

Data Path : Z:\VOASRV\HPCHEM1\MSVOA_X\DATA\VX122319\
 Data File : VX014207.D
 Acq On : 23 Dec 2019 17:09
 Operator : JC/SP
 Sample : K6401-07
 Misc : 5.0mL/MSVOA_X/WATER
 ALS Vial : 18 Sample Multiplier: 1

Instrument :
 MSVOA_X
 ClientSampleId :
 C0B53

Quant Time: Dec 24 01:32:04 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	578091	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	6.85	114	885499	50.00	ug/l	0.00
63) Chlorobenzene-d5	10.11	117	791377	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	12.07	152	351794	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	315703	48.19	ug/l	0.00
Spiked Amount			Recovery	=	96.38%	
35) Dibromofluoromethane	5.49	113	264812	49.20	ug/l	0.00
Spiked Amount			Recovery	=	98.40%	
50) Toluene-d8	8.71	98	1039598	49.61	ug/l	0.00
Spiked Amount			Recovery	=	99.22%	
62) 4-Bromofluorobenzene	11.14	95	353698	46.17	ug/l	0.00
Spiked Amount			Recovery	=	92.34%	

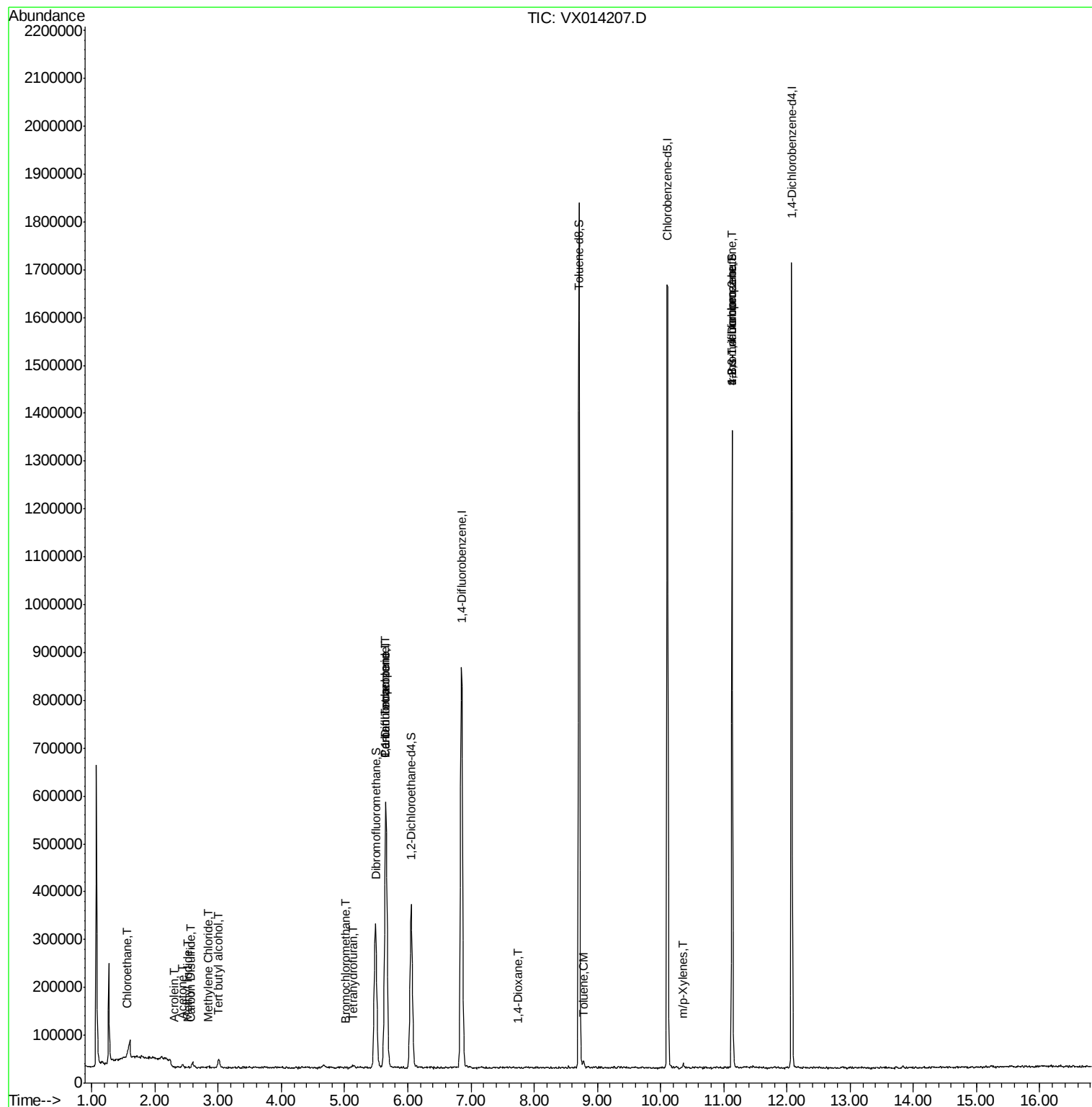
Target Compounds	R.T.	QIon	Response	Conc	Units	Qvalue
6) Chloroethane	1.56	64	4323	0.956	ug/l #	49
10) Methyl Iodide	2.51	142	533	2.691	ug/l #	48
11) Tert butyl alcohol	3.01	59	11519	8.137	ug/l #	79
13) Acrolein	2.30	56	899	1.109	ug/l #	38
16) Acetone	2.43	43	7703	1.811	ug/l	96
17) Carbon Disulfide	2.56	76	961	0.812	ug/l #	56
20) Methylene Chloride	2.84	84	1513	0.226	ug/l #	73
28) Bromochloromethane	5.02	49	334	0.532	ug/l #	47
29) Tetrahydrofuran	5.13	42	6508	2.219	ug/l #	82
36) 1,1-Dichloropropene	5.65	75	39395	4.849	ug/l #	51
38) Carbon Tetrachloride	5.65	117	50535	6.827	ug/l #	17
49) 1,4-Dioxane	7.73	88	92	0.622	ug/l #	1
52) Toluene	8.78	92	5761	0.365	ug/l	95
68) m/p-Xylenes	10.35	106	2411	0.217	ug/l #	72
76) 1,2,3-Trichloropropane	11.13	75	172366	22.569	ug/l #	39
81) trans-1,4-Dichloro-2-buten	11.13	75	172366	63.701	ug/l #	12

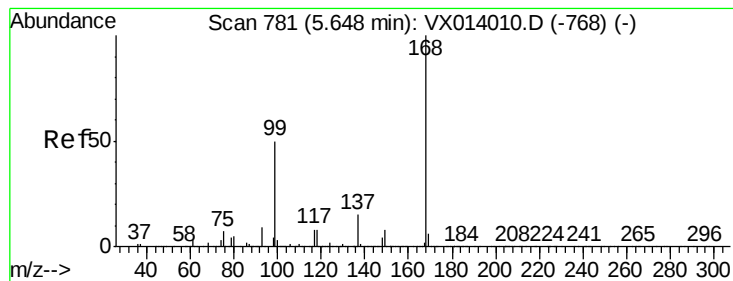
(#) = qualifier out of range (m) = manual integration (+) = signals summed

Data Path : Z:\V0ASRV\HPCHEM1\MSVOA_X\DATA\VX122319\
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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: VX014207.D

Acq: 23 Dec 2019 17:09

Instrument :

MSVOA_X

ClientSampleId :

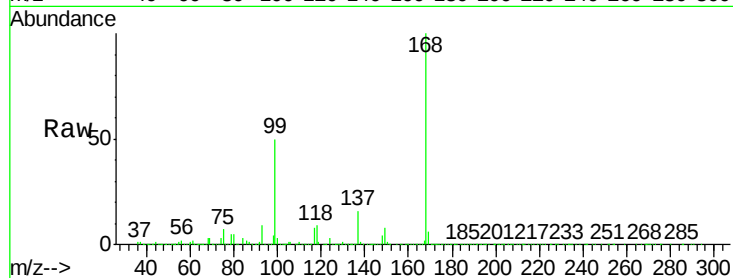
C0B53

Tgt Ion:168 Resp: 578091

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

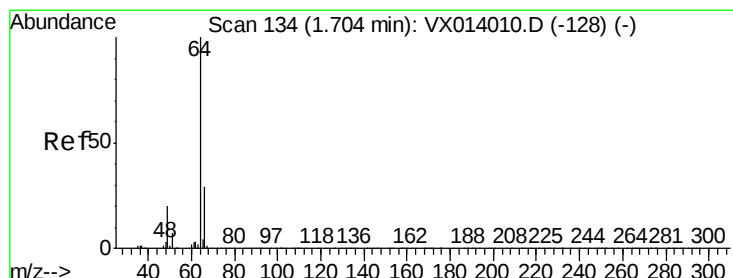
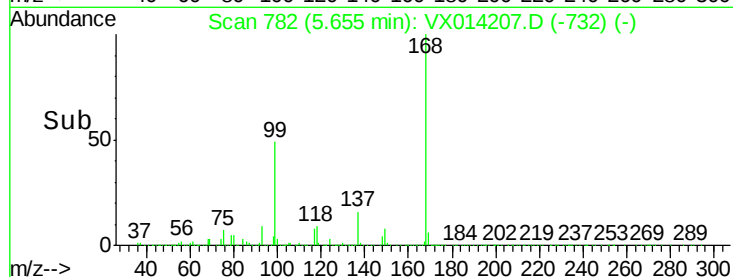
150000

100000

50000

0

Time-->



#6

Chloroethane

Concen: 0.956 ug/l

RT: 1.56 min Scan# 110

Delta R.T. -0.15 min

Lab File: VX014207.D

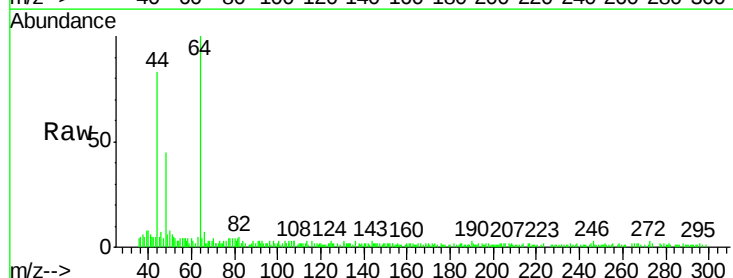
Acq: 23 Dec 2019 17:09

Tgt Ion: 64 Resp: 4323

Ion Ratio Lower Upper

64 100

66 1.8 23.4 35.2#



Abundance Ion 63.90 (63.60 to 64.60): VX0

Ion 65.90 (65.60 to 66.60): VX0

1.56

8000

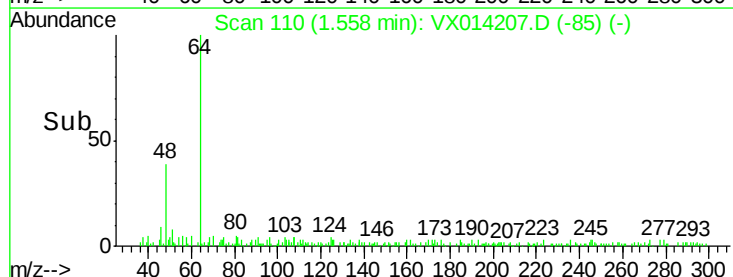
6000

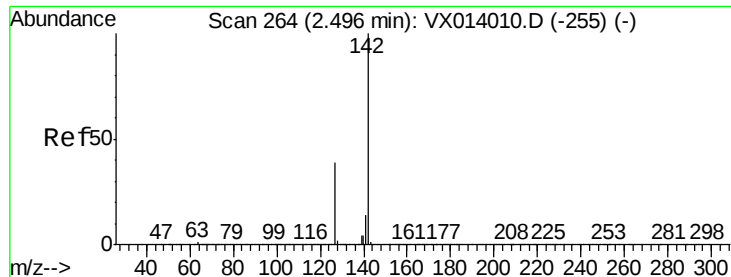
4000

2000

0

Time-->

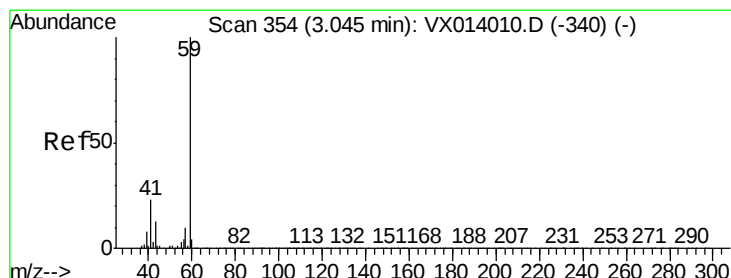
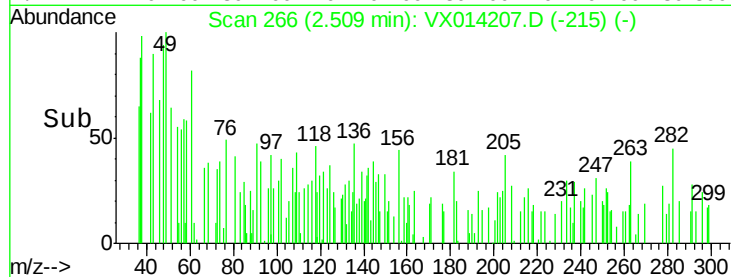
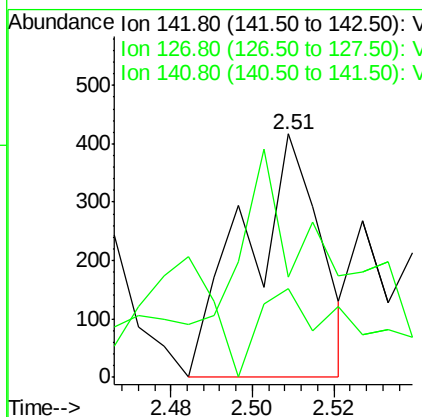
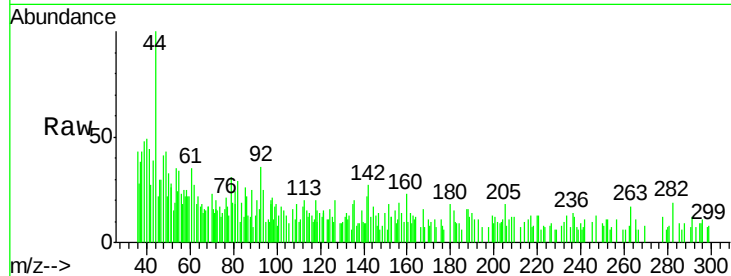




#10
Methyl Iodide
Concen: 2.691 ug/l
RT: 2.51 min Scan# 266
Delta R.T. 0.01 min
Lab File: VX014207.D
Acq: 23 Dec 2019 17:09

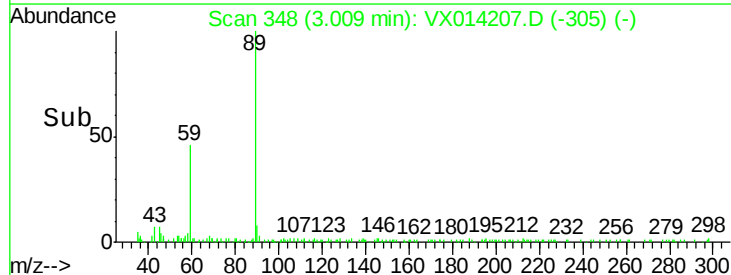
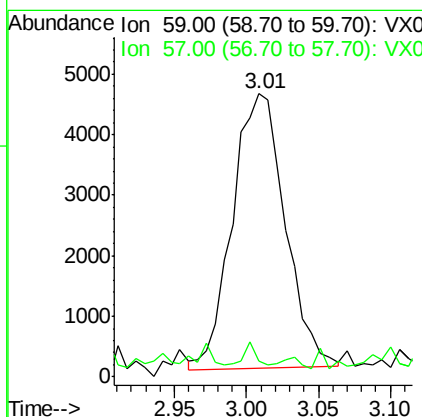
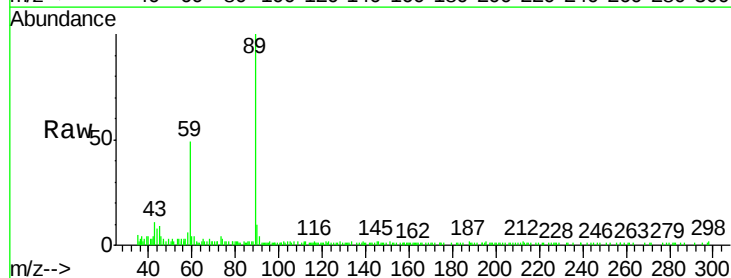
Instrument :
MSVOA_X
ClientSampleId :
C0B53

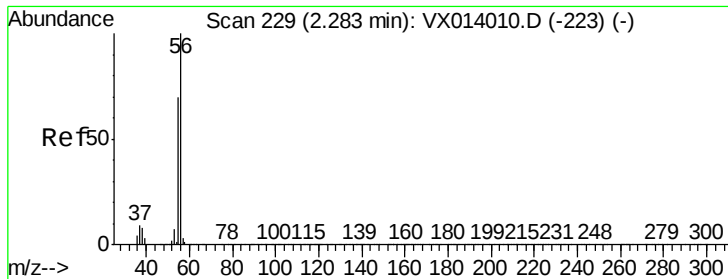
Tgt Ion: 142 Resp: 533
Ion Ratio Lower Upper
142 100
127 64.9 31.6 47.4#
141 48.0 11.6 17.4#



#11
Tert butyl alcohol
Concen: 8.137 ug/l
RT: 3.01 min Scan# 348
Delta R.T. -0.04 min
Lab File: VX014207.D
Acq: 23 Dec 2019 17:09

Tgt Ion: 59 Resp: 11519
Ion Ratio Lower Upper
59 100
57 2.8 8.4 12.6#





#13

Acrolein

Concen: 1.109 ug/l

RT: 2.30 min Scan# 231

Delta R.T. 0.01 min

Lab File: VX014207.D

Acq: 23 Dec 2019 17:09

Instrument :

MSVOA_X

ClientSampled :

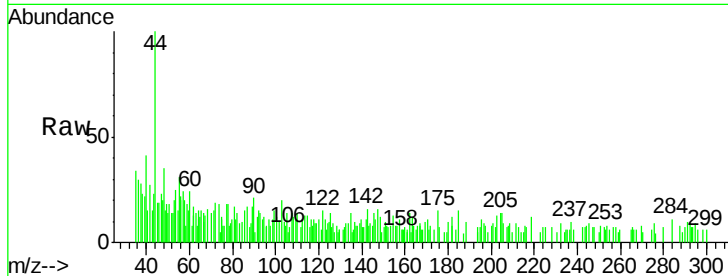
C0B53

Tgt Ion: 56 Resp: 899

Ion Ratio Lower Upper

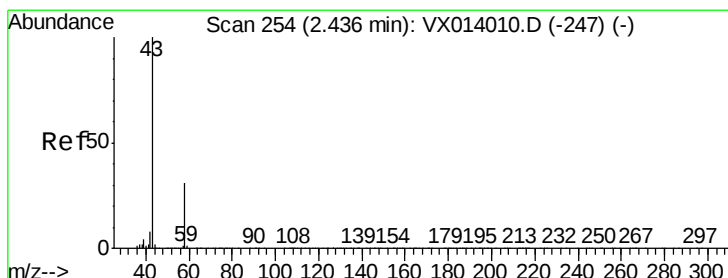
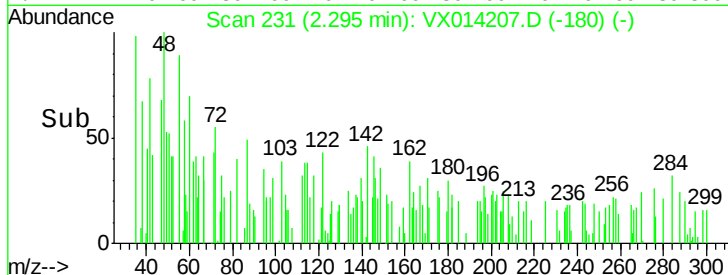
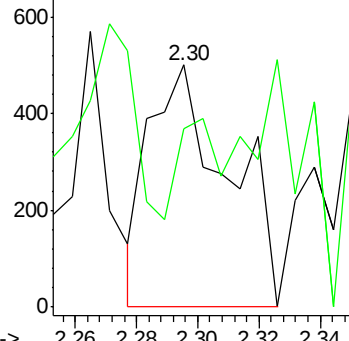
56 100

55 19.9 56.9 85.3#



Abundance Ion 56.00 (55.70 to 56.70): VX0

Ion 55.00 (54.70 to 55.70): VX0



#16

Acetone

Concen: 1.811 ug/l

RT: 2.43 min Scan# 253

Delta R.T. -0.01 min

Lab File: VX014207.D

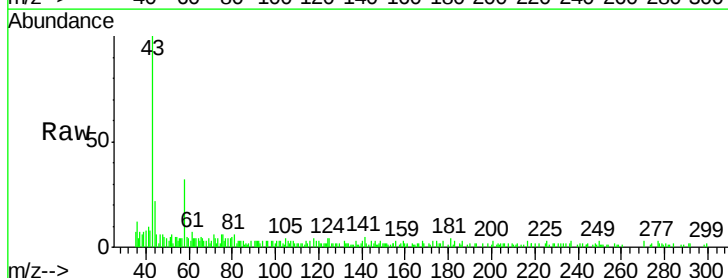
Acq: 23 Dec 2019 17:09

Tgt Ion: 43 Resp: 7703

Ion Ratio Lower Upper

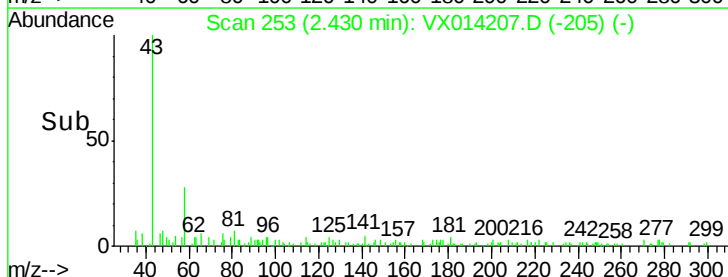
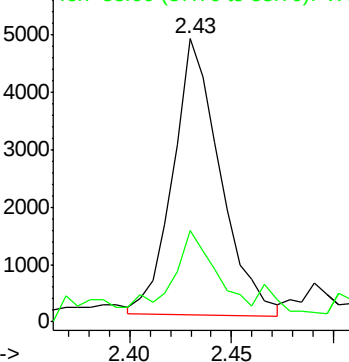
43 100

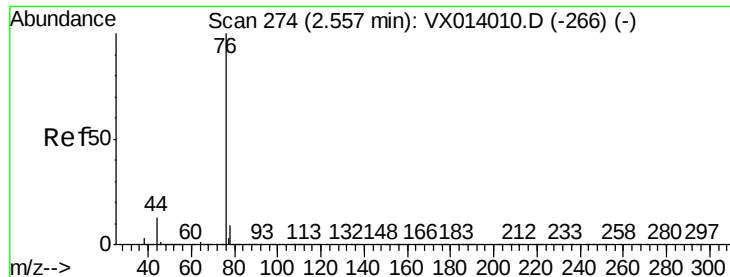
58 28.9 24.9 37.3



Abundance Ion 43.00 (42.70 to 43.70): VX0

Ion 58.00 (57.70 to 58.70): VX0





#17

Carbon Disulfide

Concen: 0.812 ug/l

RT: 2.56 min Scan# 275

Delta R.T. 0.01 min

Lab File: VX014207.D

Acq: 23 Dec 2019 17:09

Instrument :

MSVOA_X

ClientSampleId :

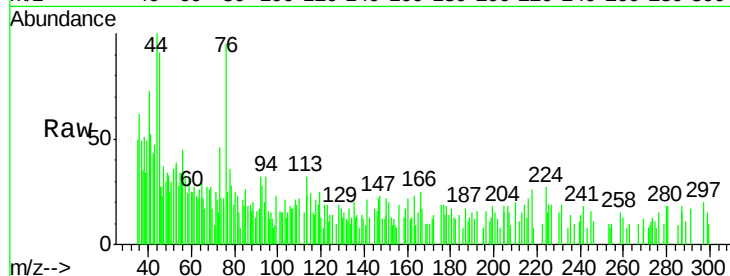
C0B53

Tgt Ion: 76 Resp: 961

Ion Ratio Lower Upper

76 100

78 25.0 7.2 10.8#



Abundance Ion 75.90 (75.60 to 76.60): VX0

Ion 77.90 (77.60 to 78.60): VX0

2.56

600

400

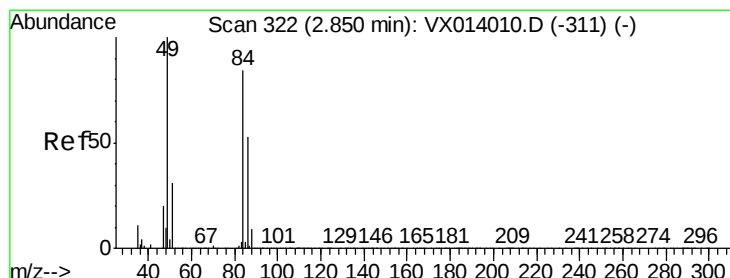
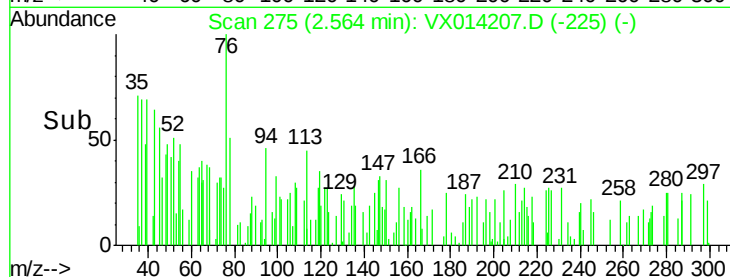
200

0

2.55

2.60

Time-->



#20

Methylene Chloride

Concen: 0.226 ug/l

RT: 2.84 min Scan# 320

Delta R.T. -0.01 min

Lab File: VX014207.D

Acq: 23 Dec 2019 17:09

Tgt Ion: 84 Resp: 1513

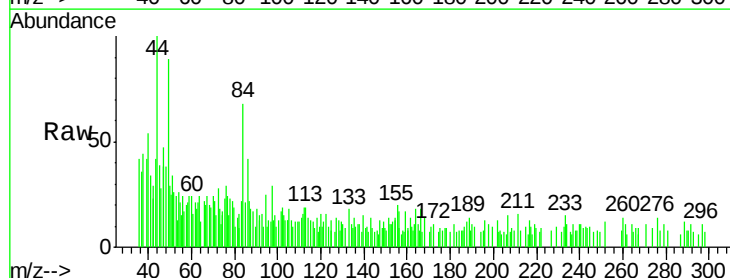
Ion Ratio Lower Upper

84 100

49 148.2 95.8 143.6#

51 0.0 29.8 44.8#

86 69.8 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

1500

1000

500

0

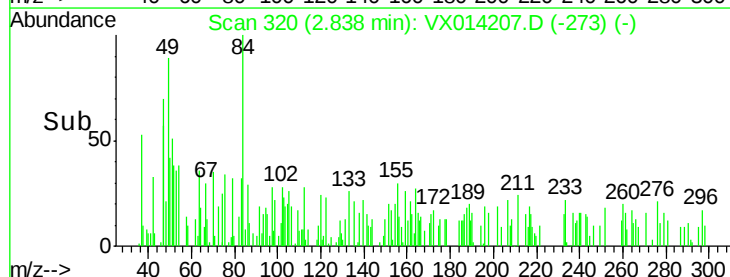
2.75

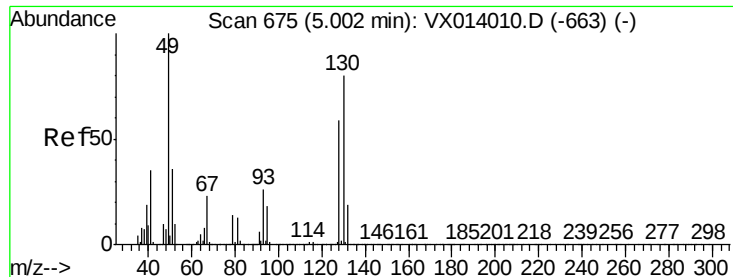
2.80

2.85

2.90

Time-->





#28

Bromochloromethane

Concen: 0.532 ug/l

RT: 5.02 min Scan# 678

Delta R.T. 0.02 min

Lab File: VX014207.D

Acq: 23 Dec 2019 17:09

Instrument :

MSVOA_X

ClientSampleId :

C0B53

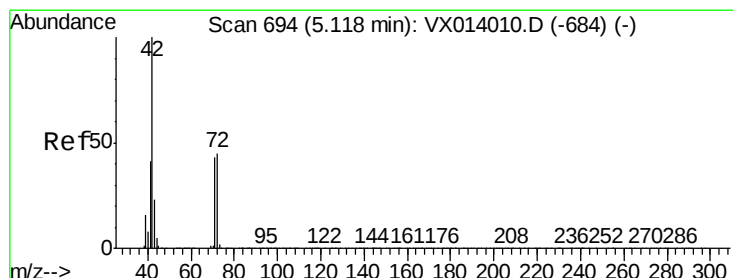
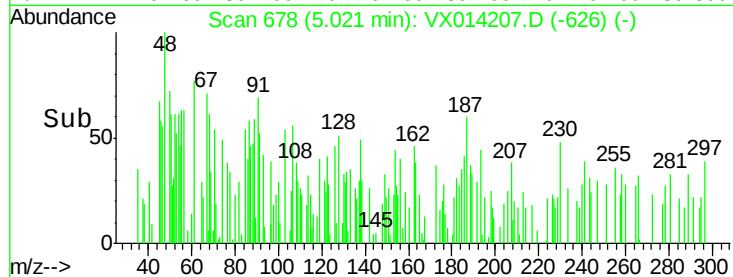
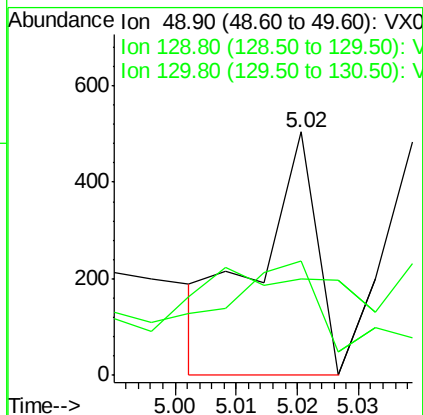
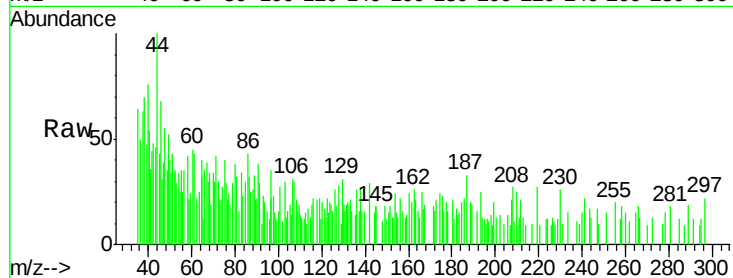
Tgt Ion: 49 Resp: 334

Ion Ratio Lower Upper

49 100

129 103.6 0.0 5.0#

130 120.7 64.6 97.0#



#29

Tetrahydrofuran

Concen: 2.219 ug/l

RT: 5.13 min Scan# 696

Delta R.T. 0.01 min

Lab File: VX014207.D

Acq: 23 Dec 2019 17:09

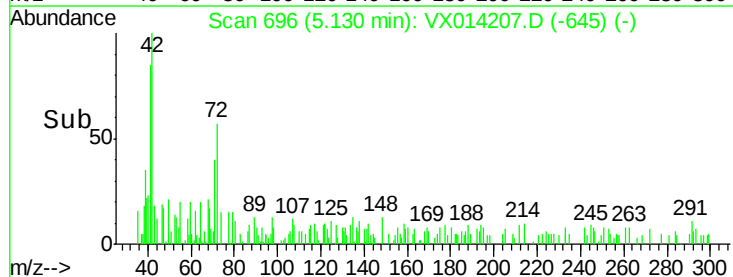
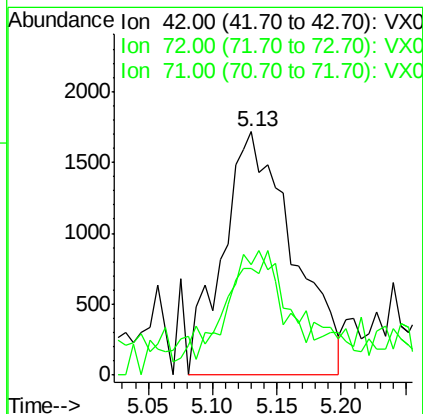
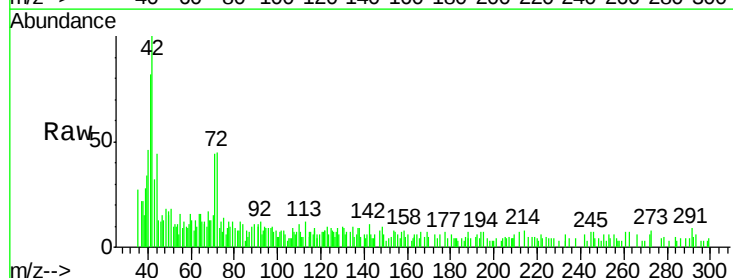
Tgt Ion: 42 Resp: 6508

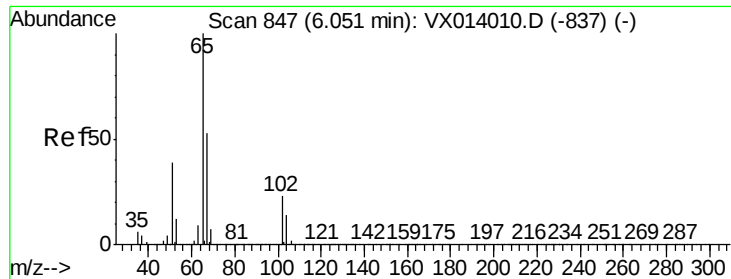
Ion Ratio Lower Upper

42 100

72 38.1 35.8 53.8

71 25.8 33.6 50.4#

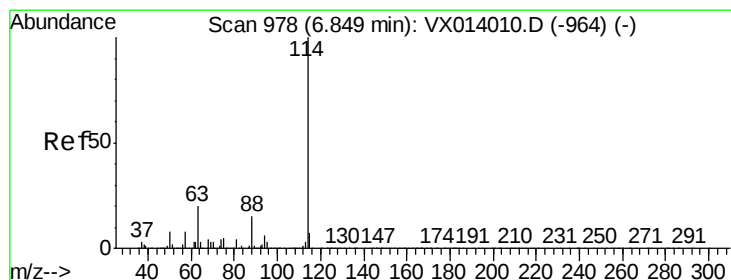
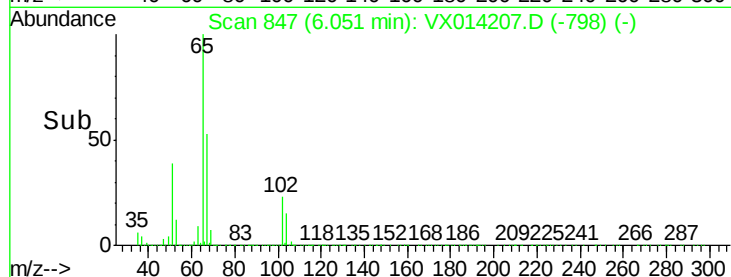
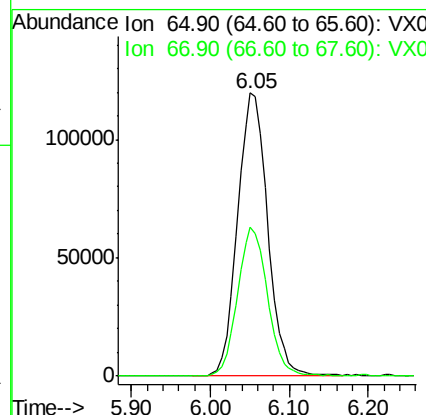
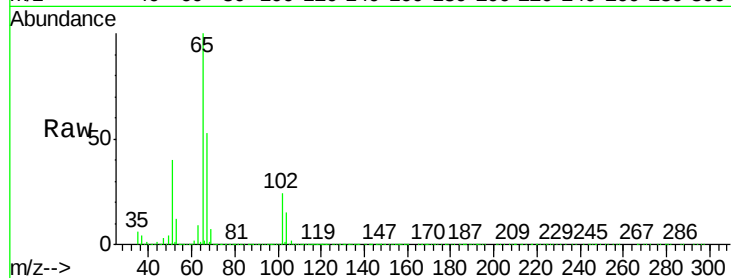




#33
 1,2-Dichloroethane-d4
 Concen: 48.185 ug/l
 RT: 6.05 min Scan# 847
 Delta R.T. 0.00 min
 Lab File: VX014207.D
 Acq: 23 Dec 2019 17:09

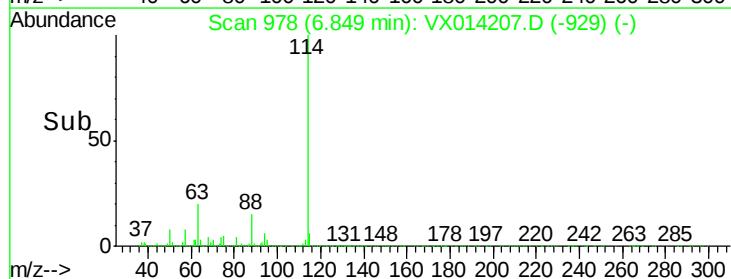
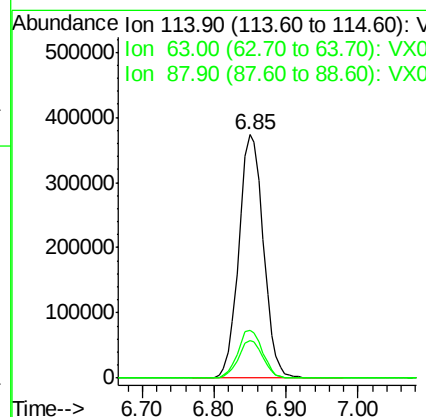
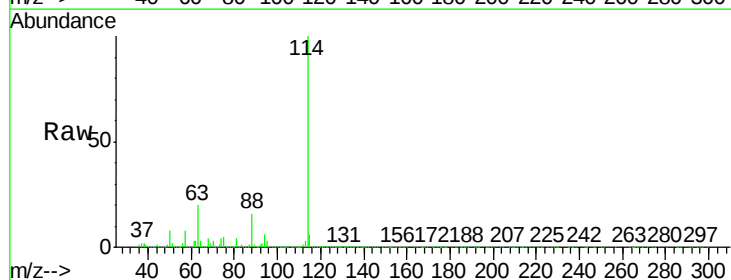
Instrument :
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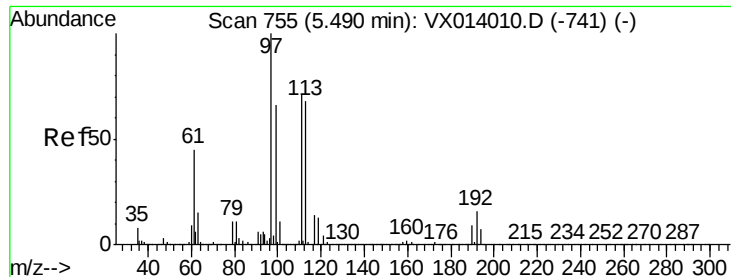
Tgt Ion: 65 Resp: 315703
 Ion Ratio Lower Upper
 65 100
 67 52.0 0.0 106.4



#34
 1,4-Difluorobenzene
 Concen: 50.000 ug/l
 RT: 6.85 min Scan# 978
 Delta R.T. 0.00 min
 Lab File: VX014207.D
 Acq: 23 Dec 2019 17:09

Tgt Ion: 114 Resp: 885499
 Ion Ratio Lower Upper
 114 100
 63 19.8 0.0 40.8
 88 15.5 0.0 30.4





#35

Dibromofluoromethane

Concen: 49.195 ug/l

RT: 5.49 min Scan# 755

Delta R.T. 0.00 min

Lab File: VX014207.D

Acq: 23 Dec 2019 17:09

Instrument :

MSVOA_X

ClientSampleId :

C0B53

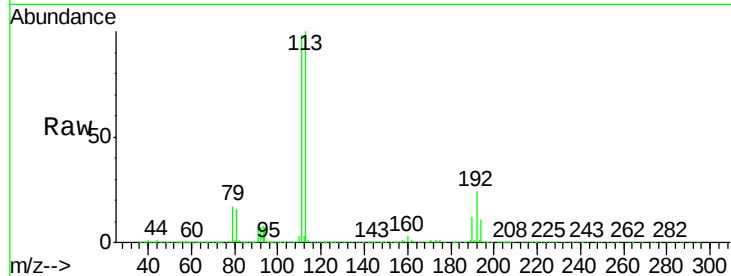
Tgt Ion:113 Resp: 264812

Ion Ratio Lower Upper

113 100

111 100.7 82.0 123.0

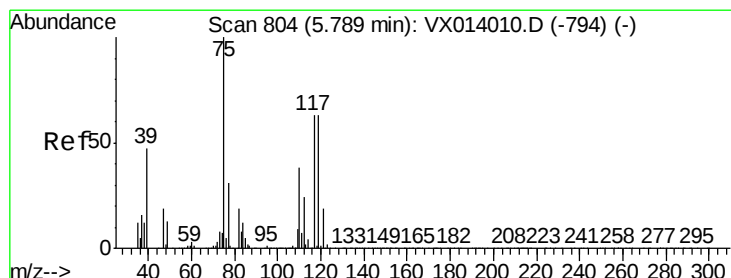
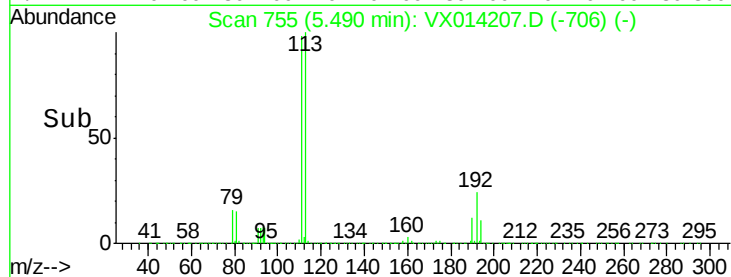
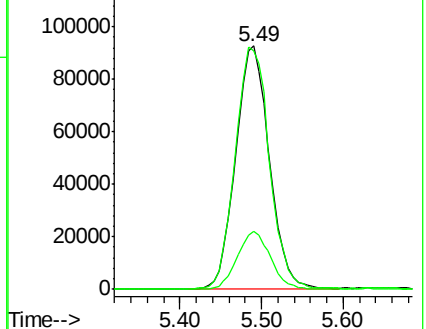
192 23.3 19.3 28.9



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: 4.849 ug/l

RT: 5.65 min Scan# 782

Delta R.T. -0.13 min

Lab File: VX014207.D

Acq: 23 Dec 2019 17:09

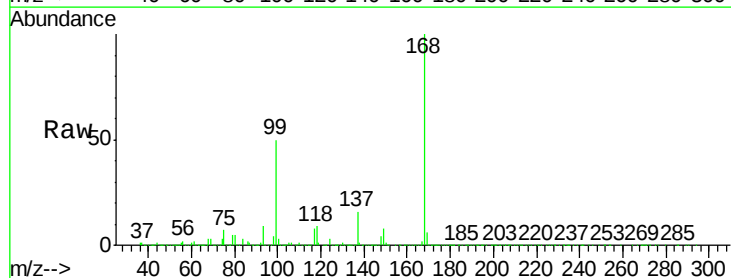
Tgt Ion: 75 Resp: 39395

Ion Ratio Lower Upper

75 100

110 10.8 18.3 54.9#

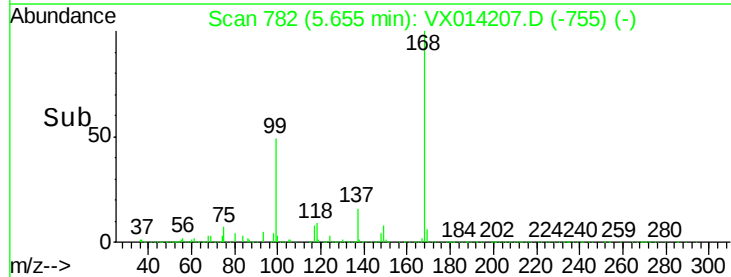
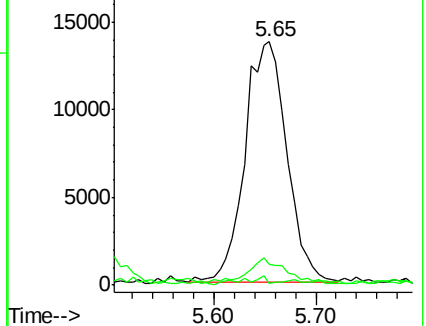
77 0.7 24.8 37.2#

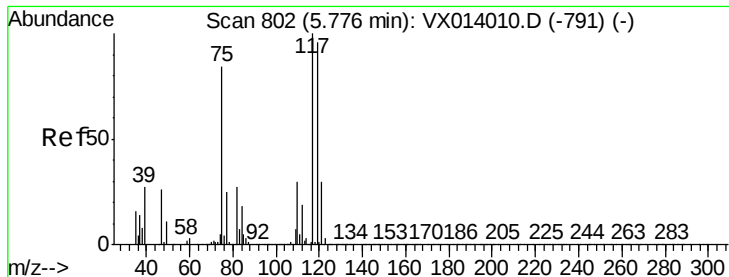


Abundance Ion 74.90 (74.60 to 75.60): VX0

Ion 109.90 (109.60 to 110.60): V

Ion 76.90 (76.60 to 77.60): VX0





#38

Carbon Tetrachloride

Concen: 6.827 ug/l

RT: 5.65 min Scan# 781

Delta R.T. -0.13 min

Lab File: VX014207.D

Acq: 23 Dec 2019 17:09

Instrument :

MSVOA_X

ClientSampleId :

C0B53

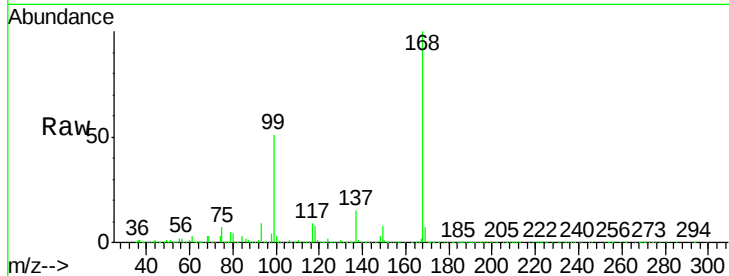
Tgt Ion: 117 Resp: 50535

Ion Ratio Lower Upper

117 100

119 6.5 76.2 114.4#

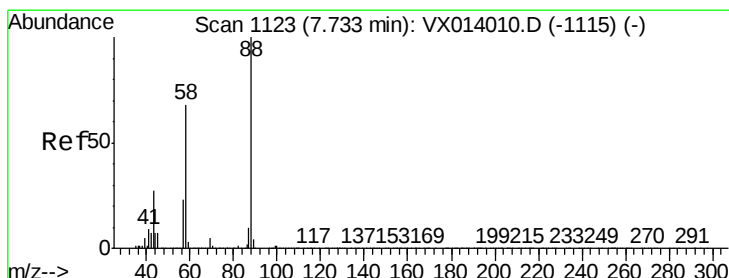
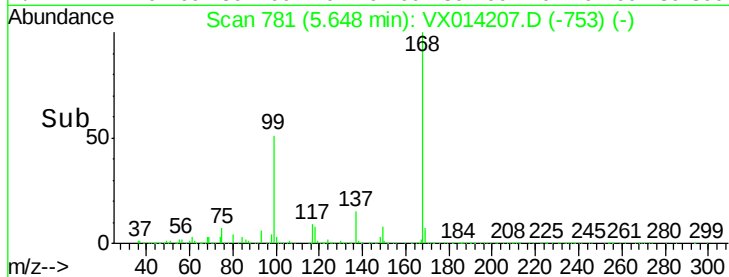
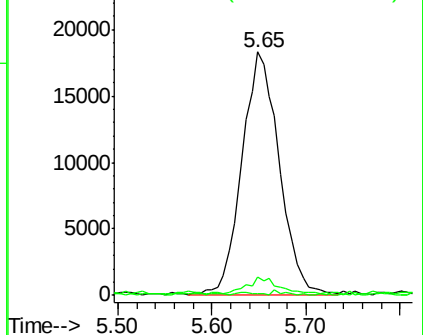
121 0.3 23.6 35.4#



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: 0.622 ug/l

RT: 7.73 min Scan# 1123

Delta R.T. 0.00 min

Lab File: VX014207.D

Acq: 23 Dec 2019 17:09

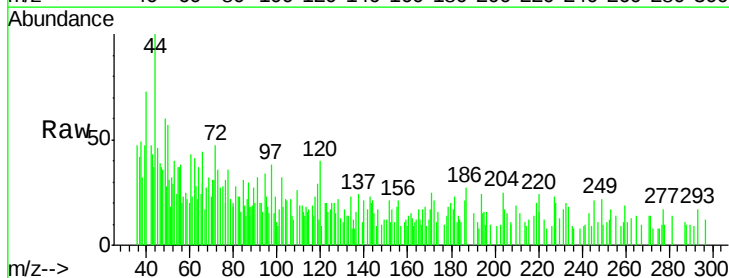
Tgt Ion: 88 Resp: 92

Ion Ratio Lower Upper

88 100

43 409.8 26.5 39.7#

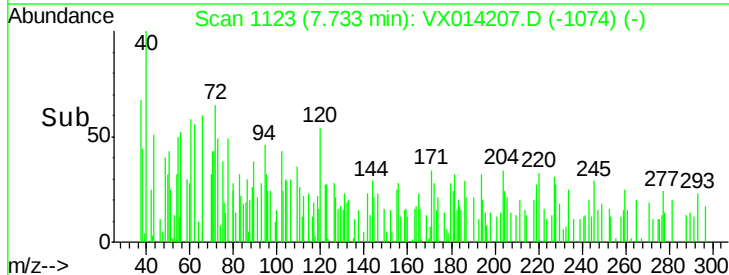
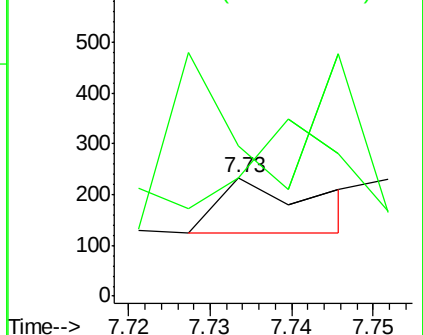
58 307.6 56.8 85.2#

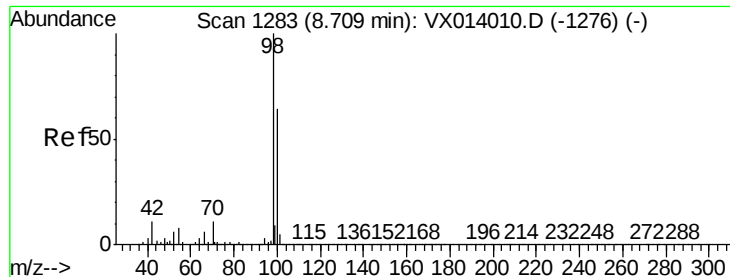


Abundance Ion 88.00 (87.70 to 88.70): VX0

Ion 43.00 (42.70 to 43.70): VX0

Ion 58.00 (57.70 to 58.70): VX0





#50

Toluene-d8

Concen: 49.607 ug/l

RT: 8.71 min Scan# 1283

Delta R.T. 0.00 min

Lab File: VX014207.D

Acq: 23 Dec 2019 17:09

Instrument :

MSVOA_X

ClientSampleId :

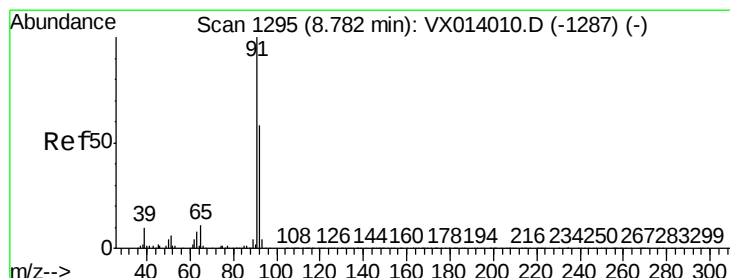
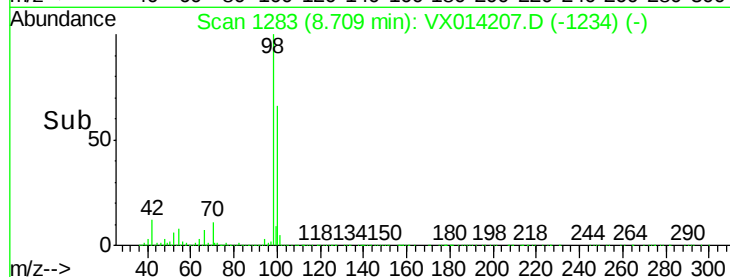
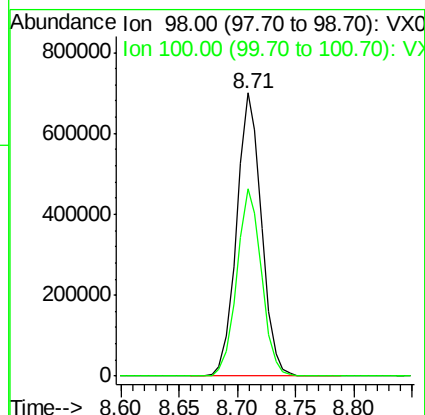
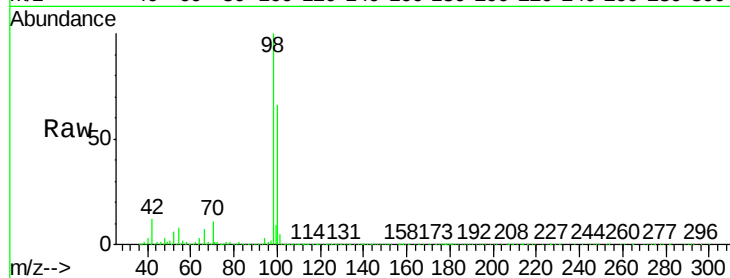
C0B53

Tgt Ion: 98 Resp: 1039598

Ion Ratio Lower Upper

98 100

100 65.8 52.9 79.3



#52

Toluene

Concen: 0.365 ug/l

RT: 8.78 min Scan# 1295

Delta R.T. 0.00 min

Lab File: VX014207.D

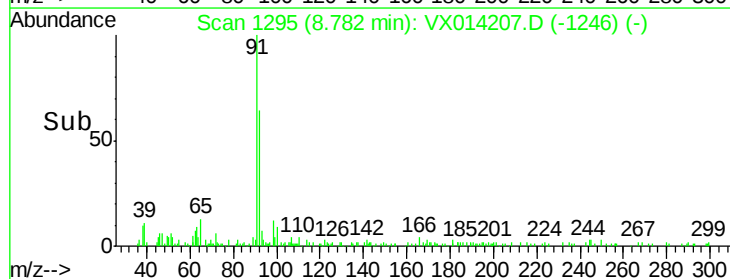
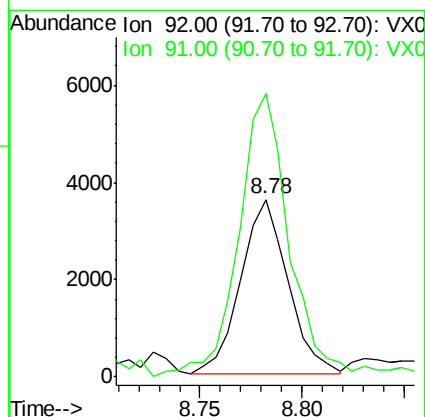
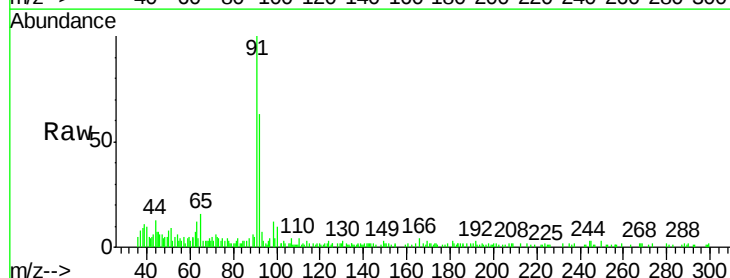
Acq: 23 Dec 2019 17:09

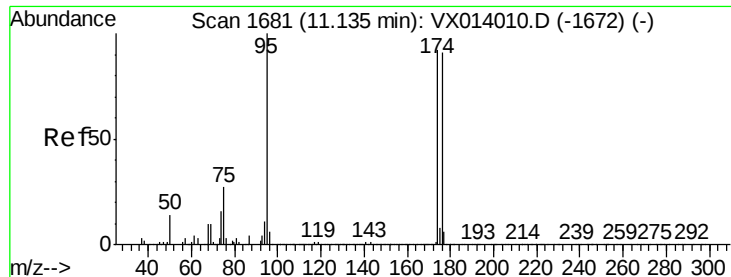
Tgt Ion: 92 Resp: 5761

Ion Ratio Lower Upper

92 100

91 176.9 136.2 204.4





#62

4-Bromofluorobenzene

Concen: 46.171 ug/l

RT: 11.14 min Scan# 1681

Delta R.T. 0.00 min

Lab File: VX014207.D

Acq: 23 Dec 2019 17:09

Instrument :

MSVOA_X

ClientSampleId :

C0B53

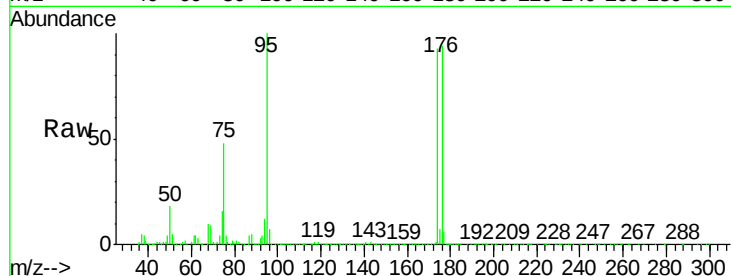
Tgt Ion: 95 Resp: 353698

Ion Ratio Lower Upper

95 100

174 89.2 0.0 175.8

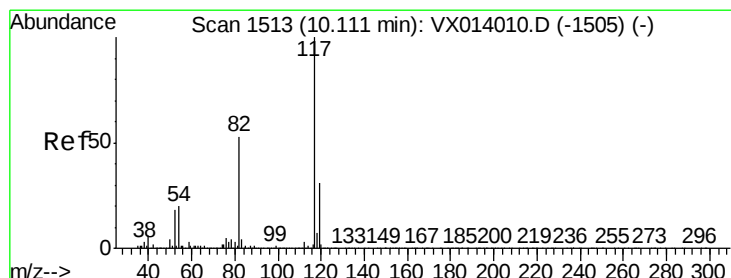
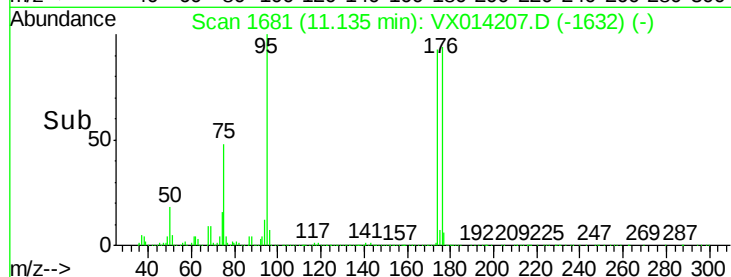
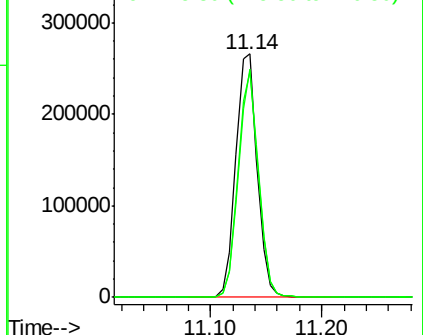
176 86.9 0.0 173.0



Abundance Ion 94.90 (94.60 to 95.60): VX0

Ion 173.80 (173.50 to 174.50): V

Ion 175.80 (175.50 to 176.50): V



#63

Chlorobenzene-d5

Concen: 50.000 ug/l

RT: 10.11 min Scan# 1513

Delta R.T. 0.00 min

Lab File: VX014207.D

Acq: 23 Dec 2019 17:09

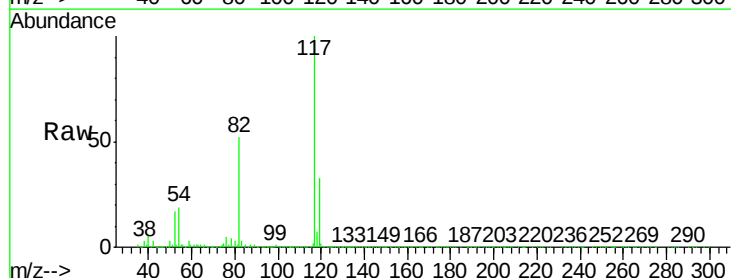
Tgt Ion: 117 Resp: 791377

Ion Ratio Lower Upper

117 100

82 51.8 42.2 63.4

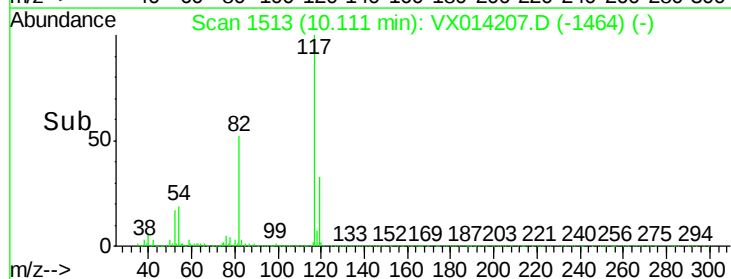
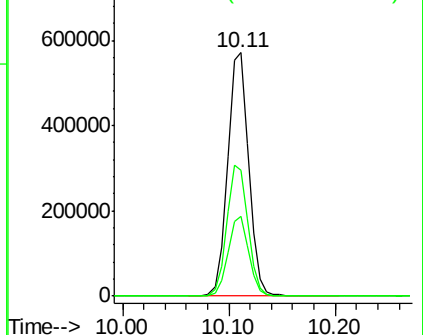
119 32.9 25.1 37.7

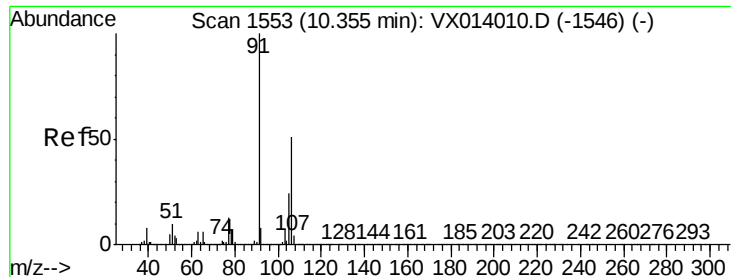


Abundance Ion 116.90 (116.60 to 117.60): V

Ion 82.00 (81.70 to 82.70): VX0

Ion 118.90 (118.60 to 119.60): V





#68

m/p-Xylenes

Concen: 0.217 ug/l

RT: 10.35 min Scan# 1553

Delta R.T. 0.00 min

Lab File: VX014207.D

Acq: 23 Dec 2019 17:09

Instrument :

MSVOA_X

ClientSampleId :

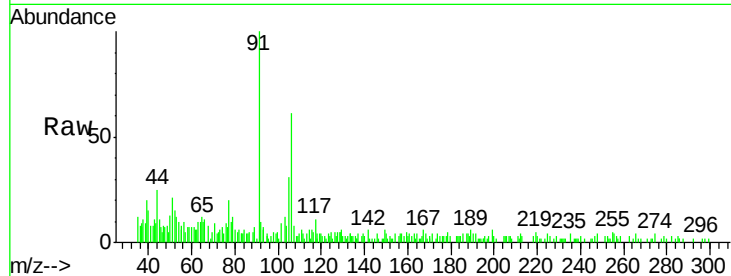
C0B53

Tgt Ion:106 Resp: 2411

Ion Ratio Lower Upper

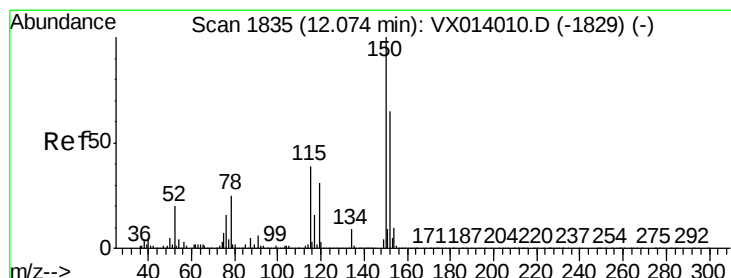
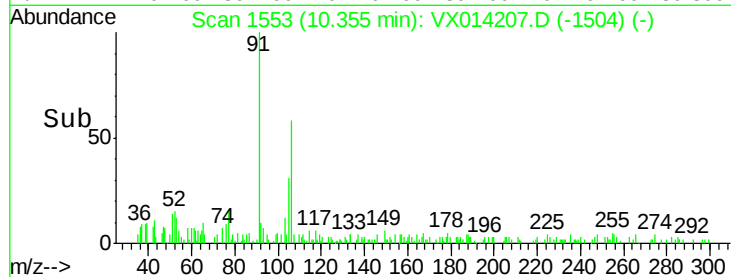
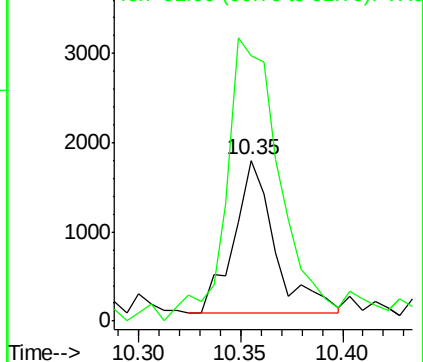
106 100

91 239.9 158.6 238.0#



Abundance Ion 106.00 (105.70 to 106.70): V

Ion 91.00 (90.70 to 91.70): VX0



#72

1,4-Dichlorobenzene-d4

Concen: 50.000 ug/l

RT: 12.07 min Scan# 1835

Delta R.T. 0.00 min

Lab File: VX014207.D

Acq: 23 Dec 2019 17:09

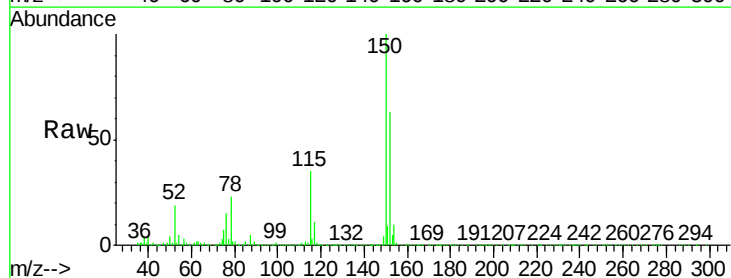
Tgt Ion:152 Resp: 351794

Ion Ratio Lower Upper

152 100

115 55.4 38.3 114.9

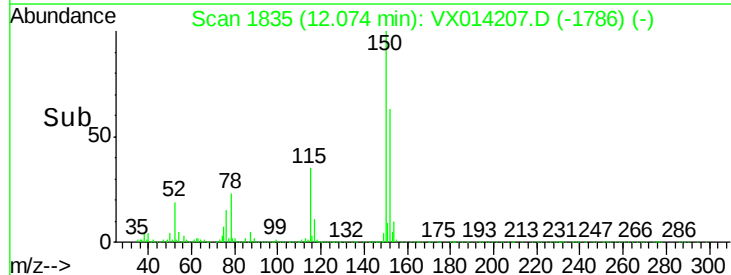
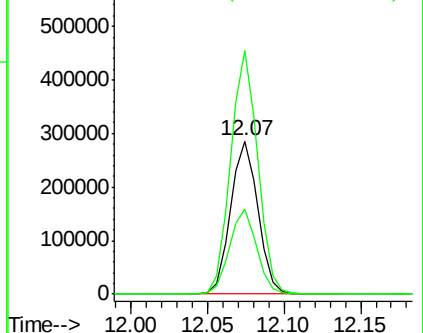
150 157.7 0.0 345.4

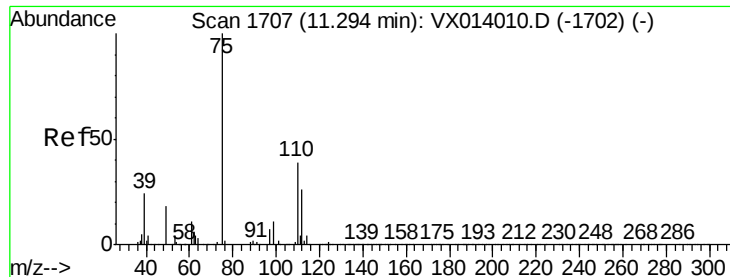


Abundance Ion 151.90 (151.60 to 152.60): V

Ion 114.90 (114.60 to 115.60): V

Ion 149.90 (149.60 to 150.60): V





#76

1,2,3-Trichloropropane

Concen: 22.569 ug/l

RT: 11.13 min Scan# 1680

Delta R.T. -0.16 min

Lab File: VX014207.D

Acq: 23 Dec 2019 17:09

Instrument :

MSVOA_X

ClientSampleId :

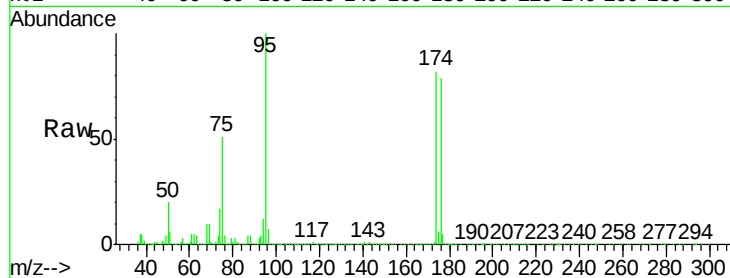
C0B53

Tgt Ion: 75 Resp: 172366

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

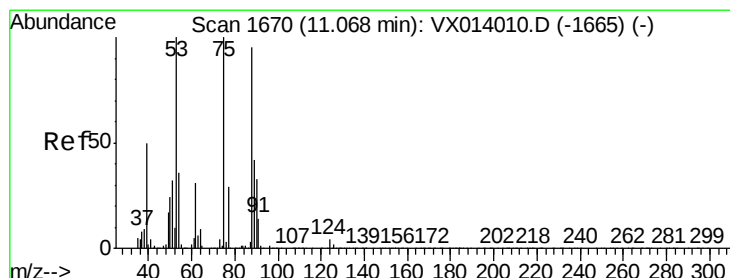
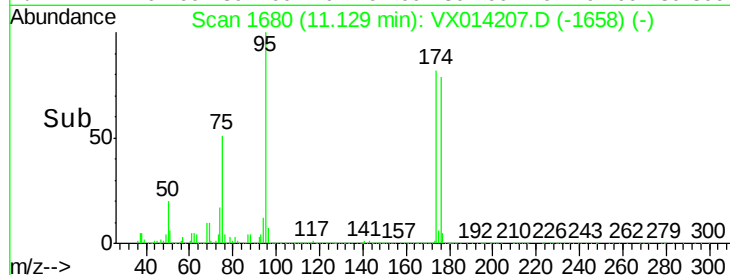
150000

100000

50000

0

Time--> 11.05 11.10 11.15 11.20



#81

trans-1,4-Dichloro-2-butene

Concen: 63.701 ug/l

RT: 11.13 min Scan# 1680

Delta R.T. 0.06 min

Lab File: VX014207.D

Acq: 23 Dec 2019 17:09

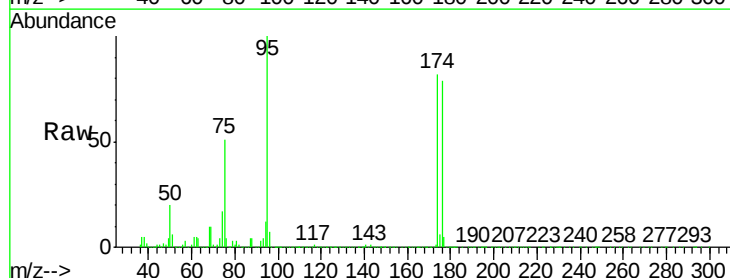
Tgt Ion: 75 Resp: 172366

Ion Ratio Lower Upper

75 100

53 0.4 76.7 115.1#

89 0.1 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

150000

100000

50000

0

Time--> 11.05 11.10 11.15 11.20

