

Data Path : Z:\VOASRV\HPCHEM1\MSVOA X\DATA\VX010320\
 Data File : VX014392.D
 Acq On : 03 Jan 2020 11:40
 Operator : JC/SP
 Sample : VX0103WBL01
 Misc : 5.0mL/MSVOA X/WATER
 ALS Vial : 3 Sample Multiplier: 1

Instrument :
 MSVOA_X
 ClientSampleId :
 VX0103WBL01

Quant Time: Jan 06 02:28:14 2020
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_X\METHOD\82X121319W.M
 Quant Title : SW846 8260
 QLast Update : Tue Dec 17 03:01:07 2019
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Pentafluorobenzene	5.65	168	567784	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	6.85	114	868503	50.00	ug/l	0.00
63) Chlorobenzene-d5	10.11	117	766613	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	12.07	152	333901	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	310476	48.25	ug/l	0.00
Spiked Amount			Recovery	=	96.50%	
35) Dibromofluoromethane	5.48	113	262203	49.66	ug/l	0.00
Spiked Amount			Recovery	=	99.32%	
50) Toluene-d8	8.71	98	1022524	49.75	ug/l	0.00
Spiked Amount			Recovery	=	99.50%	
62) 4-Bromofluorobenzene	11.13	95	339707	45.21	ug/l	0.00
Spiked Amount			Recovery	=	90.42%	

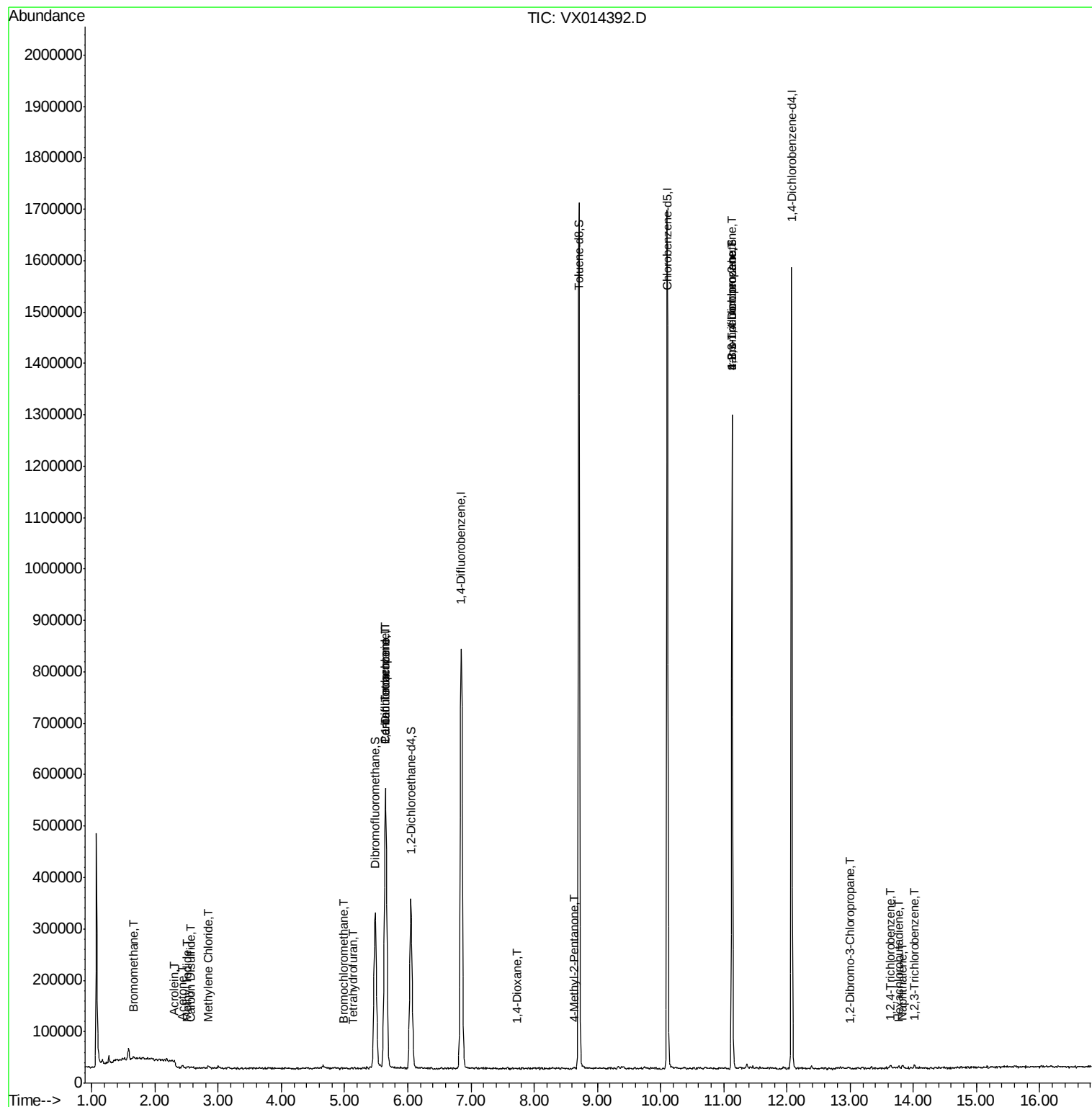
Target Compounds	R.T.	QIon	Response	Conc	Units	Qvalue
5) Bromomethane	1.65	94	2599	0.509	ug/l	92
10) Methyl Iodide	2.51	142	2104	2.902	ug/l #	72
13) Acrolein	2.30	56	661	0.830	ug/l	95
16) Acetone	2.43	43	8005	1.916	ug/l	98
17) Carbon Disulfide	2.56	76	3123	0.953	ug/l	96
20) Methylene Chloride	2.85	84	2478	0.377	ug/l #	80
28) Bromochloromethane	4.99	49	181	0.497	ug/l #	72
29) Tetrahydrofuran	5.14	42	1116	0.387	ug/l #	61
36) 1,1-Dichloropropene	5.64	75	38672	4.853	ug/l #	53
38) Carbon Tetrachloride	5.65	117	49340	6.796	ug/l #	17
49) 1,4-Dioxane	7.72	88	368	2.536	ug/l #	1
51) 4-Methyl-2-Pentanone	8.63	43	2406	0.263	ug/l #	66
76) 1,2,3-Trichloropropane	11.13	75	163589	22.567	ug/l #	39
81) trans-1,4-Dichloro-2-buten	11.13	75	163589	63.697	ug/l #	11
92) 1,2-Dibromo-3-Chloropropan	13.00	75	612	0.339	ug/l #	24
93) 1,2,4-Trichlorobenzene	13.64	180	1800	0.243	ug/l	87
94) Hexachlorobutadiene	13.78	225	798	0.224	ug/l	93
95) Naphthalene	13.83	128	5315	0.244	ug/l #	83
96) 1,2,3-Trichlorobenzene	14.01	180	2404	0.328	ug/l	85

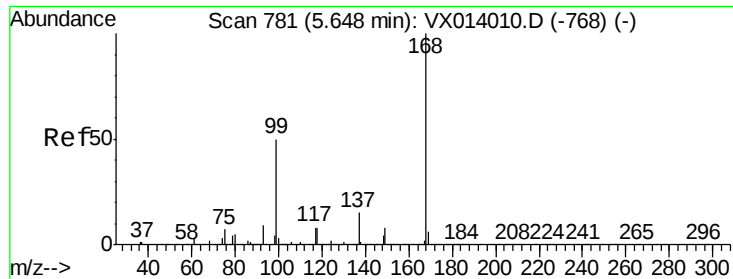
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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Quant Time: Jan 06 02:28:14 2020
Quant Method : Z:\V0ASRV\HPCHEM1\MSVOA_X\METHOD\82X121319W.M
Quant Title : SW846 8260
QLast Update : Tue Dec 17 03:01:07 2019
Response via : Initial Calibration





#1

Pentafluorobenzene

Concen: 50.000 ug/l

RT: 5.65 min Scan# 781

Delta R.T. 0.00 min

Lab File: VX014392.D

Acq: 03 Jan 2020 11:40

Instrument :

MSVOA_X

ClientSampleId :

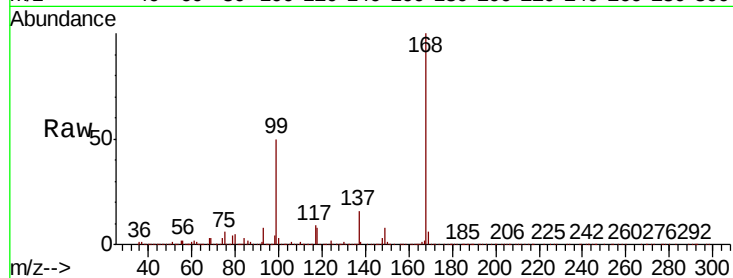
VX0103WBL01

Tot Ion:168 Resp: 567784

Ion Ratio Lower Upper

168 100

99 49.5 40.3 60.5



Abundance Ion 167.90 (167.60 to 168.60): V

Ion 98.90 (98.60 to 99.60): VX0

5.65

200000

150000

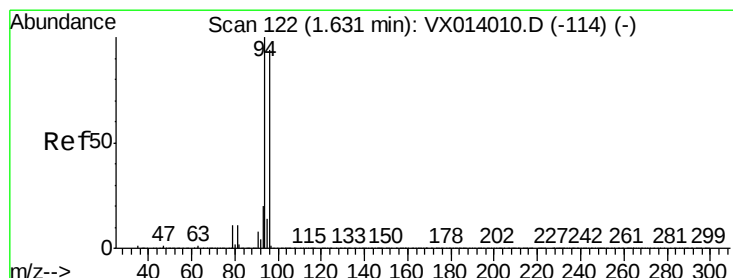
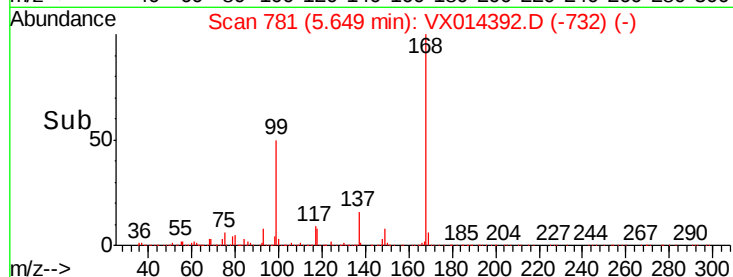
100000

50000

0

Time-->

5.50 5.60 5.70 5.80



#5

Bromomethane

Concen: 0.509 ug/l

RT: 1.65 min Scan# 125

Delta R.T. 0.02 min

Lab File: VX014392.D

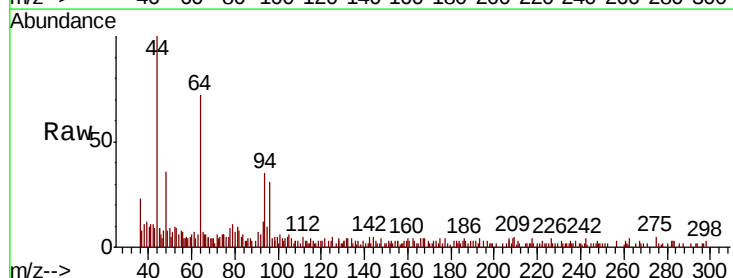
Acq: 03 Jan 2020 11:40

Tgt Ion: 94 Resp: 2599

Ion Ratio Lower Upper

94 100

96 86.3 75.2 112.8



Abundance Ion 93.90 (93.60 to 94.60): VX0

Ion 95.90 (95.60 to 96.60): VX0

1.65

1500

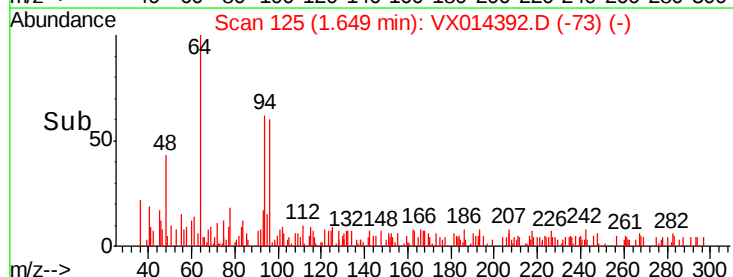
1000

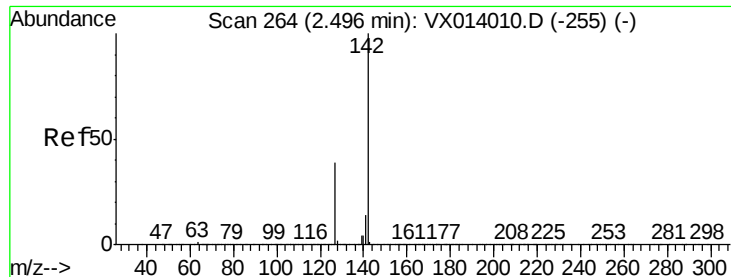
500

0

Time-->

1.60 1.65 1.70

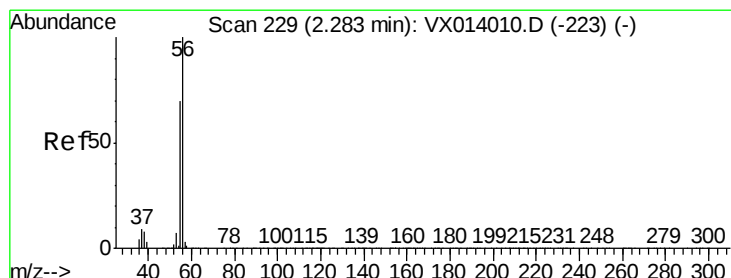
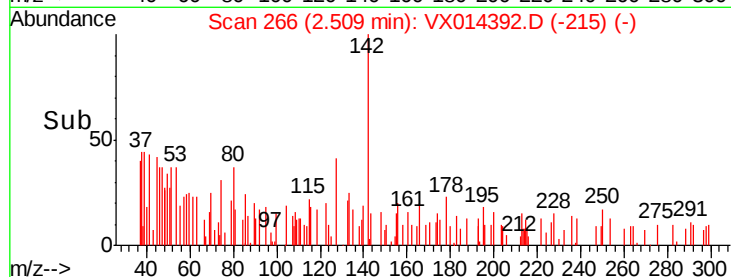
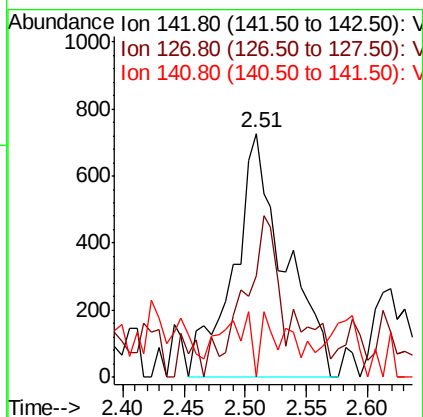
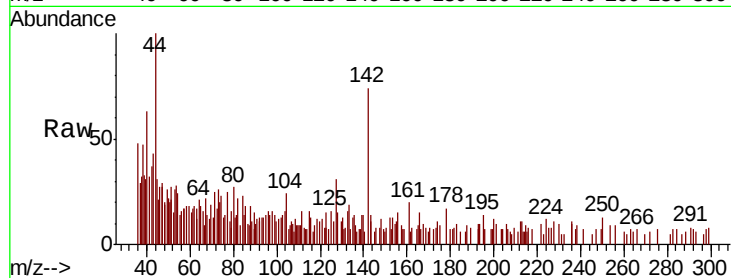




#10
Methvl Iodide
Concen: 2.902 ug/l
RT: 2.51 min Scan# 266
Delta R.T. 0.01 min
Lab File: VX014392.D
Acq: 03 Jan 2020 11:40

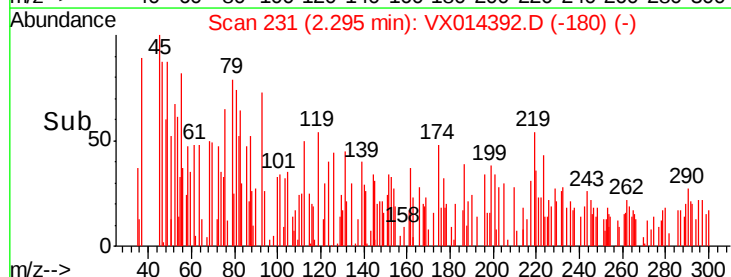
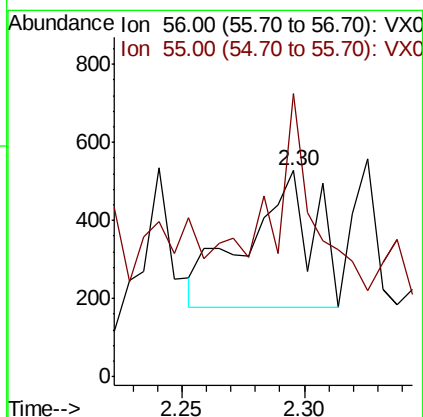
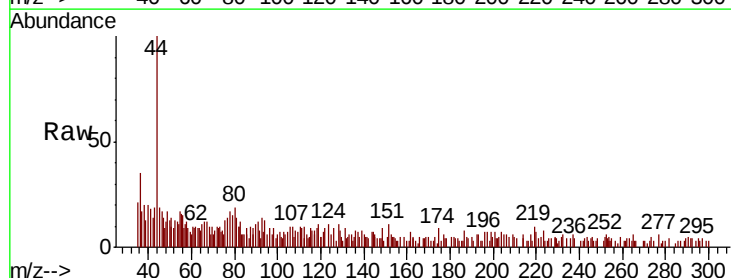
Instrument :
MSVOA_X
ClientSampleId :
VX0103WBL01

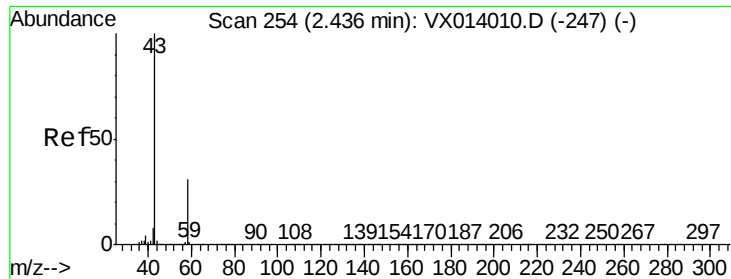
Tot Ion:142 Resp: 2104
Ion Ratio Lower Upper
142 100
127 59.1 31.6 47.4#
141 7.2 11.6 17.4#



#13
Acrolein
Concen: 0.830 ug/l
RT: 2.30 min Scan# 231
Delta R.T. 0.01 min
Lab File: VX014392.D
Acq: 03 Jan 2020 11:40

Tgt Ion: 56 Resp: 661
Ion Ratio Lower Upper
56 100
55 75.0 56.9 85.3





#16

Acetone

Concen: 1.916 ug/l

RT: 2.43 min Scan# 253

Delta R.T. -0.01 min

Lab File: VX014392.D

Acq: 03 Jan 2020 11:40

Instrument :

MSVOA_X

ClientSampleId :

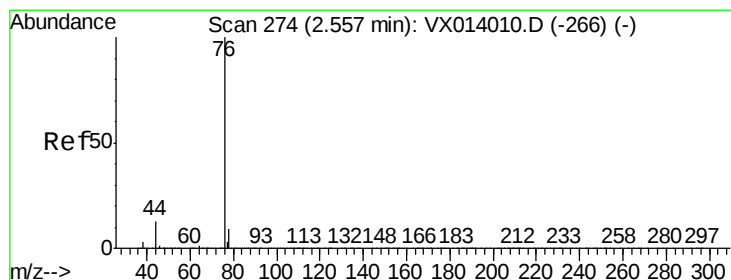
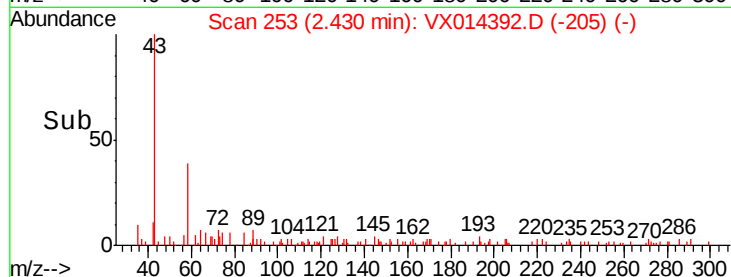
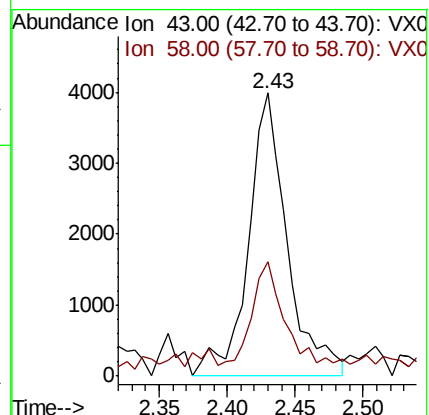
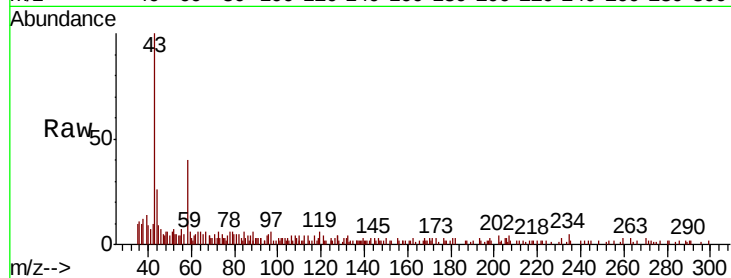
VX0103WBL01

Tot Ion: 43 Resp: 8005

Ion Ratio Lower Upper

43 100

58 32.1 24.9 37.3



#17

Carbon Disulfide

Concen: 0.953 ug/l

RT: 2.56 min Scan# 275

Delta R.T. 0.01 min

Lab File: VX014392.D

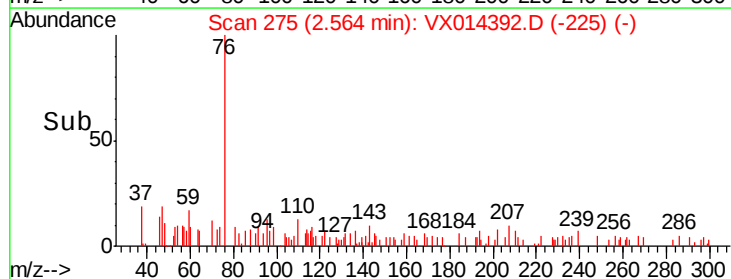
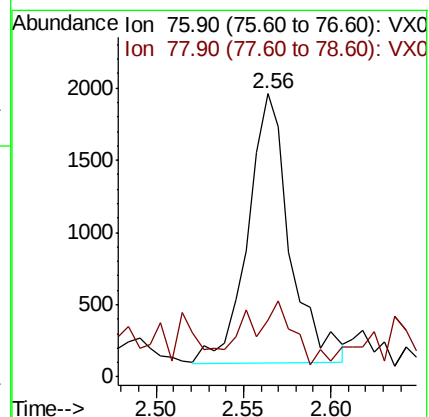
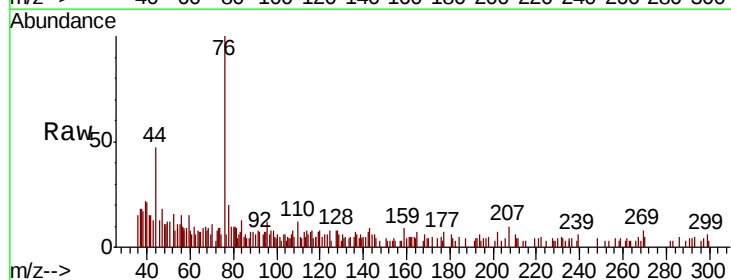
Acq: 03 Jan 2020 11:40

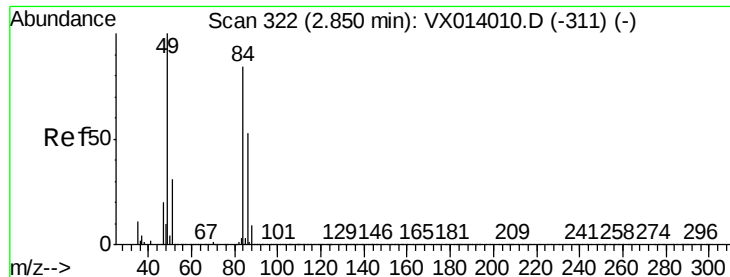
Tgt Ion: 76 Resp: 3123

Ion Ratio Lower Upper

76 100

78 10.4 7.2 10.8

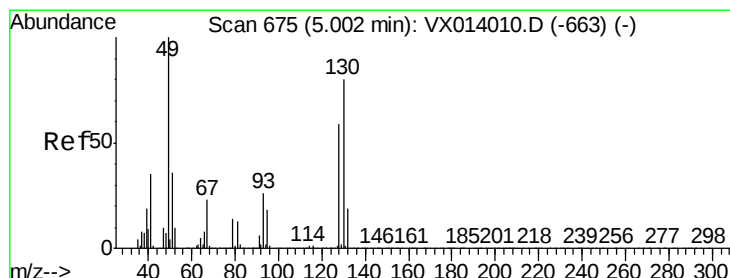
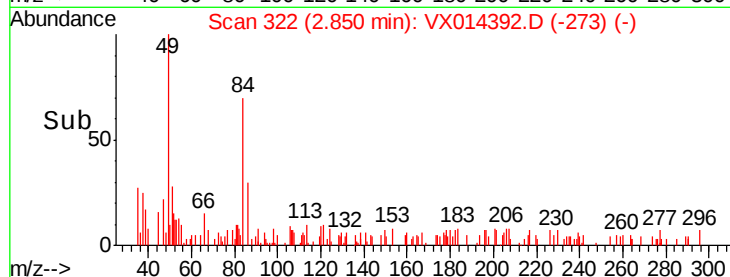
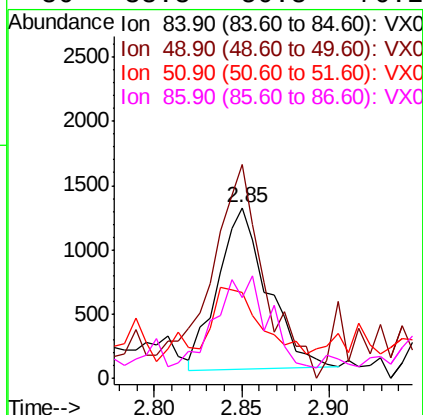
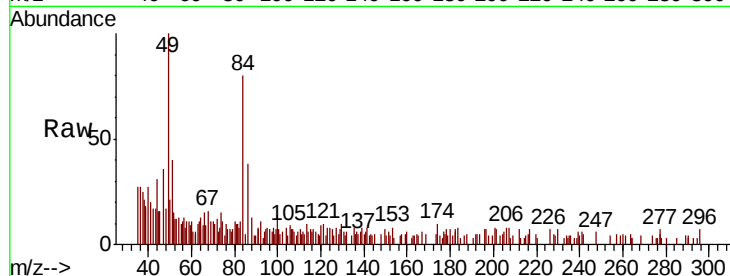




#20
Methvlene Chloride
Concen: 0.377 ug/l
RT: 2.85 min Scan# 322
Delta R.T. 0.00 min
Lab File: VX014392.D
Acq: 03 Jan 2020 11:40

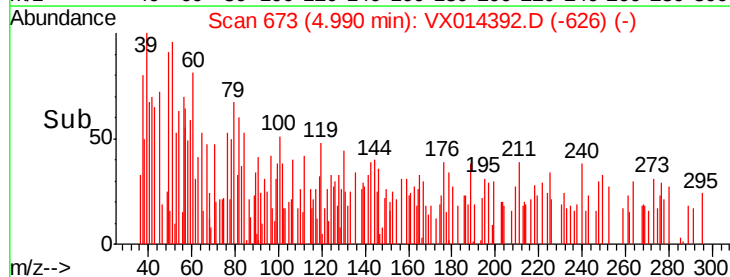
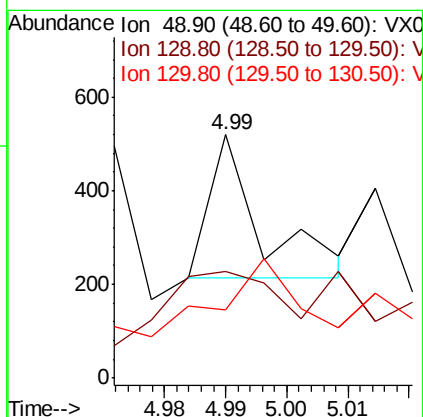
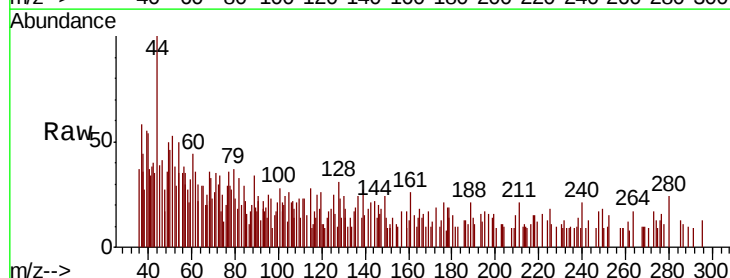
Instrument :
MSVOA_X
ClientSampleId :
VX0103WBL01

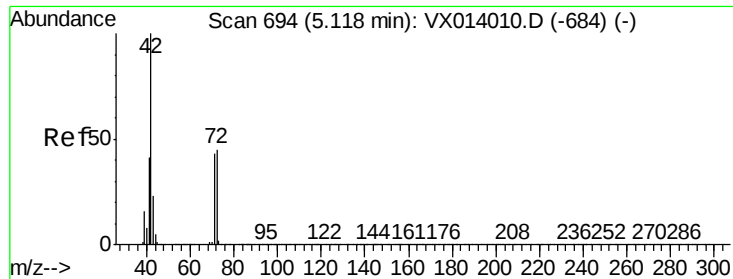
Tot Ion: 84 Resp: 2478
Ion Ratio Lower Upper
84 100
49 102.6 95.8 143.6
51 46.6 29.8 44.8#
86 38.8 50.8 76.2#



#28
Bromochloromethane
Concen: 0.497 ug/l
RT: 4.99 min Scan# 673
Delta R.T. -0.01 min
Lab File: VX014392.D
Acq: 03 Jan 2020 11:40

Tgt Ion: 49 Resp: 181
Ion Ratio Lower Upper
49 100
129 244.8 0.0 5.0#
130 74.6 64.6 97.0

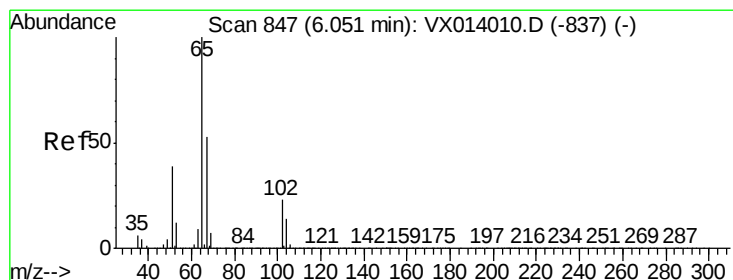
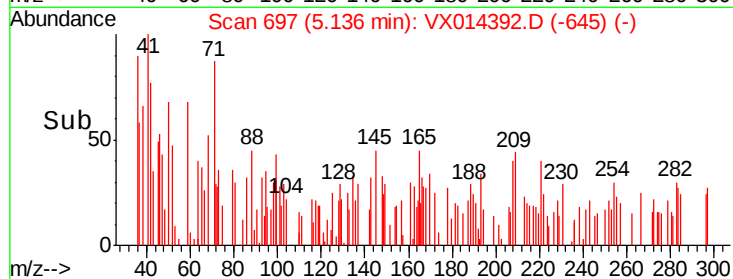
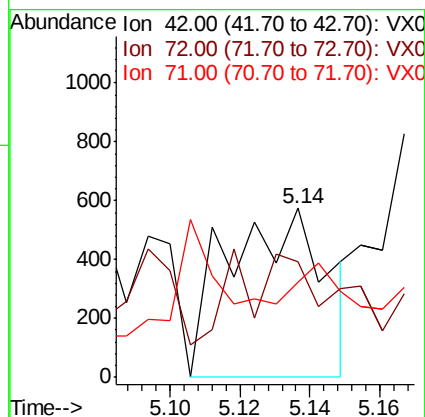
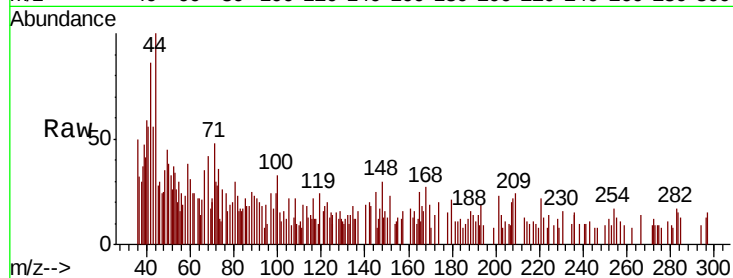




#29
Tetrahydrofuran
Concen: 0.387 ug/l
RT: 5.14 min Scan# 697
Delta R.T. 0.02 min
Lab File: VX014392.D
Acq: 03 Jan 2020 11:40

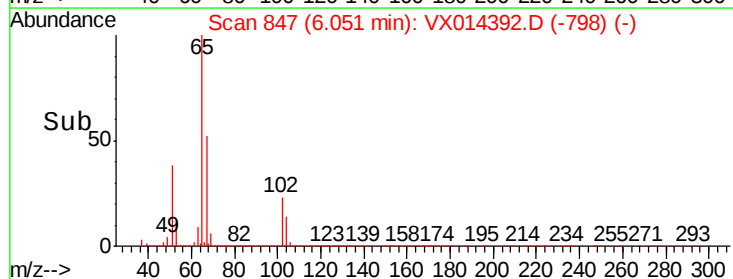
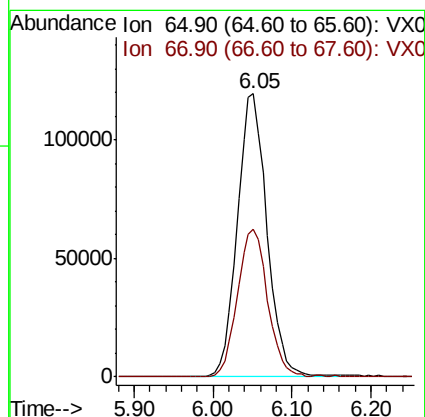
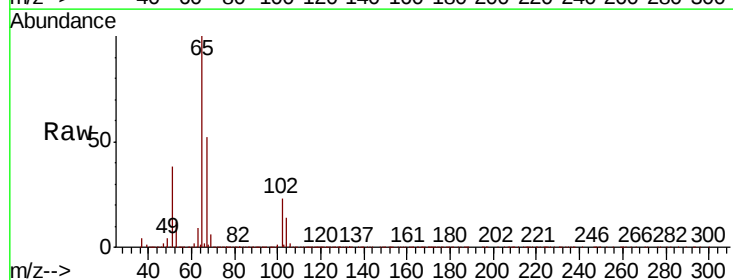
Instrument :
MSVOA_X
ClientSampled :
VX0103WBL01

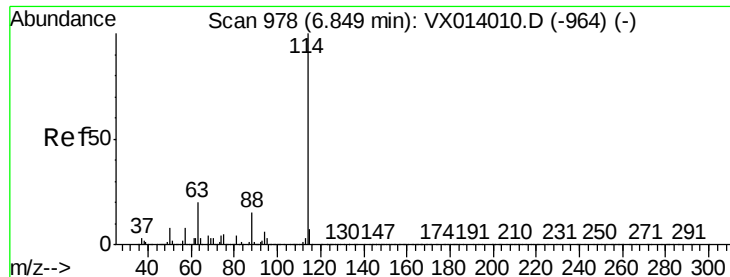
Tot Ion: 42 Resp: 1116
Ion Ratio Lower Upper
42 100
72 0.0 35.8 53.8#
71 36.9 33.6 50.4



#33
1,2-Dichloroethane-d4
Concen: 48.248 ug/l
RT: 6.05 min Scan# 847
Delta R.T. 0.00 min
Lab File: VX014392.D
Acq: 03 Jan 2020 11:40

Tgt Ion: 65 Resp: 310476
Ion Ratio Lower Upper
65 100
67 53.2 0.0 106.4





#34

1,4-Difluorobenzene

Concen: 50.000 ug/l

RT: 6.85 min Scan# 978

Delta R.T. 0.00 min

Lab File: VX014392.D

Acq: 03 Jan 2020 11:40

Instrument :

MSVOA_X

ClientSampleId :

VX0103WBL01

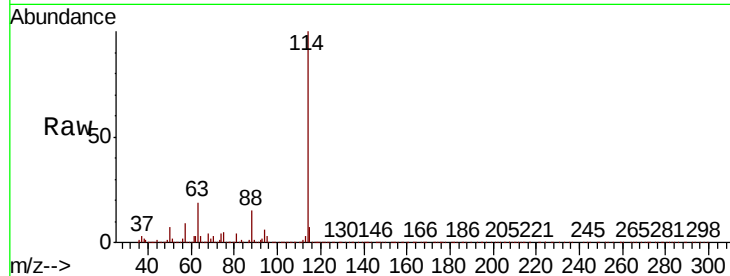
Tot Ion:114 Resp: 868503

Ion Ratio Lower Upper

114 100

63 19.3 0.0 40.8

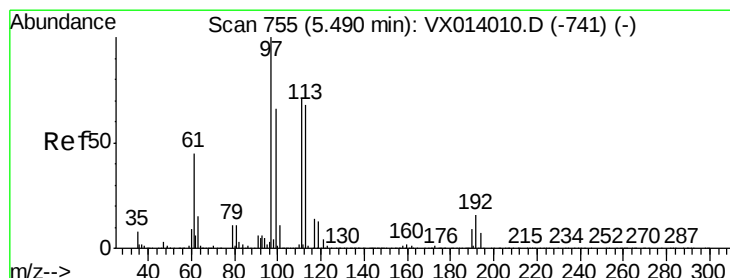
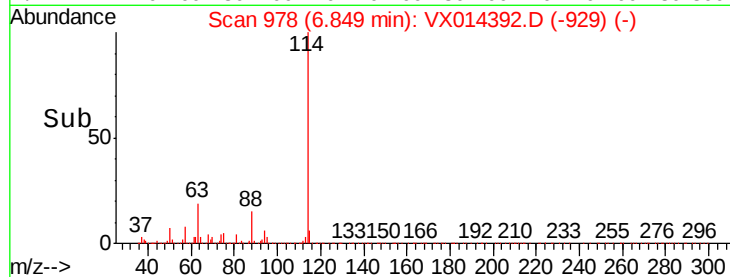
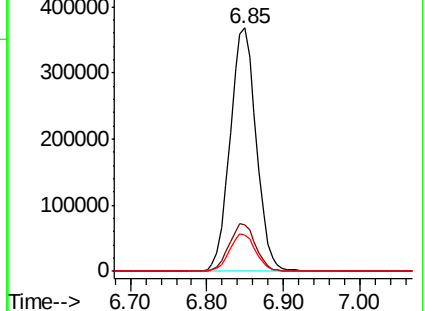
88 14.7 0.0 30.4



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: 49.664 ug/l

RT: 5.48 min Scan# 754

Delta R.T. -0.01 min

Lab File: VX014392.D

Acq: 03 Jan 2020 11:40

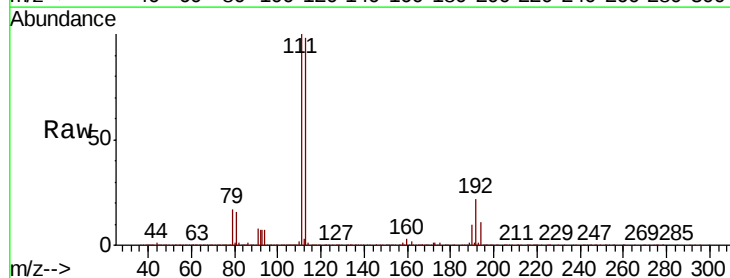
Tgt Ion:113 Resp: 262203

Ion Ratio Lower Upper

113 100

111 102.0 82.0 123.0

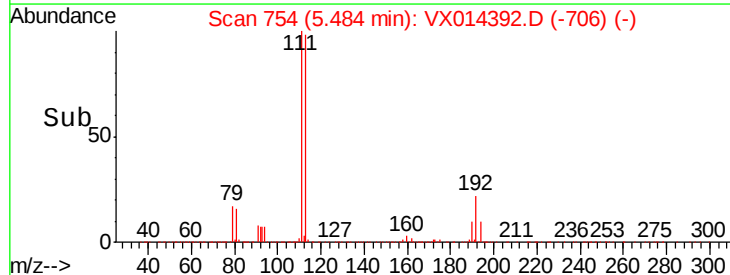
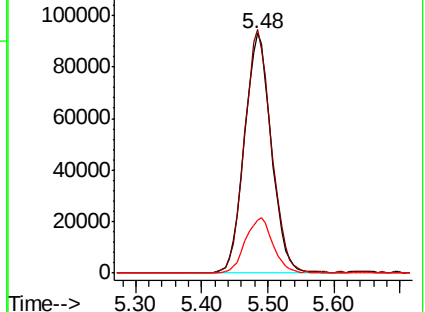
192 23.7 19.3 28.9

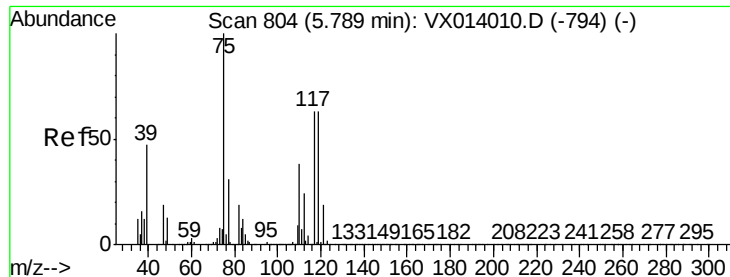


Abundance Ion 112.80 (112.50 to 113.50): V

Ion 110.80 (110.50 to 111.50): V

Ion 191.70 (191.40 to 192.40): V





#36

1,1-Dichloropropene

Concen: 4.853 ug/l

RT: 5.64 min Scan# 780

Delta R.T. -0.15 min

Lab File: VX014392.D

Acq: 03 Jan 2020 11:40

Instrument :

MSVOA_X

ClientSampleId :

VX0103WBL01

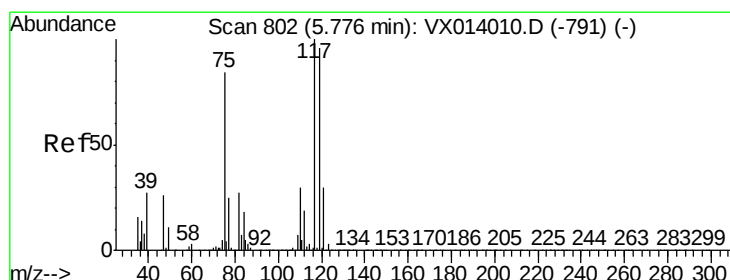
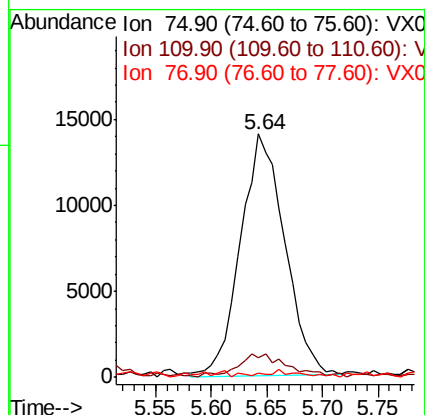
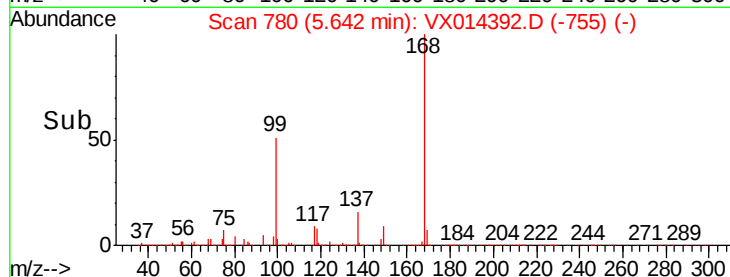
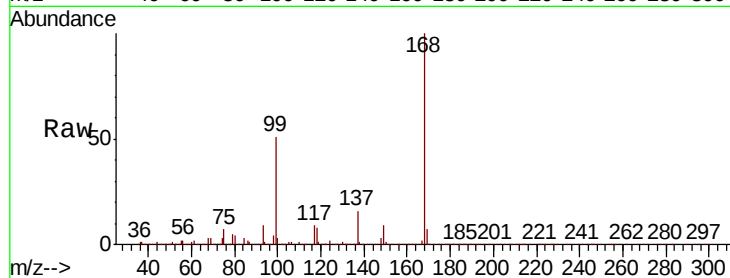
Tot Ion: 75 Resp: 38672

Ion Ratio Lower Upper

75 100

110 11.0 18.3 54.9#

77 2.3 24.8 37.2#



#38

Carbon Tetrachloride

Concen: 6.796 ug/l

RT: 5.65 min Scan# 781

Delta R.T. -0.13 min

Lab File: VX014392.D

Acq: 03 Jan 2020 11:40

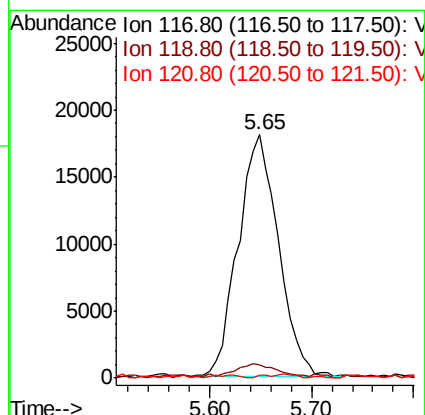
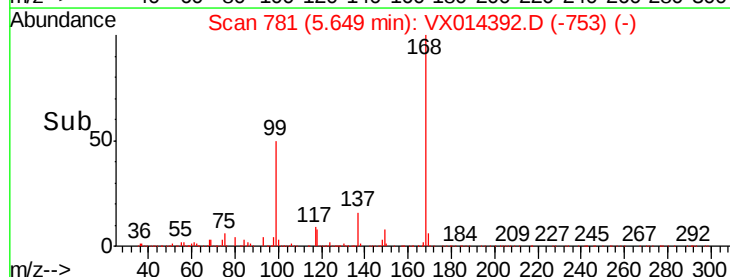
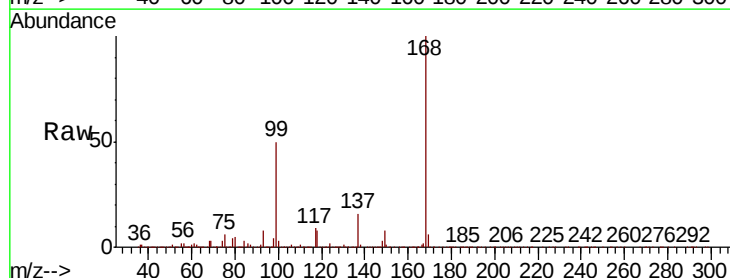
Tgt Ion: 117 Resp: 49340

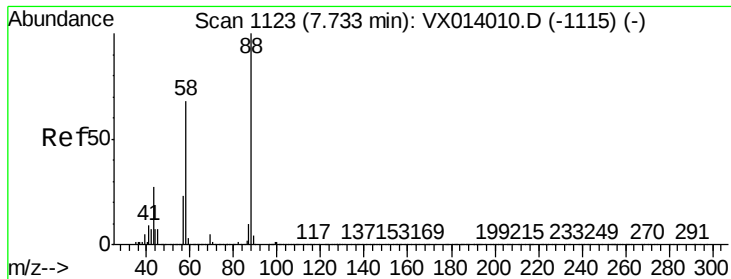
Ion Ratio Lower Upper

117 100

119 5.1 76.2 114.4#

121 1.1 23.6 35.4#

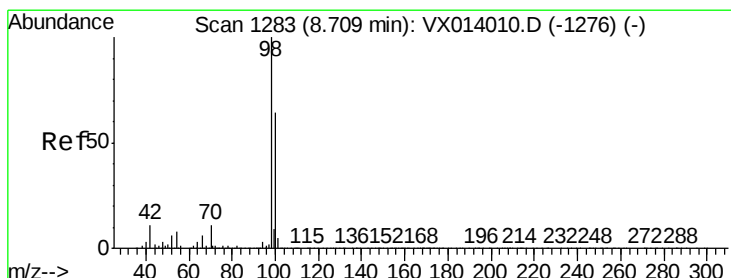
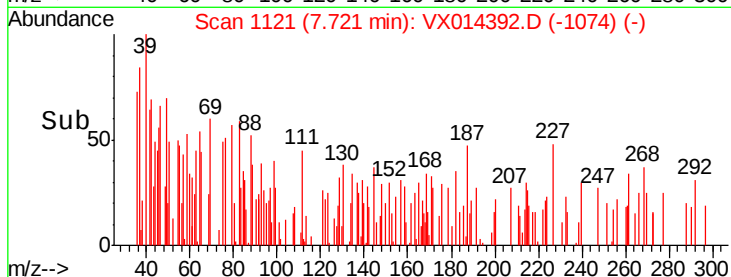
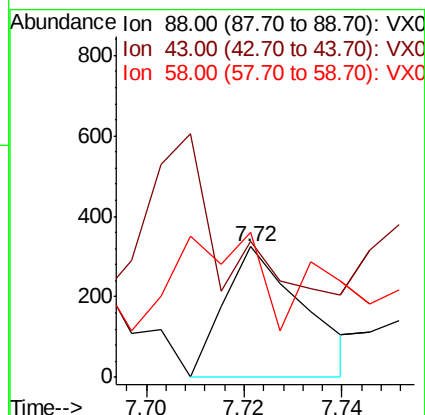
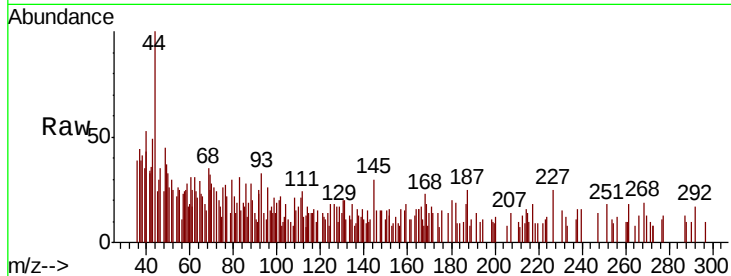




#49
1,4-Dioxane
Concen: 2.536 ug/l
RT: 7.72 min Scan# 1121
Delta R.T. -0.01 min
Lab File: VX014392.D
Acq: 03 Jan 2020 11:40

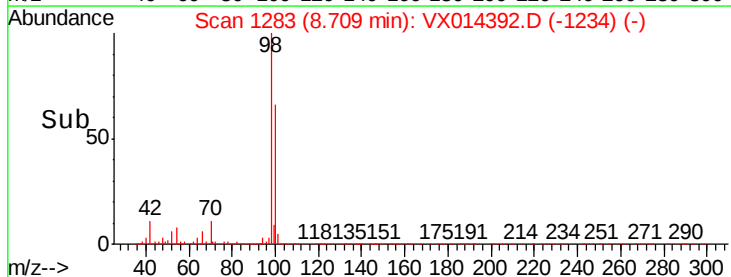
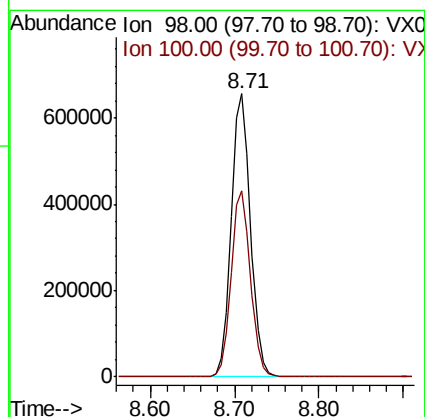
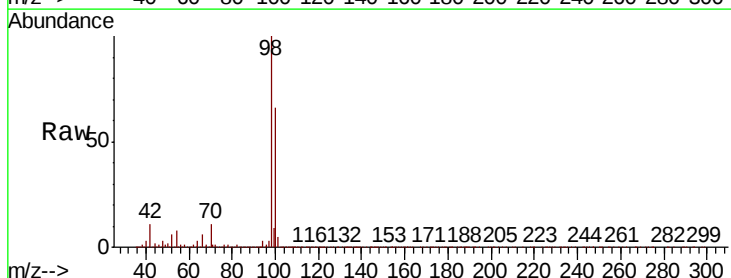
Instrument :
MSVOA_X
ClientSampled :
VX0103WBL01

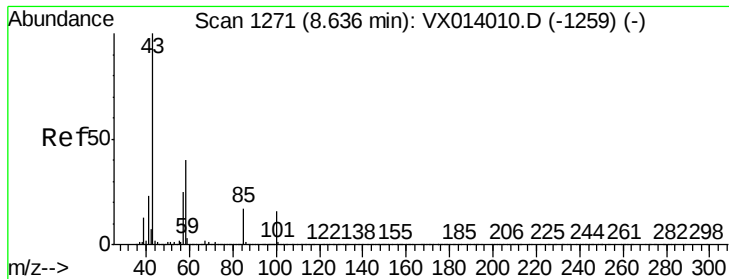
Tot Ion: 88 Resp: 368
Ion Ratio Lower Upper
88 100
43 325.5 26.5 39.7#
58 72.8 56.8 85.2



#50
Toluene-d8
Concen: 49.747 ug/l
RT: 8.71 min Scan# 1283
Delta R.T. 0.00 min
Lab File: VX014392.D
Acq: 03 Jan 2020 11:40

Tgt Ion: 98 Resp: 1022524
Ion Ratio Lower Upper
98 100
100 65.7 52.9 79.3





#51

4-Methyl-2-Pentanone

Concen: 0.263 ug/l

RT: 8.63 min Scan# 1270

Delta R.T. -0.01 min

Lab File: VX014392.D

Acq: 03 Jan 2020 11:40

Instrument :

MSVOA_X

ClientSampleId :

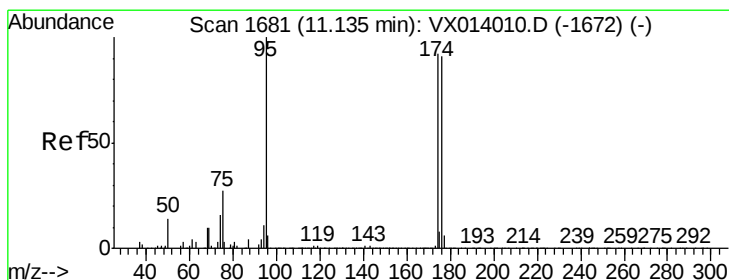
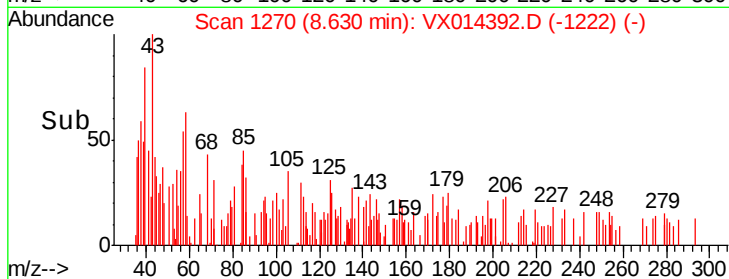
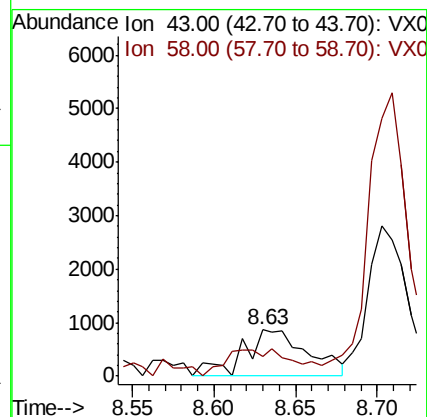
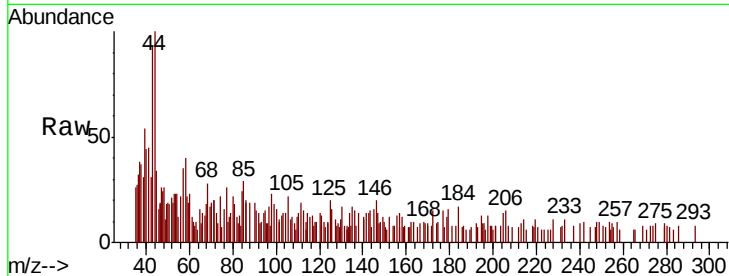
VX0103WBL01

Tot Ion: 43 Resp: 2406

Ion Ratio Lower Upper

43 100

58 61.1 32.2 48.2#



#62

4-Bromofluorobenzene

Concen: 45.212 ug/l

RT: 11.13 min Scan# 1680

Delta R.T. -0.01 min

Lab File: VX014392.D

Acq: 03 Jan 2020 11:40

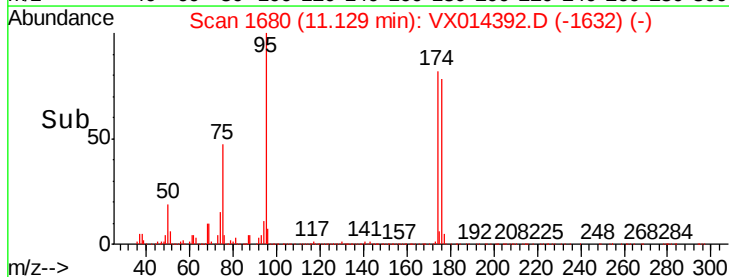
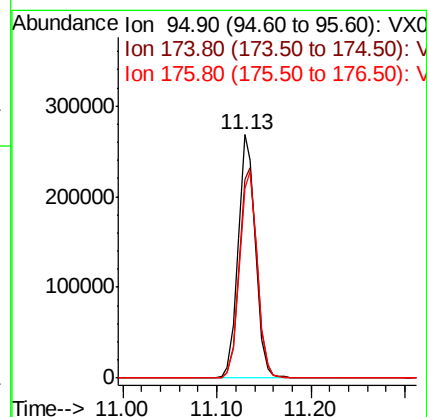
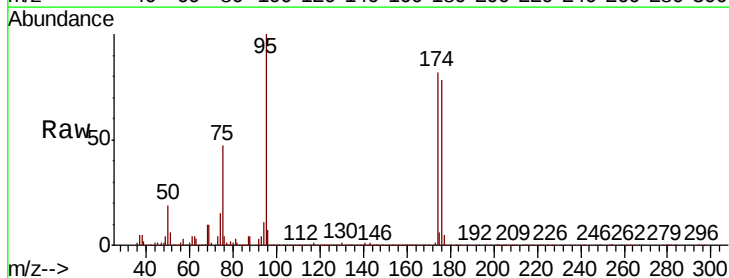
Tgt Ion: 95 Resp: 339707

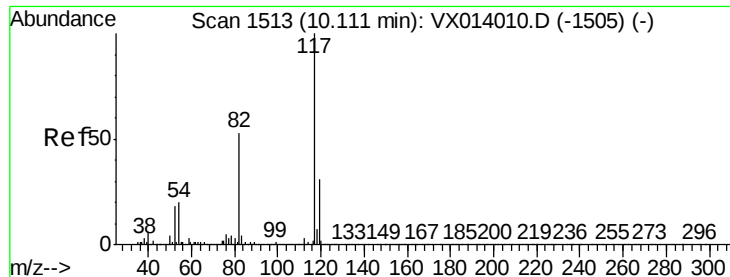
Ion Ratio Lower Upper

95 100

174 89.2 0.0 175.8

176 87.0 0.0 173.0

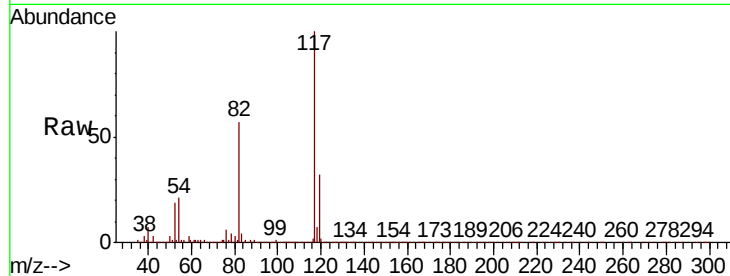




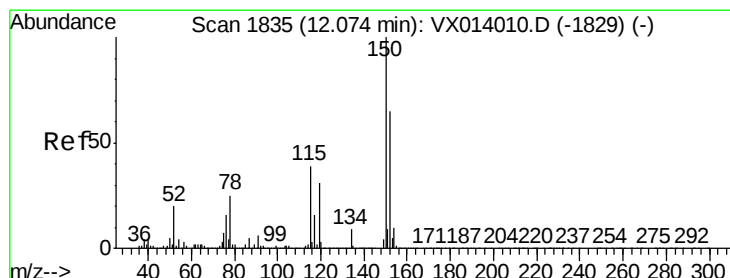
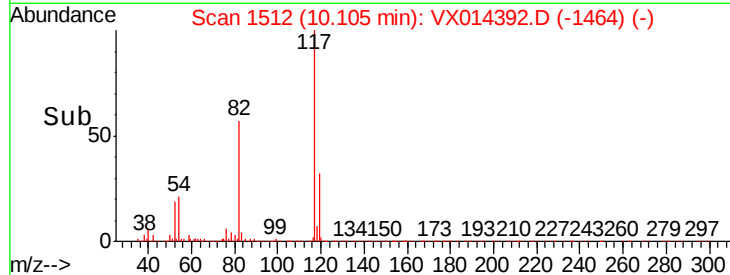
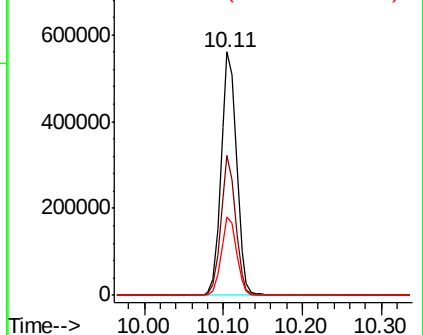
#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 10.11 min Scan# 1512
Delta R.T. -0.01 min
Lab File: VX014392.D
Acq: 03 Jan 2020 11:40

Instrument :
MSVOA_X
ClientSampleId :
VX0103WBL01

Tot Ion	Ratio	Lower	Upper
117	100		
82	57.2	42.2	63.4
119	32.4	25.1	37.7

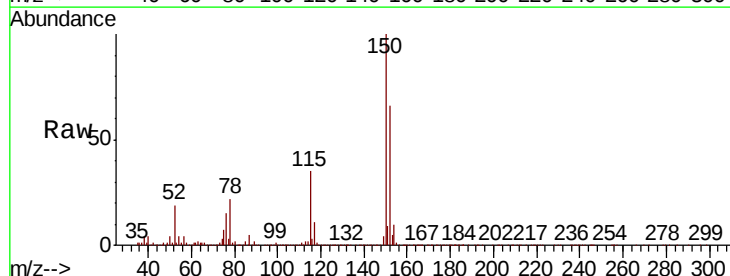


Abundance Ion 116.90 (116.60 to 117.60): V
Ion 82.00 (81.70 to 82.70): VX0
Ion 118.90 (118.60 to 119.60): V

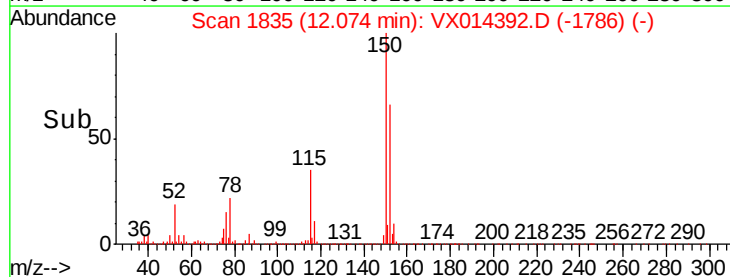
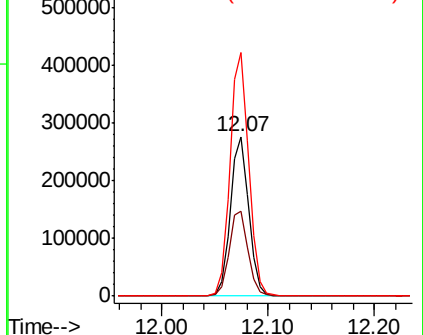


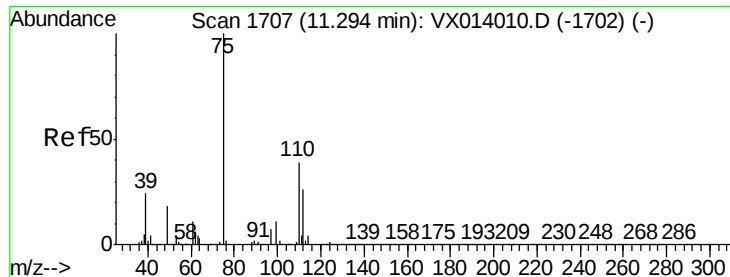
#72
1,4-Dichlorobenzene-d4
Concen: 50.000 ug/l
RT: 12.07 min Scan# 1835
Delta R.T. 0.00 min
Lab File: VX014392.D
Acq: 03 Jan 2020 11:40

Tgt Ion	Ratio	Lower	Upper
152	100		
115	54.8	38.3	114.9
150	155.7	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: 22.567 ug/l

RT: 11.13 min Scan# 1680

Delta R.T. -0.16 min

Lab File: VX014392.D

Acq: 03 Jan 2020 11:40

Instrument :

MSVOA_X

ClientSampleId :

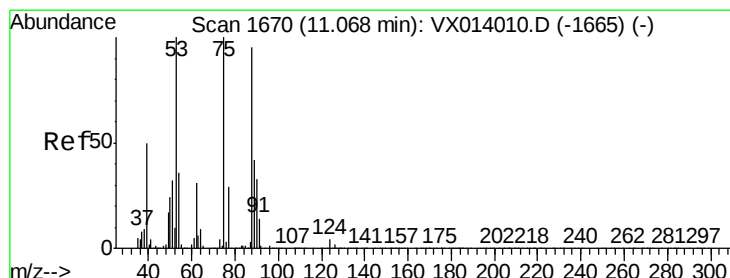
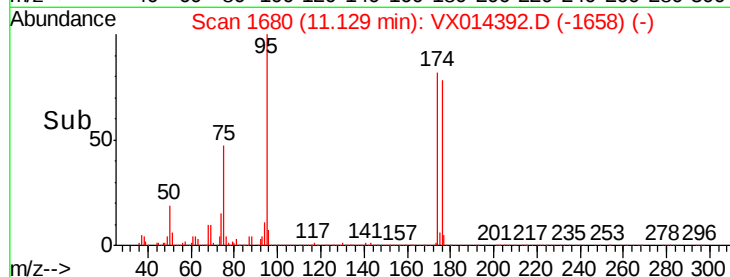
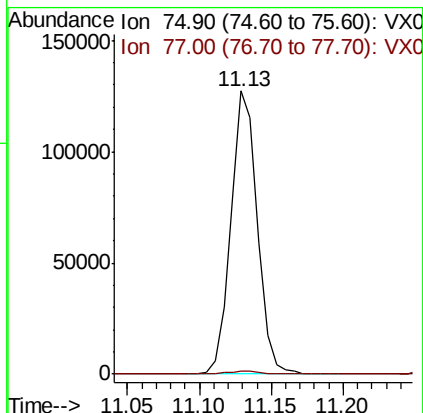
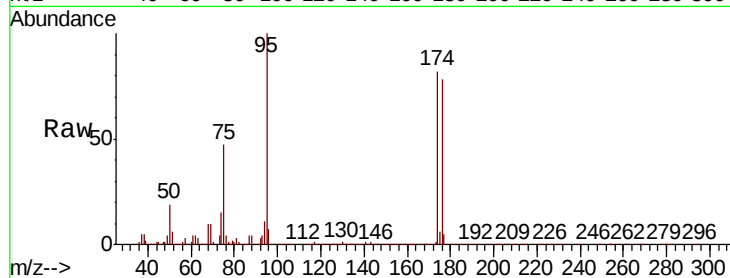
VX0103WBL01

Tot Ion: 75 Resp: 163589

Ion Ratio Lower Upper

75 100

77 1.5 19.3 57.8#



#81

trans-1,4-Dichloro-2-butene

Concen: 63.697 ug/l

RT: 11.13 min Scan# 1680

Delta R.T. 0.06 min

Lab File: VX014392.D

Acq: 03 Jan 2020 11:40

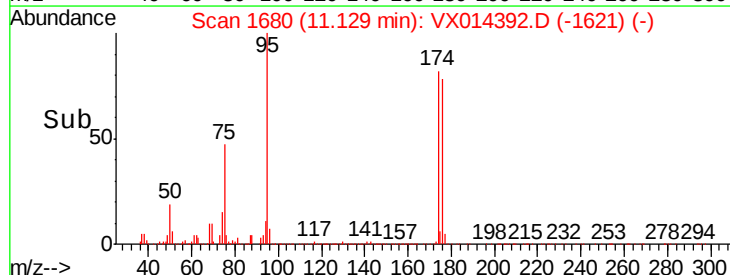
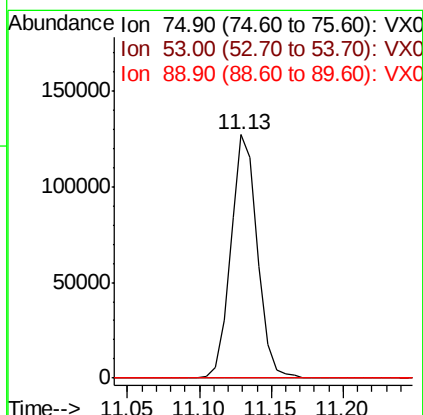
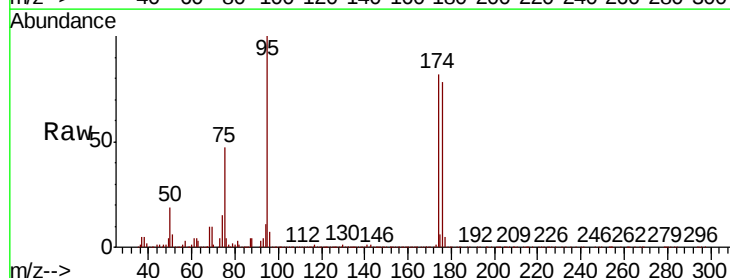
Tgt Ion: 75 Resp: 163589

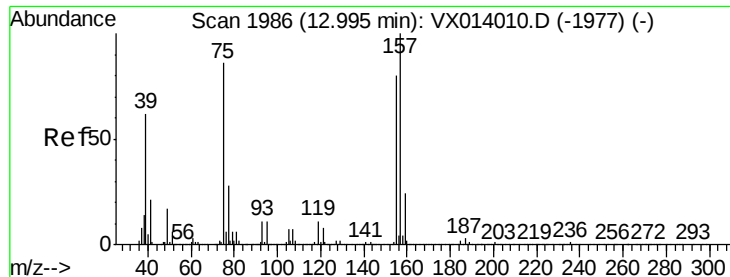
Ion Ratio Lower Upper

75 100

53 0.0 76.7 115.1#

89 0.1 34.6 51.8#





#92

1,2-Dibromo-3-Chloropropane

Concen: 0.339 ug/l

RT: 13.00 min Scan# 1987

Delta R.T. 0.01 min

Lab File: VX014392.D

Acq: 03 Jan 2020 11:40

Instrument :

MSVOA_X

ClientSampleId :

VX0103WBL01

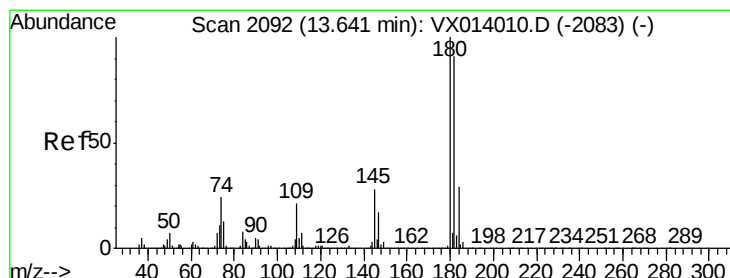
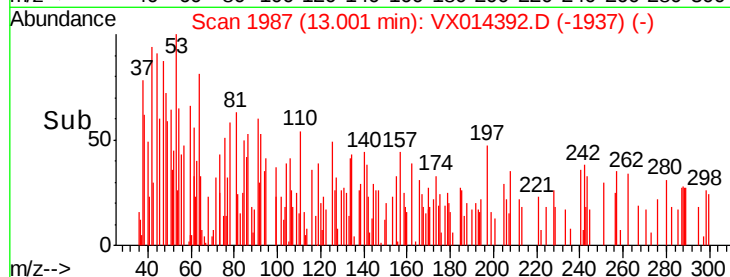
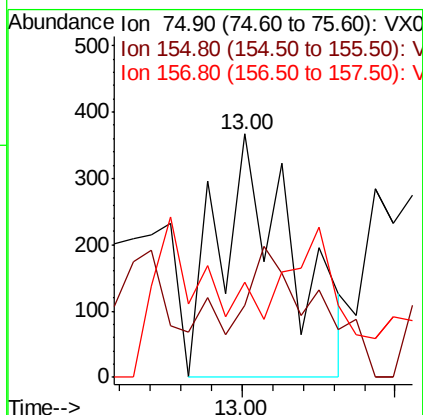
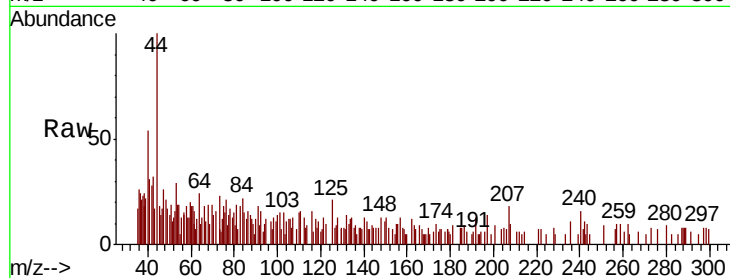
Tot Ion: 75 Resp: 612

Ion Ratio Lower Upper

75 100

155 61.6 46.9 140.6

157 0.0 60.8 182.4#



#93

1,2,4-Trichlorobenzene

Concen: 0.243 ug/l

RT: 13.64 min Scan# 2092

Delta R.T. 0.00 min

Lab File: VX014392.D

Acq: 03 Jan 2020 11:40

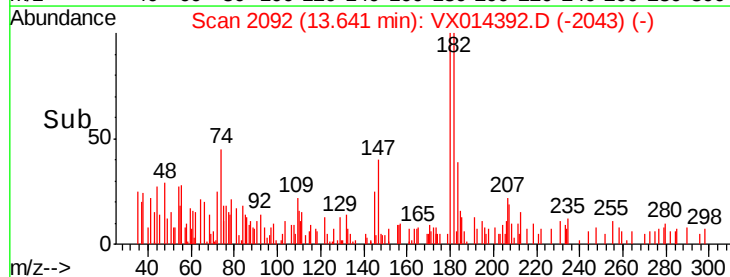
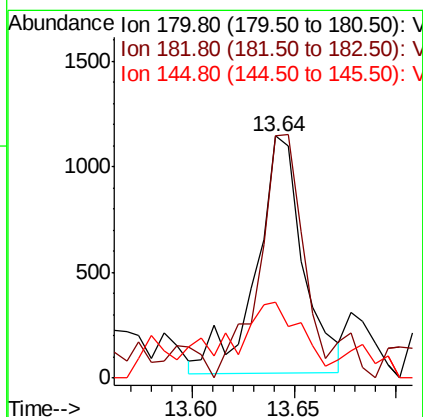
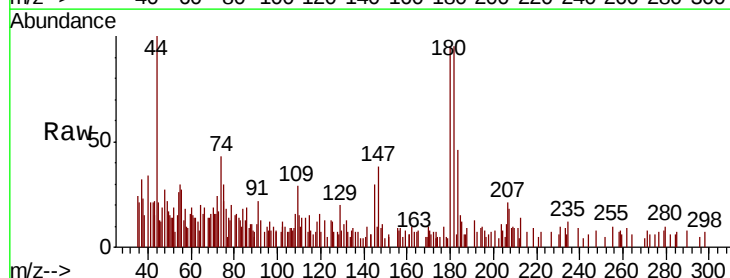
Tgt Ion: 180 Resp: 1800

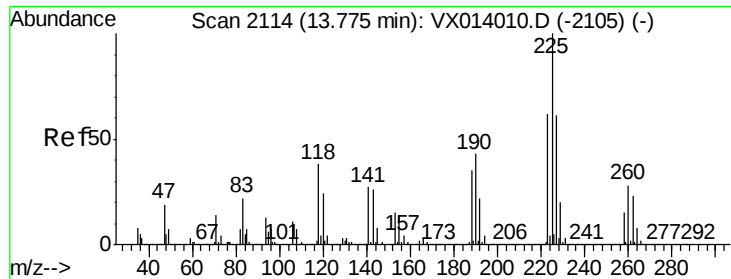
Ion Ratio Lower Upper

180 100

182 103.3 46.6 139.8

145 40.7 14.2 42.6





#94

Hexachlorobutadiene

Concen: 0.224 ug/l

RT: 13.78 min Scan# 2115

Delta R.T. 0.01 min

Lab File: VX014392.D

Acq: 03 Jan 2020 11:40

Instrument :

MSVOA_X

ClientSampleId :

VX0103WBL01

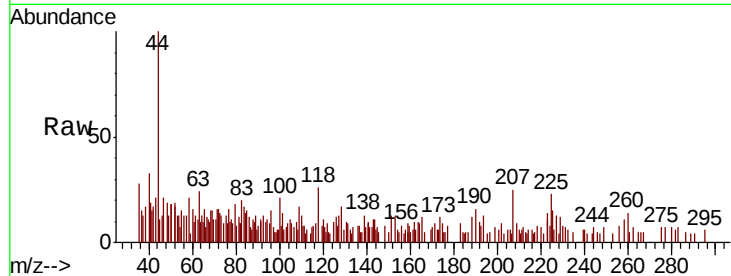
Tot Ion:225 Resp: 798

Ion Ratio Lower Upper

225 100

223 63.3 30.9 92.5

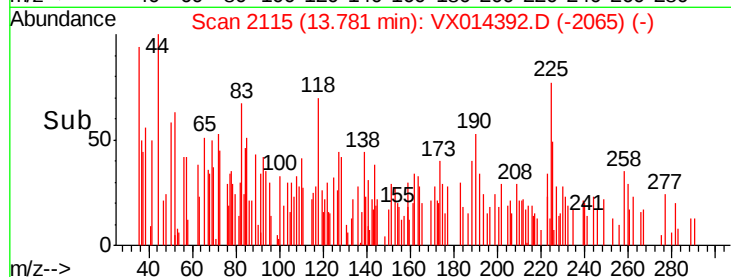
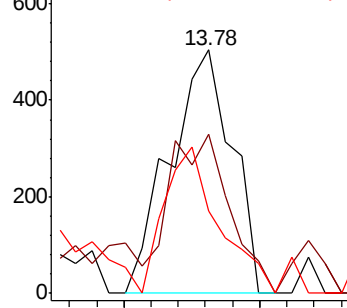
227 52.8 30.9 92.7



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: 0.244 ug/l

RT: 13.83 min Scan# 2123

Delta R.T. 0.00 min

Lab File: VX014392.D

Acq: 03 Jan 2020 11:40

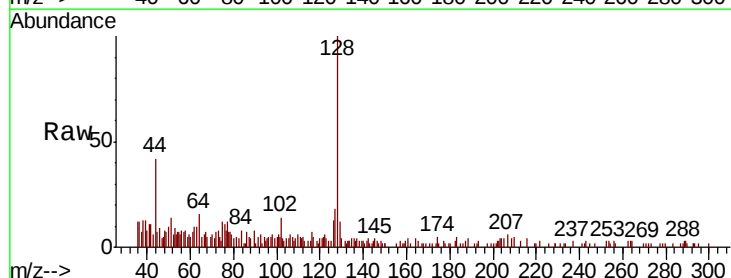
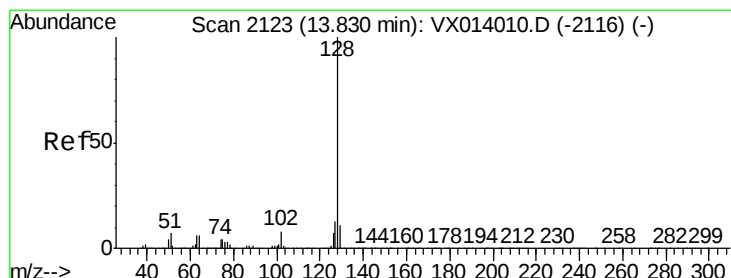
Tgt Ion:128 Resp: 5315

Ion Ratio Lower Upper

128 100

127 21.7 10.2 15.4#

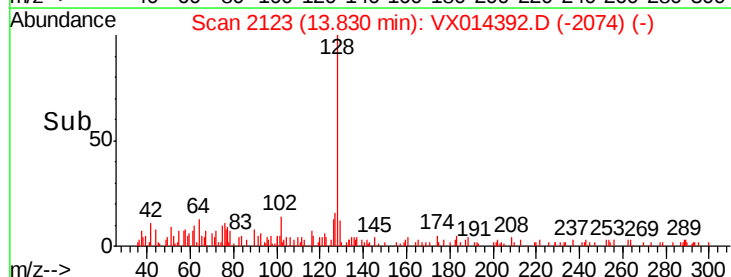
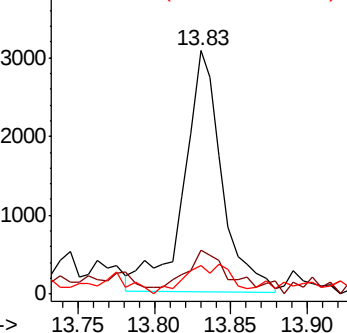
129 14.7 8.7 13.1#

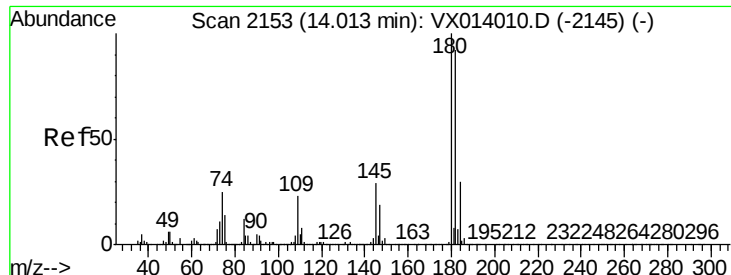


Abundance Ion 128.00 (127.70 to 128.70): V

Ion 127.00 (126.70 to 127.70): V

Ion 129.00 (128.70 to 129.70): V

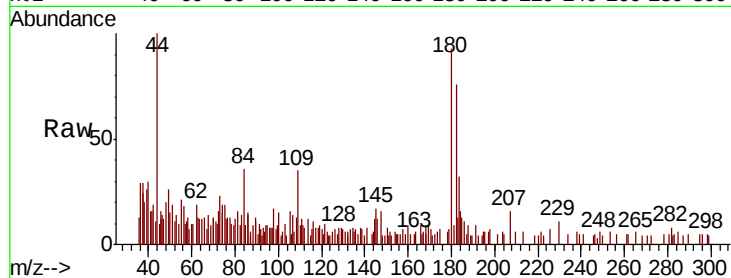




#96
 1,2,3-Trichlorobenzene
 Concen: 0.328 ug/l
 RT: 14.01 min Scan# 2153
 Delta R.T. 0.00 min
 Lab File: VX014392.D
 Acq: 03 Jan 2020 11:40

Instrument :
 MSVOA_X
 ClientSampleId :
 VX0103WBL01

Tot Ion	Ratio	Lower	Upper
180	100		
182	76.0	46.8	140.3
145	32.5	14.8	44.4



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

