

Data Path : Z:\VOASRV\HPCHEM1\MSVOA_X\DATA\VX020620\
 Data File : VX014838.D
 Acq On : 06 Feb 2020 11:01
 Operator : JC/SP
 Sample : VX0206MBL01
 Misc : 5.0g/10mL/100uL/5.00mL/MSVOA_X/MEOH
 ALS Vial : 3 Sample Multiplier: 1

Instrument :
 MSVOA_X
 ClientSampleId :
 VX0206MBL01

Quant Time: Feb 06 14:34:55 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	440997	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	6.85	114	682067	50.00	ug/l	0.00
63) Chlorobenzene-d5	10.10	117	618417	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	12.07	152	282979	50.00	ug/l	0.00

System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	6.05	65	254546	49.43	ug/l	0.00
Spiked Amount	50.000		Recovery	=	98.86%	
35) Dibromofluoromethane	5.48	113	208914	48.54	ug/l	0.00
Spiked Amount	50.000		Recovery	=	97.08%	
50) Toluene-d8	8.71	98	813081	49.14	ug/l	0.00
Spiked Amount	50.000		Recovery	=	98.28%	
62) 4-Bromofluorobenzene	11.13	95	273014	46.32	ug/l	0.00
Spiked Amount	50.000		Recovery	=	92.64%	

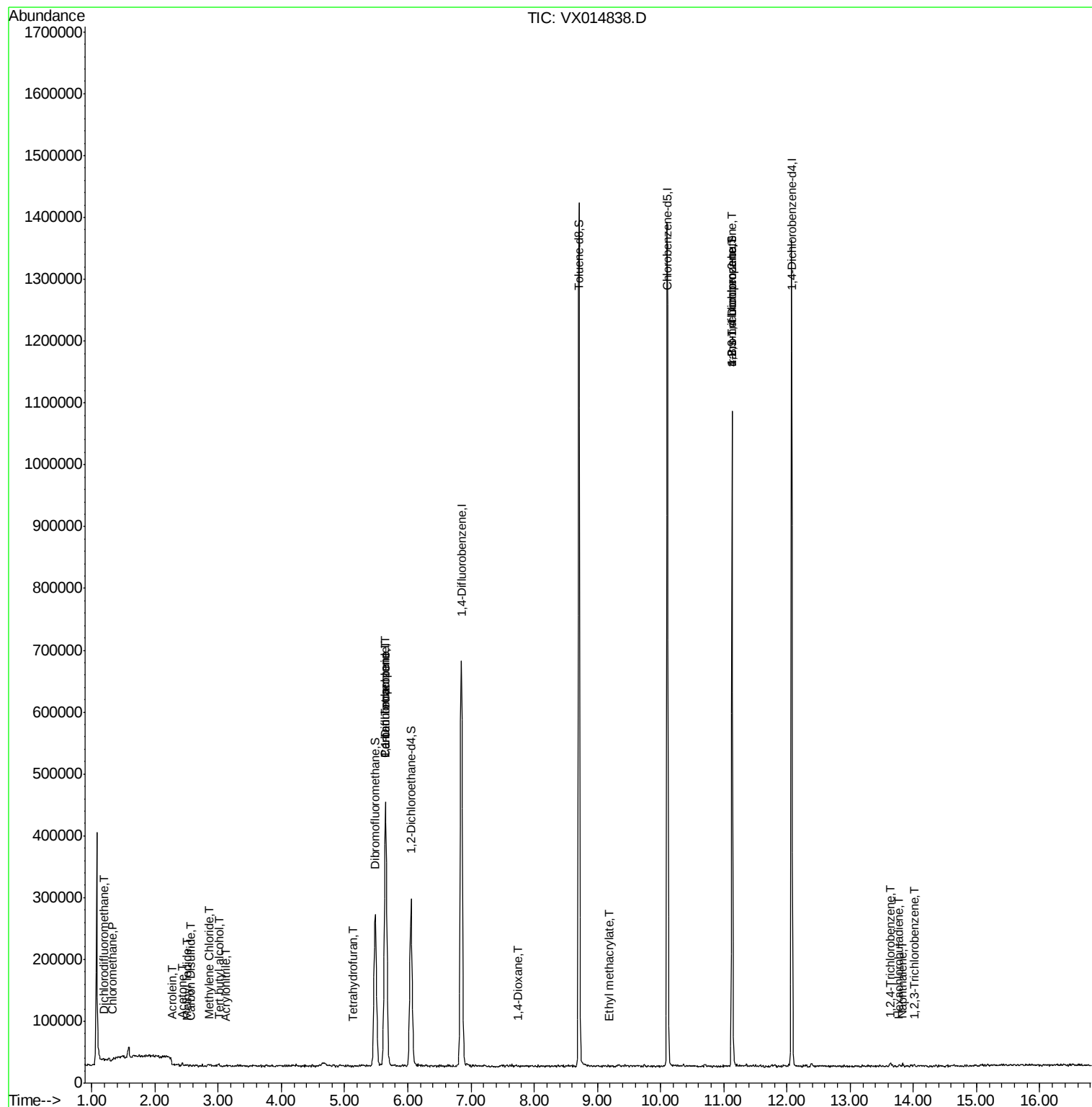
Target Compounds	R.T.	QIon	Response	Conc	Units	Qvalue
2) Dichlorodifluoromethane	1.20	85	198	0.56	ug/l #	47
3) Chloromethane	1.32	50	1360	0.23	ug/l #	77
6) Chloroethane	1.69	64	515	Below Cal	#	73
10) Methyl Iodide	2.51	142	1695	0.29	ug/l #	50
11) Tert butyl alcohol	3.01	59	1768	1.53	ug/l	98
13) Acrolein	2.28	56	220	0.24	ug/l #	1
15) Acrylonitrile	3.11	53	702	0.26	ug/l #	1
16) Acetone	2.43	43	4166	1.63	ug/l	97
17) Carbon Disulfide	2.56	76	2988	0.25	ug/l #	84
20) Methylene Chloride	2.84	84	1761	0.34	ug/l #	72
29) Tetrahydrofuran	5.12	42	773	0.32	ug/l	95
36) 1,1-Dichloropropene	5.65	75	28938	4.57	ug/l #	52
38) Carbon Tetrachloride	5.65	117	39080	6.46	ug/l #	17
41) Methacrylonitrile	5.06	41	881	Below Cal	#	59
49) 1,4-Dioxane	7.74	88	73	0.61	ug/l #	1
56) Ethyl methacrylate	9.18	69	358	1.83	ug/l #	1
76) 1,2,3-Trichloropropane	11.13	75	139020	21.12	ug/l #	40
81) trans-1,4-Dichloro-2-buten	11.13	75	139020	60.09	ug/l #	11
93) 1,2,4-Trichlorobenzene	13.64	180	1324	0.22	ug/l #	54
94) Hexachlorobutadiene	13.77	225	696	0.22	ug/l	79
95) Naphthalene	13.83	128	3524	1.11	ug/l #	88
96) 1,2,3-Trichlorobenzene	14.02	180	1500	0.24	ug/l #	86

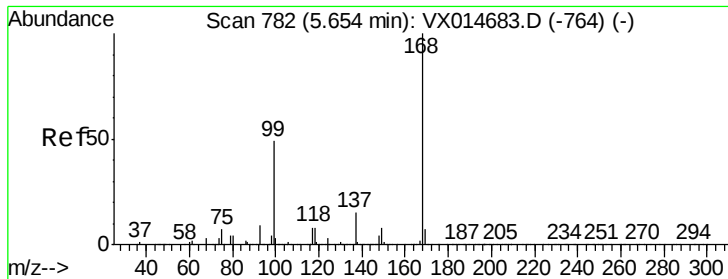
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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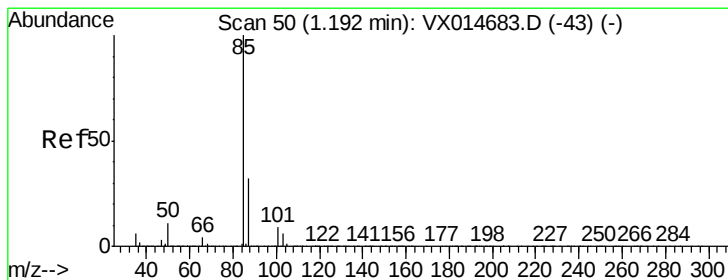
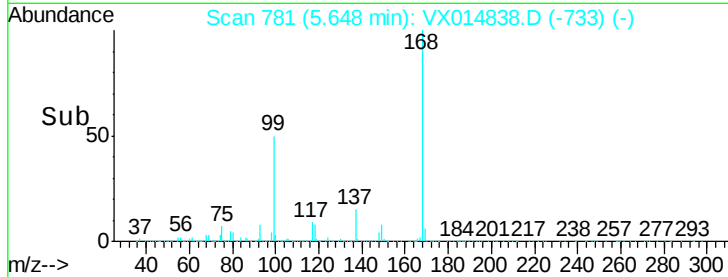
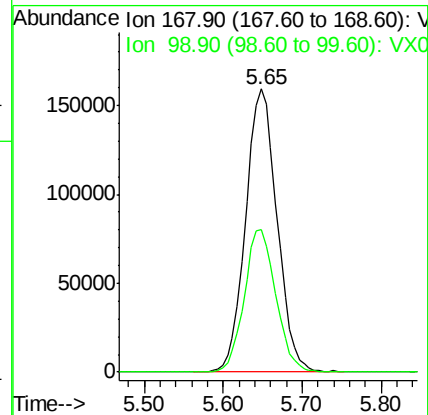
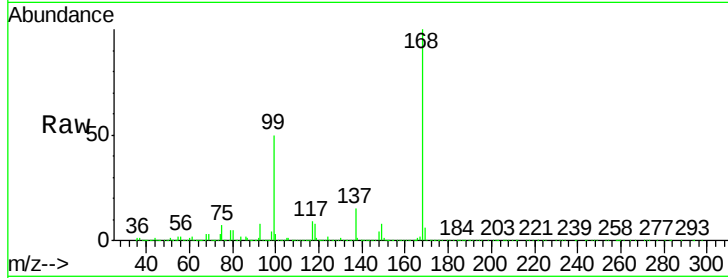


#1

Pentafluorobenzene
 Concen: 50.00 ug/l
 RT: 5.65 min Scan# 781
 Delta R.T. -0.01 min
 Lab File: VX014838.D
 Acq: 06 Feb 2020 11:01

Instrument :
 MSVOA_X
 ClientSampleId :
 VX0206MBL01

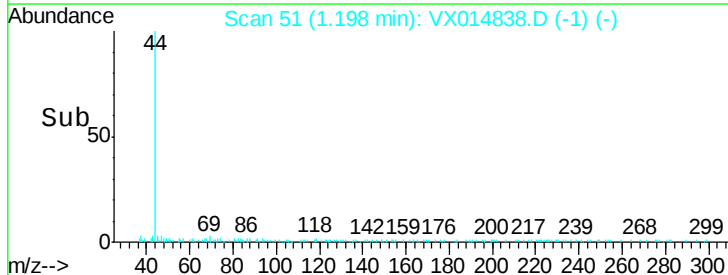
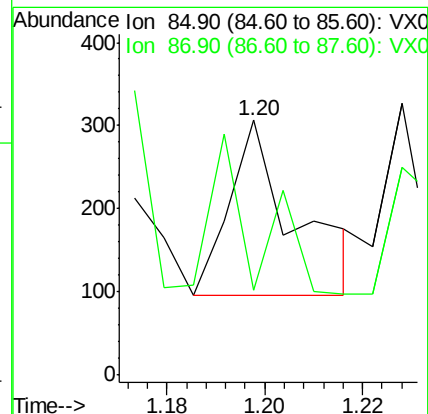
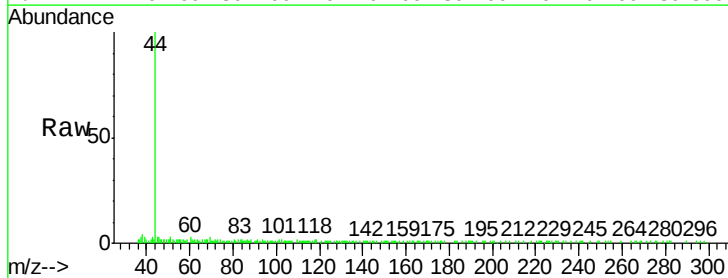
Tgt Ion: 168 Resp: 440997
 Ion Ratio Lower Upper
 168 100
 99 50.2 39.8 59.6

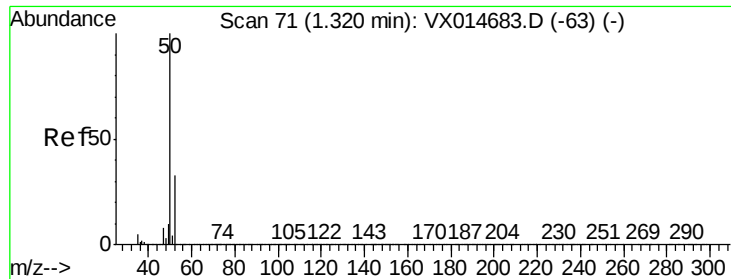


#2

Dichlorodifluoromethane
 Concen: 0.56 ug/l
 RT: 1.20 min Scan# 51
 Delta R.T. 0.01 min
 Lab File: VX014838.D
 Acq: 06 Feb 2020 11:01

Tgt Ion: 85 Resp: 198
 Ion Ratio Lower Upper
 85 100
 87 2.4 16.2 48.5#





#3

Chloromethane

Concen: 0.23 ug/l

RT: 1.32 min Scan# 71

Delta R.T. -0.00 min

Lab File: VX014838.D

Acq: 06 Feb 2020 11:01

Instrument :

MSVOA_X

ClientSampleId :

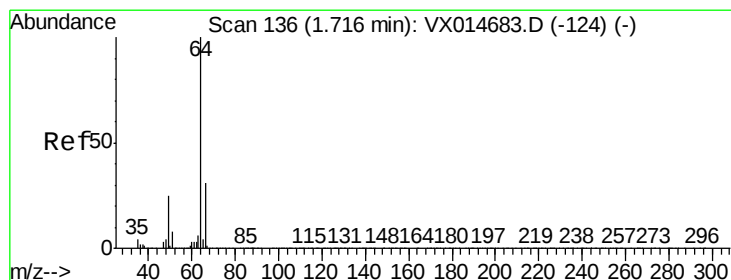
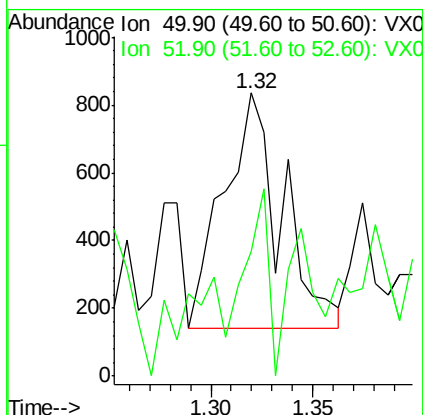
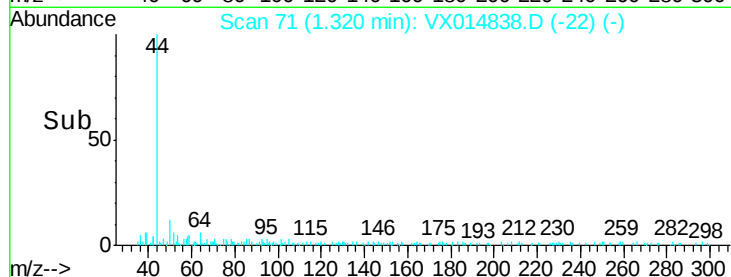
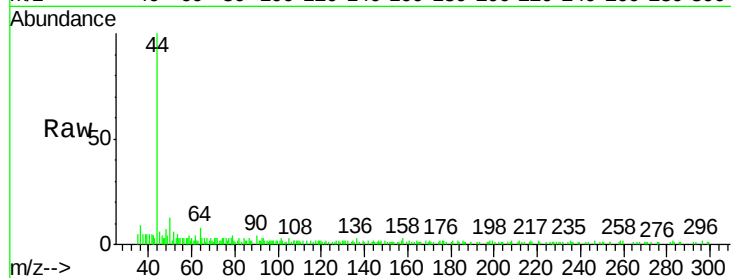
VX0206MBL01

Tgt Ion: 50 Resp: 1360

Ion Ratio Lower Upper

50 100

52 19.5 26.2 39.2#



#6

Chloroethane

Concen: Below Cal

RT: 1.69 min Scan# 132

Delta R.T. -0.02 min

Lab File: VX014838.D

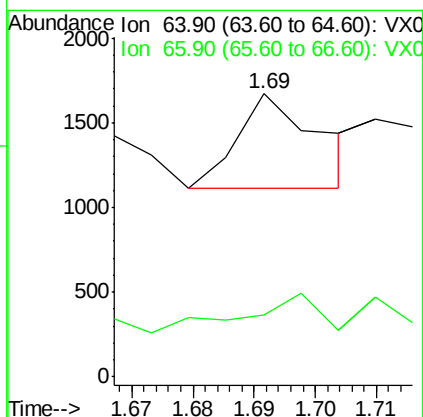
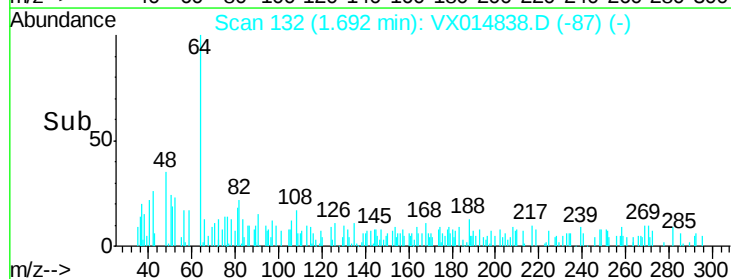
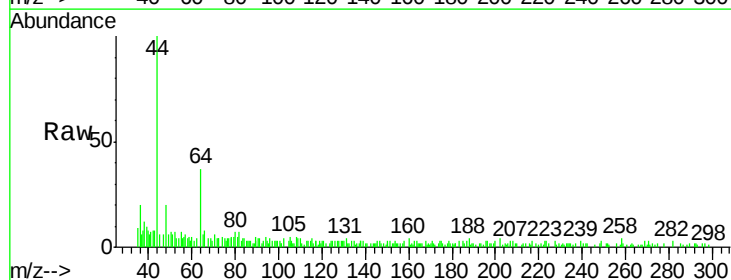
Acq: 06 Feb 2020 11:01

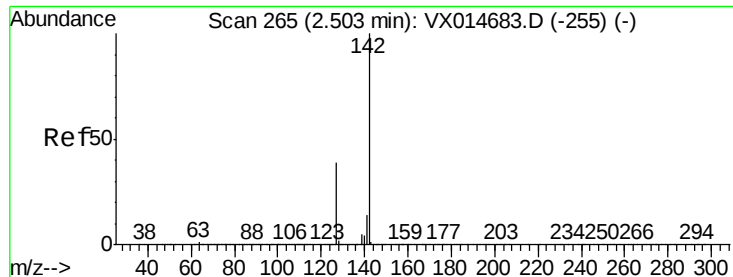
Tgt Ion: 64 Resp: 515

Ion Ratio Lower Upper

64 100

66 16.5 25.2 37.8#

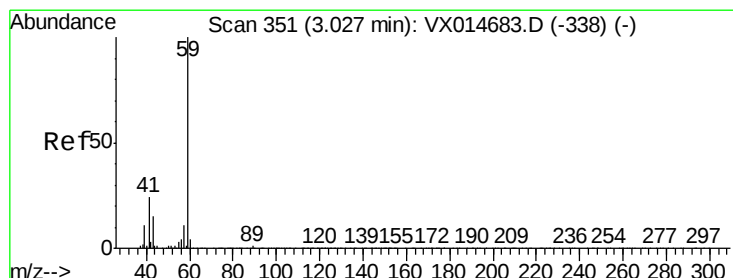
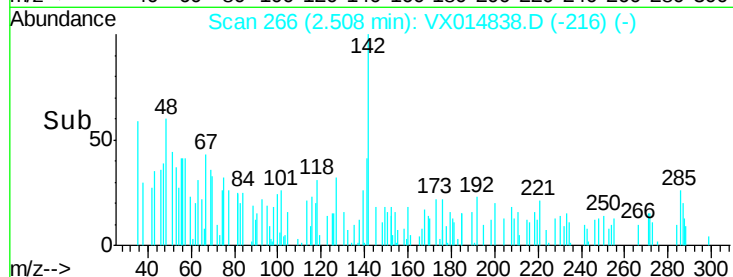
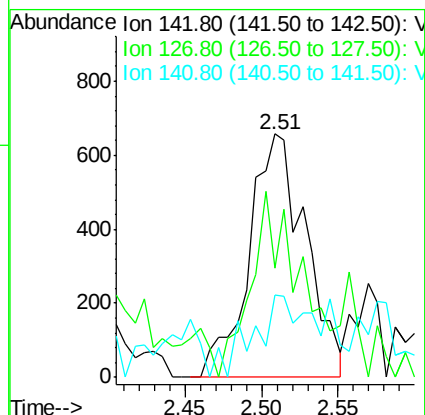
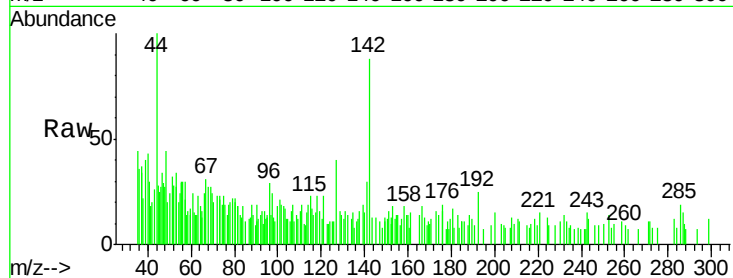




#10
Methyl Iodide
Concen: 0.29 ug/l
RT: 2.51 min Scan# 266
Delta R.T. 0.01 min
Lab File: VX014838.D
Acq: 06 Feb 2020 11:01

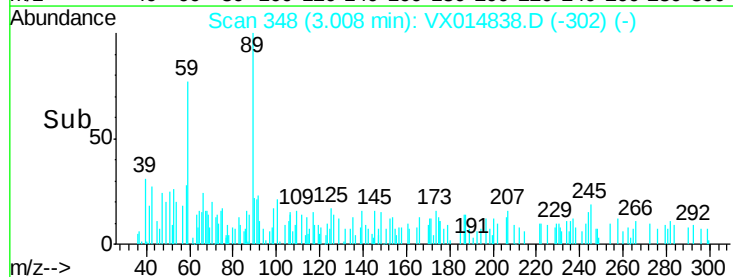
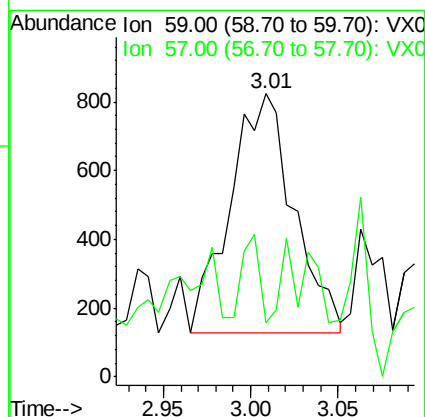
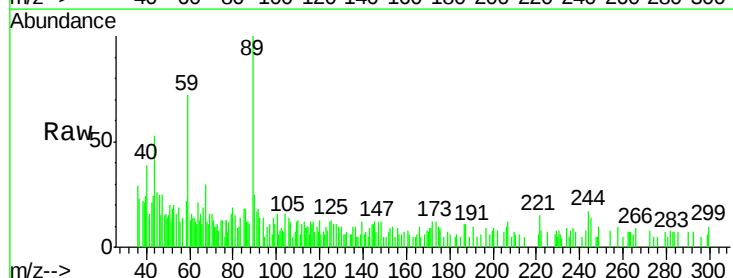
Instrument :
MSVOA_X
ClientSampleId :
VX0206MBL01

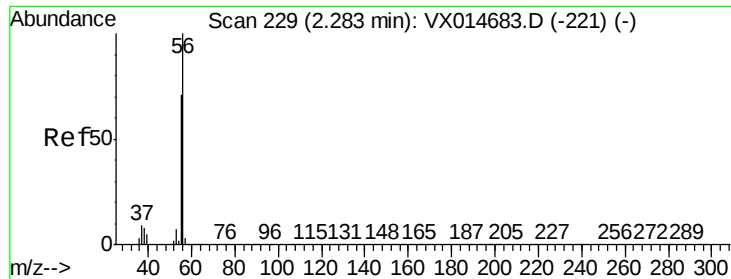
Tgt Ion: 142 Resp: 1695
Ion Ratio Lower Upper
142 100
127 65.0 31.1 46.7#
141 42.0 11.3 16.9#



#11
Tert butyl alcohol
Concen: 1.53 ug/l
RT: 3.01 min Scan# 348
Delta R.T. -0.02 min
Lab File: VX014838.D
Acq: 06 Feb 2020 11:01

Tgt Ion: 59 Resp: 1768
Ion Ratio Lower Upper
59 100
57 9.8 8.3 12.5





#13

Acrolein

Concen: 0.24 ug/l

RT: 2.28 min Scan# 229

Delta R.T. -0.00 min

Lab File: VX014838.D

Acq: 06 Feb 2020 11:01

Instrument :

MSVOA_X

ClientSampleId :

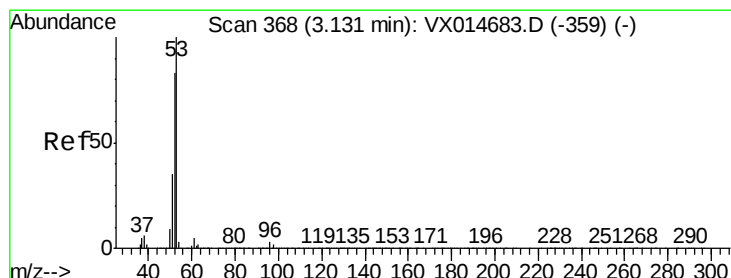
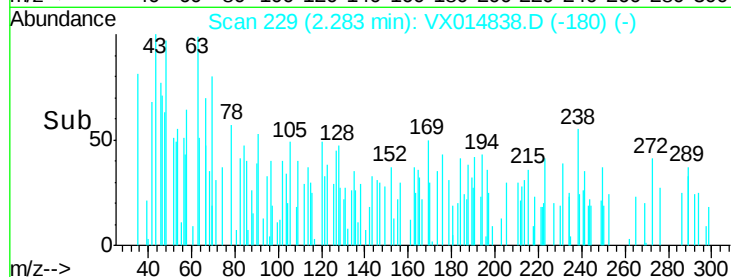
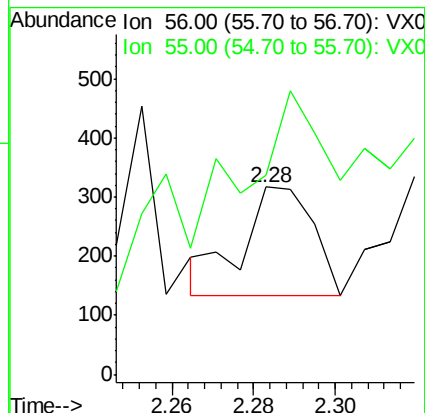
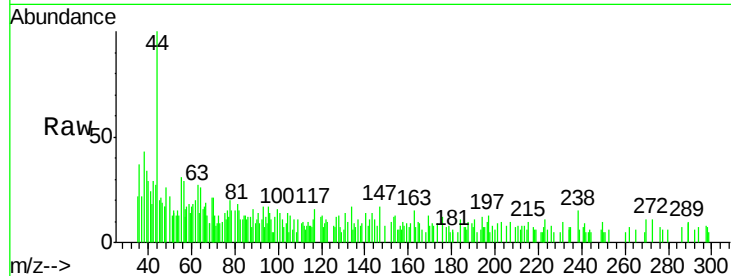
VX0206MBL01

Tgt Ion: 56 Resp: 220

Ion Ratio Lower Upper

56 100

55 156.8 56.6 84.8#



#15

Acrylonitrile

Concen: 0.26 ug/l

RT: 3.11 min Scan# 365

Delta R.T. -0.02 min

Lab File: VX014838.D

Acq: 06 Feb 2020 11:01

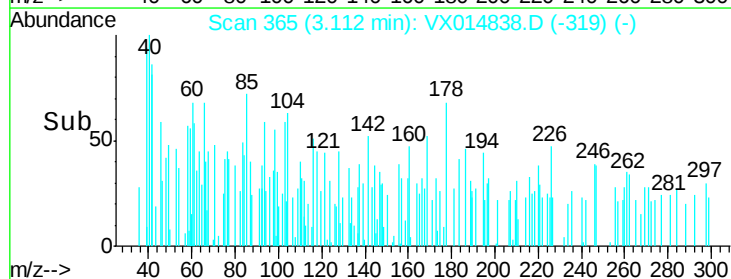
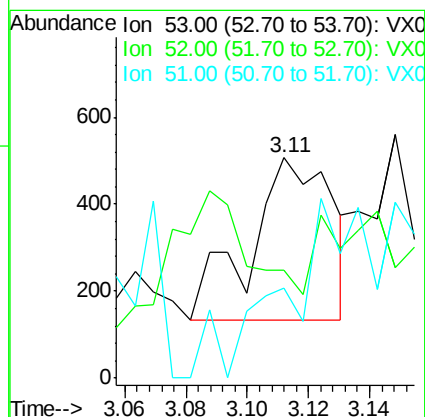
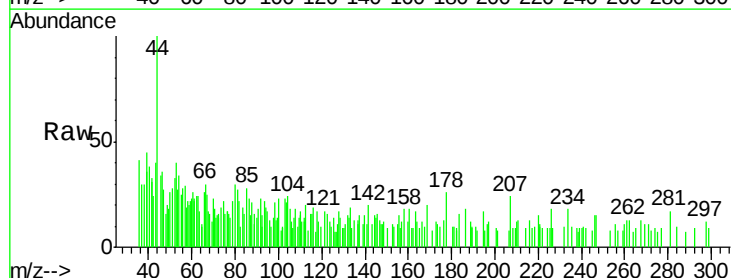
Tgt Ion: 53 Resp: 702

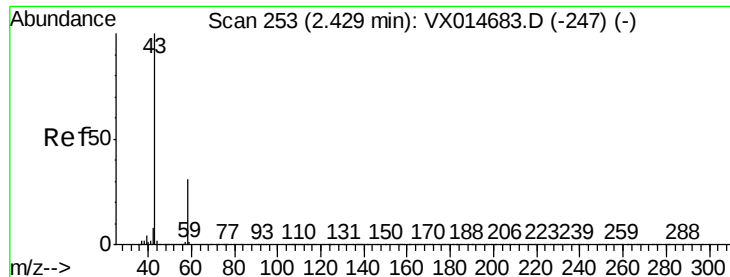
Ion Ratio Lower Upper

53 100

52 0.0 66.4 99.6#

51 111.0 28.7 43.1#





#16

Acetone

Concen: 1.63 ug/l

RT: 2.43 min Scan# 253

Delta R.T. 0.00 min

Lab File: VX014838.D

Acq: 06 Feb 2020 11:01

Instrument :

MSVOA_X

ClientSampleId :

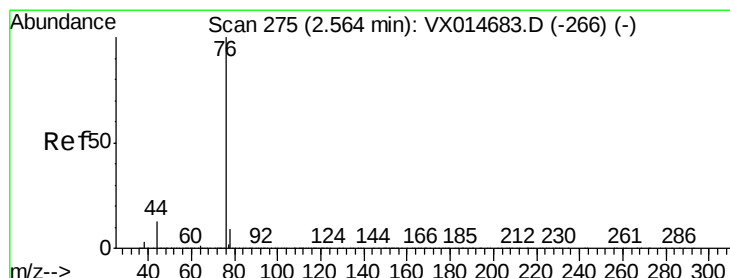
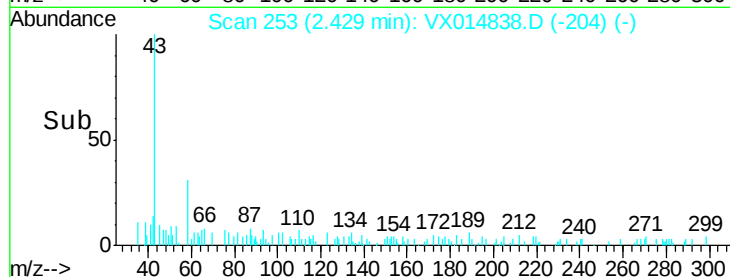
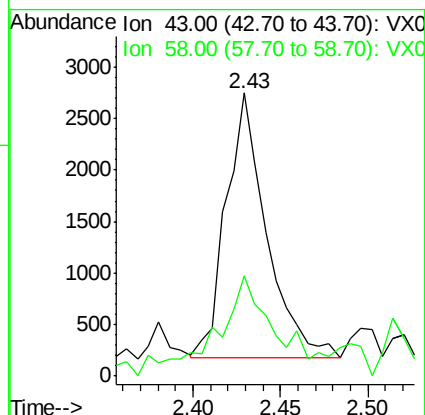
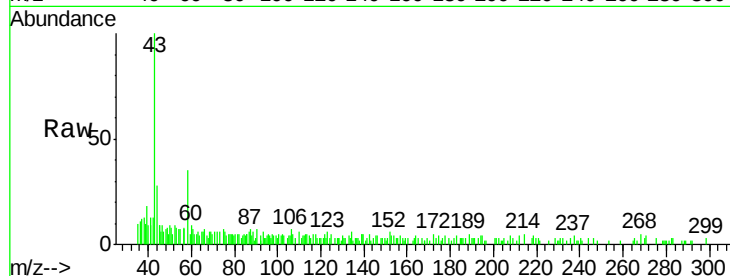
VX0206MBL01

Tgt Ion: 43 Resp: 4166

Ion Ratio Lower Upper

43 100

58 29.1 24.5 36.7



#17

Carbon Disulfide

Concen: 0.25 ug/l

RT: 2.56 min Scan# 274

Delta R.T. -0.01 min

Lab File: VX014838.D

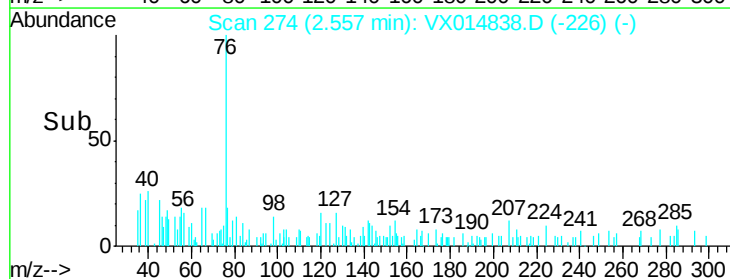
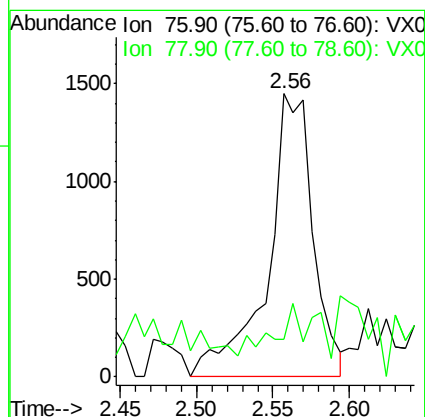
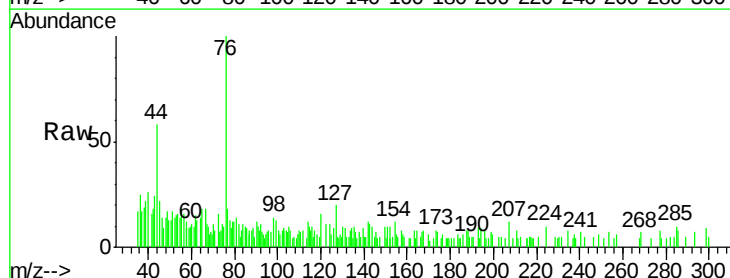
Acq: 06 Feb 2020 11:01

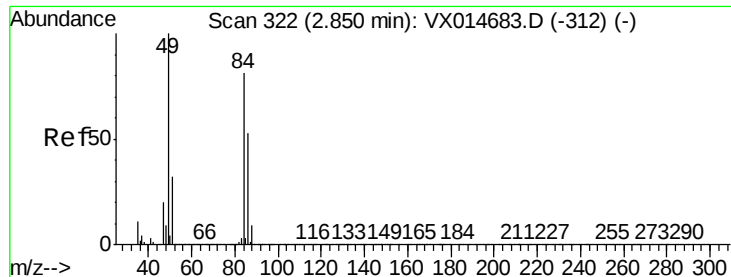
Tgt Ion: 76 Resp: 2988

Ion Ratio Lower Upper

76 100

78 14.7 7.2 10.8#

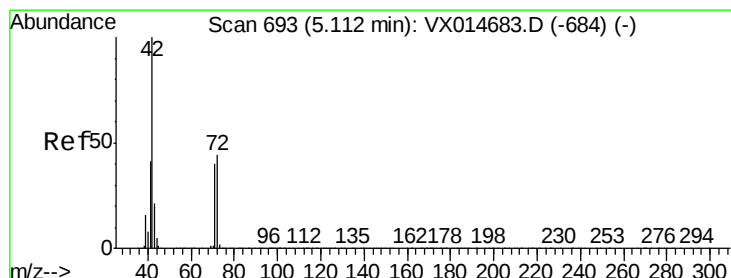
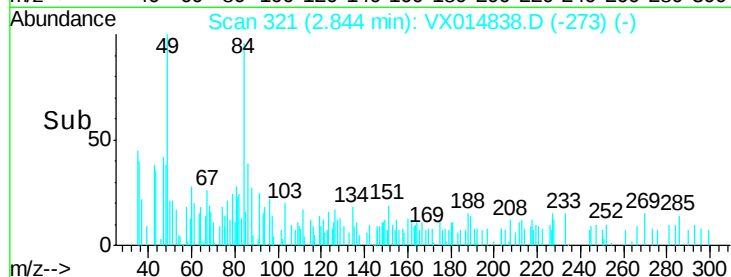
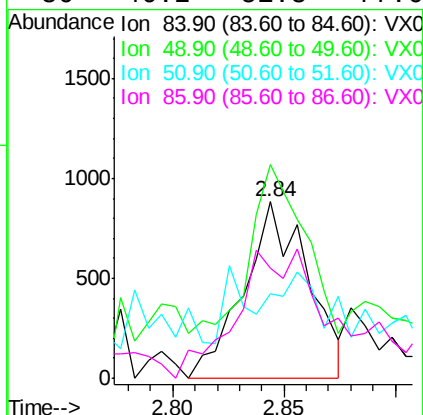
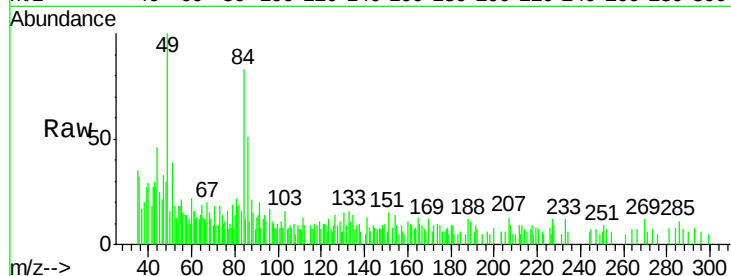




#20
Methylene Chloride
Concen: 0.34 ug/l
RT: 2.84 min Scan# 321
Delta R.T. -0.01 min
Lab File: VX014838.D
Acq: 06 Feb 2020 11:01

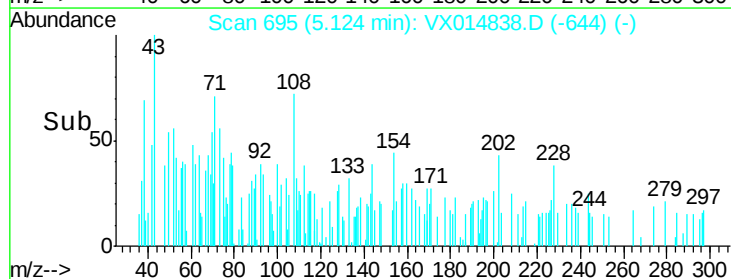
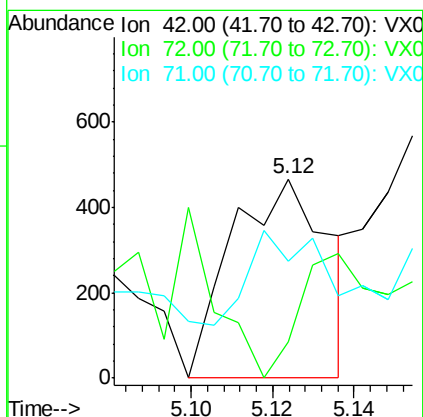
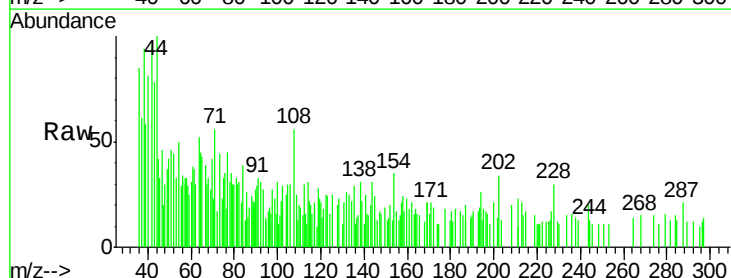
Instrument :
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VX0206MBL01

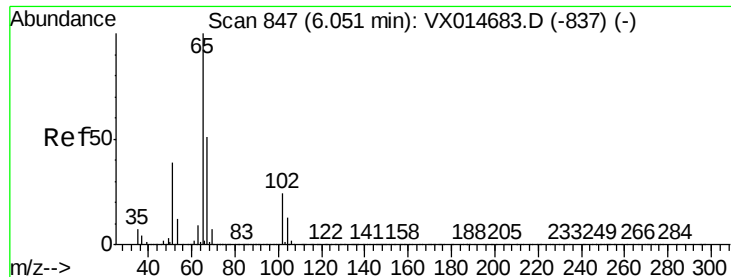
Tgt Ion:	84	Resp:	1761
Ion	Ratio	Lower	Upper
84	100		
49	95.8	98.2	147.4#
51	8.0	31.3	46.9#
86	46.2	51.8	77.6#



#29
Tetrahydrofuran
Concen: 0.32 ug/l
RT: 5.12 min Scan# 695
Delta R.T. 0.01 min
Lab File: VX014838.D
Acq: 06 Feb 2020 11:01

Tgt Ion:	42	Resp:	773
Ion	Ratio	Lower	Upper
42	100		
72	49.5	35.3	52.9
71	40.6	33.1	49.7





#33

1,2-Dichloroethane-d4

Concen: 49.43 ug/l

RT: 6.05 min Scan# 847

Delta R.T. -0.00 min

Lab File: VX014838.D

Acq: 06 Feb 2020 11:01

Instrument :

MSVOA_X

ClientSampled :

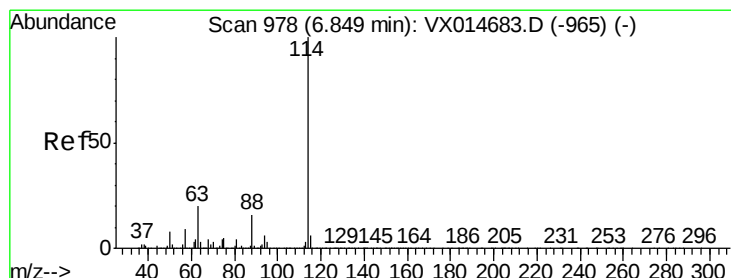
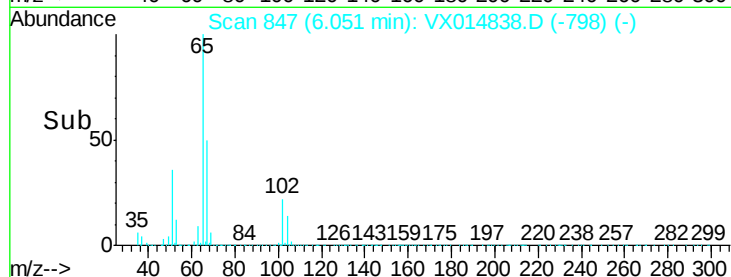
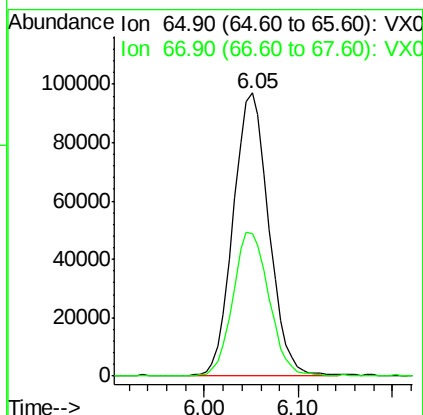
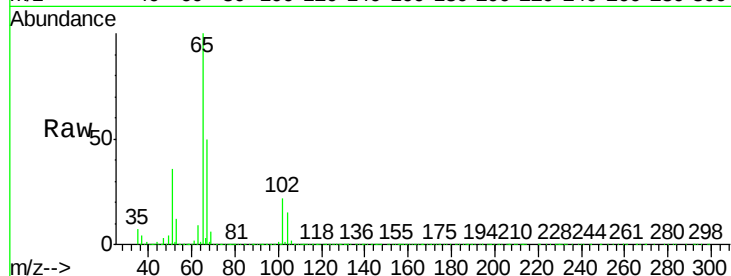
VX0206MBL01

Tgt Ion: 65 Resp: 254546

Ion Ratio Lower Upper

65 100

67 51.3 0.0 107.4



#34

1,4-Difluorobenzene

Concen: 50.00 ug/l

RT: 6.85 min Scan# 978

Delta R.T. -0.00 min

Lab File: VX014838.D

Acq: 06 Feb 2020 11:01

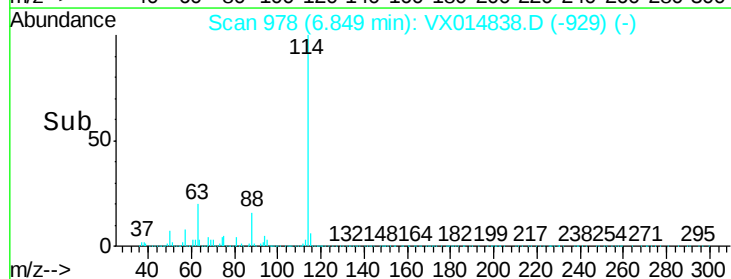
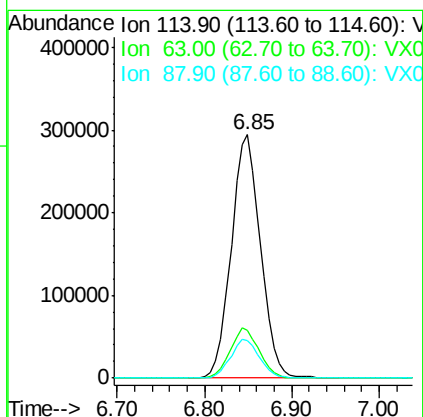
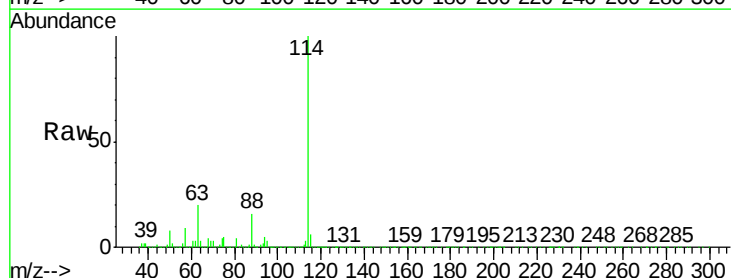
Tgt Ion: 114 Resp: 682067

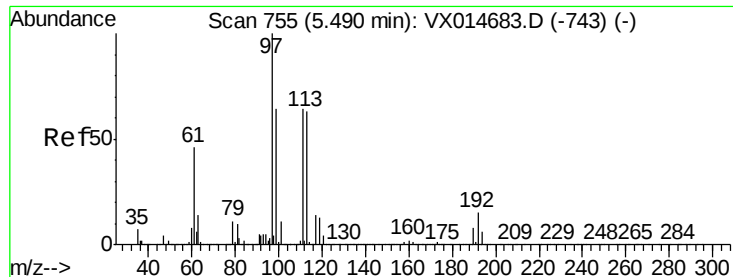
Ion Ratio Lower Upper

114 100

63 19.7 0.0 40.6

88 15.5 0.0 31.2





#35

Dibromofluoromethane

Concen: 48.54 ug/l

RT: 5.48 min Scan# 754

Delta R.T. -0.01 min

Lab File: VX014838.D

Acq: 06 Feb 2020 11:01

Instrument :

MSVOA_X

ClientSampled :

VX0206MBL01

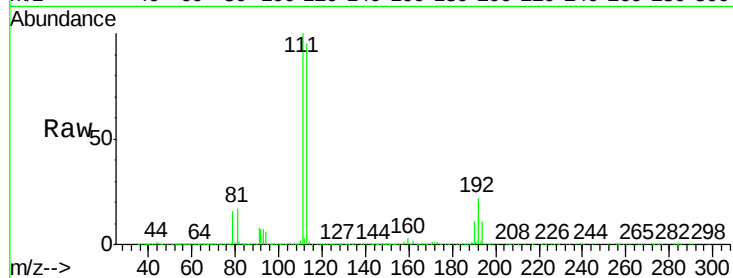
Tgt Ion:113 Resp: 208914

Ion Ratio Lower Upper

113 100

111 103.1 80.7 121.1

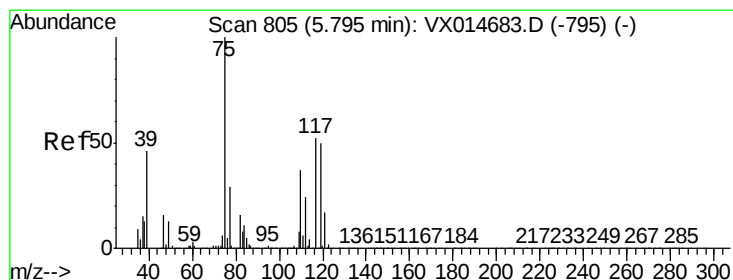
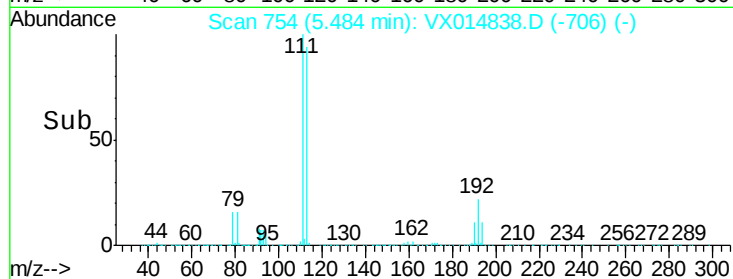
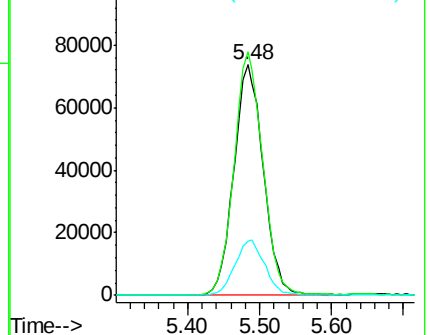
192 24.3 18.5 27.7



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: 4.57 ug/l

RT: 5.65 min Scan# 781

Delta R.T. -0.15 min

Lab File: VX014838.D

Acq: 06 Feb 2020 11:01

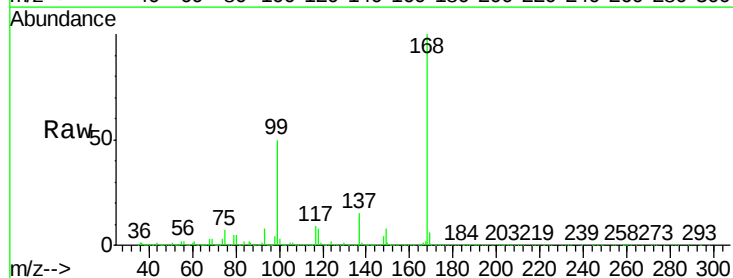
Tgt Ion: 75 Resp: 28938

Ion Ratio Lower Upper

75 100

110 11.8 17.9 53.7#

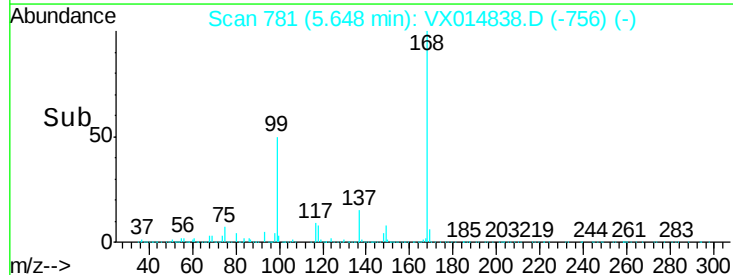
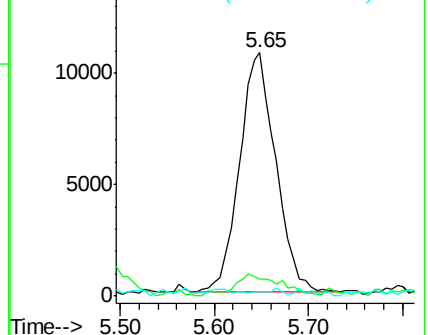
77 0.0 24.1 36.1#

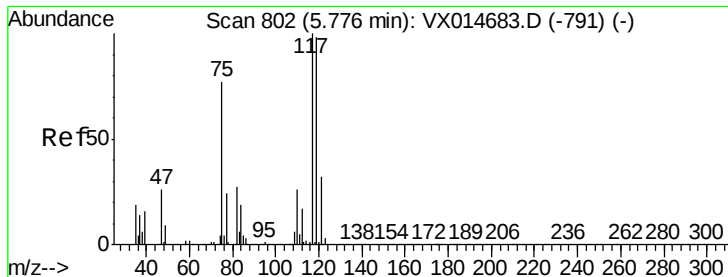


Abundance Ion 74.90 (74.60 to 75.60): VX0

Ion 109.90 (109.60 to 110.60): V

Ion 76.90 (76.60 to 77.60): VX0





#38

Carbon Tetrachloride

Concen: 6.46 ug/l

RT: 5.65 min Scan# 781

Delta R.T. -0.13 min

Lab File: VX014838.D

Acq: 06 Feb 2020 11:01

Instrument :

MSVOA_X

ClientSampleId :

VX0206MBL01

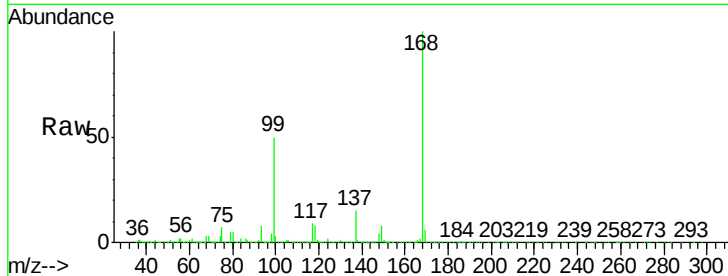
Tgt Ion:117 Resp: 39080

Ion Ratio Lower Upper

117 100

119 7.2 77.9 116.9#

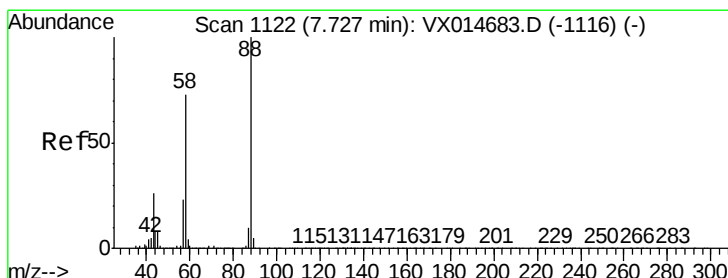
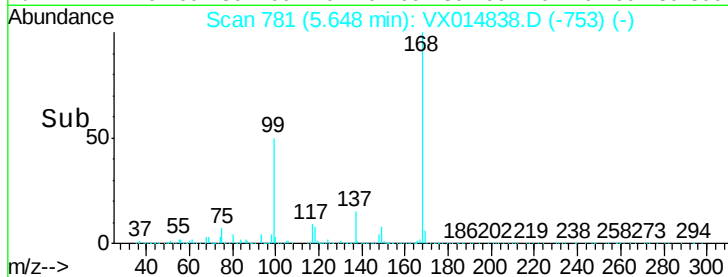
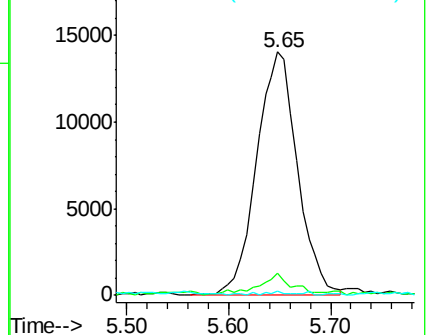
121 0.9 25.4 38.2#



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: 0.61 ug/l

RT: 7.74 min Scan# 1124

Delta R.T. 0.01 min

Lab File: VX014838.D

Acq: 06 Feb 2020 11:01

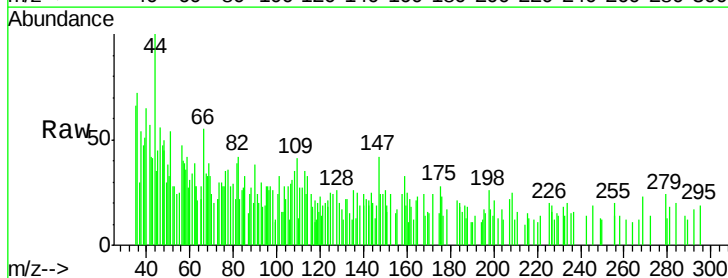
Tgt Ion: 88 Resp: 73

Ion Ratio Lower Upper

88 100

43 364.4 26.2 39.2#

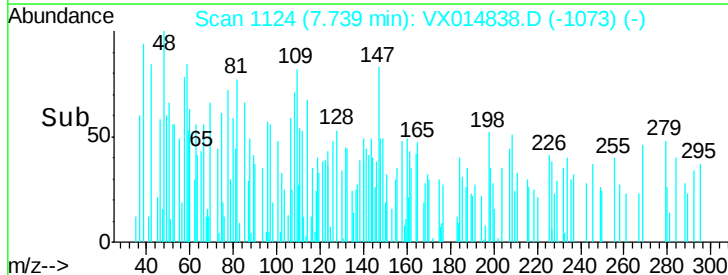
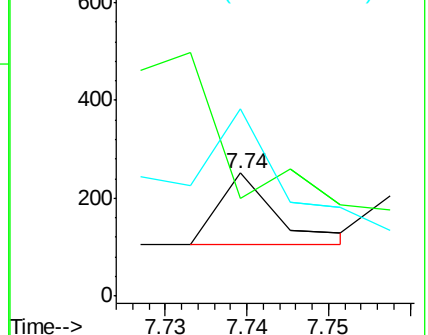
58 220.5 56.6 85.0#

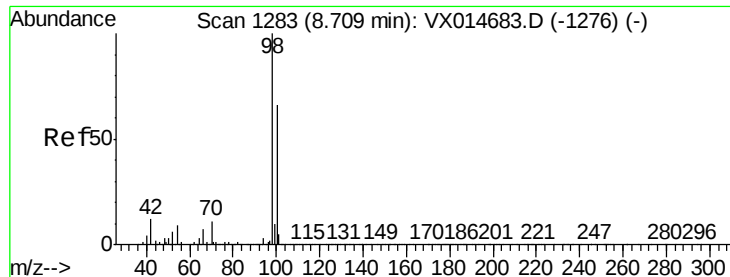


Abundance Ion 88.00 (87.70 to 88.70): VX0

Ion 43.00 (42.70 to 43.70): VX0

Ion 58.00 (57.70 to 58.70): VX0





#50

Toluene-d8

Concen: 49.14 ug/l

RT: 8.71 min Scan# 1283

Delta R.T. -0.00 min

Lab File: VX014838.D

Acq: 06 Feb 2020 11:01

Instrument :

MSVOA_X

ClientSampleId :

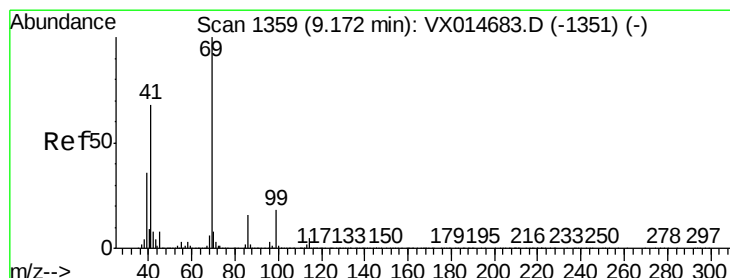
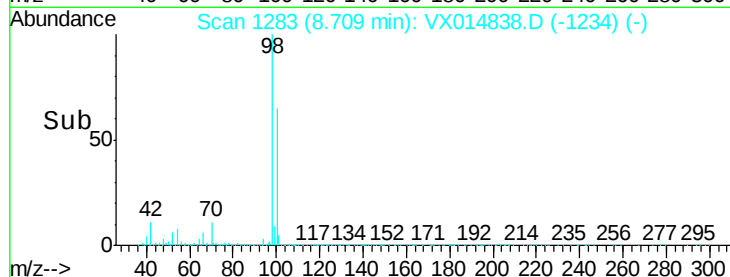
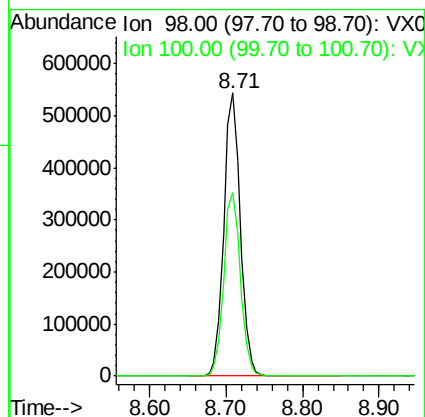
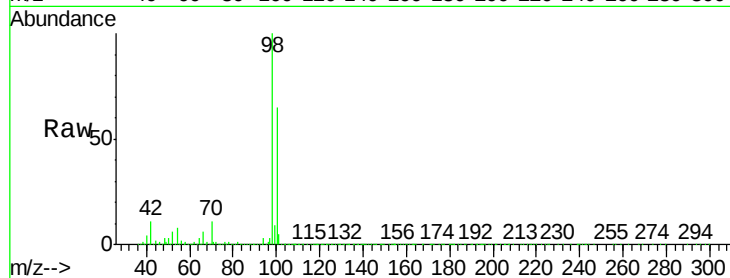
VX0206MBL01

Tgt Ion: 98 Resp: 813081

Ion Ratio Lower Upper

98 100

100 65.5 53.0 79.6



#56

Ethyl methacrylate

Concen: 1.83 ug/l

RT: 9.18 min Scan# 1361

Delta R.T. 0.01 min

Lab File: VX014838.D

Acq: 06 Feb 2020 11:01

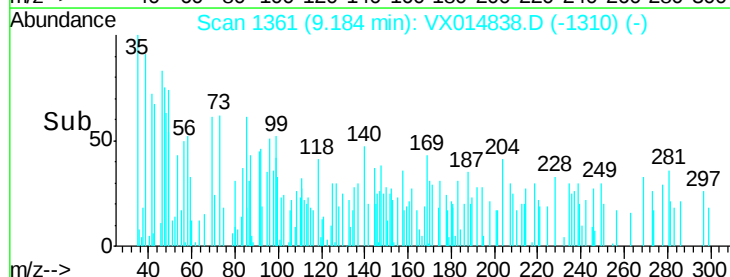
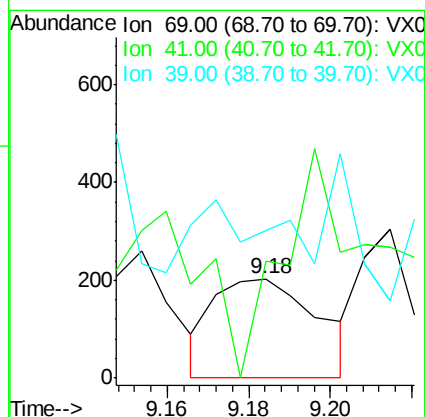
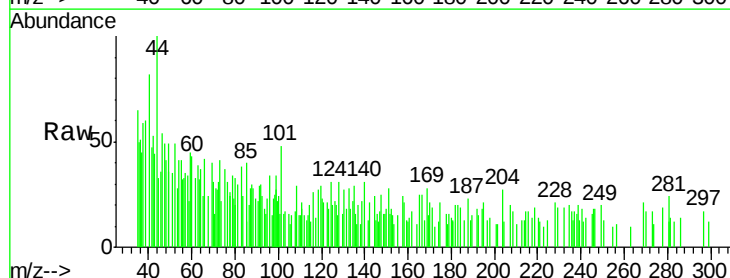
Tgt Ion: 69 Resp: 358

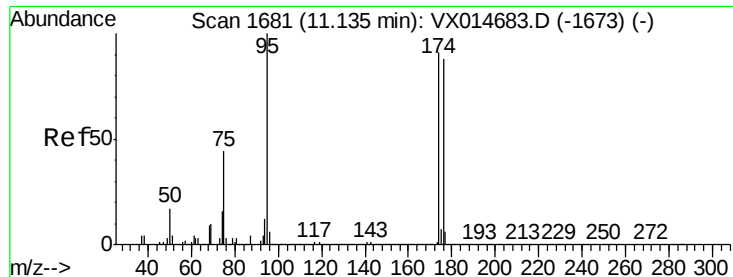
Ion Ratio Lower Upper

69 100

41 177.1 54.9 82.3#

39 0.0 29.3 43.9#

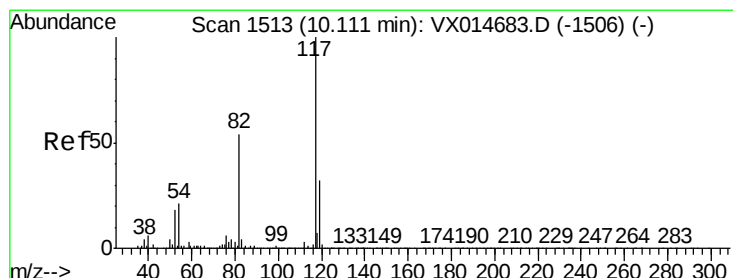
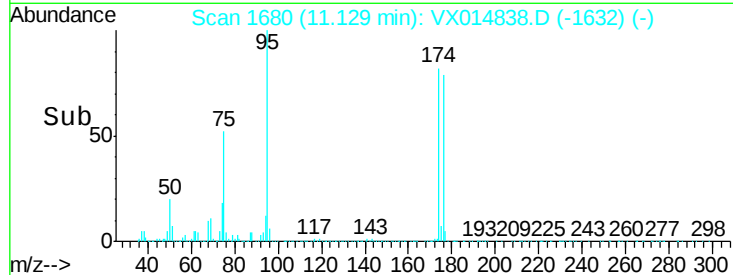
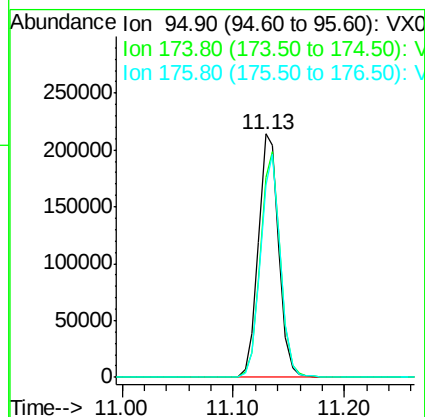
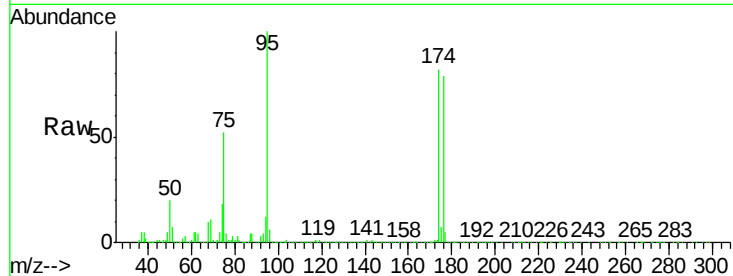




#62
4-Bromofluorobenzene
Concen: 46.32 ug/l
RT: 11.13 min Scan# 1680
Delta R.T. -0.01 min
Lab File: VX014838.D
Acq: 06 Feb 2020 11:01

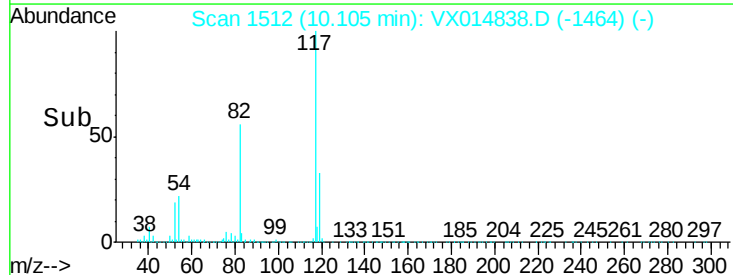
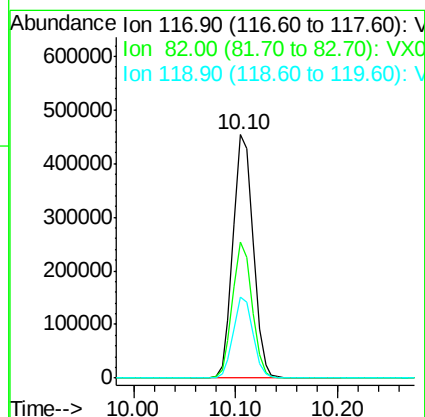
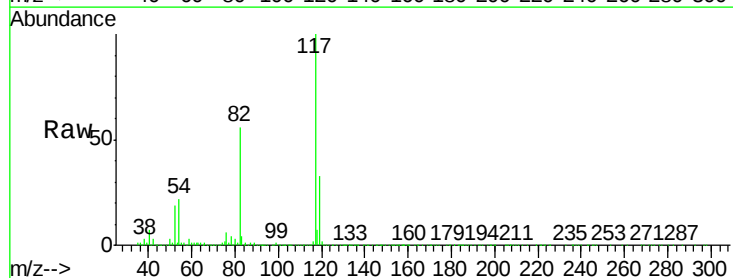
Instrument :
MSVOA_X
ClientSampleId :
VX0206MBL01

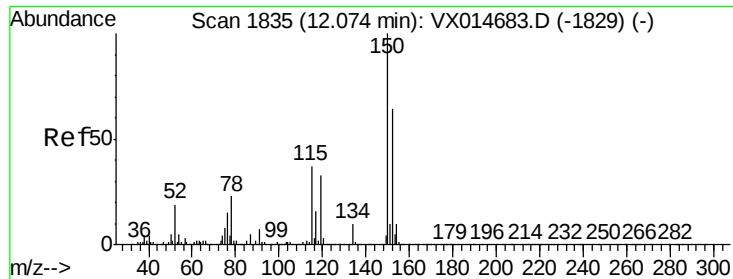
Tgt Ion: 95 Resp: 273014
Ion Ratio Lower Upper
95 100
174 90.5 0.0 176.0
176 89.1 0.0 172.2



#63
Chlorobenzene-d5
Concen: 50.00 ug/l
RT: 10.10 min Scan# 1512
Delta R.T. -0.01 min
Lab File: VX014838.D
Acq: 06 Feb 2020 11:01

Tgt Ion: 117 Resp: 618417
Ion Ratio Lower Upper
117 100
82 55.9 43.2 64.8
119 33.4 25.8 38.6





#72

1,4-Dichlorobenzene-d4

Concen: 50.00 ug/l

RT: 12.07 min Scan# 1835

Delta R.T. -0.00 min

Lab File: VX014838.D

Acq: 06 Feb 2020 11:01

Instrument :

MSVOA_X

ClientSampleId :

VX0206MBL01

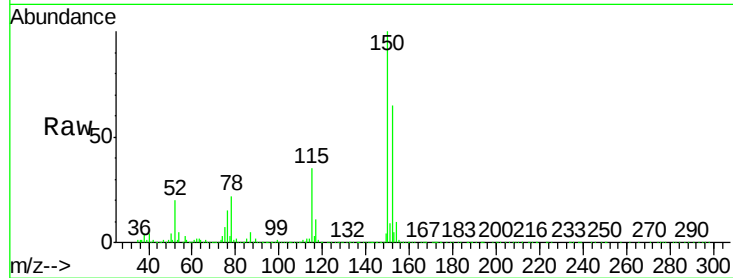
Tgt Ion: 152 Resp: 282979

Ion Ratio Lower Upper

152 100

115 55.0 39.4 118.1

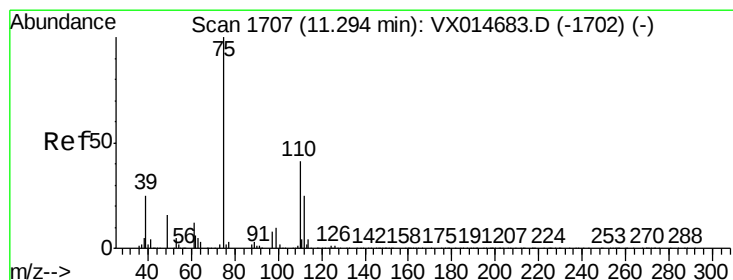
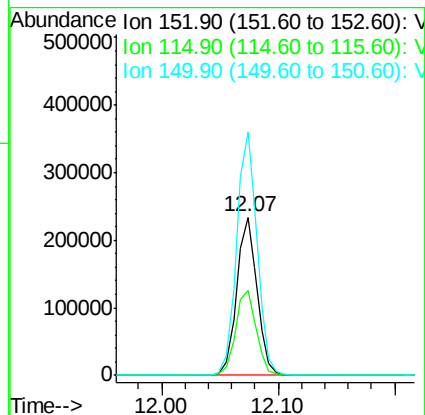
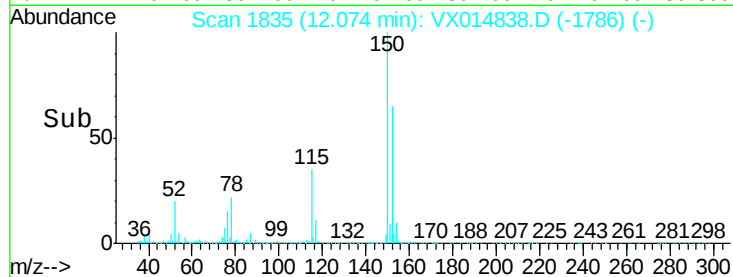
150 154.7 0.0 351.2



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: 21.12 ug/l

RT: 11.13 min Scan# 1680

Delta R.T. -0.16 min

Lab File: VX014838.D

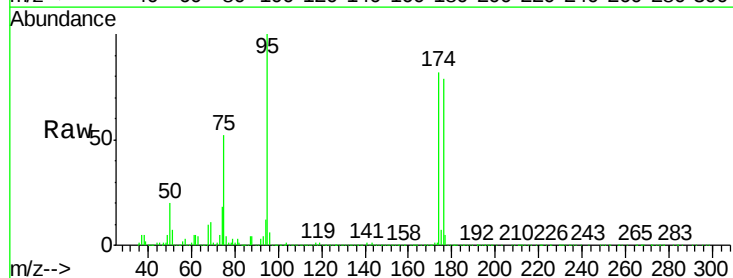
Acq: 06 Feb 2020 11:01

Tgt Ion: 75 Resp: 139020

Ion Ratio Lower Upper

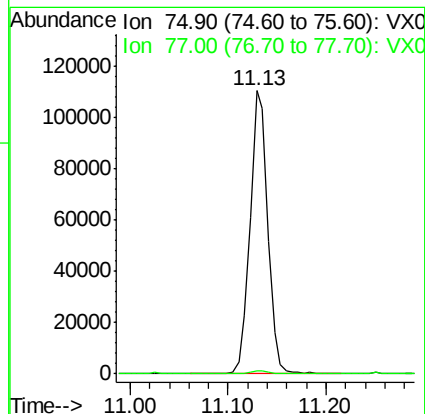
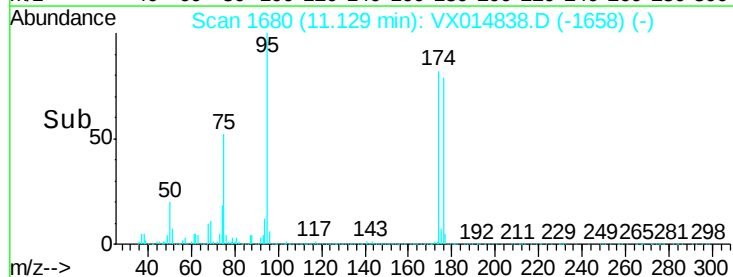
75 100

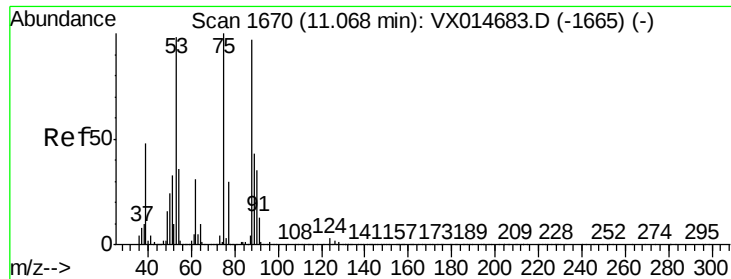
77 1.6 18.7 56.1#



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: 60.09 ug/l

RT: 11.13 min Scan# 1680

Delta R.T. 0.06 min

Lab File: VX014838.D

Acq: 06 Feb 2020 11:01

Instrument :

MSVOA_X

ClientSampleId :

VX0206MBL01

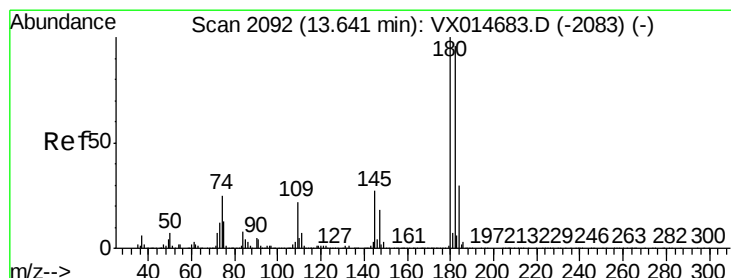
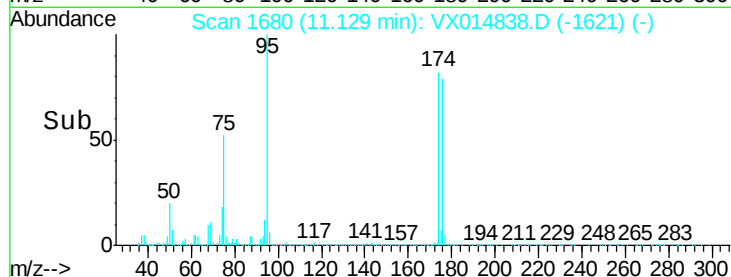
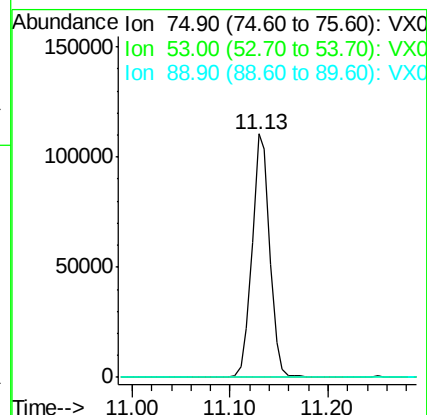
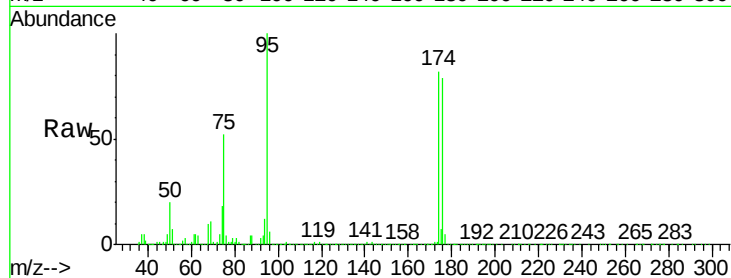
Tgt Ion: 75 Resp: 139020

Ion Ratio Lower Upper

75 100

53 0.2 78.8 118.2#

89 0.1 35.4 53.0#



#93

1,2,4-Trichlorobenzene

Concen: 0.22 ug/l

RT: 13.64 min Scan# 2092

Delta R.T. -0.00 min

Lab File: VX014838.D

Acq: 06 Feb 2020 11:01

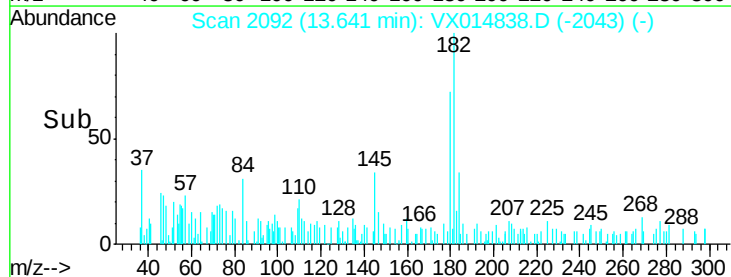
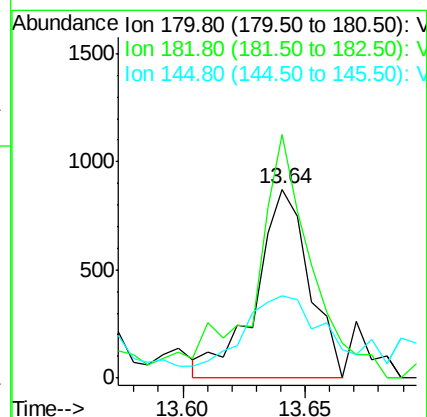
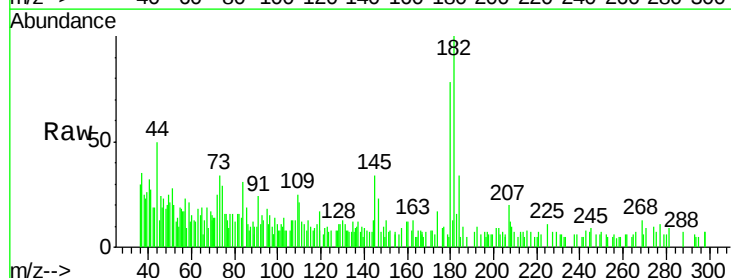
Tgt Ion: 180 Resp: 1324

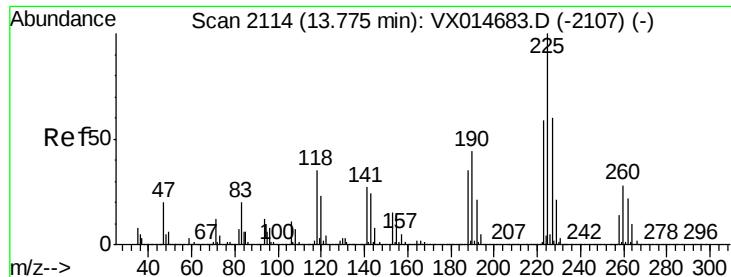
Ion Ratio Lower Upper

180 100

182 141.5 48.5 145.6

145 54.5 14.0 41.9#





#94

Hexachlorobutadiene

Concen: 0.22 ug/l

RT: 13.77 min Scan# 2114

Delta R.T. -0.00 min

Lab File: VX014838.D

Acq: 06 Feb 2020 11:01

Instrument :

MSVOA_X

ClientSampled :

VX0206MBL01

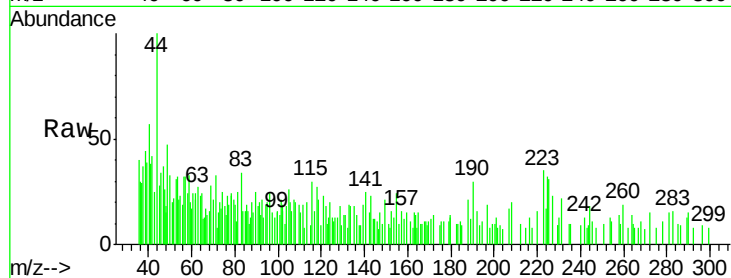
Tgt Ion:225 Resp: 696

Ion Ratio Lower Upper

225 100

223 76.3 30.6 91.8

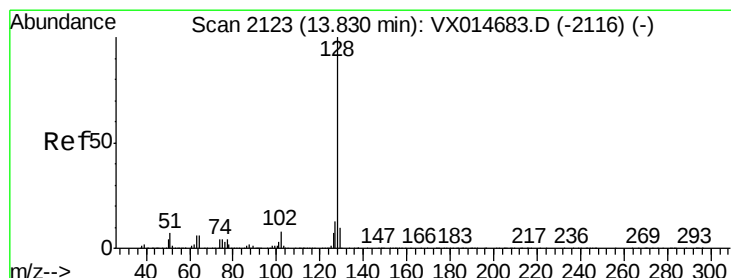
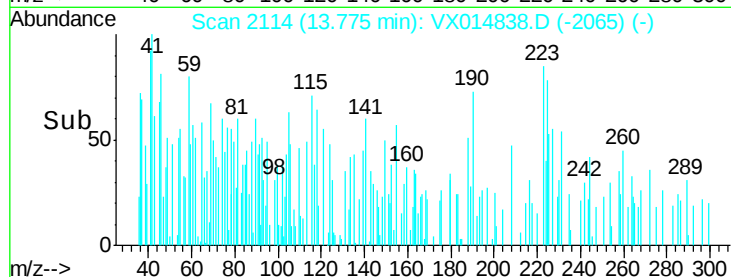
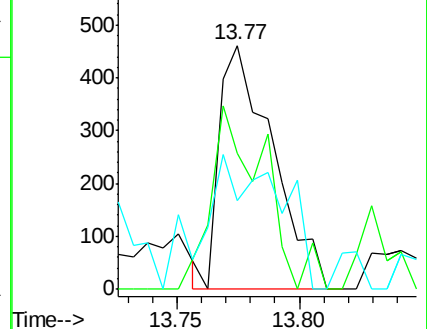
227 79.3 31.4 94.0



Abundance Ion 224.70 (224.40 to 225.40): V

Ion 222.70 (222.40 to 223.40): V

Ion 226.70 (226.40 to 227.40): V



#95

Naphthalene

Concen: 1.11 ug/l

RT: 13.83 min Scan# 2123

Delta R.T. 0.00 min

Lab File: VX014838.D

Acq: 06 Feb 2020 11:01

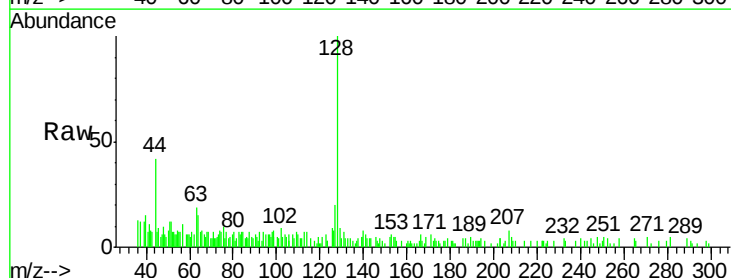
Tgt Ion:128 Resp: 3524

Ion Ratio Lower Upper

128 100

127 20.0 10.3 15.5#

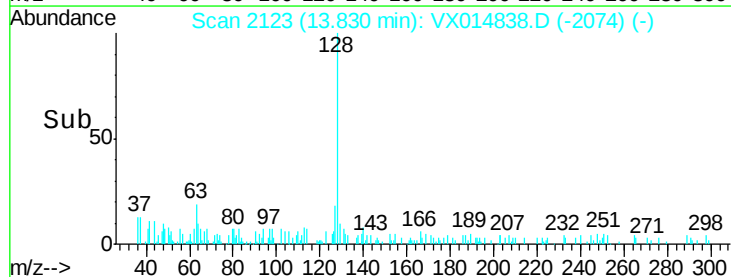
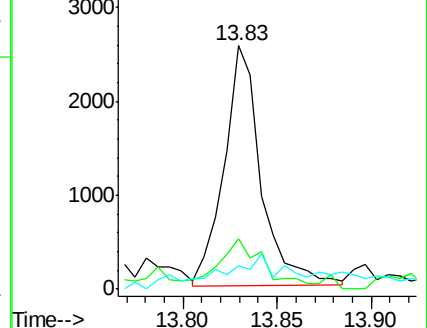
129 12.5 8.6 12.8

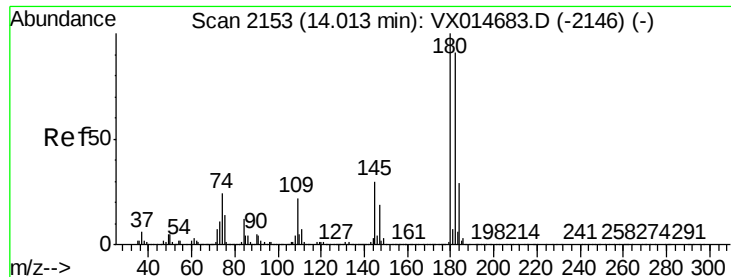


Abundance Ion 128.00 (127.70 to 128.70): V

Ion 127.00 (126.70 to 127.70): V

Ion 129.00 (128.70 to 129.70): V





#96
 1,2,3-Trichlorobenzene
 Concen: 0.24 ug/l
 RT: 14.02 min Scan# 2154
 Delta R.T. 0.01 min
 Lab File: VX014838.D
 Acq: 06 Feb 2020 11:01

Instrument :
 MSVOA_X
 ClientSampleId :
 VX0206MBL01

Tgt Ion	Ratio	Lower	Upper
180	100		
182	89.8	46.6	139.7
145	54.9	14.7	44.1#

