

Data Path : Z:\VOASRV\HPCHEM1\MSVOA_X\DATA\VX122419\
 Data File : VX014250.D
 Acq On : 24 Dec 2019 17:11
 Operator : JC/SP
 Sample : K6405-04
 Misc : 5.0mL/MSVOA_X/WATER
 ALS Vial : 20 Sample Multiplier: 1

Instrument :
 MSVOA_X
 ClientSampleId :
 994-MW-05-(17)

Quant Time: Dec 25 05:43:19 2019
 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	539936	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	6.85	114	838920	50.00	ug/l	0.00
63) Chlorobenzene-d5	10.11	117	757241	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	12.07	152	328103	50.00	ug/l	0.00

System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	6.05	65	299656	48.97	ug/l	0.00
Spiked Amount	50.000		Recovery	=	97.94%	
35) Dibromofluoromethane	5.49	113	248861	48.80	ug/l	0.00
Spiked Amount	50.000		Recovery	=	97.60%	
50) Toluene-d8	8.71	98	992762	50.00	ug/l	0.00
Spiked Amount	50.000		Recovery	=	100.00%	
62) 4-Bromofluorobenzene	11.13	95	329997	45.47	ug/l	0.00
Spiked Amount	50.000		Recovery	=	90.94%	

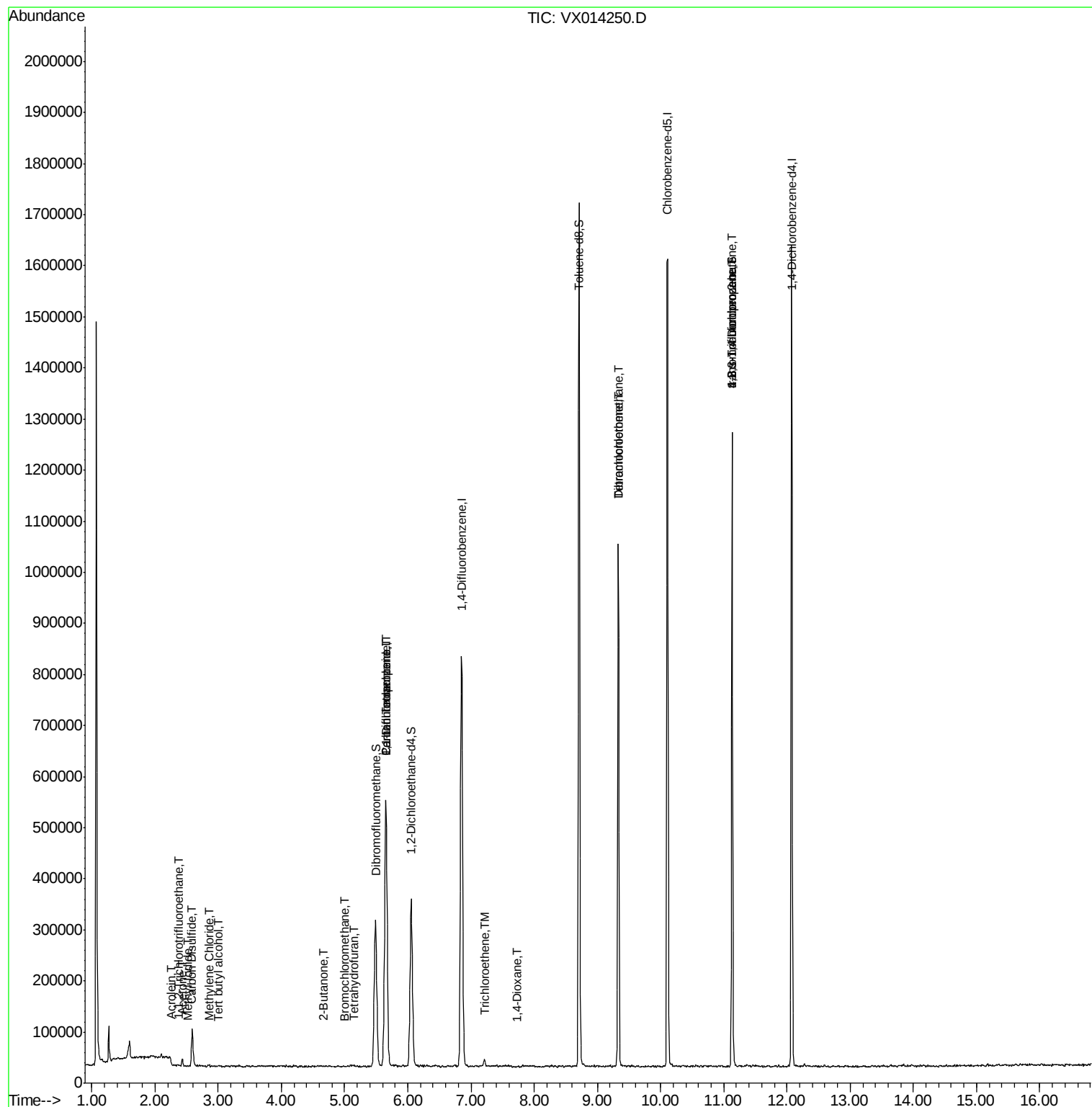
Target Compounds	R.T.	QIon	Response	Conc	Units	Qvalue
9) 1,1,2-Trichlorotrifluoroet	2.38	101	1081	0.212	ug/l #	75
10) Methyl Iodide	2.51	142	843	2.739	ug/l #	92
11) Tert butyl alcohol	3.01	59	1566	1.184	ug/l #	88
13) Acrolein	2.26	56	202	0.267	ug/l #	1
16) Acetone	2.43	43	14269	3.592	ug/l	95
17) Carbon Disulfide	2.57	76	1816	0.874	ug/l #	87
20) Methylene Chloride	2.85	84	1734	0.277	ug/l #	88
25) 2-Butanone	4.67	43	1067	0.218	ug/l #	56
28) Bromochloromethane	5.00	49	967	0.696	ug/l #	11
29) Tetrahydrofuran	5.14	42	3211	1.172	ug/l #	54
36) 1,1-Dichloropropene	5.65	75	37783	4.908	ug/l #	51
38) Carbon Tetrachloride	5.65	117	47821	6.819	ug/l #	15
44) Trichloroethene	7.22	130	5436	0.831	ug/l	87
49) 1,4-Dioxane	7.73	88	542	3.866	ug/l #	63
60) Dibromochloromethane	9.33	129	180522	30.269	ug/l #	11
64) Tetrachloroethene	9.33	164	204438	30.510	ug/l	99
76) 1,2,3-Trichloropropane	11.13	75	161404	22.659	ug/l #	39
81) trans-1,4-Dichloro-2-buten	11.13	75	161404	63.957	ug/l #	12

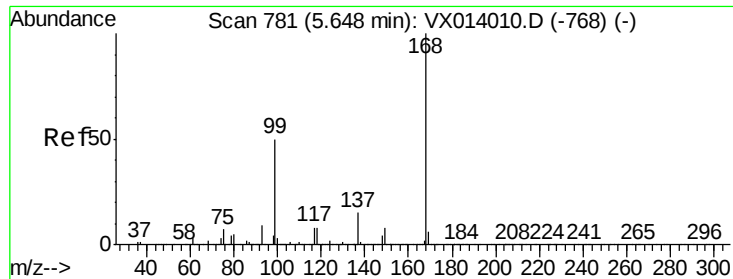
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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#1

Pentafluorobenzene

Concen: 50.000 ug/l

RT: 5.65 min Scan# 782

Delta R.T. 0.01 min

Lab File: VX014250.D

Acq: 24 Dec 2019 17:11

Instrument :

MSVOA_X

ClientSampleId :

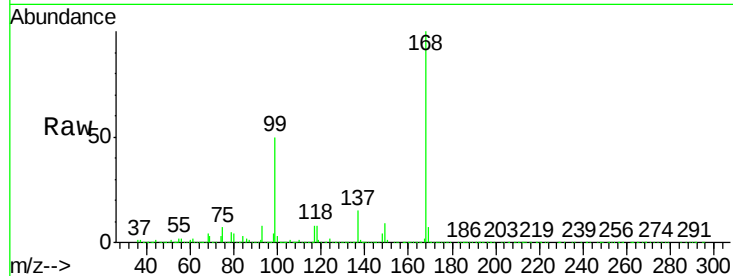
994-MW-05-(17)

Tgt Ion:168 Resp: 539936

Ion Ratio Lower Upper

168 100

99 50.1 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

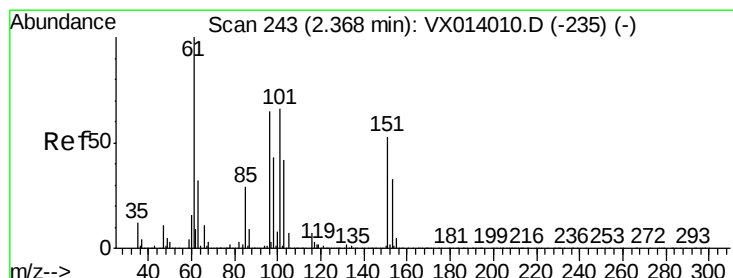
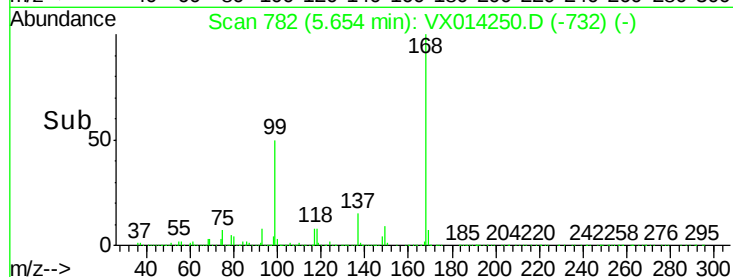
150000

100000

50000

0

Time-->



#9

1,1,2-Trichlorotrifluoroethane

Concen: 0.212 ug/l

RT: 2.38 min Scan# 245

Delta R.T. 0.01 min

Lab File: VX014250.D

Acq: 24 Dec 2019 17:11

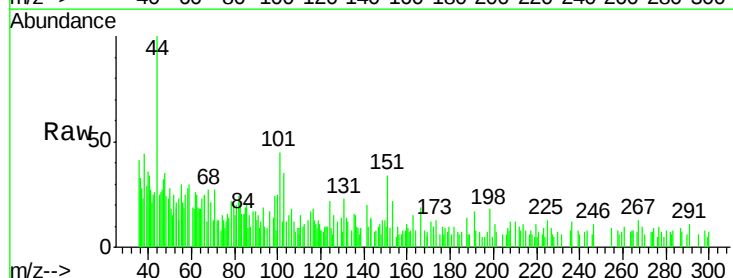
Tgt Ion:101 Resp: 1081

Ion Ratio Lower Upper

101 100

85 51.6 33.7 50.5#

151 54.5 64.5 96.7#



Abundance Ion 100.90 (100.60 to 101.60): V

Ion 84.90 (84.60 to 85.60): VX0

Ion 150.80 (150.50 to 151.50): V

2.38

600

500

400

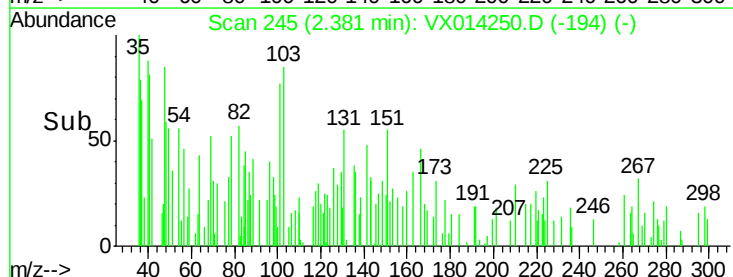
300

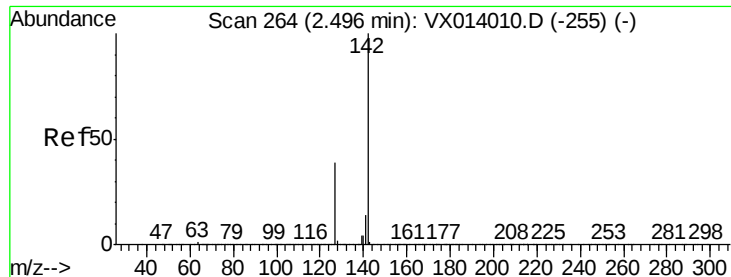
200

100

0

Time-->





#10

Methyl Iodide

Concen: 2.739 ug/l

RT: 2.51 min Scan# 266

Delta R.T. 0.01 min

Lab File: VX014250.D

Acq: 24 Dec 2019 17:11

Instrument :

MSVOA_X

ClientSampleId :

994-MW-05-(17)

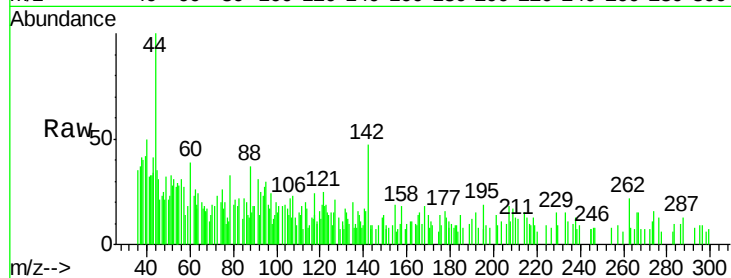
Tgt Ion: 142 Resp: 843

Ion Ratio Lower Upper

142 100

127 42.9 31.6 47.4

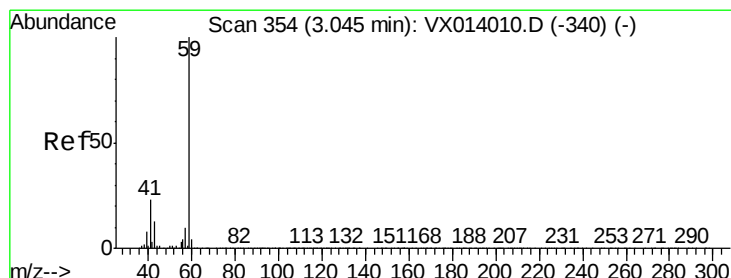
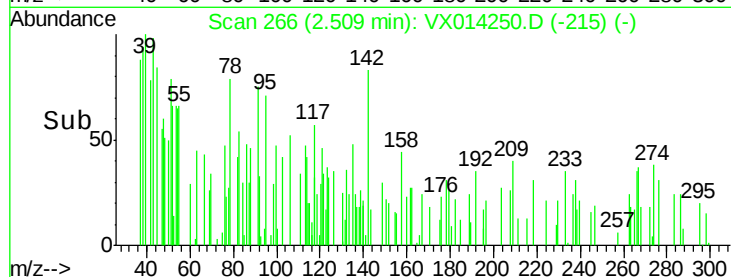
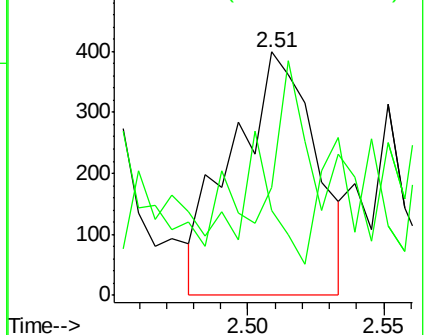
141 20.6 11.6 17.4#



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: 1.184 ug/l

RT: 3.01 min Scan# 349

Delta R.T. -0.03 min

Lab File: VX014250.D

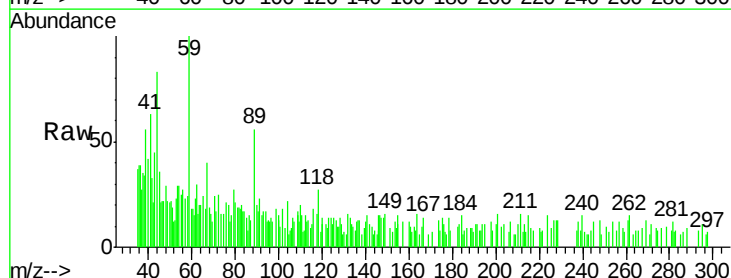
Acq: 24 Dec 2019 17:11

Tgt Ion: 59 Resp: 1566

Ion Ratio Lower Upper

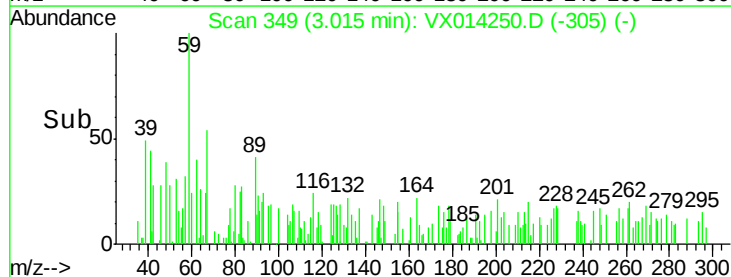
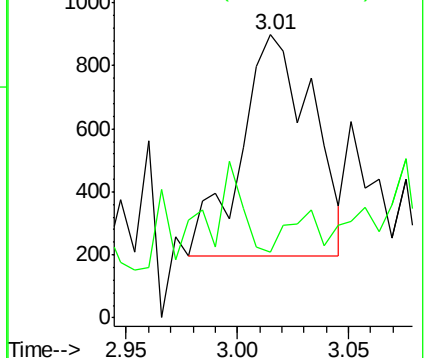
59 100

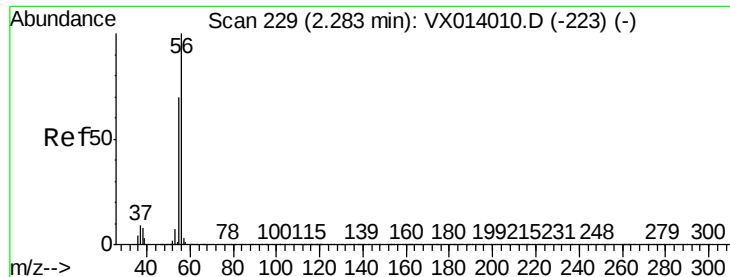
57 14.8 8.4 12.6#



Abundance Ion 59.00 (58.70 to 59.70): VX0

Ion 57.00 (56.70 to 57.70): VX0

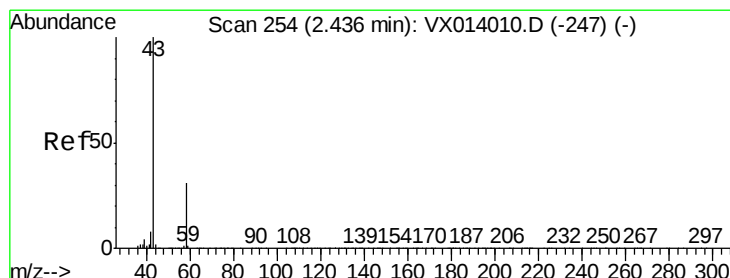
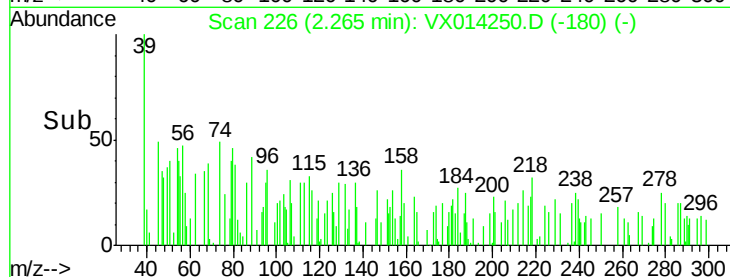
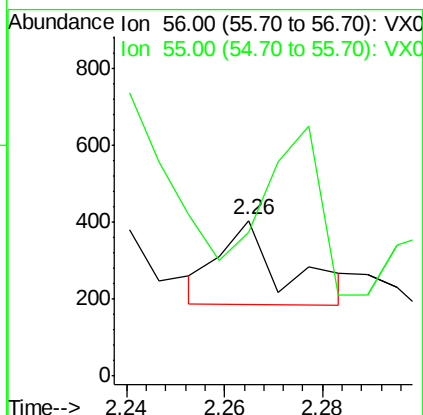
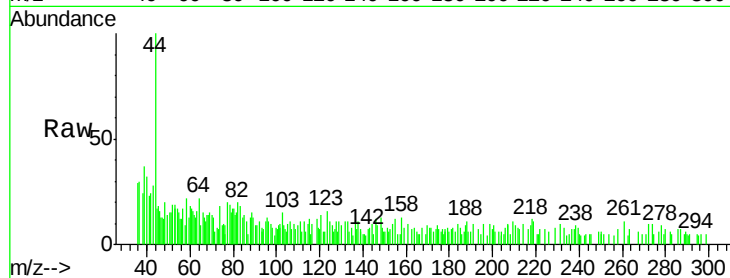




#13
Acrolein
Concen: 0.267 ug/l
RT: 2.26 min Scan# 226
Delta R.T. -0.02 min
Lab File: VX014250.D
Acq: 24 Dec 2019 17:11

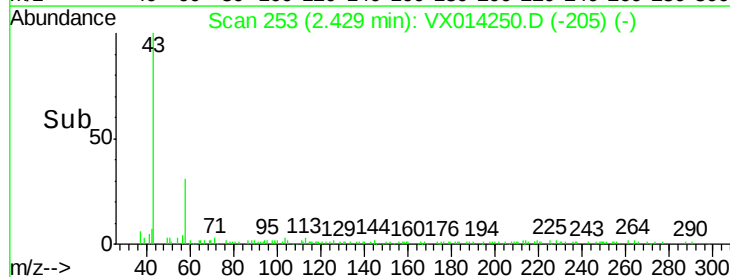
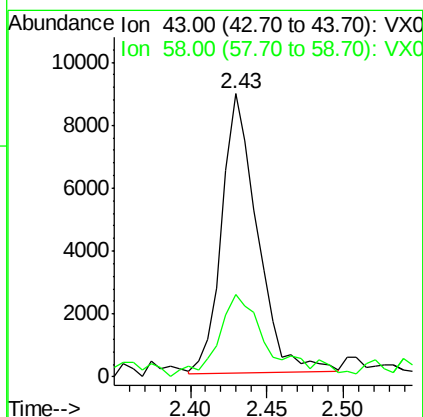
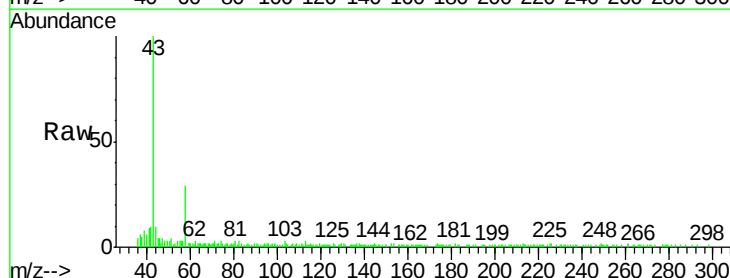
Instrument :
MSVOA_X
ClientSampleId :
994-MW-05-(17)

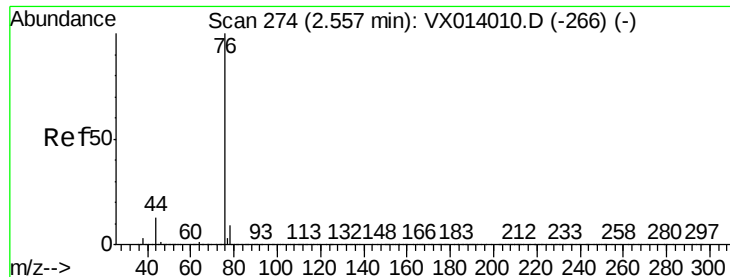
Tgt Ion: 56 Resp: 202
Ion Ratio Lower Upper
56 100
55 170.8 56.9 85.3#



#16
Acetone
Concen: 3.592 ug/l
RT: 2.43 min Scan# 253
Delta R.T. -0.01 min
Lab File: VX014250.D
Acq: 24 Dec 2019 17:11

Tgt Ion: 43 Resp: 14269
Ion Ratio Lower Upper
43 100
58 28.1 24.9 37.3





#17

Carbon Disulfide

Concen: 0.874 ug/l

RT: 2.57 min Scan# 276

Delta R.T. 0.01 min

Lab File: VX014250.D

Acq: 24 Dec 2019 17:11

Instrument :

MSVOA_X

ClientSampleId :

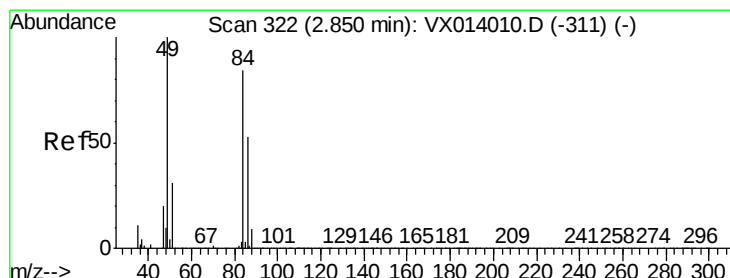
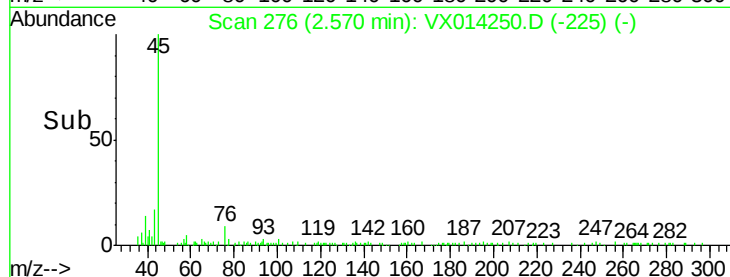
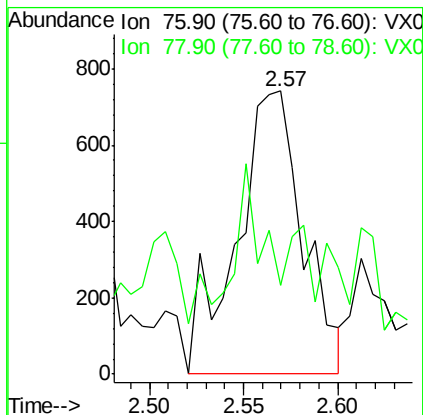
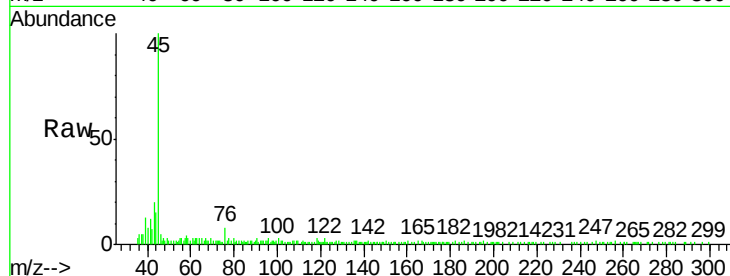
994-MW-05-(17)

Tgt Ion: 76 Resp: 1816

Ion Ratio Lower Upper

76 100

78 13.6 7.2 10.8#



#20

Methylene Chloride

Concen: 0.277 ug/l

RT: 2.85 min Scan# 322

Delta R.T. 0.00 min

Lab File: VX014250.D

Acq: 24 Dec 2019 17:11

Tgt Ion: 84 Resp: 1734

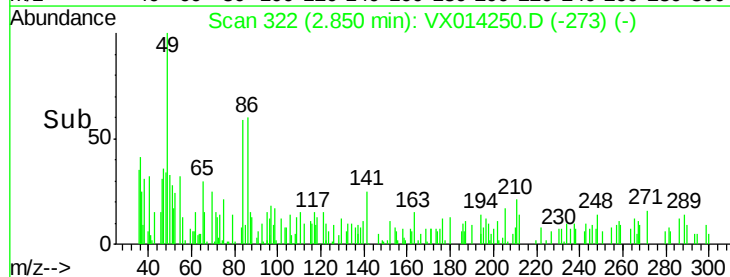
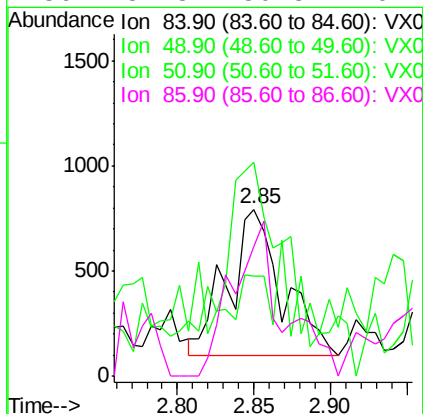
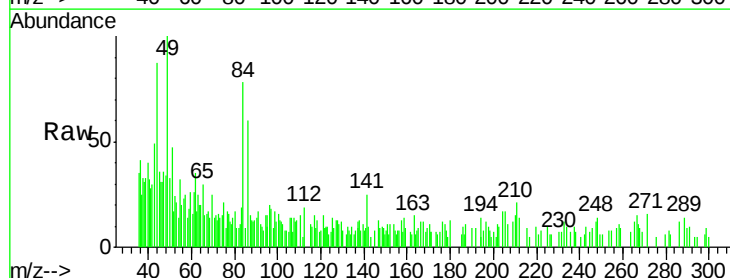
Ion Ratio Lower Upper

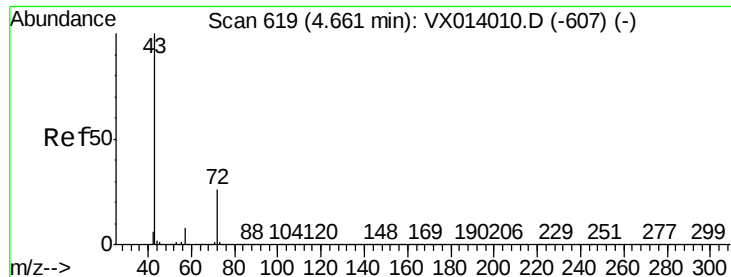
84 100

49 112.9 95.8 143.6

51 37.7 29.8 44.8

86 87.8 50.8 76.2#





#25

2-Butanone

Concen: 0.218 ug/l

RT: 4.67 min Scan# 620

Delta R.T. 0.01 min

Lab File: VX014250.D

Acq: 24 Dec 2019 17:11

Instrument :

MSVOA_X

ClientSampleId :

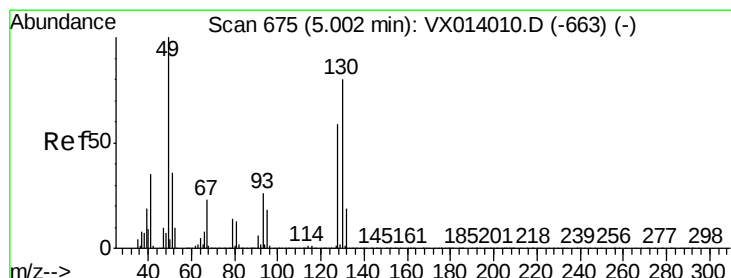
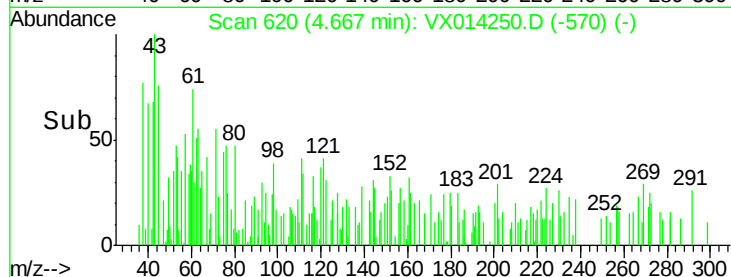
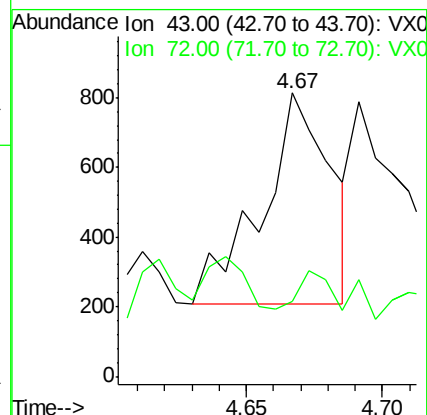
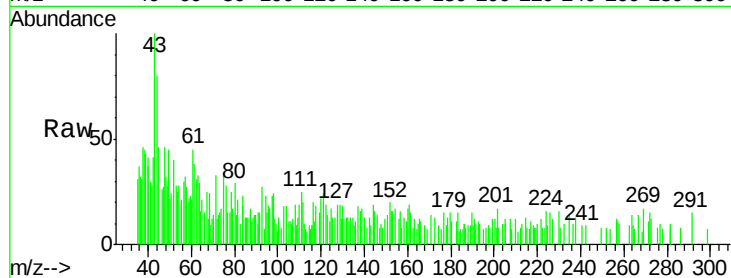
994-MW-05-(17)

Tgt Ion: 43 Resp: 1067

Ion Ratio Lower Upper

43 100

72 3.8 21.0 31.4#



#28

Bromochloromethane

Concen: 0.696 ug/l

RT: 5.00 min Scan# 674

Delta R.T. -0.01 min

Lab File: VX014250.D

Acq: 24 Dec 2019 17:11

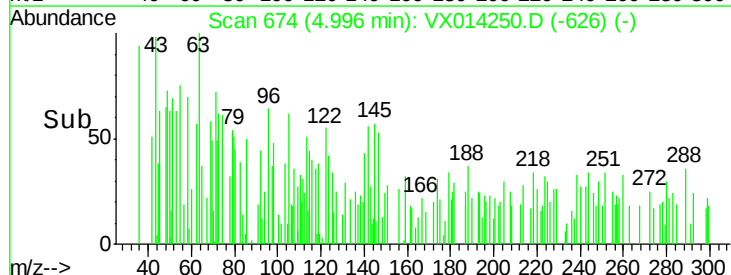
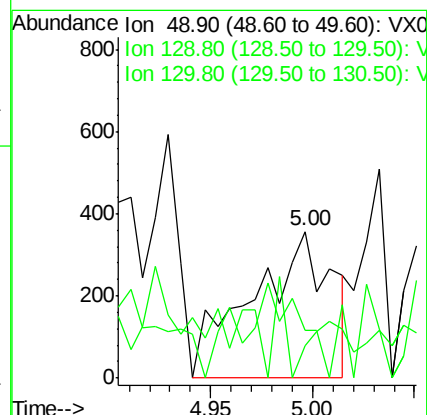
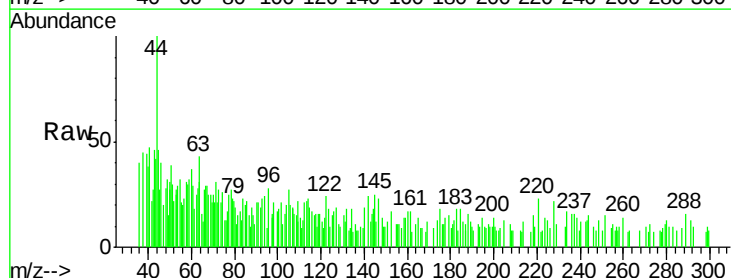
Tgt Ion: 49 Resp: 967

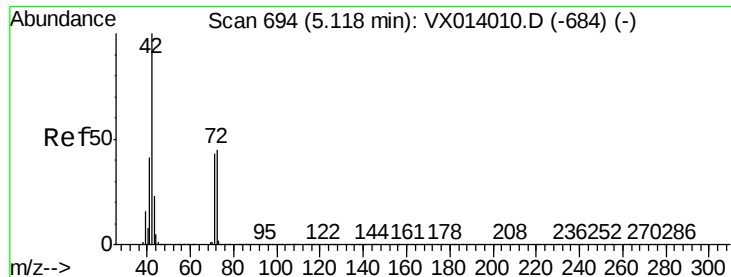
Ion Ratio Lower Upper

49 100

129 6.8 0.0 5.0#

130 0.0 64.6 97.0#





#29

Tetrahydrofuran

Concen: 1.172 ug/l

RT: 5.14 min Scan# 698

Delta R.T. 0.02 min

Lab File: VX014250.D

Acq: 24 Dec 2019 17:11

Instrument :

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ClientSampleId :

994-MW-05-(17)

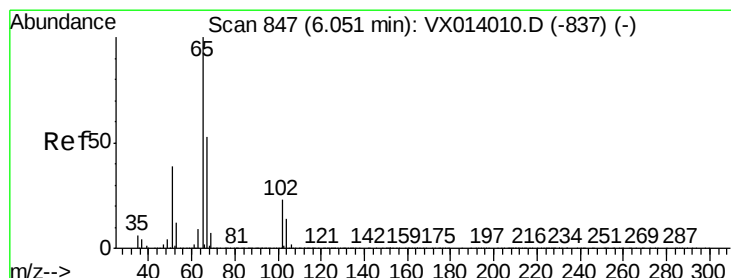
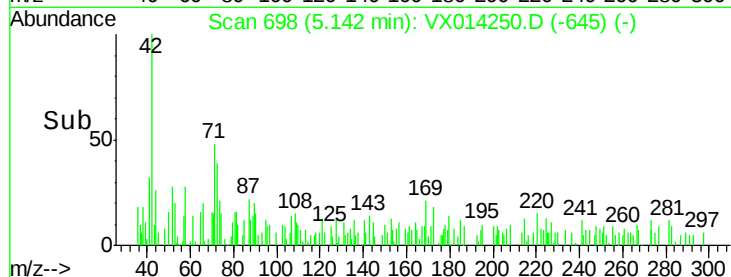
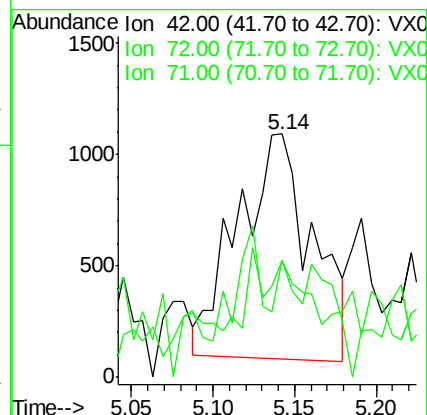
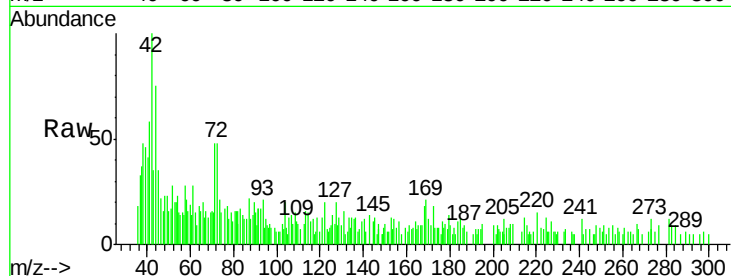
Tgt Ion: 42 Resp: 3211

Ion Ratio Lower Upper

42 100

72 18.4 35.8 53.8#

71 8.9 33.6 50.4#



#33

1,2-Dichloroethane-d4

Concen: 48.968 ug/l

RT: 6.05 min Scan# 847

Delta R.T. 0.00 min

Lab File: VX014250.D

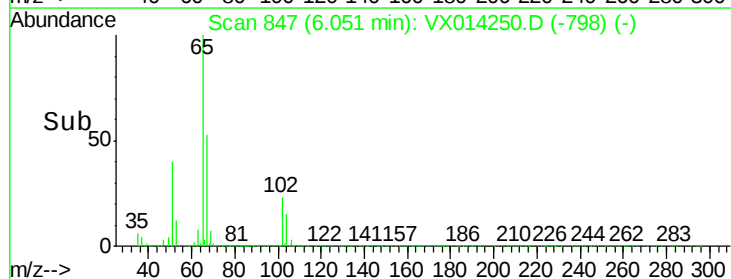
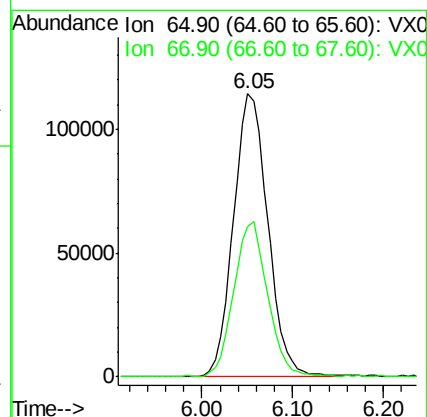
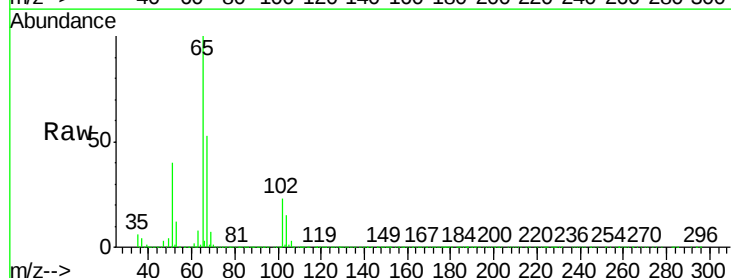
Acq: 24 Dec 2019 17:11

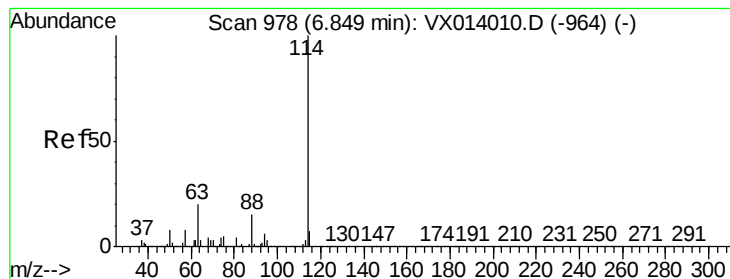
Tgt Ion: 65 Resp: 299656

Ion Ratio Lower Upper

65 100

67 53.8 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: VX014250.D

Acq: 24 Dec 2019 17:11

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994-MW-05-(17)

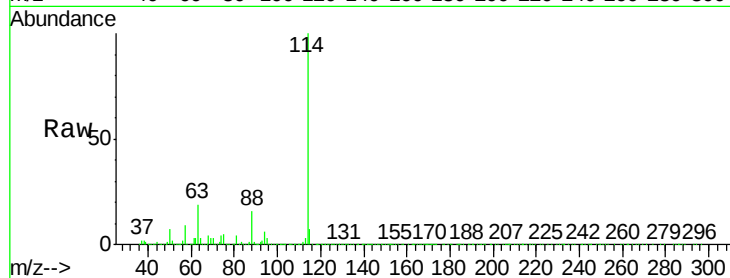
Tgt Ion:114 Resp: 838920

Ion Ratio Lower Upper

114 100

63 19.3 0.0 40.8

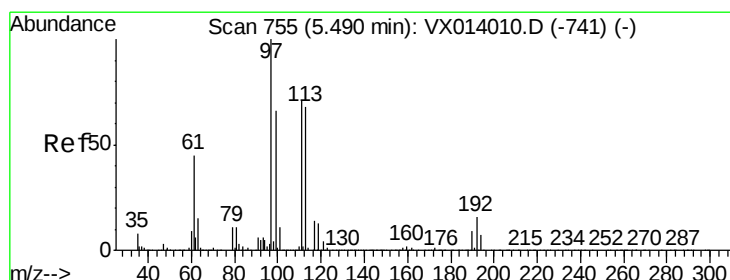
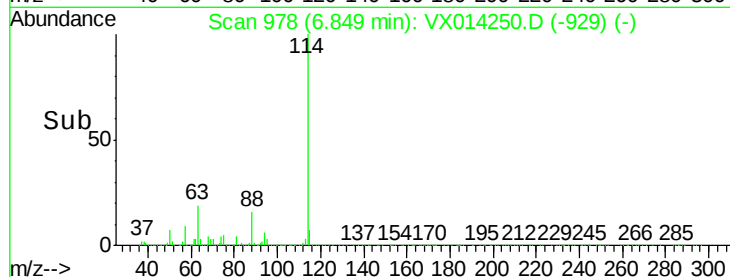
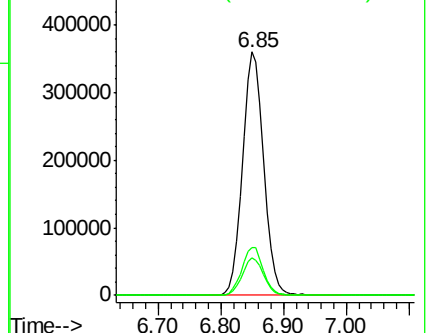
88 15.6 0.0 30.4



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: 48.799 ug/l

RT: 5.49 min Scan# 755

Delta R.T. 0.00 min

Lab File: VX014250.D

Acq: 24 Dec 2019 17:11

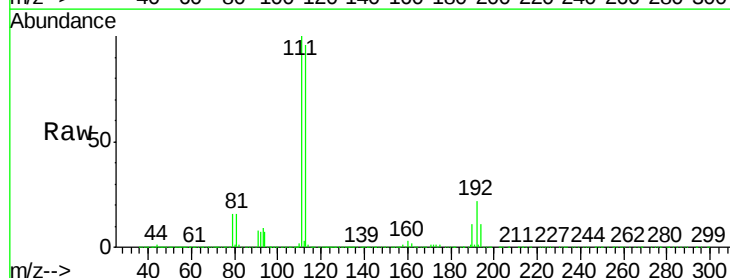
Tgt Ion:113 Resp: 248861

Ion Ratio Lower Upper

113 100

111 102.2 82.0 123.0

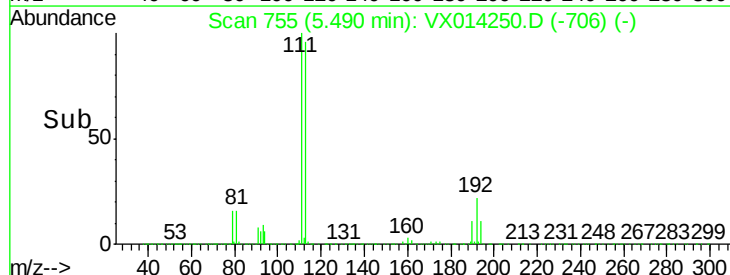
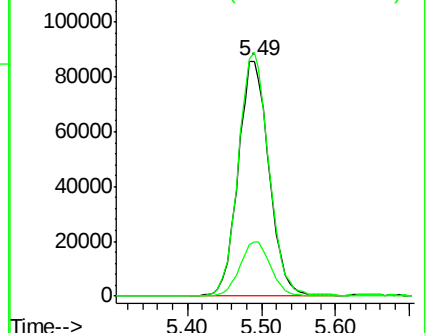
192 23.2 19.3 28.9

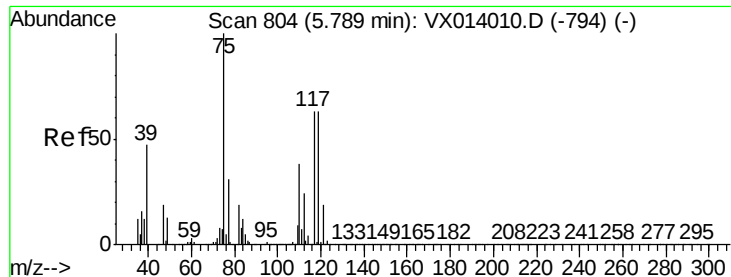


Abundance Ion 112.80 (112.50 to 113.50): V

Ion 110.80 (110.50 to 111.50): V

Ion 191.70 (191.40 to 192.40): V

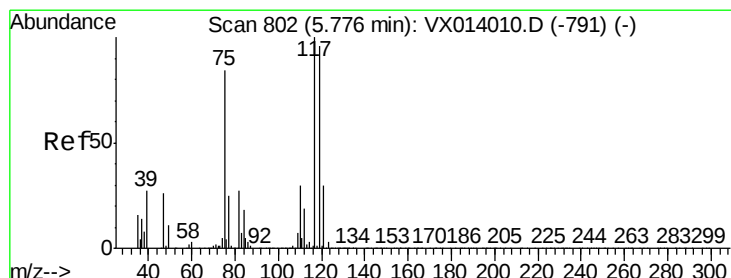
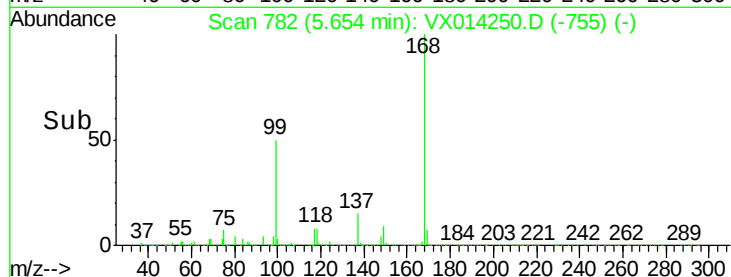
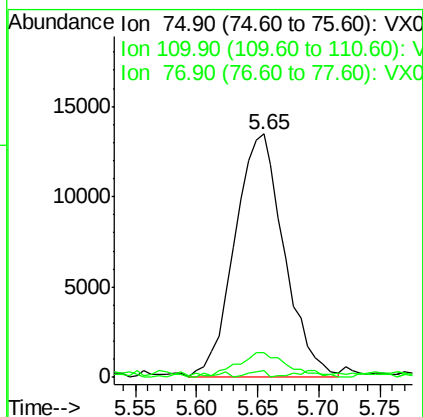
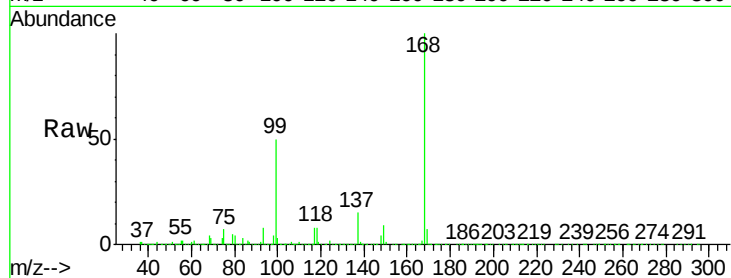




#36
 1,1-Dichloropropene
 Concen: 4.908 ug/l
 RT: 5.65 min Scan# 782
 Delta R.T. -0.13 min
 Lab File: VX014250.D
 Acq: 24 Dec 2019 17:11

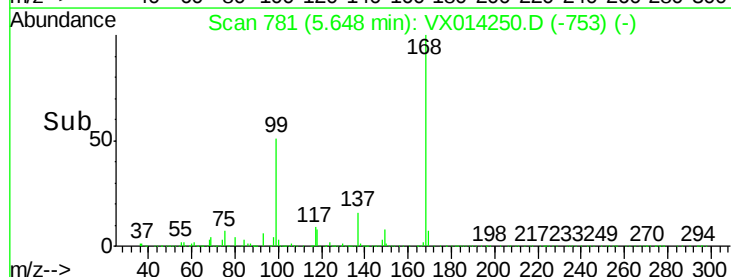
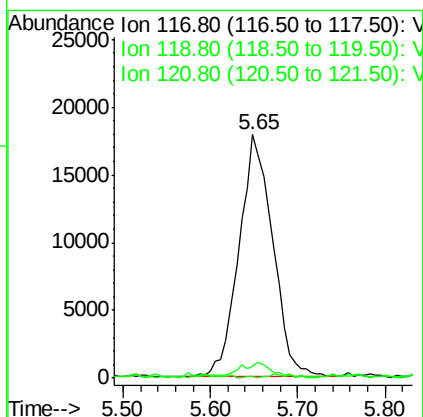
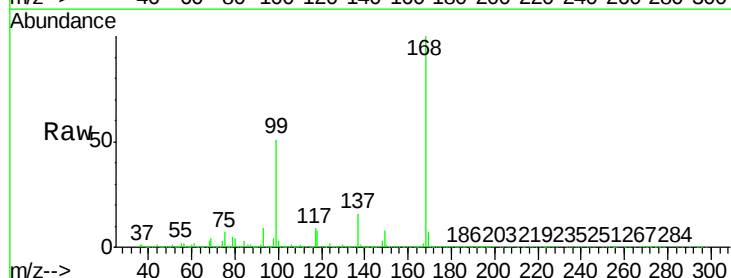
Instrument :
 MSVOA_X
 ClientSampleId :
 994-MW-05-(17)

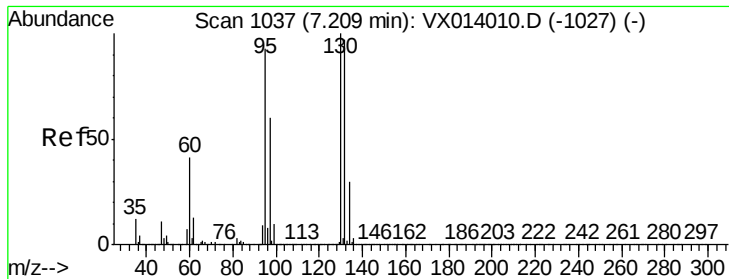
Tgt Ion	Ratio	Lower	Upper
75	100		
110	10.7	18.3	54.9#
77	1.1	24.8	37.2#



#38
 Carbon Tetrachloride
 Concen: 6.819 ug/l
 RT: 5.65 min Scan# 781
 Delta R.T. -0.13 min
 Lab File: VX014250.D
 Acq: 24 Dec 2019 17:11

Tgt Ion	Ratio	Lower	Upper
117	100		
119	3.9	76.2	114.4#
121	0.4	23.6	35.4#





#44

Trichloroethene

Concen: 0.831 ug/l

RT: 7.22 min Scan# 1038

Delta R.T. 0.01 min

Lab File: VX014250.D

Acq: 24 Dec 2019 17:11

Instrument :

MSVOA_X

ClientSampleId :

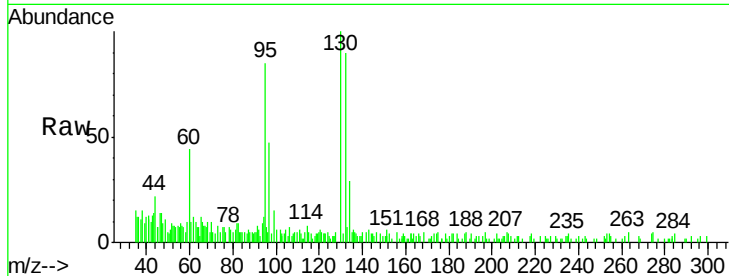
994-MW-05-(17)

Tgt Ion: 130 Resp: 5436

Ion Ratio Lower Upper

130 100

95 79.9 0.0 185.6



Abundance Ion 129.80 (129.50 to 130.50): V

Ion 94.90 (94.60 to 95.60): VX0

7.22

3000

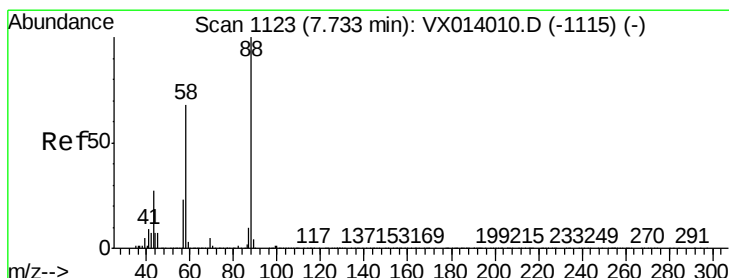
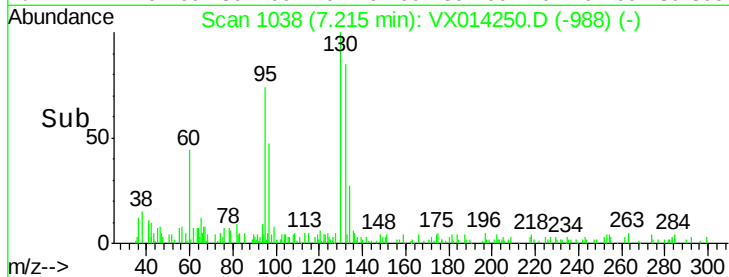
2000

1000

0

7.15 7.20 7.25

Time-->



#49

1,4-Dioxane

Concen: 3.866 ug/l

RT: 7.73 min Scan# 1123

Delta R.T. 0.00 min

Lab File: VX014250.D

Acq: 24 Dec 2019 17:11

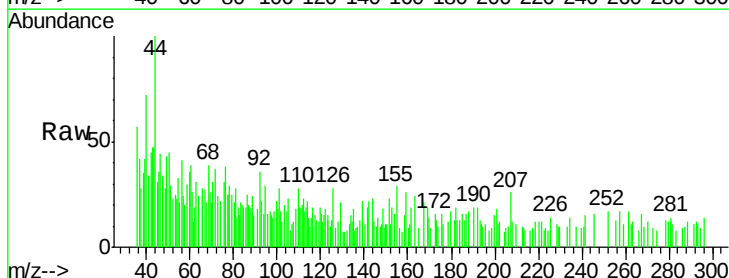
Tgt Ion: 88 Resp: 542

Ion Ratio Lower Upper

88 100

43 0.0 26.5 39.7#

58 93.7 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

800

600

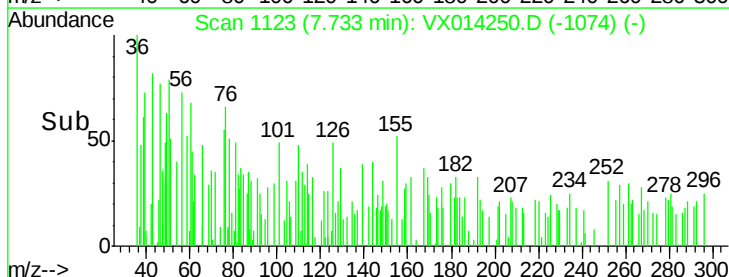
400

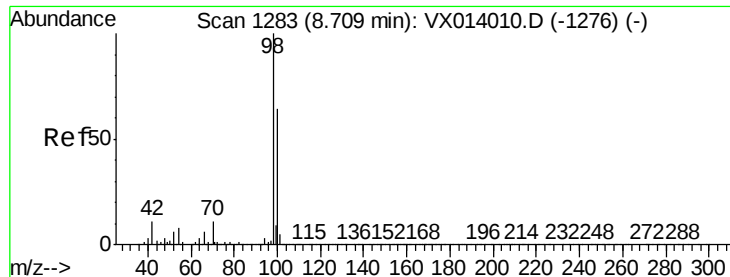
200

0

7.70 7.75

Time-->





#50

Toluene-d8

Concen: 50.002 ug/l

RT: 8.71 min Scan# 1283

Delta R.T. 0.00 min

Lab File: VX014250.D

Acq: 24 Dec 2019 17:11

Instrument :

MSVOA_X

ClientSampleId :

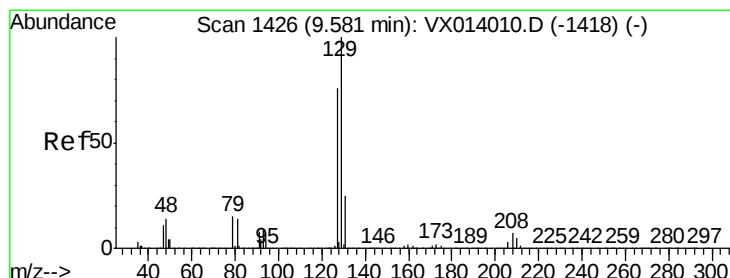
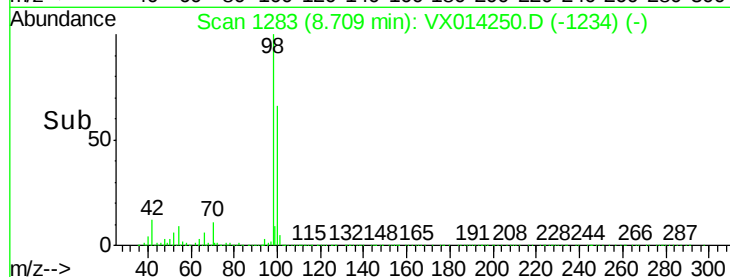
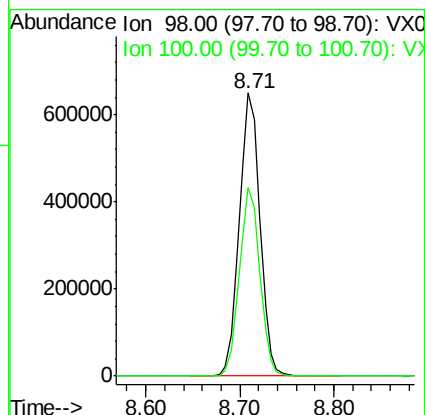
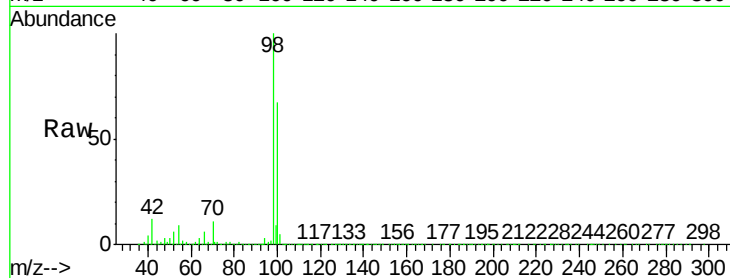
994-MW-05-(17)

Tgt Ion: 98 Resp: 992762

Ion Ratio Lower Upper

98 100

100 65.9 52.9 79.3



#60

Dibromochloromethane

Concen: 30.269 ug/l

RT: 9.33 min Scan# 1385

Delta R.T. -0.25 min

Lab File: VX014250.D

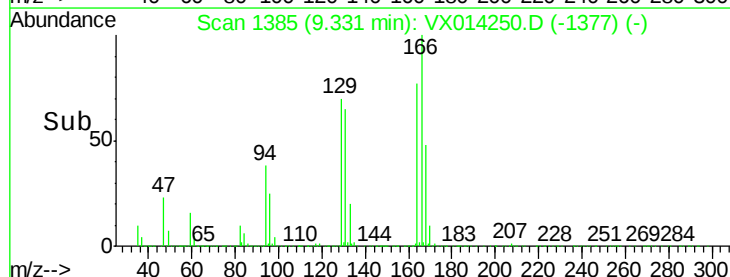
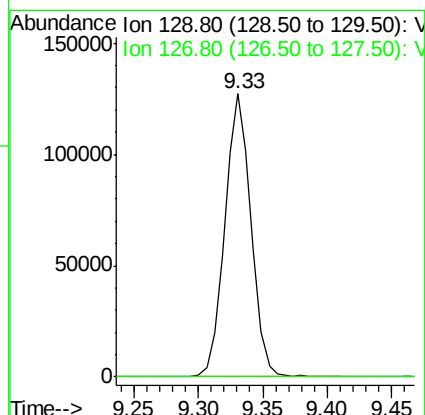
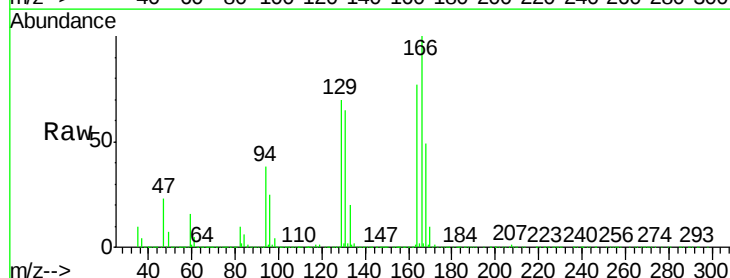
Acq: 24 Dec 2019 17:11

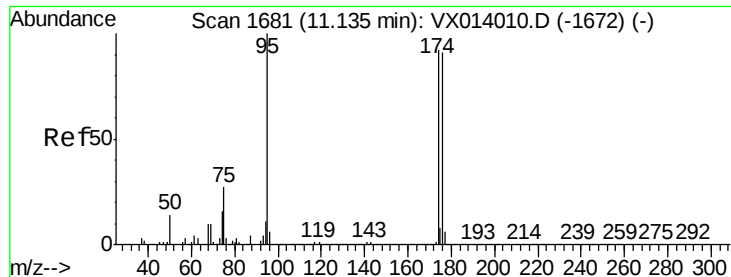
Tgt Ion: 129 Resp: 180522

Ion Ratio Lower Upper

129 100

127 0.3 38.4 115.2#





#62

4-Bromofluorobenzene

Concen: 45.469 ug/l

RT: 11.13 min Scan# 1680

Delta R.T. -0.01 min

Lab File: VX014250.D

Acq: 24 Dec 2019 17:11

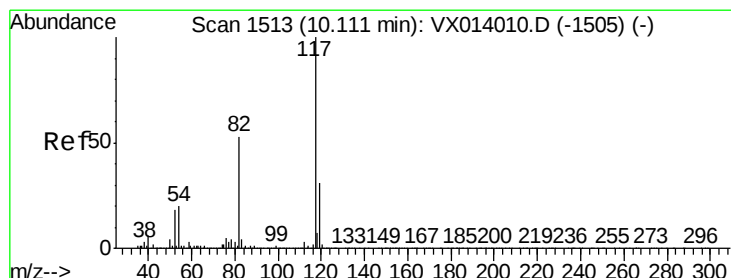
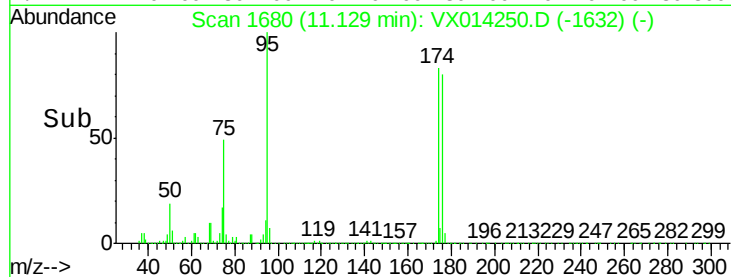
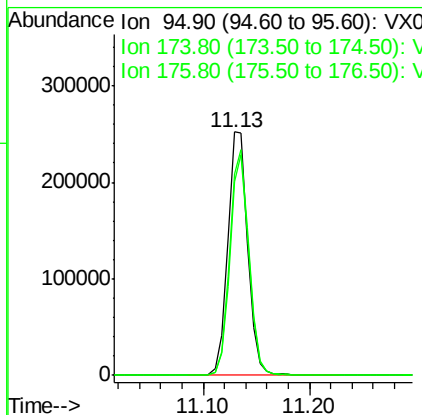
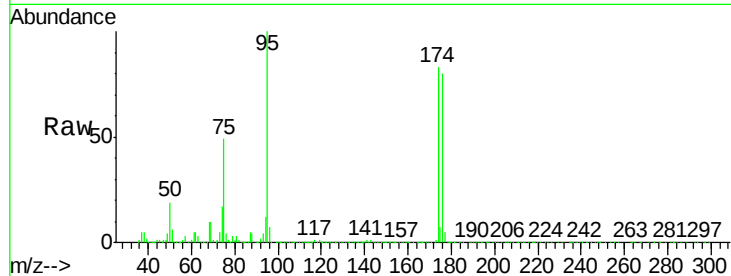
Instrument :

MSVOA_X

ClientSampleId :

994-MW-05-(17)

Tgt Ion:	95	Resp:	329997
Ion	Ratio	Lower	Upper
95	100		
174	90.1	0.0	175.8
176	86.4	0.0	173.0



#63

Chlorobenzene-d5

Concen: 50.000 ug/l

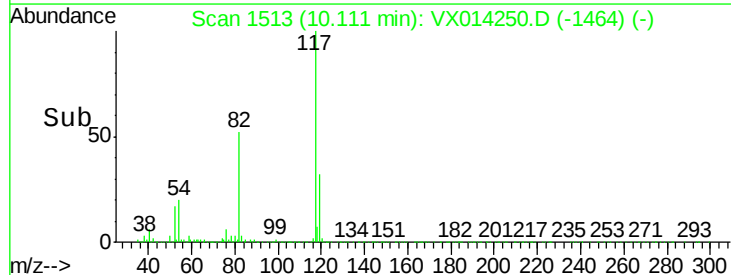
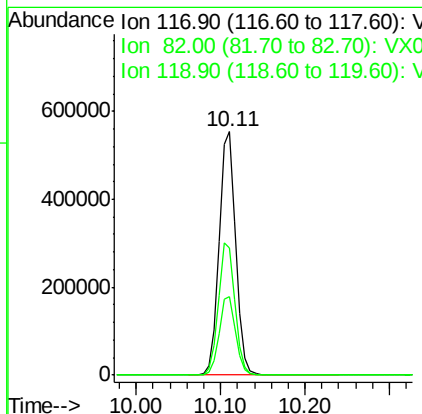
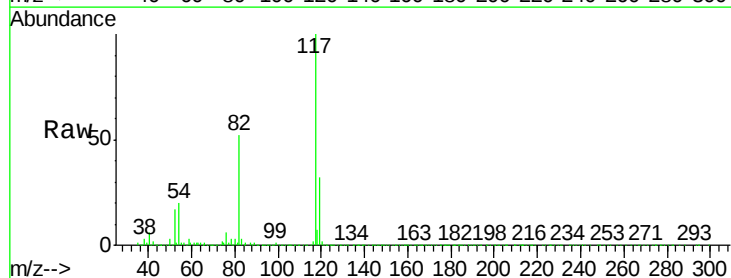
RT: 10.11 min Scan# 1513

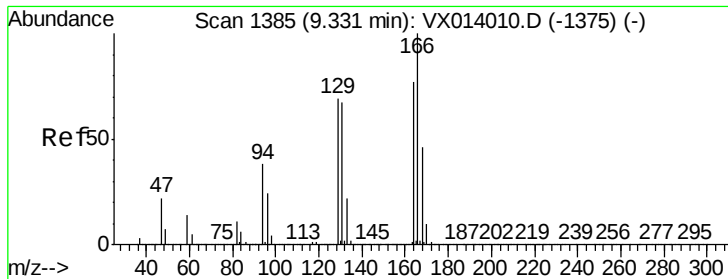
Delta R.T. 0.00 min

Lab File: VX014250.D

Acq: 24 Dec 2019 17:11

Tgt Ion:	117	Resp:	757241
Ion	Ratio	Lower	Upper
117	100		
82	52.3	42.2	63.4
119	32.2	25.1	37.7





#64

Tetrachloroethene

Concen: 30.510 ug/l

RT: 9.33 min Scan# 1385

Delta R.T. 0.00 min

Lab File: VX014250.D

Acq: 24 Dec 2019 17:11

Instrument :

MSVOA_X

ClientSampleId :

994-MW-05-(17)

Tgt Ion:164 Resp: 204438

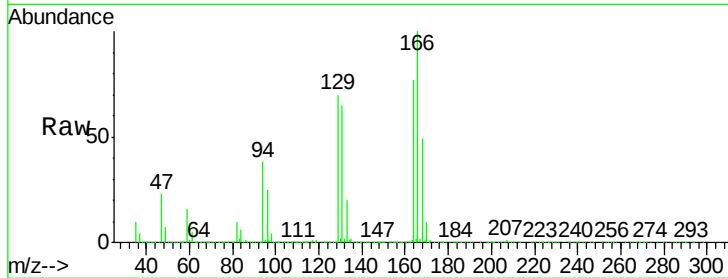
Ion Ratio Lower Upper

164 100

166 129.7 104.0 156.0

129 90.8 72.2 108.4

131 84.3 69.6 104.4

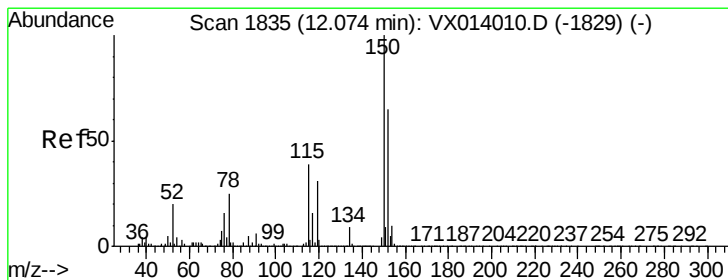
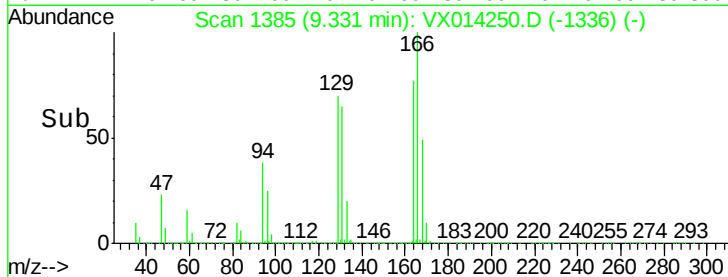
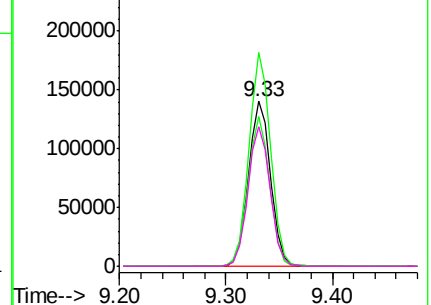


Abundance Ion 163.80 (163.50 to 164.50): V

Ion 165.80 (165.50 to 166.50): V

Ion 128.80 (128.50 to 129.50): V

Ion 130.80 (130.50 to 131.50): 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: VX014250.D

Acq: 24 Dec 2019 17:11

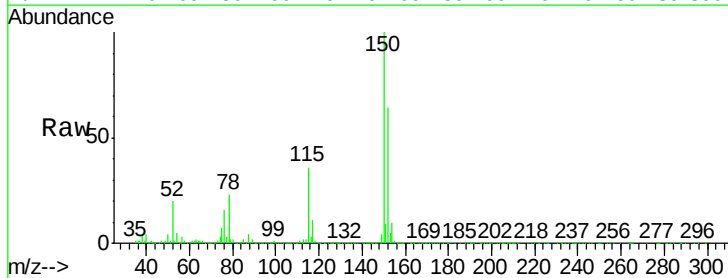
Tgt Ion:152 Resp: 328103

Ion Ratio Lower Upper

152 100

115 56.2 38.3 114.9

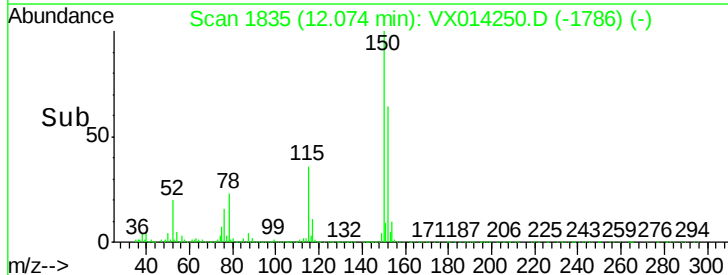
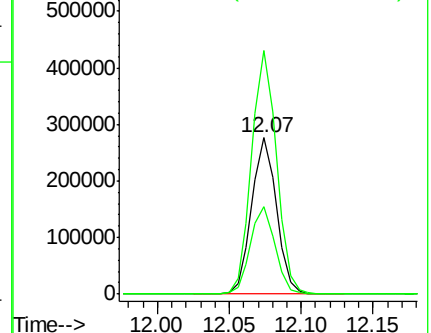
150 156.8 0.0 345.4

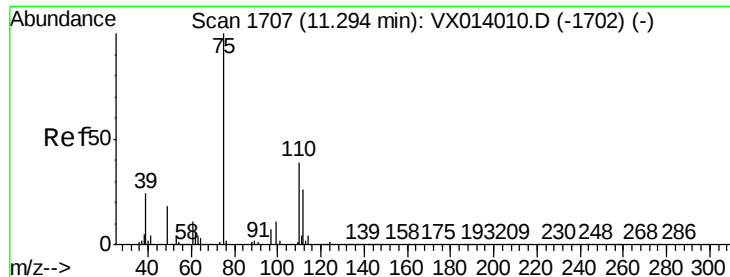


Abundance Ion 151.90 (151.60 to 152.60): V

Ion 114.90 (114.60 to 115.60): V

Ion 149.90 (149.60 to 150.60): V





#76

1,2,3-Trichloropropane

Concen: 22.659 ug/l

RT: 11.13 min Scan# 1680

Delta R.T. -0.16 min

Lab File: VX014250.D

Acq: 24 Dec 2019 17:11

Instrument :

MSVOA_X

ClientSampled :

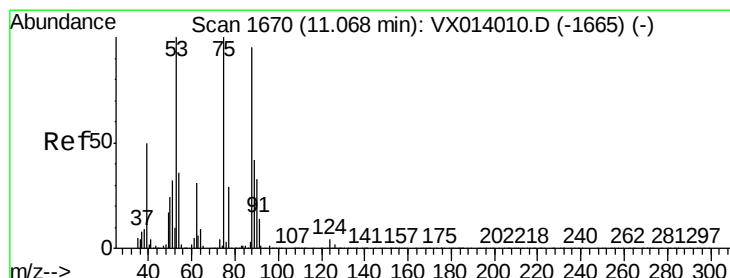
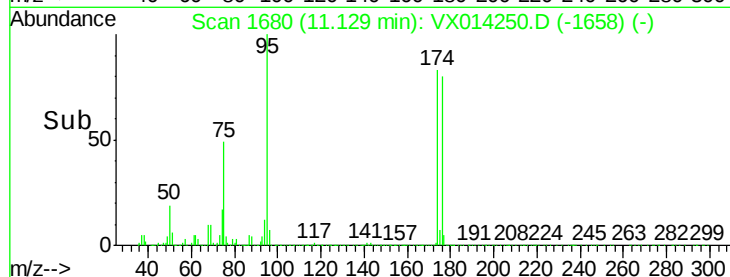
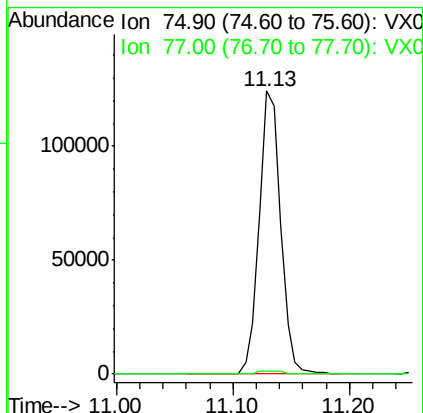
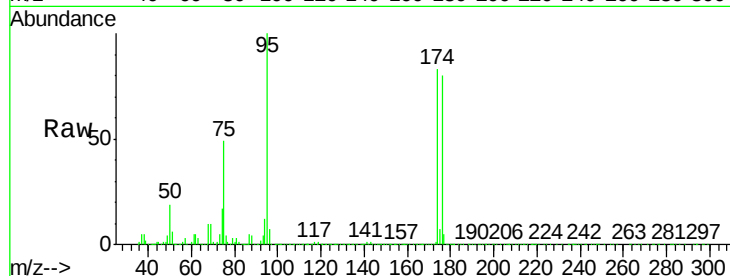
994-MW-05-(17)

Tgt Ion: 75 Resp: 161404

Ion Ratio Lower Upper

75 100

77 1.6 19.3 57.8#



#81

trans-1,4-Dichloro-2-butene

Concen: 63.957 ug/l

RT: 11.13 min Scan# 1680

Delta R.T. 0.06 min

Lab File: VX014250.D

Acq: 24 Dec 2019 17:11

Tgt Ion: 75 Resp: 161404

Ion Ratio Lower Upper

75 100

53 0.2 76.7 115.1#

89 0.0 34.6 51.8#

