

Data Path : Z:\VOASRV\HPCHEM1\MSVOA_X\DATA\VX013120\
 Data File : VX014776.D
 Acq On : 31 Jan 2020 11:30
 Operator : JC/SP
 Sample : VX0131WBL01
 Misc : 5.0mL/MSVOA_X/WATER
 ALS Vial : 3 Sample Multiplier: 1

Instrument :
 MSVOA_X
 ClientSampleId :
 VX0131WBL01

Quant Time: Jan 31 15:35:41 2020
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_X\METHOD\82X012220W.M
 Quant Title : SW846 8260
 QLast Update : Wed Jan 22 12:35:15 2020
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Pentafluorobenzene	5.65	168	421366	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	6.85	114	668549	50.00	ug/l	0.00
63) Chlorobenzene-d5	10.10	117	617879	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	12.07	152	271486	50.00	ug/l	0.00

System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	6.05	65	254935	51.81	ug/l	0.00
Spiked Amount	50.000		Recovery	=	103.62%	
35) Dibromofluoromethane	5.48	113	212050	50.27	ug/l	0.00
Spiked Amount	50.000		Recovery	=	100.54%	
50) Toluene-d8	8.71	98	797929	49.20	ug/l	0.00
Spiked Amount	50.000		Recovery	=	98.40%	
62) 4-Bromofluorobenzene	11.13	95	267431	46.29	ug/l	0.00
Spiked Amount	50.000		Recovery	=	92.58%	

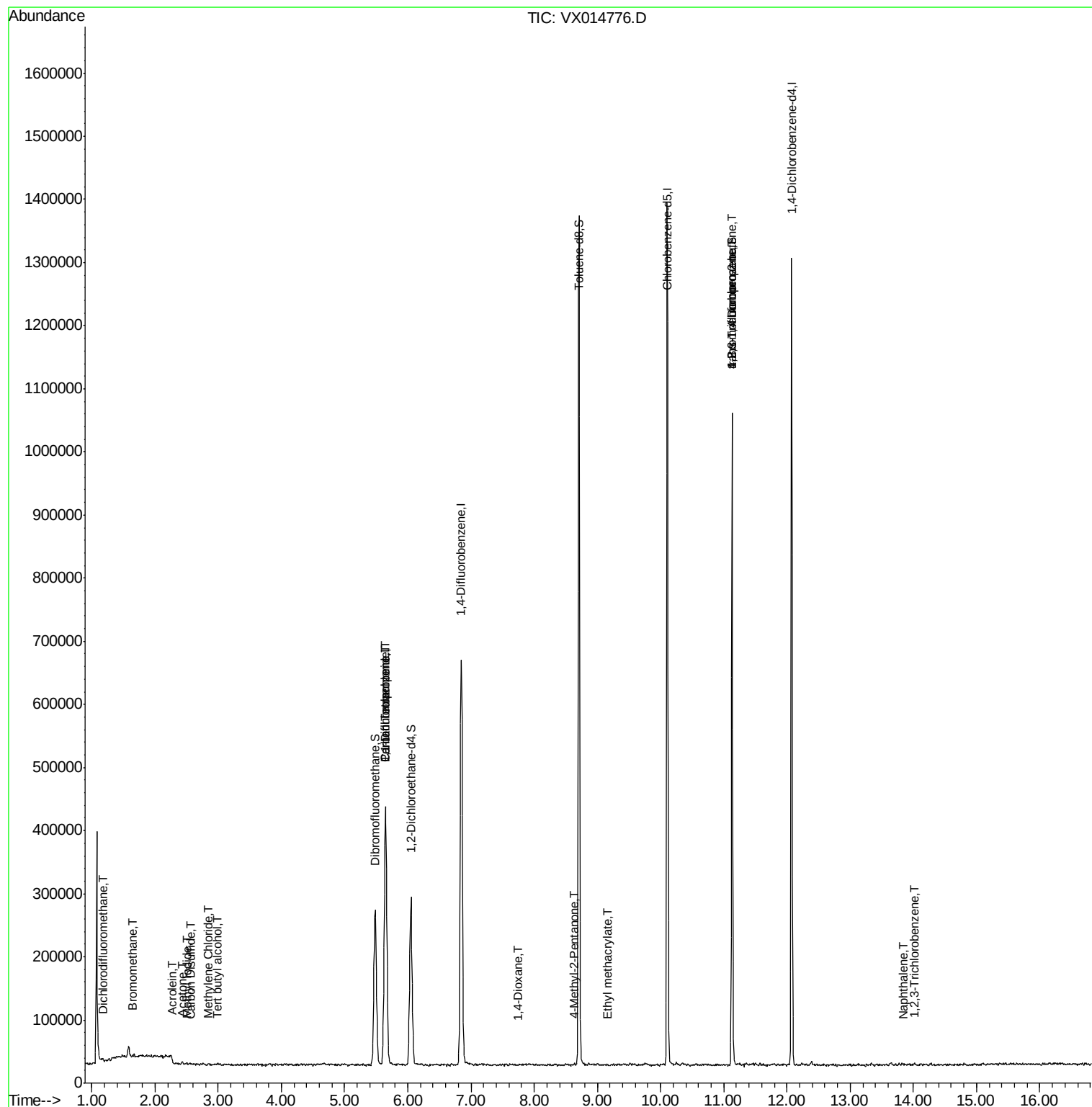
Target Compounds	R.T.	QIon	Response	Conc	Units	Qvalue
2) Dichlorodifluoromethane	1.18	85	479	0.61	ug/l	92
5) Bromomethane	1.66	94	2763	0.66	ug/l #	72
6) Chloroethane	1.74	64	1215	Below Cal	#	84
10) Methyl Iodide	2.51	142	1753	0.32	ug/l #	86
11) Tert butyl alcohol	2.98	59	709	0.64	ug/l #	1
13) Acrolein	2.28	56	712	0.82	ug/l #	70
16) Acetone	2.43	43	4436	1.79	ug/l #	78
17) Carbon Disulfide	2.56	76	2482	0.22	ug/l	98
20) Methylene Chloride	2.85	84	1468	0.29	ug/l #	47
36) 1,1-Dichloropropene	5.64	75	29652	4.77	ug/l #	52
38) Carbon Tetrachloride	5.65	117	38921	6.56	ug/l #	16
41) Methacrylonitrile	5.03	41	109	Below Cal	#	1
49) 1,4-Dioxane	7.74	88	515	4.36	ug/l #	70
51) 4-Methyl-2-Pentanone	8.64	43	1477	0.20	ug/l	90
56) Ethyl methacrylate	9.16	69	520	1.85	ug/l #	23
76) 1,2,3-Trichloropropane	11.13	75	131881	20.88	ug/l #	40
81) trans-1,4-Dichloro-2-buten	11.13	75	131881	59.42	ug/l #	11
95) Naphthalene	13.83	128	2754	1.07	ug/l #	84
96) 1,2,3-Trichlorobenzene	14.01	180	1495	0.25	ug/l #	74

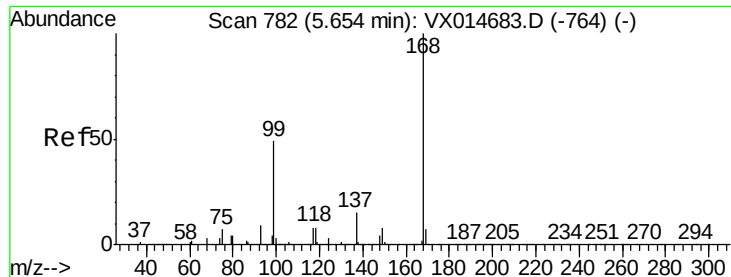
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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Quant Title : SW846 8260
QLast Update : Wed Jan 22 12:35:15 2020
Response via : Initial Calibration





#1

Pentafluorobenzene

Concen: 50.00 ug/l

RT: 5.65 min Scan# 781

Delta R.T. -0.01 min

Lab File: VX014776.D

Acq: 31 Jan 2020 11:30

Instrument :

MSVOA_X

ClientSampleId :

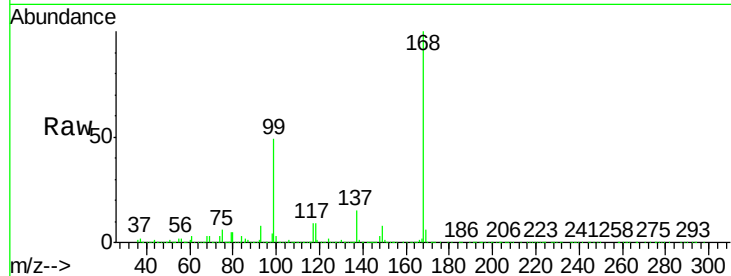
VX0131WBL01

Tgt Ion:168 Resp: 421366

Ion Ratio Lower Upper

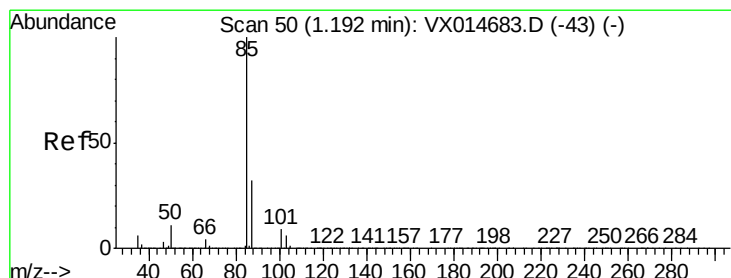
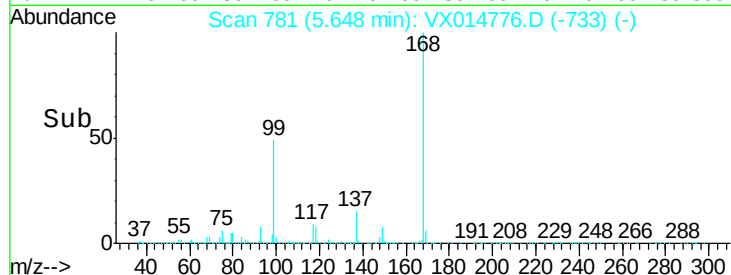
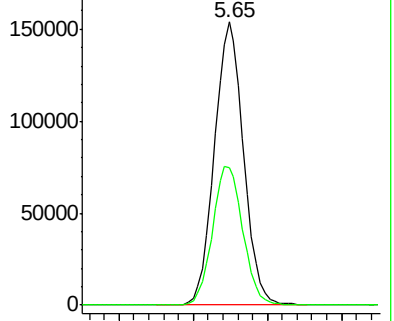
168 100

99 48.5 39.8 59.6



Abundance Ion 167.90 (167.60 to 168.60): V

Ion 98.90 (98.60 to 99.60): VX0



#2

Dichlorodifluoromethane

Concen: 0.61 ug/l

RT: 1.18 min Scan# 48

Delta R.T. -0.01 min

Lab File: VX014776.D

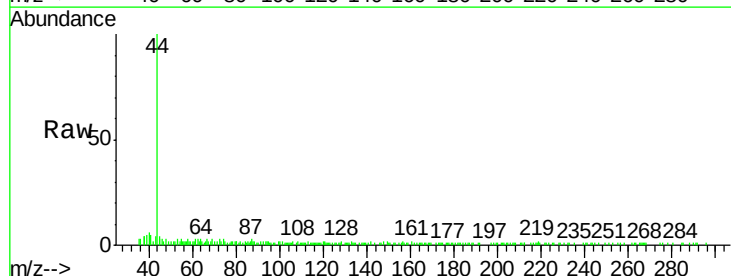
Acq: 31 Jan 2020 11:30

Tgt Ion: 85 Resp: 479

Ion Ratio Lower Upper

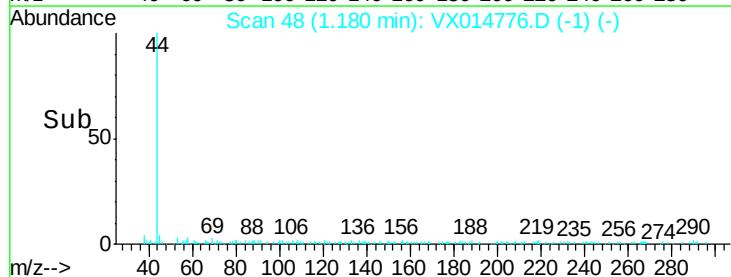
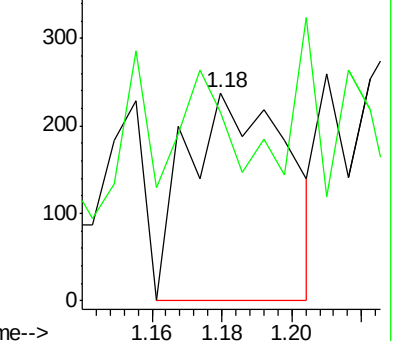
85 100

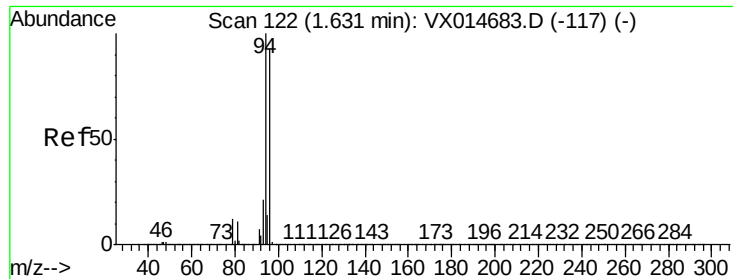
87 36.6 16.2 48.5



Abundance Ion 84.90 (84.60 to 85.60): VX0

Ion 86.90 (86.60 to 87.60): VX0





#5

Bromomethane

Concen: 0.66 ug/l

RT: 1.66 min Scan# 126

Delta R.T. 0.02 min

Lab File: VX014776.D

Acq: 31 Jan 2020 11:30

Instrument :

MSVOA_X

ClientSampled :

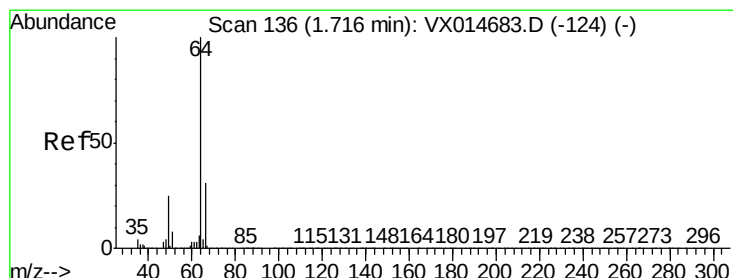
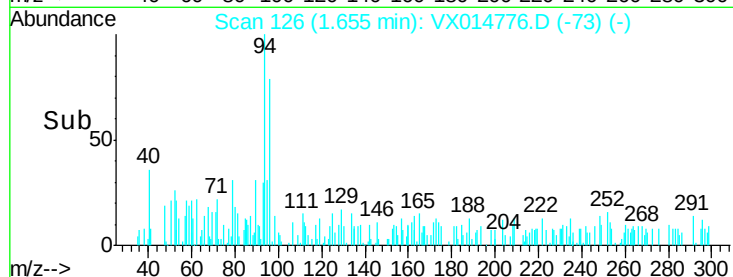
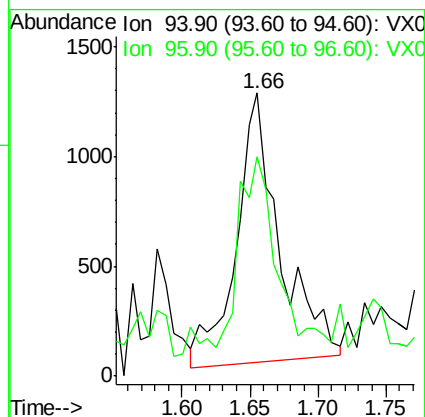
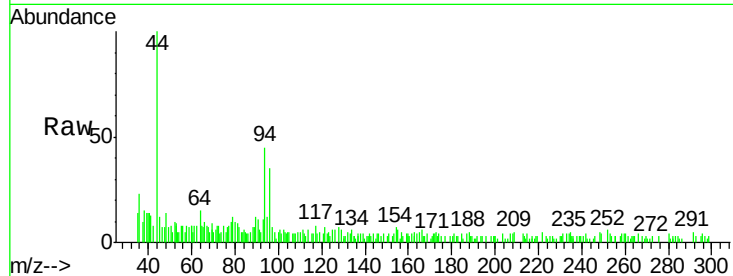
VX0131WBL01

Tgt Ion: 94 Resp: 2763

Ion Ratio Lower Upper

94 100

96 66.7 74.7 112.1#



#6

Chloroethane

Concen: Below Cal

RT: 1.74 min Scan# 140

Delta R.T. 0.02 min

Lab File: VX014776.D

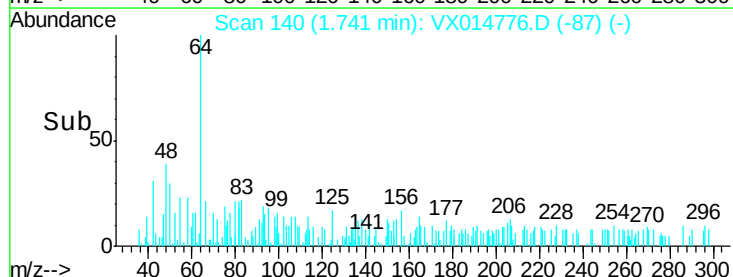
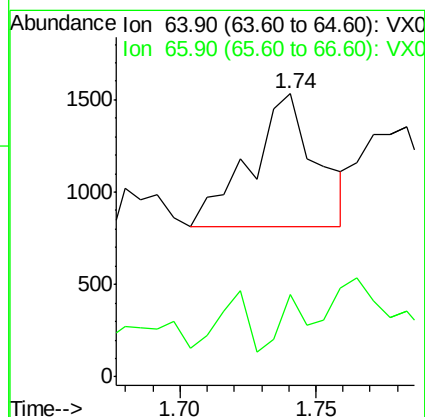
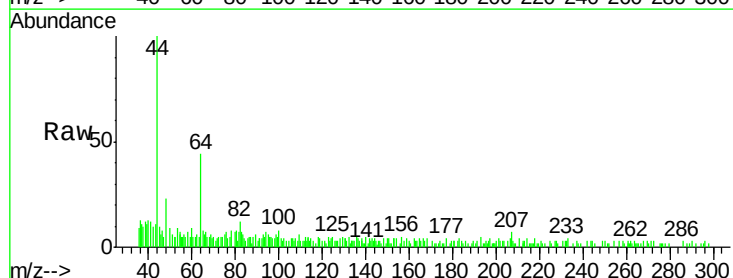
Acq: 31 Jan 2020 11:30

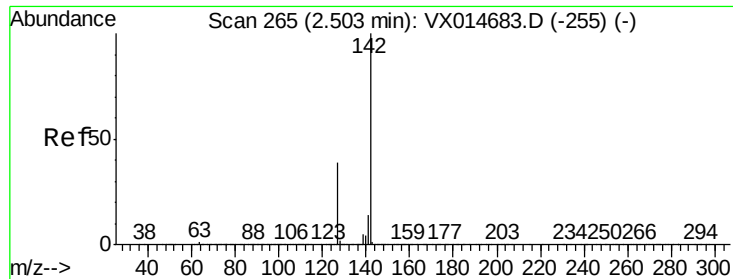
Tgt Ion: 64 Resp: 1215

Ion Ratio Lower Upper

64 100

66 40.4 25.2 37.8#

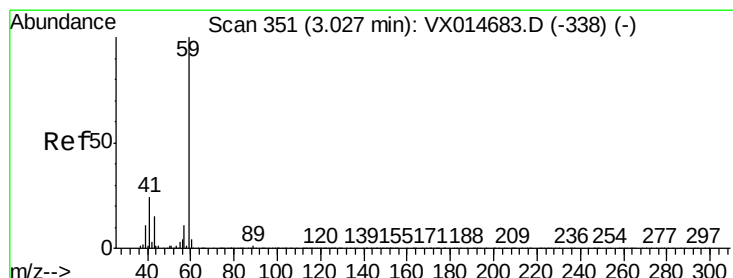
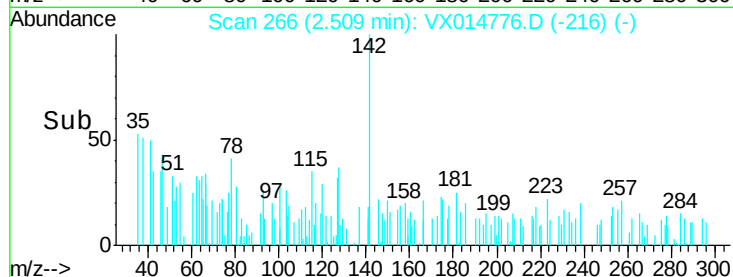
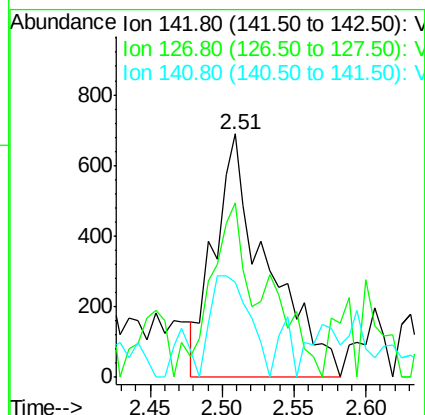
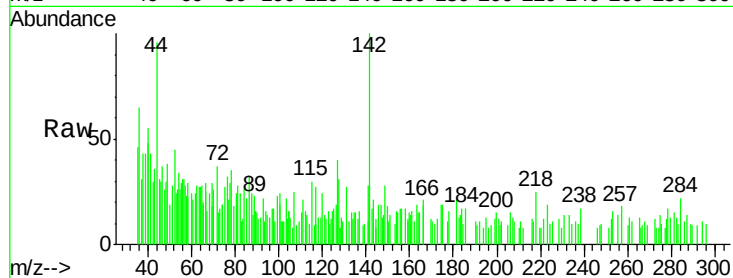




#10
Methyl Iodide
Concen: 0.32 ug/l
RT: 2.51 min Scan# 266
Delta R.T. 0.01 min
Lab File: VX014776.D
Acq: 31 Jan 2020 11:30

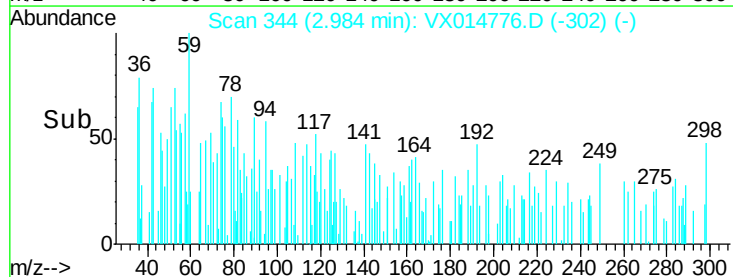
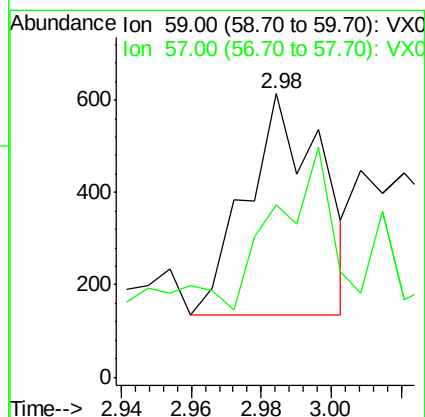
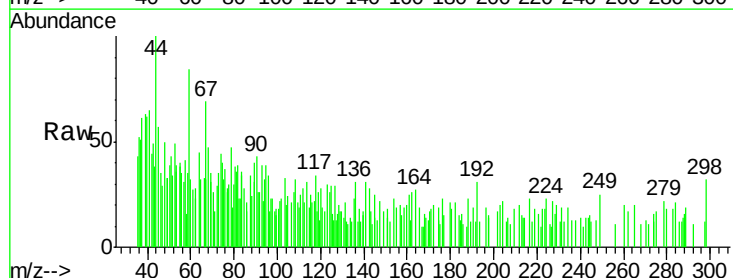
Instrument :
MSVOA_X
ClientSampleId :
VX0131WBL01

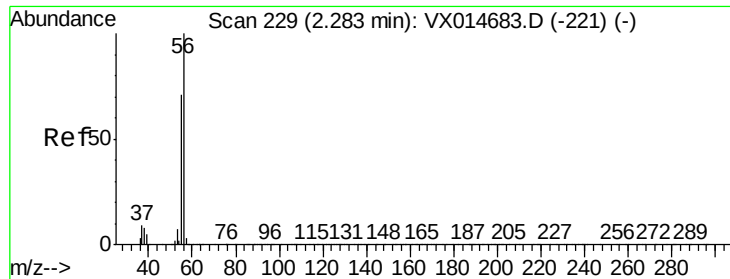
Tgt Ion: 142 Resp: 1753
Ion Ratio Lower Upper
142 100
127 36.1 31.1 46.7
141 30.7 11.3 16.9#



#11
Tert butyl alcohol
Concen: 0.64 ug/l
RT: 2.98 min Scan# 344
Delta R.T. -0.04 min
Lab File: VX014776.D
Acq: 31 Jan 2020 11:30

Tgt Ion: 59 Resp: 709
Ion Ratio Lower Upper
59 100
57 54.2 8.3 12.5#

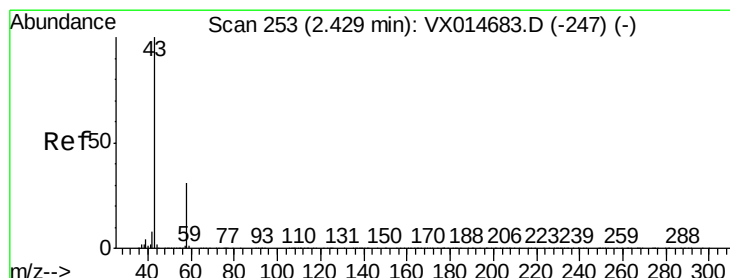
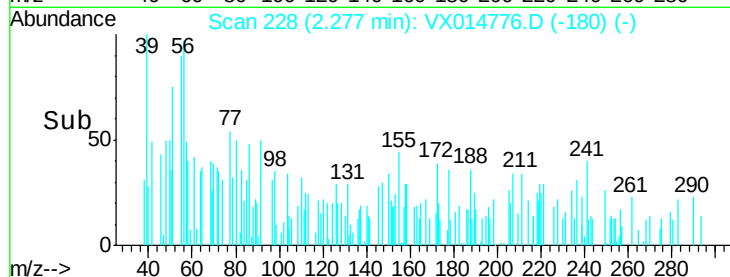
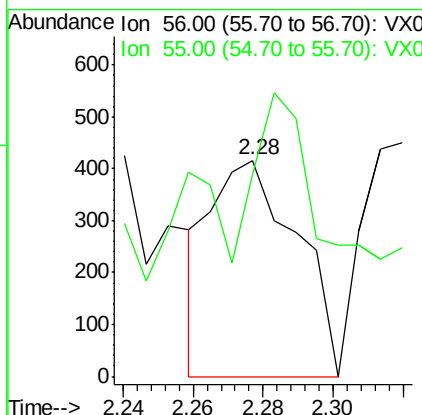
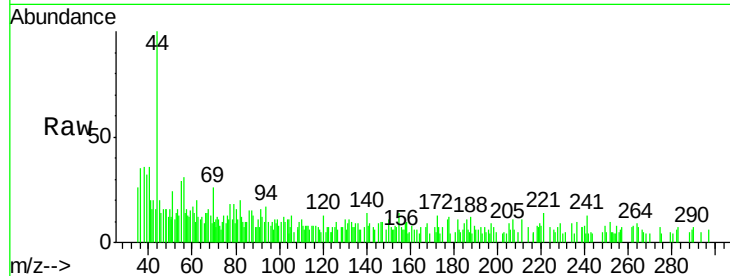




#13
Acrolein
Concen: 0.82 ug/l
RT: 2.28 min Scan# 228
Delta R.T. -0.01 min
Lab File: VX014776.D
Acq: 31 Jan 2020 11:30

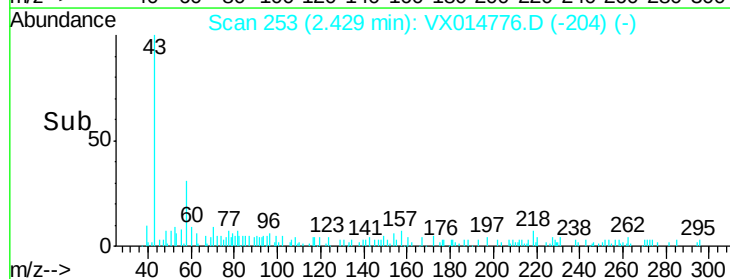
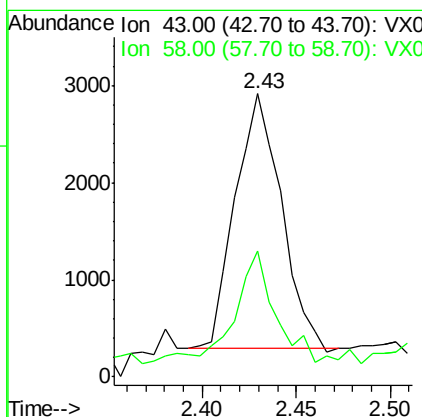
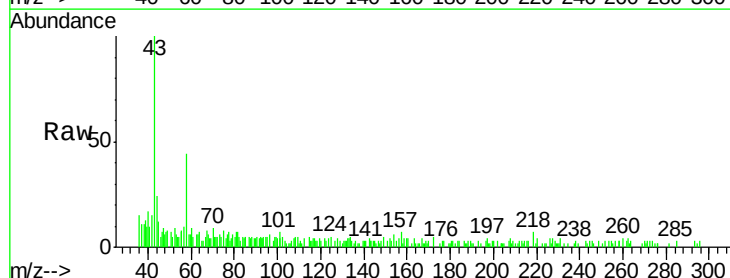
Instrument :
MSVOA_X
ClientSampled :
VX0131WBL01

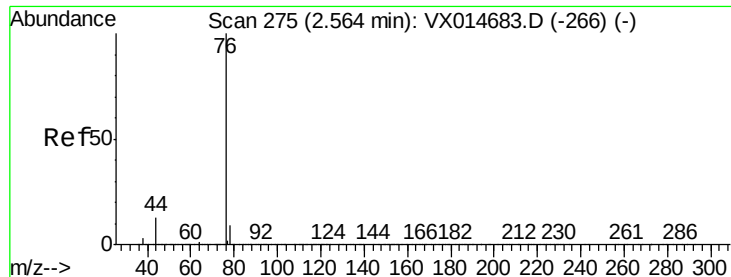
Tgt Ion: 56 Resp: 712
Ion Ratio Lower Upper
56 100
55 46.1 56.6 84.8#



#16
Acetone
Concen: 1.79 ug/l
RT: 2.43 min Scan# 253
Delta R.T. 0.00 min
Lab File: VX014776.D
Acq: 31 Jan 2020 11:30

Tgt Ion: 43 Resp: 4436
Ion Ratio Lower Upper
43 100
58 42.6 24.5 36.7#





#17

Carbon Disulfide

Concen: 0.22 ug/l

RT: 2.56 min Scan# 275

Delta R.T. 0.00 min

Lab File: VX014776.D

Acq: 31 Jan 2020 11:30

Instrument :

MSVOA_X

ClientSampled :

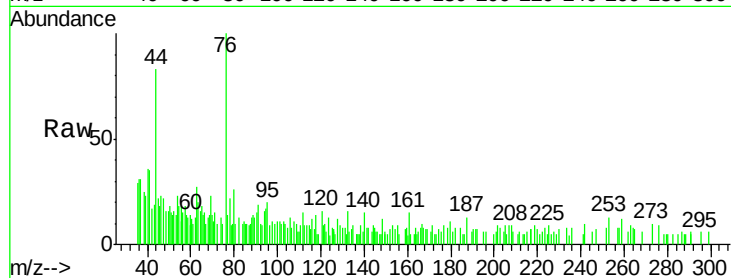
VX0131WBL01

Tgt Ion: 76 Resp: 2482

Ion Ratio Lower Upper

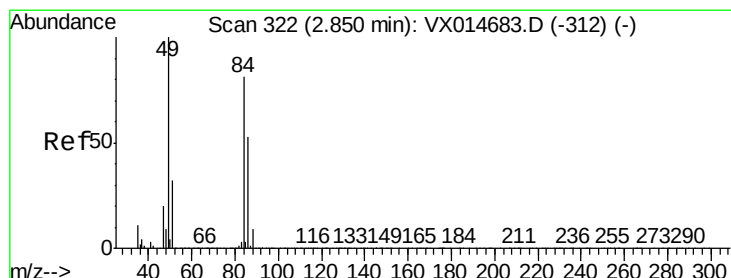
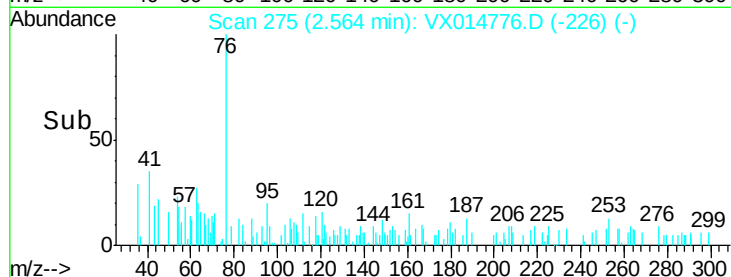
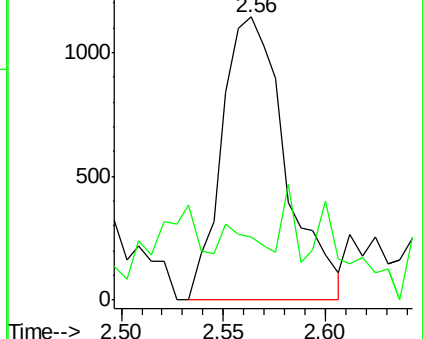
76 100

78 8.3 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: 0.29 ug/l

RT: 2.85 min Scan# 322

Delta R.T. 0.00 min

Lab File: VX014776.D

Acq: 31 Jan 2020 11:30

Tgt Ion: 84 Resp: 1468

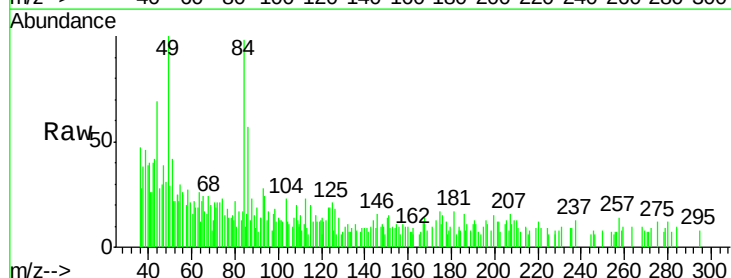
Ion Ratio Lower Upper

84 100

49 47.4 98.2 147.4#

51 13.1 31.3 46.9#

86 39.9 51.8 77.6#

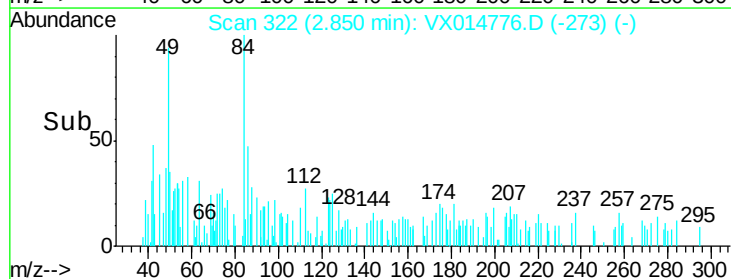
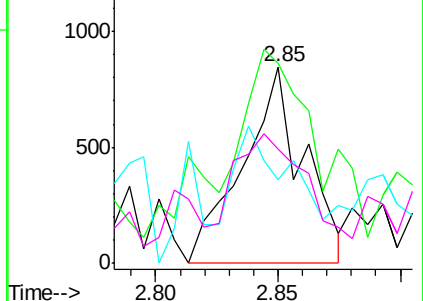


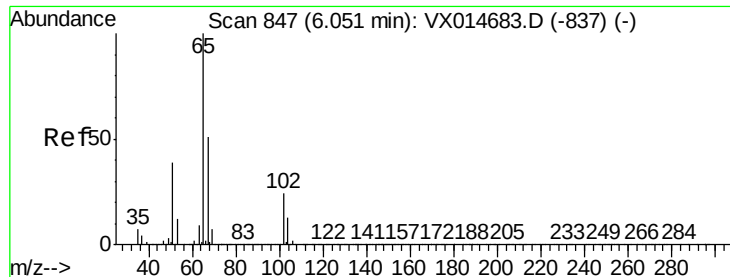
Abundance Ion 83.90 (83.60 to 84.60): VX0

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





#33

1,2-Dichloroethane-d4

Concen: 51.81 ug/l

RT: 6.05 min Scan# 847

Delta R.T. 0.00 min

Lab File: VX014776.D

Acq: 31 Jan 2020 11:30

Instrument :

MSVOA_X

ClientSampled :

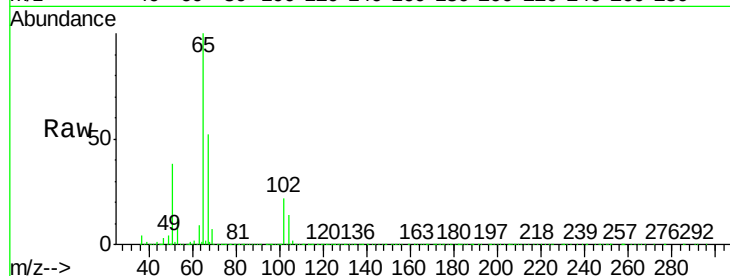
VX0131WBL01

Tgt Ion: 65 Resp: 254935

Ion Ratio Lower Upper

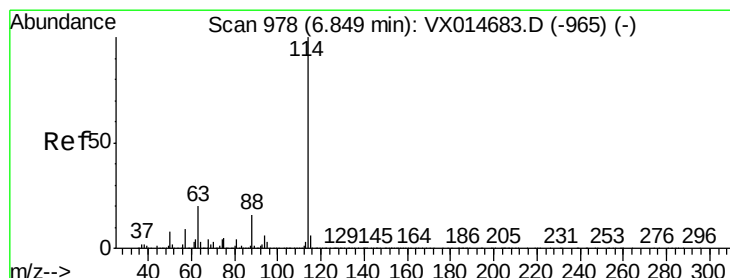
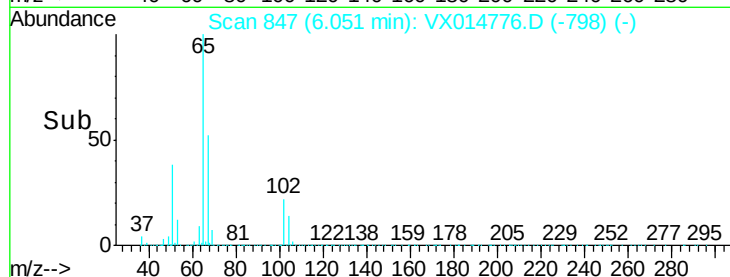
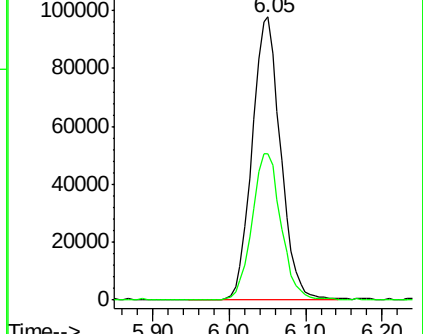
65 100

67 52.6 0.0 107.4



Abundance Ion 64.90 (64.60 to 65.60): VX0

Ion 66.90 (66.60 to 67.60): VX0



#34

1,4-Difluorobenzene

Concen: 50.00 ug/l

RT: 6.85 min Scan# 978

Delta R.T. 0.00 min

Lab File: VX014776.D

Acq: 31 Jan 2020 11:30

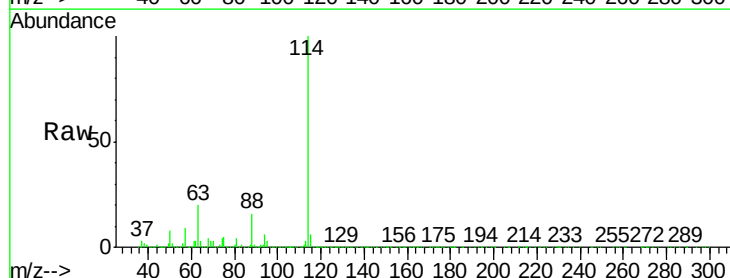
Tgt Ion: 114 Resp: 668549

Ion Ratio Lower Upper

114 100

63 19.4 0.0 40.6

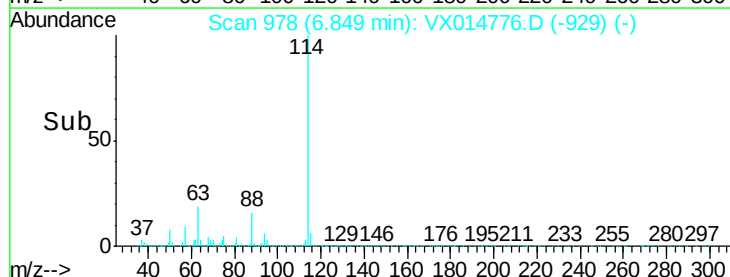
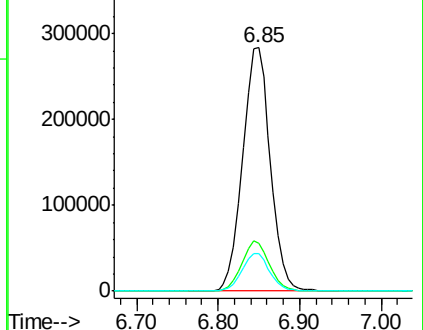
88 15.5 0.0 31.2

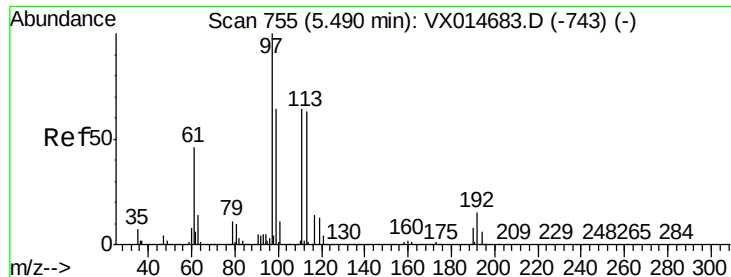


Abundance Ion 113.90 (113.60 to 114.60): V

Ion 63.00 (62.70 to 63.70): VX0

Ion 87.90 (87.60 to 88.60): VX0





#35

Dibromofluoromethane

Concen: 50.27 ug/l

RT: 5.48 min Scan# 754

Delta R.T. -0.01 min

Lab File: VX014776.D

Acq: 31 Jan 2020 11:30

Instrument :

MSVOA_X

ClientSampleId :

VX0131WBL01

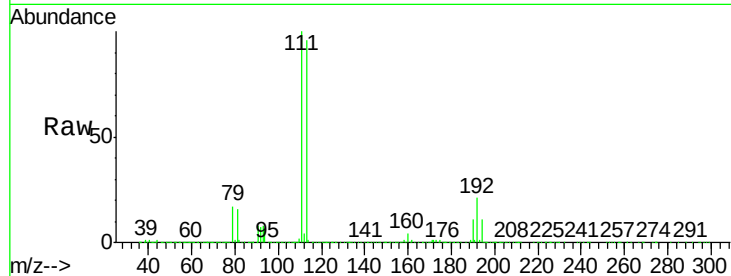
Tgt Ion:113 Resp: 212050

Ion Ratio Lower Upper

113 100

111 102.1 80.7 121.1

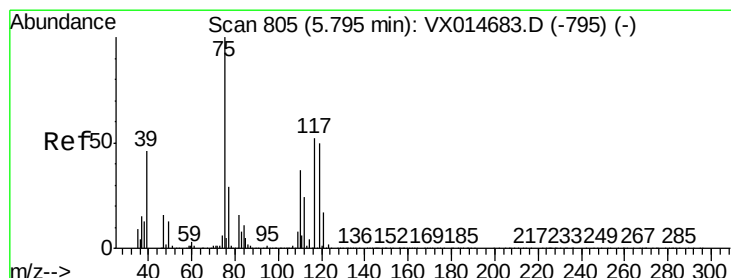
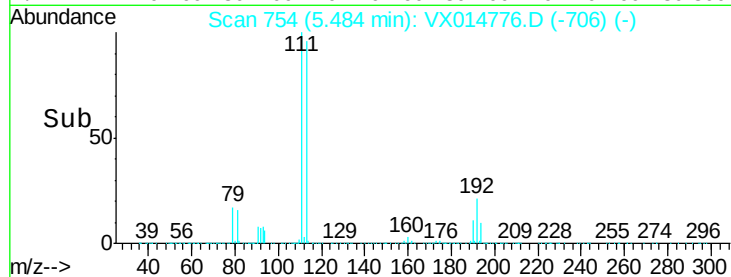
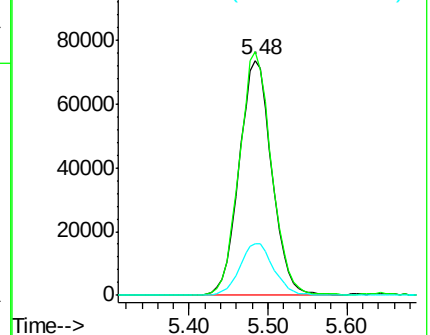
192 22.8 18.5 27.7



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: 4.77 ug/l

RT: 5.64 min Scan# 780

Delta R.T. -0.15 min

Lab File: VX014776.D

Acq: 31 Jan 2020 11:30

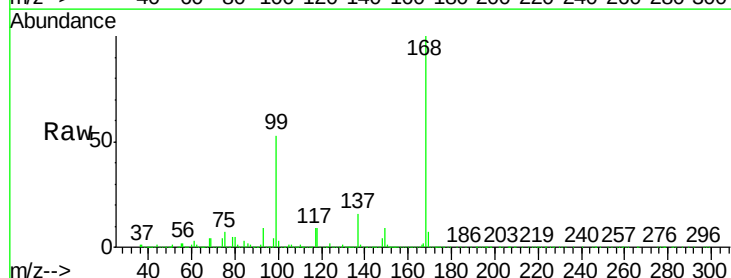
Tgt Ion: 75 Resp: 29652

Ion Ratio Lower Upper

75 100

110 10.1 17.9 53.7#

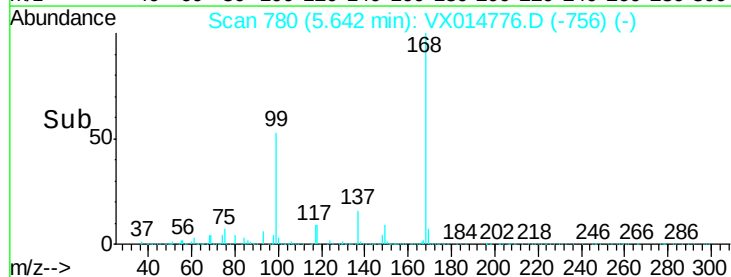
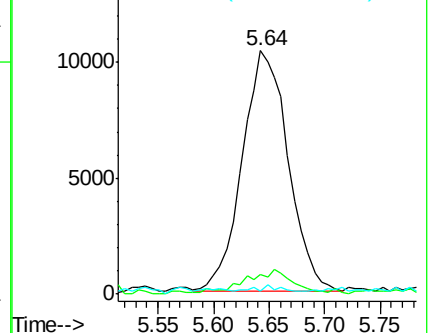
77 1.3 24.1 36.1#

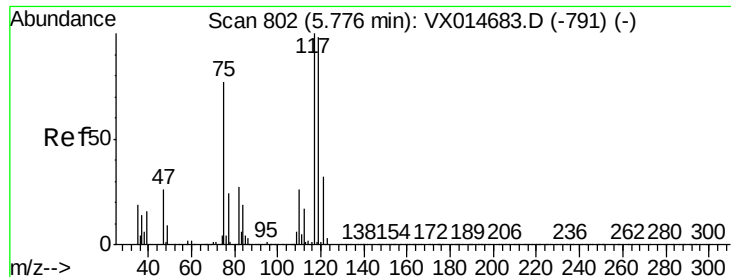


Abundance Ion 74.90 (74.60 to 75.60): VX0

Ion 109.90 (109.60 to 110.60): V

Ion 76.90 (76.60 to 77.60): VX0

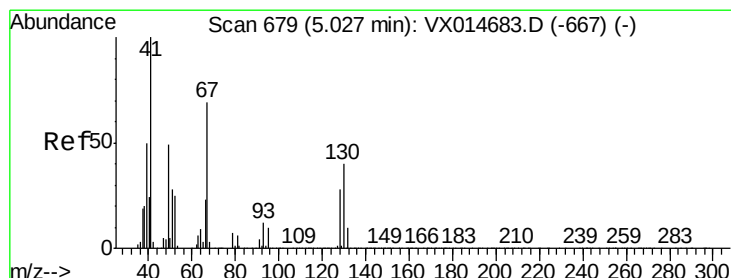
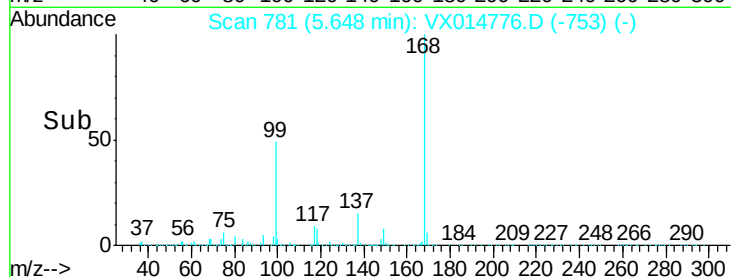
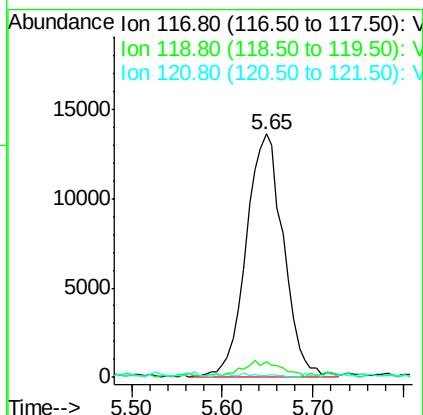
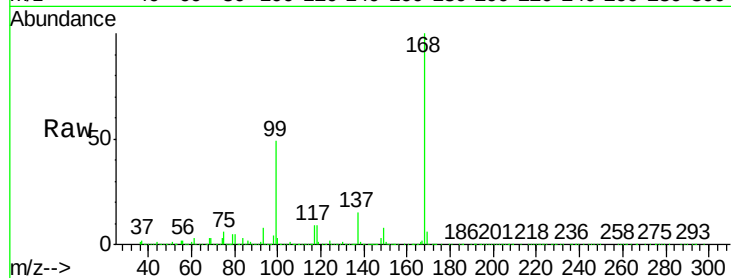




#38
Carbon Tetrachloride
Concen: 6.56 ug/l
RT: 5.65 min Scan# 781
Delta R.T. -0.13 min
Lab File: VX014776.D
Acq: 31 Jan 2020 11:30

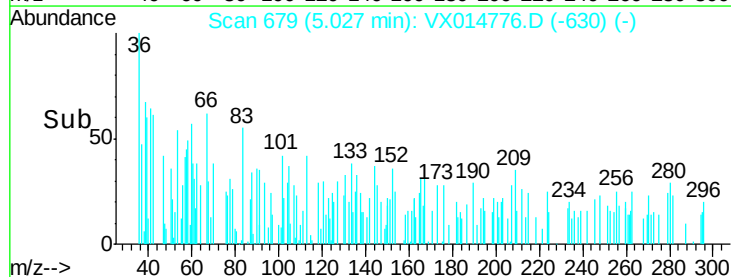
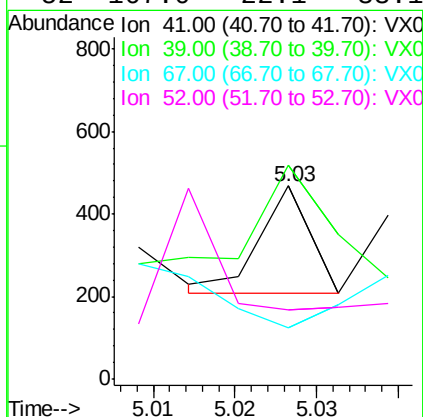
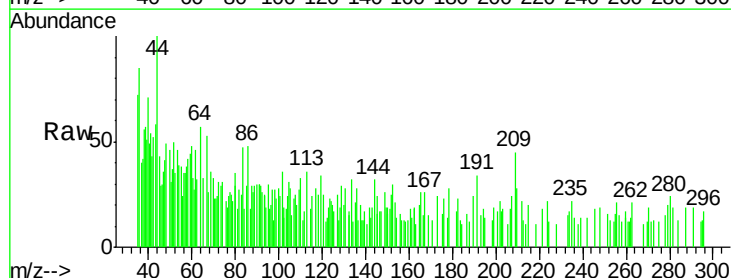
Instrument :
MSVOA_X
ClientSampleId :
VX0131WBL01

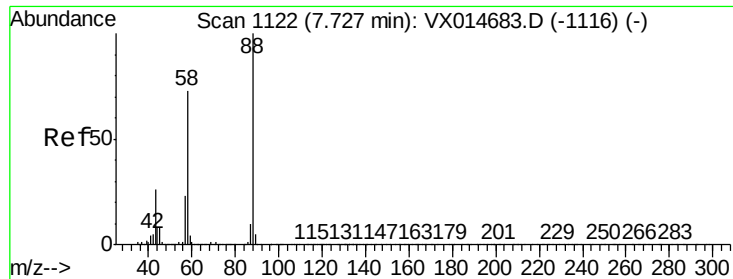
Tgt Ion: 117 Resp: 38921
Ion Ratio Lower Upper
117 100
119 5.2 77.9 116.9#
121 0.3 25.4 38.2#



#41
Methacrylonitrile
Concen: Below Cal
RT: 5.03 min Scan# 679
Delta R.T. 0.00 min
Lab File: VX014776.D
Acq: 31 Jan 2020 11:30

Tgt Ion: 41 Resp: 109
Ion Ratio Lower Upper
41 100
39 245.0 42.2 63.2#
67 206.4 55.4 83.0#
52 167.0 22.1 33.1#





#49

1,4-Dioxane

Concen: 4.36 ug/l

RT: 7.74 min Scan# 1124

Delta R.T. 0.01 min

Lab File: VX014776.D

Acq: 31 Jan 2020 11:30

Instrument :

MSVOA_X

ClientSampled :

VX0131WBL01

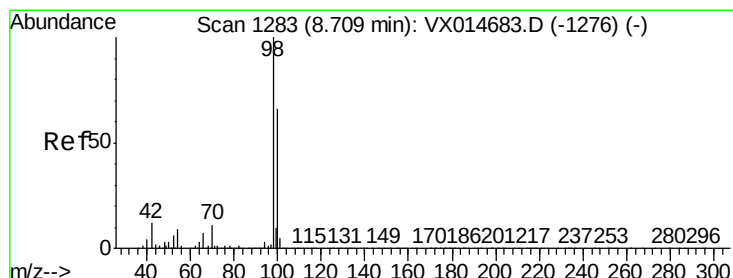
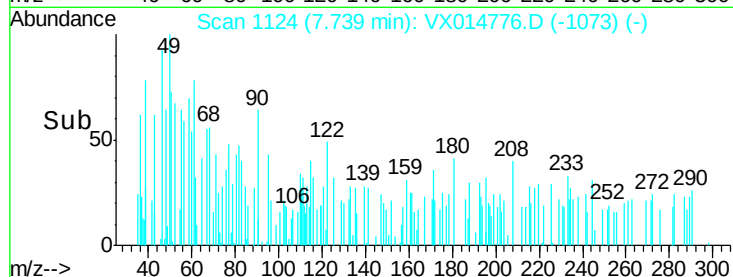
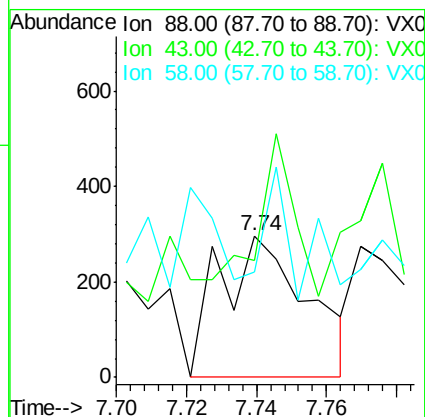
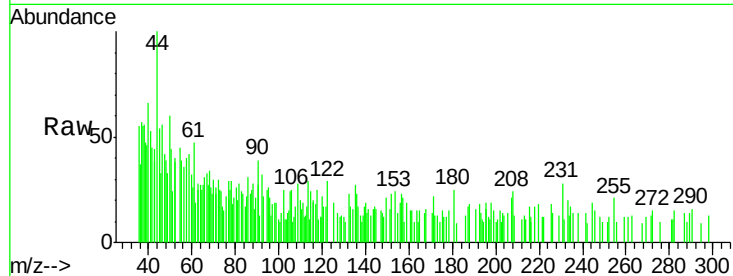
Tgt Ion: 88 Resp: 515

Ion Ratio Lower Upper

88 100

43 77.5 26.2 39.2#

58 64.9 56.6 85.0



#50

Toluene-d8

Concen: 49.20 ug/l

RT: 8.71 min Scan# 1283

Delta R.T. 0.00 min

Lab File: VX014776.D

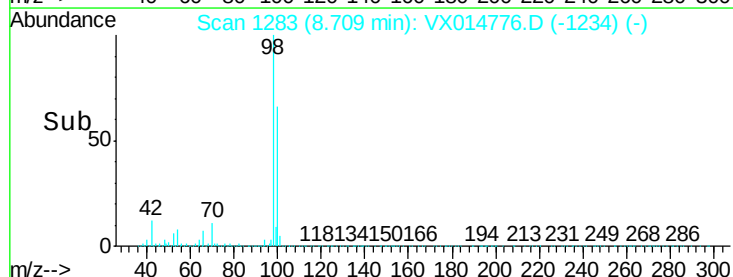
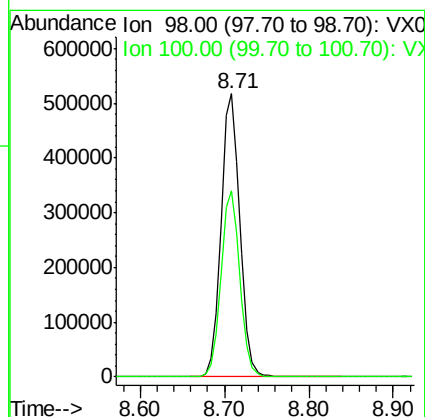
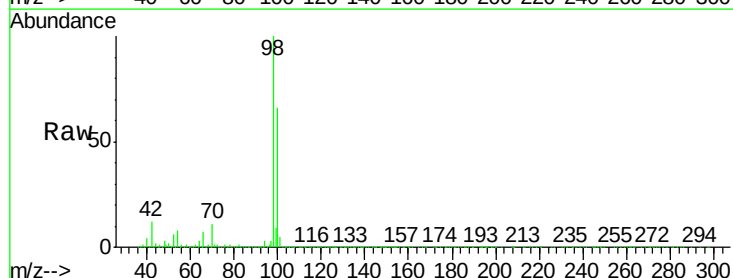
Acq: 31 Jan 2020 11:30

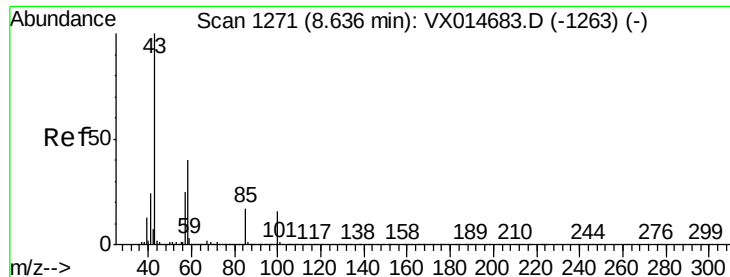
Tgt Ion: 98 Resp: 797929

Ion Ratio Lower Upper

98 100

100 65.5 53.0 79.6





#51

4-Methyl-2-Pentanone

Concen: 0.20 ug/l

RT: 8.64 min Scan# 1271

Delta R.T. 0.00 min

Lab File: VX014776.D

Acq: 31 Jan 2020 11:30

Instrument :

MSVOA_X

ClientSampled :

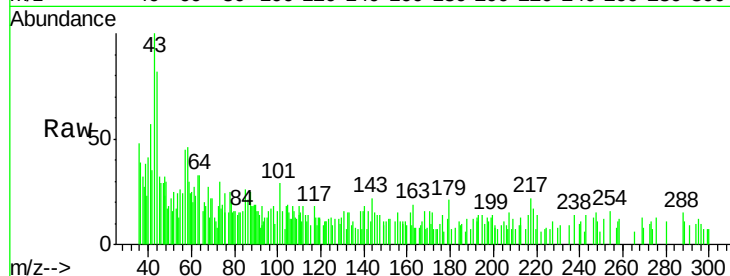
VX0131WBL01

Tgt Ion: 43 Resp: 1477

Ion Ratio Lower Upper

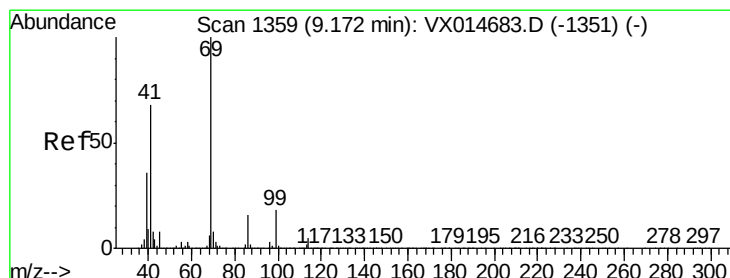
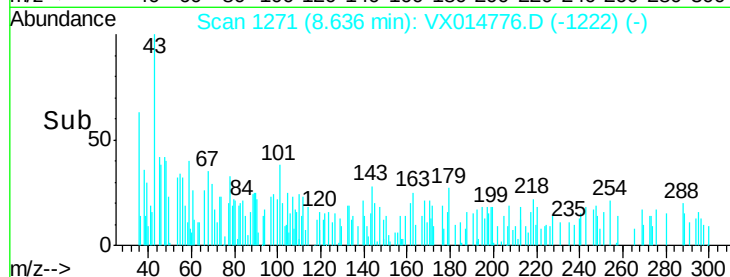
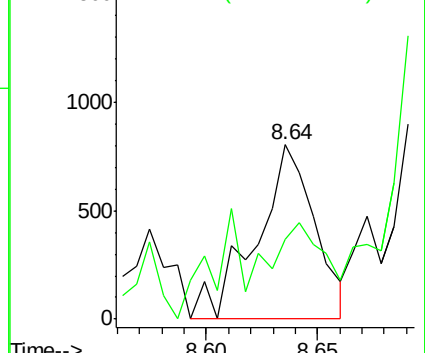
43 100

58 33.3 31.6 47.4



Abundance Ion 43.00 (42.70 to 43.70): VX0

Ion 58.00 (57.70 to 58.70): VX0



#56

Ethyl methacrylate

Concen: 1.85 ug/l

RT: 9.16 min Scan# 1357

Delta R.T. -0.01 min

Lab File: VX014776.D

Acq: 31 Jan 2020 11:30

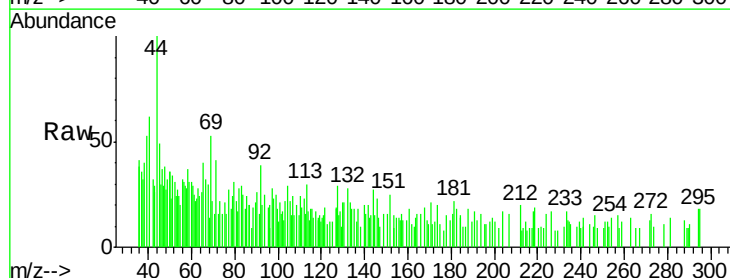
Tgt Ion: 69 Resp: 520

Ion Ratio Lower Upper

69 100

41 0.0 54.9 82.3#

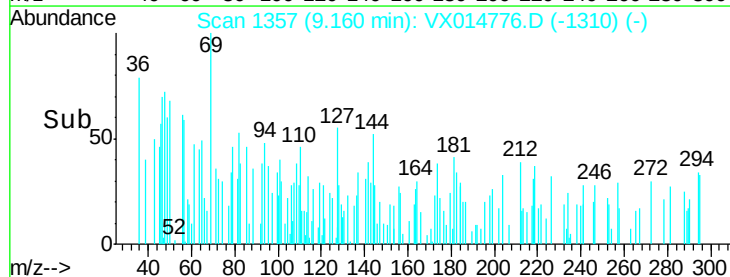
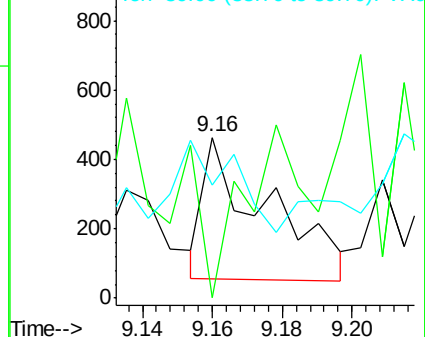
39 73.3 29.3 43.9#

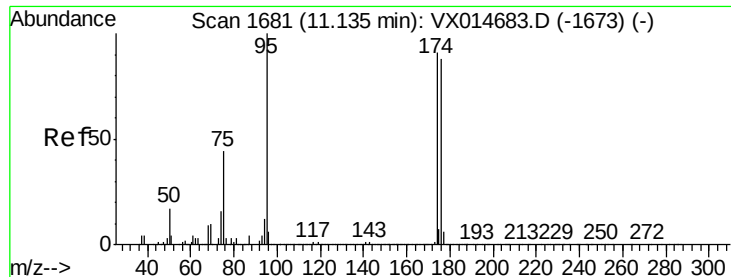


Abundance Ion 69.00 (68.70 to 69.70): VX0

Ion 41.00 (40.70 to 41.70): VX0

Ion 39.00 (38.70 to 39.70): VX0





#62

4-Bromofluorobenzene

Concen: 46.29 ug/l

RT: 11.13 min Scan# 1680

Delta R.T. -0.01 min

Lab File: VX014776.D

Acq: 31 Jan 2020 11:30

Instrument :

MSVOA_X

ClientSampleId :

VX0131WBL01

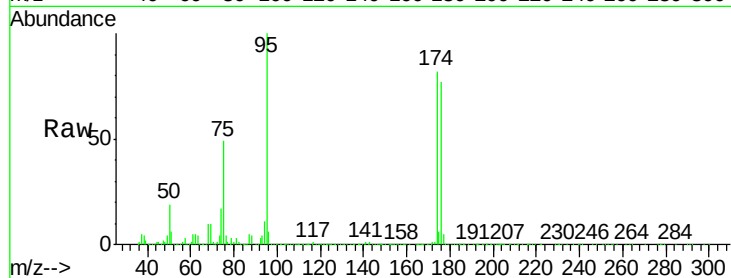
Tgt Ion: 95 Resp: 267431

Ion Ratio Lower Upper

95 100

174 89.6 0.0 176.0

176 84.4 0.0 172.2

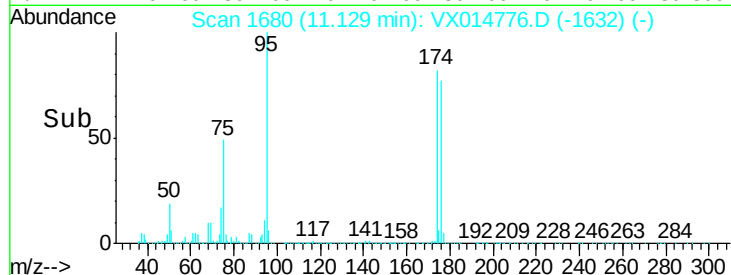


Abundance Ion 94.90 (94.60 to 95.60): VX014683.D (-1673) (-)

Ion 173.80 (173.50 to 174.50): VX014683.D (-1673) (-)

Ion 175.80 (175.50 to 176.50): VX014683.D (-1673) (-)

Time-->



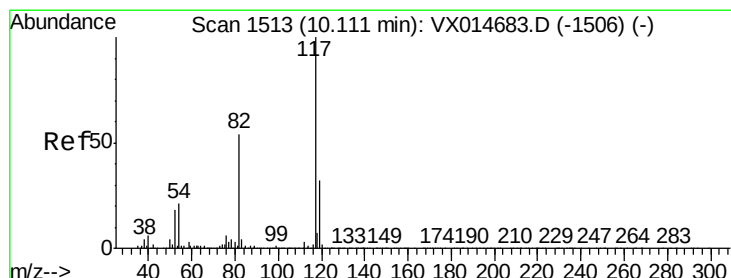
Abundance

Ion 94.90 (94.60 to 95.60): VX014683.D (-1673) (-)

Ion 173.80 (173.50 to 174.50): VX014683.D (-1673) (-)

Ion 175.80 (175.50 to 176.50): VX014683.D (-1673) (-)

Time-->



#63

Chlorobenzene-d5

Concen: 50.00 ug/l

RT: 10.10 min Scan# 1512

Delta R.T. -0.01 min

Lab File: VX014776.D

Acq: 31 Jan 2020 11:30

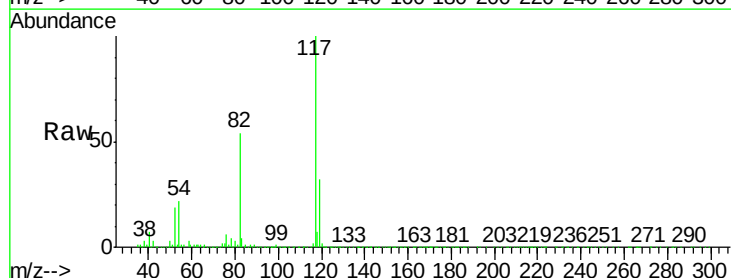
Tgt Ion: 117 Resp: 617879

Ion Ratio Lower Upper

117 100

82 54.3 43.2 64.8

119 32.0 25.8 38.6

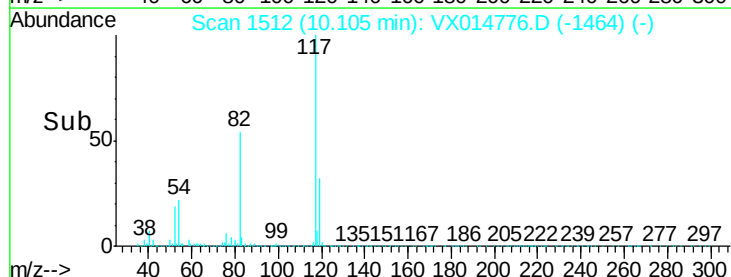


Abundance Ion 116.90 (116.60 to 117.60): VX014683.D (-1506) (-)

Ion 82.00 (81.70 to 82.70): VX014683.D (-1506) (-)

Ion 118.90 (118.60 to 119.60): VX014683.D (-1506) (-)

Time-->



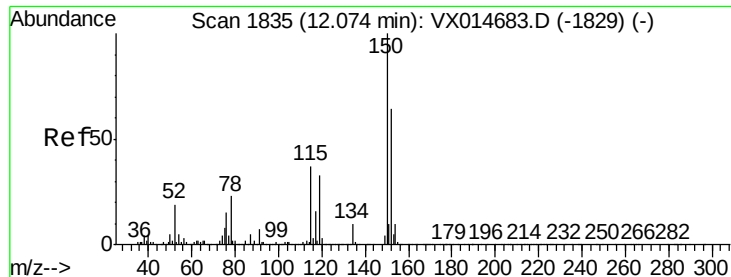
Abundance

Ion 116.90 (116.60 to 117.60): VX014683.D (-1506) (-)

Ion 82.00 (81.70 to 82.70): VX014683.D (-1506) (-)

Ion 118.90 (118.60 to 119.60): VX014683.D (-1506) (-)

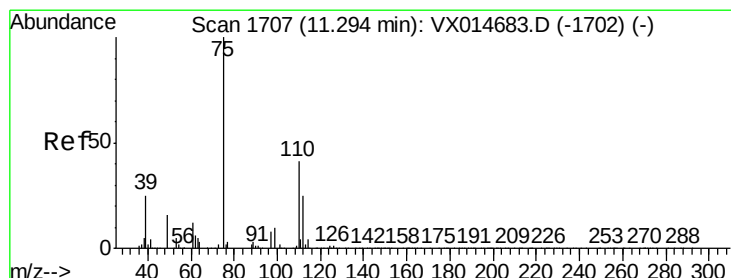
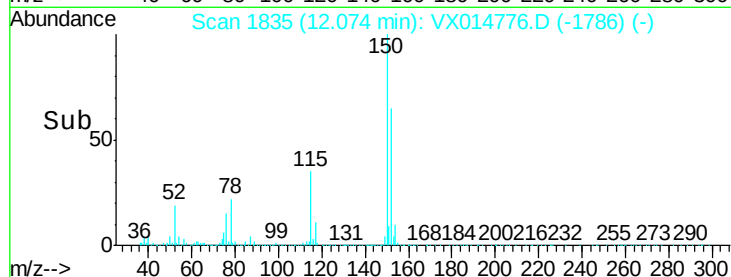
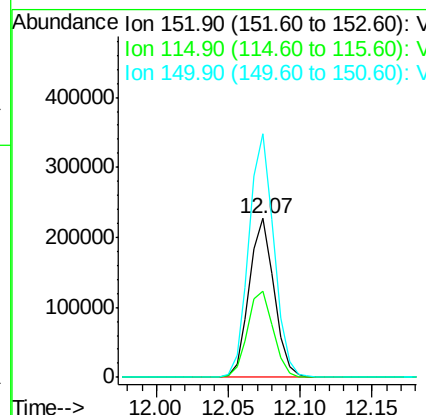
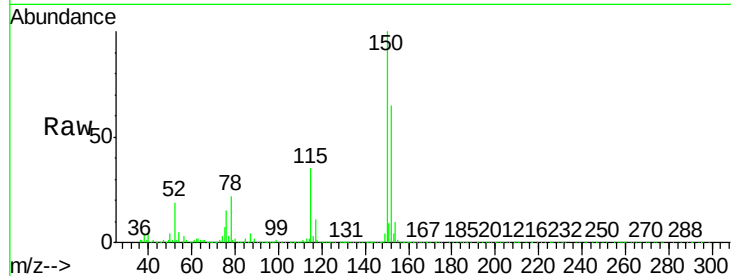
Time-->



#72
 1,4-Dichlorobenzene-d4
 Concen: 50.00 ug/l
 RT: 12.07 min Scan# 1835
 Delta R.T. 0.00 min
 Lab File: VX014776.D
 Acq: 31 Jan 2020 11:30

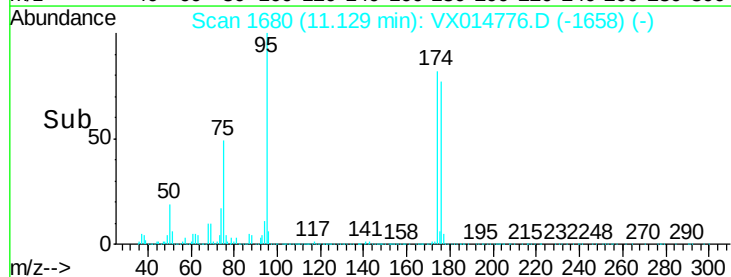
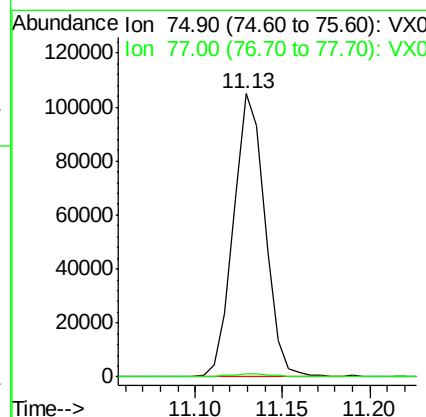
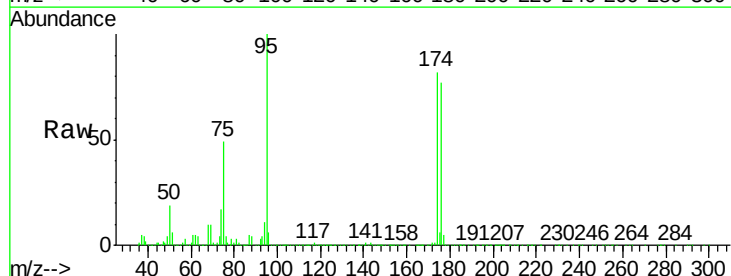
Instrument :
 MSVOA_X
 ClientSampleId :
 VX0131WBL01

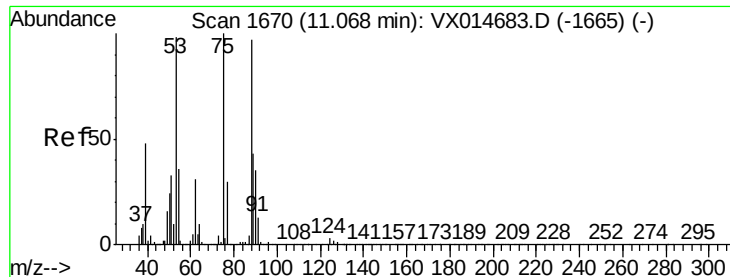
Tgt Ion: 152 Resp: 271486
 Ion Ratio Lower Upper
 152 100
 115 55.9 39.4 118.1
 150 154.0 0.0 351.2



#76
 1,2,3-Trichloropropane
 Concen: 20.88 ug/l
 RT: 11.13 min Scan# 1680
 Delta R.T. -0.16 min
 Lab File: VX014776.D
 Acq: 31 Jan 2020 11:30

Tgt Ion: 75 Resp: 131881
 Ion Ratio Lower Upper
 75 100
 77 1.4 18.7 56.1#

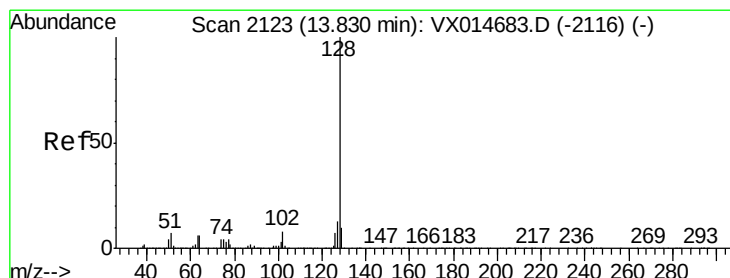
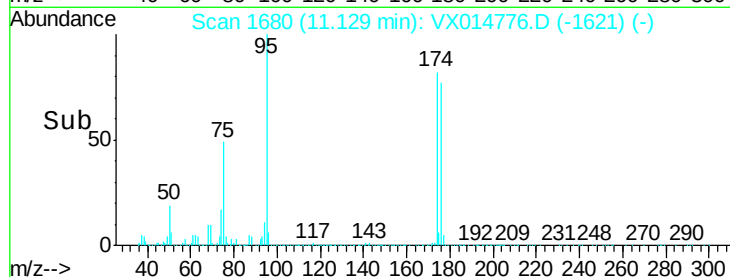
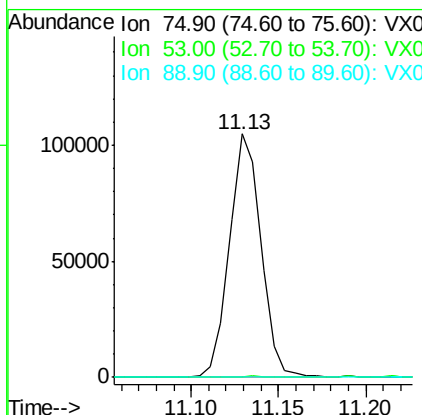
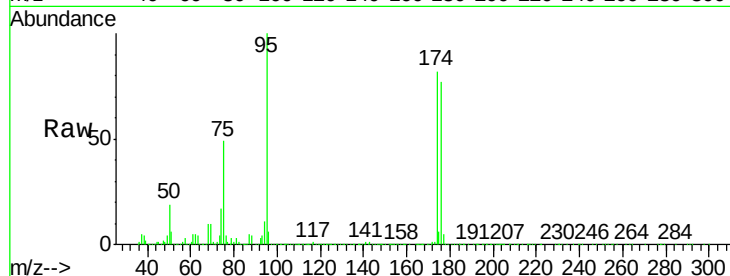




#81
trans-1,4-Dichloro-2-butene
Concen: 59.42 ug/l
RT: 11.13 min Scan# 1680
Delta R.T. 0.06 min
Lab File: VX014776.D
Acq: 31 Jan 2020 11:30

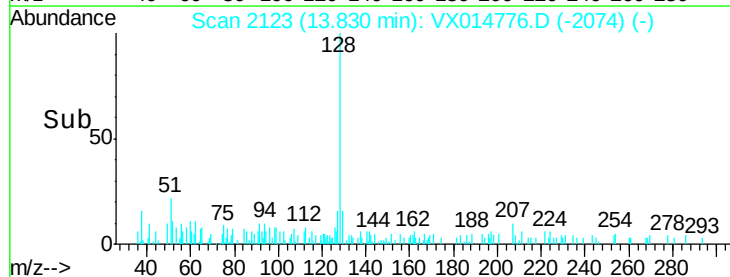
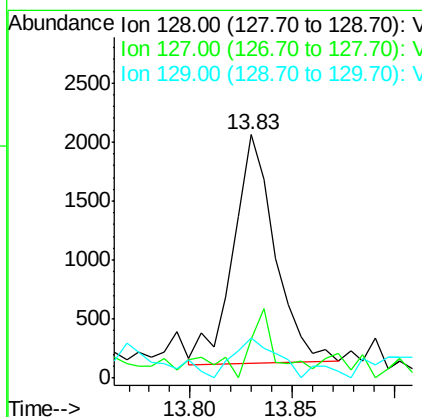
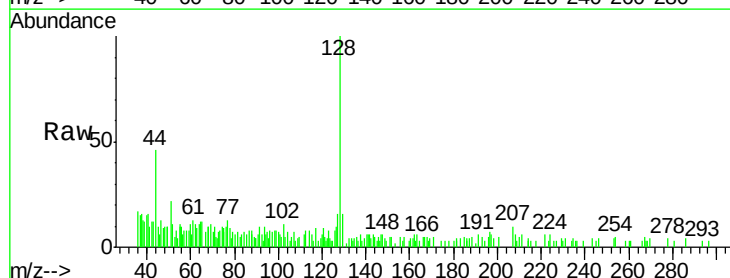
Instrument :
MSVOA_X
ClientSampleId :
VX0131WBL01

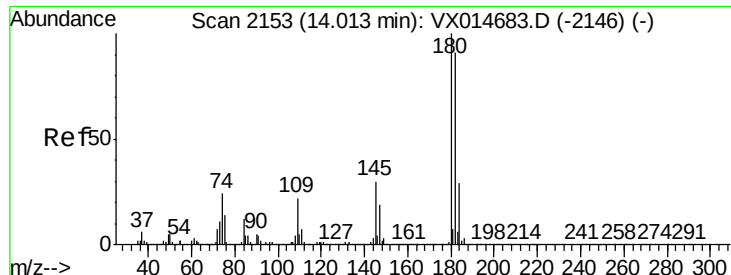
Tgt Ion: 75 Resp: 131881
Ion Ratio Lower Upper
75 100
53 0.3 78.8 118.2#
89 0.0 35.4 53.0#



#95
Naphthalene
Concen: 1.07 ug/l
RT: 13.83 min Scan# 2123
Delta R.T. 0.00 min
Lab File: VX014776.D
Acq: 31 Jan 2020 11:30

Tgt Ion: 128 Resp: 2754
Ion Ratio Lower Upper
128 100
127 18.7 10.3 15.5#
129 17.6 8.6 12.8#

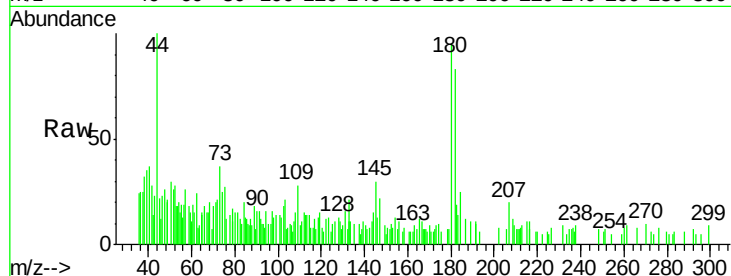




#96
 1,2,3-Trichlorobenzene
 Concen: 0.25 ug/l
 RT: 14.01 min Scan# 2153
 Delta R.T. 0.00 min
 Lab File: VX014776.D
 Acq: 31 Jan 2020 11:30

Instrument :
 MSVOA_X
 ClientSampleId :
 VX0131WBL01

Tgt Ion	Ratio	Lower	Upper
180	100		
182	70.4	46.6	139.7
145	48.2	14.7	44.1



Abundance Ion 179.80 (179.50 to 180.50): V
 Ion 181.80 (181.50 to 182.50): V
 Ion 144.90 (144.60 to 145.60): V

