

Data Path : Z:\VOASRV\HPCHEM1\MSVOA_X\DATA\VX123119\
 Data File : VX014371.D
 Acq On : 31 Dec 2019 11:38
 Operator : JC/SP
 Sample : VX1231WBL01
 Misc : 5.0mL/MSVOA_X/WATER
 ALS Vial : 3 Sample Multiplier: 1

Instrument :
 MSVOA_X
 ClientSampleId :
 VX1231WBL01

Quant Time: Jan 01 03:14:40 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	522398	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	6.85	114	802895	50.00	ug/l	0.00
63) Chlorobenzene-d5	10.11	117	713493	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	12.07	152	302783	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	292603	49.42	ug/l	0.00
Spiked Amount			Recovery	=	98.84%	
35) Dibromofluoromethane	5.48	113	243585	49.91	ug/l	0.00
Spiked Amount			Recovery	=	99.82%	
50) Toluene-d8	8.71	98	953667	50.19	ug/l	0.00
Spiked Amount			Recovery	=	100.38%	
62) 4-Bromofluorobenzene	11.13	95	313196	45.09	ug/l	0.00
Spiked Amount			Recovery	=	90.18%	

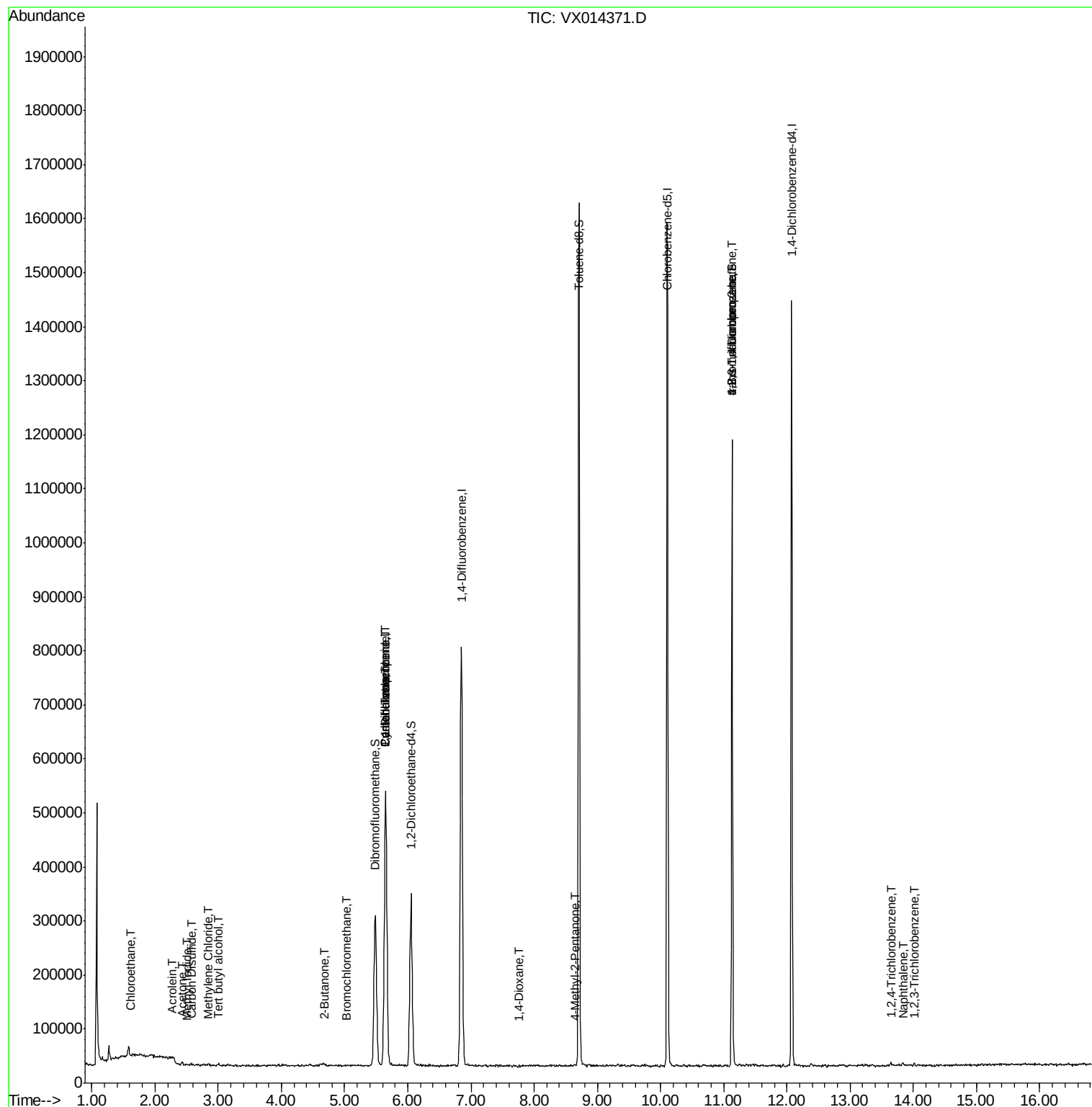
Target Compounds	R.T.	QIon	Response	Conc	Units	Qvalue
6) Chloroethane	1.62	64	1299	0.318	ug/l #	82
10) Methyl Iodide	2.50	142	2184	2.939	ug/l #	71
11) Tert butyl alcohol	3.00	59	3229	2.524	ug/l #	77
13) Acrolein	2.27	56	817	1.116	ug/l	95
16) Acetone	2.43	43	7643	1.988	ug/l	98
17) Carbon Disulfide	2.57	76	3239	0.979	ug/l #	75
20) Methylene Chloride	2.84	84	1218	0.201	ug/l	93
25) 2-Butanone	4.68	43	1647	0.348	ug/l	96
28) Bromochloromethane	5.03	49	662	0.625	ug/l #	11
31) Cyclohexane	5.64	56	9647	1.090	ug/l #	1
36) 1,1-Dichloropropene	5.65	75	36114	4.902	ug/l #	51
38) Carbon Tetrachloride	5.64	117	46881	6.985	ug/l #	17
49) 1,4-Dioxane	7.75	88	148	1.103	ug/l #	1
51) 4-Methyl-2-Pentanone	8.64	43	1975	0.234	ug/l #	51
76) 1,2,3-Trichloropropane	11.13	75	149732	22.779	ug/l #	39
81) trans-1,4-Dichloro-2-buten	11.13	75	149732	64.293	ug/l #	12
93) 1,2,4-Trichlorobenzene	13.65	180	1620	0.241	ug/l #	77
95) Naphthalene	13.84	128	3988	0.202	ug/l #	63
96) 1,2,3-Trichlorobenzene	14.01	180	1674	0.252	ug/l #	24

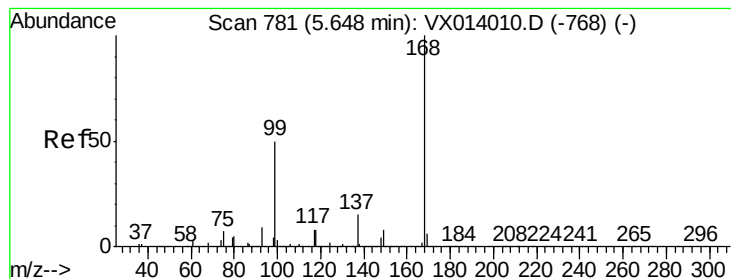
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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ClientSampled :
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Quant Title : SW846 8260
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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: VX014371.D

Acq: 31 Dec 2019 11:38

Instrument :

MSVOA_X

ClientSampleId :

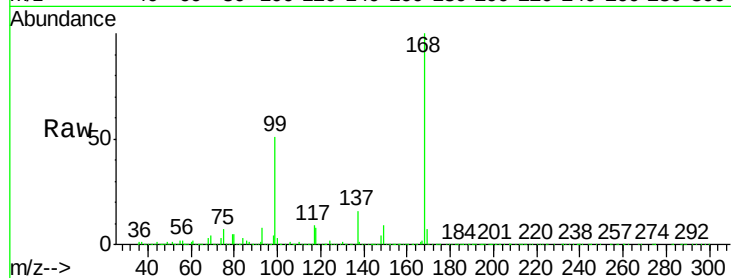
VX1231WBL01

Tgt Ion:168 Resp: 522398

Ion Ratio Lower Upper

168 100

99 50.8 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

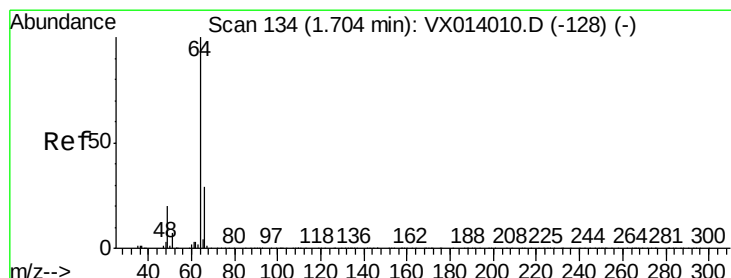
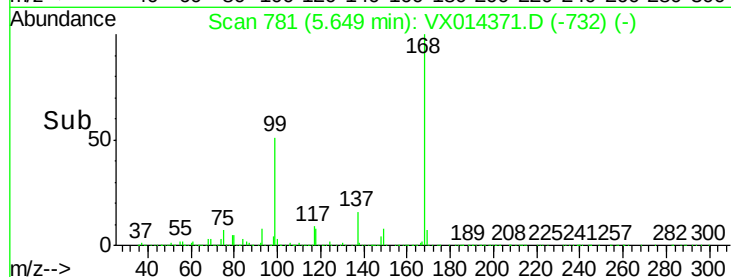
150000

100000

50000

0

Time-->



#6

Chloroethane

Concen: 0.318 ug/l

RT: 1.62 min Scan# 120

Delta R.T. -0.09 min

Lab File: VX014371.D

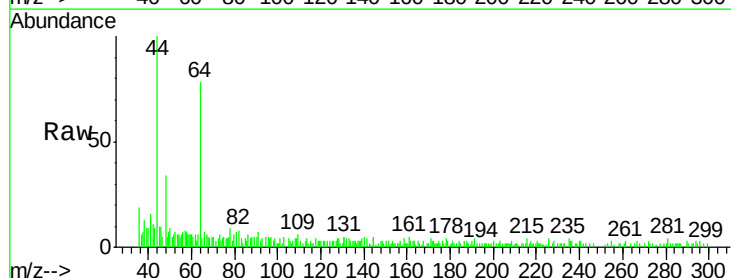
Acq: 31 Dec 2019 11:38

Tgt Ion: 64 Resp: 1299

Ion Ratio Lower Upper

64 100

66 19.9 23.4 35.2#



Abundance Ion 63.90 (63.60 to 64.60): VX0

Ion 65.90 (65.60 to 66.60): VX0

1.62

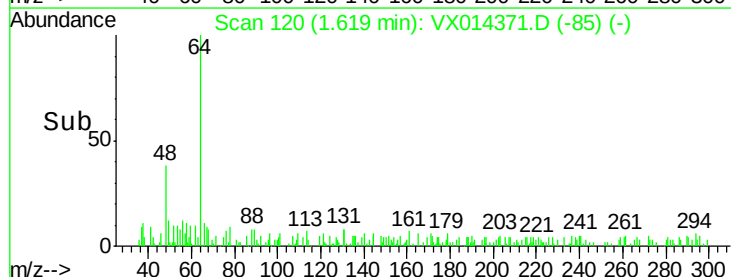
3000

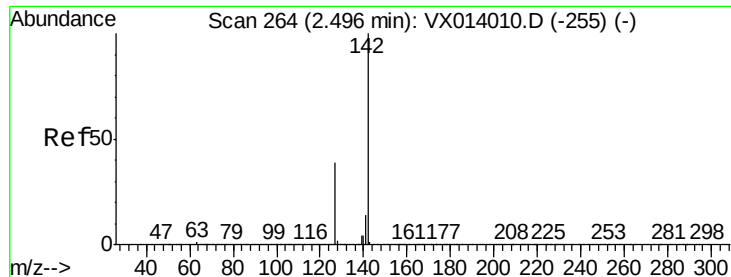
2000

1000

0

Time-->

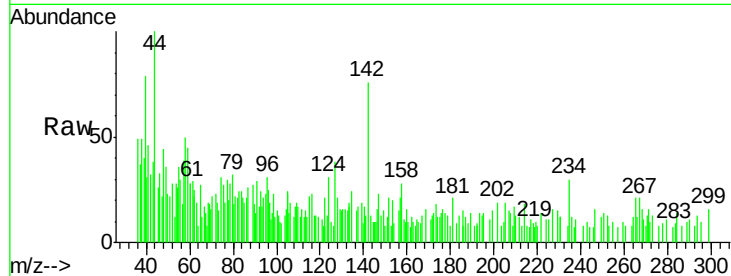




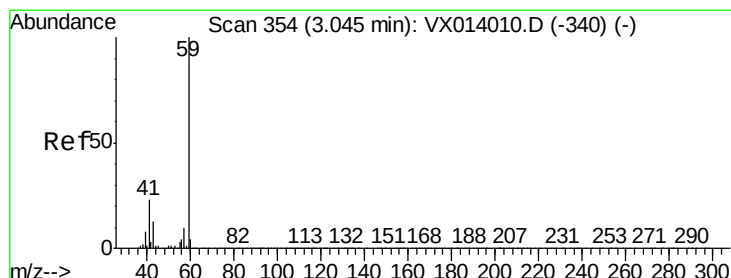
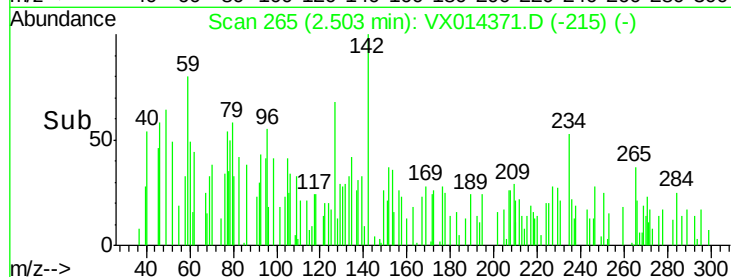
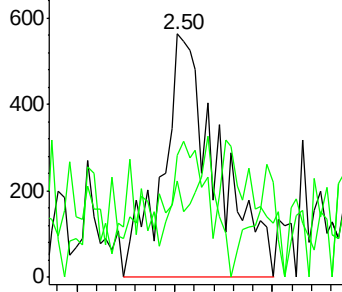
#10
Methyl Iodide
Concen: 2.939 ug/l
RT: 2.50 min Scan# 265
Delta R.T. 0.01 min
Lab File: VX014371.D
Acq: 31 Dec 2019 11:38

Instrument :
MSVOA_X
ClientSampleId :
VX1231WBL01

Tgt Ion: 142 Resp: 2184
Ion Ratio Lower Upper
142 100
127 22.8 31.6 47.4#
141 0.0 11.6 17.4#

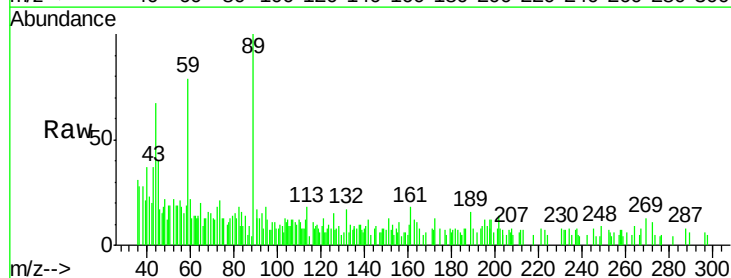


Abundance Ion 141.80 (141.50 to 142.50): V
Ion 126.80 (126.50 to 127.50): V
Ion 140.80 (140.50 to 141.50): V

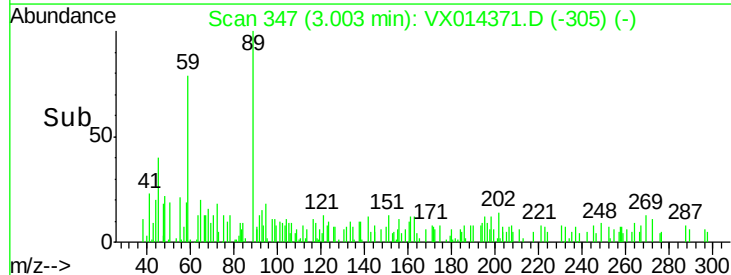
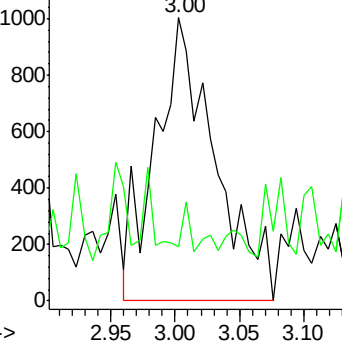


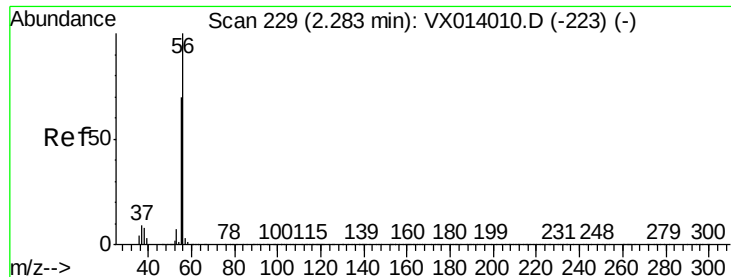
#11
Tert butyl alcohol
Concen: 2.524 ug/l
RT: 3.00 min Scan# 347
Delta R.T. -0.04 min
Lab File: VX014371.D
Acq: 31 Dec 2019 11:38

Tgt Ion: 59 Resp: 3229
Ion Ratio Lower Upper
59 100
57 1.9 8.4 12.6#



Abundance Ion 59.00 (58.70 to 59.70): VX0
Ion 57.00 (56.70 to 57.70): VX0





#13

Acrolein

Concen: 1.116 ug/l

RT: 2.27 min Scan# 226

Delta R.T. -0.02 min

Lab File: VX014371.D

Acq: 31 Dec 2019 11:38

Instrument :

MSVOA_X

ClientSampled :

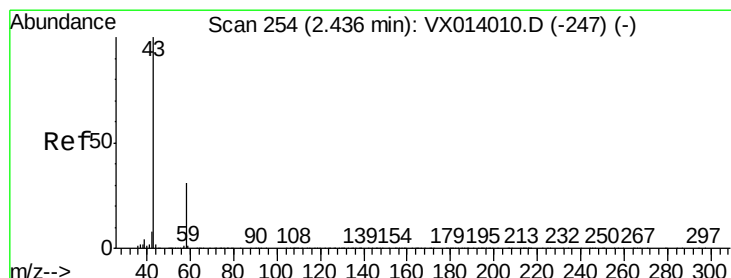
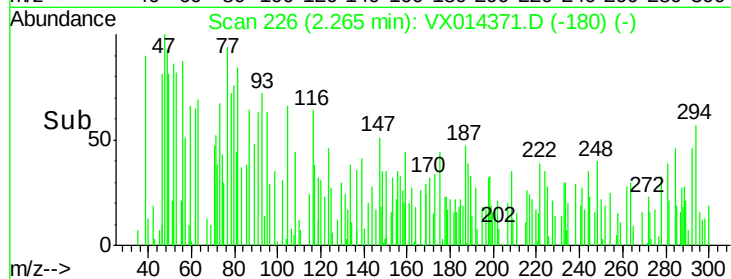
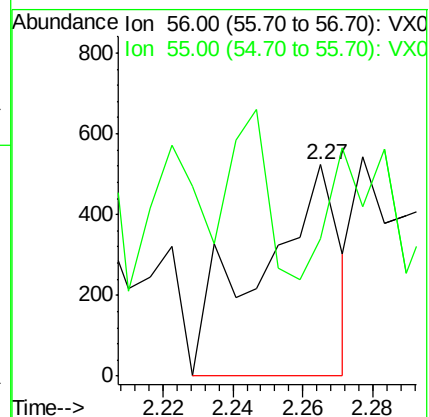
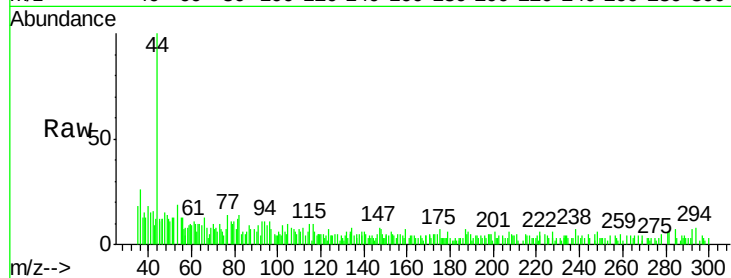
VX1231WBL01

Tgt Ion: 56 Resp: 817

Ion Ratio Lower Upper

56 100

55 66.6 56.9 85.3



#16

Acetone

Concen: 1.988 ug/l

RT: 2.43 min Scan# 253

Delta R.T. -0.01 min

Lab File: VX014371.D

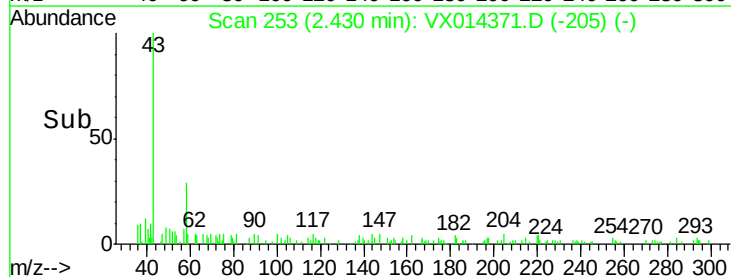
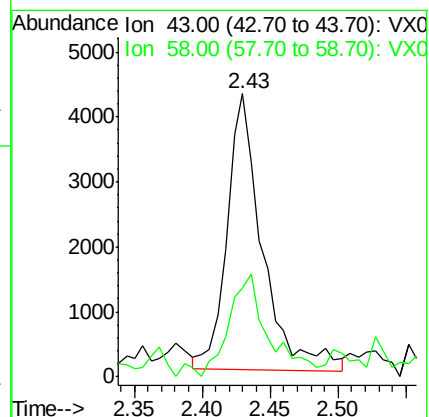
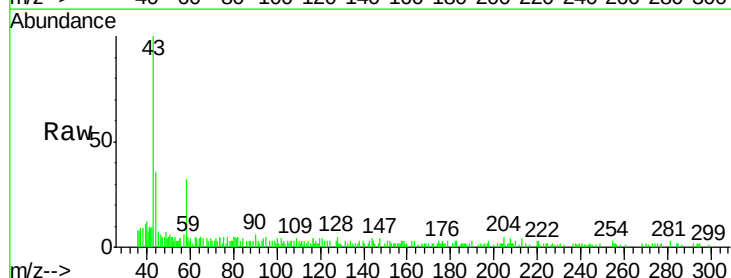
Acq: 31 Dec 2019 11:38

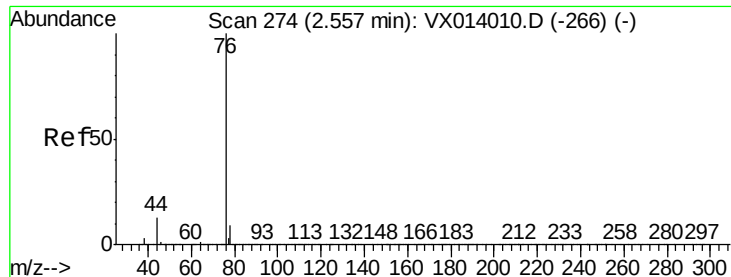
Tgt Ion: 43 Resp: 7643

Ion Ratio Lower Upper

43 100

58 30.0 24.9 37.3





#17

Carbon Disulfide

Concen: 0.979 ug/l

RT: 2.57 min Scan# 276

Delta R.T. 0.01 min

Lab File: VX014371.D

Acq: 31 Dec 2019 11:38

Instrument :

MSVOA_X

ClientSampleId :

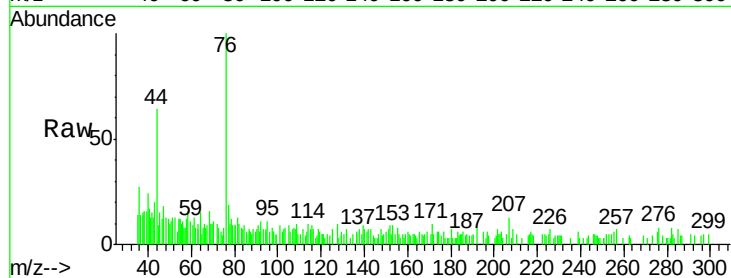
VX1231WBL01

Tgt Ion: 76 Resp: 3239

Ion Ratio Lower Upper

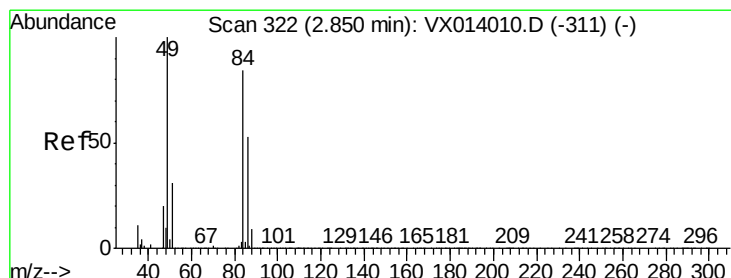
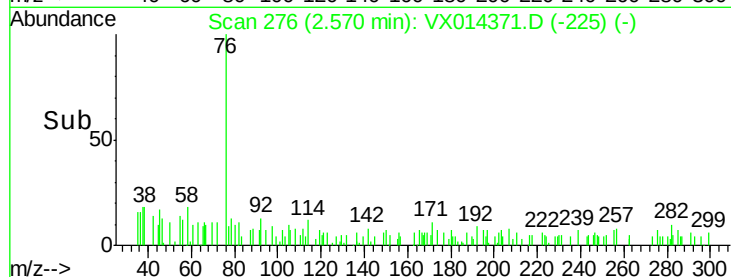
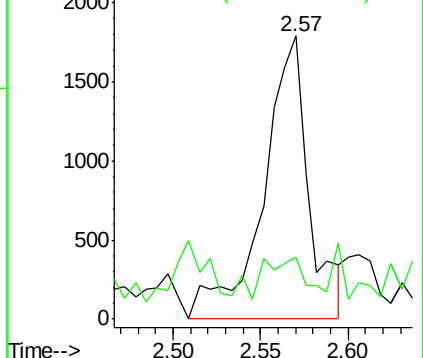
76 100

78 0.0 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: 0.201 ug/l

RT: 2.84 min Scan# 321

Delta R.T. -0.01 min

Lab File: VX014371.D

Acq: 31 Dec 2019 11:38

Tgt Ion: 84 Resp: 1218

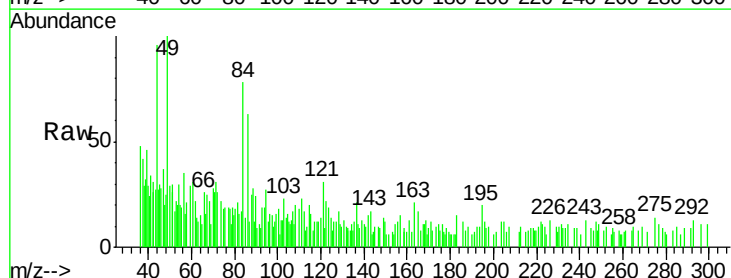
Ion Ratio Lower Upper

84 100

49 117.4 95.8 143.6

51 44.6 29.8 44.8

86 74.4 50.8 76.2

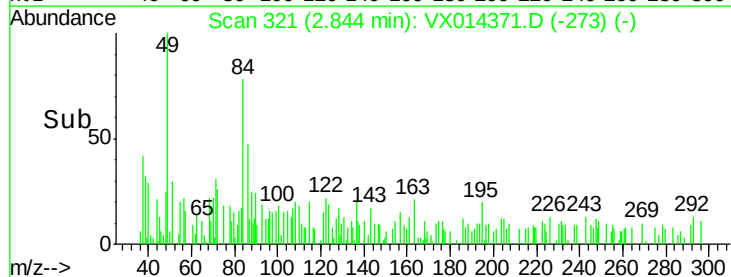
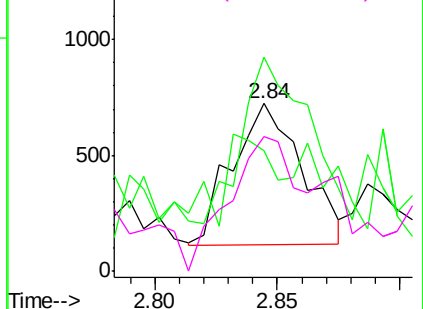


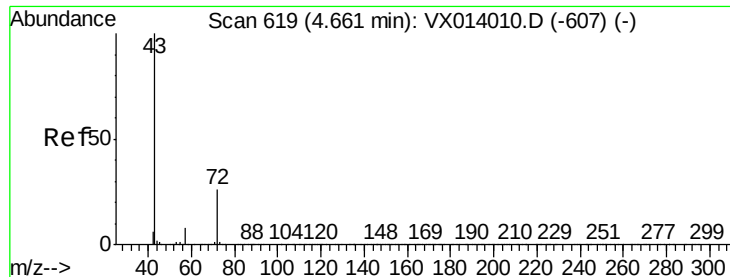
Abundance Ion 83.90 (83.60 to 84.60): VX0

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





#25

2-Butanone

Concen: 0.348 ug/l

RT: 4.68 min Scan# 622

Delta R.T. 0.02 min

Lab File: VX014371.D

Acq: 31 Dec 2019 11:38

Instrument :

MSVOA_X

ClientSampled :

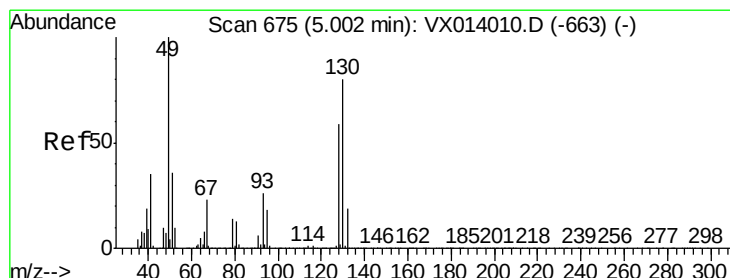
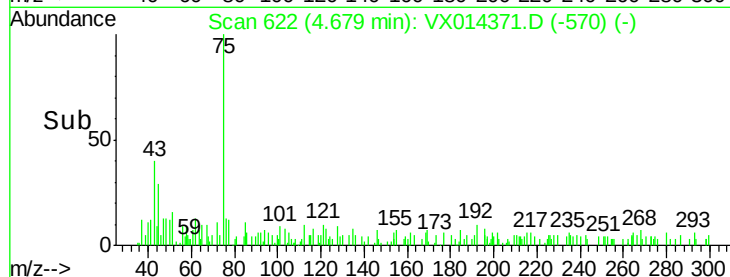
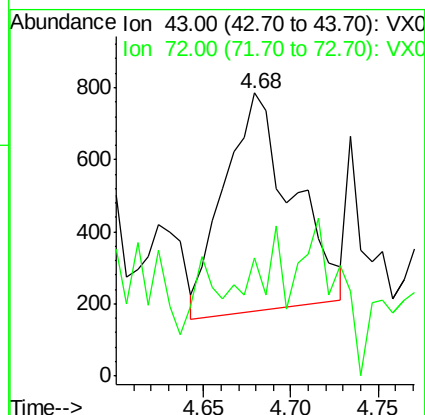
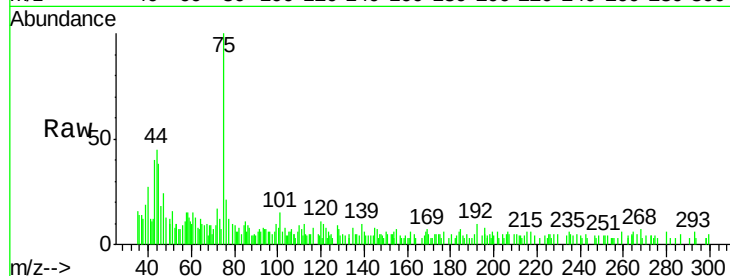
VX1231WBL01

Tgt Ion: 43 Resp: 1647

Ion Ratio Lower Upper

43 100

72 24.2 21.0 31.4



#28

Bromochloromethane

Concen: 0.625 ug/l

RT: 5.03 min Scan# 679

Delta R.T. 0.02 min

Lab File: VX014371.D

Acq: 31 Dec 2019 11:38

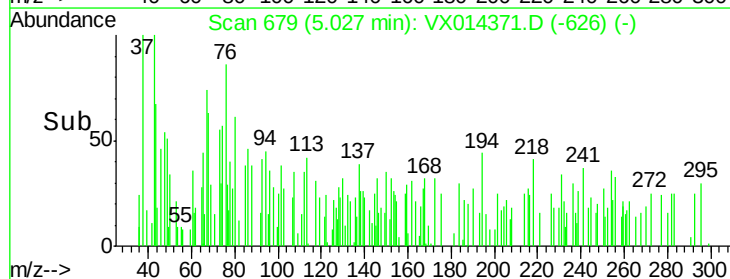
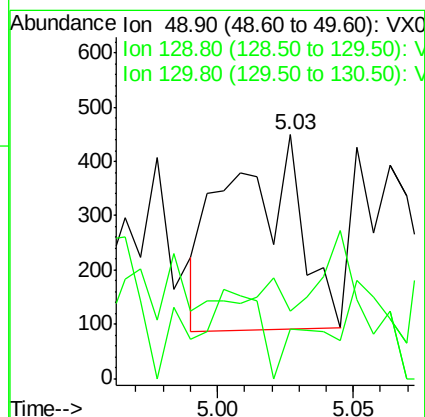
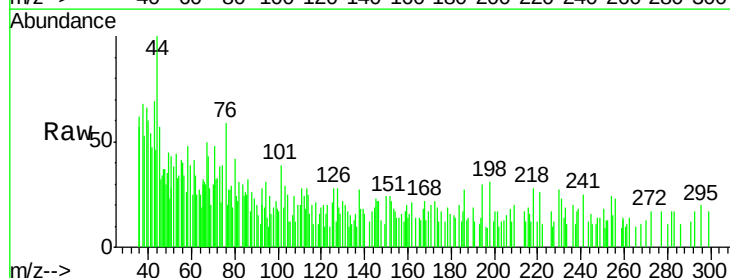
Tgt Ion: 49 Resp: 662

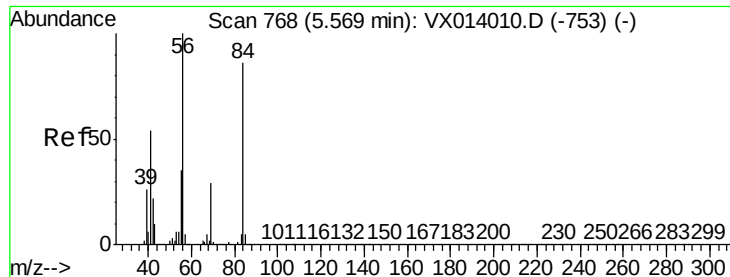
Ion Ratio Lower Upper

49 100

129 0.0 0.0 5.0

130 0.0 64.6 97.0#

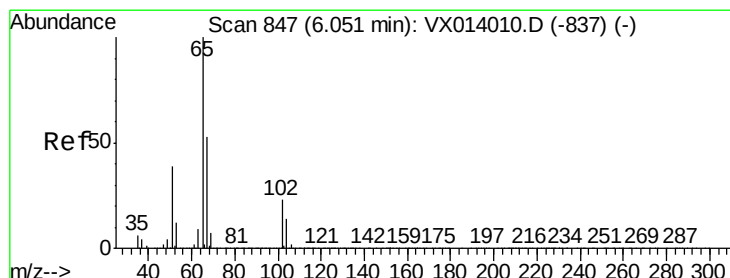
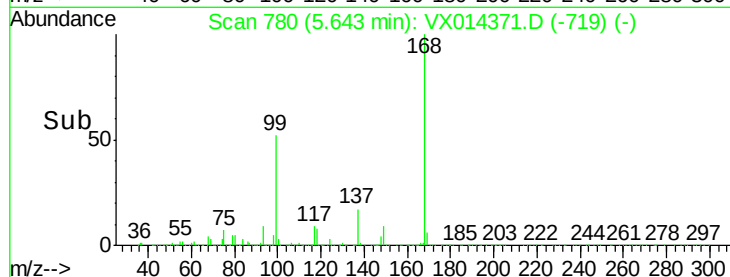
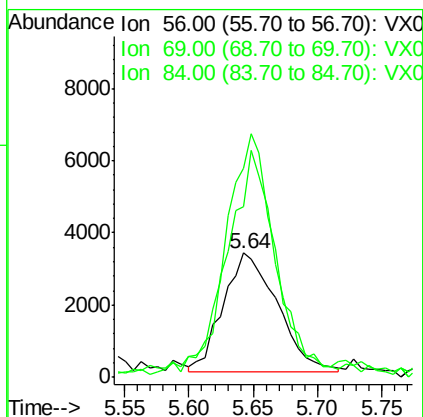
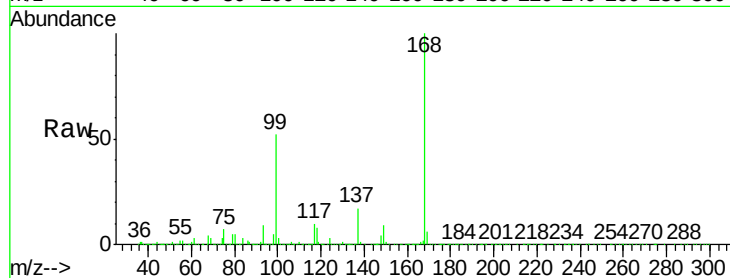




#31
Cyclohexane
Concen: 1.090 ug/l
RT: 5.64 min Scan# 780
Delta R.T. 0.07 min
Lab File: VX014371.D
Acq: 31 Dec 2019 11:38

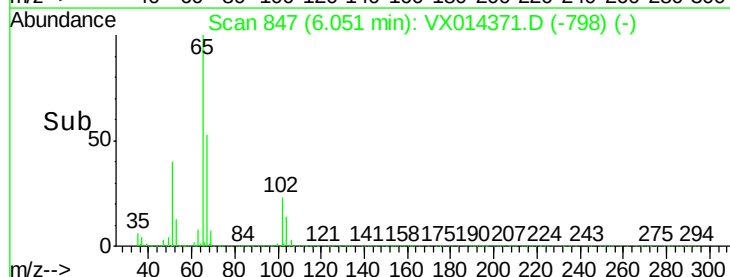
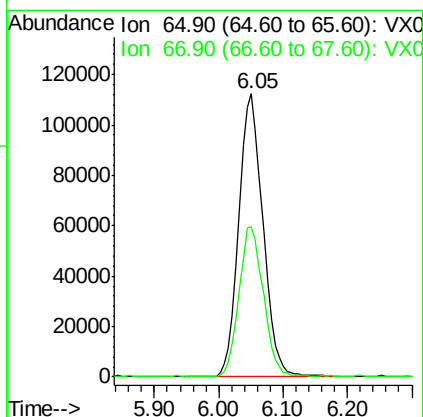
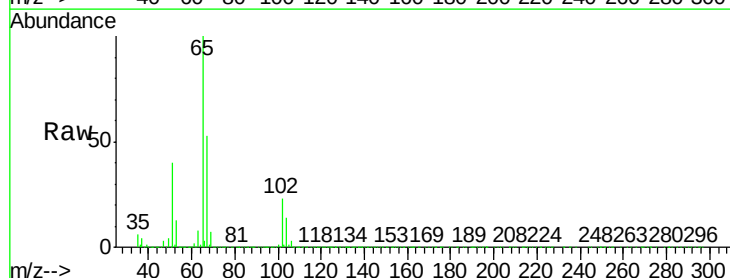
Instrument :
MSVOA_X
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VX1231WBL01

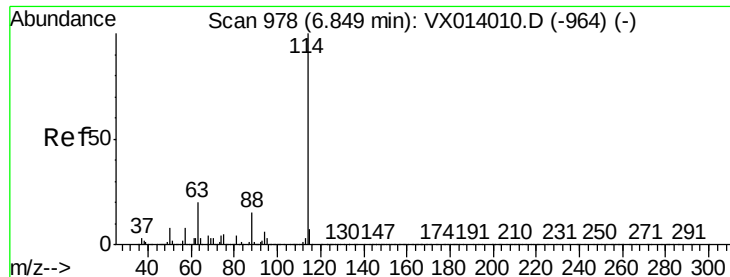
Tgt Ion: 56 Resp: 9647
Ion Ratio Lower Upper
56 100
69 169.1 23.2 34.8#
84 141.7 69.2 103.8#



#33
1,2-Dichloroethane-d4
Concen: 49.421 ug/l
RT: 6.05 min Scan# 847
Delta R.T. 0.00 min
Lab File: VX014371.D
Acq: 31 Dec 2019 11:38

Tgt Ion: 65 Resp: 292603
Ion Ratio Lower Upper
65 100
67 53.6 0.0 106.4

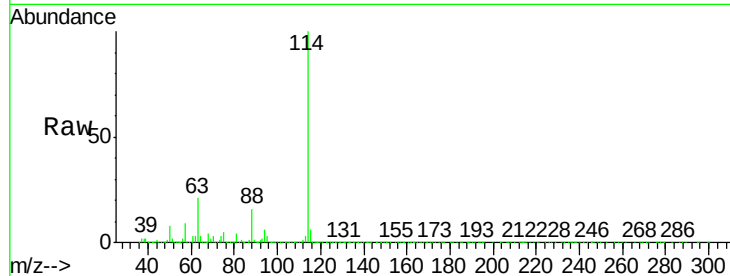




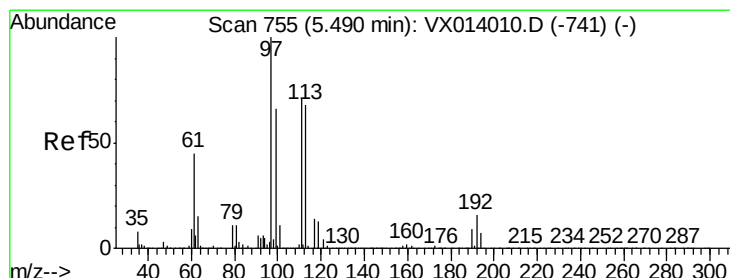
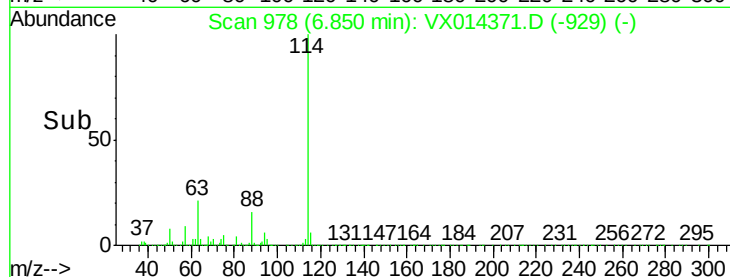
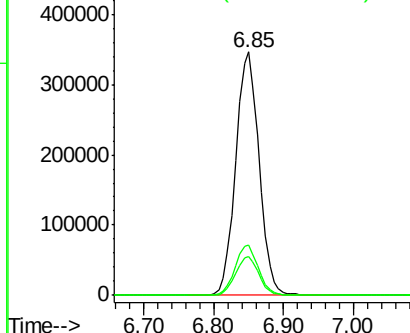
#34
1,4-Difluorobenzene
Concen: 50.000 ug/l
RT: 6.85 min Scan# 978
Delta R.T. 0.00 min
Lab File: VX014371.D
Acq: 31 Dec 2019 11:38

Instrument :
MSVOA_X
ClientSampleId :
VX1231WBL01

Tgt Ion	Ratio	Lower	Upper
114	100		
63	20.7	0.0	40.8
88	15.8	0.0	30.4

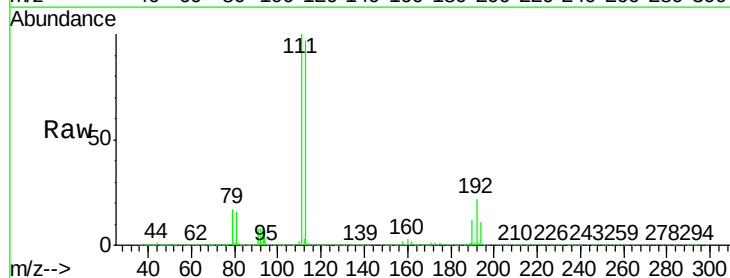


Abundance Ion 113.90 (113.60 to 114.60): V
Ion 63.00 (62.70 to 63.70): VX0
Ion 87.90 (87.60 to 88.60): VX0

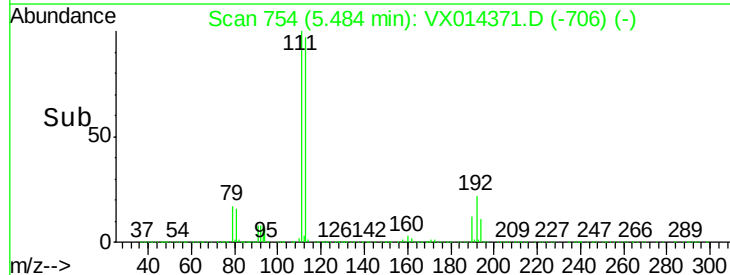
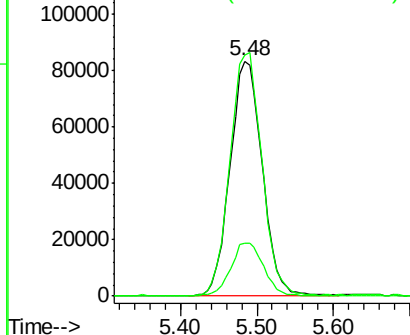


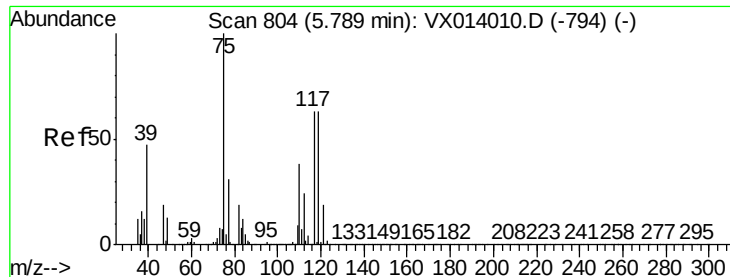
#35
Dibromofluoromethane
Concen: 49.908 ug/l
RT: 5.48 min Scan# 754
Delta R.T. -0.01 min
Lab File: VX014371.D
Acq: 31 Dec 2019 11:38

Tgt Ion	Ratio	Lower	Upper
113	100		
111	102.9	82.0	123.0
192	22.9	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: 4.902 ug/l

RT: 5.65 min Scan# 781

Delta R.T. -0.14 min

Lab File: VX014371.D

Acq: 31 Dec 2019 11:38

Instrument :

MSVOA_X

ClientSampleId :

VX1231WBL01

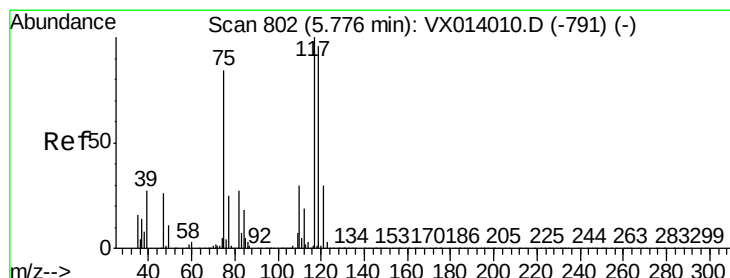
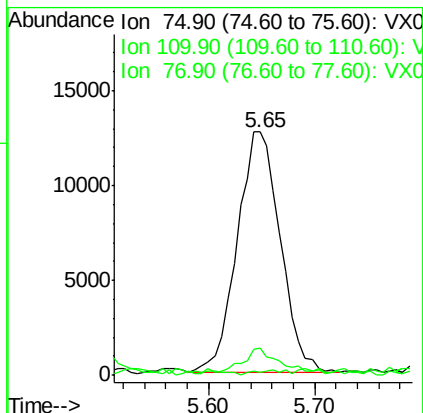
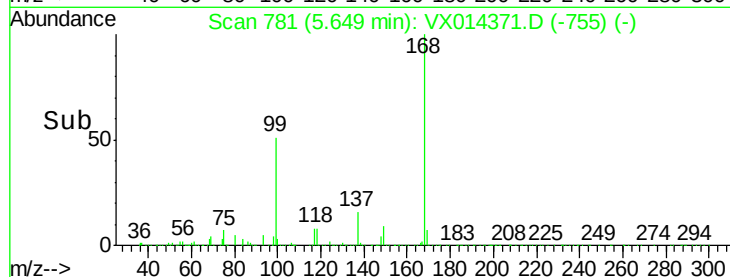
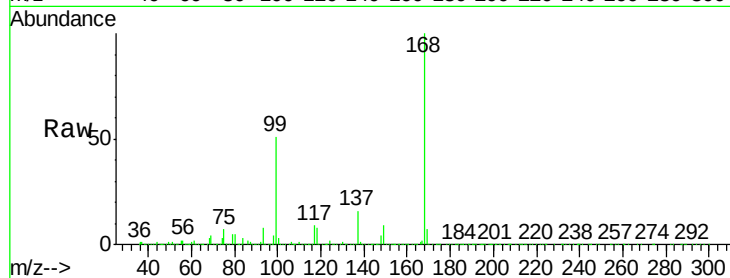
Tgt Ion: 75 Resp: 36114

Ion Ratio Lower Upper

75 100

110 9.8 18.3 54.9#

77 1.7 24.8 37.2#



#38

Carbon Tetrachloride

Concen: 6.985 ug/l

RT: 5.64 min Scan# 780

Delta R.T. -0.13 min

Lab File: VX014371.D

Acq: 31 Dec 2019 11:38

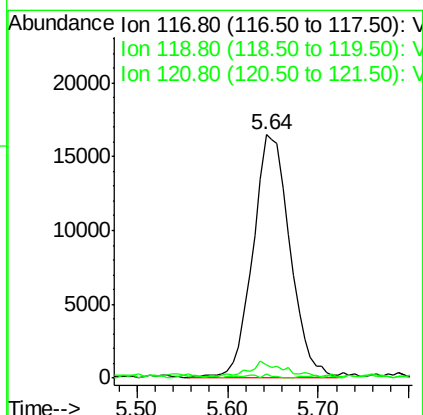
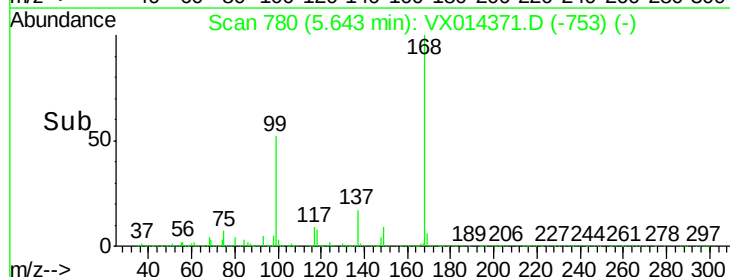
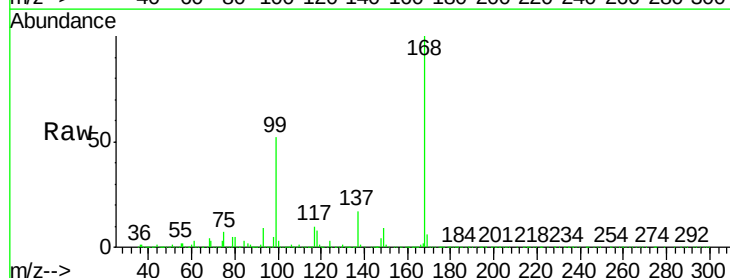
Tgt Ion: 117 Resp: 46881

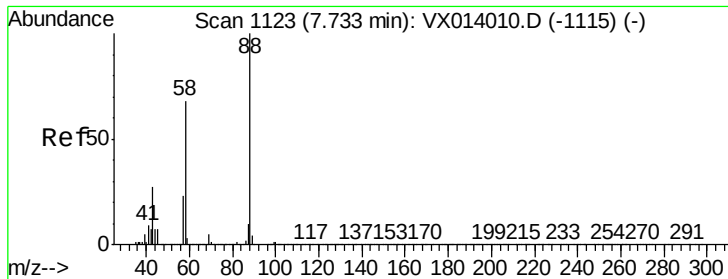
Ion Ratio Lower Upper

117 100

119 4.7 76.2 114.4#

121 1.6 23.6 35.4#

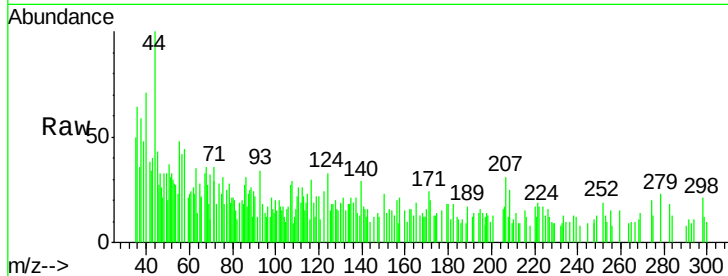




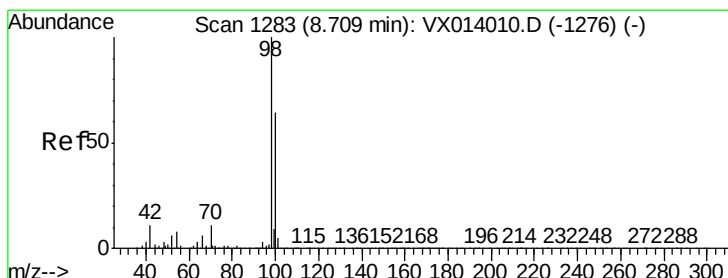
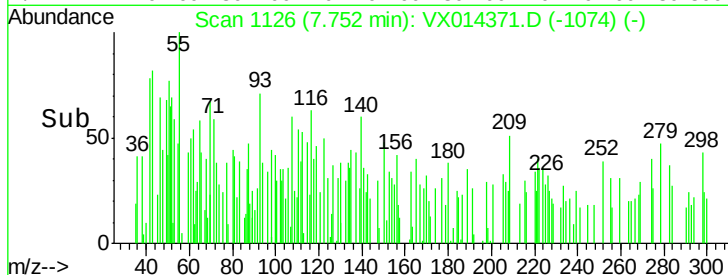
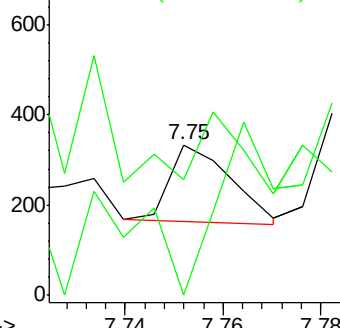
#49
1,4-Dioxane
Concen: 1.103 ug/l
RT: 7.75 min Scan# 1126
Delta R.T. 0.02 min
Lab File: VX014371.D
Acq: 31 Dec 2019 11:38

Instrument :
MSVOA_X
ClientSampleId :
VX1231WBL01

Tgt Ion: 88 Resp: 148
Ion Ratio Lower Upper
88 100
43 0.0 26.5 39.7#
58 198.6 56.8 85.2#

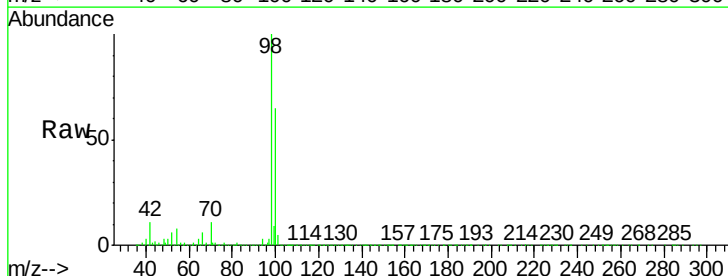


Abundance Ion 88.00 (87.70 to 88.70): VX0
Ion 43.00 (42.70 to 43.70): VX0
Ion 58.00 (57.70 to 58.70): VX0

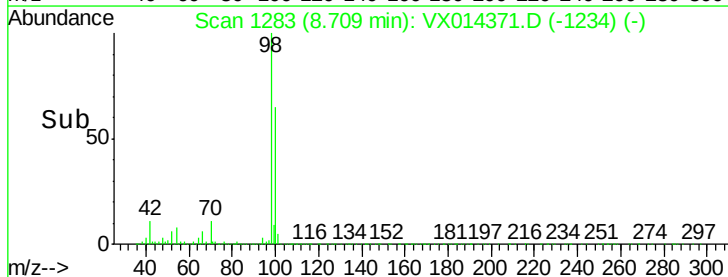
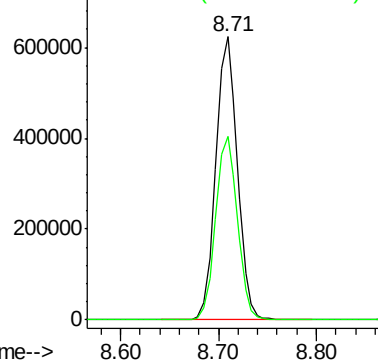


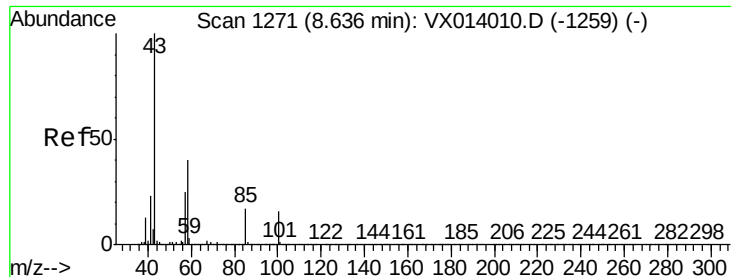
#50
Toluene-d8
Concen: 50.188 ug/l
RT: 8.71 min Scan# 1283
Delta R.T. 0.00 min
Lab File: VX014371.D
Acq: 31 Dec 2019 11:38

Tgt Ion: 98 Resp: 953667
Ion Ratio Lower Upper
98 100
100 65.7 52.9 79.3



Abundance Ion 98.00 (97.70 to 98.70): VX0
Ion 100.00 (99.70 to 100.70): VX0

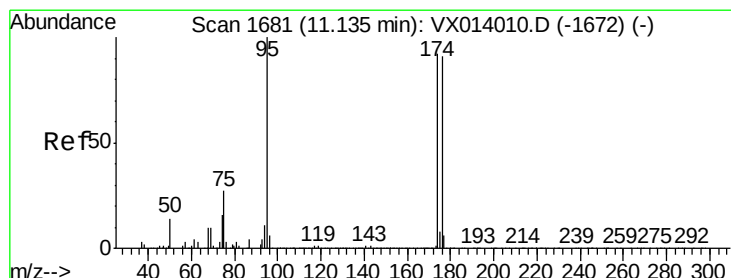
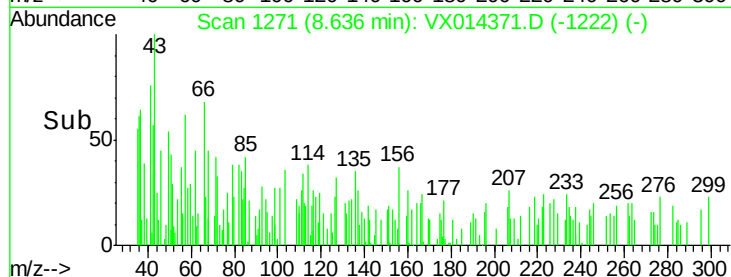
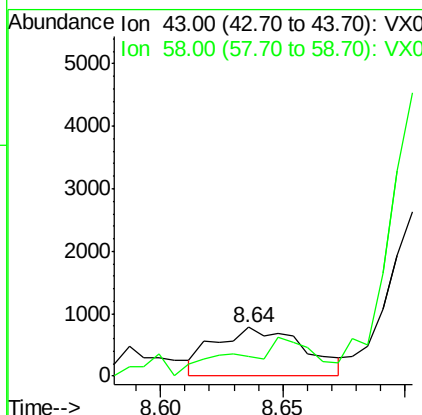
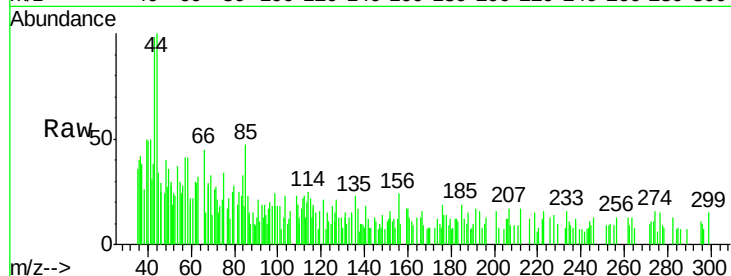




#51
 4-Methyl-2-Pentanone
 Concen: 0.234 ug/l
 RT: 8.64 min Scan# 1271
 Delta R.T. 0.00 min
 Lab File: VX014371.D
 Acq: 31 Dec 2019 11:38

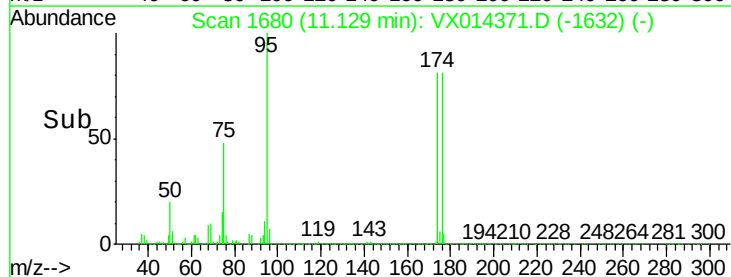
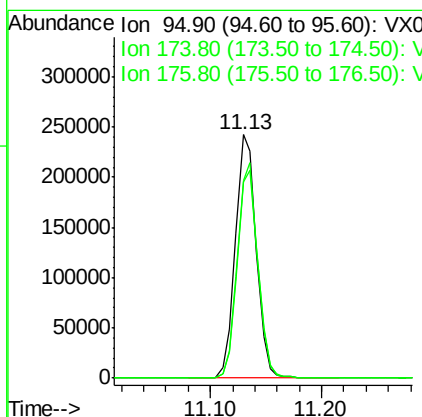
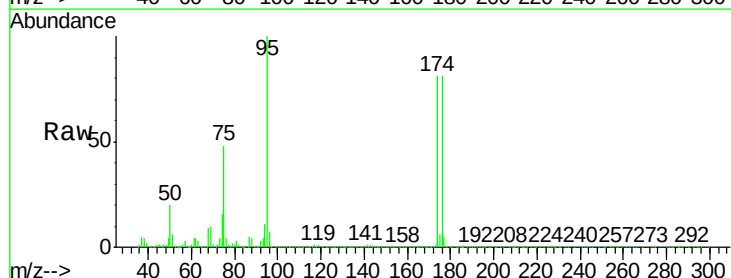
Instrument :
 MSVOA_X
 ClientSampleId :
 VX1231WBL01

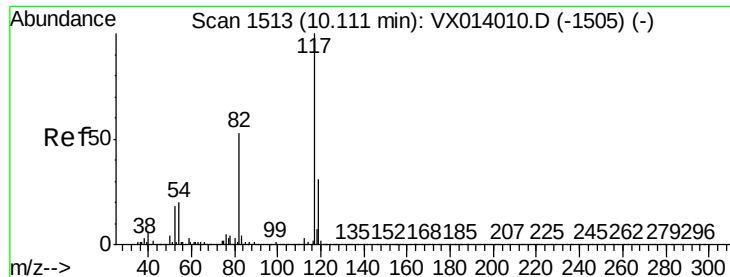
Tgt Ion: 43 Resp: 1975
 Ion Ratio Lower Upper
 43 100
 58 70.6 32.2 48.2#



#62
 4-Bromofluorobenzene
 Concen: 45.090 ug/l
 RT: 11.13 min Scan# 1680
 Delta R.T. -0.01 min
 Lab File: VX014371.D
 Acq: 31 Dec 2019 11:38

Tgt Ion: 95 Resp: 313196
 Ion Ratio Lower Upper
 95 100
 174 87.1 0.0 175.8
 176 85.2 0.0 173.0

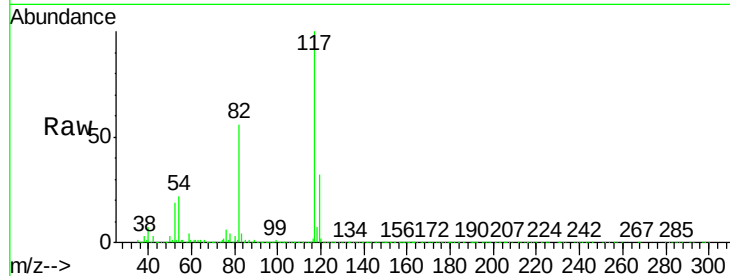




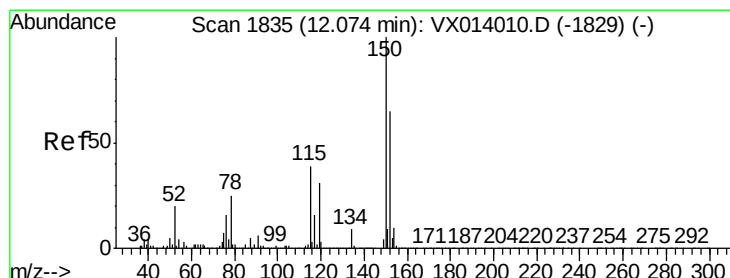
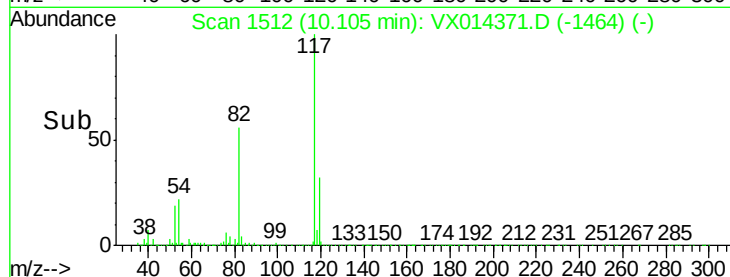
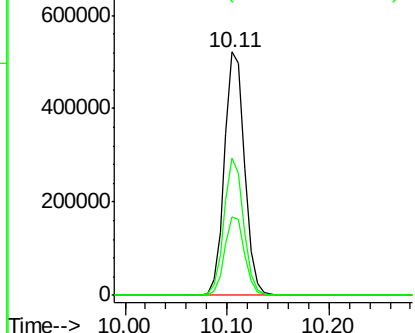
#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 10.11 min Scan# 1512
Delta R.T. -0.01 min
Lab File: VX014371.D
Acq: 31 Dec 2019 11:38

Instrument :
MSVOA_X
ClientSampleId :
VX1231WBL01

Tgt Ion:117 Resp: 713493
Ion Ratio Lower Upper
117 100
82 56.2 42.2 63.4
119 32.2 25.1 37.7

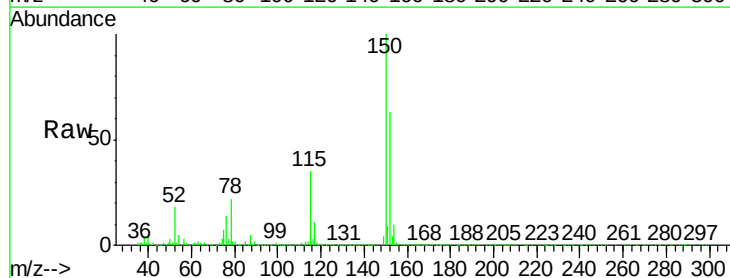


Abundance Ion 116.90 (116.60 to 117.60): V
Ion 82.00 (81.70 to 82.70): V
Ion 118.90 (118.60 to 119.60): V

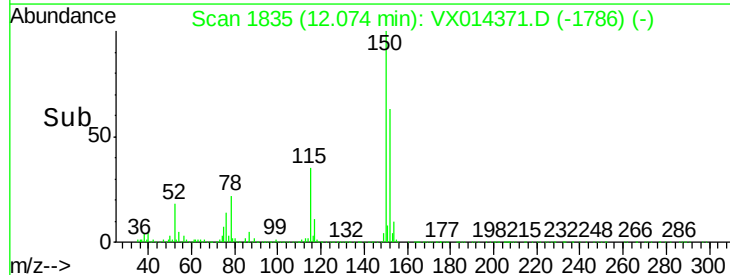
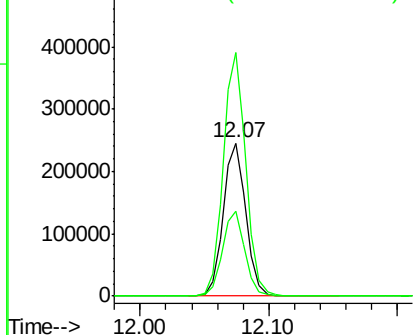


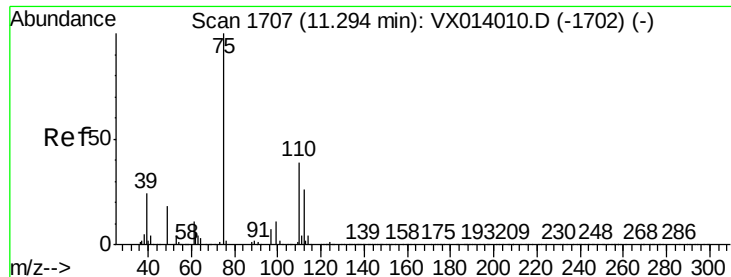
#72
1,4-Dichlorobenzene-d4
Concen: 50.000 ug/l
RT: 12.07 min Scan# 1835
Delta R.T. 0.00 min
Lab File: VX014371.D
Acq: 31 Dec 2019 11:38

Tgt Ion:152 Resp: 302783
Ion Ratio Lower Upper
152 100
115 55.0 38.3 114.9
150 158.4 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: 22.779 ug/l

RT: 11.13 min Scan# 1680

Delta R.T. -0.16 min

Lab File: VX014371.D

Acq: 31 Dec 2019 11:38

Instrument :

MSVOA_X

ClientSampleId :

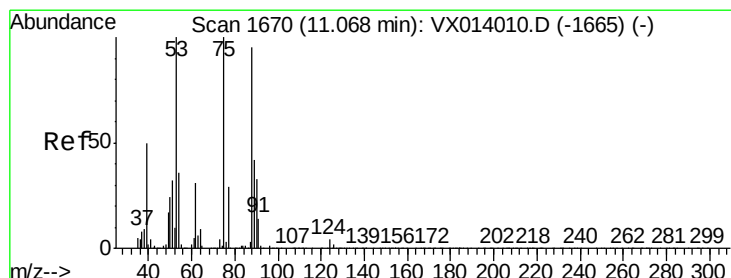
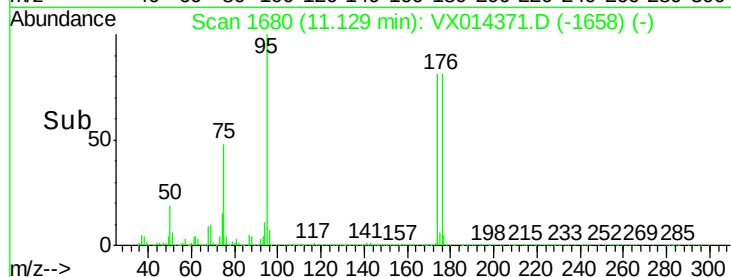
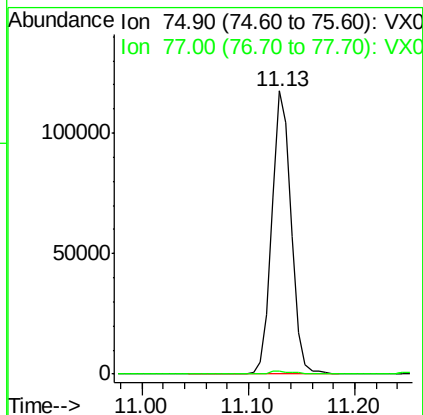
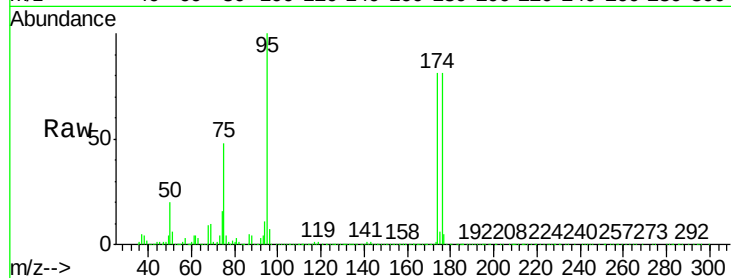
VX1231WBL01

Tgt Ion: 75 Resp: 149732

Ion Ratio Lower Upper

75 100

77 1.2 19.3 57.8#



#81

trans-1,4-Dichloro-2-butene

Concen: 64.293 ug/l

RT: 11.13 min Scan# 1680

Delta R.T. 0.06 min

Lab File: VX014371.D

Acq: 31 Dec 2019 11:38

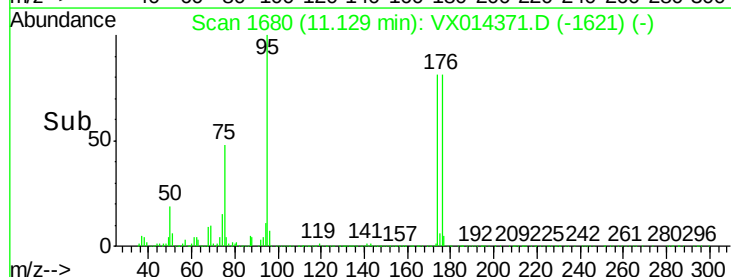
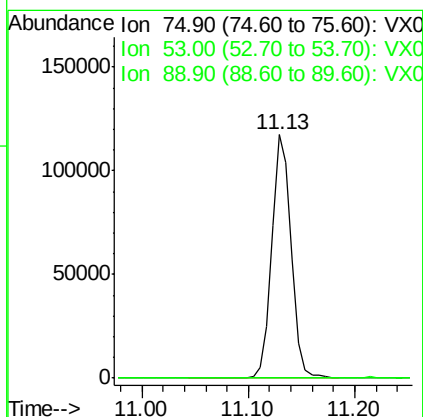
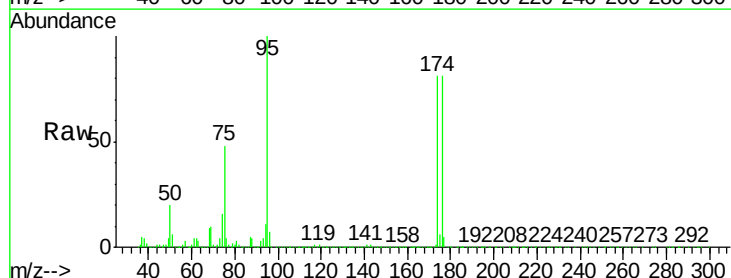
Tgt Ion: 75 Resp: 149732

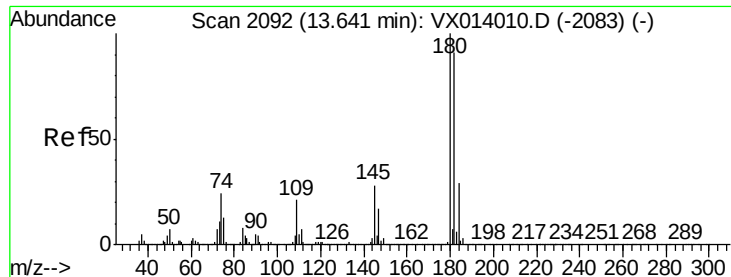
Ion Ratio Lower Upper

75 100

53 0.6 76.7 115.1#

89 0.1 34.6 51.8#





#93

1,2,4-Trichlorobenzene

Concen: 0.241 ug/l

RT: 13.65 min Scan# 2093

Delta R.T. 0.01 min

Lab File: VX014371.D

Acq: 31 Dec 2019 11:38

Instrument :

MSVOA_X

ClientSampleId :

VX1231WBL01

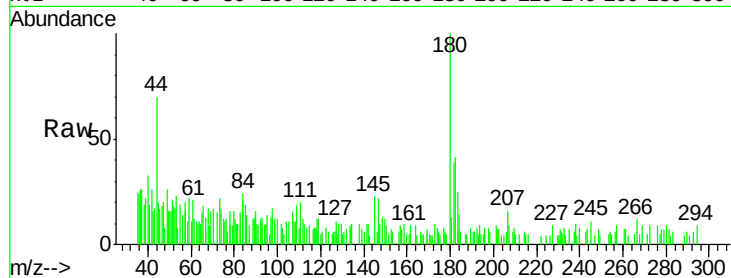
Tgt Ion:180 Resp: 1620

Ion Ratio Lower Upper

180 100

182 112.2 46.6 139.8

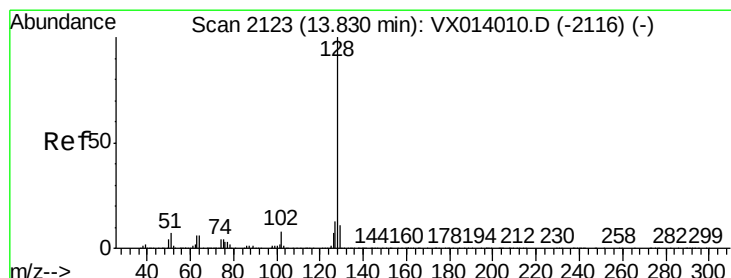
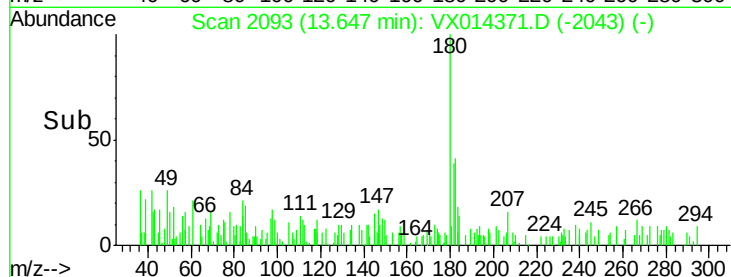
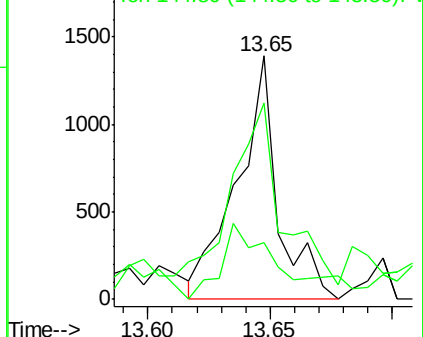
145 45.7 14.2 42.6#



Abundance Ion 179.80 (179.50 to 180.50): V

Ion 181.80 (181.50 to 182.50): V

Ion 144.80 (144.50 to 145.50): V



#95

Naphthalene

Concen: 0.202 ug/l

RT: 13.84 min Scan# 2124

Delta R.T. 0.01 min

Lab File: VX014371.D

Acq: 31 Dec 2019 11:38

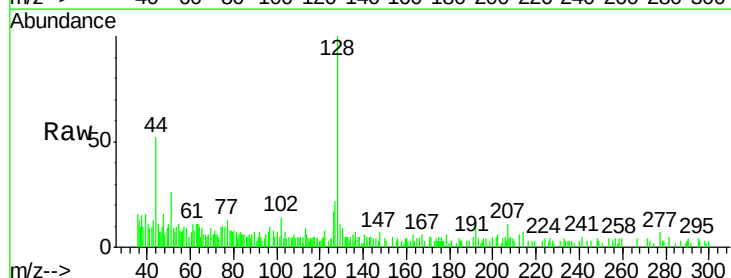
Tgt Ion:128 Resp: 3988

Ion Ratio Lower Upper

128 100

127 29.9 10.2 15.4#

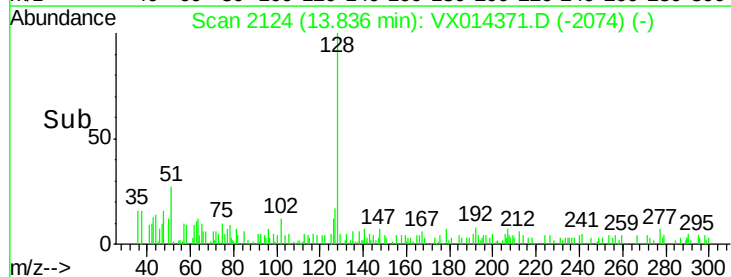
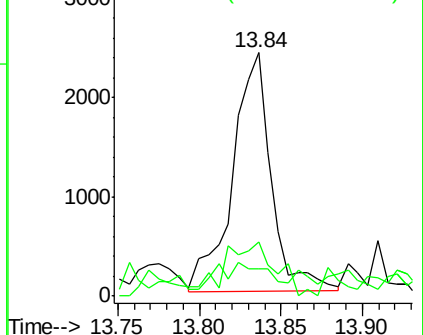
129 0.0 8.7 13.1#

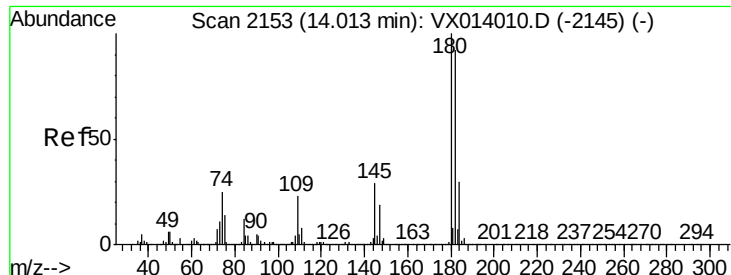


Abundance Ion 128.00 (127.70 to 128.70): V

Ion 127.00 (126.70 to 127.70): V

Ion 129.00 (128.70 to 129.70): V

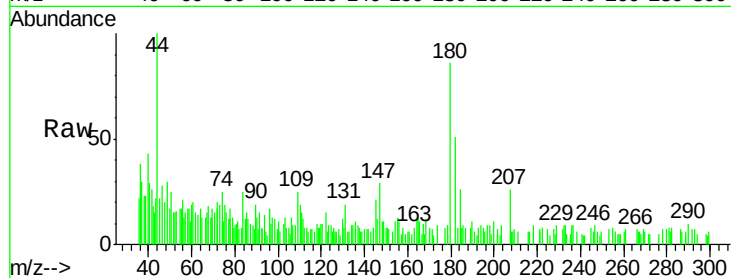




#96
 1,2,3-Trichlorobenzene
 Concen: 0.252 ug/l
 RT: 14.01 min Scan# 2153
 Delta R.T. 0.00 min
 Lab File: VX014371.D
 Acq: 31 Dec 2019 11:38

Instrument :
 MSVOA_X
 ClientSampleId :
 VX1231WBL01

Tgt Ion	Ratio	Lower	Upper
180	100		
182	0.0	46.8	140.3#
145	33.5	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

