

Data Path : Z:\VOASRV\HPCHEM1\MSVOA X\DATA\VX121919\
 Data File : VX014121.D
 Acq On : 19 Dec 2019 15:28
 Operator : JC/SP
 Sample : K6369-04
 Misc : 5.0mL/MSVOA X/WATER
 ALS Vial : 12 Sample Multiplier: 1

Instrument :
 MSVOA_X
 ClientSampleId :

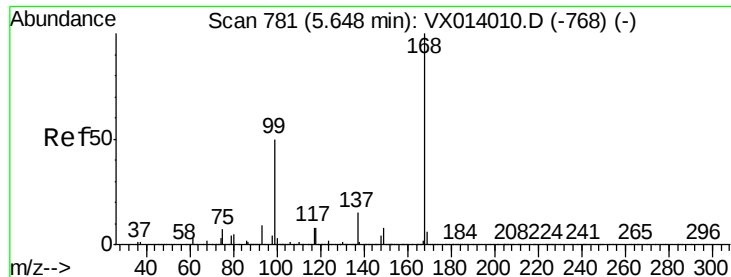
Quant Time: Dec 20 00:59:40 2019
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_X\METHOD\82X121319W.M
 Quant Title : SW846 8260
 QLast Update : Tue Dec 17 03:01:07 2019
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Pentafluorobenzene	5.65	168	555498	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	6.85	114	850315	50.00	ug/l	0.00
63) Chlorobenzene-d5	10.11	117	749922	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	12.07	152	331570	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	310122	49.26	ug/l	0.00
Spiked Amount			Recovery	=	98.52%	
35) Dibromofluoromethane	5.49	113	254791	49.29	ug/l	0.00
Spiked Amount			Recovery	=	98.58%	
50) Toluene-d8	8.71	98	1004020	49.89	ug/l	0.00
Spiked Amount			Recovery	=	99.78%	
62) 4-Bromofluorobenzene	11.13	95	335785	45.65	ug/l	0.00
Spiked Amount			Recovery	=	91.30%	

Target Compounds	R.T.	QIon	Response	Conc	Units	Qvalue
3) Chloromethane	1.32	50	1676	0.251	ug/l #	69
4) Vinyl Chloride	1.40	62	2588	0.368	ug/l	97
10) Methyl Iodide	2.50	142	522	2.692	ug/l #	20
11) Tert butyl alcohol	3.03	59	2991	2.199	ug/l #	82
16) Acetone	2.43	43	16368	4.005	ug/l	91
17) Carbon Disulfide	2.56	76	2796	0.936	ug/l #	78
25) 2-Butanone	4.69	43	2046	0.406	ug/l #	76
28) Bromochloromethane	5.01	49	246	0.514	ug/l #	12
36) 1,1-Dichloropropene	5.65	75	38849	4.979	ug/l #	49
38) Carbon Tetrachloride	5.65	117	46967	6.608	ug/l #	15
49) 1,4-Dioxane	7.74	88	228	1.605	ug/l #	1
76) 1,2,3-Trichloropropane	11.13	75	162275	22.543	ug/l #	39
81) trans-1,4-Dichloro-2-buten	11.13	75	162275	63.629	ug/l #	12

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

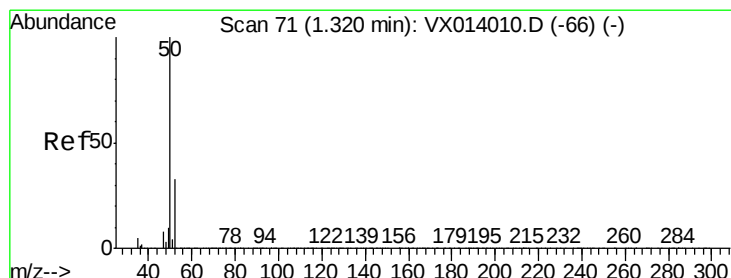
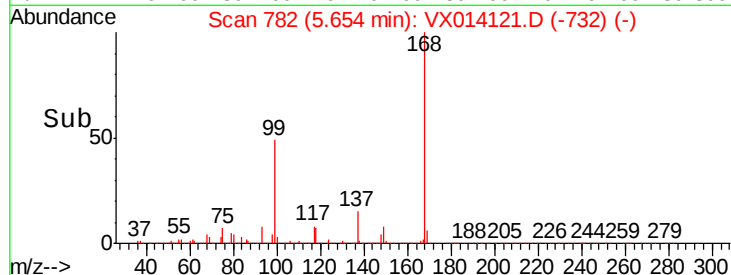
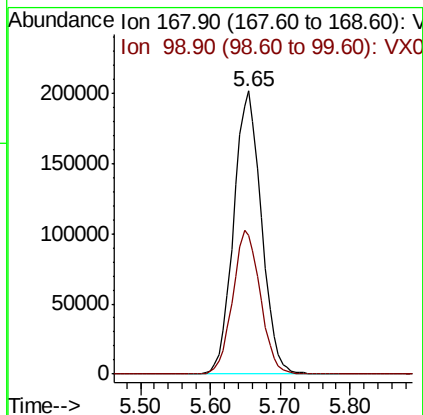
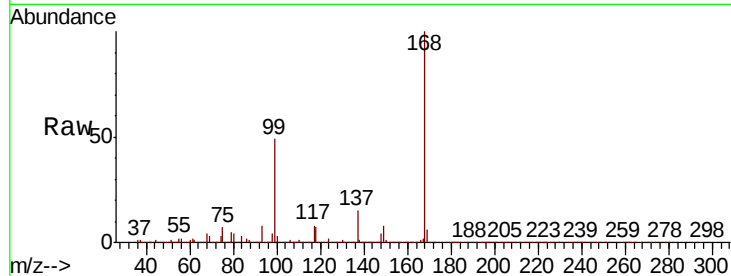


#1

Pentafluorobenzene
 Concen: 50.000 ug/l
 RT: 5.65 min Scan# 782
 Delta R.T. 0.01 min
 Lab File: VX014121.D
 Acq: 19 Dec 2019 15:28

Instrument :
 MSVOA_X
 ClientSampled :

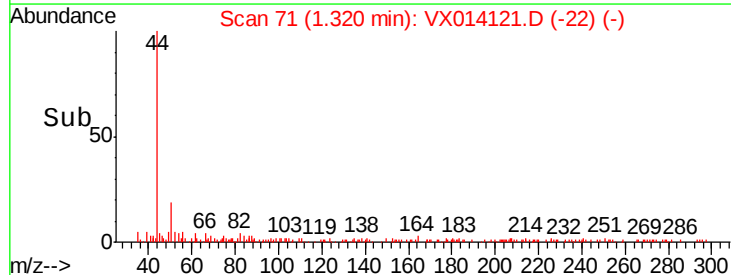
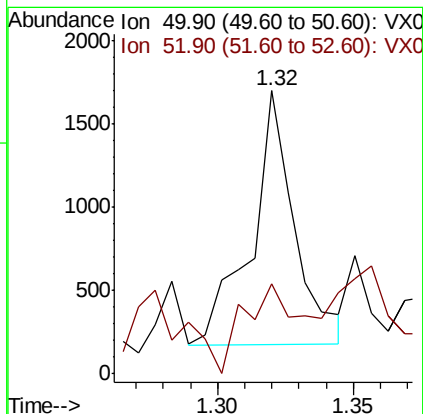
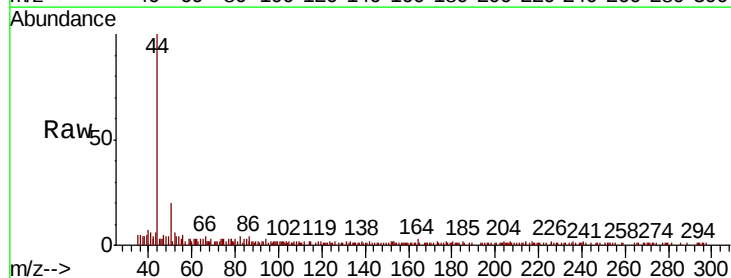
Tot Ion:168 Resp: 555498
 Ion Ratio Lower Upper
 168 100
 99 48.8 40.3 60.5

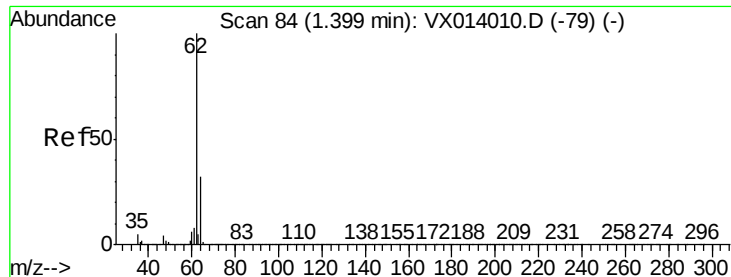


#3

Chloromethane
 Concen: 0.251 ug/l
 RT: 1.32 min Scan# 71
 Delta R.T. 0.00 min
 Lab File: VX014121.D
 Acq: 19 Dec 2019 15:28

Tgt Ion: 50 Resp: 1676
 Ion Ratio Lower Upper
 50 100
 52 15.3 26.2 39.4#





#4

Vinyl Chloride

Concen: 0.368 ug/l

RT: 1.40 min Scan# 84

Delta R.T. 0.00 min

Lab File: VX014121.D

Acq: 19 Dec 2019 15:28

Instrument :

MSVOA_X

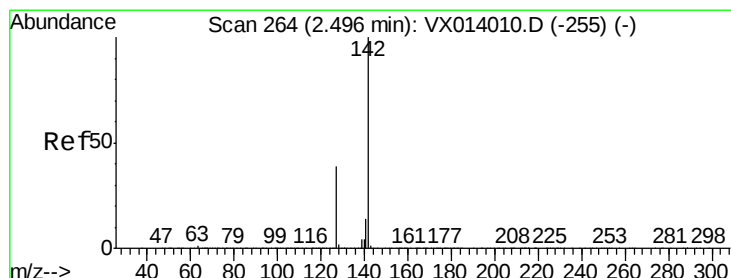
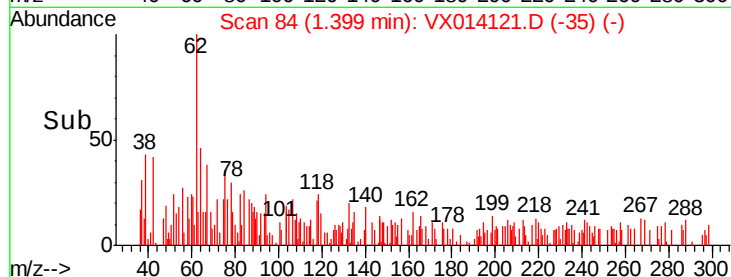
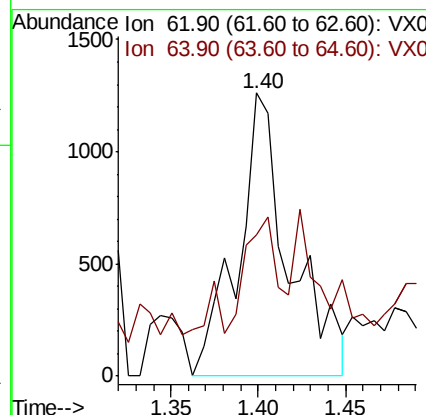
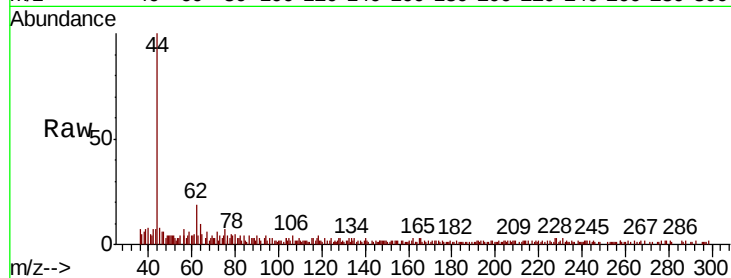
ClientSampled :

Tot Ion: 62 Resp: 2588

Ion Ratio Lower Upper

62 100

64 33.5 25.7 38.5



#10

Methyl Iodide

Concen: 2.692 ug/l

RT: 2.50 min Scan# 265

Delta R.T. 0.01 min

Lab File: VX014121.D

Acq: 19 Dec 2019 15:28

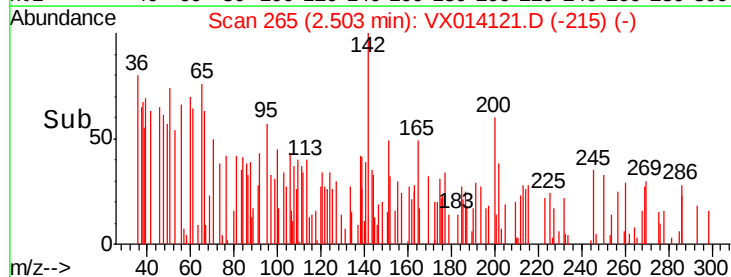
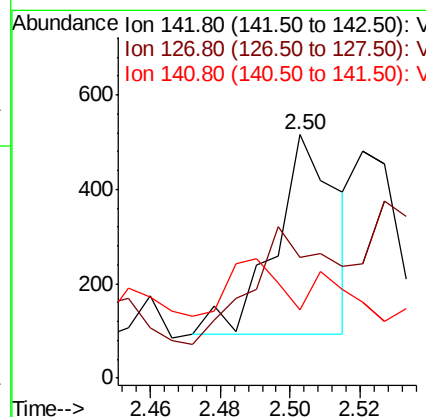
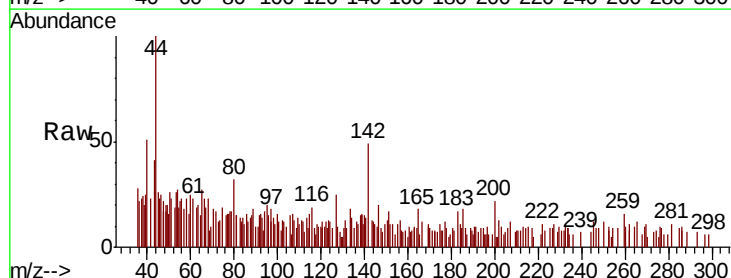
Tgt Ion: 142 Resp: 522

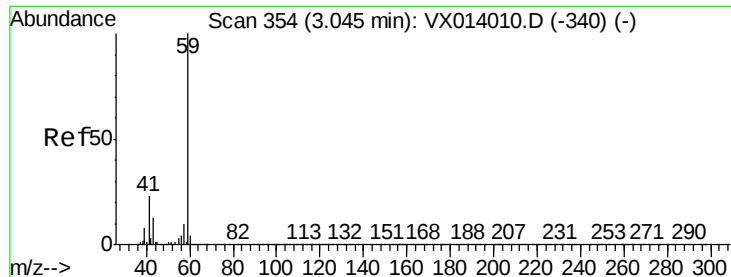
Ion Ratio Lower Upper

142 100

127 81.0 31.6 47.4#

141 61.3 11.6 17.4#



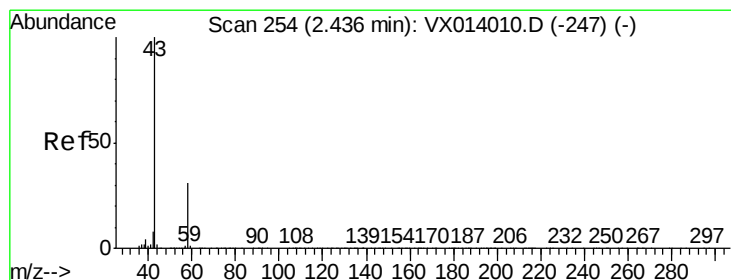
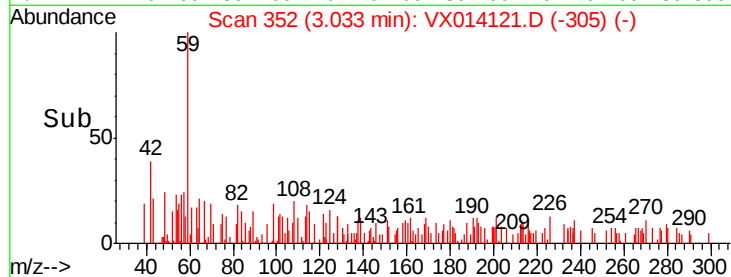
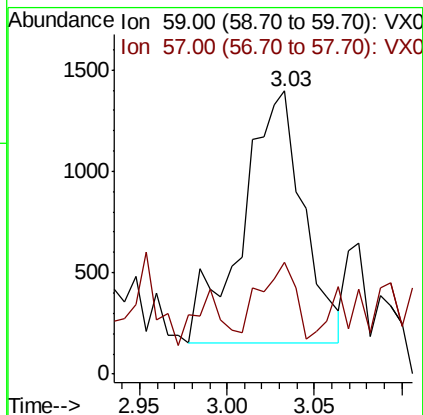
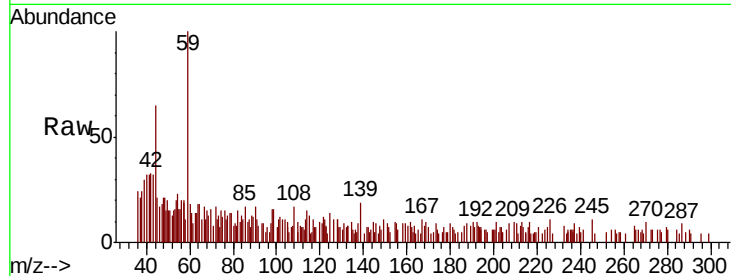


#11

Tert butyl alcohol
 Concen: 2.199 ug/l
 RT: 3.03 min Scan# 352
 Delta R.T. -0.01 min
 Lab File: VX014121.D
 Acq: 19 Dec 2019 15:28

Instrument :
 MSVOA_X
 ClientSampleId :

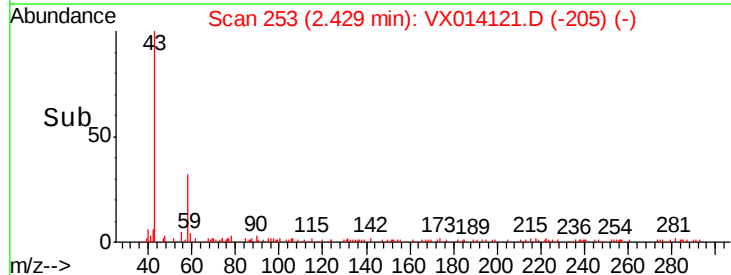
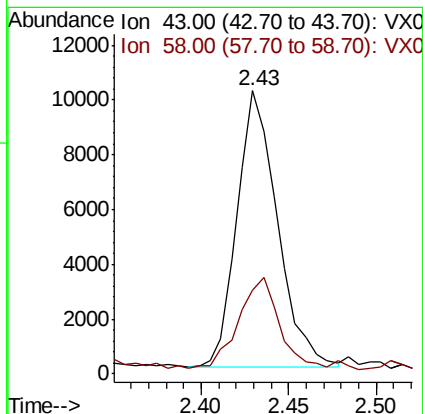
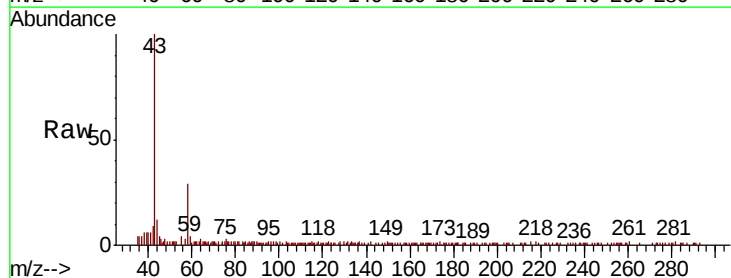
Tot Ion: 59 Resp: 2991
 Ion Ratio Lower Upper
 59 100
 57 17.3 8.4 12.6#

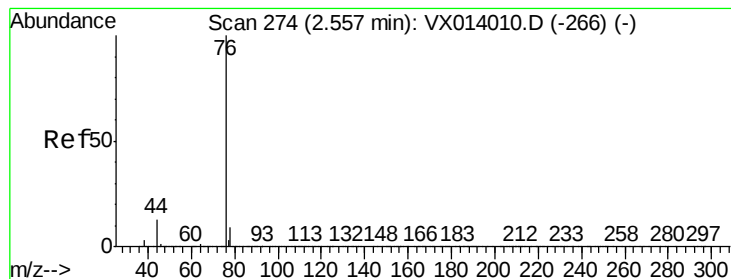


#16

Acetone
 Concen: 4.005 ug/l
 RT: 2.43 min Scan# 253
 Delta R.T. -0.01 min
 Lab File: VX014121.D
 Acq: 19 Dec 2019 15:28

Tgt Ion: 43 Resp: 16368
 Ion Ratio Lower Upper
 43 100
 58 26.4 24.9 37.3





#17

Carbon Disulfide

Concen: 0.936 ug/l

RT: 2.56 min Scan# 275

Delta R.T. 0.01 min

Lab File: VX014121.D

Acq: 19 Dec 2019 15:28

Instrument :

MSVOA_X

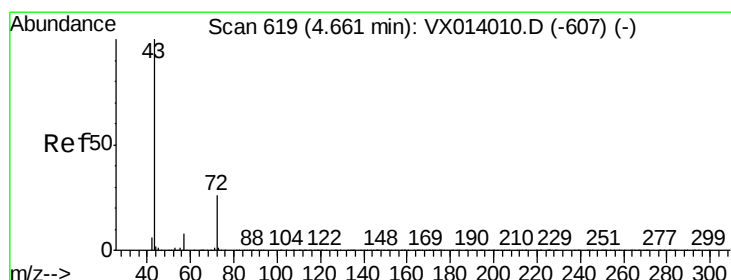
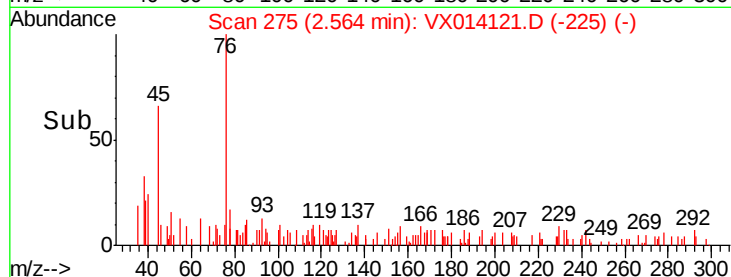
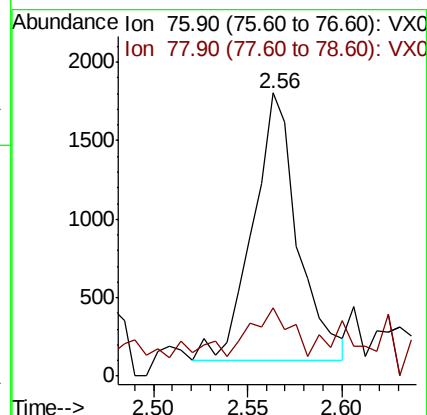
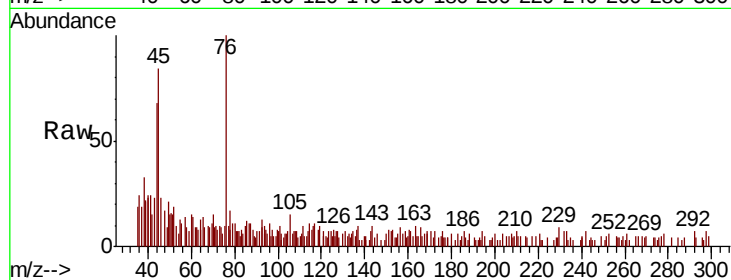
ClientSampleId :

Tot Ion: 76 Resp: 2796

Ion Ratio Lower Upper

76 100

78 16.8 7.2 10.8#



#25

2-Butanone

Concen: 0.406 ug/l

RT: 4.69 min Scan# 623

Delta R.T. 0.02 min

Lab File: VX014121.D

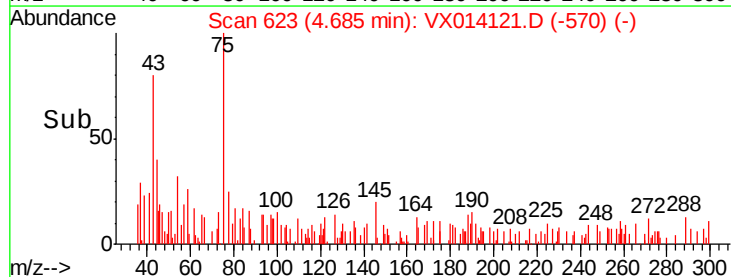
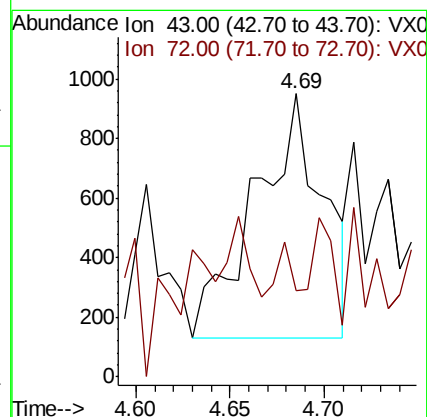
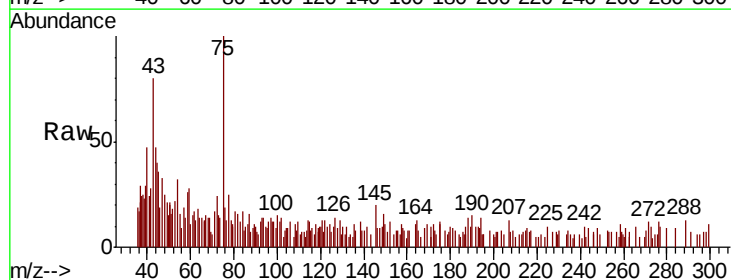
Acq: 19 Dec 2019 15:28

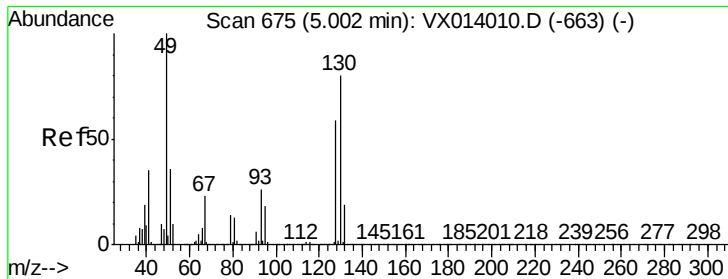
Tgt Ion: 43 Resp: 2046

Ion Ratio Lower Upper

43 100

72 13.9 21.0 31.4#





#28

Bromochloromethane

Concen: 0.514 ug/l

RT: 5.01 min Scan# 677

Delta R.T. 0.01 min

Lab File: VX014121.D

Acq: 19 Dec 2019 15:28

Instrument :

MSVOA_X

ClientSampled :

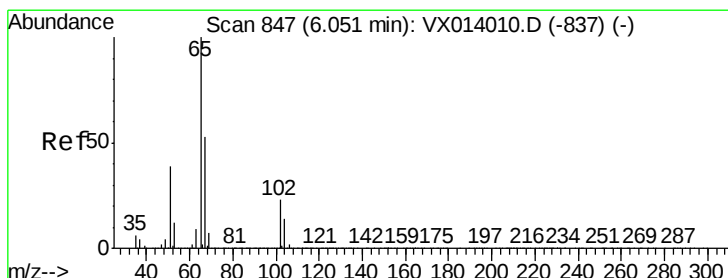
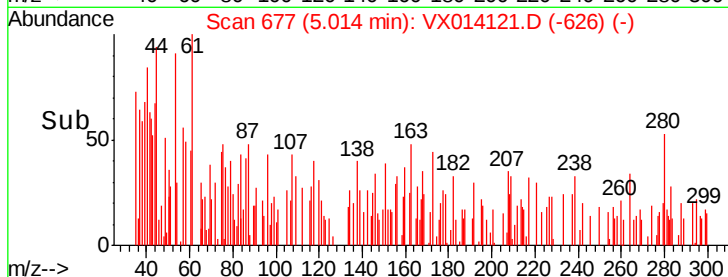
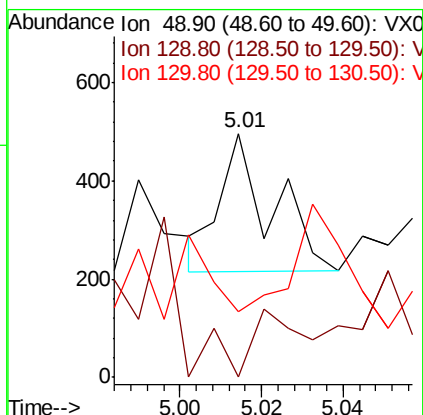
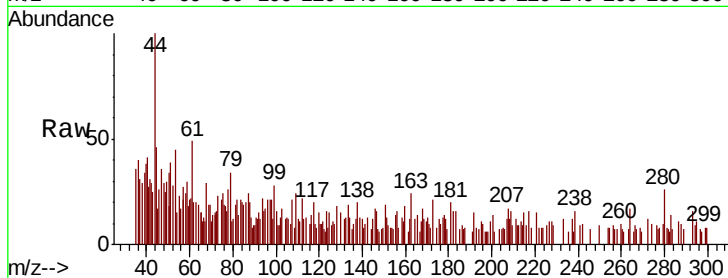
Tot Ion: 49 Resp: 246

Ion Ratio Lower Upper

49 100

129 47.2 0.0 5.0#

130 158.1 64.6 97.0#



#33

1,2-Dichloroethane-d4

Concen: 49.259 ug/l

RT: 6.05 min Scan# 847

Delta R.T. 0.00 min

Lab File: VX014121.D

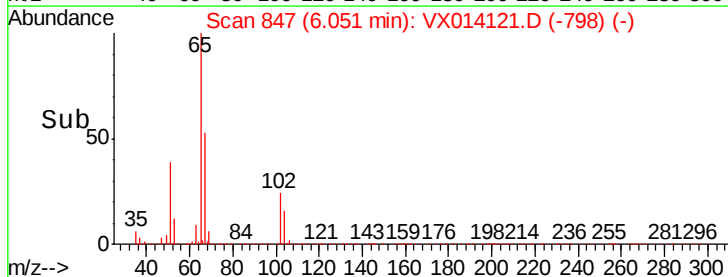
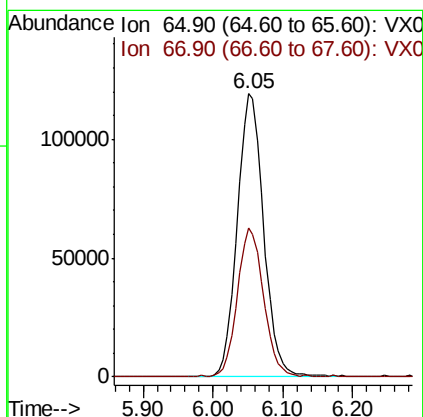
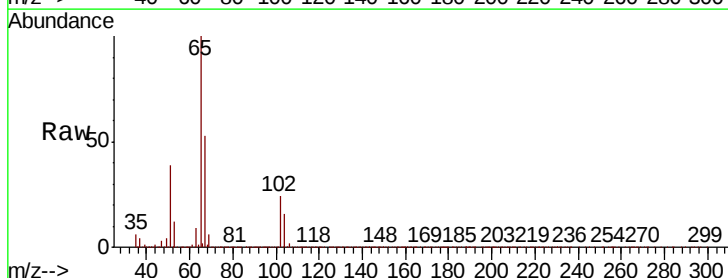
Acq: 19 Dec 2019 15:28

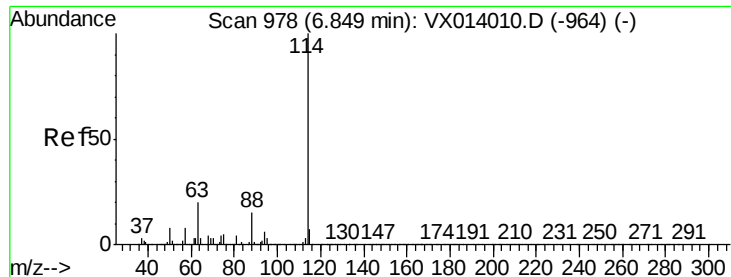
Tgt Ion: 65 Resp: 310122

Ion Ratio Lower Upper

65 100

67 52.2 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: VX014121.D

Acq: 19 Dec 2019 15:28

Instrument :

MSVOA_X

ClientSampleId :

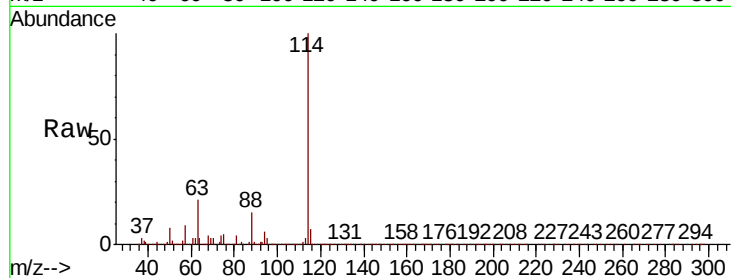
Tot Ion:114 Resp: 850315

Ion Ratio Lower Upper

114 100

63 20.4 0.0 40.8

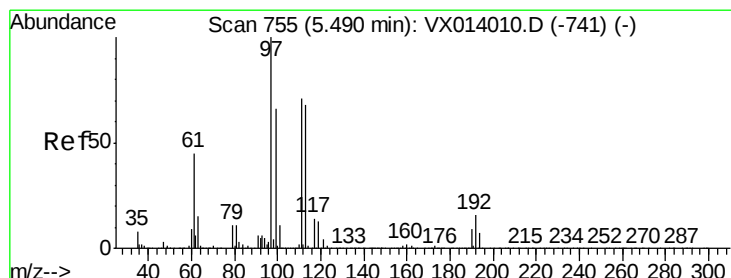
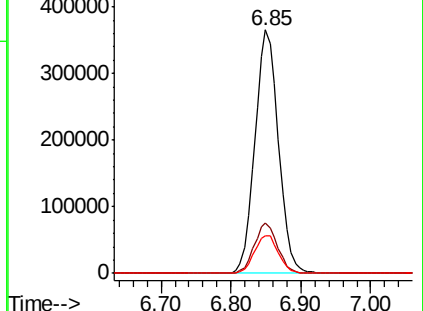
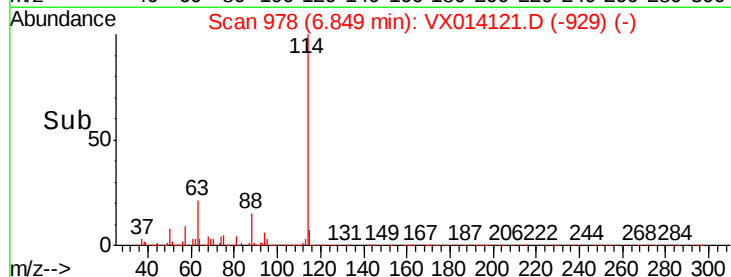
88 15.4 0.0 30.4



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: 49.292 ug/l

RT: 5.49 min Scan# 755

Delta R.T. 0.00 min

Lab File: VX014121.D

Acq: 19 Dec 2019 15:28

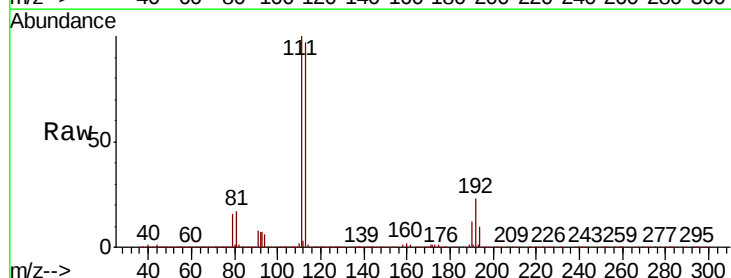
Tgt Ion:113 Resp: 254791

Ion Ratio Lower Upper

113 100

111 102.8 82.0 123.0

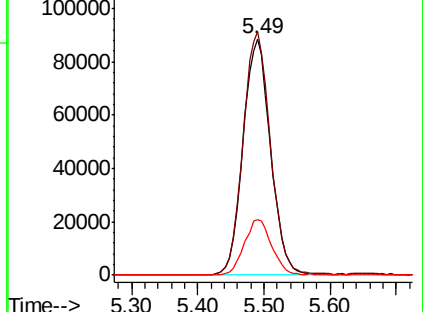
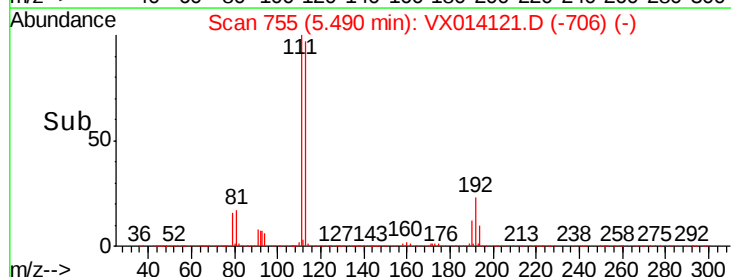
192 23.7 19.3 28.9

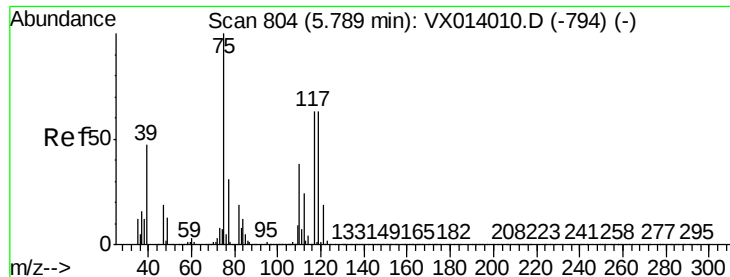


Abundance Ion 112.80 (112.50 to 113.50): V

Ion 110.80 (110.50 to 111.50): V

Ion 191.70 (191.40 to 192.40): V

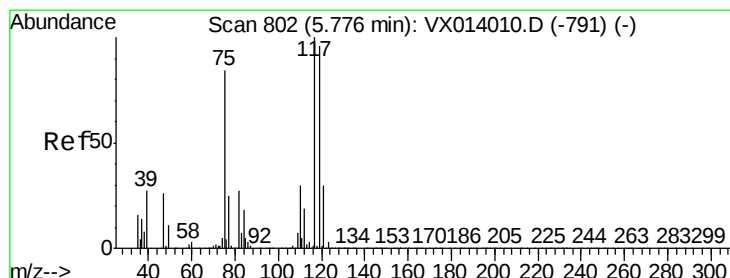
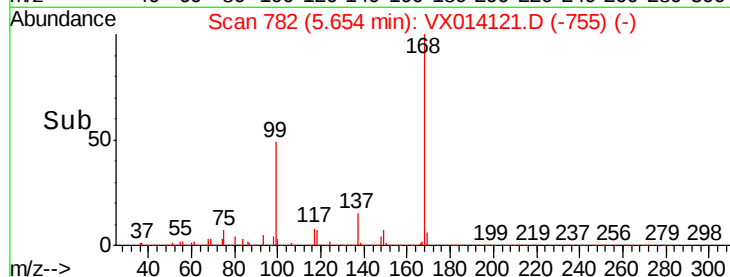
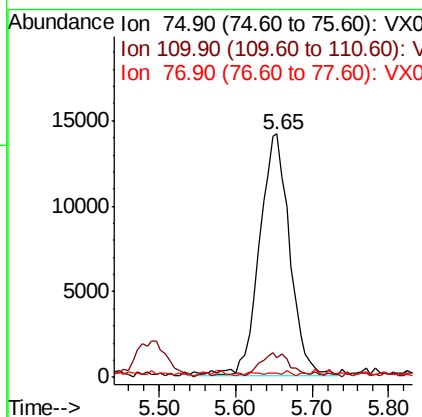
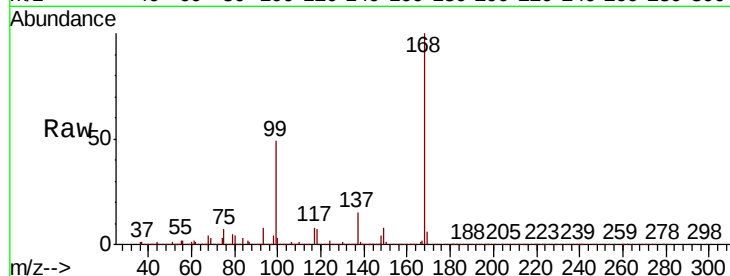




#36
 1,1-Dichloropropene
 Concen: 4.979 ug/l
 RT: 5.65 min Scan# 782
 Delta R.T. -0.13 min
 Lab File: VX014121.D
 Acq: 19 Dec 2019 15:28

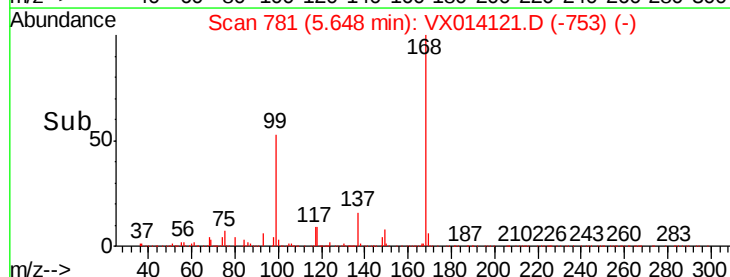
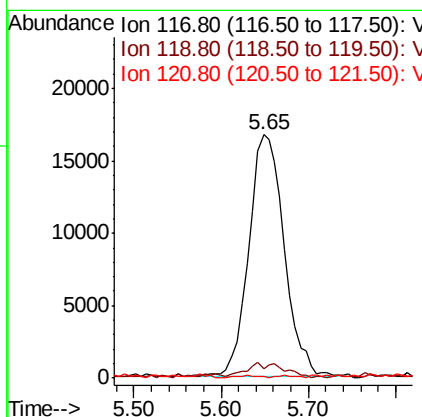
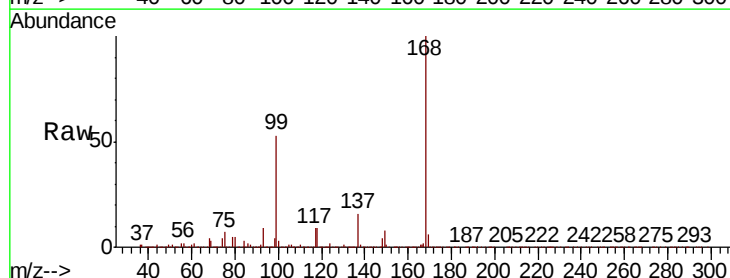
Instrument :
 MSVOA_X
 ClientSampleId :

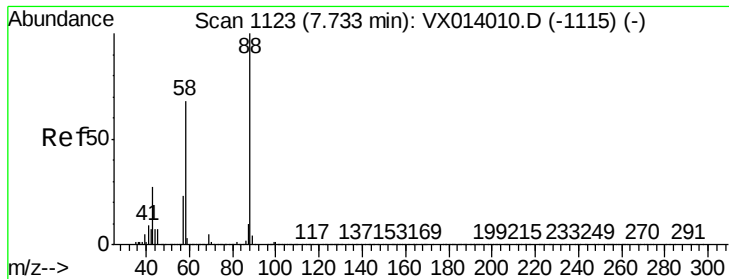
Tot Ion	Ratio	Lower	Upper
75	100		
110	8.9	18.3	54.9#
77	0.4	24.8	37.2#



#38
 Carbon Tetrachloride
 Concen: 6.608 ug/l
 RT: 5.65 min Scan# 781
 Delta R.T. -0.13 min
 Lab File: VX014121.D
 Acq: 19 Dec 2019 15:28

Tgt Ion	Ratio	Lower	Upper
117	100		
119	2.9	76.2	114.4#
121	0.1	23.6	35.4#





#49

1,4-Dioxane

Concen: 1.605 ug/l

RT: 7.74 min Scan# 1124

Delta R.T. 0.01 min

Lab File: VX014121.D

Acq: 19 Dec 2019 15:28

Instrument :

MSVOA_X

ClientSampleId :

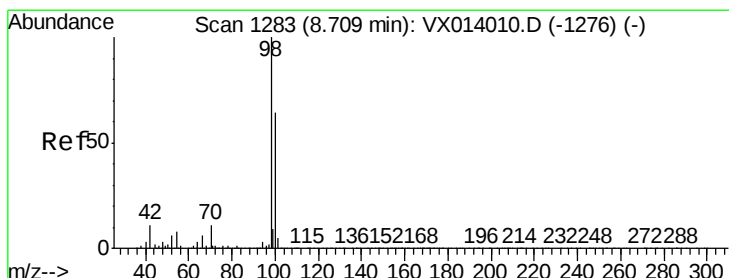
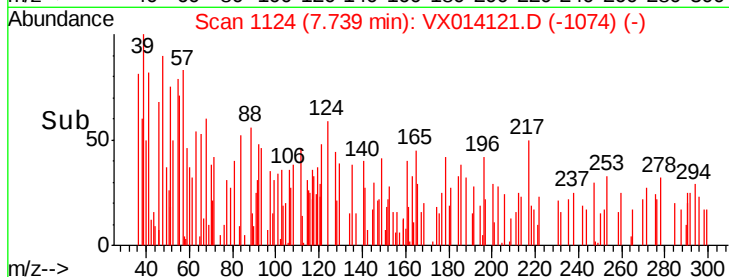
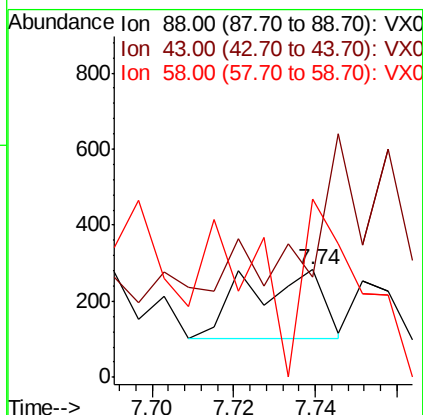
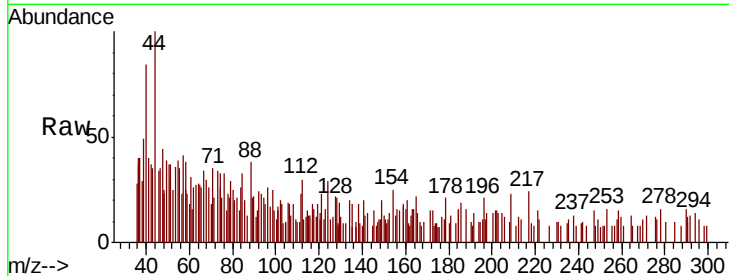
Tot Ion: 88 Resp: 228

Ion Ratio Lower Upper

88 100

43 185.1 26.5 39.7#

58 201.8 56.8 85.2#



#50

Toluene-d8

Concen: 49.891 ug/l

RT: 8.71 min Scan# 1283

Delta R.T. 0.00 min

Lab File: VX014121.D

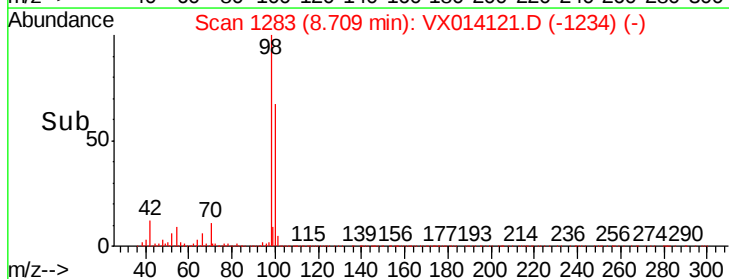
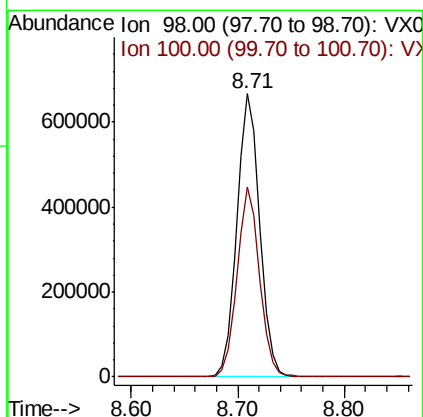
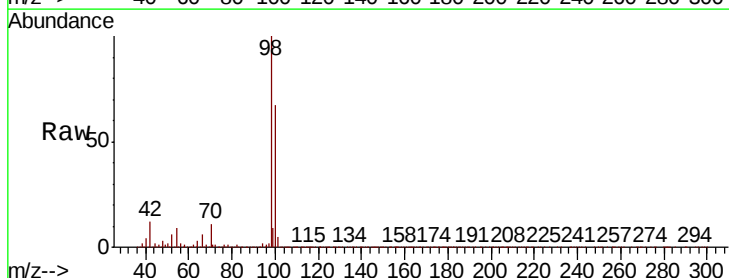
Acq: 19 Dec 2019 15:28

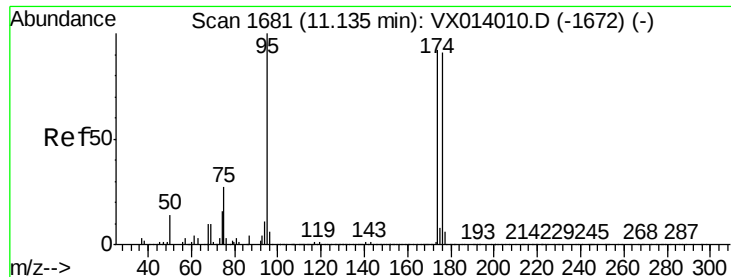
Tgt Ion: 98 Resp: 1004020

Ion Ratio Lower Upper

98 100

100 65.6 52.9 79.3





#62

4-Bromofluorobenzene

Concen: 45.646 ug/l

RT: 11.13 min Scan# 1680

Delta R.T. -0.01 min

Lab File: VX014121.D

Acq: 19 Dec 2019 15:28

Instrument :

MSVOA_X

ClientSampleId :

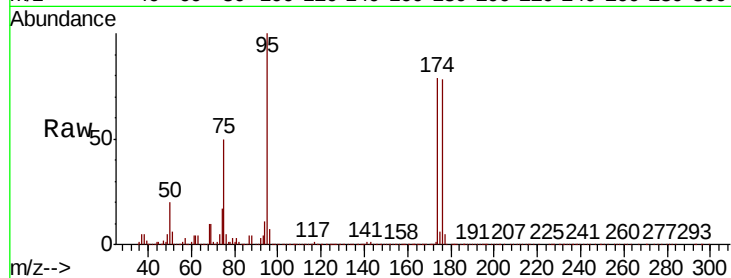
Tot Ion: 95 Resp: 335785

Ion Ratio Lower Upper

95 100

174 87.7 0.0 175.8

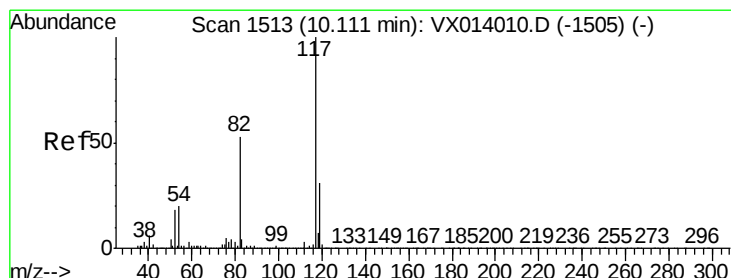
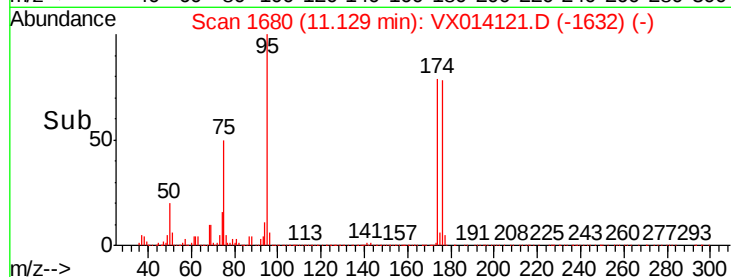
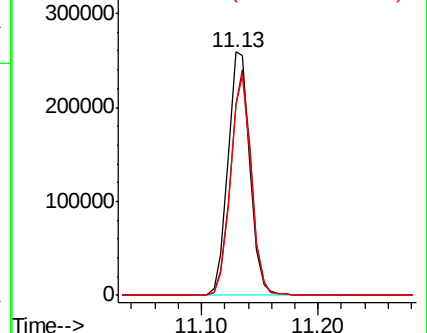
176 85.6 0.0 173.0



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: 10.11 min Scan# 1513

Delta R.T. 0.00 min

Lab File: VX014121.D

Acq: 19 Dec 2019 15:28

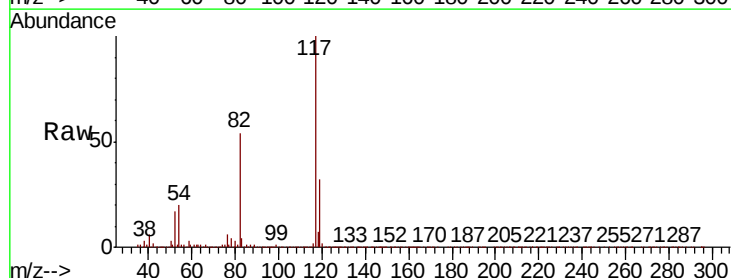
Tgt Ion: 117 Resp: 749922

Ion Ratio Lower Upper

117 100

82 54.1 42.2 63.4

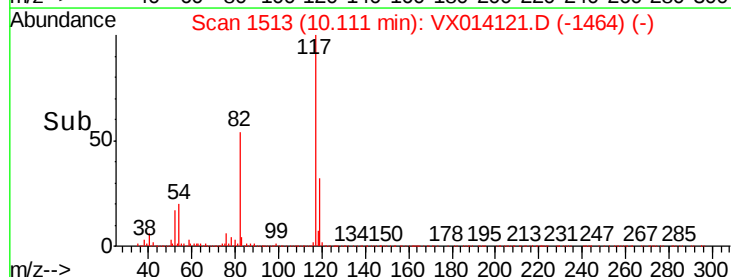
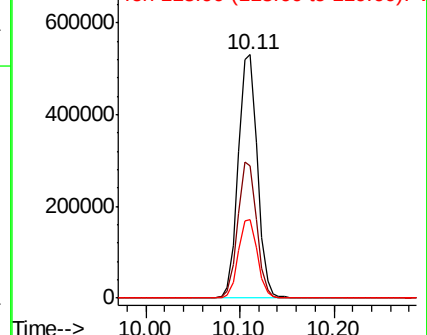
119 32.3 25.1 37.7

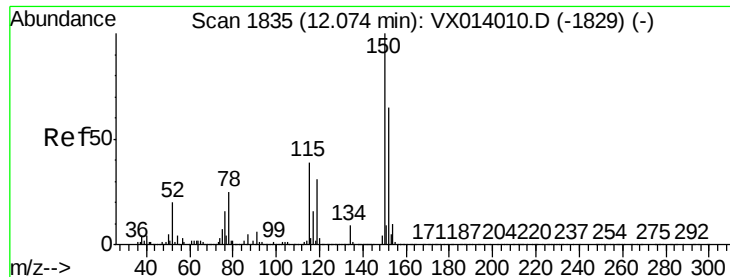


Abundance Ion 116.90 (116.60 to 117.60): V

Ion 82.00 (81.70 to 82.70): VX0

Ion 118.90 (118.60 to 119.60): V



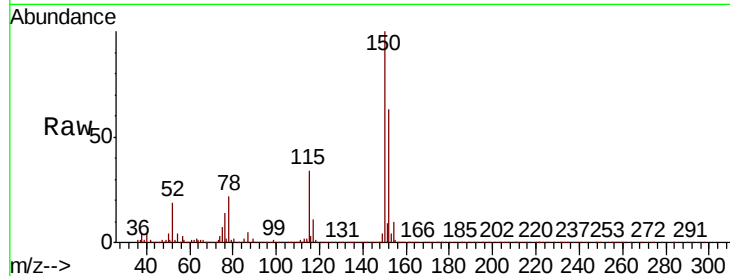


#72

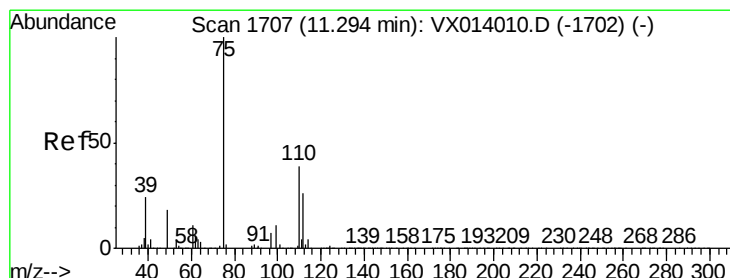
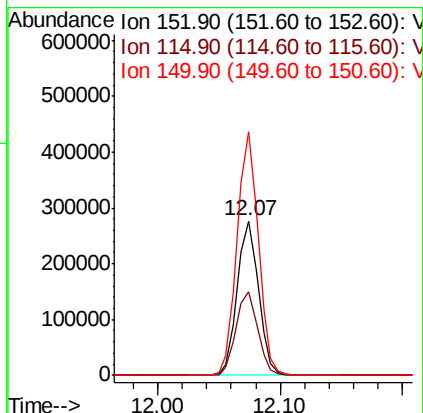
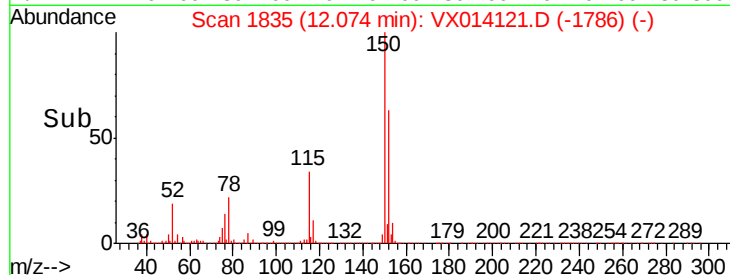
1,4-Dichlorobenzene-d4
Concen: 50.000 ug/l
RT: 12.07 min Scan# 1835
Delta R.T. 0.00 min
Lab File: VX014121.D
Acq: 19 Dec 2019 15:28

Instrument :
MSVOA_X
ClientSampled :

Tot Ion	Ratio	Lower	Upper
152	100		
115	55.1	38.3	114.9
150	157.5	0.0	345.4



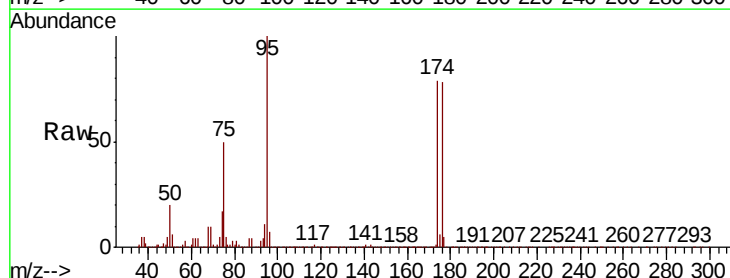
Abundance Ion 151.90 (151.60 to 152.60): V
Ion 114.90 (114.60 to 115.60): V
Ion 149.90 (149.60 to 150.60): V



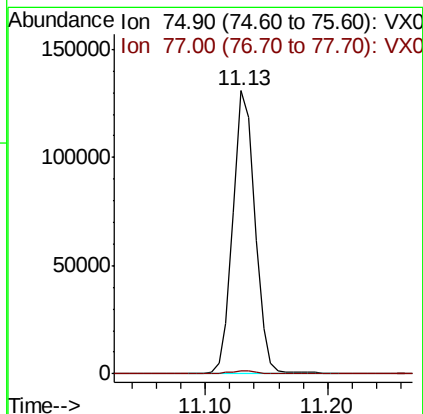
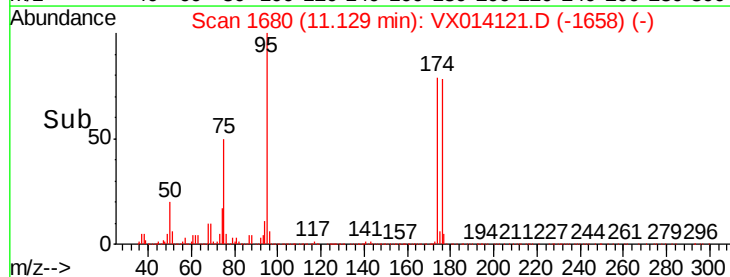
#76

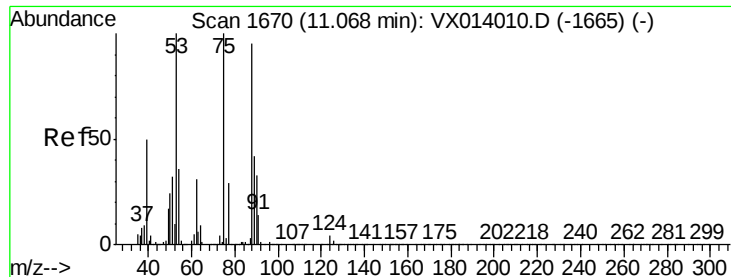
1,2,3-Trichloropropane
Concen: 22.543 ug/l
RT: 11.13 min Scan# 1680
Delta R.T. -0.16 min
Lab File: VX014121.D
Acq: 19 Dec 2019 15:28

Tgt Ion	Ratio	Lower	Upper
75	100		
77	1.7	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: 63.629 ug/l

RT: 11.13 min Scan# 1680

Delta R.T. 0.06 min

Lab File: VX014121.D

Acq: 19 Dec 2019 15:28

Instrument :

MSVOA_X

ClientSampleId :

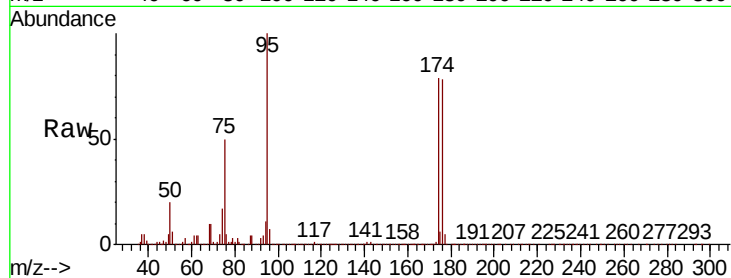
Tot Ion: 75 Resp: 162275

Ion Ratio Lower Upper

75 100

53 0.2 76.7 115.1#

89 0.1 34.6 51.8#



Abundance Ion 74.90 (74.60 to 75.60): VX0

Ion 53.00 (52.70 to 53.70): VX0

Ion 88.90 (88.60 to 89.60): VX0

