
(#) = qualifier out of range (m) = manual integration (+) = signals summed

Data Path : Z:\V0ASRV\HPCHEM1\MSVOA X\DATA\VX010620\
Data File : VX014420.D
Acq On : 06 Jan 2020 11:59
Operator : JC/SP
Sample : VX0106WBL02
Misc : 5.0mL/MSVOA X/WATER
ALS Vial : 5 Sample Multiplier: 1

Instrument :
MSVOA_X
ClientSampled :

Quant Time: Jan 06 15:57:05 2020
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# 781

Delta R.T. 0.00 min

Lab File: VX014420.D

Acq: 06 Jan 2020 11:59

Instrument :

MSVOA_X

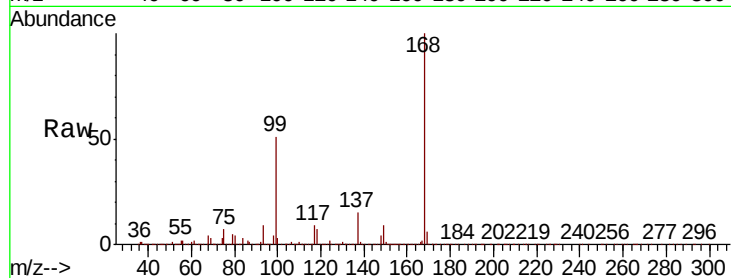
ClientSampled :

Tot Ion:168 Resp: 569622

Ion Ratio Lower Upper

168 100

99 51.0 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

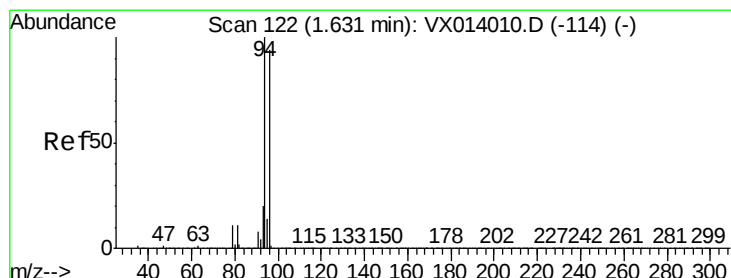
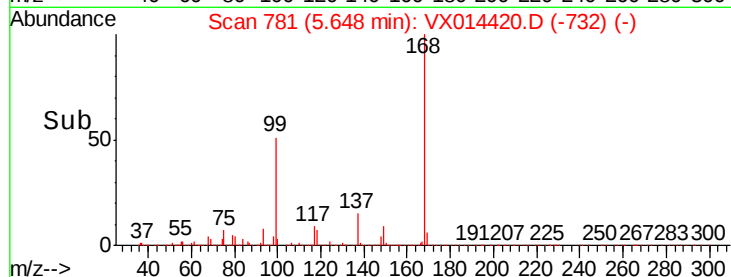
150000

100000

50000

0

Time-->



#5

Bromomethane

Concen: 0.385 ug/l

RT: 1.64 min Scan# 124

Delta R.T. 0.01 min

Lab File: VX014420.D

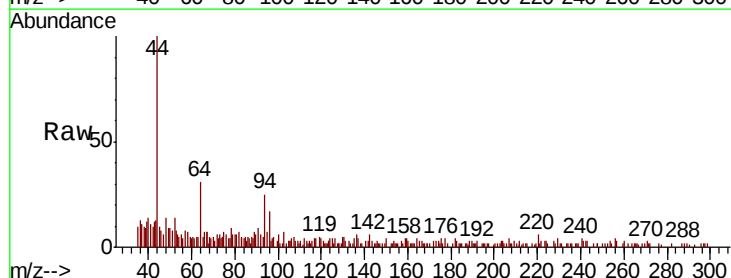
Acq: 06 Jan 2020 11:59

Tgt Ion: 94 Resp: 1971

Ion Ratio Lower Upper

94 100

96 57.3 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

1000

800

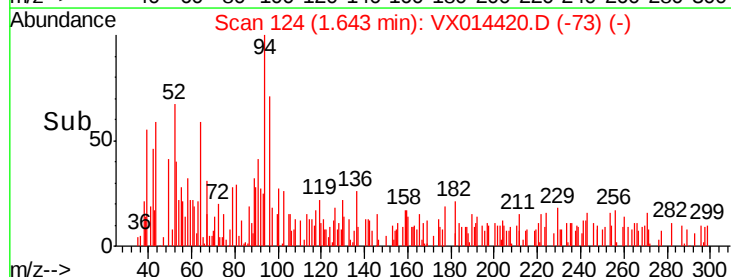
600

400

200

0

Time-->





#6

Chloroethane

Concen: 1.927 ug/l

RT: 1.70 min Scan# 134

Delta R.T. 0.00 min

Lab File: VX014420.D

Acq: 06 Jan 2020 11:59

Instrument :

MSVOA_X

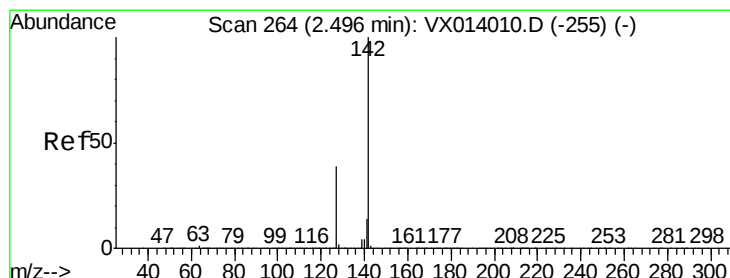
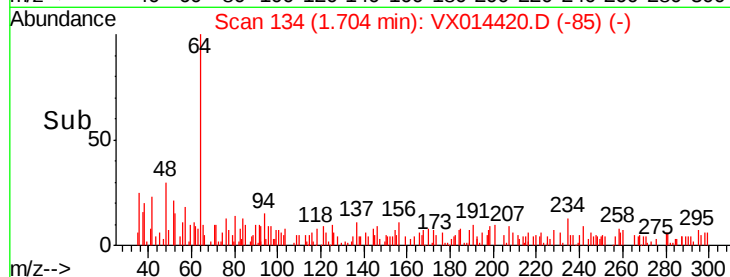
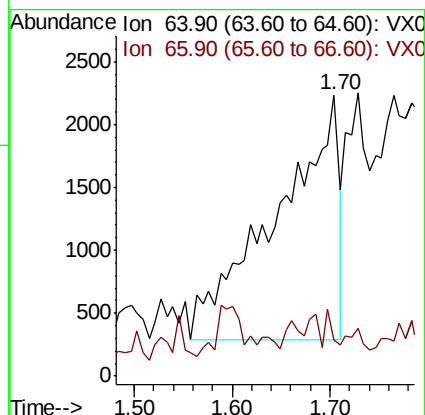
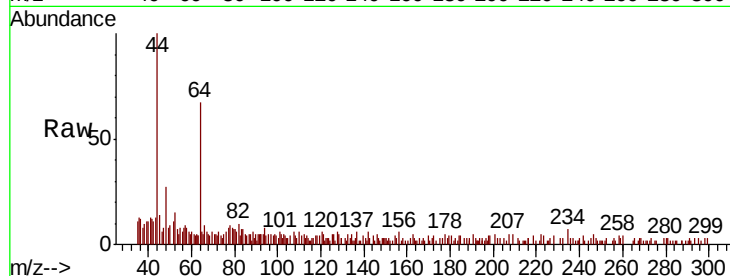
ClientSampled :

Tot Ion: 64 Resp: 8582

Ion Ratio Lower Upper

64 100

66 5.0 23.4 35.2#



#10

Methyl Iodide

Concen: 2.747 ug/l

RT: 2.51 min Scan# 266

Delta R.T. 0.01 min

Lab File: VX014420.D

Acq: 06 Jan 2020 11:59

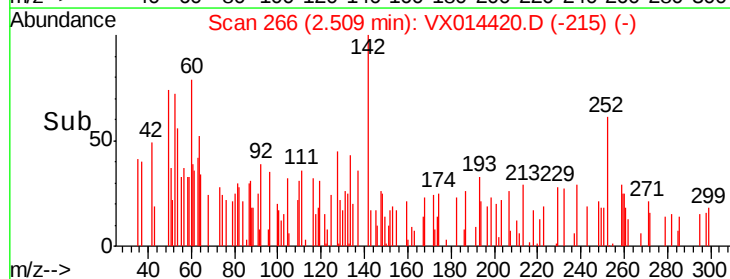
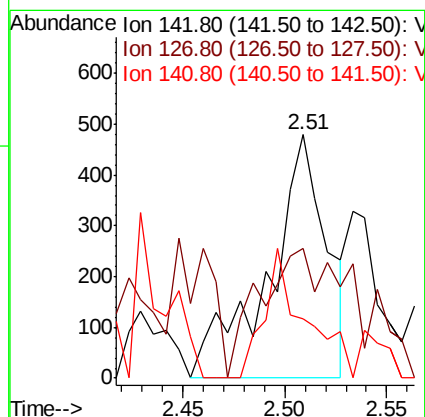
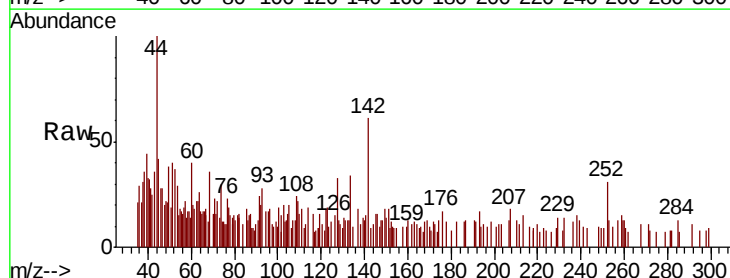
Tgt Ion: 142 Resp: 946

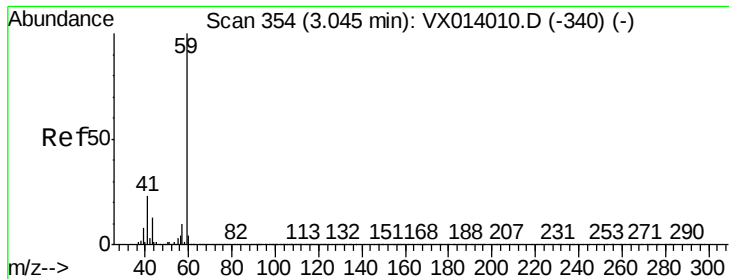
Ion Ratio Lower Upper

142 100

127 50.2 31.6 47.4#

141 37.5 11.6 17.4#

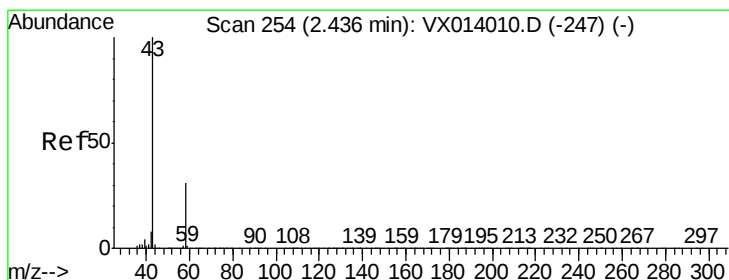
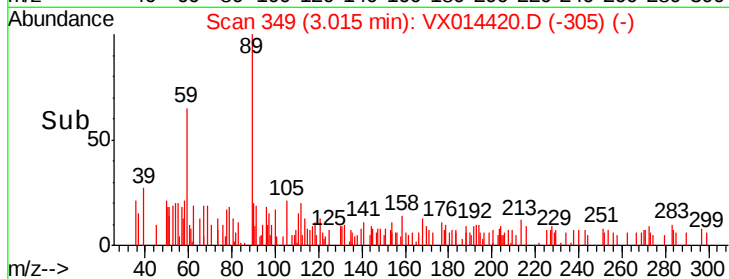
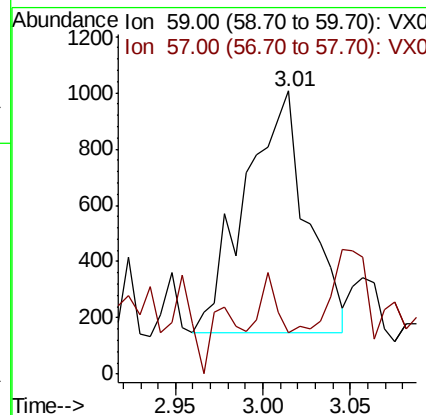
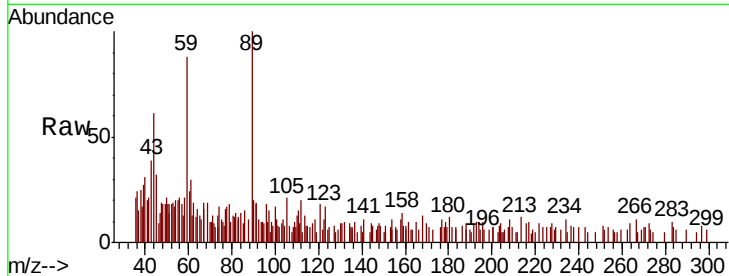




#11
Tert butyl alcohol
Concen: 1.520 ug/l
RT: 3.01 min Scan# 349
Delta R.T. -0.03 min
Lab File: VX014420.D
Acq: 06 Jan 2020 11:59

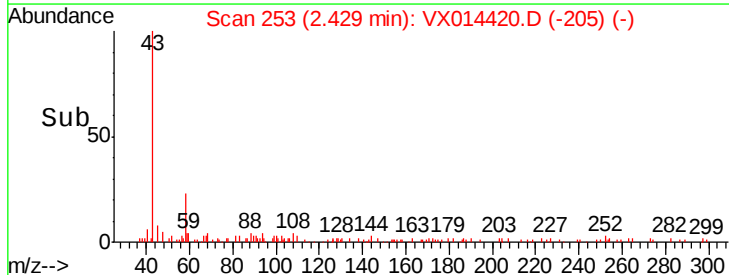
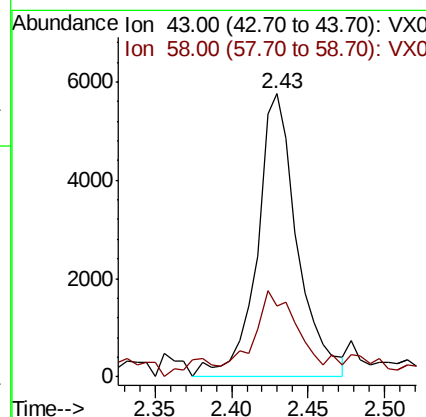
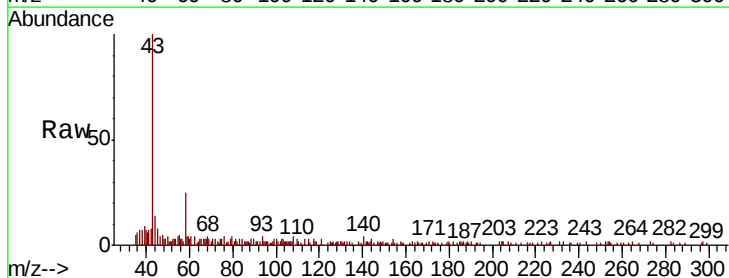
Instrument :
MSVOA_X
ClientSampled :

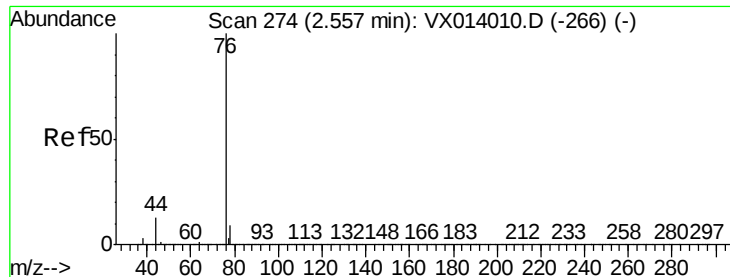
Tot Ion: 59 Resp: 2121
Ion Ratio Lower Upper
59 100
57 18.4 8.4 12.6#



#16
Acetone
Concen: 2.517 ug/l
RT: 2.43 min Scan# 253
Delta R.T. -0.01 min
Lab File: VX014420.D
Acq: 06 Jan 2020 11:59

Tgt Ion: 43 Resp: 10549
Ion Ratio Lower Upper
43 100
58 19.1 24.9 37.3#





#17

Carbon Disulfide

Concen: 0.887 ug/l

RT: 2.56 min Scan# 274

Delta R.T. 0.00 min

Lab File: VX014420.D

Acq: 06 Jan 2020 11:59

Instrument :

MSVOA_X

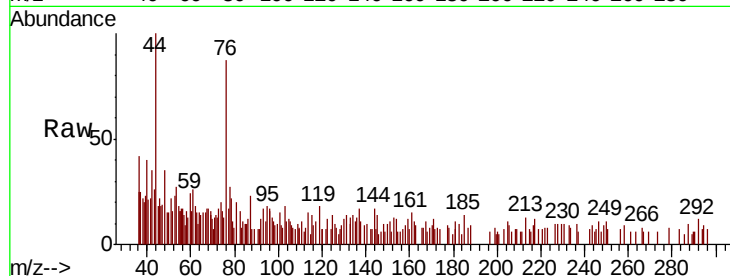
ClientSampleId :

Tot Ion: 76 Resp: 2107

Ion Ratio Lower Upper

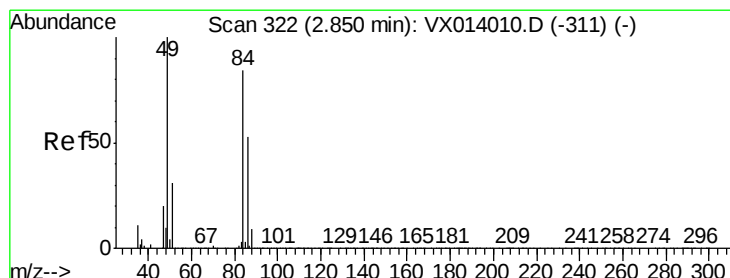
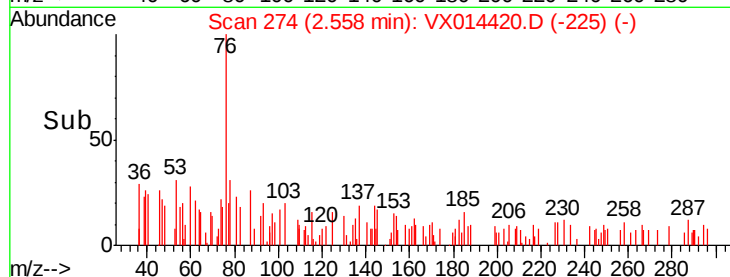
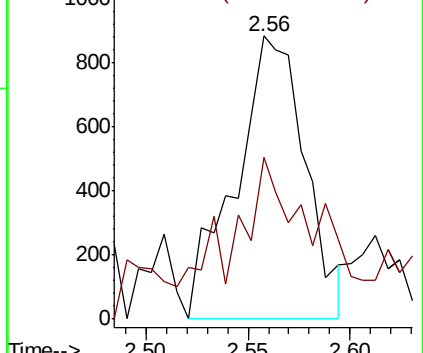
76 100

78 38.8 7.2 10.8#



Abundance Ion 75.90 (75.60 to 76.60): VX0

Ion 77.90 (77.60 to 78.60): VX0



#20

Methylene Chloride

Concen: 1.098 ug/l

RT: 2.85 min Scan# 322

Delta R.T. 0.00 min

Lab File: VX014420.D

Acq: 06 Jan 2020 11:59

Tgt Ion: 84 Resp: 7246

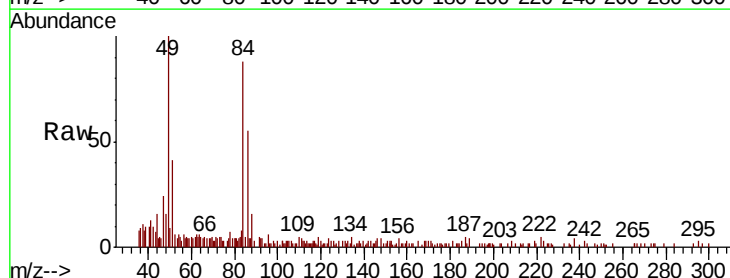
Ion Ratio Lower Upper

84 100

49 102.9 95.8 143.6

51 37.9 29.8 44.8

86 59.4 50.8 76.2

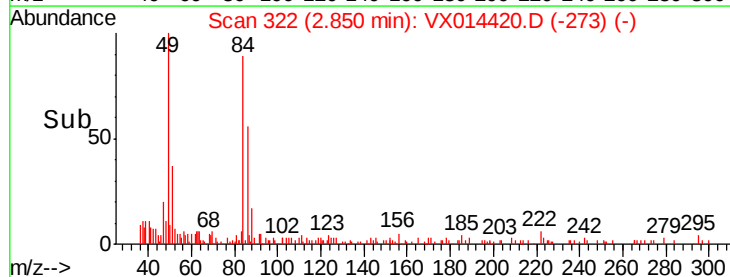
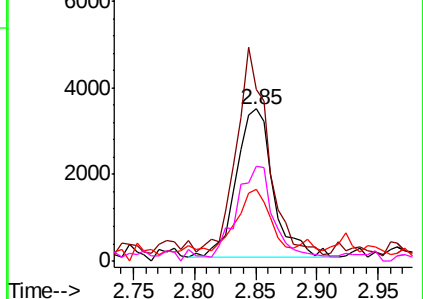


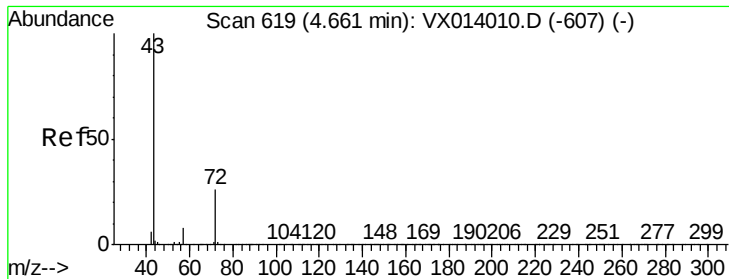
Abundance Ion 83.90 (83.60 to 84.60): VX0

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: 0.711 ug/l

RT: 4.68 min Scan# 622

Delta R.T. 0.02 min

Lab File: VX014420.D

Acq: 06 Jan 2020 11:59

Instrument :

MSVOA_X

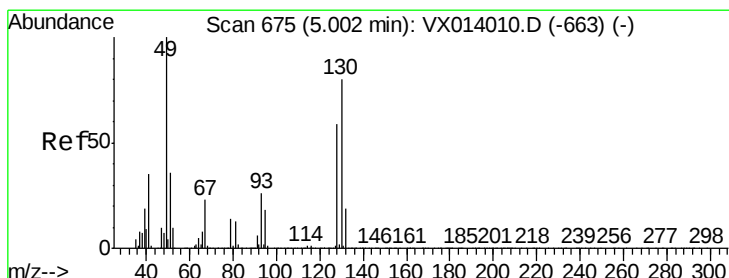
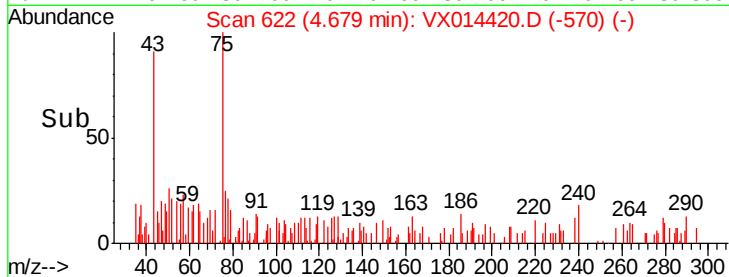
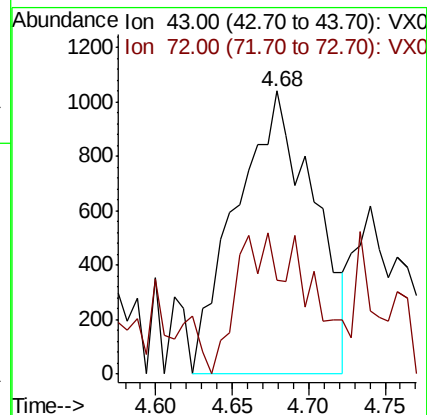
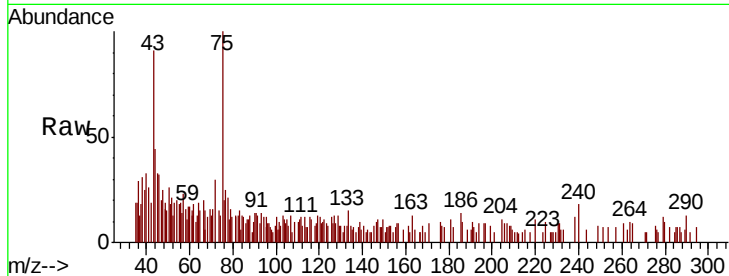
ClientSampled :

Tot Ion: 43 Resp: 3673

Ion Ratio Lower Upper

43 100

72 14.1 21.0 31.4#



#28

Bromochloromethane

Concen: 0.541 ug/l

RT: 4.98 min Scan# 672

Delta R.T. -0.02 min

Lab File: VX014420.D

Acq: 06 Jan 2020 11:59

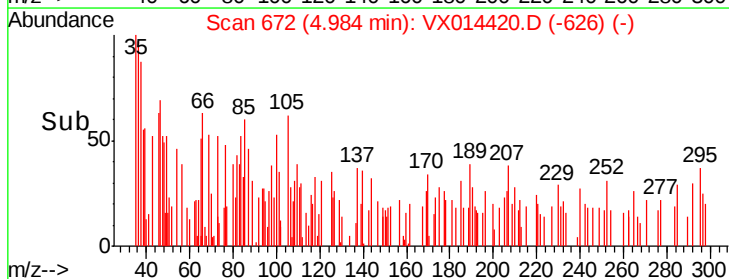
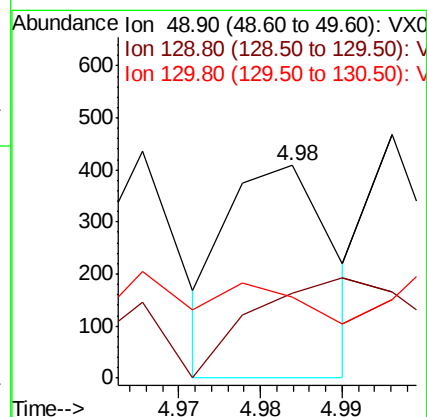
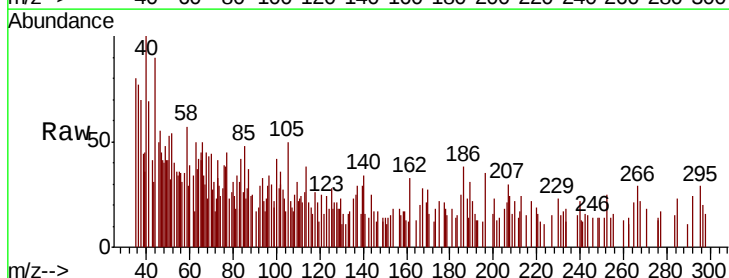
Tgt Ion: 49 Resp: 366

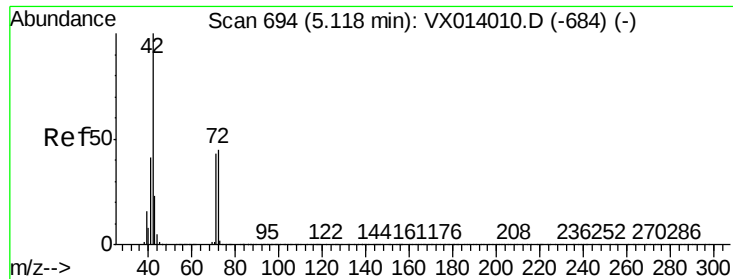
Ion Ratio Lower Upper

49 100

129 92.1 0.0 5.0#

130 0.0 64.6 97.0#

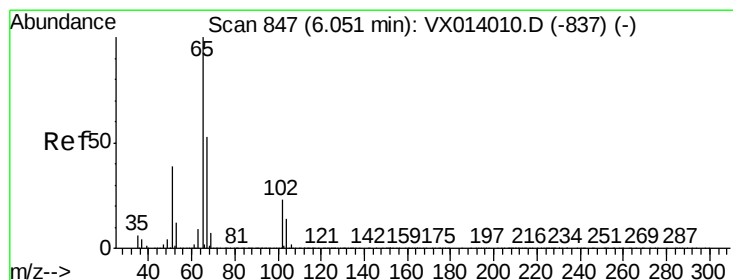
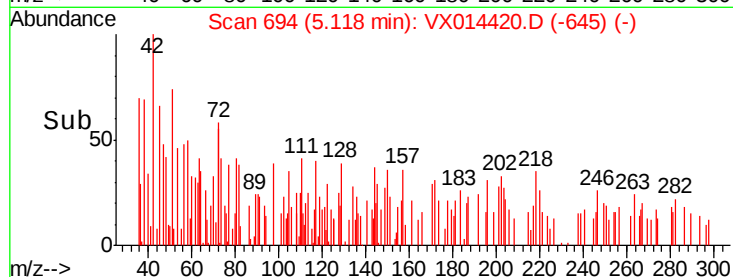
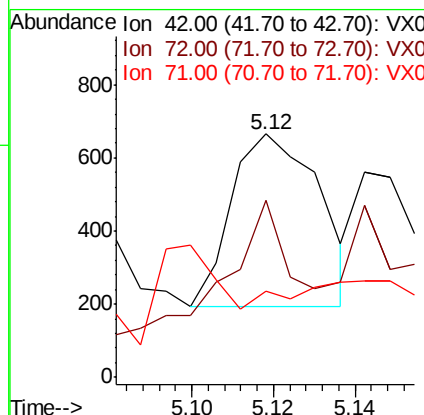
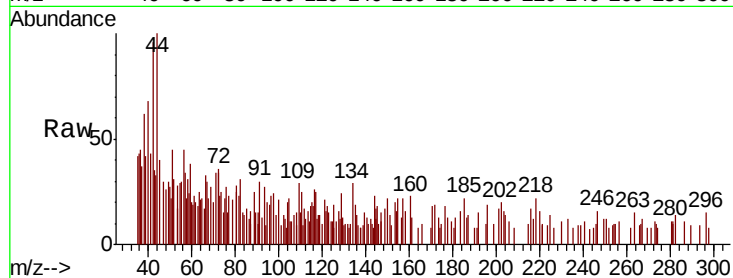




#29
Tetrahydrofuran
Concen: 0.246 ug/l
RT: 5.12 min Scan# 694
Delta R.T. 0.00 min
Lab File: VX014420.D
Acq: 06 Jan 2020 11:59

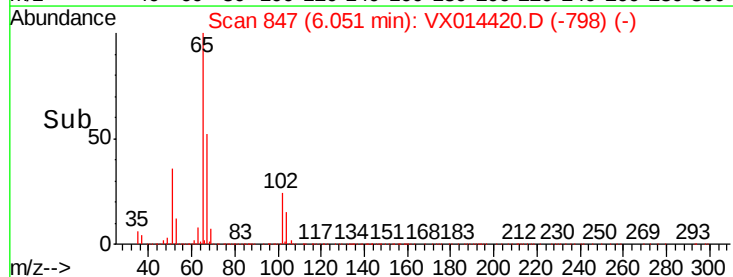
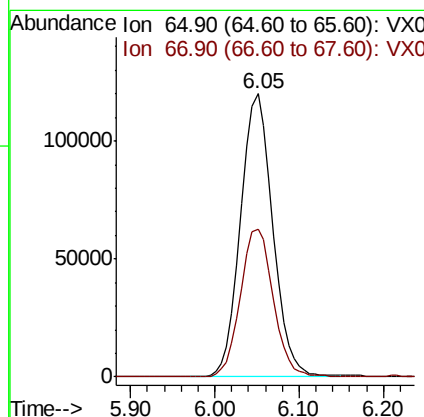
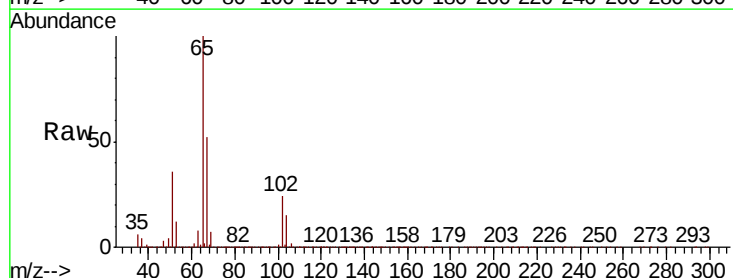
Instrument :
MSVOA_X
ClientSampled :

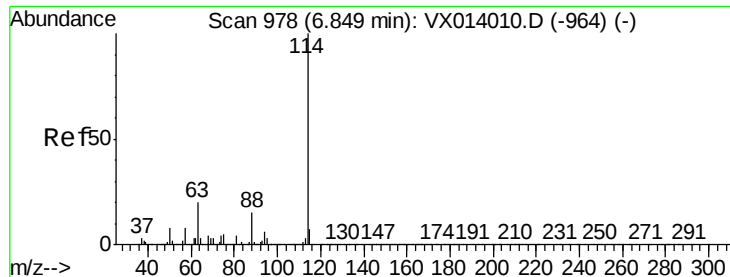
Tot Ion: 42 Resp: 710
Ion Ratio Lower Upper
42 100
72 90.1 35.8 53.8#
71 41.8 33.6 50.4



#33
1,2-Dichloroethane-d4
Concen: 47.866 ug/l
RT: 6.05 min Scan# 847
Delta R.T. 0.00 min
Lab File: VX014420.D
Acq: 06 Jan 2020 11:59

Tgt Ion: 65 Resp: 309014
Ion Ratio Lower Upper
65 100
67 53.2 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: VX014420.D

Acq: 06 Jan 2020 11:59

Instrument :

MSVOA_X

ClientSampleId :

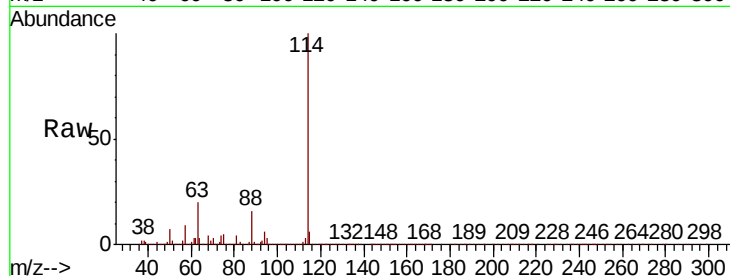
Tot Ion:114 Resp: 868061

Ion Ratio Lower Upper

114 100

63 19.9 0.0 40.8

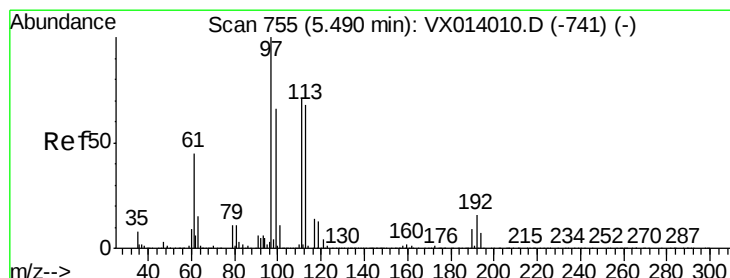
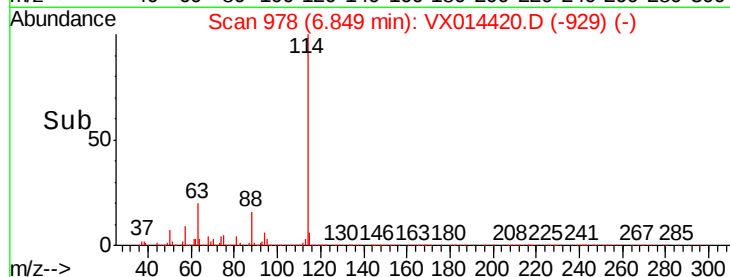
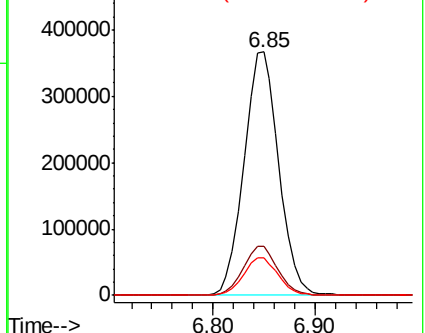
88 15.5 0.0 30.4



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: 49.324 ug/l

RT: 5.48 min Scan# 754

Delta R.T. -0.01 min

Lab File: VX014420.D

Acq: 06 Jan 2020 11:59

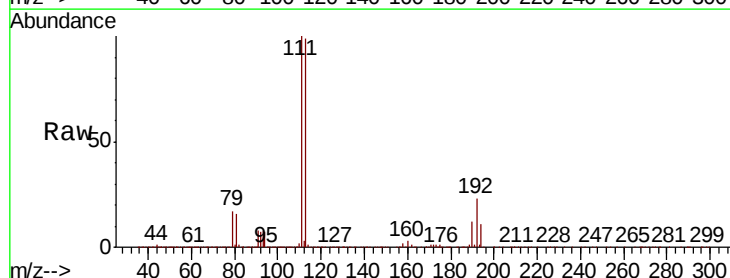
Tgt Ion:113 Resp: 260273

Ion Ratio Lower Upper

113 100

111 102.8 82.0 123.0

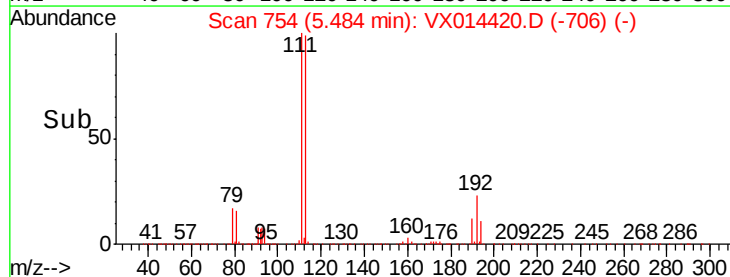
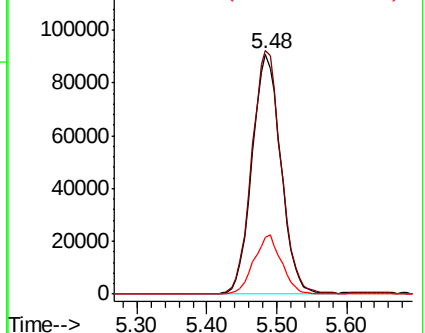
192 23.4 19.3 28.9

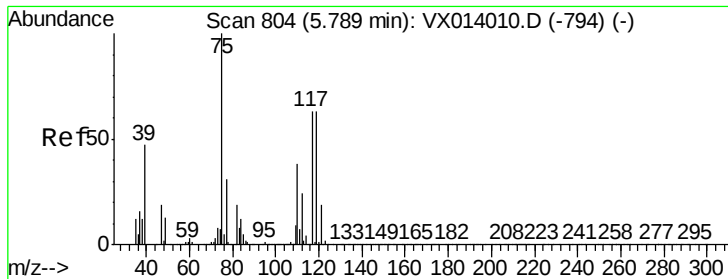


Abundance Ion 112.80 (112.50 to 113.50): V

Ion 110.80 (110.50 to 111.50): V

Ion 191.70 (191.40 to 192.40): V

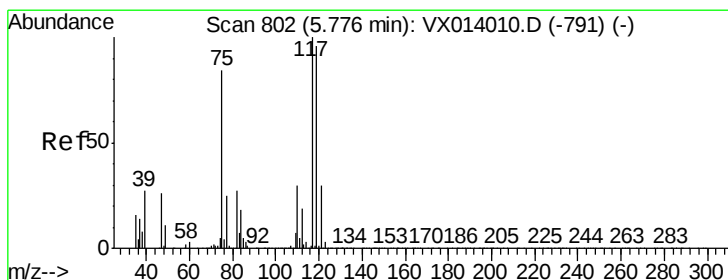
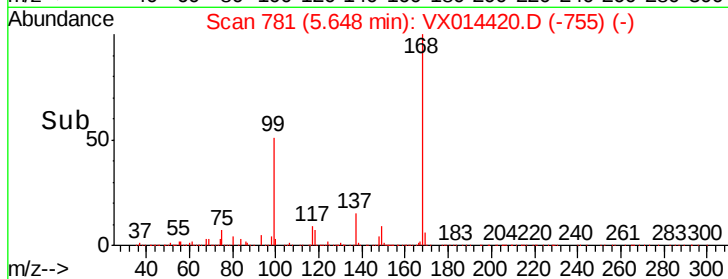
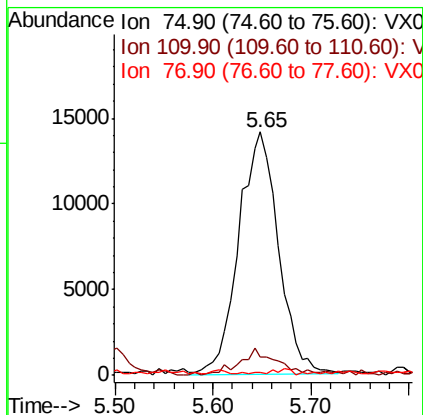
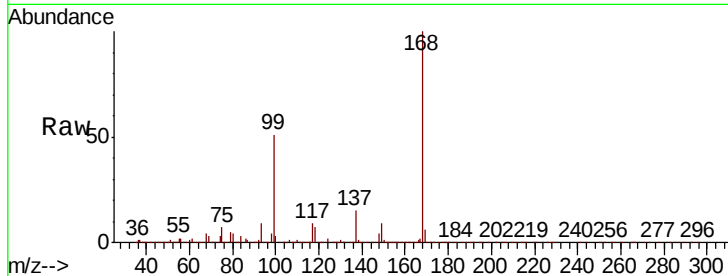




#36
 1,1-Dichloropropene
 Concen: 4.999 ug/l
 RT: 5.65 min Scan# 781
 Delta R.T. -0.14 min
 Lab File: VX014420.D
 Acq: 06 Jan 2020 11:59

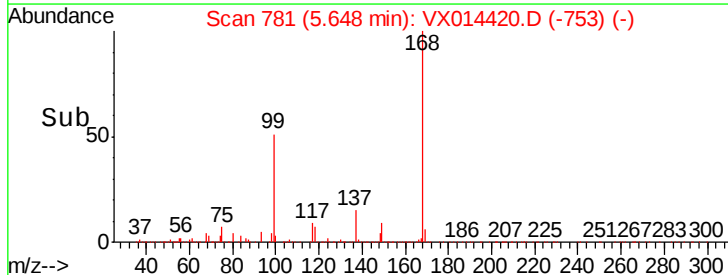
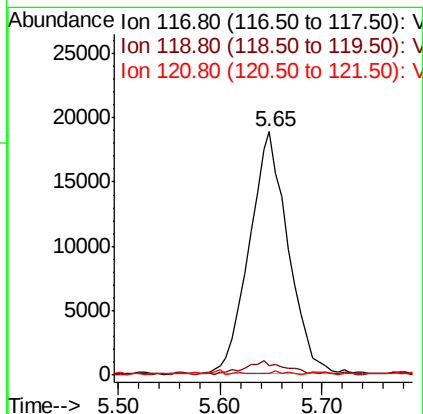
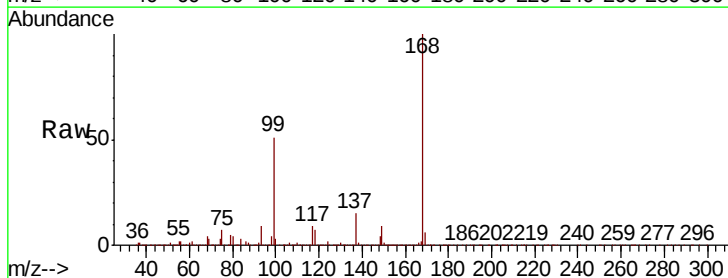
Instrument :
 MSVOA_X
 ClientSampleId :

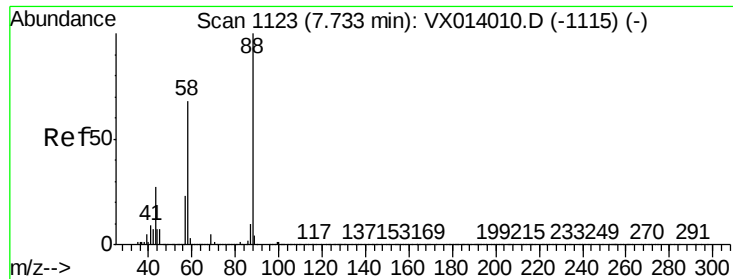
Tot Ion	Ratio	Lower	Upper
75	100		
110	11.5	18.3	54.9#
77	0.2	24.8	37.2#



#38
 Carbon Tetrachloride
 Concen: 6.856 ug/l
 RT: 5.65 min Scan# 781
 Delta R.T. -0.13 min
 Lab File: VX014420.D
 Acq: 06 Jan 2020 11:59

Tgt Ion	Ratio	Lower	Upper
117	100		
119	3.3	76.2	114.4#
121	0.5	23.6	35.4#

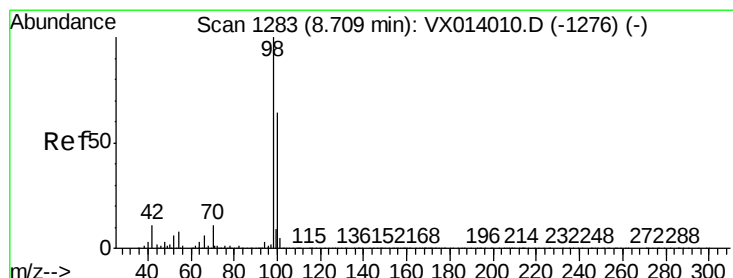
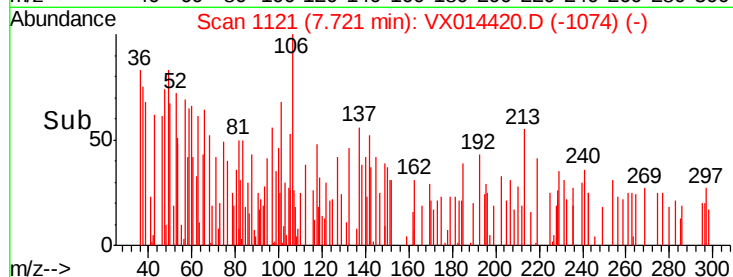
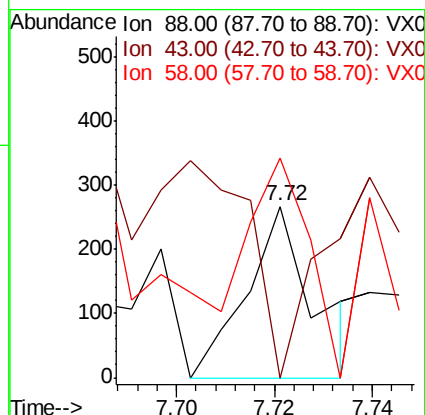
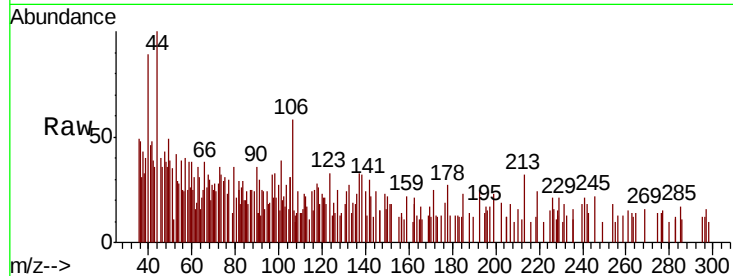




#49
1,4-Dioxane
Concen: 1.730 ug/l
RT: 7.72 min Scan# 1121
Delta R.T. -0.01 min
Lab File: VX014420.D
Acq: 06 Jan 2020 11:59

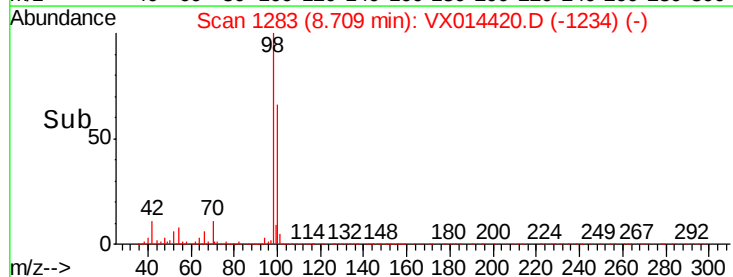
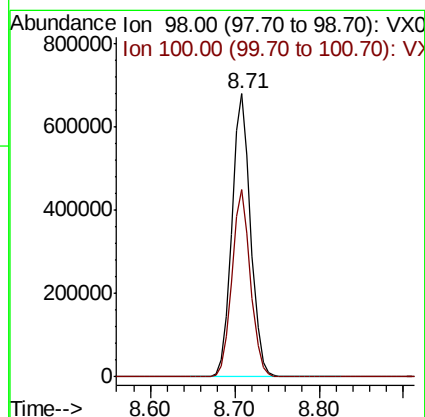
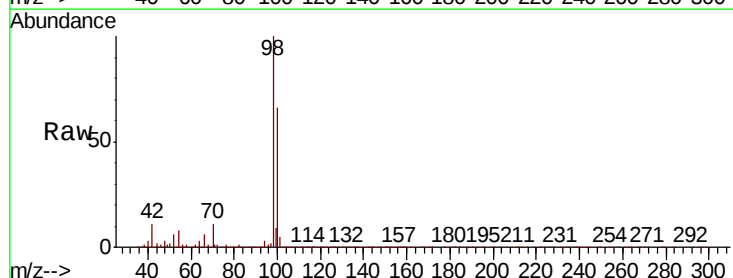
Instrument :
MSVOA_X
ClientSampled :

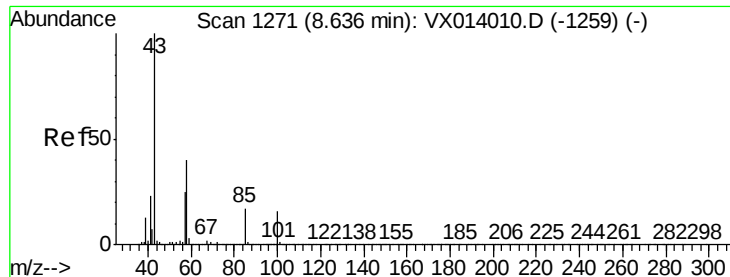
Tot Ion: 88 Resp: 251
Ion Ratio Lower Upper
88 100
43 0.0 26.5 39.7#
58 116.3 56.8 85.2#



#50
Toluene-d8
Concen: 50.119 ug/l
RT: 8.71 min Scan# 1283
Delta R.T. 0.00 min
Lab File: VX014420.D
Acq: 06 Jan 2020 11:59

Tgt Ion: 98 Resp: 1029658
Ion Ratio Lower Upper
98 100
100 65.3 52.9 79.3





#51

4-Methyl-2-Pentanone

Concen: 0.276 ug/l

RT: 8.64 min Scan# 1271

Delta R.T. 0.00 min

Lab File: VX014420.D

Acq: 06 Jan 2020 11:59

Instrument :

MSVOA_X

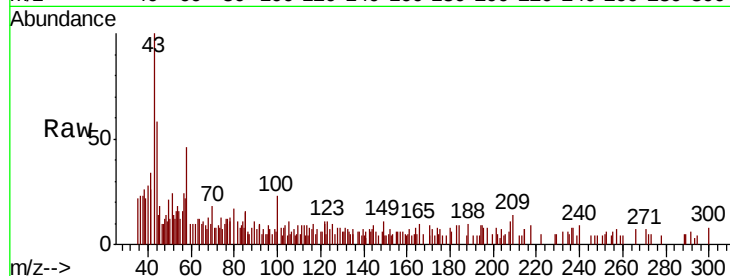
ClientSampleId :

Tot Ion: 43 Resp: 2524

Ion Ratio Lower Upper

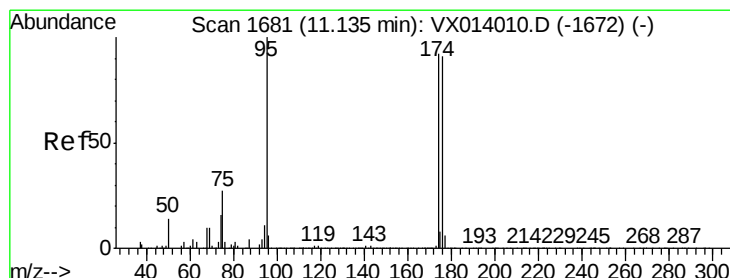
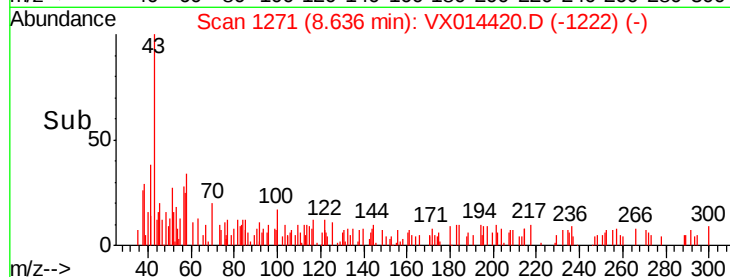
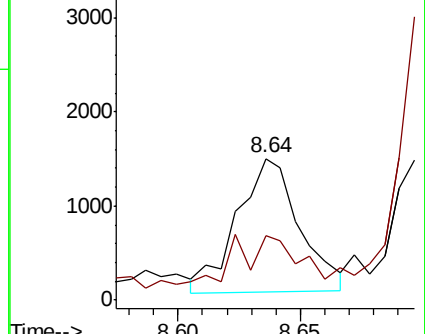
43 100

58 45.6 32.2 48.2



Abundance Ion 43.00 (42.70 to 43.70): VX0

Ion 58.00 (57.70 to 58.70): VX0



#62

4-Bromofluorobenzene

Concen: 47.259 ug/l

RT: 11.13 min Scan# 1680

Delta R.T. -0.01 min

Lab File: VX014420.D

Acq: 06 Jan 2020 11:59

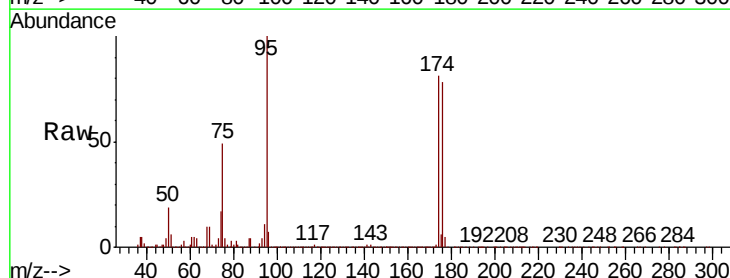
Tgt Ion: 95 Resp: 354906

Ion Ratio Lower Upper

95 100

174 90.0 0.0 175.8

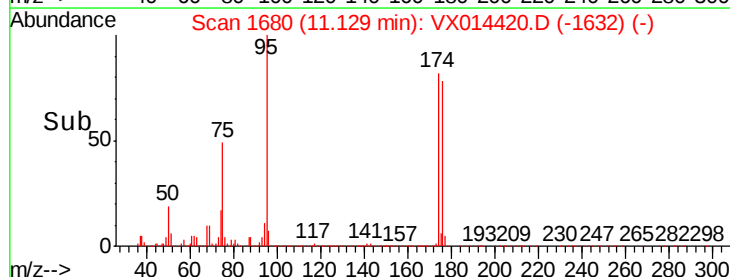
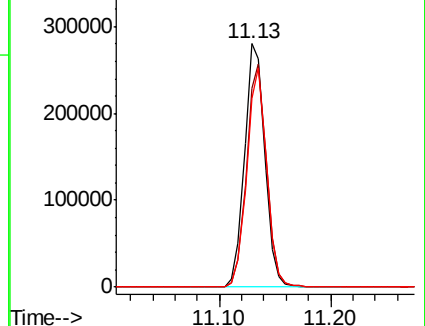
176 87.7 0.0 173.0

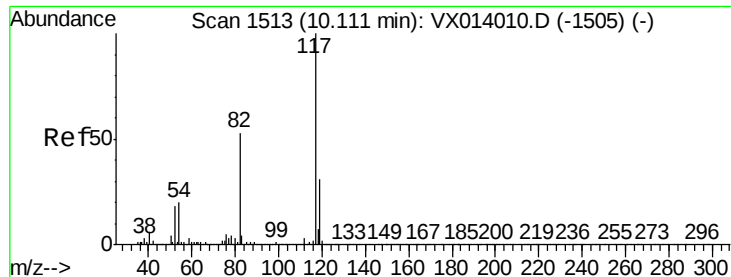


Abundance Ion 94.90 (94.60 to 95.60): VX0

Ion 173.80 (173.50 to 174.50): V

Ion 175.80 (175.50 to 176.50): V

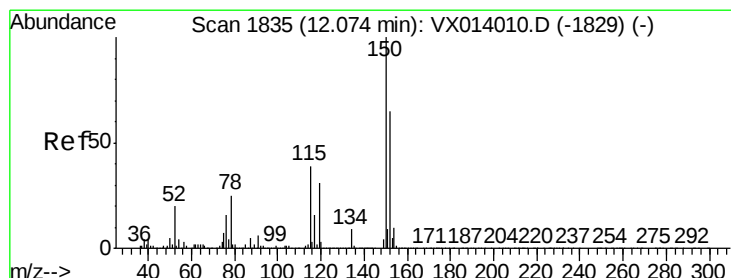
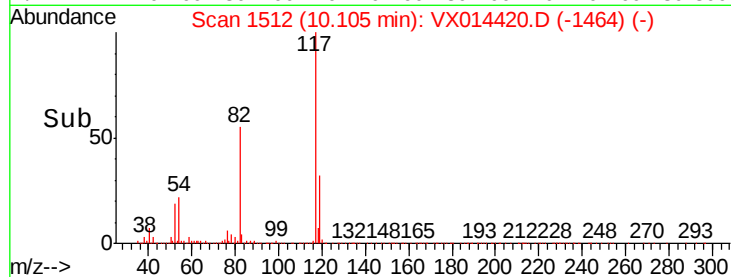
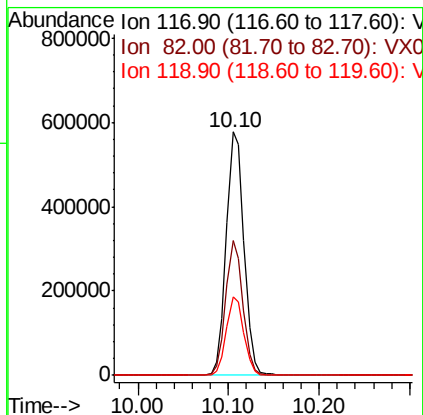
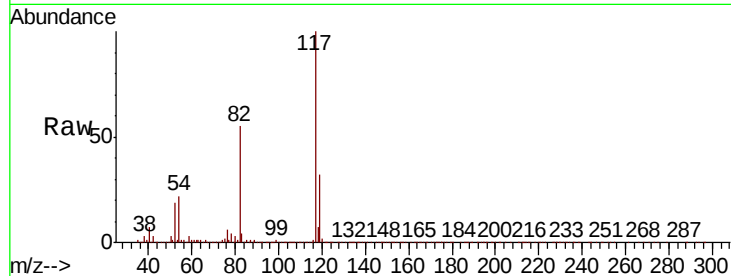




#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 10.10 min Scan# 1512
Delta R.T. -0.01 min
Lab File: VX014420.D
Acq: 06 Jan 2020 11:59

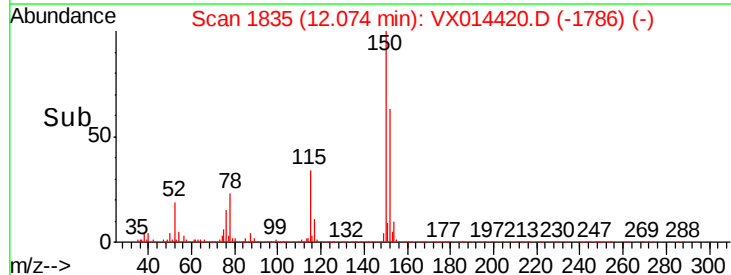
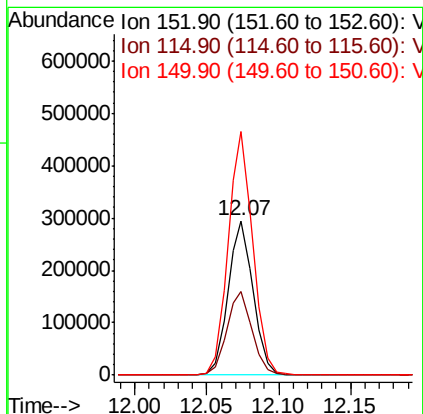
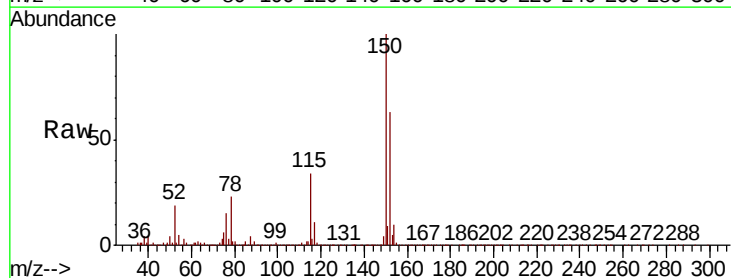
Instrument :
MSVOA_X
ClientSampleId :

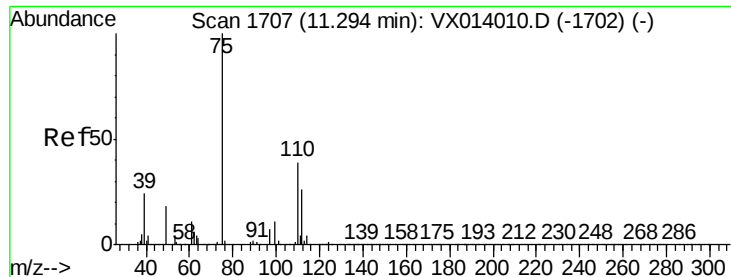
Tot Ion	Ratio	Lower	Upper
117	100		
82	55.2	42.2	63.4
119	32.0	25.1	37.7



#72
1,4-Dichlorobenzene-d4
Concen: 50.000 ug/l
RT: 12.07 min Scan# 1835
Delta R.T. 0.00 min
Lab File: VX014420.D
Acq: 06 Jan 2020 11:59

Tgt Ion	Ratio	Lower	Upper
152	100		
115	54.6	38.3	114.9
150	155.4	0.0	345.4





#76

1,2,3-Trichloropropane

Concen: 21.901 ug/l

RT: 11.13 min Scan# 1680

Delta R.T. -0.16 min

Lab File: VX014420.D

Acq: 06 Jan 2020 11:59

Instrument :

MSVOA_X

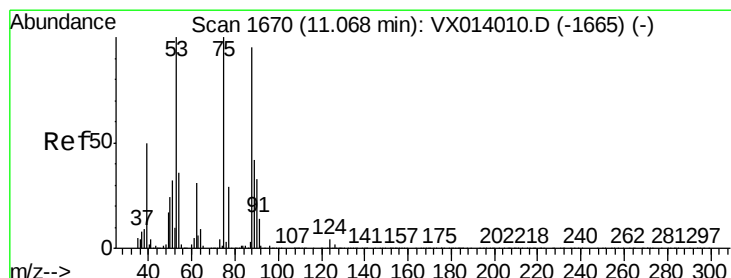
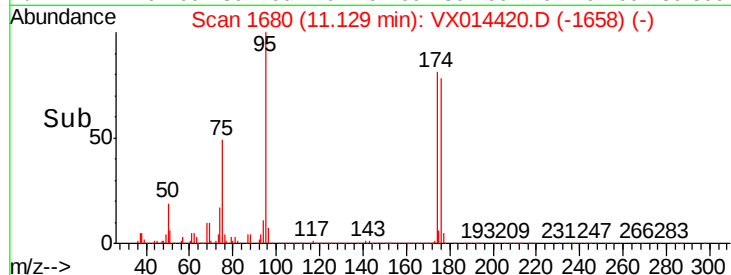
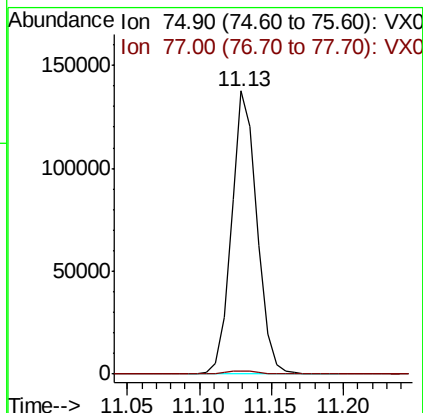
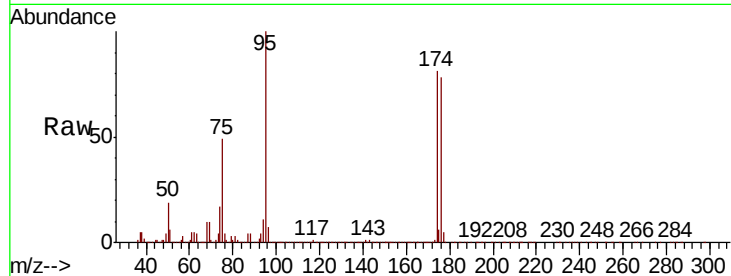
ClientSampleId :

Tot Ion: 75 Resp: 171063

Ion Ratio Lower Upper

75 100

77 1.6 19.3 57.8#



#81

trans-1,4-Dichloro-2-butene

Concen: 61.815 ug/l

RT: 11.13 min Scan# 1680

Delta R.T. 0.06 min

Lab File: VX014420.D

Acq: 06 Jan 2020 11:59

Tgt Ion: 75 Resp: 171063

Ion Ratio Lower Upper

75 100

53 0.3 76.7 115.1#

89 0.2 34.6 51.8#

