

Data Path : Z:\VOASRV\HPCHEM1\MSVOA X\DATA\WX011020\
 Data File : VX014551.D
 Acq On : 10 Jan 2020 21:47
 Operator : JC/SP
 Sample : VX0110WBL02
 Misc : 5.0mL/MSVOA X/WATER
 ALS Vial : 34 Sample Multiplier: 1

Instrument :
 MSVOA_X
 ClientSampleId :
 VX0110WBL02

Quant Time: Jan 10 23:39:37 2020
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_X\METHOD\82X010720W.M
 Quant Title : SW846 8260
 QLast Update : Tue Jan 07 15:54:41 2020
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Pentafluorobenzene	5.65	168	489954	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	6.86	114	754607	50.00	ug/l	0.00
63) Chlorobenzene-d5	10.11	117	686441	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	12.07	152	313155	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	273871	50.07	ug/l	0.00
Spiked Amount			Recovery	=	100.14%	
35) Dibromofluoromethane	5.49	113	224428	49.13	ug/l	0.00
Spiked Amount			Recovery	=	98.26%	
50) Toluene-d8	8.71	98	893206	50.39	ug/l	0.00
Spiked Amount			Recovery	=	100.78%	
62) 4-Bromofluorobenzene	11.13	95	304937	46.86	ug/l	0.00
Spiked Amount			Recovery	=	93.72%	

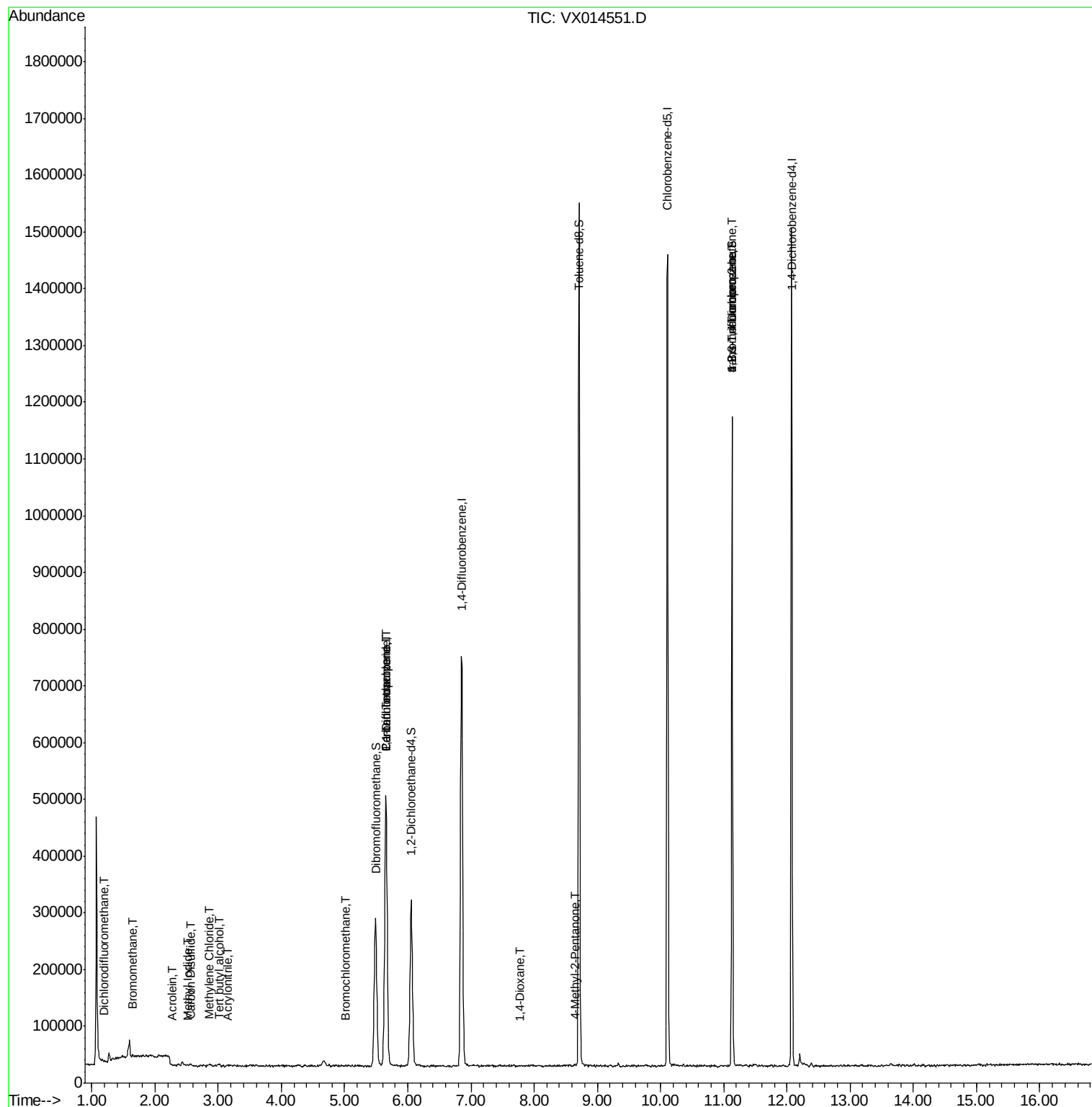
Target Compounds	R.T.	QIon	Response	Conc	Units	Qvalue
2) Dichlorodifluoromethane	1.19	85	669	0.362	ug/l #	32
5) Bromomethane	1.64	94	2908	0.630	ug/l	86
6) Chloroethane	1.66	64	440	Below Cal	#	49
10) Methyl Iodide	2.52	142	2001	0.348	ug/l #	78
11) Tert butyl alcohol	3.01	59	1830	1.602	ug/l	97
13) Acrolein	2.28	56	481	0.525	ug/l #	15
15) Acrylonitrile	3.15	53	919	0.333	ug/l #	52
16) Acetone	2.43	43	8469	Below Cal		98
17) Carbon Disulfide	2.56	76	3949	0.292	ug/l #	87
20) Methylene Chloride	2.85	84	1529	0.278	ug/l #	74
28) Bromochloromethane	5.01	49	789	0.210	ug/l #	21
36) 1,1-Dichloropropene	5.65	75	33108	4.665	ug/l #	52
38) Carbon Tetrachloride	5.65	117	41805	6.402	ug/l #	17
49) 1,4-Dioxane	7.76	88	819	6.481	ug/l #	21
51) 4-Methyl-2-Pentanone	8.64	43	2227	0.293	ug/l	94
76) 1,2,3-Trichloropropane	11.13	75	148152	22.866	ug/l #	34
81) trans-1,4-Dichloro-2-buten	11.13	75	148152	60.452	ug/l #	12
88) 1,4-Dichlorobenzene	12.03	146	1349	Below Cal		89
96) 1,2,3-Trichlorobenzene	14.01	180	1274	Below Cal		84

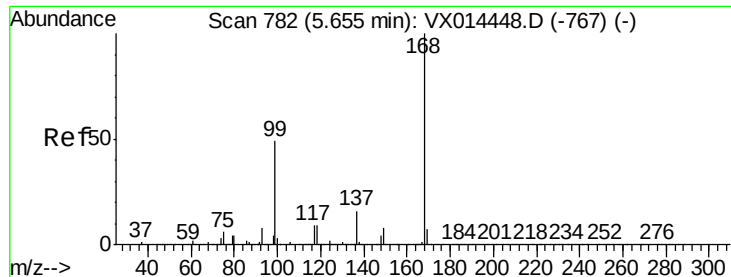
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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Quant Title : SW846 8260
QLast Update : Tue Jan 07 15:54:41 2020
Response via : Initial Calibration





#1

Pentafluorobenzene

Concen: 50.000 ug/l

RT: 5.65 min Scan# 782

Delta R.T. 0.00 min

Lab File: VX014551.D

Acq: 10 Jan 2020 21:47

Instrument :

MSVOA_X

ClientSampleId :

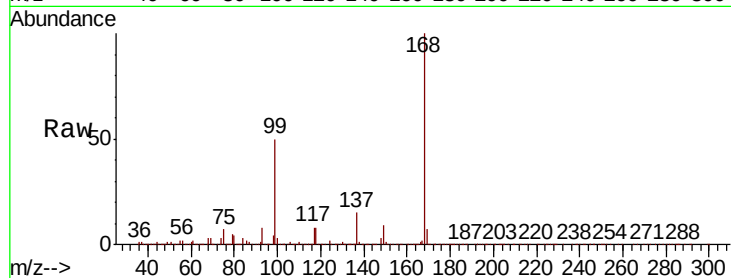
VX0110WBL02

Tot Ion:168 Resp: 489954

Ion Ratio Lower Upper

168 100

99 49.6 39.2 58.8



Abundance Ion 167.90 (167.60 to 168.60): V

Ion 98.90 (98.60 to 99.60): VX0

5.65

200000

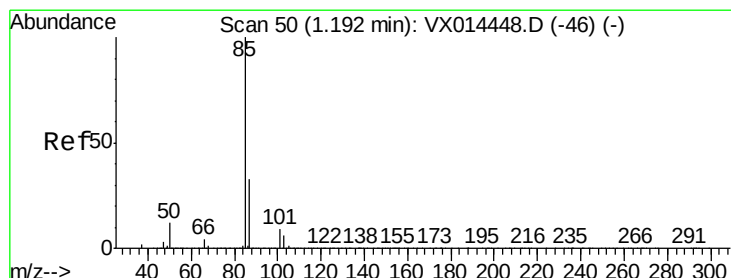
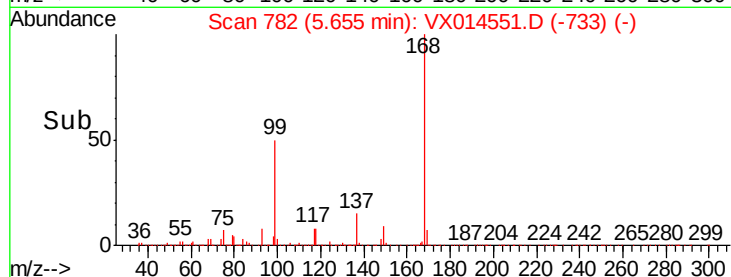
150000

100000

50000

0

Time-->



#2

Dichlorodifluoromethane

Concen: 0.362 ug/l

RT: 1.19 min Scan# 50

Delta R.T. 0.00 min

Lab File: VX014551.D

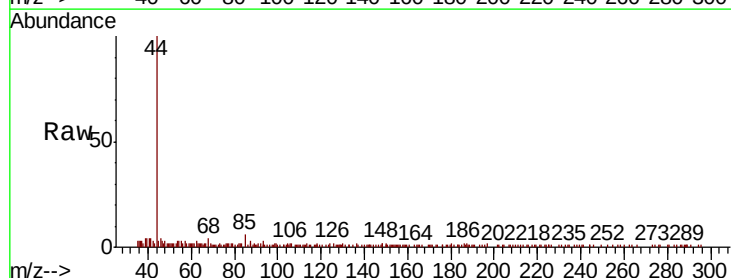
Acq: 10 Jan 2020 21:47

Tgt Ion: 85 Resp: 669

Ion Ratio Lower Upper

85 100

87 71.4 16.5 49.5#



Abundance Ion 84.90 (84.60 to 85.60): VX0

Ion 86.90 (86.60 to 87.60): VX0

1.19

600

500

400

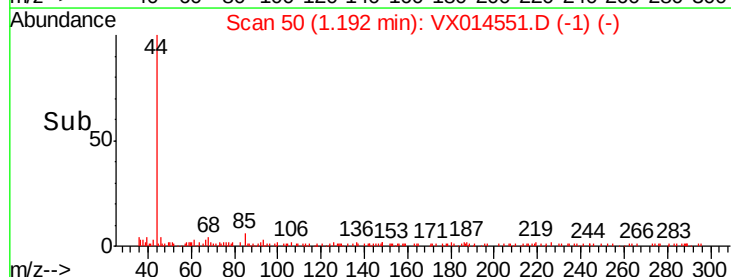
300

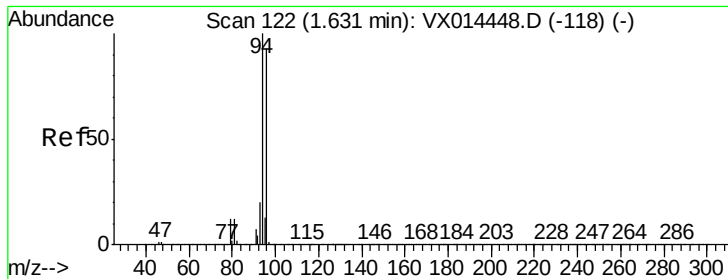
200

100

0

Time-->





#5

Bromomethane

Concen: 0.630 ug/l

RT: 1.64 min Scan# 124

Delta R.T. 0.01 min

Lab File: VX014551.D

Acq: 10 Jan 2020 21:47

Instrument :

MSVOA_X

ClientSampleId :

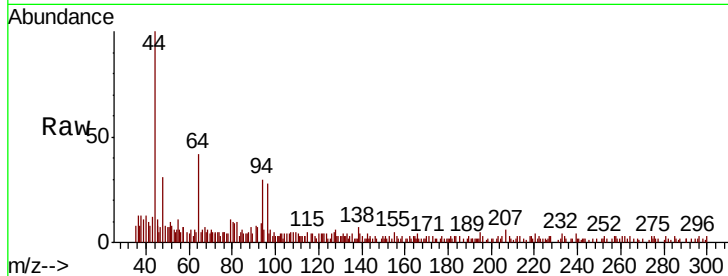
VX0110WBL02

Tot Ion: 94 Resp: 2908

Ion Ratio Lower Upper

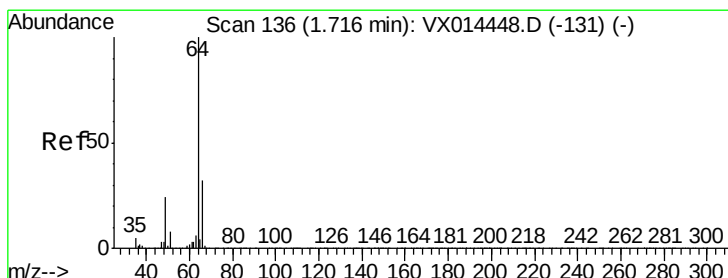
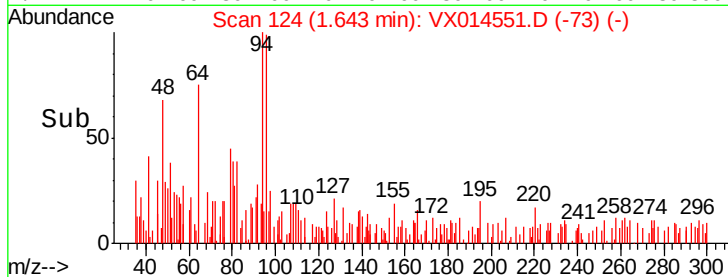
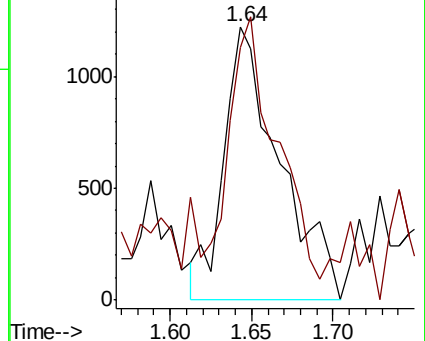
94 100

96 79.0 74.2 111.2



Abundance Ion 93.90 (93.60 to 94.60): VX0

Ion 95.90 (95.60 to 96.60): VX0



#6

Chloroethane

Concen: Below Cal

RT: 1.66 min Scan# 126

Delta R.T. -0.06 min

Lab File: VX014551.D

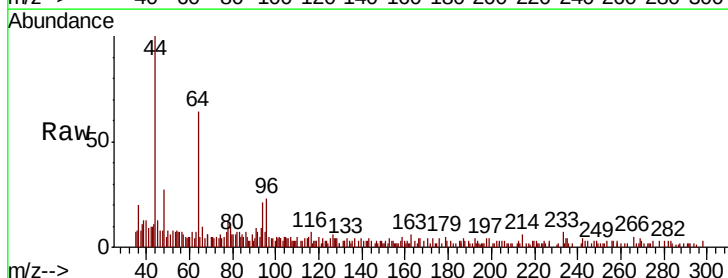
Acq: 10 Jan 2020 21:47

Tgt Ion: 64 Resp: 440

Ion Ratio Lower Upper

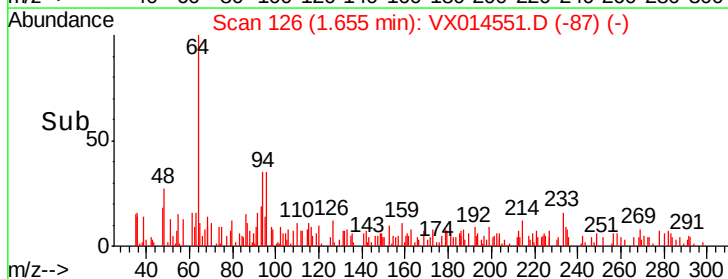
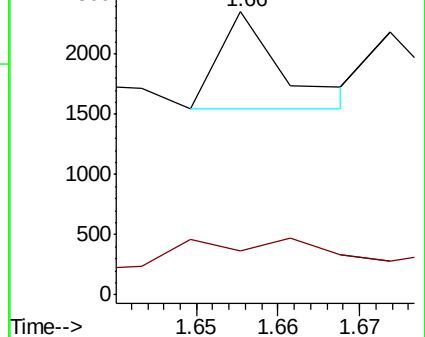
64 100

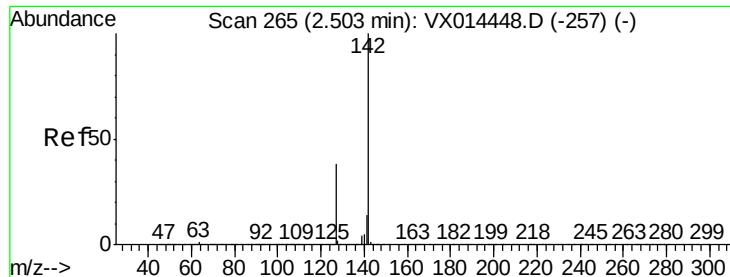
66 3.5 25.3 37.9#



Abundance Ion 63.90 (63.60 to 64.60): VX0

Ion 65.90 (65.60 to 66.60): VX0





#10

Methyl Iodide

Concen: 0.348 ug/l

RT: 2.52 min Scan# 267

Delta R.T. 0.01 min

Lab File: VX014551.D

Acq: 10 Jan 2020 21:47

Instrument :

MSVOA_X

ClientSampleId :

VX0110WBL02

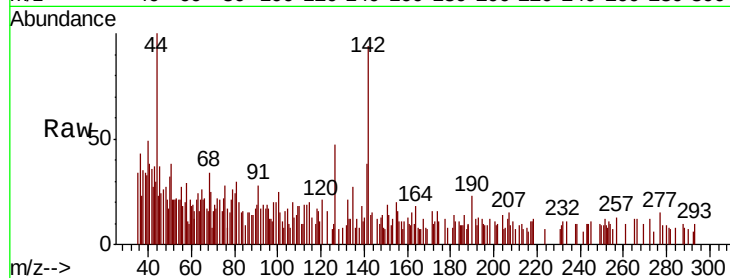
Tot Ion:142 Resp: 2001

Ion Ratio Lower Upper

142 100

127 55.7 31.2 46.8#

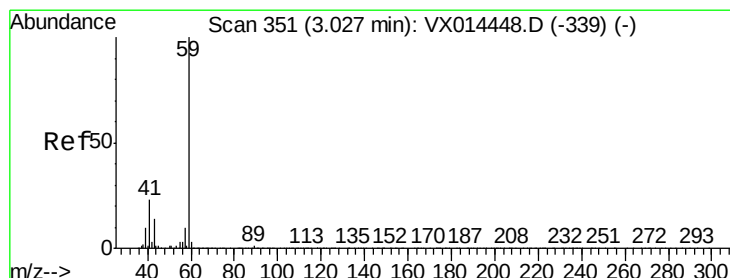
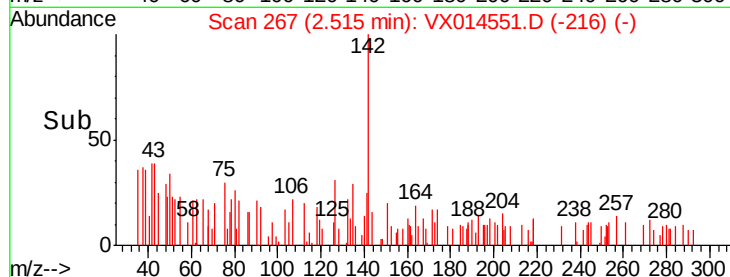
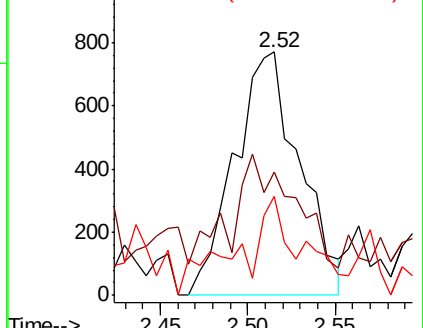
141 11.7 11.4 17.2



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



#11

Tert butyl alcohol

Concen: 1.602 ug/l

RT: 3.01 min Scan# 348

Delta R.T. -0.02 min

Lab File: VX014551.D

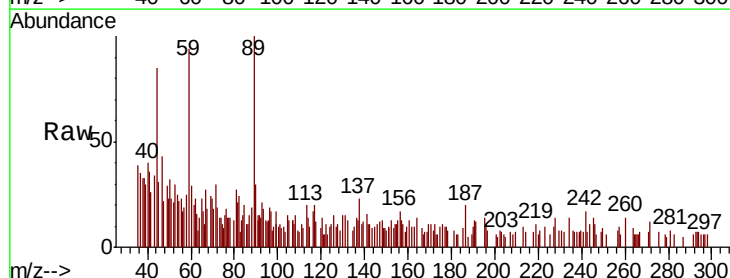
Acq: 10 Jan 2020 21:47

Tgt Ion: 59 Resp: 1830

Ion Ratio Lower Upper

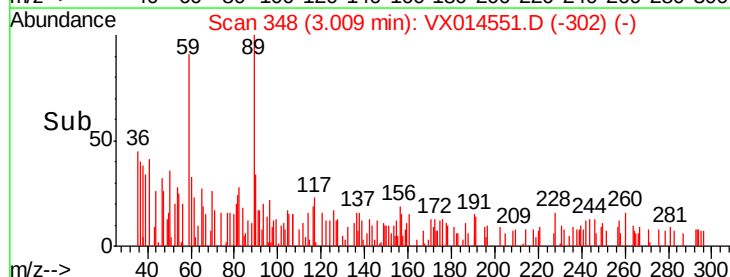
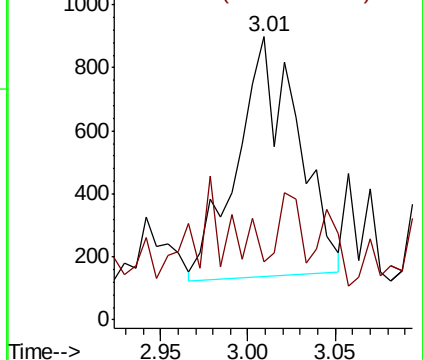
59 100

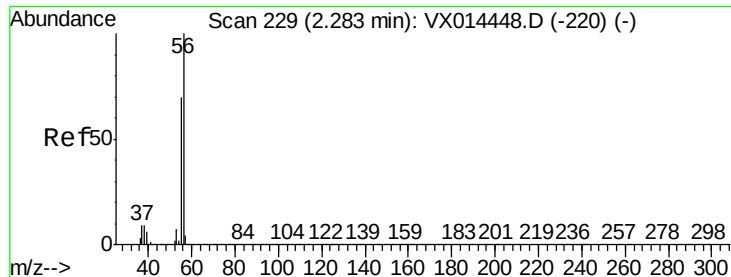
57 9.6 8.5 12.7



Abundance Ion 59.00 (58.70 to 59.70): VX0

Ion 57.00 (56.70 to 57.70): VX0





#13

Acrolein

Concen: 0.525 ug/l

RT: 2.28 min Scan# 228

Delta R.T. -0.01 min

Lab File: VX014551.D

Acq: 10 Jan 2020 21:47

Instrument :

MSVOA_X

ClientSampled :

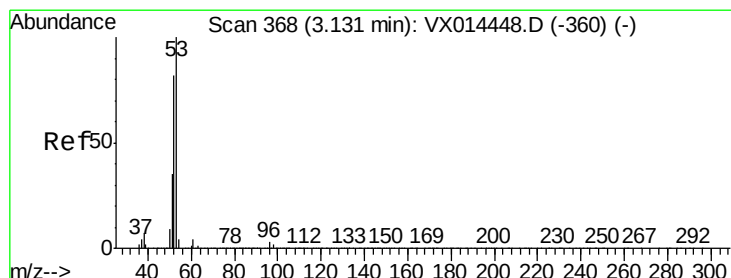
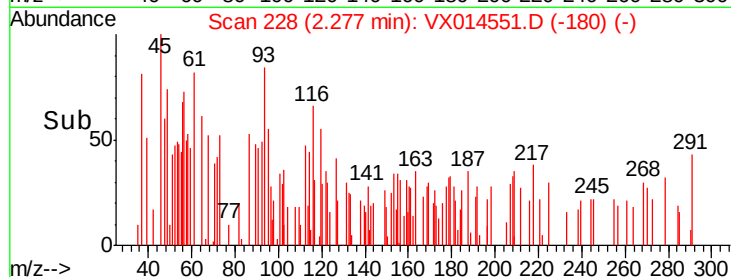
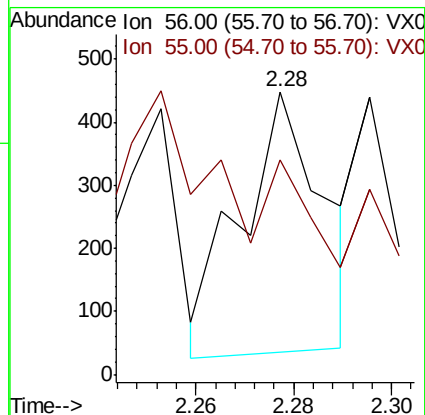
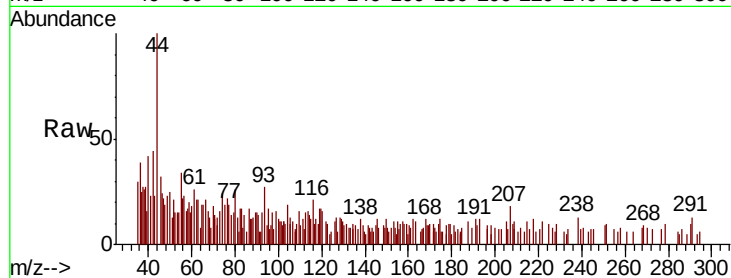
VX0110WBL02

Tot Ion: 56 Resp: 481

Ion Ratio Lower Upper

56 100

55 0.0 55.0 82.6#



#15

Acrylonitrile

Concen: 0.333 ug/l

RT: 3.15 min Scan# 371

Delta R.T. 0.02 min

Lab File: VX014551.D

Acq: 10 Jan 2020 21:47

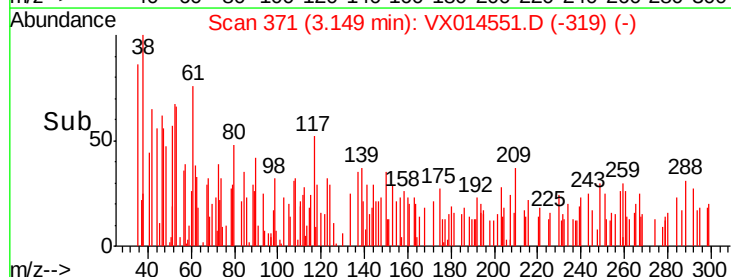
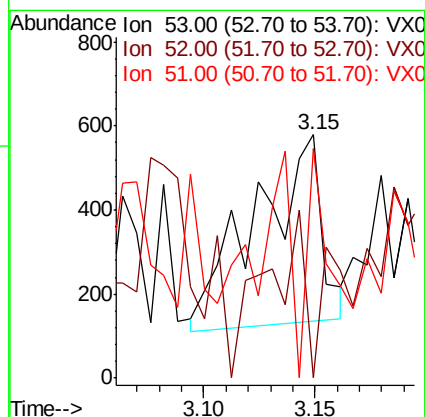
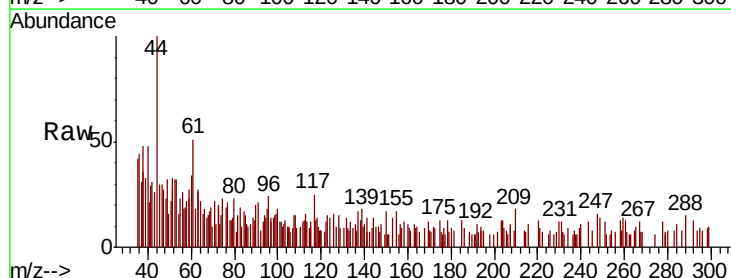
Tgt Ion: 53 Resp: 919

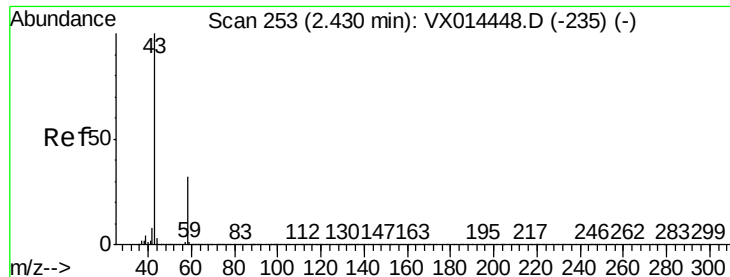
Ion Ratio Lower Upper

53 100

52 29.4 67.0 100.4#

51 48.0 28.5 42.7#





#16

Acetone

Concen: Below Cal

RT: 2.43 min Scan# 253

Delta R.T. 0.00 min

Lab File: VX014551.D

Acq: 10 Jan 2020 21:47

Instrument :

MSVOA_X

ClientSampleId :

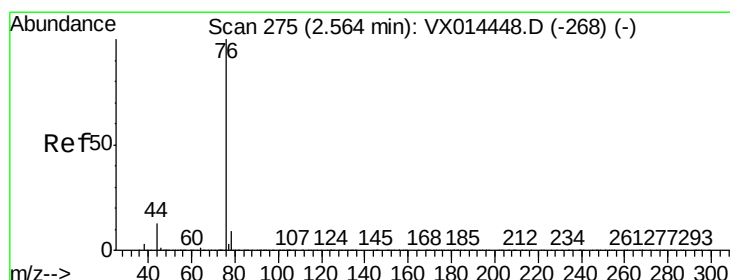
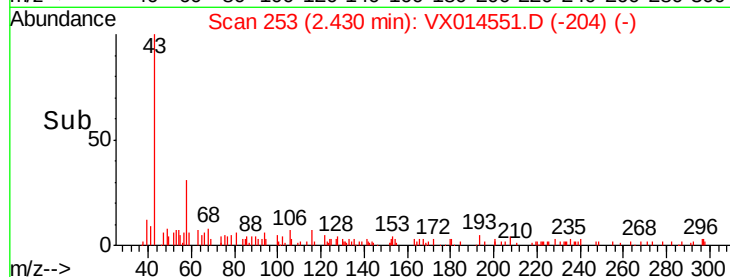
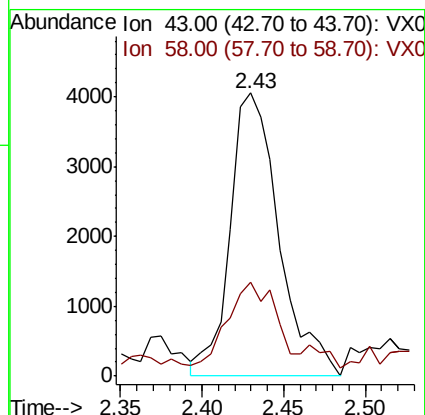
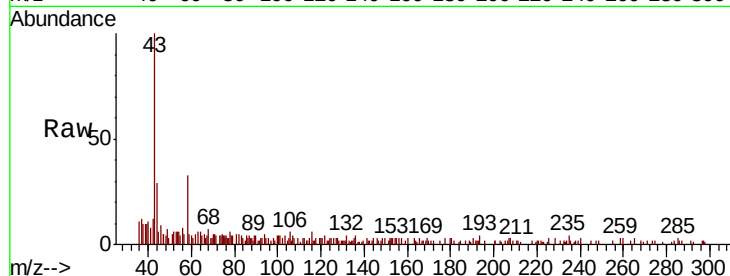
VX0110WBL02

Tot Ion: 43 Resp: 8469

Ion Ratio Lower Upper

43 100

58 30.4 25.4 38.0



#17

Carbon Disulfide

Concen: 0.292 ug/l

RT: 2.56 min Scan# 275

Delta R.T. 0.00 min

Lab File: VX014551.D

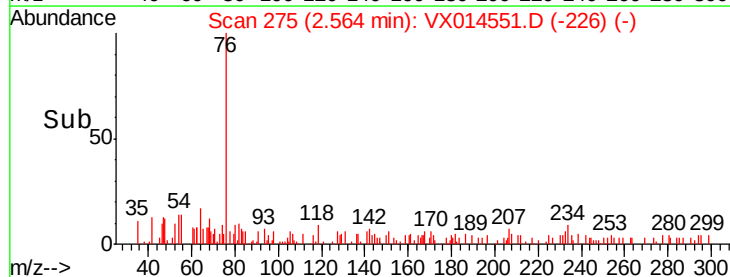
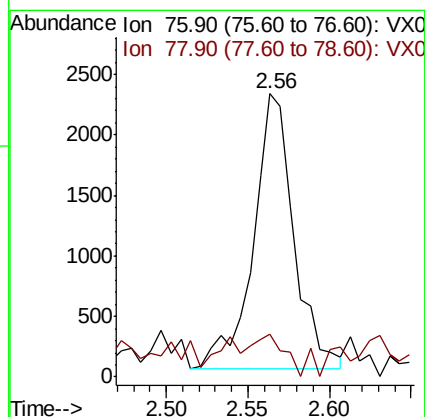
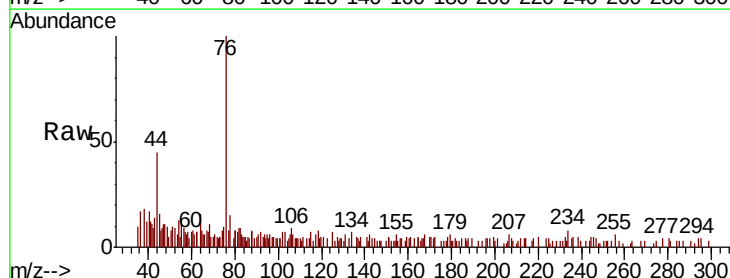
Acq: 10 Jan 2020 21:47

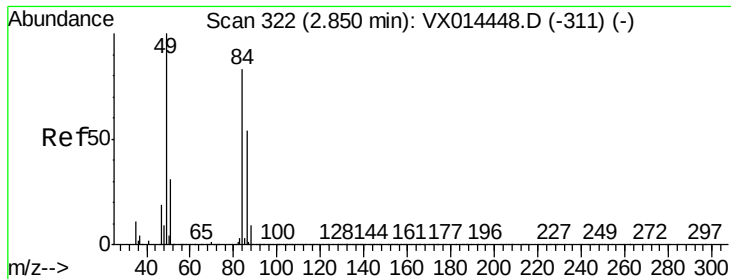
Tgt Ion: 76 Resp: 3949

Ion Ratio Lower Upper

76 100

78 4.7 7.4 11.2#

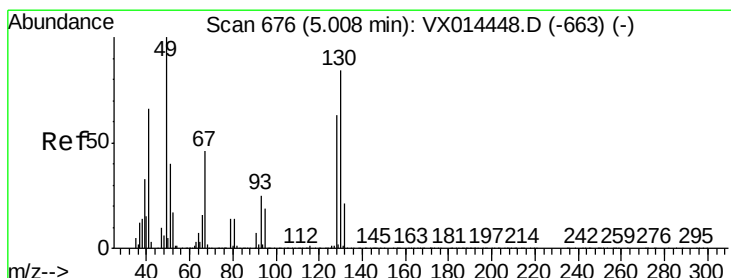
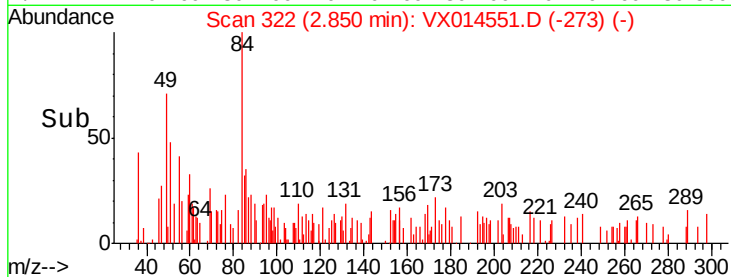
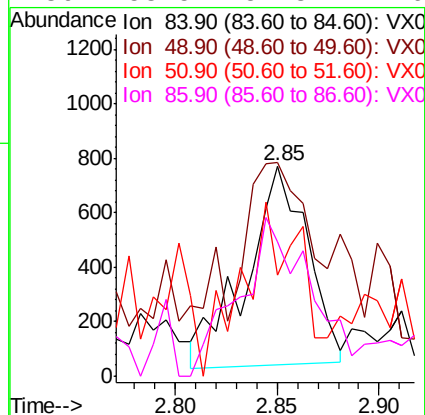
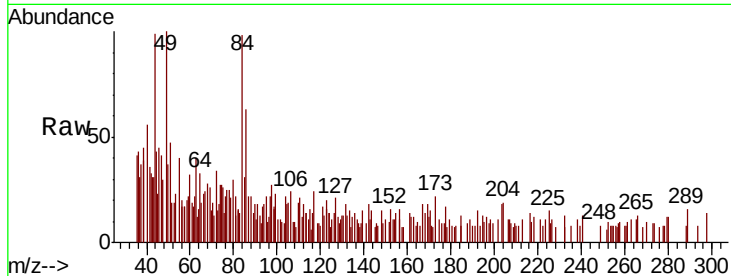




#20
Methvlene Chloride
Concen: 0.278 ug/l
RT: 2.85 min Scan# 322
Delta R.T. 0.00 min
Lab File: VX014551.D
Acq: 10 Jan 2020 21:47

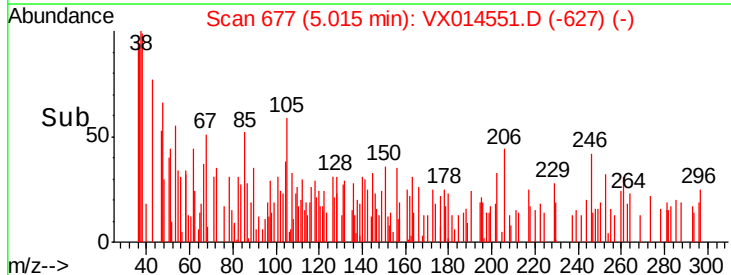
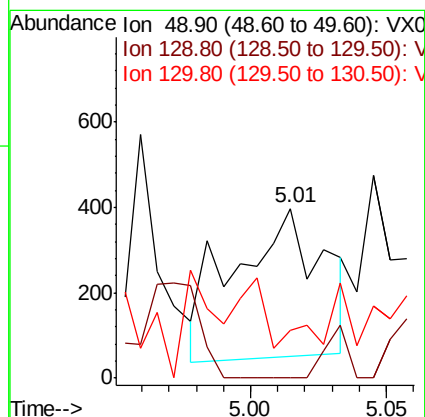
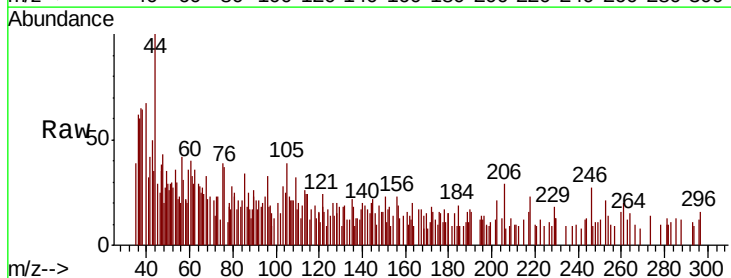
Instrument :
MSVOA_X
ClientSampleId :
VX0110WBL02

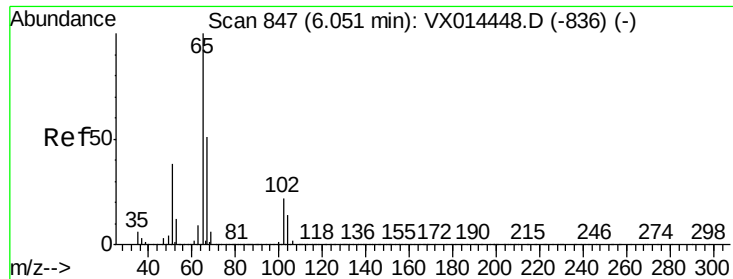
Tot Ion:	84	Resp:	1529
Ion	Ratio	Lower	Upper
84	100		
49	77.6	95.8	143.8#
51	44.0	30.2	45.4
86	53.5	51.8	77.6



#28
Bromochloromethane
Concen: 0.210 ug/l
RT: 5.01 min Scan# 677
Delta R.T. 0.01 min
Lab File: VX014551.D
Acq: 10 Jan 2020 21:47

Tgt Ion:	49	Resp:	789
Ion	Ratio	Lower	Upper
49	100		
129	0.0	0.0	4.4
130	10.4	67.0	100.4#

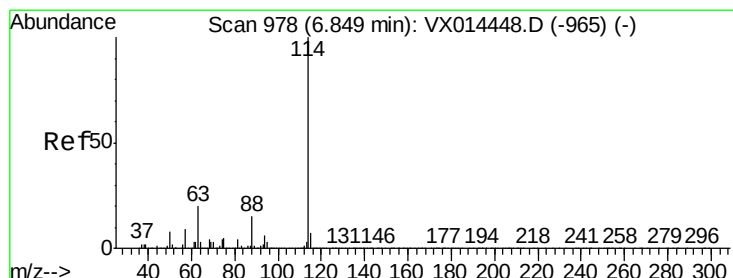
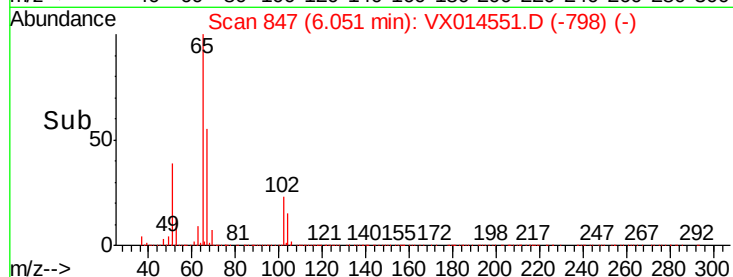
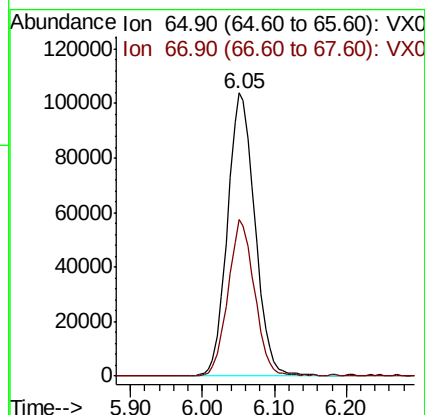
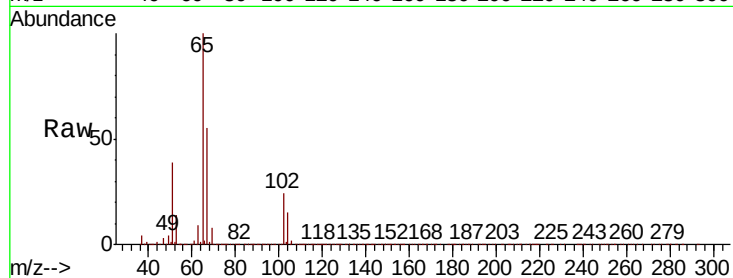




#33
 1,2-Dichloroethane-d4
 Concen: 50.072 ug/l
 RT: 6.05 min Scan# 847
 Delta R.T. 0.00 min
 Lab File: VX014551.D
 Acq: 10 Jan 2020 21:47

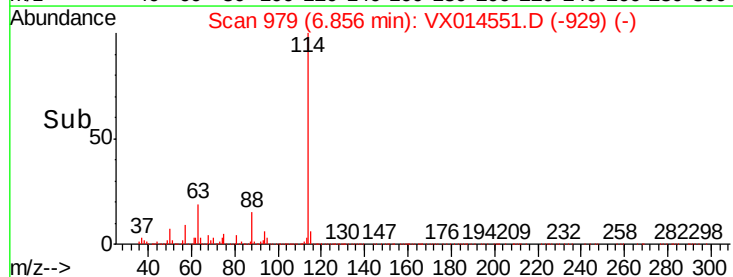
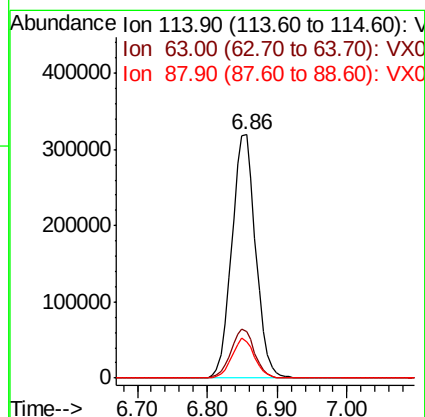
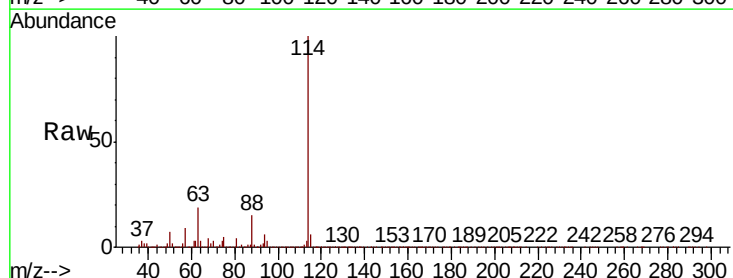
Instrument :
 MSVOA_X
 ClientSampleId :
 VX0110WBL02

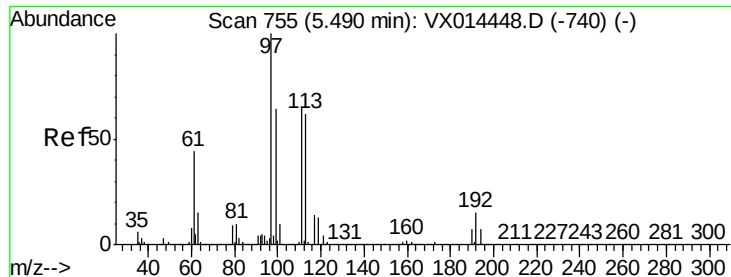
Tot Ion: 65 Resp: 273871
 Ion Ratio Lower Upper
 65 100
 67 53.3 0.0 106.2



#34
 1,4-Difluorobenzene
 Concen: 50.000 ug/l
 RT: 6.86 min Scan# 979
 Delta R.T. 0.01 min
 Lab File: VX014551.D
 Acq: 10 Jan 2020 21:47

Tgt Ion: 114 Resp: 754607
 Ion Ratio Lower Upper
 114 100
 63 19.1 0.0 39.6
 88 15.0 0.0 30.8

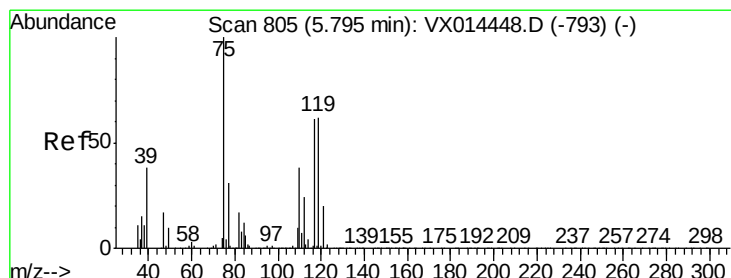
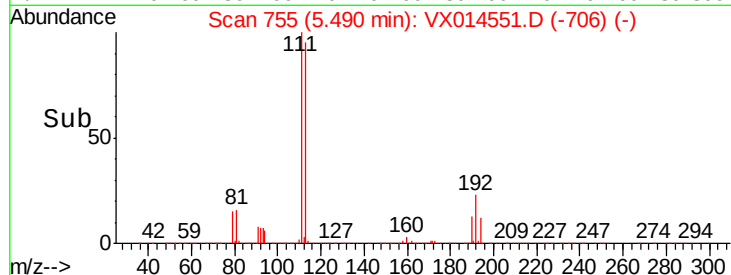
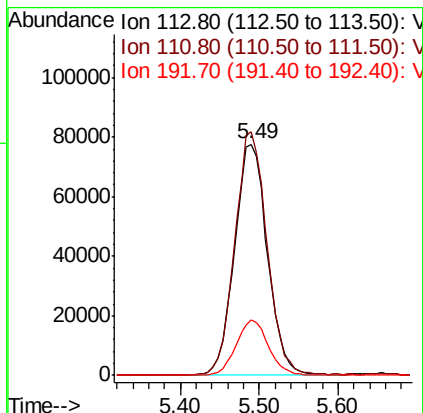
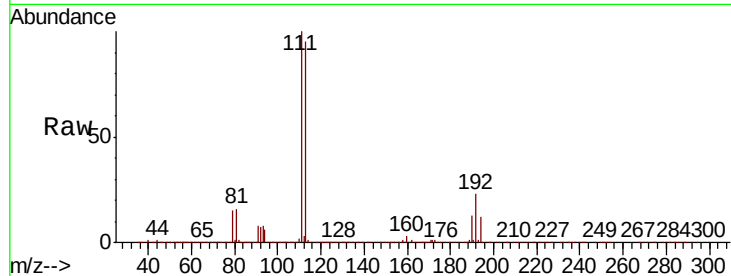




#35
 Dibromofluoromethane
 Concen: 49.131 ug/l
 RT: 5.49 min Scan# 755
 Delta R.T. 0.00 min
 Lab File: VX014551.D
 Acq: 10 Jan 2020 21:47

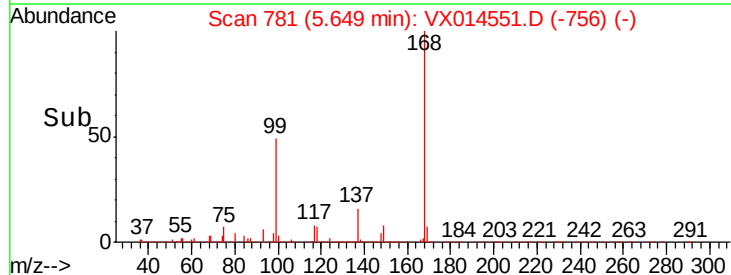
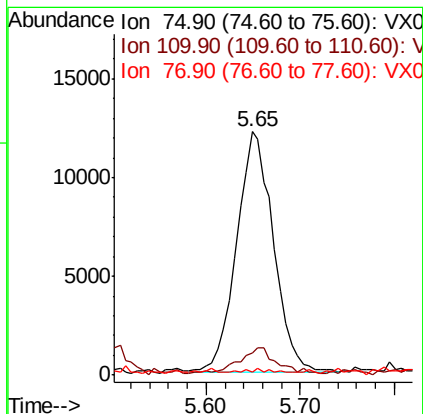
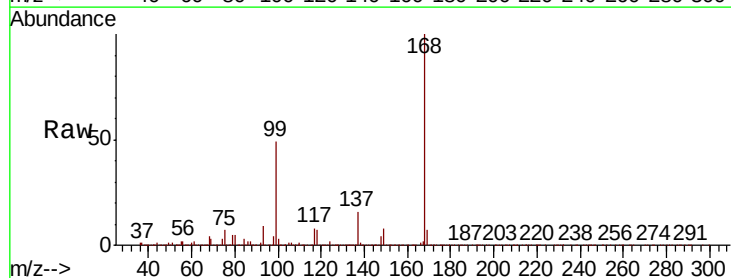
Instrument :
 MSVOA_X
 ClientSampled :
 VX0110WBL02

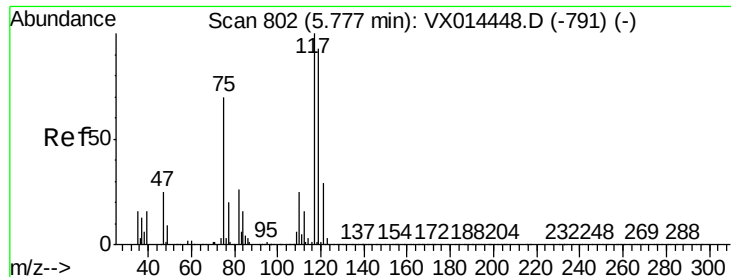
Tot Ion	Ratio	Lower	Upper
113	100		
111	103.5	81.5	122.3
192	23.7	19.2	28.8



#36
 1,1-Dichloropropene
 Concen: 4.665 ug/l
 RT: 5.65 min Scan# 781
 Delta R.T. -0.15 min
 Lab File: VX014551.D
 Acq: 10 Jan 2020 21:47

Tgt Ion	Ratio	Lower	Upper
75	100		
110	12.0	18.6	55.8#
77	0.3	24.5	36.7#





#38

Carbon Tetrachloride

Concen: 6.402 ug/l

RT: 5.65 min Scan# 782

Delta R.T. -0.12 min

Lab File: VX014551.D

Acq: 10 Jan 2020 21:47

Instrument :

MSVOA_X

ClientSampleId :

VX0110WBL02

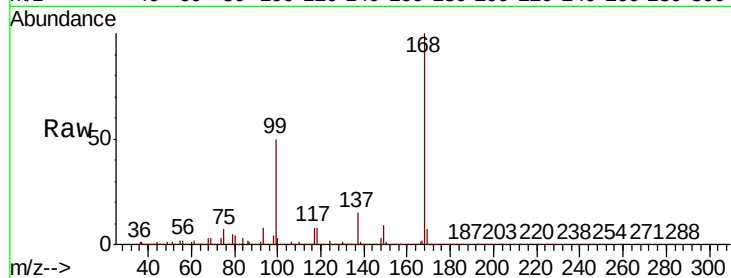
Tot Ion:117 Resp: 41805

Ion Ratio Lower Upper

117 100

119 4.1 73.8 110.8#

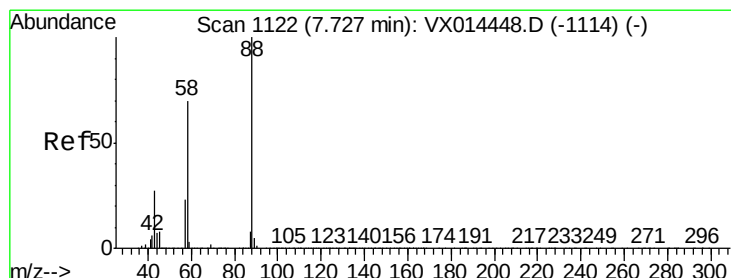
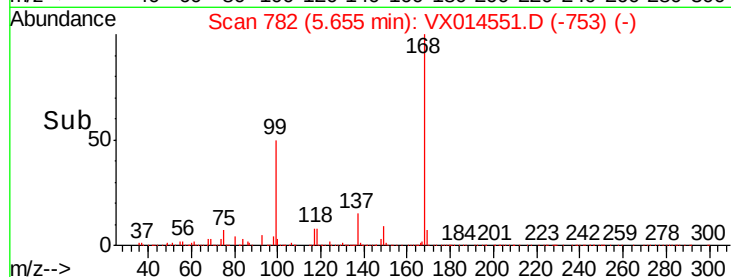
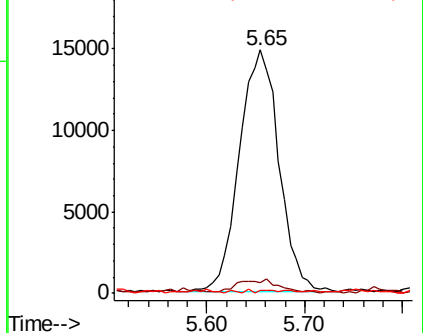
121 0.6 23.4 35.0#



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: 6.481 ug/l

RT: 7.76 min Scan# 1128

Delta R.T. 0.04 min

Lab File: VX014551.D

Acq: 10 Jan 2020 21:47

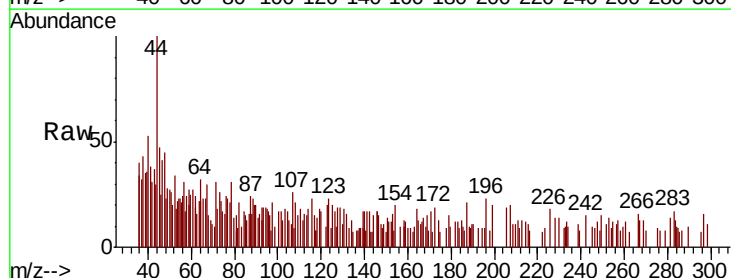
Tgt Ion: 88 Resp: 819

Ion Ratio Lower Upper

88 100

43 134.4 27.4 41.0#

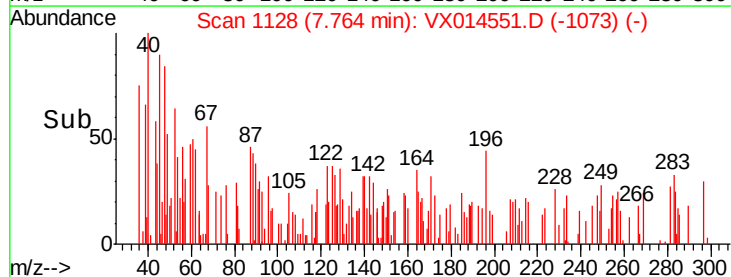
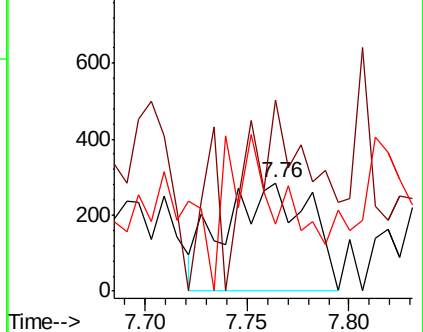
58 99.1 57.1 85.7#

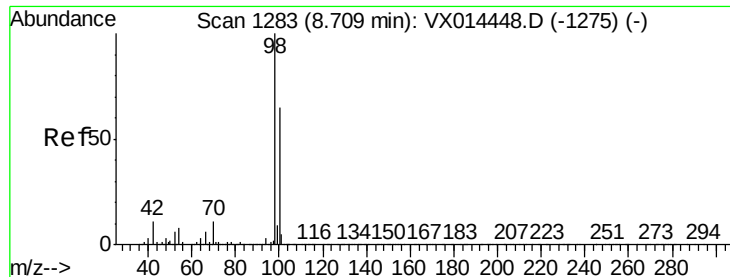


Abundance Ion 88.00 (87.70 to 88.70): VX0

Ion 43.00 (42.70 to 43.70): VX0

Ion 58.00 (57.70 to 58.70): VX0





#50

Toluene-d8

Concen: 50.388 ug/l

RT: 8.71 min Scan# 1283

Delta R.T. 0.00 min

Lab File: VX014551.D

Acq: 10 Jan 2020 21:47

Instrument :

MSVOA_X

ClientSampleId :

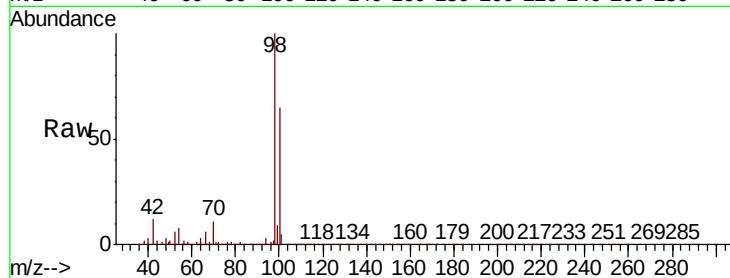
VX0110WBL02

Tot Ion: 98 Resp: 893206

Ion Ratio Lower Upper

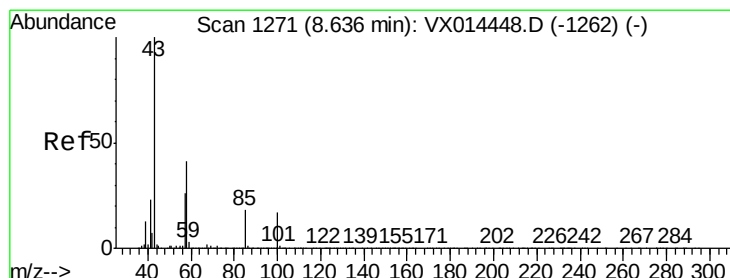
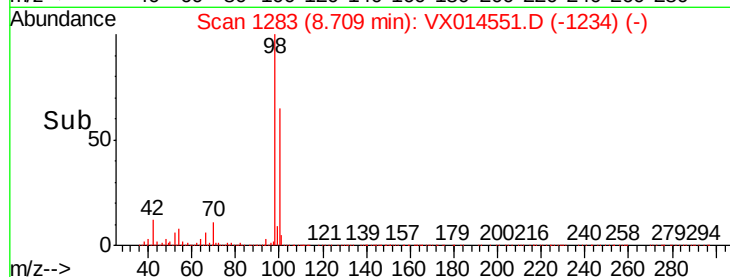
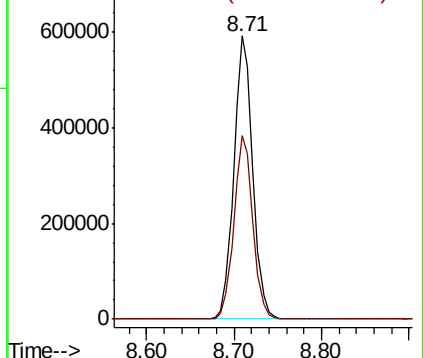
98 100

100 64.9 53.2 79.8



Abundance Ion 98.00 (97.70 to 98.70): VX0

Ion 100.00 (99.70 to 100.70): VX



#51

4-Methyl-2-Pentanone

Concen: 0.293 ug/l

RT: 8.64 min Scan# 1272

Delta R.T. 0.01 min

Lab File: VX014551.D

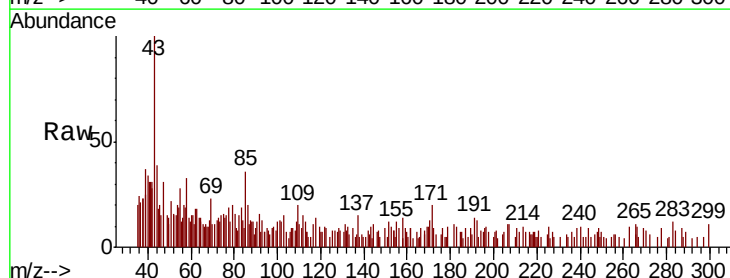
Acq: 10 Jan 2020 21:47

Tgt Ion: 43 Resp: 2227

Ion Ratio Lower Upper

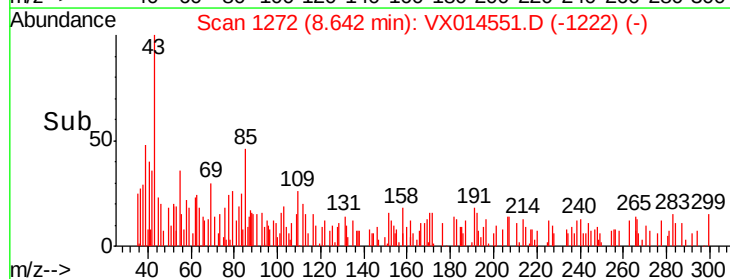
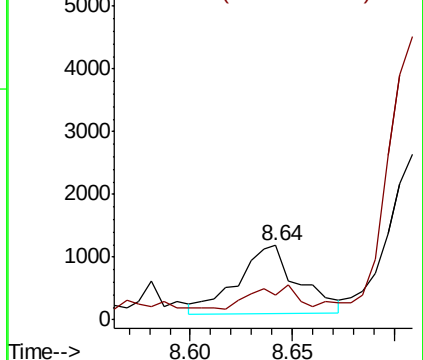
43 100

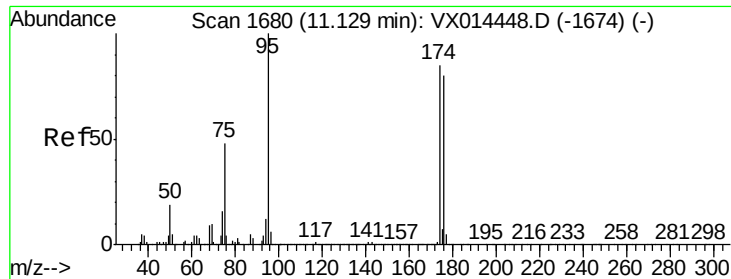
58 44.4 32.4 48.6



Abundance Ion 43.00 (42.70 to 43.70): VX0

Ion 58.00 (57.70 to 58.70): VX0

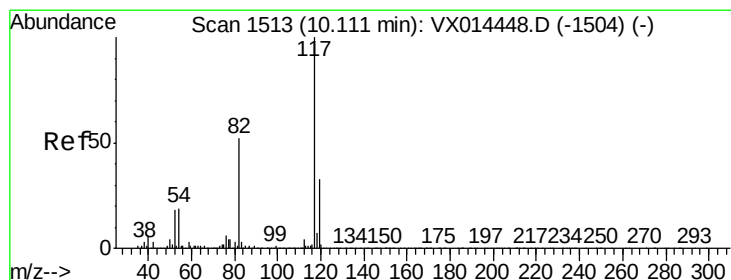
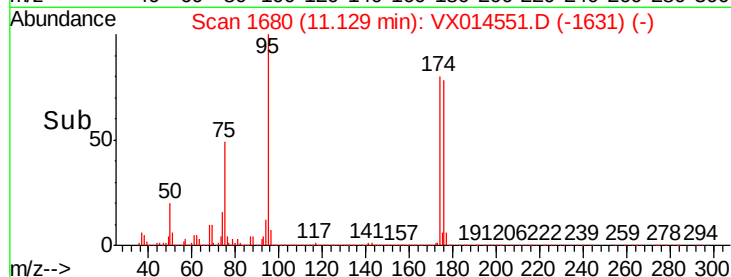
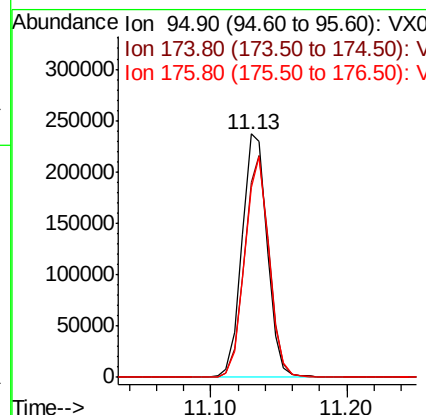
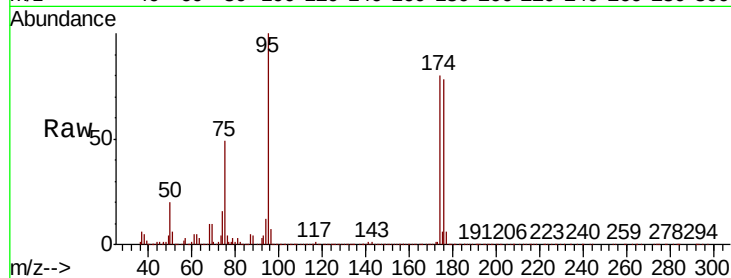




#62
4-Bromofluorobenzene
Concen: 46.858 ug/l
RT: 11.13 min Scan# 1680
Delta R.T. 0.00 min
Lab File: VX014551.D
Acq: 10 Jan 2020 21:47

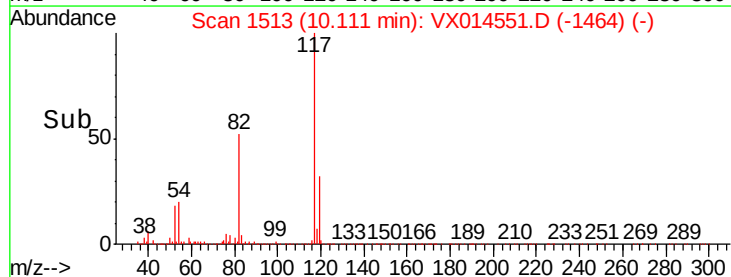
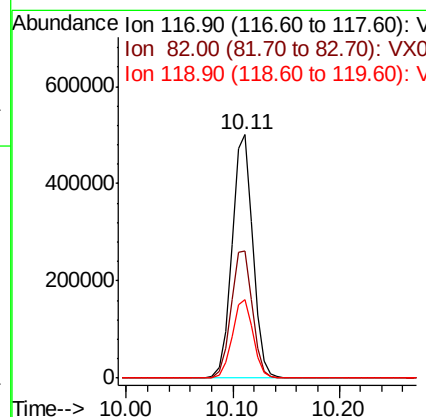
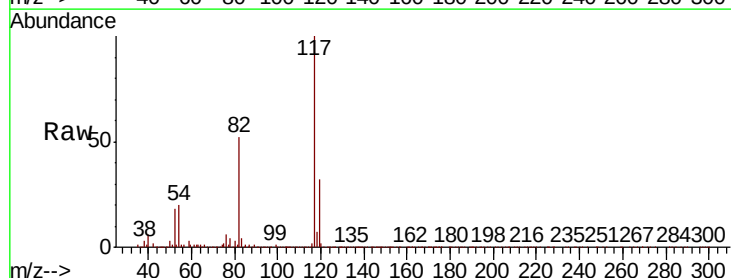
Instrument :
MSVOA_X
ClientSampleId :
VX0110WBL02

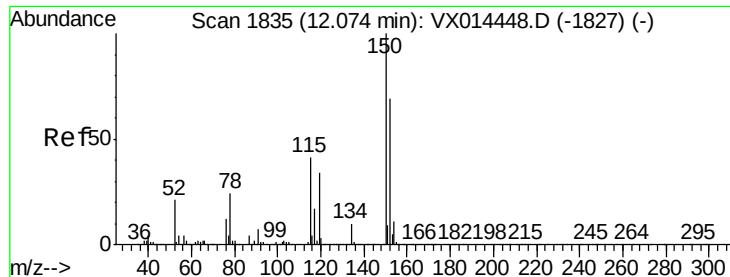
Tot Ion	Ratio	Lower	Upper
95	100		
174	89.2	0.0	180.8
176	87.7	0.0	172.8



#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 10.11 min Scan# 1513
Delta R.T. 0.00 min
Lab File: VX014551.D
Acq: 10 Jan 2020 21:47

Tgt Ion	Ratio	Lower	Upper
117	100		
82	52.4	41.8	62.6
119	32.2	26.2	39.4





#72

1,4-Dichlorobenzene-d4

Concen: 50.000 ug/l

RT: 12.07 min Scan# 1835

Delta R.T. 0.00 min

Lab File: VX014551.D

Acq: 10 Jan 2020 21:47

Instrument :

MSVOA_X

ClientSampleId :

VX0110WBL02

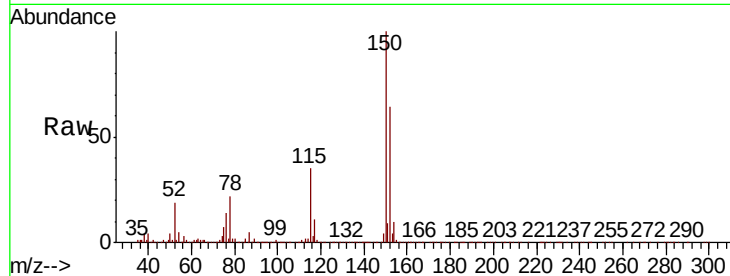
Tot Ion:152 Resp: 313155

Ion Ratio Lower Upper

152 100

115 55.2 39.5 118.3

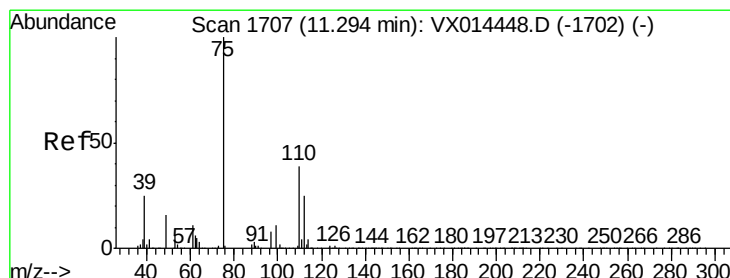
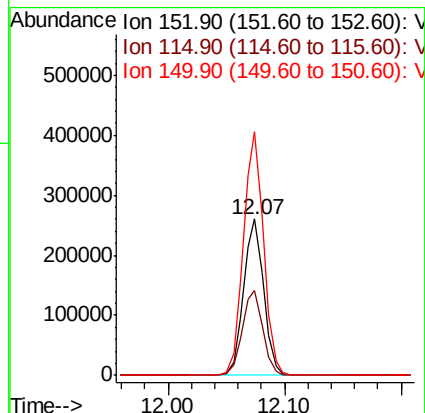
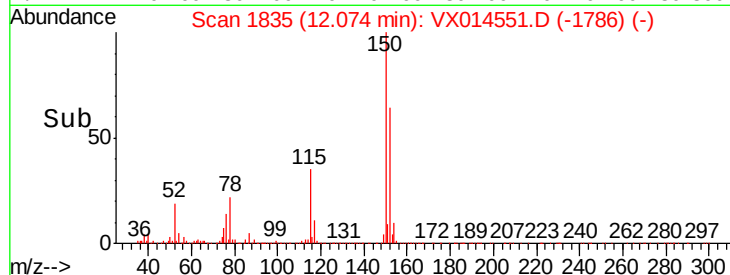
150 156.2 0.0 350.2



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: 22.866 ug/l

RT: 11.13 min Scan# 1680

Delta R.T. -0.16 min

Lab File: VX014551.D

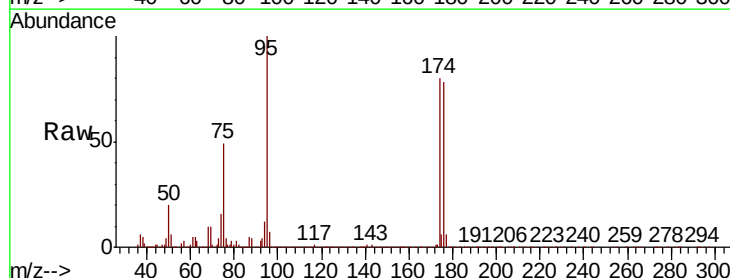
Acq: 10 Jan 2020 21:47

Tgt Ion: 75 Resp: 148152

Ion Ratio Lower Upper

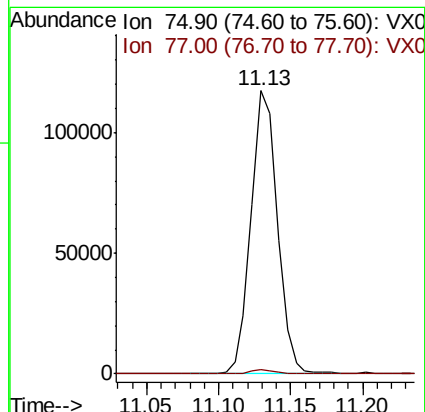
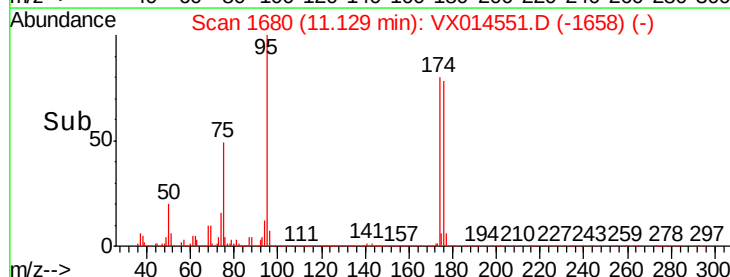
75 100

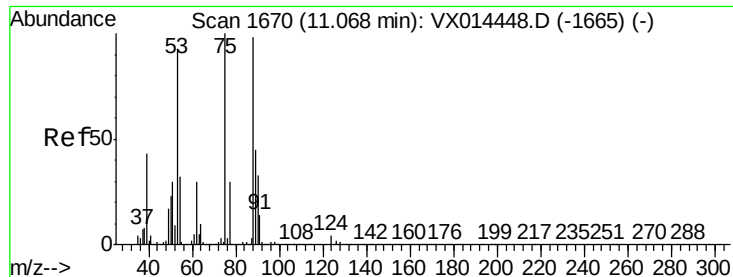
77 1.2 21.9 65.7#



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: 60.452 ug/l

RT: 11.13 min Scan# 1680

Delta R.T. 0.06 min

Lab File: VX014551.D

Acq: 10 Jan 2020 21:47

Instrument :

MSVOA_X

ClientSampleId :

VX0110WBL02

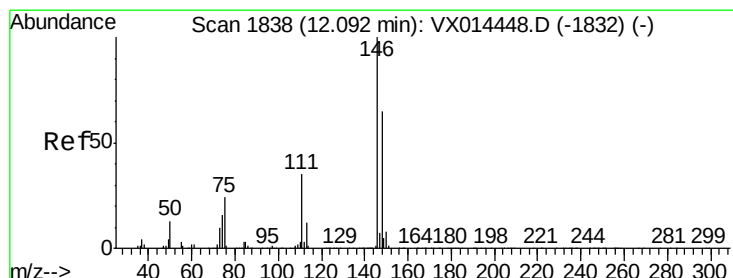
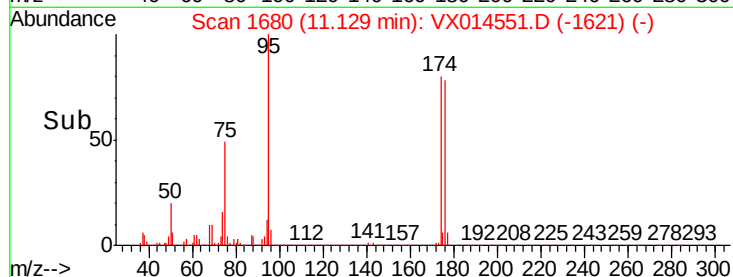
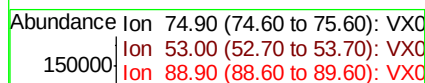
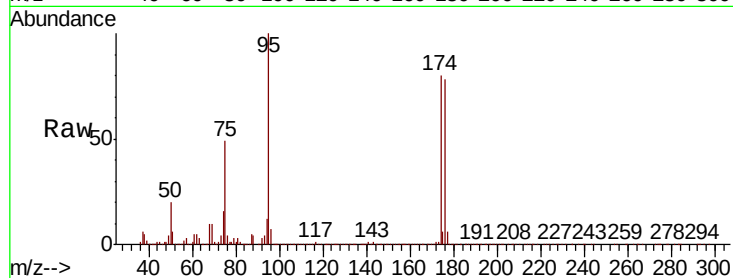
Tot Ion: 75 Resp: 148152

Ion Ratio Lower Upper

75 100

53 0.3 74.8 112.2#

89 0.0 36.3 54.5#



#88

1,4-Dichlorobenzene

Concen: Below Cal

RT: 12.03 min Scan# 1827

Delta R.T. -0.07 min

Lab File: VX014551.D

Acq: 10 Jan 2020 21:47

Tgt Ion: 146 Resp: 1349

Ion Ratio Lower Upper

146 100

111 53.3 18.1 54.1

148 64.4 32.1 96.3

