

Data Path : Z:\VOASRV\HPCHEM1\MSVOA X\DATA\VX100919\
 Data File : VX012936.D
 Acq On : 09 Oct 2019 12:39
 Operator : JC/SP
 Sample : K5234-01
 Misc : 5.0mL/MSVOA X/WATER
 ALS Vial : 9 Sample Multiplier: 1

Instrument :
 MSVOA_X
 ClientSampleId :

Quant Time: Oct 10 01:36:07 2019
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_X\METHOD\82X100819W.M
 Quant Title : SW846 8260
 QLast Update : Wed Oct 09 01:51:23 2019
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Pentafluorobenzene	5.65	168	182214	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	6.86	114	307761	50.00	ug/l	0.00
63) Chlorobenzene-d5	10.11	117	260385	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	12.07	152	102309	50.00	ug/l	0.00

System Monitoring Compounds	R.T.	QIon	Response	Conc	Units	Dev(Min)
33) 1,2-Dichloroethane-d4	6.06	65	120019	52.70	ug/l	0.00
Spiked Amount			Recovery	=	105.40%	
35) Dibromofluoromethane	5.48	113	91262	51.67	ug/l	0.00
Spiked Amount			Recovery	=	103.34%	
50) Toluene-d8	8.71	98	360058	52.26	ug/l	0.00
Spiked Amount			Recovery	=	104.52%	
62) 4-Bromofluorobenzene	11.14	95	120657	45.07	ug/l	0.00
Spiked Amount			Recovery	=	90.14%	

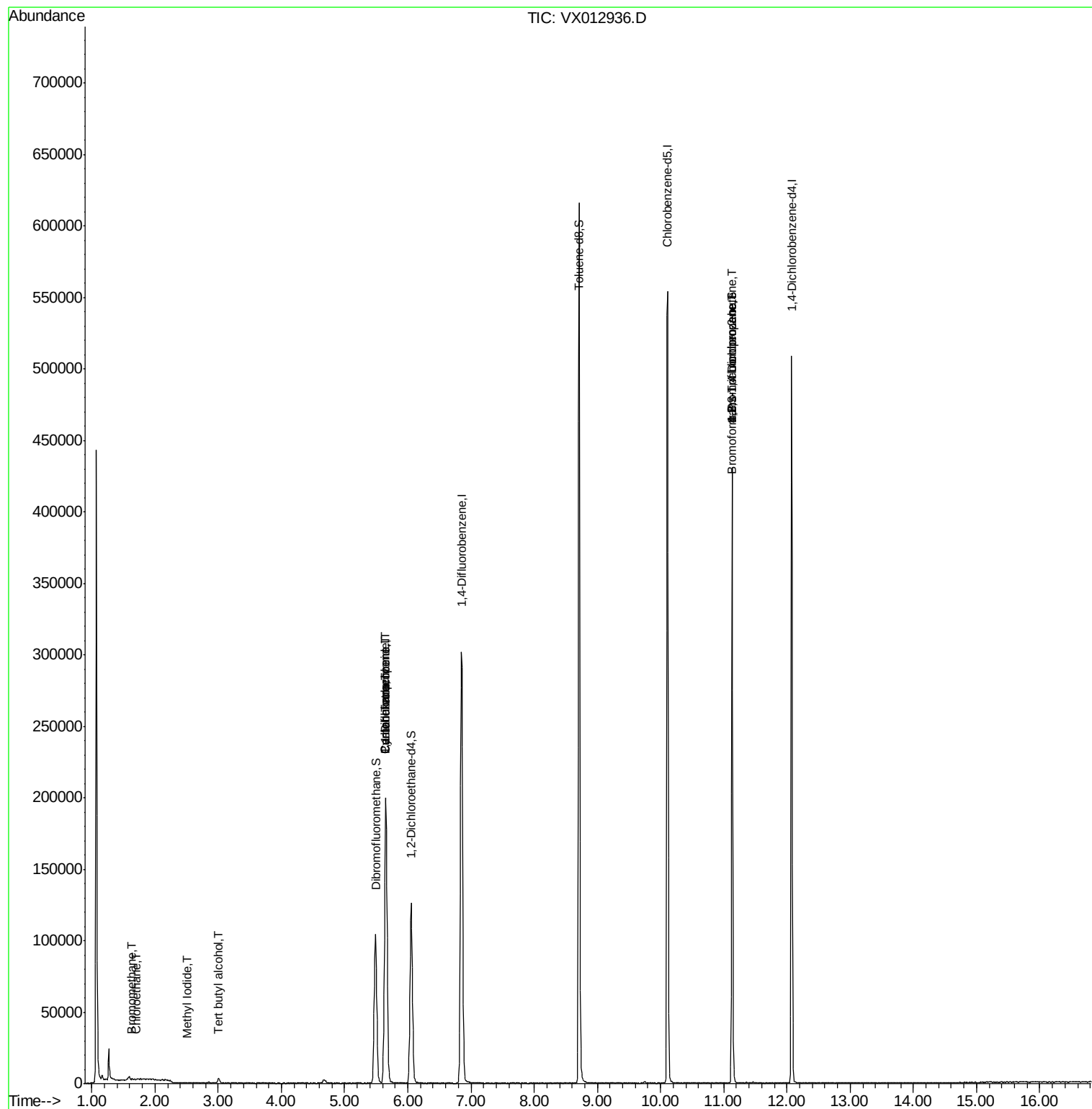
Target Compounds	R.T.	QIon	Response	Conc	Units	Qvalue
5) Bromomethane	1.64	94	377	0.435	ug/l	95
6) Chloroethane	1.70	64	321	0.618	ug/l #	43
10) Methyl Iodide	2.50	142	113	5.131	ug/l #	89
11) Tert butyl alcohol	3.00	59	2217	3.672	ug/l #	80
31) Cyclohexane	5.64	56	4092	1.238	ug/l #	1
36) 1,1-Dichloropropene	5.65	75	14820	5.477	ug/l #	50
38) Carbon Tetrachloride	5.65	117	18691	7.097	ug/l #	17
71) Bromoform	11.12	173	169	3.236	ug/l #	29
76) 1,2,3-Trichloropropane	11.14	75	61948	27.299	ug/l #	32
81) trans-1,4-Dichloro-2-buten	11.14	75	61948	68.550	ug/l #	10

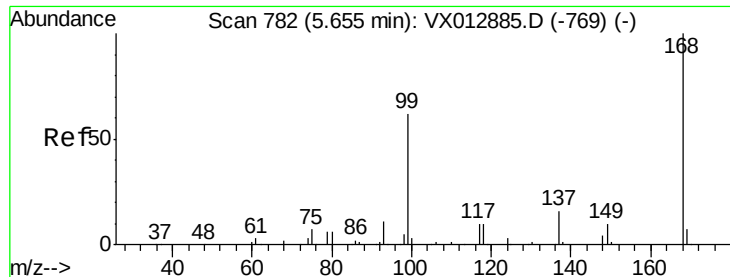
(#) = qualifier out of range (m) = manual integration (+) = signals summed

Data Path : Z:\V0ASRV\HPCHEM1\MSVOA X\DATA\VX100919\
Data File : VX012936.D
Acq On : 09 Oct 2019 12:39
Operator : JC/SP
Sample : K5234-01
Misc : 5.0mL/MSVOA X/WATER
ALS Vial : 9 Sample Multiplier: 1

Instrument :
MSVOA_X
ClientSampleId :

Quant Time: Oct 10 01:36:07 2019
Quant Method : Z:\V0ASRV\HPCHEM1\MSVOA_X\METHOD\82X100819W.M
Quant Title : SW846 8260
QLast Update : Wed Oct 09 01:51:23 2019
Response via : Initial Calibration





#1

Pentafluorobenzene

Concen: 50.000 ug/l

RT: 5.65 min Scan# 782

Delta R.T. -0.00 min

Lab File: VX012936.D

Acq: 09 Oct 2019 12:39

Instrument :

MSVOA_X

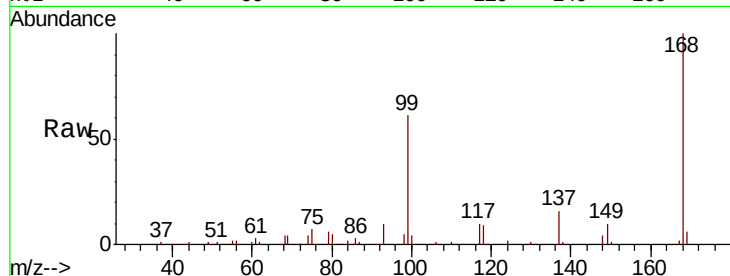
ClientSampleId :

Tot Ion:168 Resp: 182214

Ion Ratio Lower Upper

168 100

99 60.9 49.4 74.0



Abundance Ion 167.90 (167.60 to 168.60): V

Ion 98.90 (98.60 to 99.60): VX0

5.65

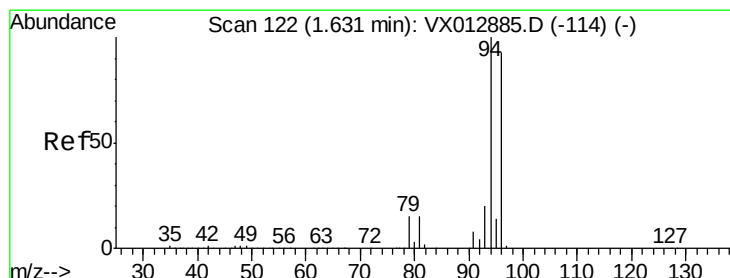
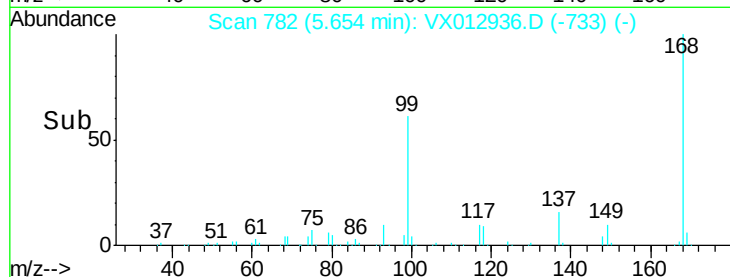
60000

40000

20000

0

Time--> 5.50 5.60 5.70 5.80



#5

Bromomethane

Concen: 0.435 ug/l

RT: 1.64 min Scan# 124

Delta R.T. 0.01 min

Lab File: VX012936.D

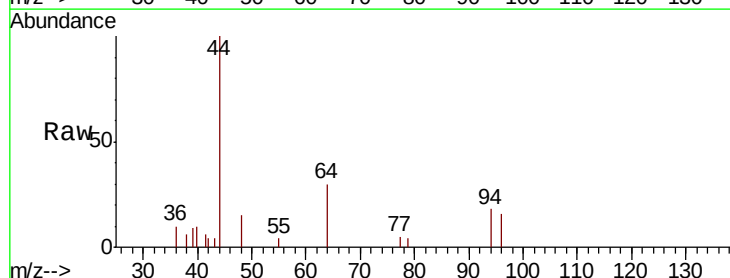
Acq: 09 Oct 2019 12:39

Tgt Ion: 94 Resp: 377

Ion Ratio Lower Upper

94 100

96 88.4 74.7 112.1



Abundance Ion 93.90 (93.60 to 94.60): VX0

Ion 95.90 (95.60 to 96.60): VX0

1.64

250

200

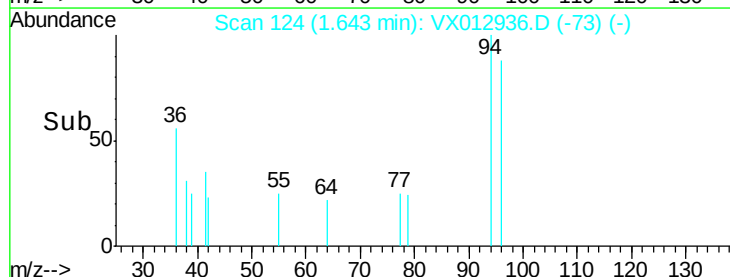
150

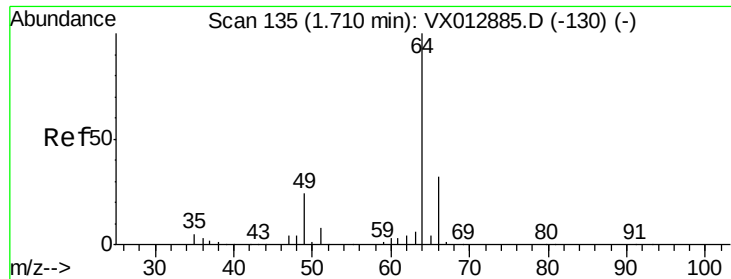
100

50

0

Time--> 1.60 1.65





#6

Chloroethane

Concen: 0.618 ug/l

RT: 1.70 min Scan# 134

Delta R.T. -0.01 min

Lab File: VX012936.D

Acq: 09 Oct 2019 12:39

Instrument :

MSVOA_X

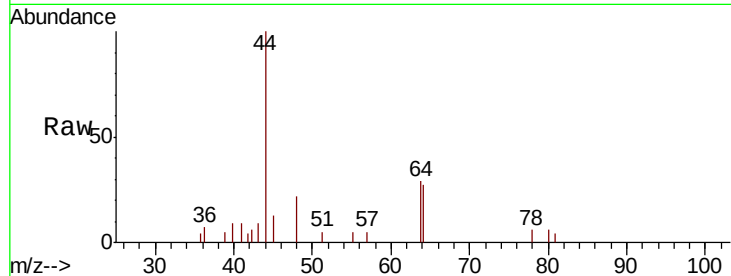
ClientSampleId :

Tot Ion: 64 Resp: 321

Ion Ratio Lower Upper

64 100

66 0.0 25.6 38.4#



Abundance Ion 63.90 (63.60 to 64.60): VX0

Ion 65.90 (65.60 to 66.60): VX0

1.70

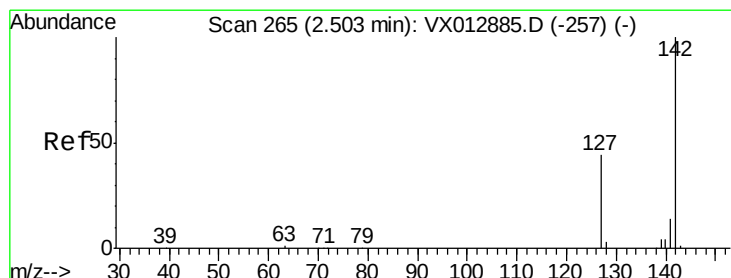
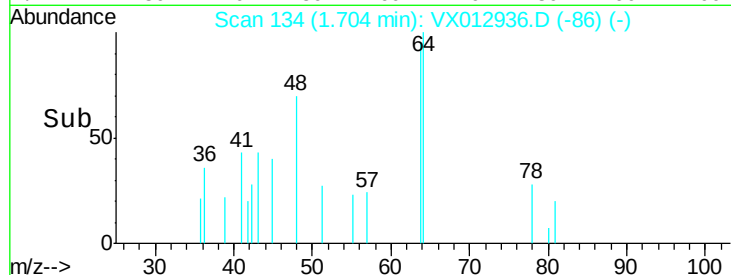
600

400

200

0

Time-->



#10

Methyl Iodide

Concen: 5.131 ug/l

RT: 2.50 min Scan# 265

Delta R.T. 0.00 min

Lab File: VX012936.D

Acq: 09 Oct 2019 12:39

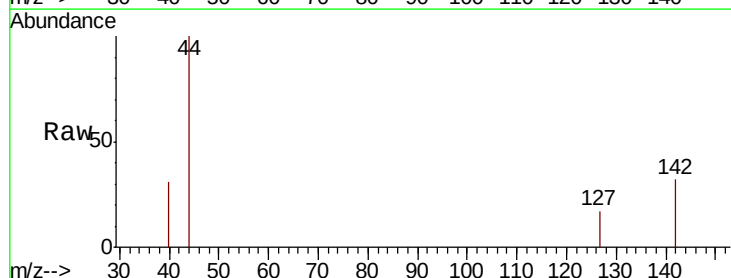
Tgt Ion: 142 Resp: 113

Ion Ratio Lower Upper

142 100

127 41.6 34.9 52.3

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

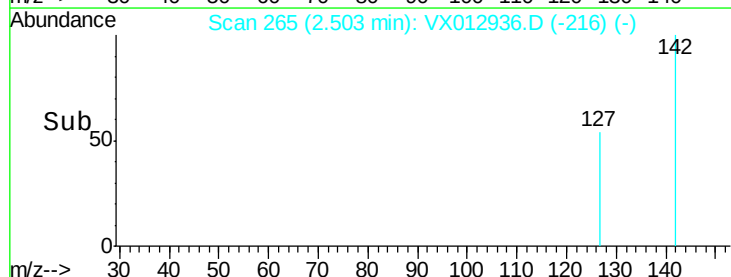
150

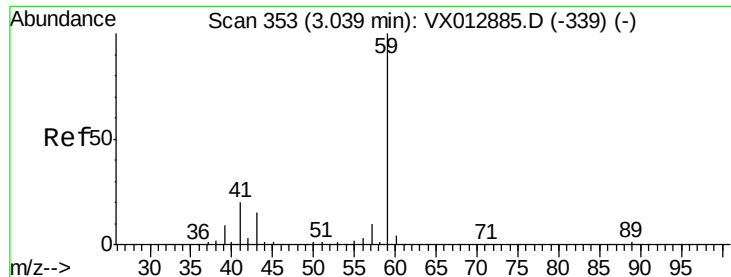
100

50

0

Time-->

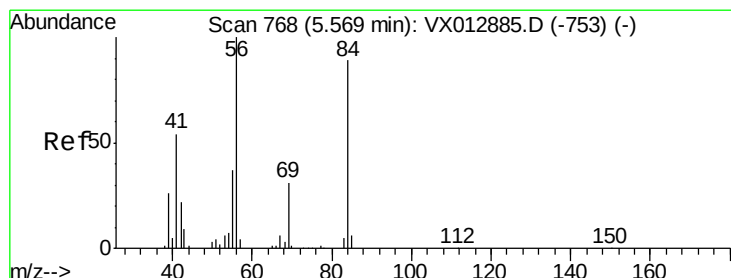
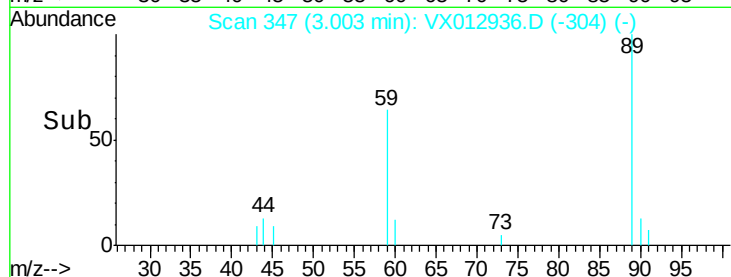
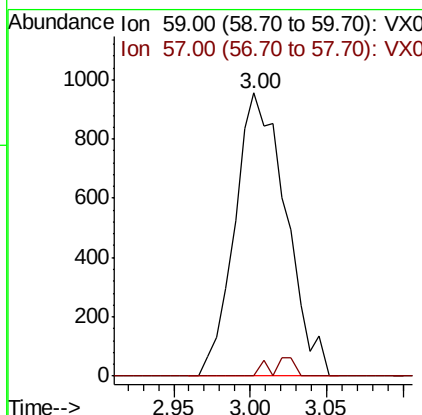
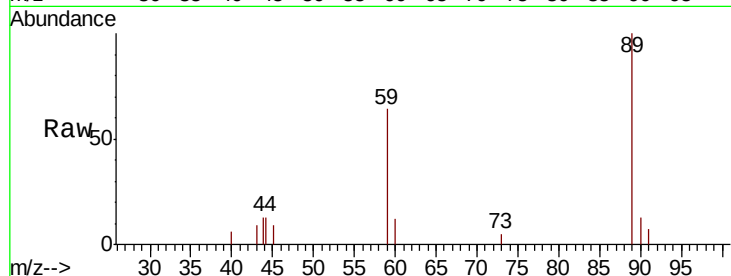




#11
Tert butyl alcohol
Concen: 3.672 ug/l
RT: 3.00 min Scan# 347
Delta R.T. -0.04 min
Lab File: VX012936.D
Acq: 09 Oct 2019 12:39

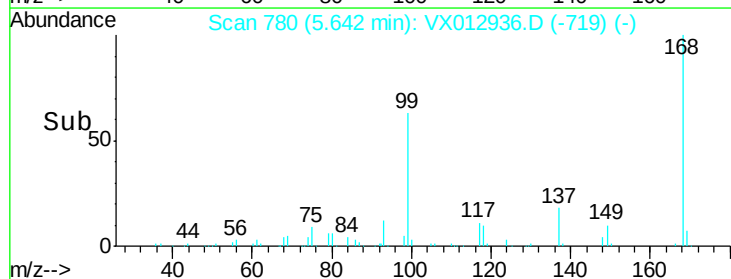
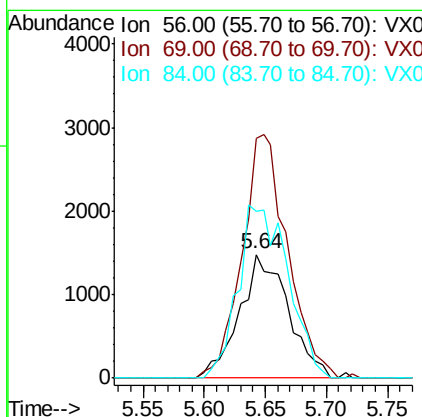
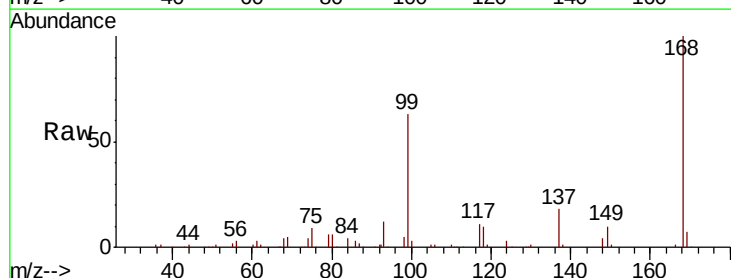
Instrument :
MSVOA_X
ClientSampled :

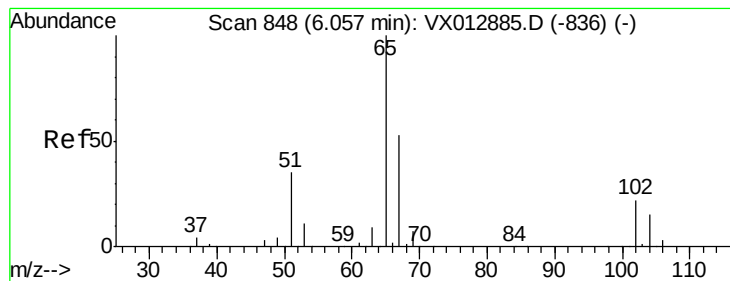
Tot Ion: 59 Resp: 2217
Ion Ratio Lower Upper
59 100
57 2.9 8.3 12.5#



#31
Cyclohexane
Concen: 1.238 ug/l
RT: 5.64 min Scan# 780
Delta R.T. 0.07 min
Lab File: VX012936.D
Acq: 09 Oct 2019 12:39

Tgt Ion: 56 Resp: 4092
Ion Ratio Lower Upper
56 100
69 194.0 25.2 37.8#
84 134.8 71.3 106.9#





#33

1,2-Dichloroethane-d4

Concen: 52.699 ug/l

RT: 6.06 min Scan# 848

Delta R.T. -0.00 min

Lab File: VX012936.D

Acq: 09 Oct 2019 12:39

Instrument :

MSVOA_X

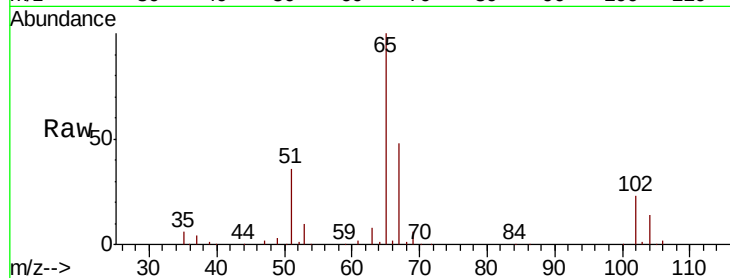
ClientSampleId :

Tot Ion: 65 Resp: 120019

Ion Ratio Lower Upper

65 100

67 51.5 0.0 104.4



Abundance Ion 64.90 (64.60 to 65.60): VX0

Ion 66.90 (66.60 to 67.60): VX0

6.06

50000

40000

30000

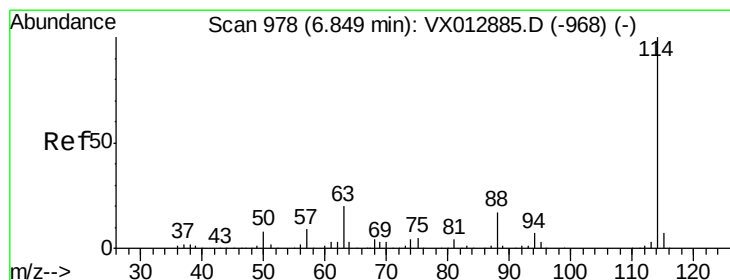
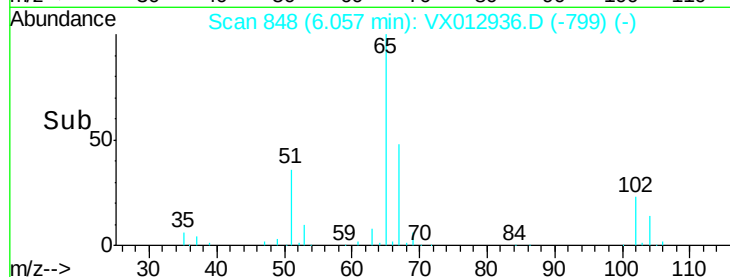
20000

10000

0

Time-->

5.90 6.00 6.10 6.20



#34

1,4-Difluorobenzene

Concen: 50.000 ug/l

RT: 6.86 min Scan# 979

Delta R.T. 0.01 min

Lab File: VX012936.D

Acq: 09 Oct 2019 12:39

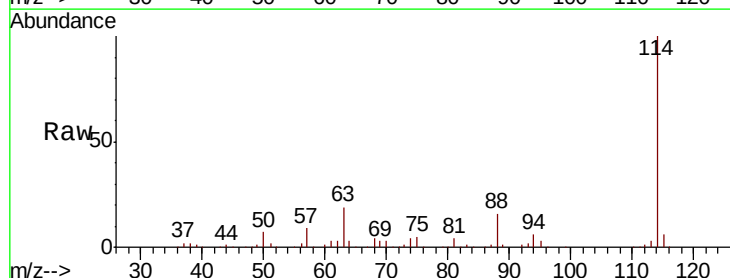
Tgt Ion:114 Resp: 307761

Ion Ratio Lower Upper

114 100

63 19.2 0.0 40.8

88 16.5 0.0 33.8



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

6.86

150000

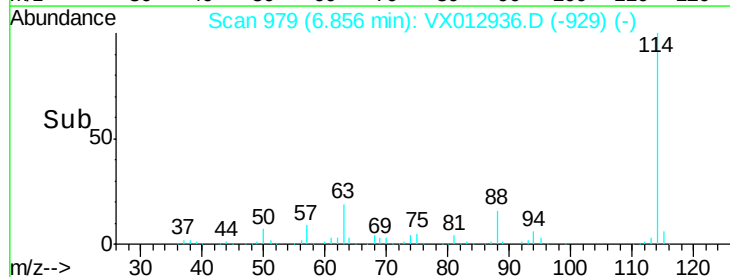
100000

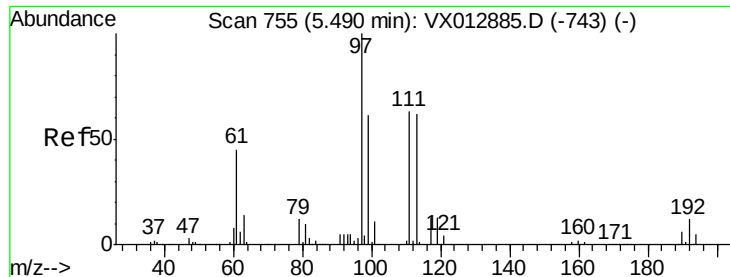
50000

0

Time-->

6.70 6.80 6.90 7.00

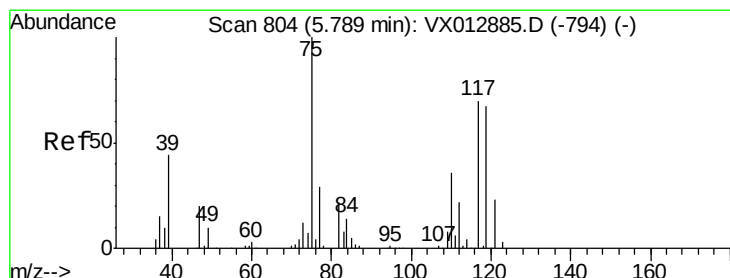
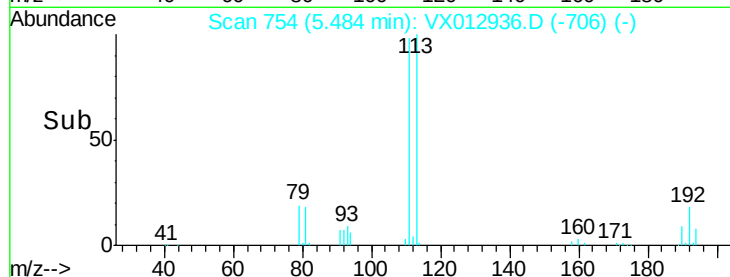
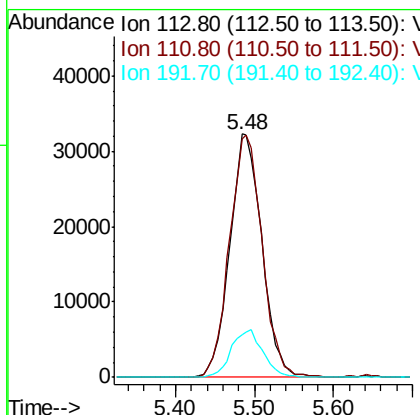
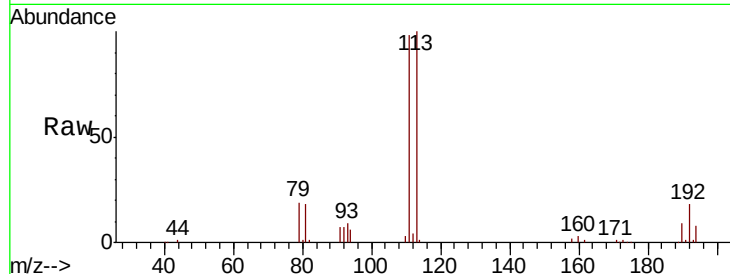




#35
 Dibromofluoromethane
 Concen: 51.666 ug/l
 RT: 5.48 min Scan# 754
 Delta R.T. -0.01 min
 Lab File: VX012936.D
 Acq: 09 Oct 2019 12:39

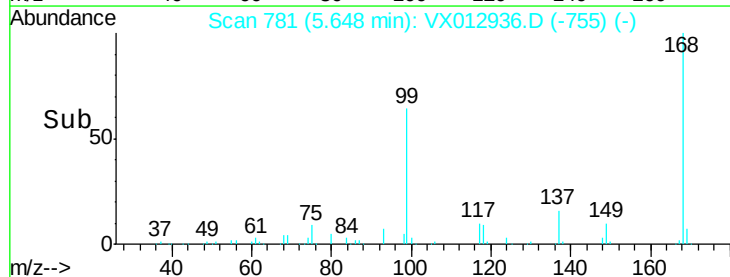
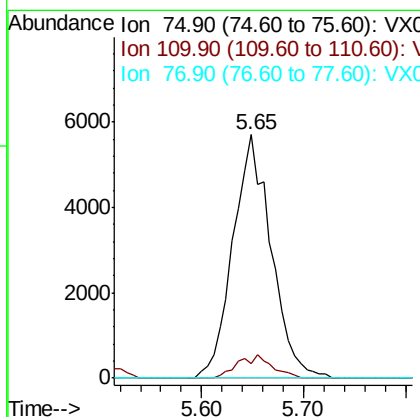
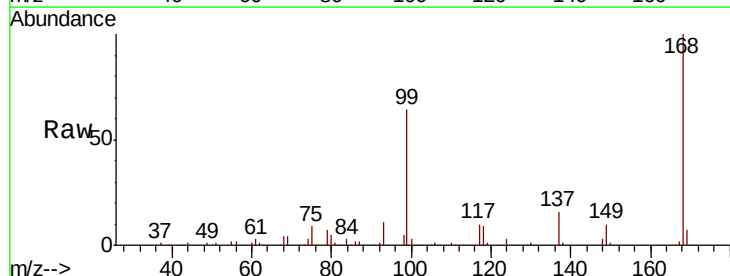
Instrument :
 MSVOA_X
 ClientSampleId :

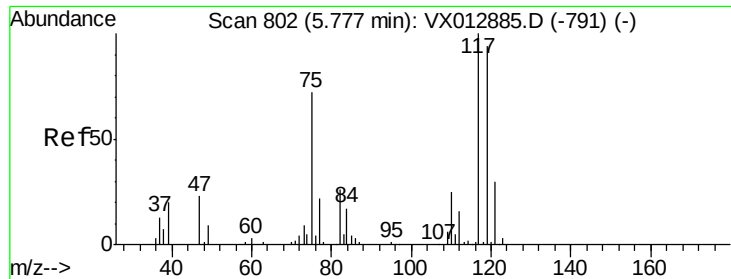
Tot Ion:113 Resp: 91262
 Ion Ratio Lower Upper
 113 100
 111 101.4 83.2 124.8
 192 19.1 15.4 23.2



#36
 1,1-Dichloropropene
 Concen: 5.477 ug/l
 RT: 5.65 min Scan# 781
 Delta R.T. -0.14 min
 Lab File: VX012936.D
 Acq: 09 Oct 2019 12:39

Tgt Ion: 75 Resp: 14820
 Ion Ratio Lower Upper
 75 100
 110 8.7 17.6 52.9#
 77 0.0 24.4 36.6#

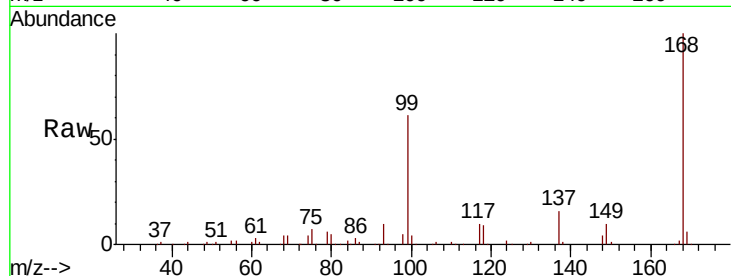




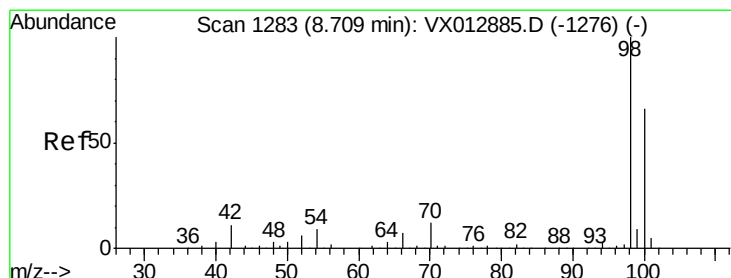
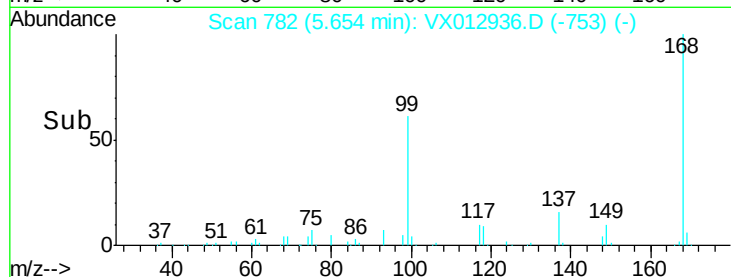
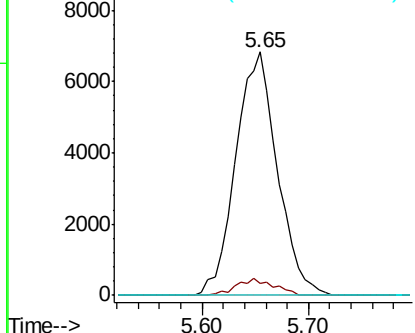
#38
Carbon Tetrachloride
Concen: 7.097 ug/l
RT: 5.65 min Scan# 782
Delta R.T. -0.12 min
Lab File: VX012936.D
Acq: 09 Oct 2019 12:39

Instrument :
MSVOA_X
ClientSampleId :

Tot Ion:117 Resp: 18691
Ion Ratio Lower Upper
117 100
119 4.6 74.5 111.7#
121 0.0 24.2 36.4#

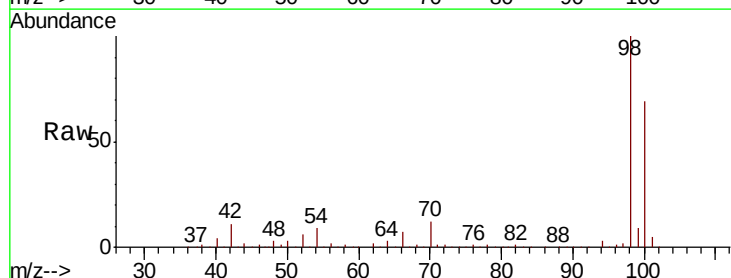


Abundance Ion 116.80 (116.50 to 117.50): V
Ion 118.80 (118.50 to 119.50): V
Ion 120.80 (120.50 to 121.50): V

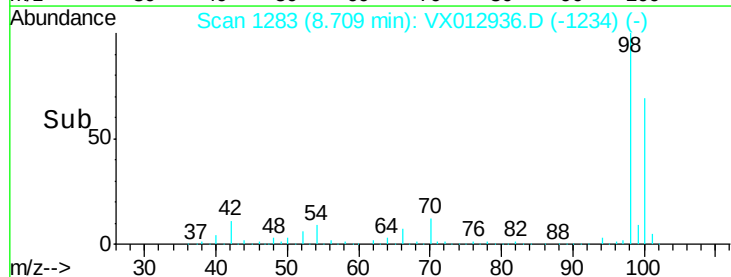
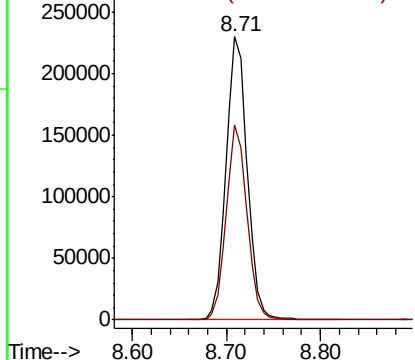


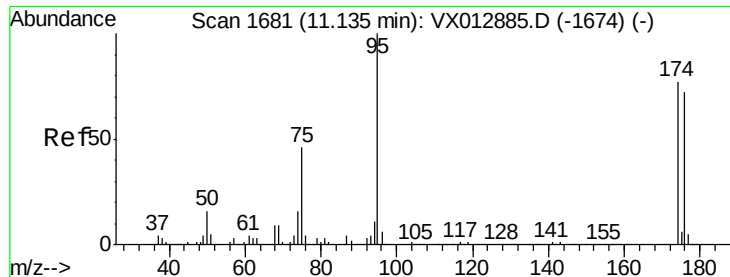
#50
Toluene-d8
Concen: 52.263 ug/l
RT: 8.71 min Scan# 1283
Delta R.T. -0.00 min
Lab File: VX012936.D
Acq: 09 Oct 2019 12:39

Tgt Ion: 98 Resp: 360058
Ion Ratio Lower Upper
98 100
100 67.7 53.4 80.2



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





#62

4-Bromofluorobenzene

Concen: 45.073 ug/l

RT: 11.14 min Scan# 1681

Delta R.T. -0.00 min

Lab File: VX012936.D

Acq: 09 Oct 2019 12:39

Instrument :

MSVOA_X

ClientSampleId :

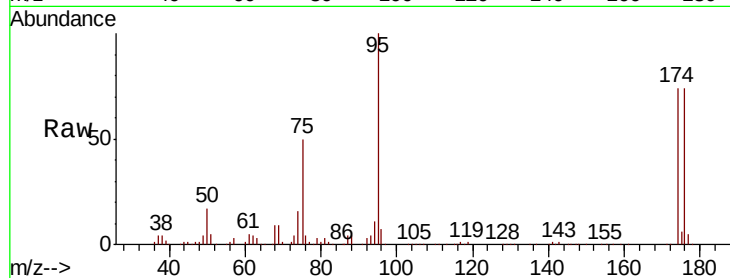
Tot Ion: 95 Resp: 120657

Ion Ratio Lower Upper

95 100

174 71.9 0.0 143.4

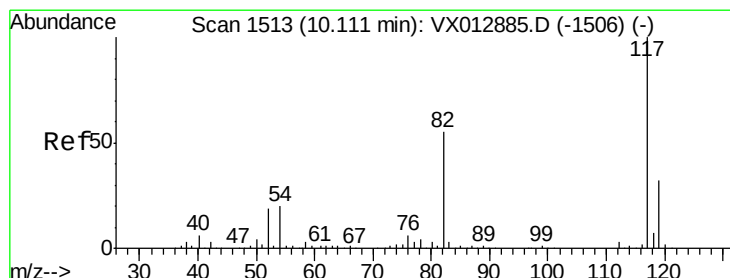
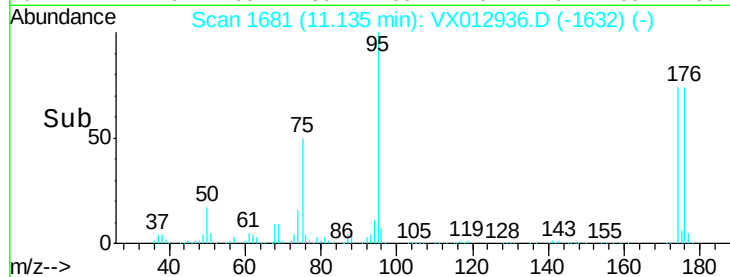
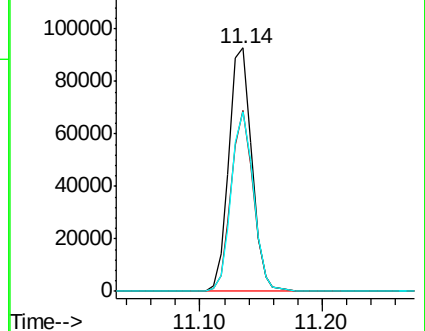
176 71.6 0.0 136.0



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: VX012936.D

Acq: 09 Oct 2019 12:39

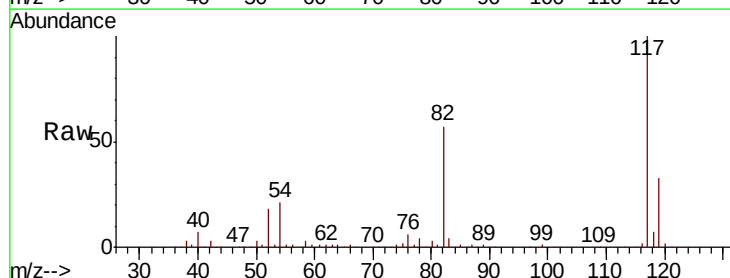
Tgt Ion: 117 Resp: 260385

Ion Ratio Lower Upper

117 100

82 56.5 44.1 66.1

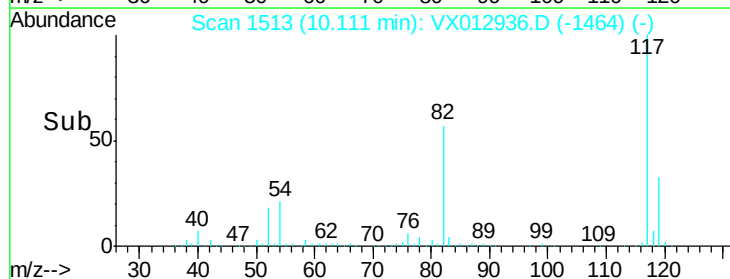
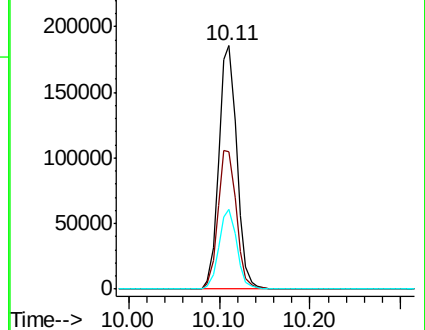
119 32.6 25.8 38.8

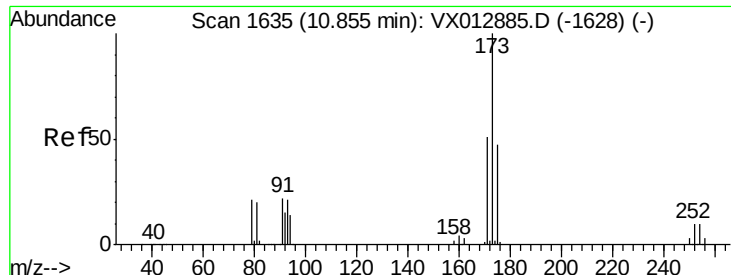


Abundance Ion 116.90 (116.60 to 117.60): V

Ion 82.00 (81.70 to 82.70): VX0

Ion 118.90 (118.60 to 119.60): V





#71

Bromoform

Concen: 3.236 ug/l

RT: 11.12 min Scan# 1679

Delta R.T. 0.27 min

Lab File: VX012936.D

Acq: 09 Oct 2019 12:39

Instrument :

MSVOA_X

ClientSampleId :

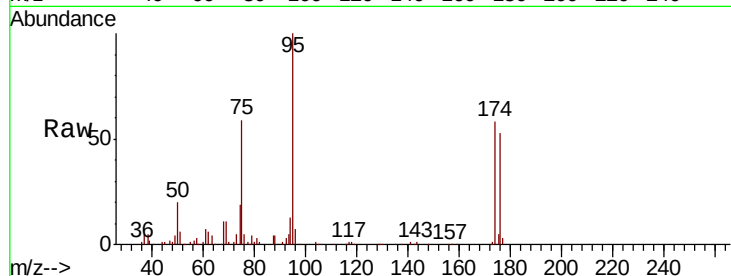
Tot Ion:173 Resp: 169

Ion Ratio Lower Upper

173 100

175 0.0 24.1 72.3#

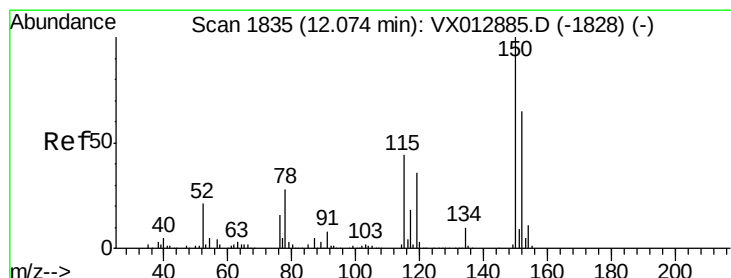
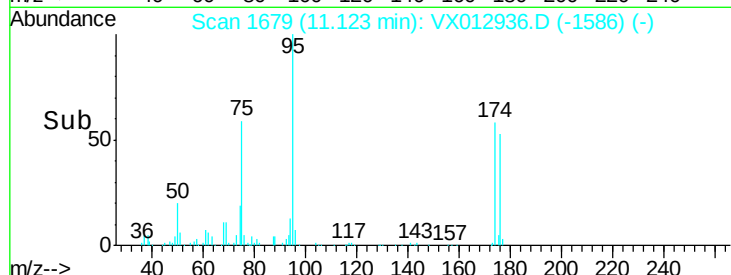
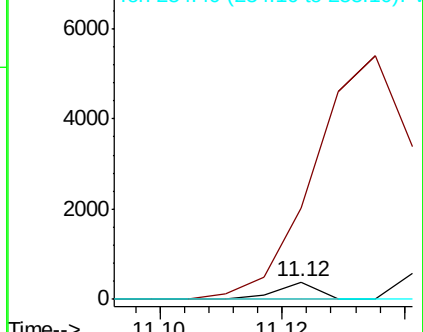
254 0.0 0.1 0.1#



Abundance Ion 172.70 (172.40 to 173.40): V

Ion 174.70 (174.40 to 175.40): V

Ion 254.40 (254.10 to 255.10): 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: VX012936.D

Acq: 09 Oct 2019 12:39

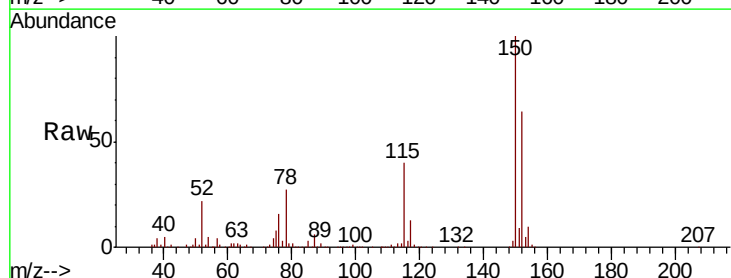
Tgt Ion:152 Resp: 102309

Ion Ratio Lower Upper

152 100

115 62.5 44.5 133.5

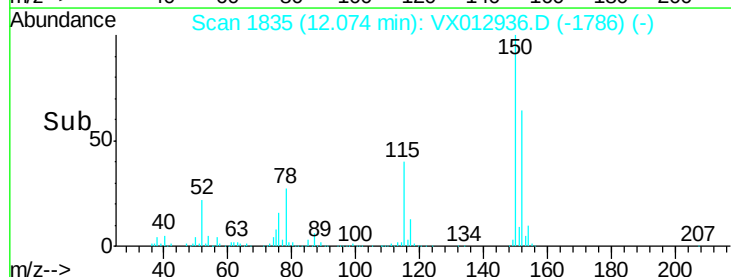
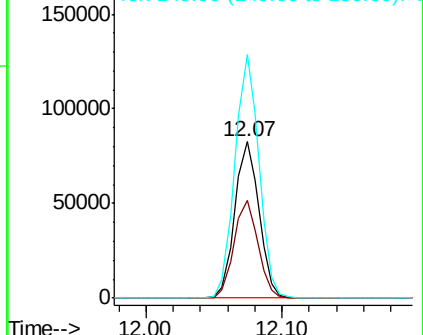
150 154.9 0.0 353.4

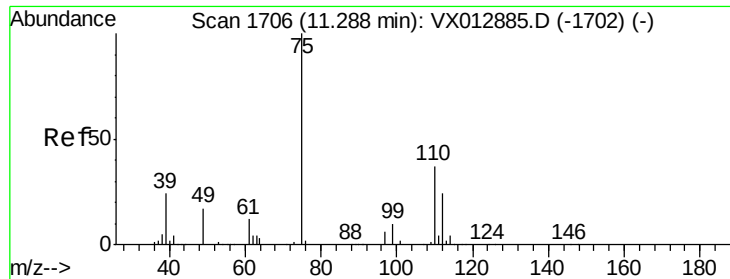


Abundance Ion 151.90 (151.60 to 152.60): V

Ion 114.90 (114.60 to 115.60): V

Ion 149.90 (149.60 to 150.60): V





#76

1,2,3-Trichloropropane

Concen: 27.299 ug/l

RT: 11.14 min Scan# 1681

Delta R.T. -0.15 min

Lab File: VX012936.D

Acq: 09 Oct 2019 12:39

Instrument :

MSVOA_X

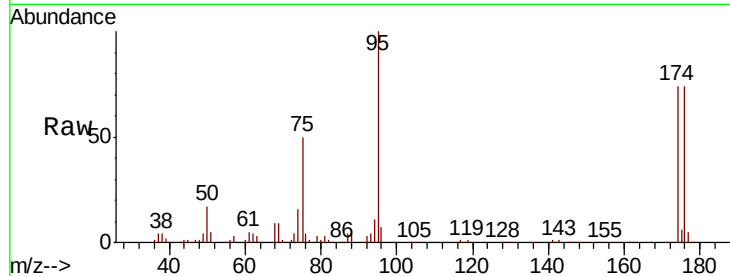
ClientSampleId :

Tot Ion: 75 Resp: 61948

Ion Ratio Lower Upper

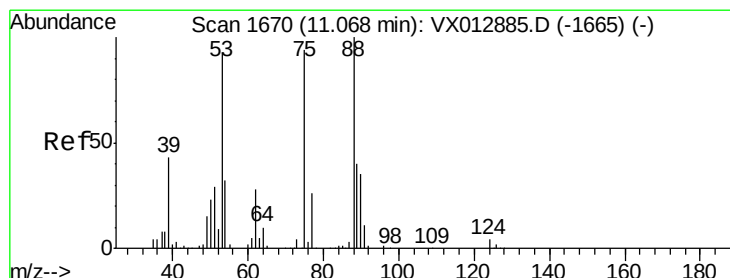
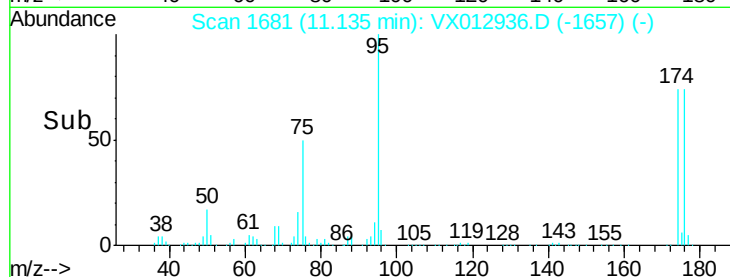
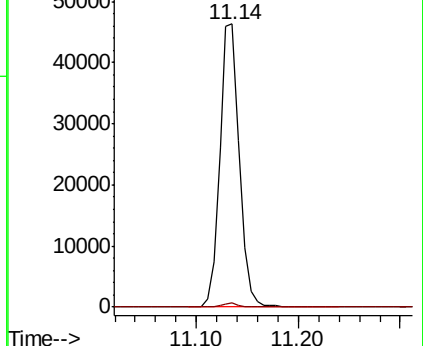
75 100

77 1.0 22.9 68.8#



Abundance Ion 74.90 (74.60 to 75.60): VX0

Ion 77.00 (76.70 to 77.70): VX0



#81

trans-1,4-Dichloro-2-butene

Concen: 68.550 ug/l

RT: 11.14 min Scan# 1681

Delta R.T. 0.07 min

Lab File: VX012936.D

Acq: 09 Oct 2019 12:39

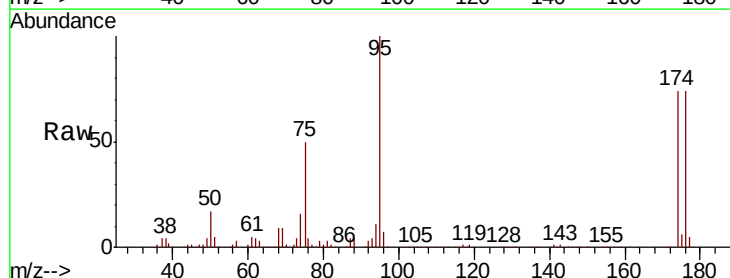
Tgt Ion: 75 Resp: 61948

Ion Ratio Lower Upper

75 100

53 0.0 78.5 117.7#

89 0.0 37.4 56.2#



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

