

Data Path : Z:\VOASRV\HPCHEM1\MSVOA_X\DATA\VX122419\
 Data File : VX014234.D
 Acq On : 24 Dec 2019 10:32
 Operator : JC/SP
 Sample : VX1224WBL01
 Misc : 5.0mL/MSVOA_X/WATER
 ALS Vial : 4 Sample Multiplier: 1

Instrument :
 MSVOA_X
 ClientSampleId :
 VX1224WBL01

Quant Time: Dec 25 05:37:29 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	561321	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	6.85	114	856402	50.00	ug/l	0.00
63) Chlorobenzene-d5	10.11	117	773822	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	12.07	152	345231	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	314547	49.44	ug/l	0.00
Spiked Amount			Recovery	=	98.88%	
35) Dibromofluoromethane	5.49	113	256240	49.22	ug/l	0.00
Spiked Amount			Recovery	=	98.44%	
50) Toluene-d8	8.71	98	1022478	50.45	ug/l	0.00
Spiked Amount			Recovery	=	100.90%	
62) 4-Bromofluorobenzene	11.13	95	347235	46.87	ug/l	0.00
Spiked Amount			Recovery	=	93.74%	

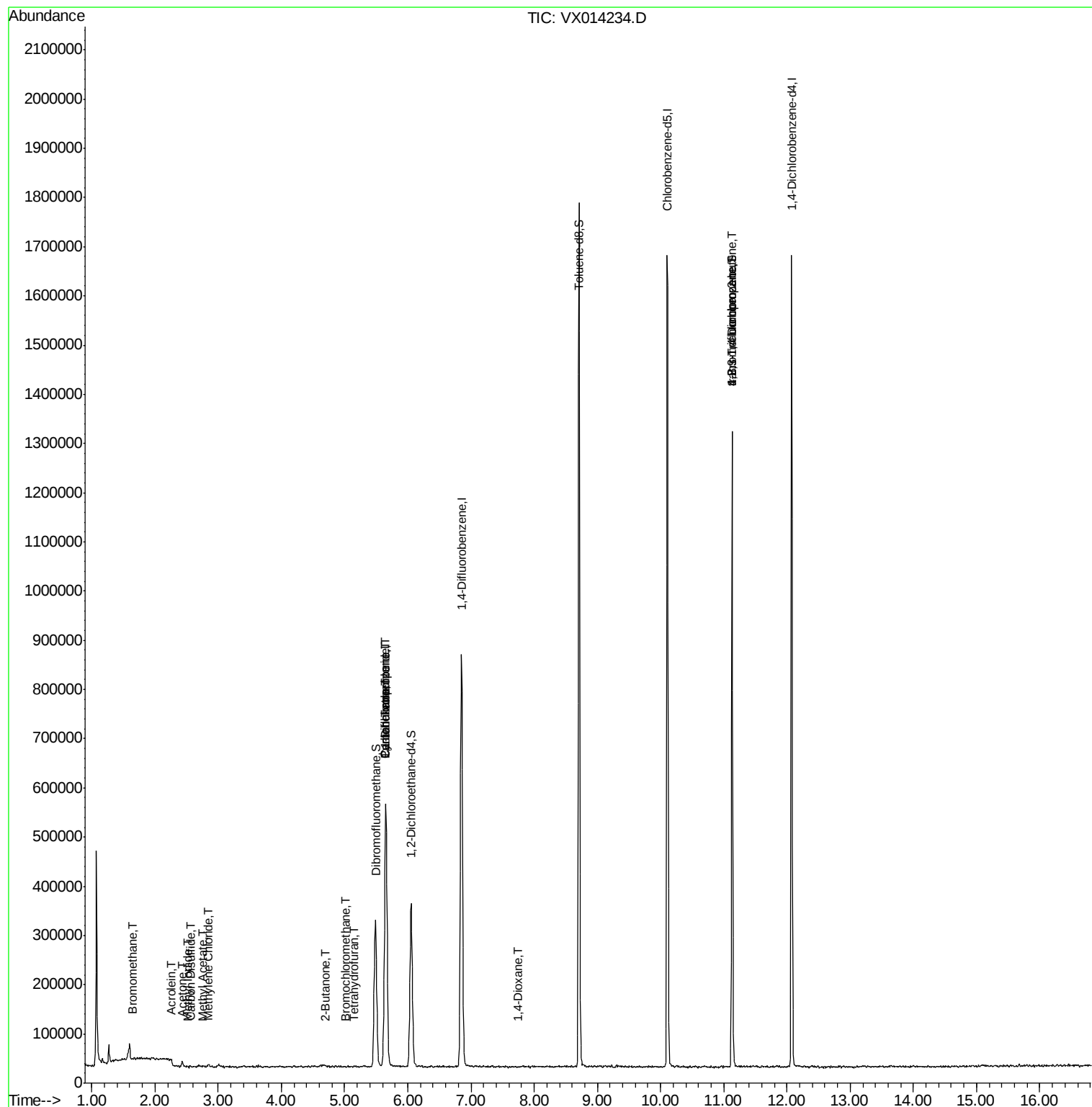
Target Compounds	R.T.	QIon	Response	Conc	Units	Qvalue
5) Bromomethane	1.65	94	1564	0.310	ug/l	83
10) Methyl Iodide	2.52	142	1539	2.829	ug/l #	68
13) Acrolein	2.26	56	517	0.657	ug/l #	14
16) Acetone	2.43	43	10657	2.580	ug/l	93
17) Carbon Disulfide	2.56	76	1776	0.867	ug/l #	80
18) Methyl Acetate	2.75	43	1864	0.228	ug/l #	67
20) Methylene Chloride	2.85	84	2771	0.426	ug/l #	75
25) 2-Butanone	4.70	43	3042	0.597	ug/l #	87
28) Bromochloromethane	5.01	49	348	0.538	ug/l #	11
29) Tetrahydrofuran	5.15	42	805	0.283	ug/l #	49
31) Cyclohexane	5.65	56	10399	1.094	ug/l #	1
36) 1,1-Dichloropropene	5.65	75	37381	4.757	ug/l #	51
38) Carbon Tetrachloride	5.65	117	47170	6.589	ug/l #	16
49) 1,4-Dioxane	7.75	88	157	1.097	ug/l #	1
76) 1,2,3-Trichloropropane	11.13	75	169162	22.570	ug/l #	39
81) trans-1,4-Dichloro-2-buten	11.13	75	169162	63.705	ug/l #	12

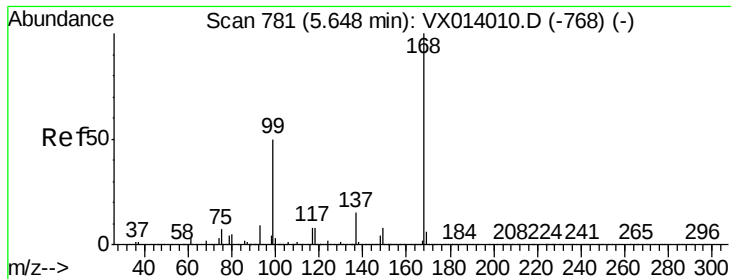
(#) = qualifier out of range (m) = manual integration (+) = signals summed

Data Path : Z:\V0ASRV\HPCHEM1\MSVOA_X\DATA\VX122419\
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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# 782

Delta R.T. 0.01 min

Lab File: VX014234.D

Acq: 24 Dec 2019 10:32

Instrument :

MSVOA_X

ClientSampleId :

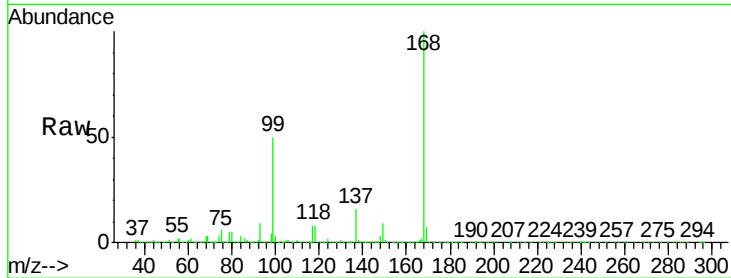
VX1224WBL01

Tgt Ion: 168 Resp: 561321

Ion Ratio Lower Upper

168 100

99 49.6 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

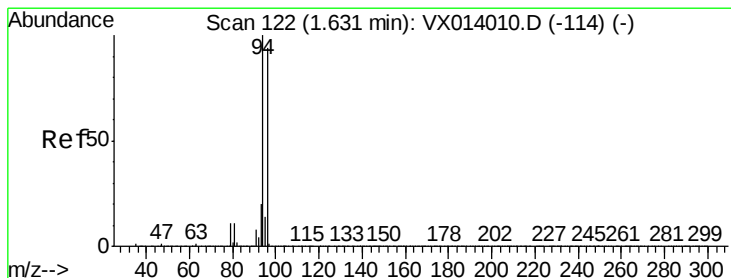
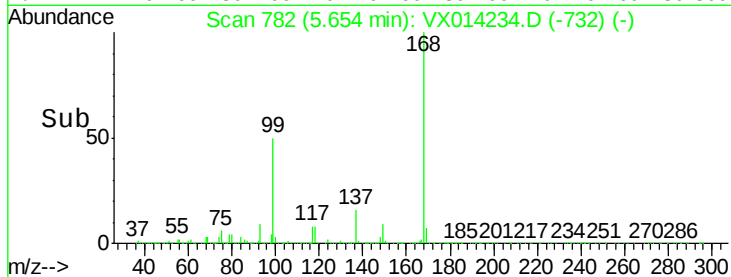
100000

50000

0

Time-->

5.50 5.60 5.70 5.80



#5

Bromomethane

Concen: 0.310 ug/l

RT: 1.65 min Scan# 125

Delta R.T. 0.02 min

Lab File: VX014234.D

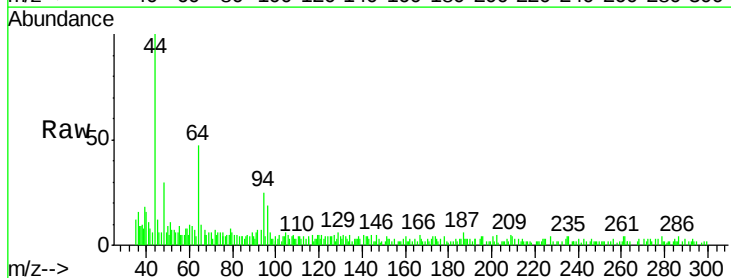
Acq: 24 Dec 2019 10:32

Tgt Ion: 94 Resp: 1564

Ion Ratio Lower Upper

94 100

96 77.8 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

1000

800

600

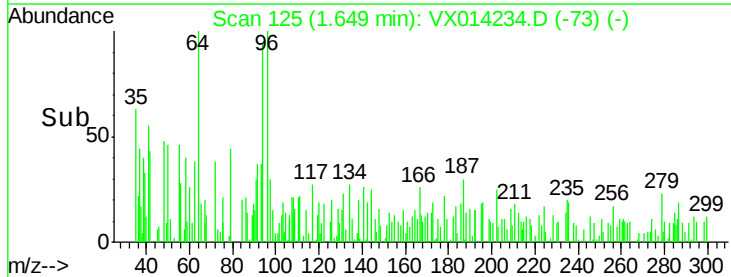
400

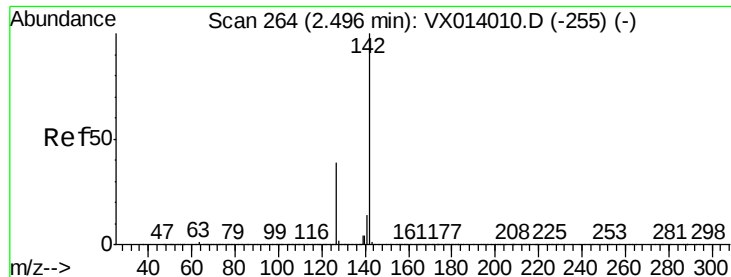
200

0

Time-->

1.60 1.65 1.70





#10

Methyl Iodide

Concen: 2.829 ug/l

RT: 2.52 min Scan# 268

Delta R.T. 0.02 min

Lab File: VX014234.D

Acq: 24 Dec 2019 10:32

Instrument :

MSVOA_X

ClientSampleId :

VX1224WBL01

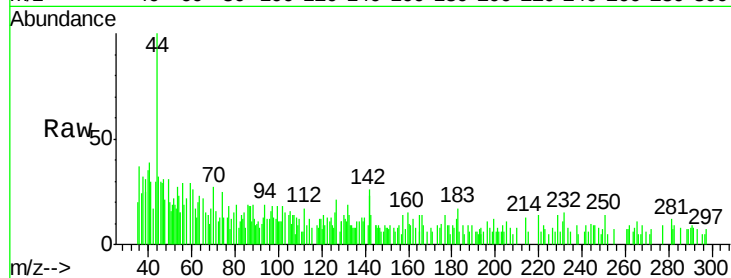
Tgt Ion:142 Resp: 1539

Ion Ratio Lower Upper

142 100

127 20.5 31.6 47.4#

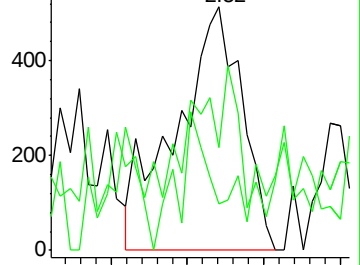
141 28.5 11.6 17.4#



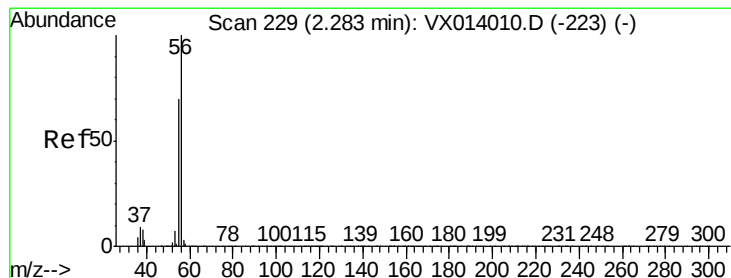
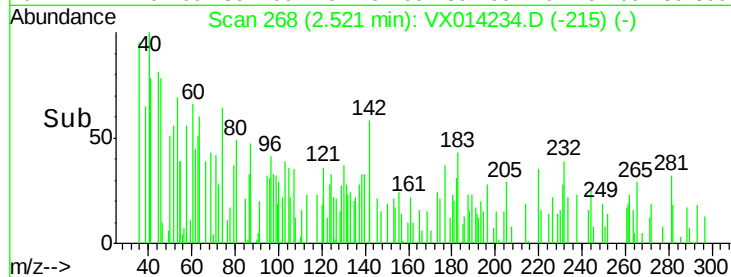
Abundance Ion 141.80 (141.50 to 142.50): V

Ion 126.80 (126.50 to 127.50): V

Ion 140.80 (140.50 to 141.50): V



Time-->



#13

Acrolein

Concen: 0.657 ug/l

RT: 2.26 min Scan# 226

Delta R.T. -0.02 min

Lab File: VX014234.D

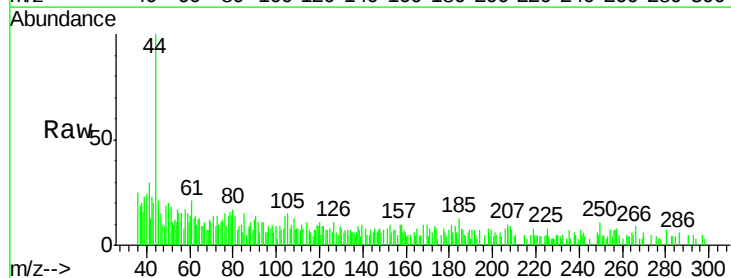
Acq: 24 Dec 2019 10:32

Tgt Ion: 56 Resp: 517

Ion Ratio Lower Upper

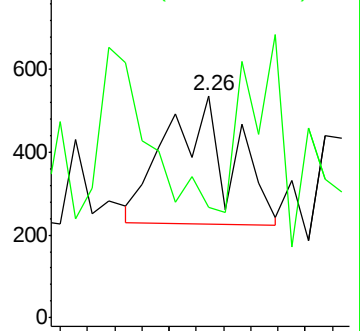
56 100

55 0.0 56.9 85.3#

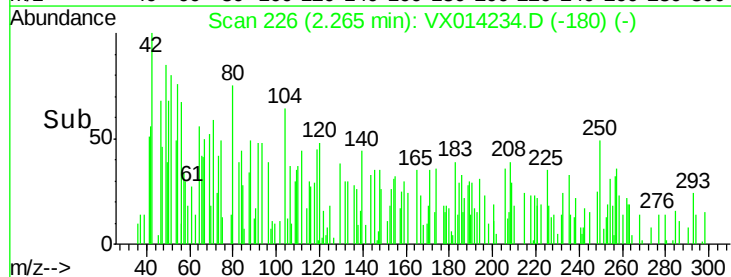


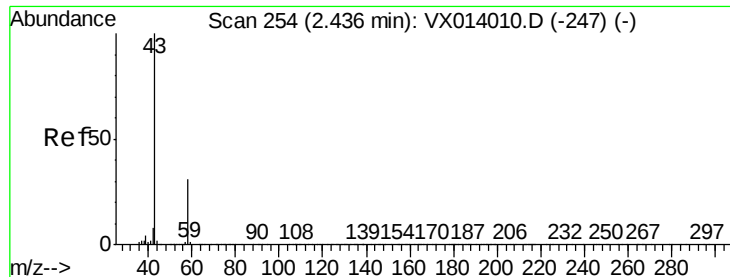
Abundance Ion 56.00 (55.70 to 56.70): VX0

Ion 55.00 (54.70 to 55.70): VX0



Time-->





#16

Acetone

Concen: 2.580 ug/l

RT: 2.43 min Scan# 253

Delta R.T. -0.01 min

Lab File: VX014234.D

Acq: 24 Dec 2019 10:32

Instrument :

MSVOA_X

ClientSampleId :

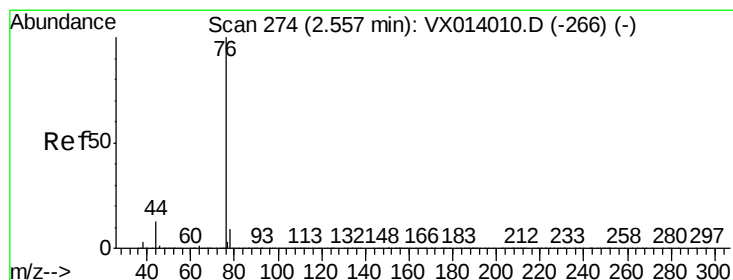
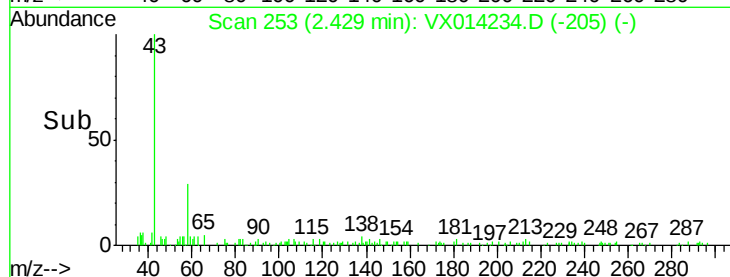
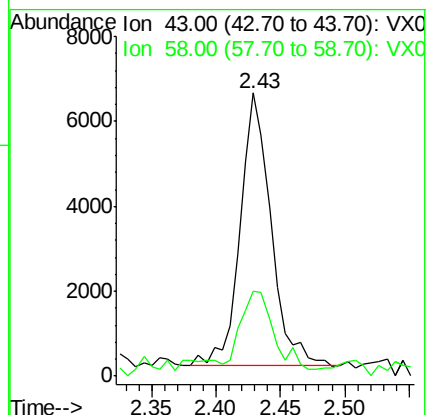
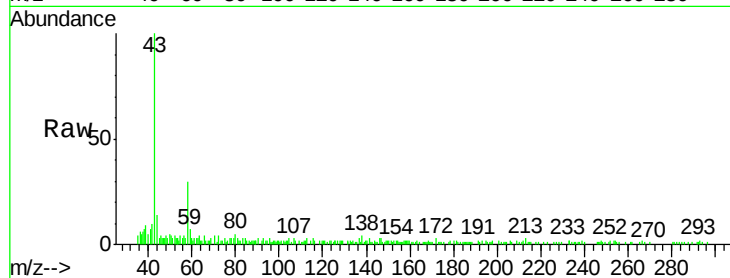
VX1224WBL01

Tgt Ion: 43 Resp: 10657

Ion Ratio Lower Upper

43 100

58 27.0 24.9 37.3



#17

Carbon Disulfide

Concen: 0.867 ug/l

RT: 2.56 min Scan# 275

Delta R.T. 0.01 min

Lab File: VX014234.D

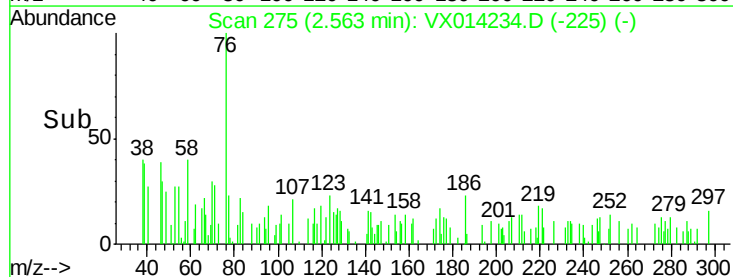
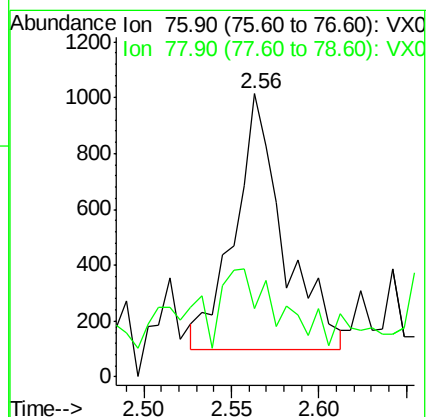
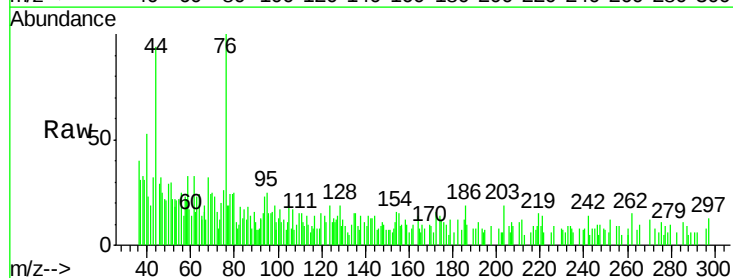
Acq: 24 Dec 2019 10:32

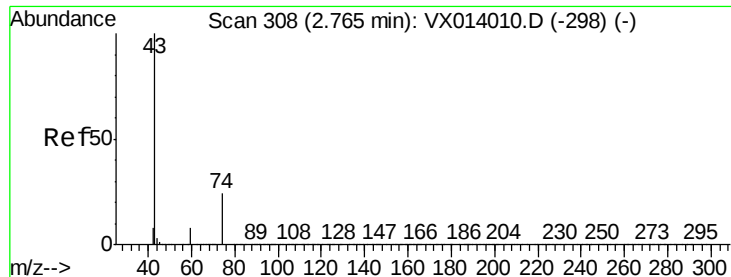
Tgt Ion: 76 Resp: 1776

Ion Ratio Lower Upper

76 100

78 1.9 7.2 10.8#

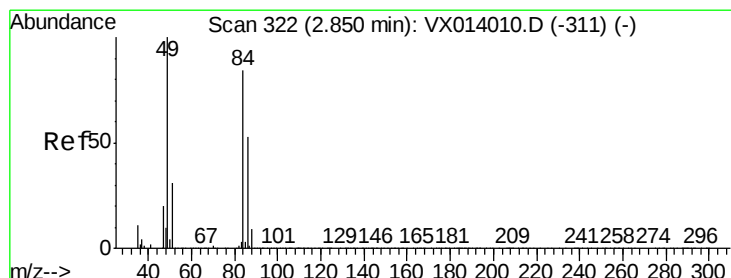
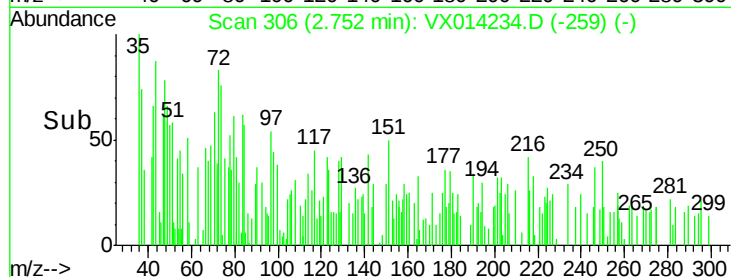
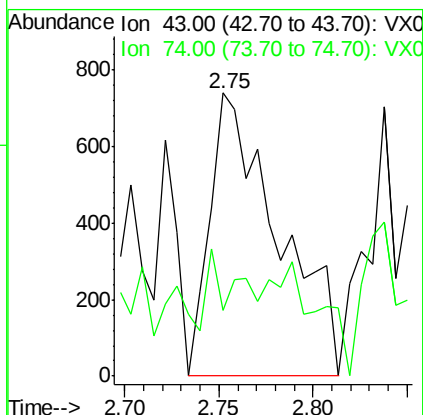
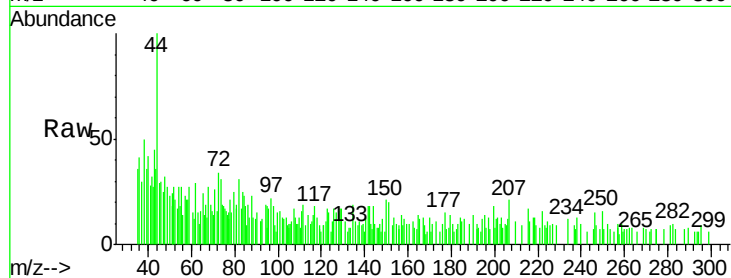




#18
Methyl Acetate
Concen: 0.228 ug/l
RT: 2.75 min Scan# 306
Delta R.T. -0.01 min
Lab File: VX014234.D
Acq: 24 Dec 2019 10:32

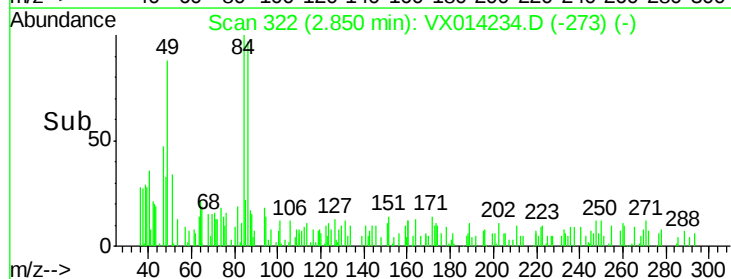
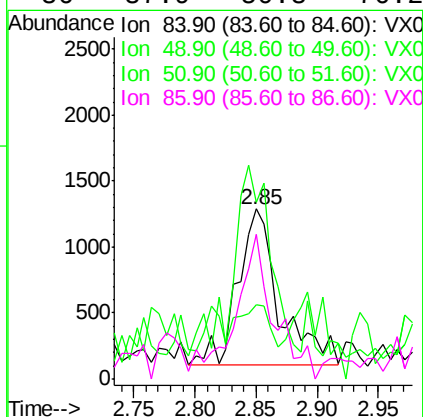
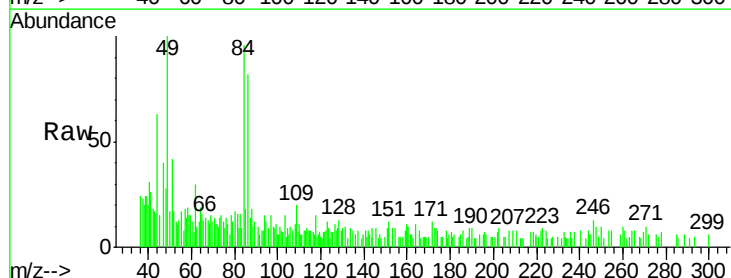
Instrument :
MSVOA_X
ClientSampleId :
VX1224WBL01

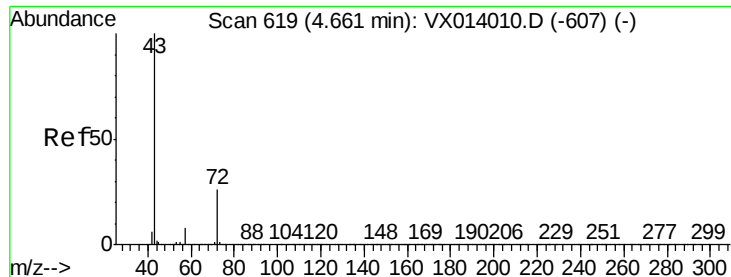
Tgt Ion: 43 Resp: 1864
Ion Ratio Lower Upper
43 100
74 7.9 19.5 29.3#



#20
Methylene Chloride
Concen: 0.426 ug/l
RT: 2.85 min Scan# 322
Delta R.T. -0.00 min
Lab File: VX014234.D
Acq: 24 Dec 2019 10:32

Tgt Ion: 84 Resp: 2771
Ion Ratio Lower Upper
84 100
49 89.9 95.8 143.6#
51 32.9 29.8 44.8
86 87.9 50.8 76.2#





#25

2-Butanone

Concen: 0.597 ug/l

RT: 4.70 min Scan# 625

Delta R.T. 0.04 min

Lab File: VX014234.D

Acq: 24 Dec 2019 10:32

Instrument :

MSVOA_X

ClientSampleId :

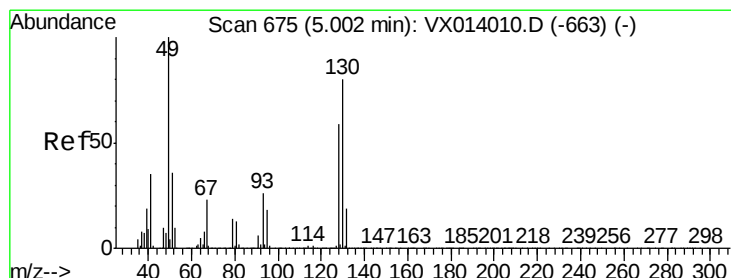
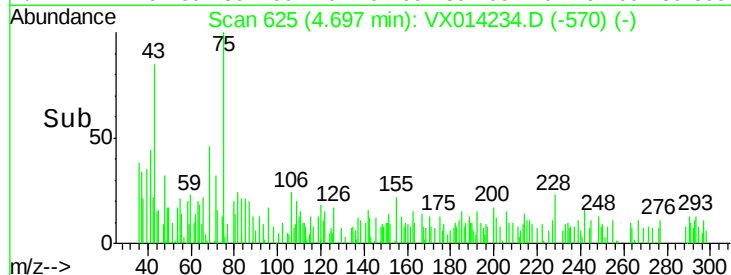
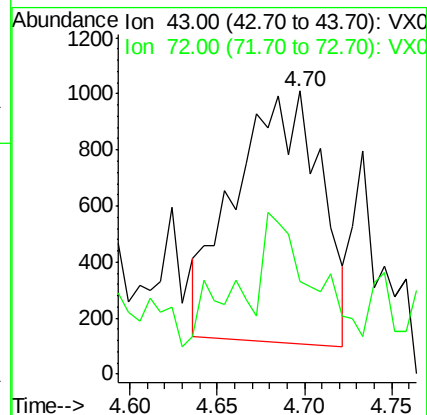
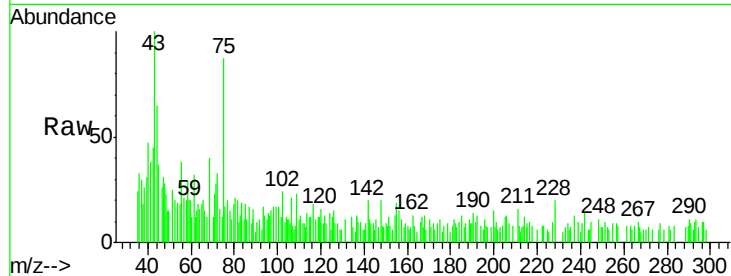
VX1224WBL01

Tgt Ion: 43 Resp: 3042

Ion Ratio Lower Upper

43 100

72 19.6 21.0 31.4#



#28

Bromochloromethane

Concen: 0.538 ug/l

RT: 5.01 min Scan# 677

Delta R.T. 0.01 min

Lab File: VX014234.D

Acq: 24 Dec 2019 10:32

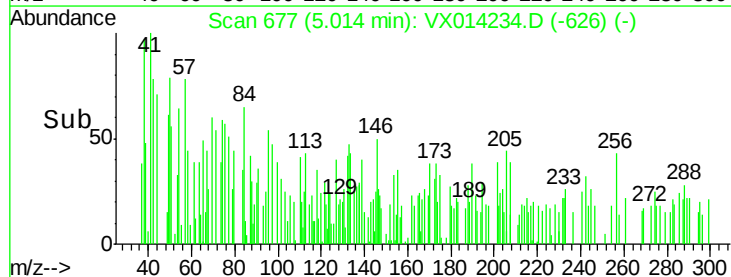
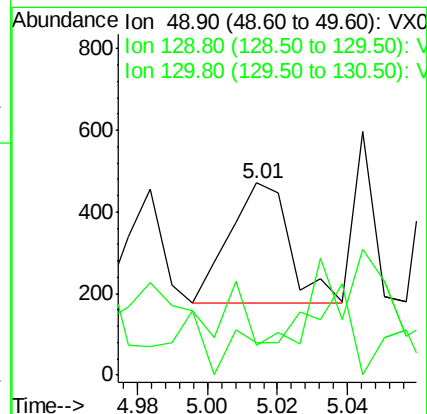
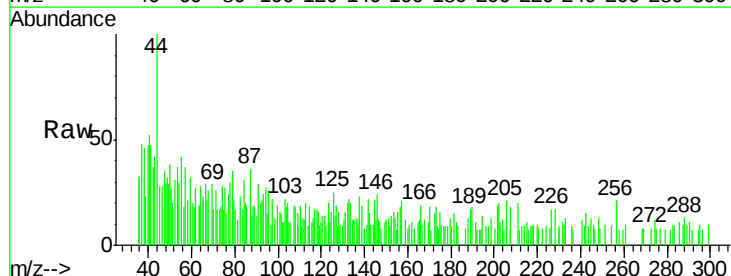
Tgt Ion: 49 Resp: 348

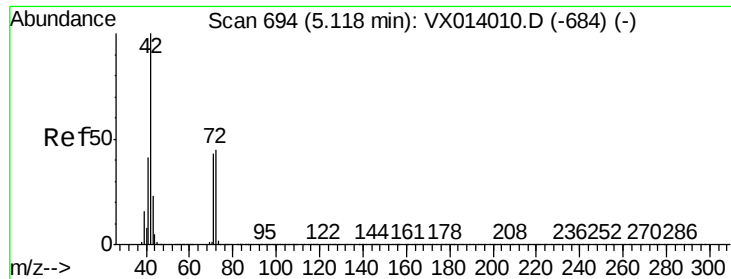
Ion Ratio Lower Upper

49 100

129 0.0 0.0 5.0

130 0.0 64.6 97.0#

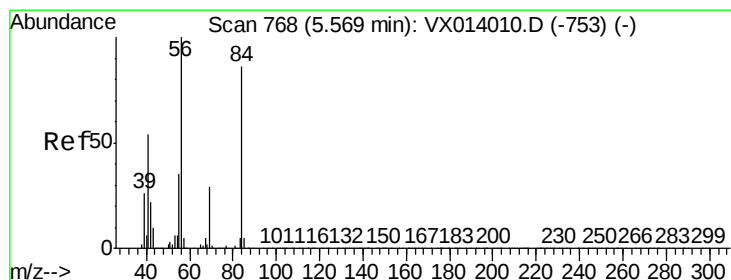
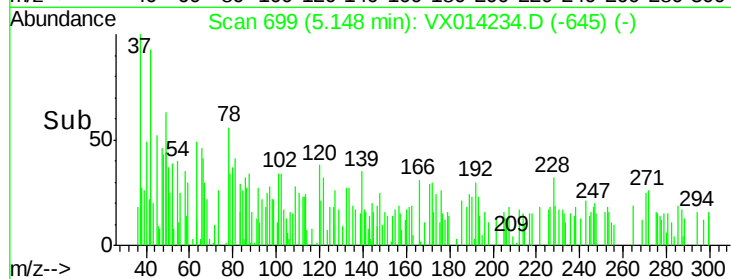
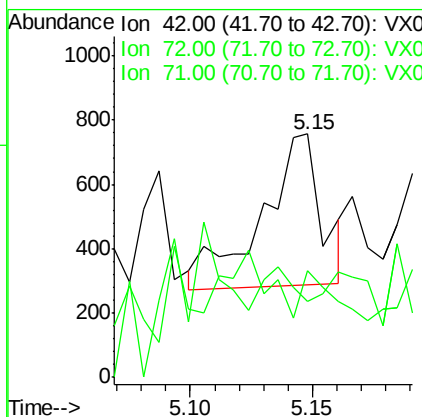
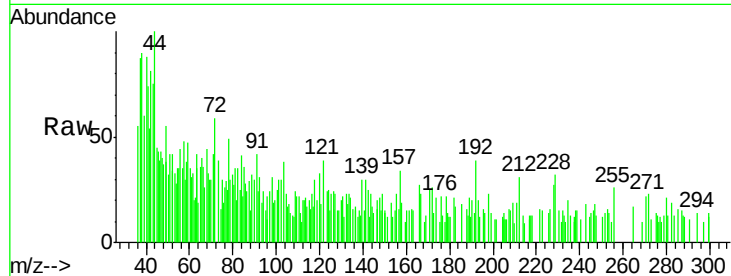




#29
Tetrahydrofuran
Concen: 0.283 ug/l
RT: 5.15 min Scan# 699
Delta R.T. 0.03 min
Lab File: VX014234.D
Acq: 24 Dec 2019 10:32

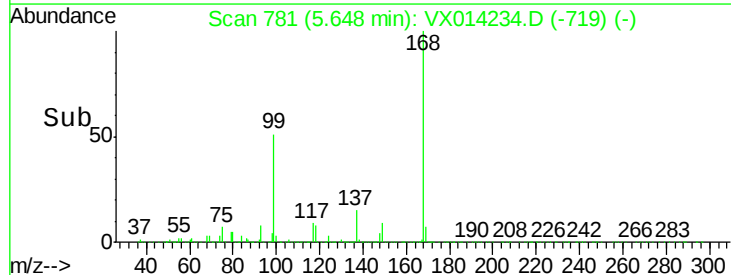
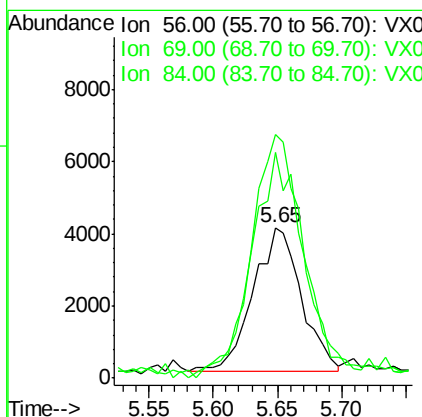
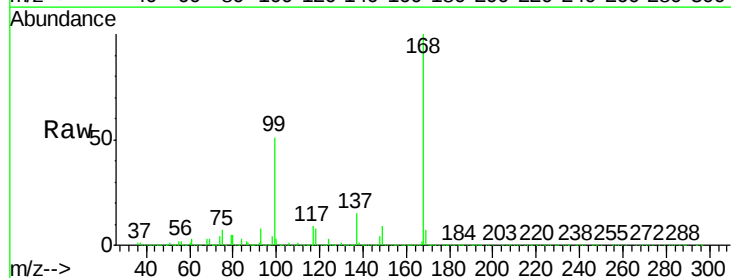
Instrument :
MSVOA_X
ClientSampled :
VX1224WBL01

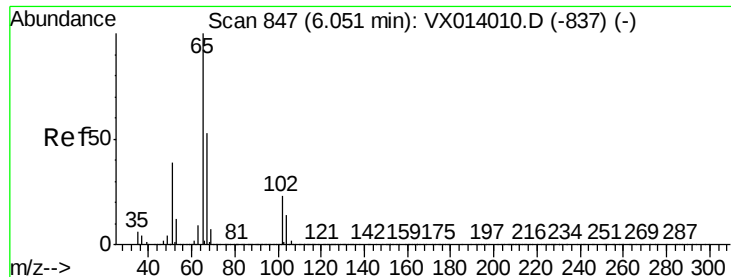
Tgt Ion: 42 Resp: 805
Ion Ratio Lower Upper
42 100
72 0.0 35.8 53.8#
71 21.5 33.6 50.4#



#31
Cyclohexane
Concen: 1.094 ug/l
RT: 5.65 min Scan# 781
Delta R.T. 0.08 min
Lab File: VX014234.D
Acq: 24 Dec 2019 10:32

Tgt Ion: 56 Resp: 10399
Ion Ratio Lower Upper
56 100
69 162.7 23.2 34.8#
84 151.0 69.2 103.8#





#33

1,2-Dichloroethane-d4

Concen: 49.443 ug/l

RT: 6.05 min Scan# 847

Delta R.T. -0.00 min

Lab File: VX014234.D

Acq: 24 Dec 2019 10:32

Instrument :

MSVOA_X

ClientSampleId :

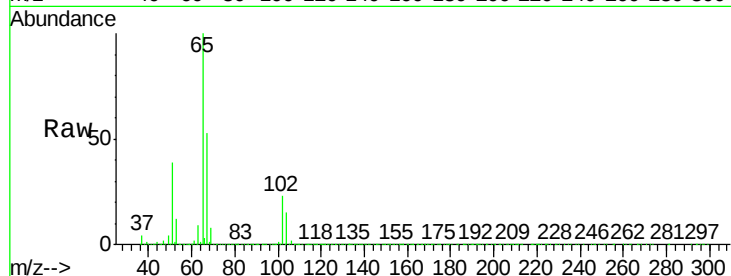
VX1224WBL01

Tgt Ion: 65 Resp: 314547

Ion Ratio Lower Upper

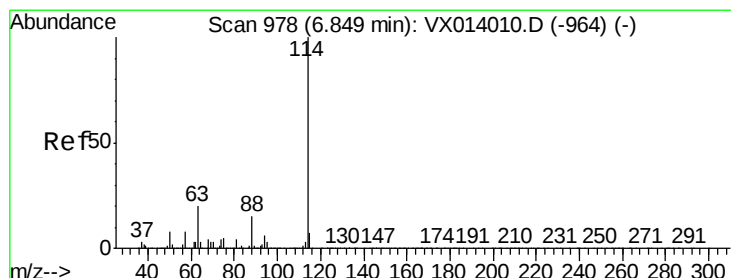
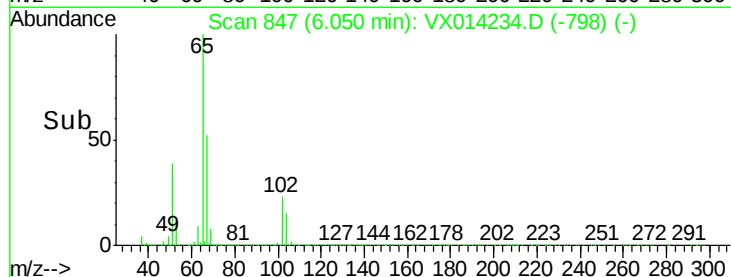
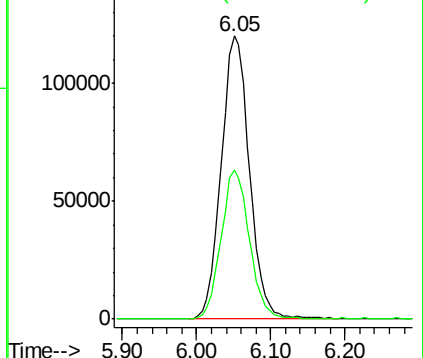
65 100

67 53.1 0.0 106.4



Abundance Ion 64.90 (64.60 to 65.60): VX0

Ion 66.90 (66.60 to 67.60): VX0



#34

1,4-Difluorobenzene

Concen: 50.000 ug/l

RT: 6.85 min Scan# 978

Delta R.T. -0.00 min

Lab File: VX014234.D

Acq: 24 Dec 2019 10:32

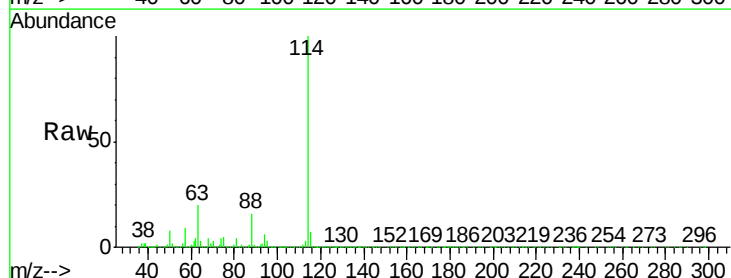
Tgt Ion: 114 Resp: 856402

Ion Ratio Lower Upper

114 100

63 20.4 0.0 40.8

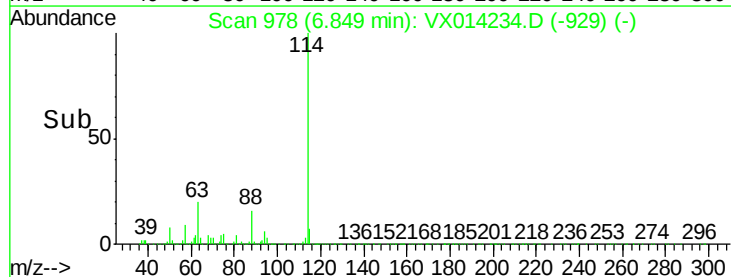
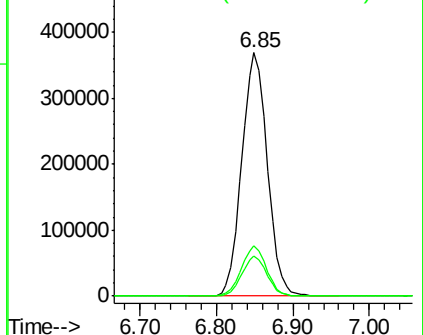
88 16.3 0.0 30.4

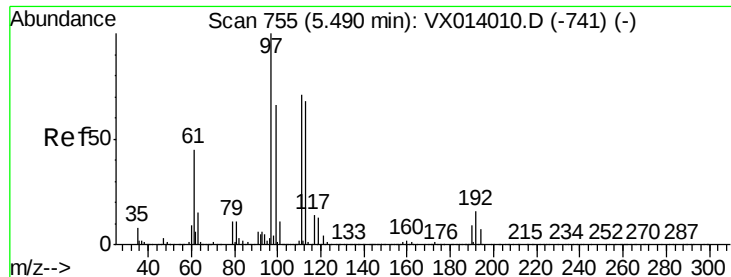


Abundance Ion 113.90 (113.60 to 114.60): V

Ion 63.00 (62.70 to 63.70): VX0

Ion 87.90 (87.60 to 88.60): VX0





#35

Dibromofluoromethane

Concen: 49.220 ug/l

RT: 5.49 min Scan# 755

Delta R.T. -0.00 min

Lab File: VX014234.D

Acq: 24 Dec 2019 10:32

Instrument :

MSVOA_X

ClientSampleId :

VX1224WBL01

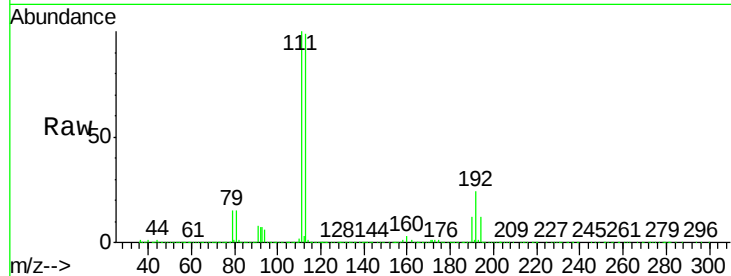
Tgt Ion:113 Resp: 256240

Ion Ratio Lower Upper

113 100

111 102.6 82.0 123.0

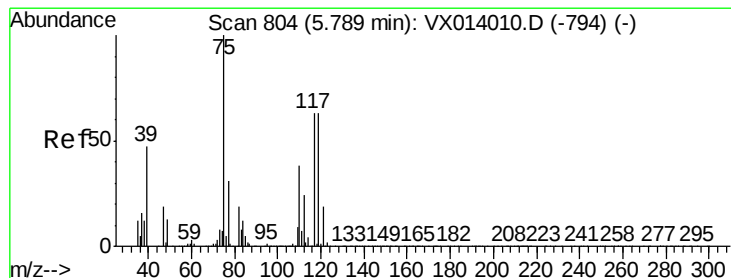
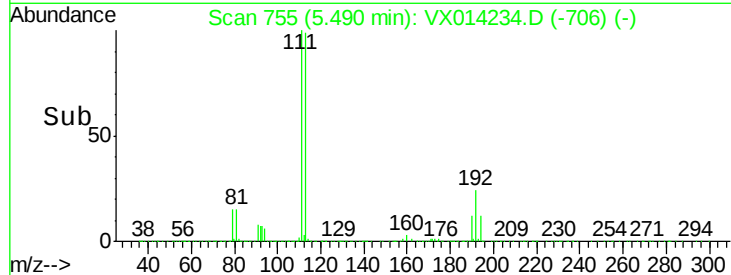
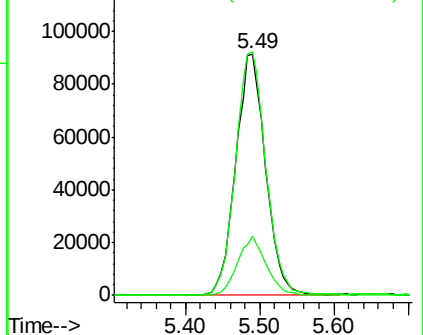
192 23.0 19.3 28.9



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: 4.757 ug/l

RT: 5.65 min Scan# 781

Delta R.T. -0.14 min

Lab File: VX014234.D

Acq: 24 Dec 2019 10:32

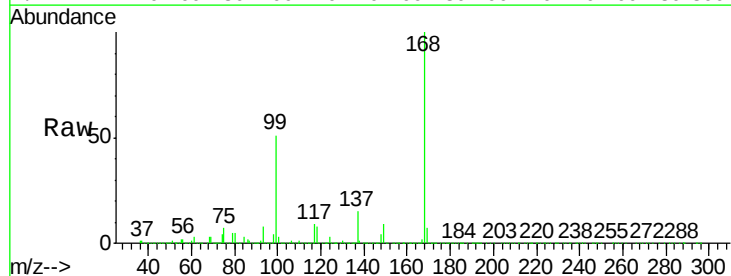
Tgt Ion: 75 Resp: 37381

Ion Ratio Lower Upper

75 100

110 10.6 18.3 54.9#

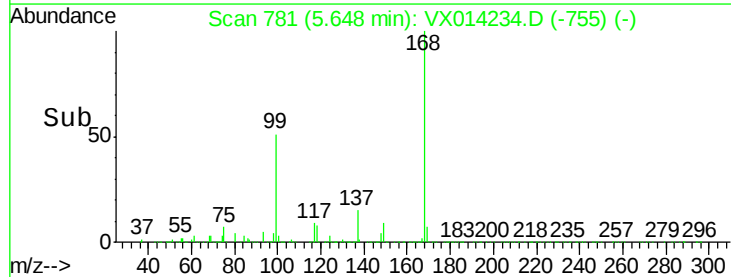
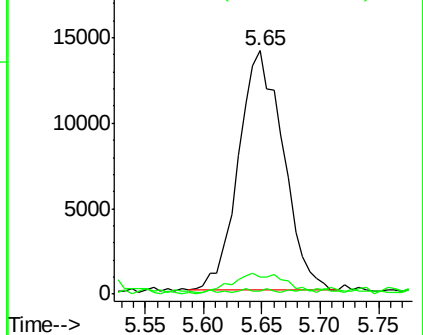
77 0.3 24.8 37.2#

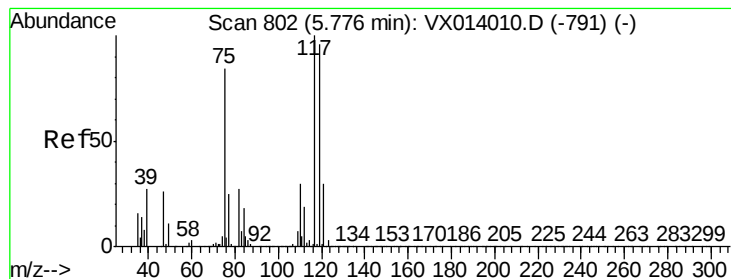


Abundance Ion 74.90 (74.60 to 75.60): VX0

Ion 109.90 (109.60 to 110.60): V

Ion 76.90 (76.60 to 77.60): VX0





#38

Carbon Tetrachloride

Concen: 6.589 ug/l

RT: 5.65 min Scan# 781

Delta R.T. -0.13 min

Lab File: VX014234.D

Acq: 24 Dec 2019 10:32

Instrument :

MSVOA_X

ClientSampleId :

VX1224WBL01

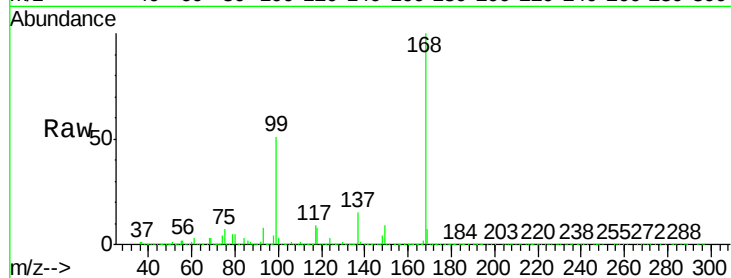
Tgt Ion:117 Resp: 47170

Ion Ratio Lower Upper

117 100

119 4.2 76.2 114.4#

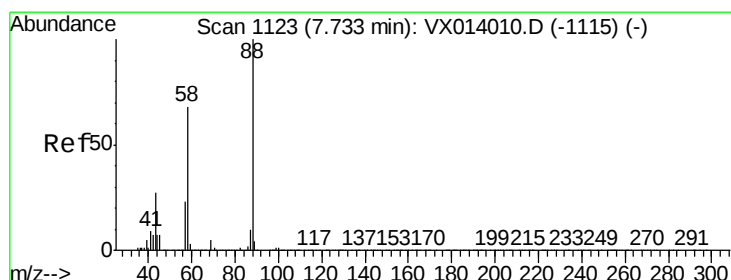
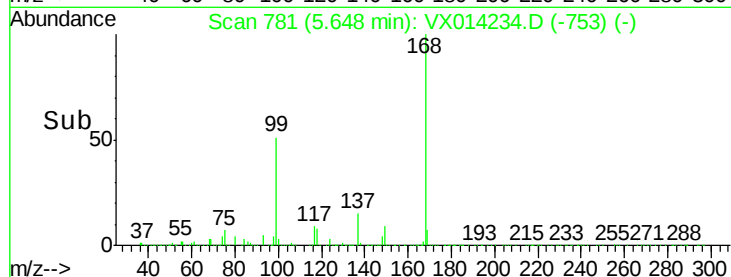
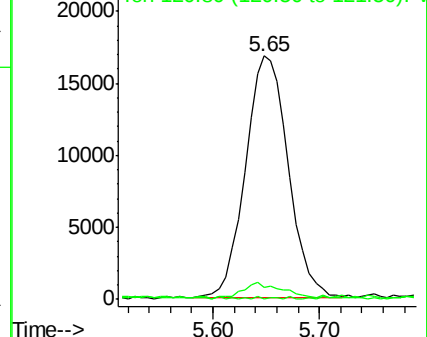
121 0.0 23.6 35.4#



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: 1.097 ug/l

RT: 7.75 min Scan# 1125

Delta R.T. 0.01 min

Lab File: VX014234.D

Acq: 24 Dec 2019 10:32

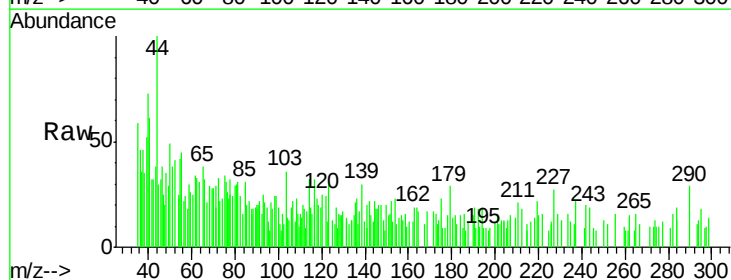
Tgt Ion: 88 Resp: 157

Ion Ratio Lower Upper

88 100

43 221.7 26.5 39.7#

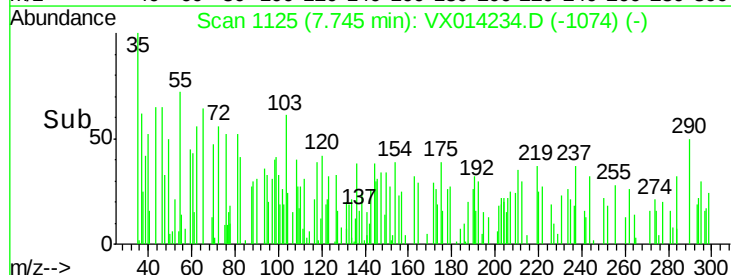
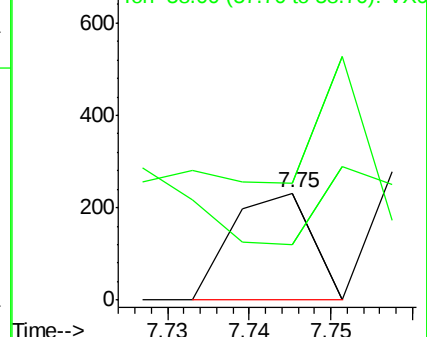
58 302.5 56.8 85.2#

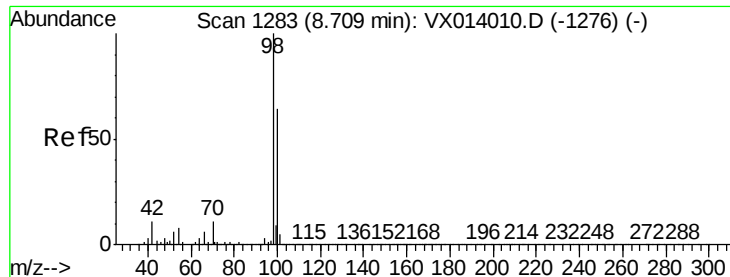


Abundance Ion 88.00 (87.70 to 88.70): VX0

Ion 43.00 (42.70 to 43.70): VX0

Ion 58.00 (57.70 to 58.70): VX0





#50

Toluene-d8

Concen: 50.448 ug/l

RT: 8.71 min Scan# 1283

Delta R.T. -0.00 min

Lab File: VX014234.D

Acq: 24 Dec 2019 10:32

Instrument :

MSVOA_X

ClientSampleId :

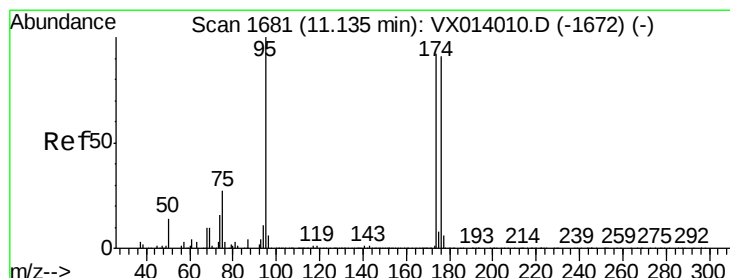
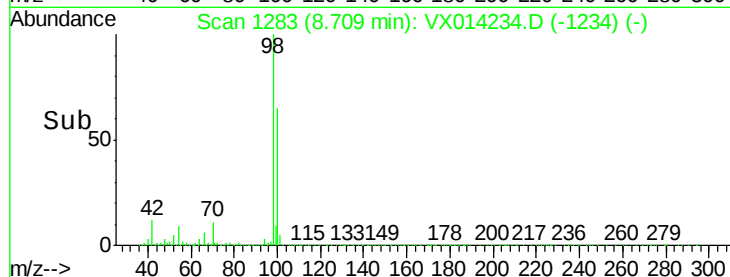
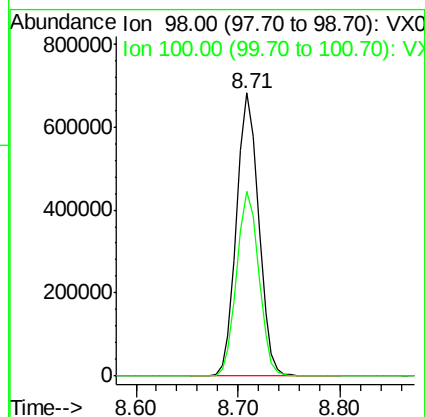
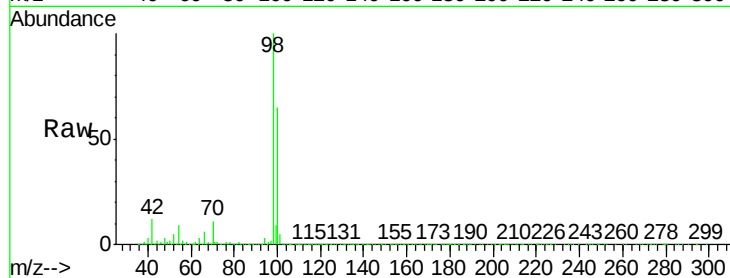
VX1224WBL01

Tgt Ion: 98 Resp: 1022478

Ion Ratio Lower Upper

98 100

100 65.3 52.9 79.3



#62

4-Bromofluorobenzene

Concen: 46.867 ug/l

RT: 11.13 min Scan# 1680

Delta R.T. -0.01 min

Lab File: VX014234.D

Acq: 24 Dec 2019 10:32

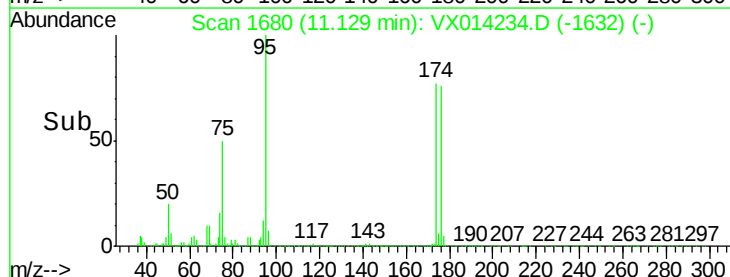
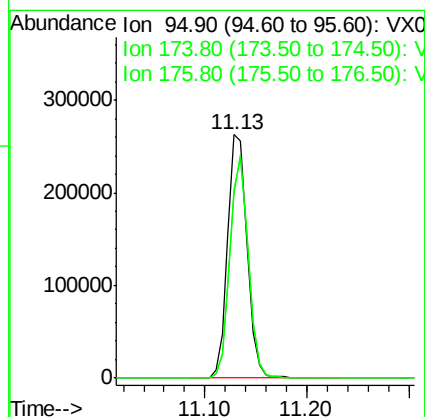
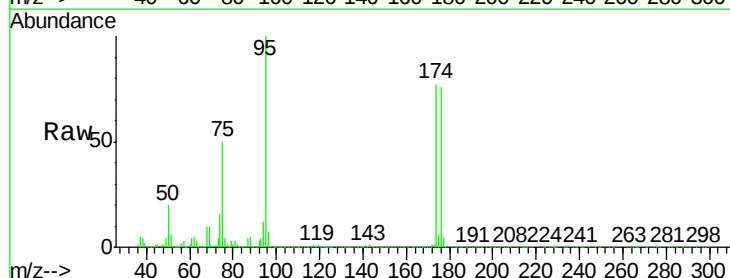
Tgt Ion: 95 Resp: 347235

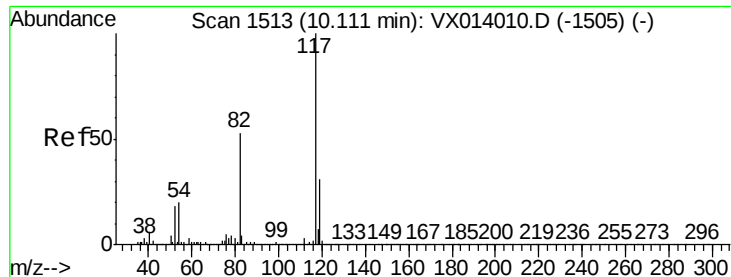
Ion Ratio Lower Upper

95 100

174 85.9 0.0 175.8

176 85.4 0.0 173.0

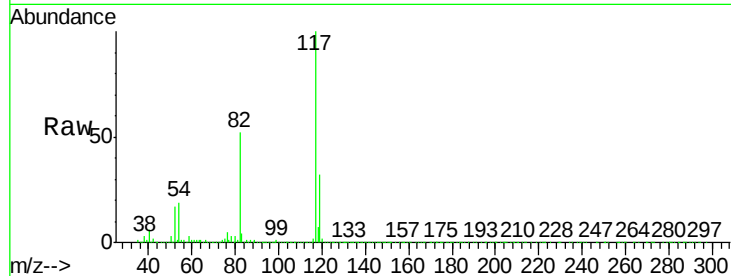




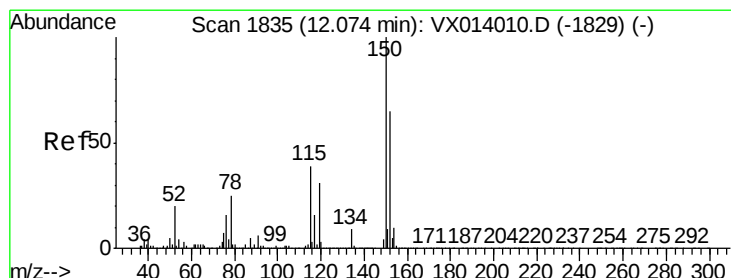
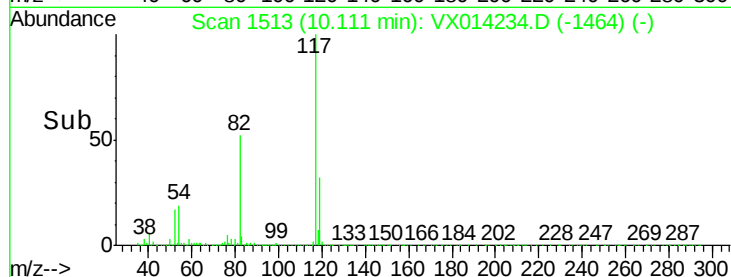
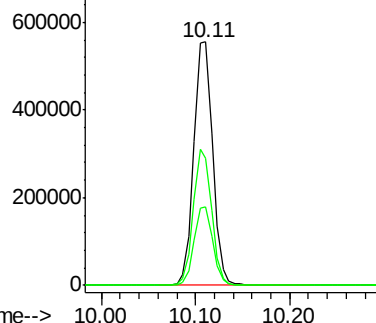
#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 10.11 min Scan# 1513
Delta R.T. -0.00 min
Lab File: VX014234.D
Acq: 24 Dec 2019 10:32

Instrument :
MSVOA_X
ClientSampleId :
VX1224WBL01

Tgt Ion:117 Resp: 773822
Ion Ratio Lower Upper
117 100
82 52.3 42.2 63.4
119 32.2 25.1 37.7

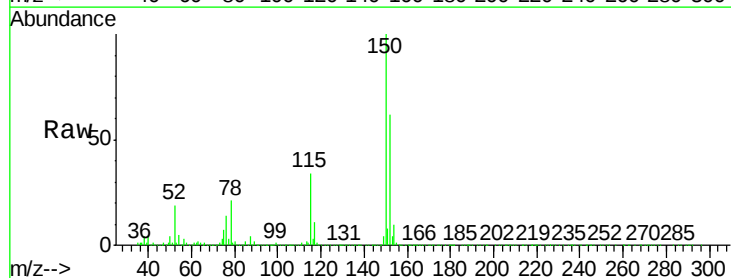


Abundance Ion 116.90 (116.60 to 117.60): V
Ion 82.00 (81.70 to 82.70): V
Ion 118.90 (118.60 to 119.60): V

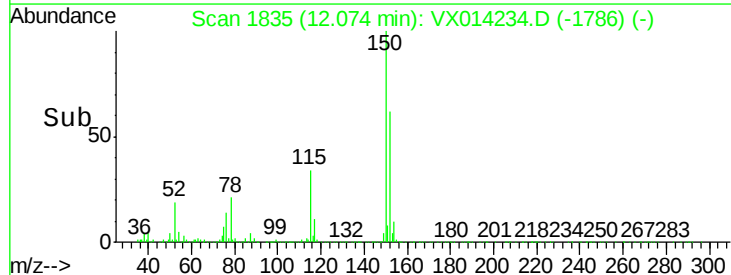
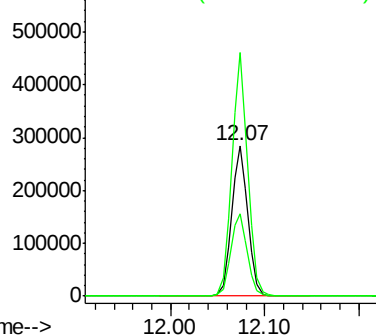


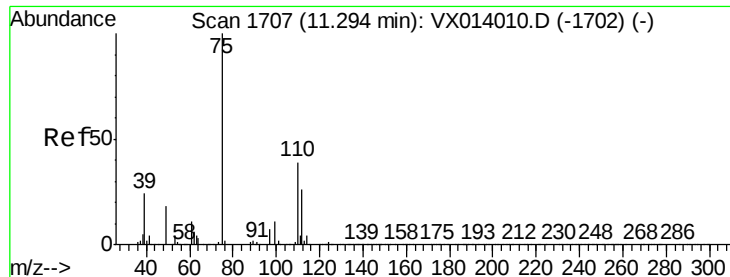
#72
1,4-Dichlorobenzene-d4
Concen: 50.000 ug/l
RT: 12.07 min Scan# 1835
Delta R.T. -0.00 min
Lab File: VX014234.D
Acq: 24 Dec 2019 10:32

Tgt Ion:152 Resp: 345231
Ion Ratio Lower Upper
152 100
115 55.9 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: 22.570 ug/l

RT: 11.13 min Scan# 1680

Delta R.T. -0.16 min

Lab File: VX014234.D

Acq: 24 Dec 2019 10:32

Instrument :

MSVOA_X

ClientSampled :

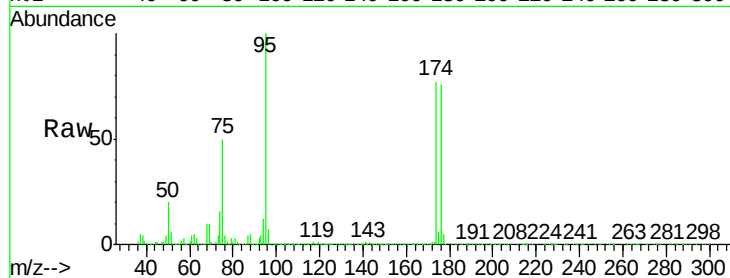
VX1224WBL01

Tgt Ion: 75 Resp: 169162

Ion Ratio Lower Upper

75 100

77 1.6 19.3 57.8#



Abundance Ion 74.90 (74.60 to 75.60): VX0

Ion 77.00 (76.70 to 77.70): VX0

11.13

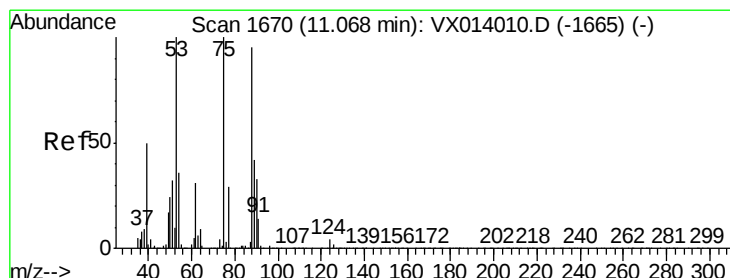
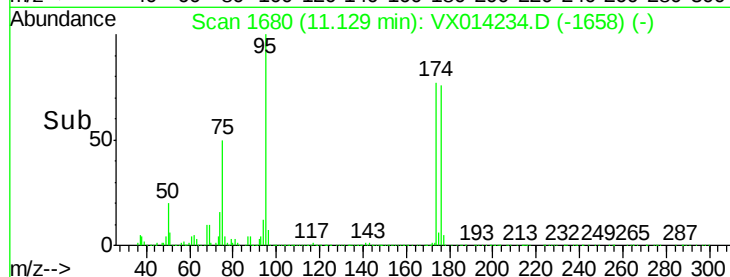
150000

100000

50000

0

Time-->



#81

trans-1,4-Dichloro-2-butene

Concen: 63.705 ug/l

RT: 11.13 min Scan# 1680

Delta R.T. 0.06 min

Lab File: VX014234.D

Acq: 24 Dec 2019 10:32

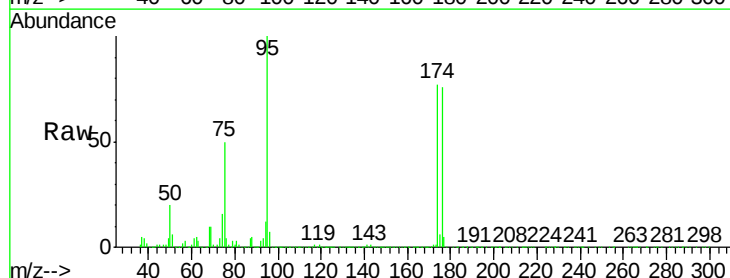
Tgt Ion: 75 Resp: 169162

Ion Ratio Lower Upper

75 100

53 0.2 76.7 115.1#

89 0.5 34.6 51.8#



Abundance Ion 74.90 (74.60 to 75.60): VX0

Ion 53.00 (52.70 to 53.70): VX0

Ion 88.90 (88.60 to 89.60): VX0

11.13

150000

100000

50000

0

Time-->

