

Data Path : Z:\VOASRV\HPCHEM1\MSVOA X\DATA\VX100919\
 Data File : VX012939.D
 Acq On : 09 Oct 2019 13:49
 Operator : JC/SP
 Sample : K5234-04
 Misc : 5.0mL/MSVOA X/WATER
 ALS Vial : 12 Sample Multiplier: 1

Instrument :
 MSVOA_X
 ClientSampleId :

Quant Time: Oct 10 01:36:42 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	174111	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	6.85	114	298562	50.00	ug/l	0.00
63) Chlorobenzene-d5	10.11	117	247266	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	12.07	152	91176	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	115325	52.99	ug/l	0.00
Spiked Amount			Recovery	=	105.98%	
35) Dibromofluoromethane	5.49	113	87862	51.27	ug/l	0.00
Spiked Amount			Recovery	=	102.54%	
50) Toluene-d8	8.71	98	343397	51.38	ug/l	0.00
Spiked Amount			Recovery	=	102.76%	
62) 4-Bromofluorobenzene	11.14	95	113143	43.57	ug/l	0.00
Spiked Amount			Recovery	=	87.14%	

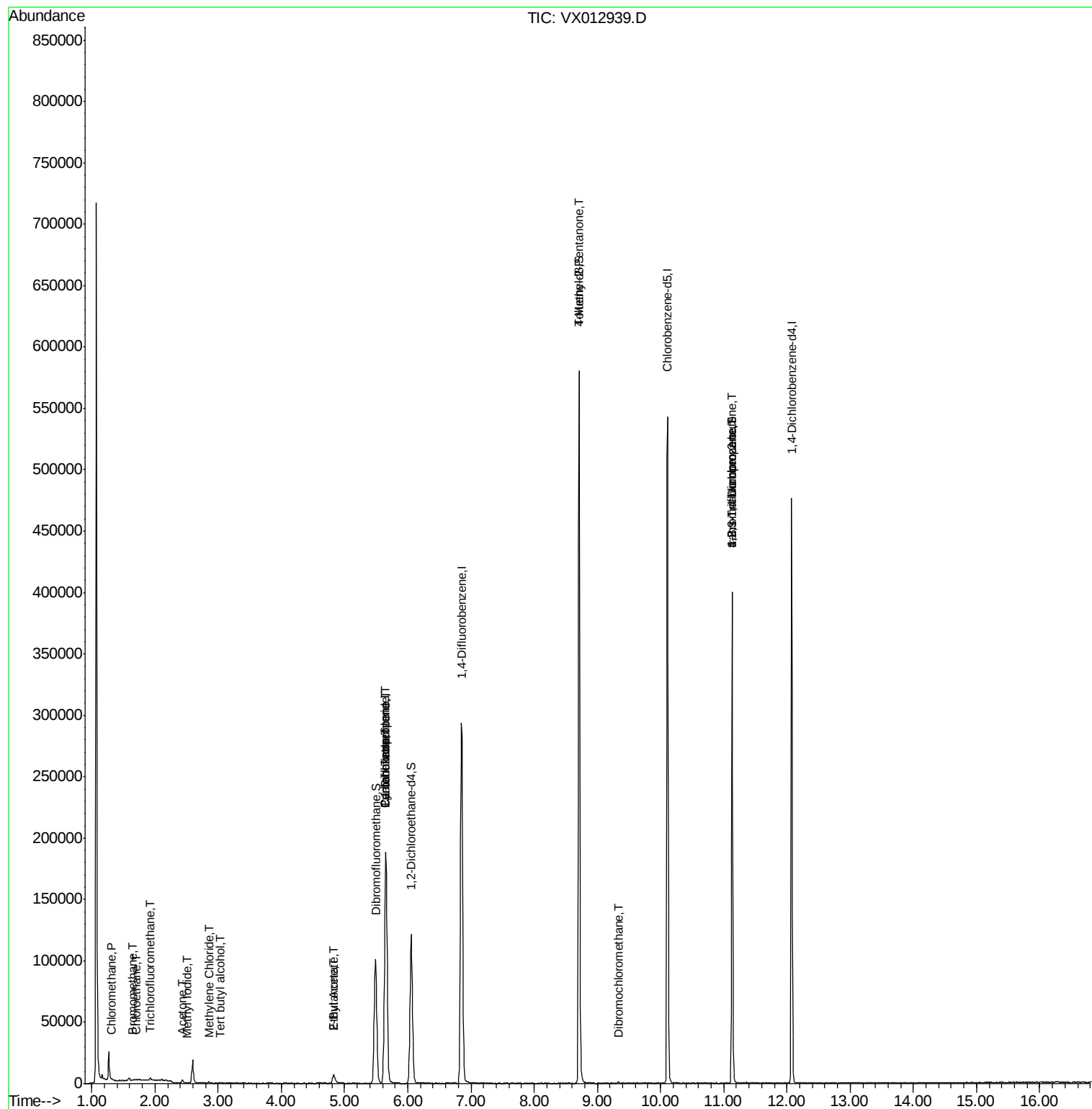
Target Compounds	R.T.	QIon	Response	Conc	Units	Qvalue
3) Chloromethane	1.32	50	492	0.255	ug/l	95
5) Bromomethane	1.64	94	328	0.396	ug/l #	3
6) Chloroethane	1.72	64	182	0.516	ug/l #	43
7) Trichlorofluoromethane	1.92	101	1211	0.450	ug/l #	62
10) Methyl Iodide	2.50	142	45	5.102	ug/l #	40
11) Tert butyl alcohol	3.04	59	856	1.484	ug/l #	79
16) Acetone	2.43	43	2691	2.346	ug/l #	85
20) Methylene Chloride	2.85	84	482	0.229	ug/l #	75
25) 2-Butanone	4.83	43	12552	7.887	ug/l #	49
31) Cyclohexane	5.65	56	3707	1.174	ug/l #	1
36) 1,1-Dichloropropene	5.65	75	13924	5.304	ug/l #	51
37) Ethyl Acetate	4.83	43	12634	4.304	ug/l	97
38) Carbon Tetrachloride	5.65	117	18819	7.366	ug/l #	18
51) 4-Methyl-2-Pentanone	8.71	43	1449	0.493	ug/l #	1
60) Dibromochloromethane	9.34	129	98	1.900	ug/l #	10
76) 1,2,3-Trichloropropane	11.14	75	57235	28.302	ug/l #	32
81) trans-1,4-Dichloro-2-buten	11.14	75	57235	70.918	ug/l #	10

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

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QLast Update : Wed Oct 09 01:51:23 2019
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#1

Pentafluorobenzene

Concen: 50.000 ug/l

RT: 5.65 min Scan# 782

Delta R.T. 0.00 min

Lab File: VX012939.D

Acq: 09 Oct 2019 13:49

Instrument :

MSVOA_X

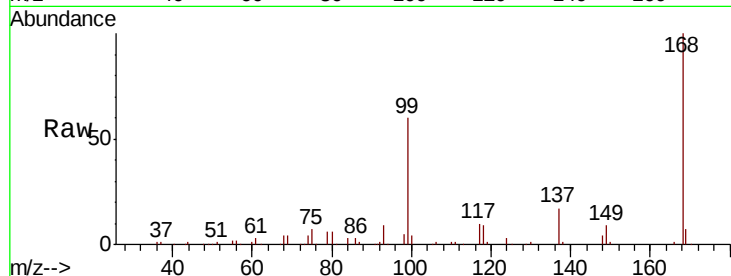
ClientSampled :

Tot Ion:168 Resp: 174111

Ion Ratio Lower Upper

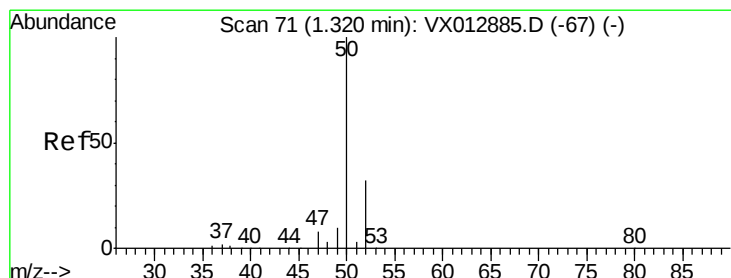
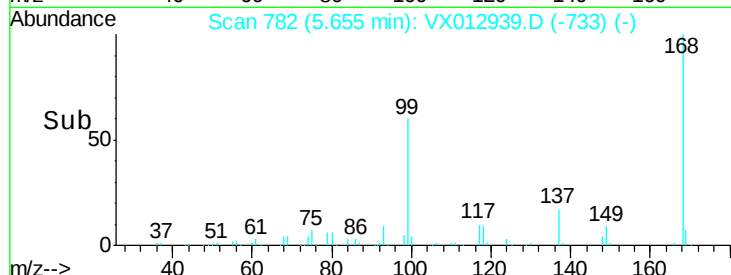
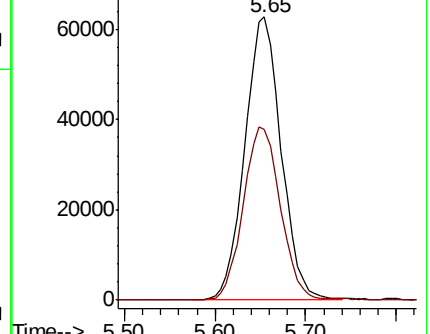
168 100

99 60.2 49.4 74.0



Abundance Ion 167.90 (167.60 to 168.60): V

Ion 98.90 (98.60 to 99.60): VX0



#3

Chloromethane

Concen: 0.255 ug/l

RT: 1.32 min Scan# 71

Delta R.T. 0.00 min

Lab File: VX012939.D

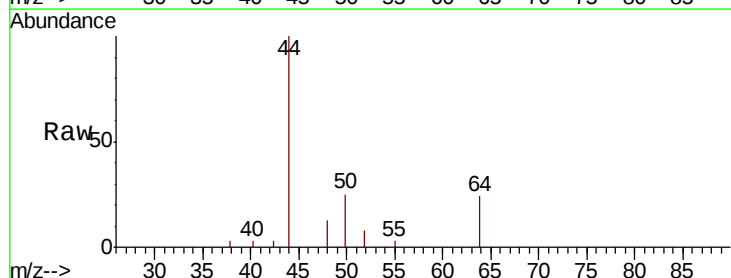
Acq: 09 Oct 2019 13:49

Tgt Ion: 50 Resp: 492

Ion Ratio Lower Upper

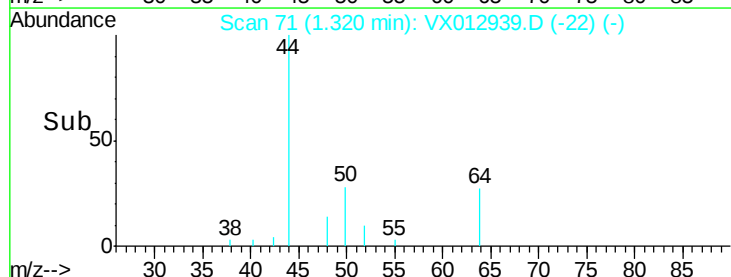
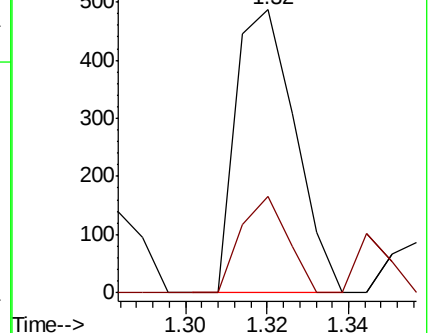
50 100

52 34.1 25.2 37.8



Abundance Ion 49.90 (49.60 to 50.60): VX0

Ion 51.90 (51.60 to 52.60): VX0





#5

Bromomethane

Concen: 0.396 ug/l

RT: 1.64 min Scan# 123

Delta R.T. 0.01 min

Lab File: VX012939.D

Acq: 09 Oct 2019 13:49

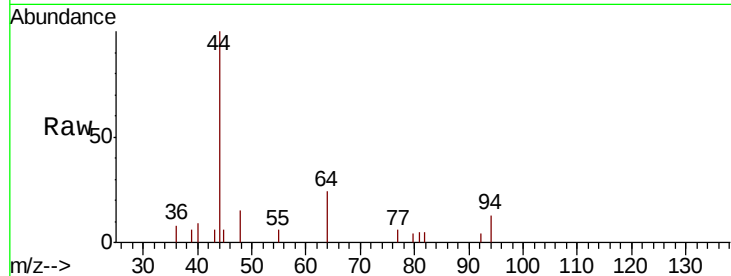
Instrument :
MSVOA_X
ClientSampled :

Tot Ion: 94 Resp: 328

Ion Ratio Lower Upper

94 100

96 0.0 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

150

100

50

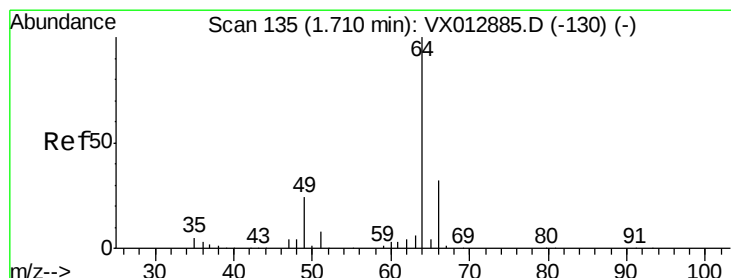
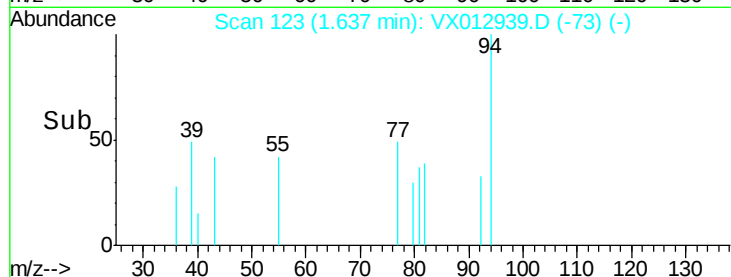
0

Time-->

1.60

1.65

1.70



#6

Chloroethane

Concen: 0.516 ug/l

RT: 1.72 min Scan# 136

Delta R.T. 0.01 min

Lab File: VX012939.D

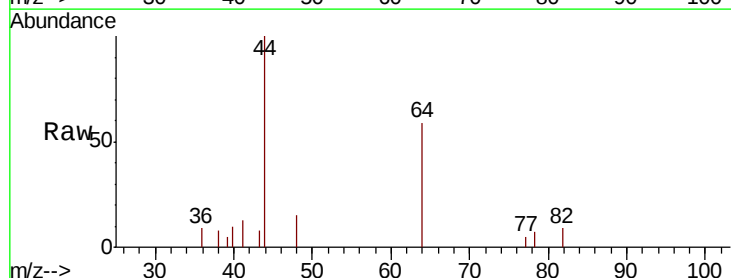
Acq: 09 Oct 2019 13:49

Tgt Ion: 64 Resp: 182

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

1.72

800

600

400

200

0

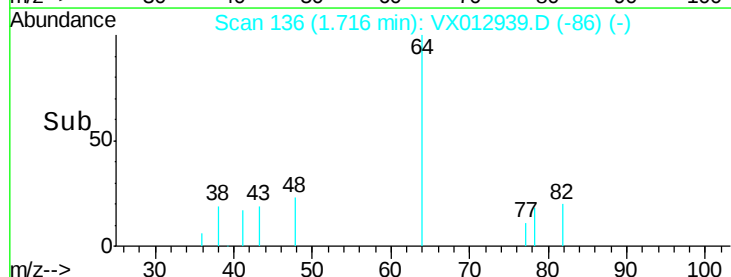
Time-->

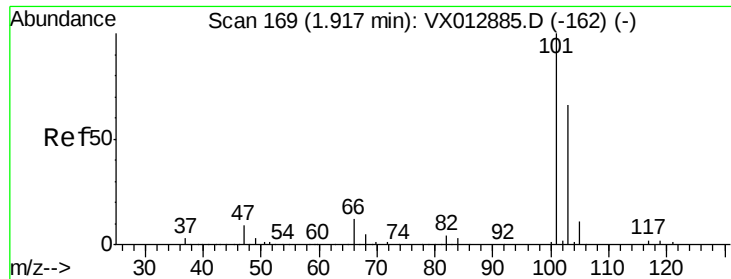
1.70

1.71

1.72

1.73



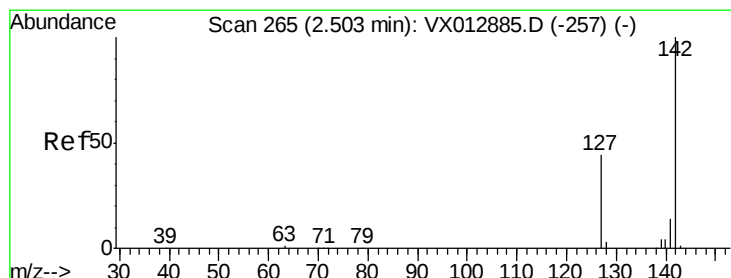
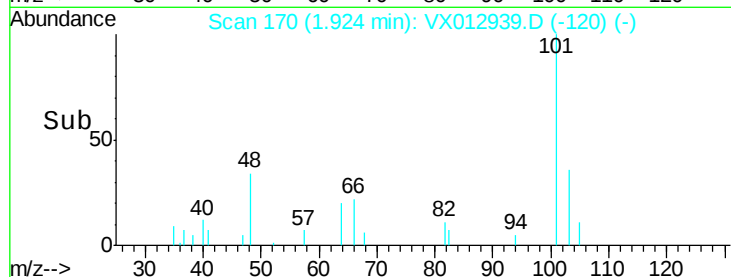
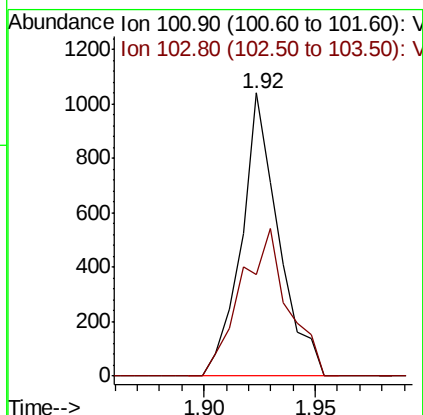
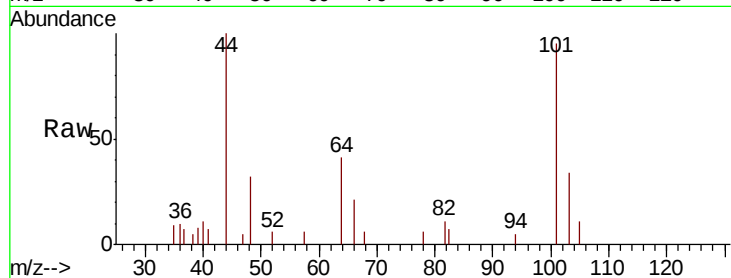


#7

Trichlorofluoromethane
 Concen: 0.450 ug/l
 RT: 1.92 min Scan# 170
 Delta R.T. 0.01 min
 Lab File: VX012939.D
 Acq: 09 Oct 2019 13:49

Instrument :
 MSVOA_X
 ClientSampleId :

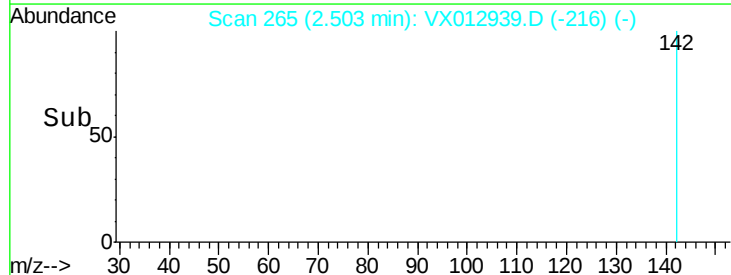
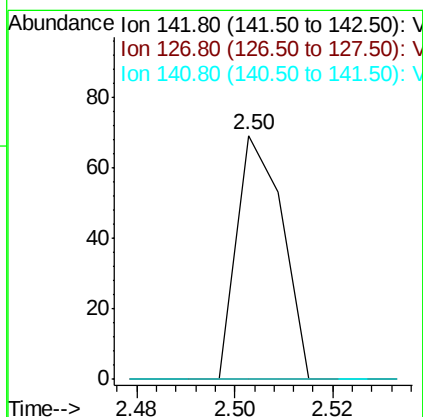
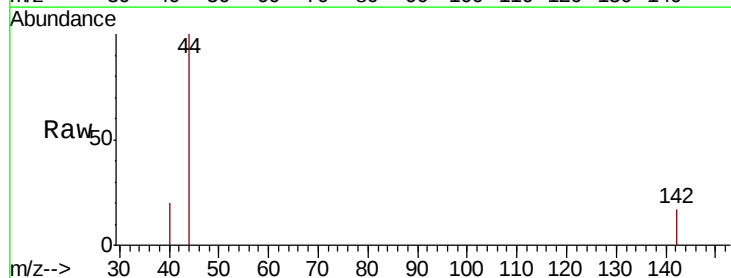
Tot Ion:101 Resp: 1211
 Ion Ratio Lower Upper
 101 100
 103 35.9 52.5 78.7#

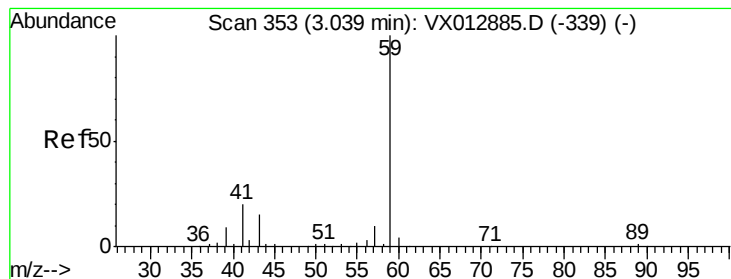


#10

Methyl Iodide
 Concen: 5.102 ug/l
 RT: 2.50 min Scan# 265
 Delta R.T. 0.00 min
 Lab File: VX012939.D
 Acq: 09 Oct 2019 13:49

Tgt Ion:142 Resp: 45
 Ion Ratio Lower Upper
 142 100
 127 0.0 34.9 52.3#
 141 0.0 11.6 17.4#



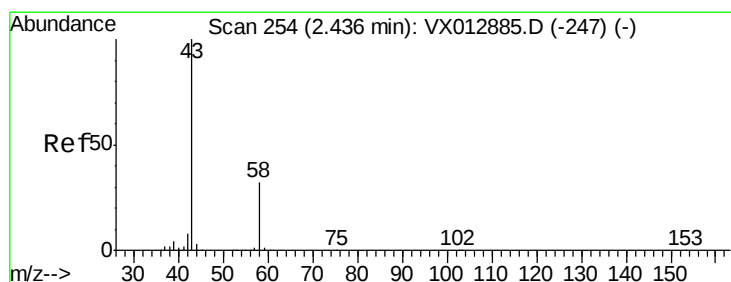
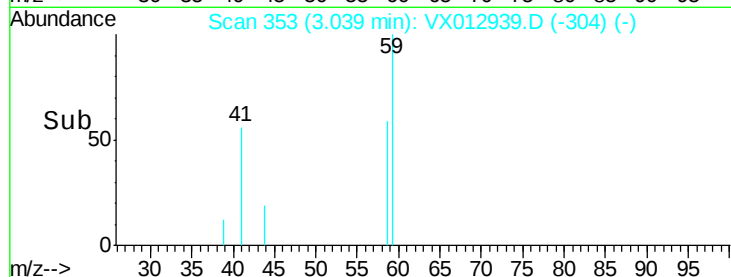
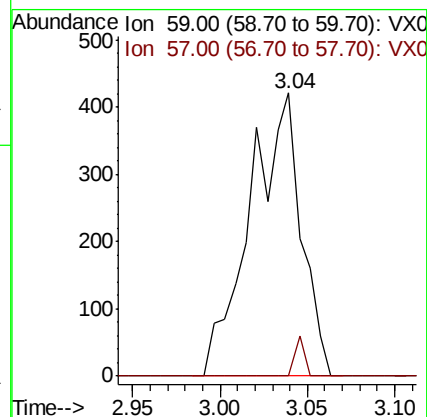
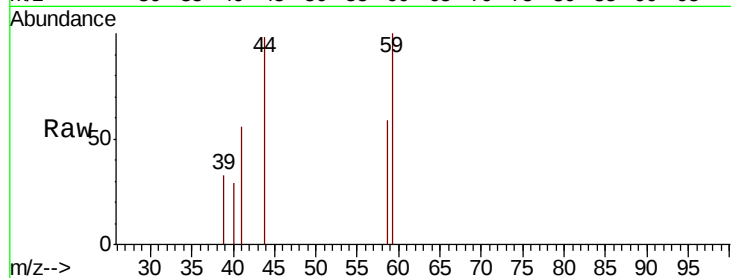


#11

Tert butyl alcohol
 Concen: 1.484 ug/l
 RT: 3.04 min Scan# 353
 Delta R.T. 0.00 min
 Lab File: VX012939.D
 Acq: 09 Oct 2019 13:49

Instrument :
 MSVOA_X
 ClientSampled :

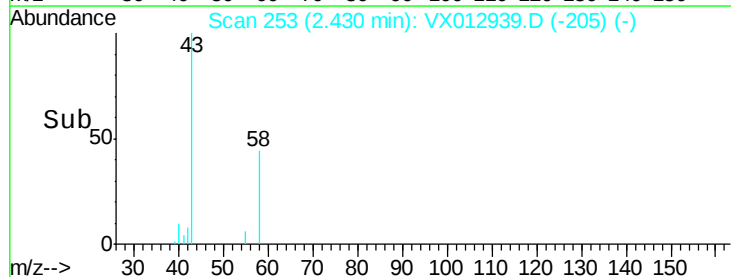
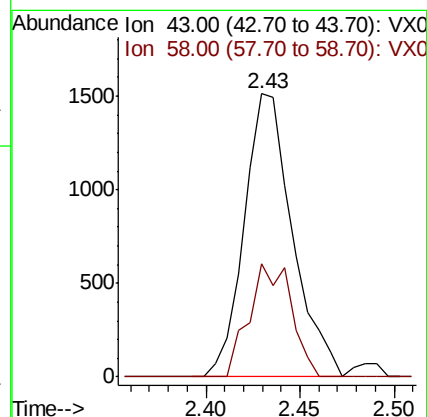
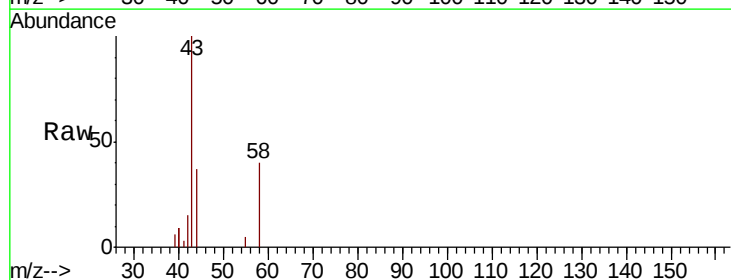
Tot Ion: 59 Resp: 856
 Ion Ratio Lower Upper
 59 100
 57 2.6 8.3 12.5#

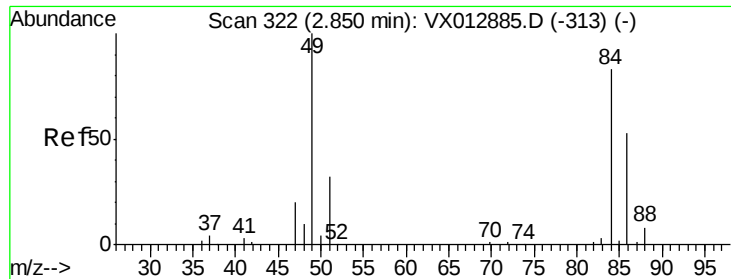


#16

Acetone
 Concen: 2.346 ug/l
 RT: 2.43 min Scan# 253
 Delta R.T. -0.01 min
 Lab File: VX012939.D
 Acq: 09 Oct 2019 13:49

Tgt Ion: 43 Resp: 2691
 Ion Ratio Lower Upper
 43 100
 58 39.9 25.4 38.2#

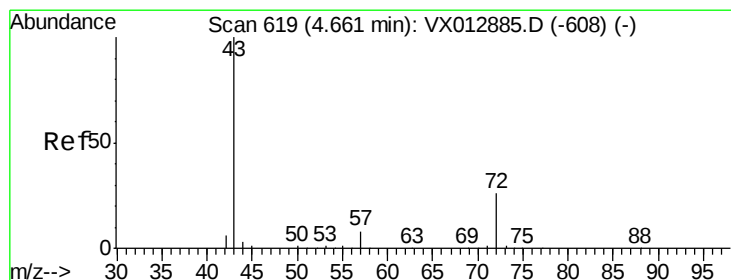
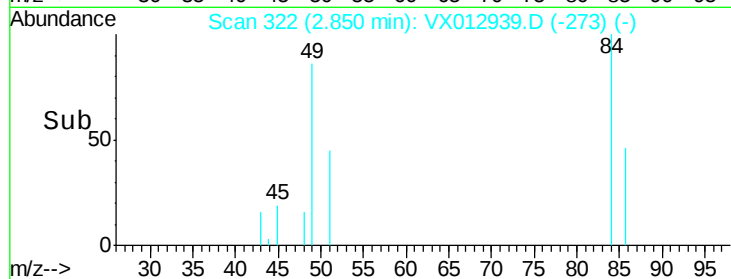
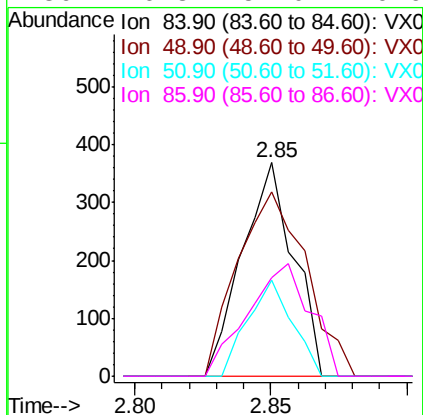
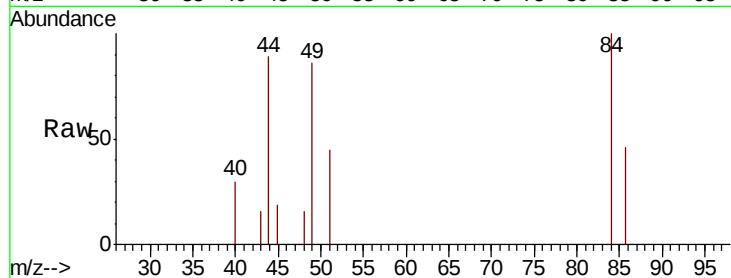




#20
Methvlene Chloride
Concen: 0.229 ug/l
RT: 2.85 min Scan# 322
Delta R.T. 0.00 min
Lab File: VX012939.D
Acq: 09 Oct 2019 13:49

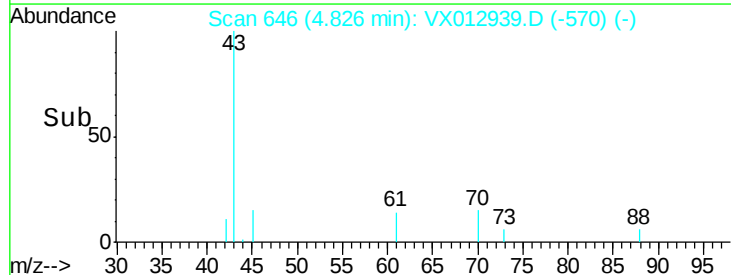
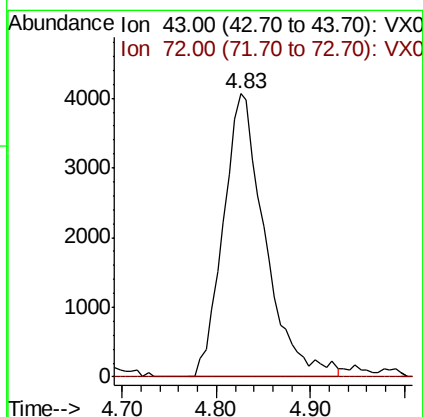
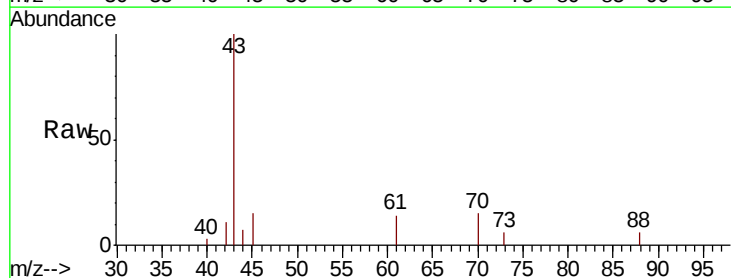
Instrument :
MSVOA_X
ClientSampled :

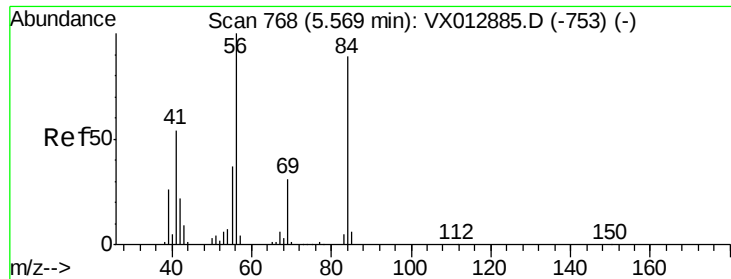
Tot Ion: 84 Resp: 482
Ion Ratio Lower Upper
84 100
49 86.2 96.6 144.8#
51 45.0 30.7 46.1
86 46.3 51.0 76.6#



#25
2-Butanone
Concen: 7.887 ug/l
RT: 4.83 min Scan# 646
Delta R.T. 0.16 min
Lab File: VX012939.D
Acq: 09 Oct 2019 13:49

Tgt Ion: 43 Resp: 12552
Ion Ratio Lower Upper
43 100
72 0.0 21.0 31.6#

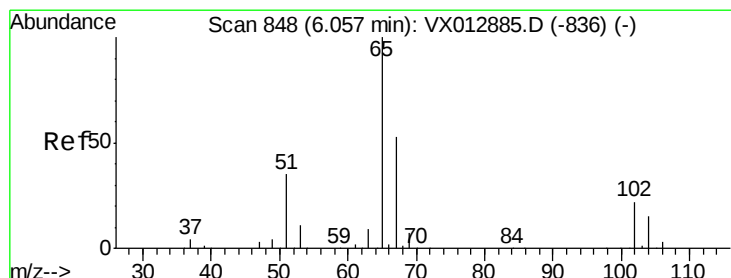
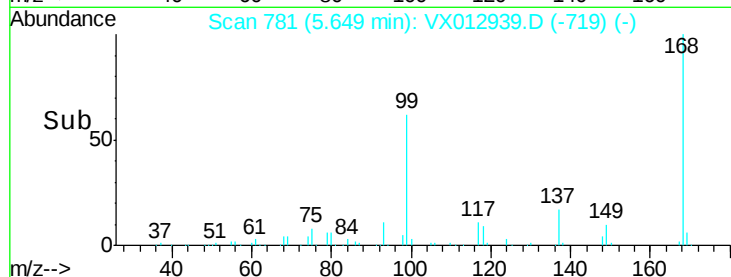
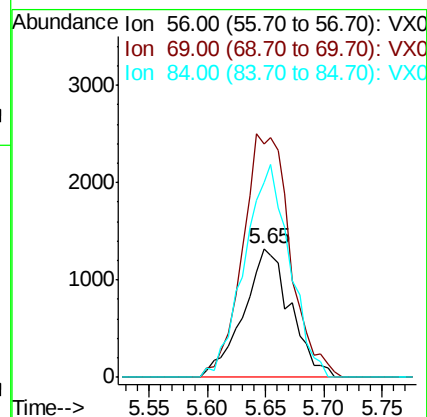
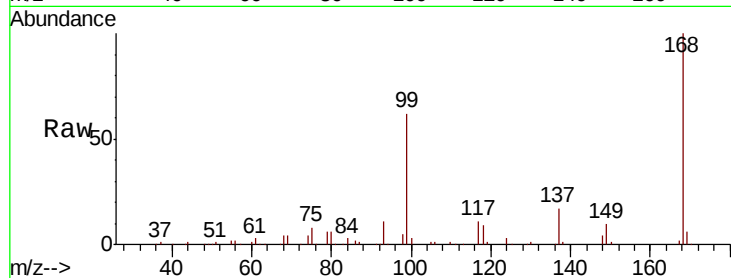




#31
Cyclohexane
Concen: 1.174 ug/l
RT: 5.65 min Scan# 781
Delta R.T. 0.08 min
Lab File: VX012939.D
Acq: 09 Oct 2019 13:49

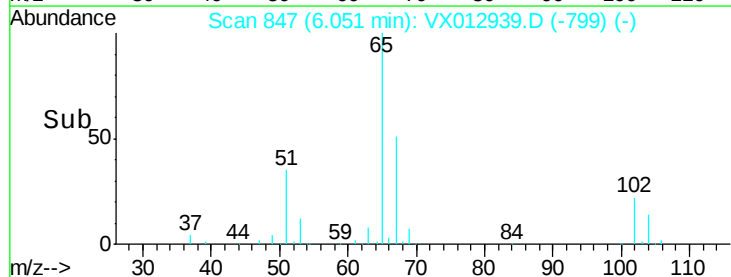
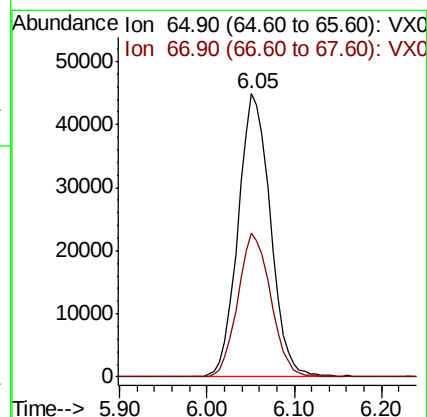
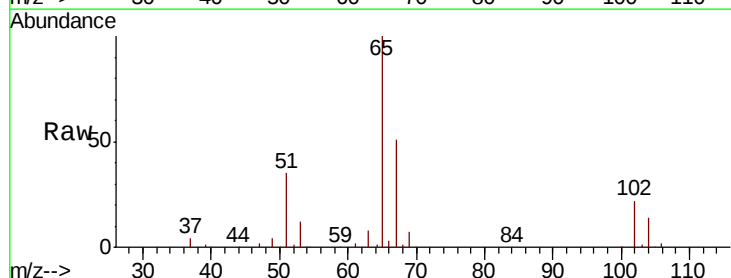
Instrument :
MSVOA_X
ClientSampleId :

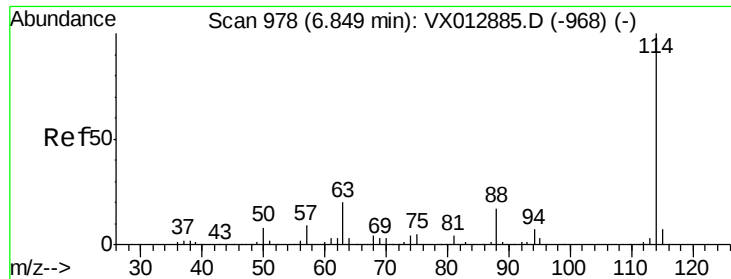
Tot Ion: 56 Resp: 3707
Ion Ratio Lower Upper
56 100
69 181.8 25.2 37.8#
84 151.5 71.3 106.9#



#33
1,2-Dichloroethane-d4
Concen: 52.995 ug/l
RT: 6.05 min Scan# 847
Delta R.T. -0.01 min
Lab File: VX012939.D
Acq: 09 Oct 2019 13:49

Tgt Ion: 65 Resp: 115325
Ion Ratio Lower Upper
65 100
67 51.9 0.0 104.4

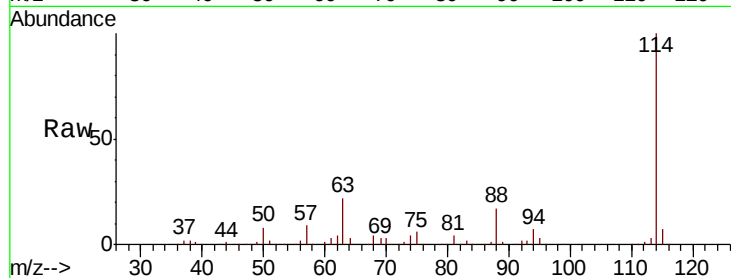




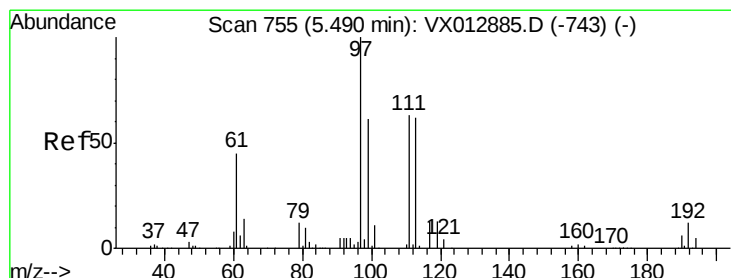
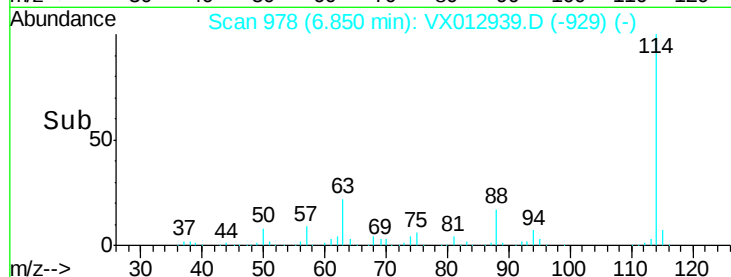
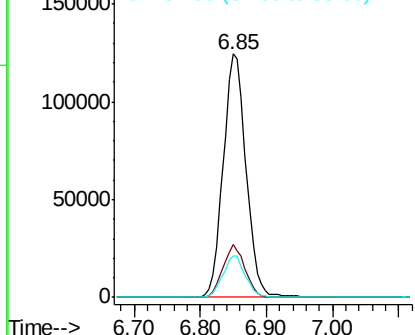
#34
 1,4-Difluorobenzene
 Concen: 50.000 ug/l
 RT: 6.85 min Scan# 978
 Delta R.T. 0.00 min
 Lab File: VX012939.D
 Acq: 09 Oct 2019 13:49

Instrument :
 MSVOA_X
 ClientSampleId :

Tot Ion:114 Resp: 298562
 Ion Ratio Lower Upper
 114 100
 63 21.9 0.0 40.8
 88 17.1 0.0 33.8

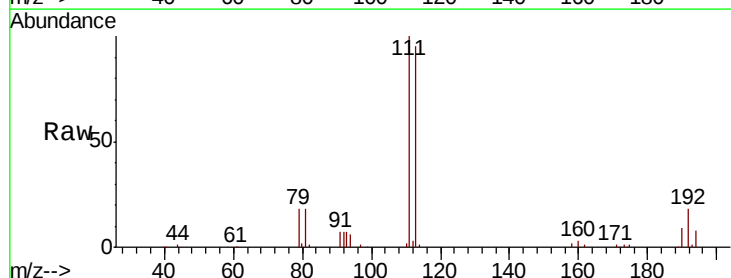


Abundance Ion 113.90 (113.60 to 114.60): V
 Ion 63.00 (62.70 to 63.70): VX0
 Ion 87.90 (87.60 to 88.60): VX0

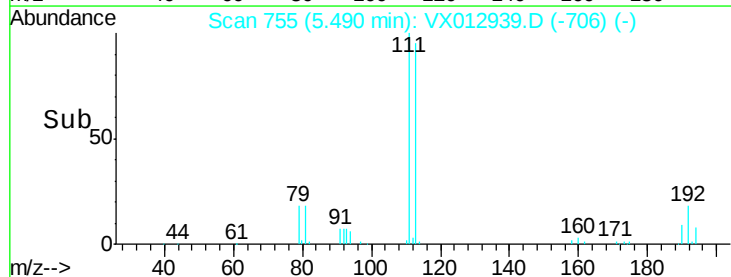
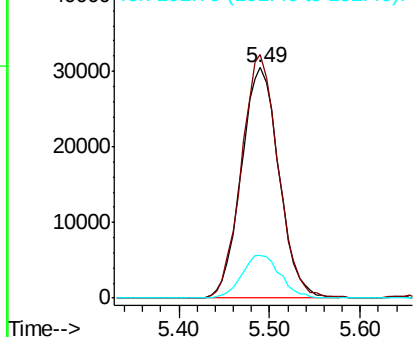


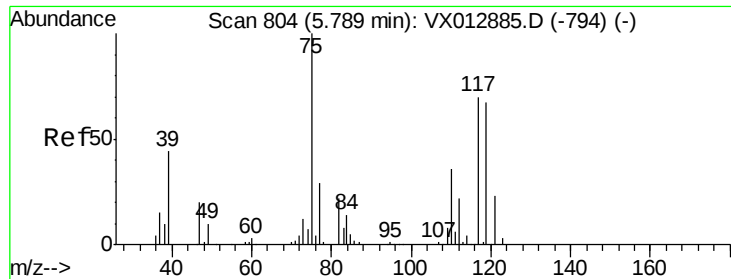
#35
 Dibromofluoromethane
 Concen: 51.274 ug/l
 RT: 5.49 min Scan# 755
 Delta R.T. 0.00 min
 Lab File: VX012939.D
 Acq: 09 Oct 2019 13:49

Tgt Ion:113 Resp: 87862
 Ion Ratio Lower Upper
 113 100
 111 103.0 83.2 124.8
 192 18.8 15.4 23.2



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

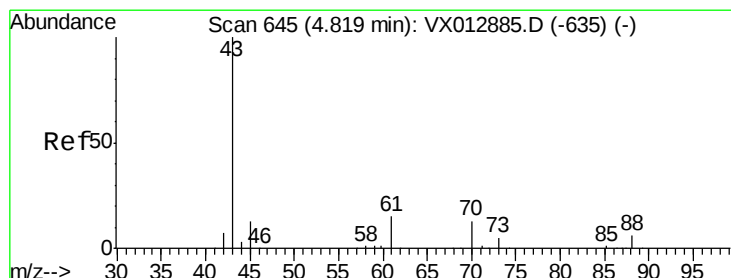
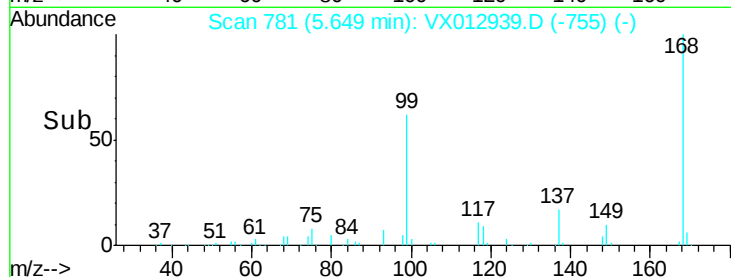
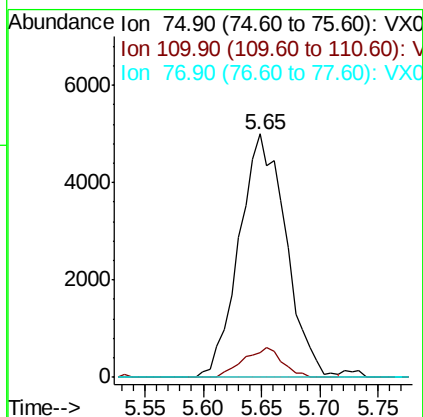
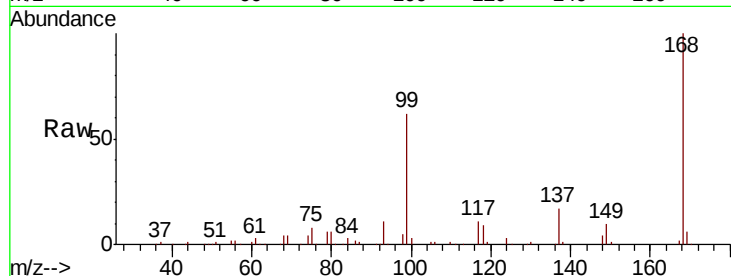




#36
 1,1-Dichloropropene
 Concen: 5.304 ug/l
 RT: 5.65 min Scan# 781
 Delta R.T. -0.14 min
 Lab File: VX012939.D
 Acq: 09 Oct 2019 13:49

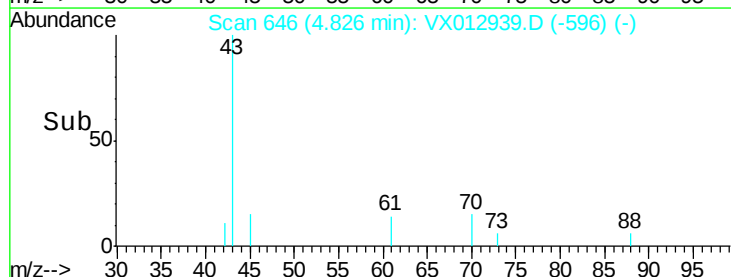
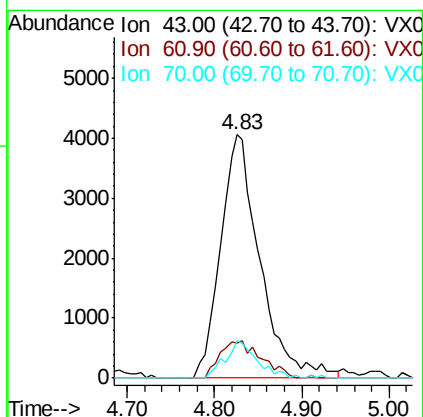
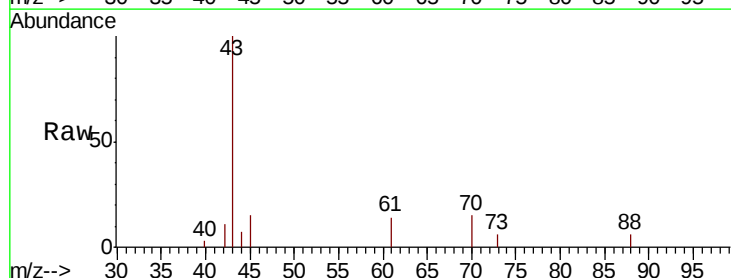
Instrument :
 MSVOA_X
 ClientSampleId :

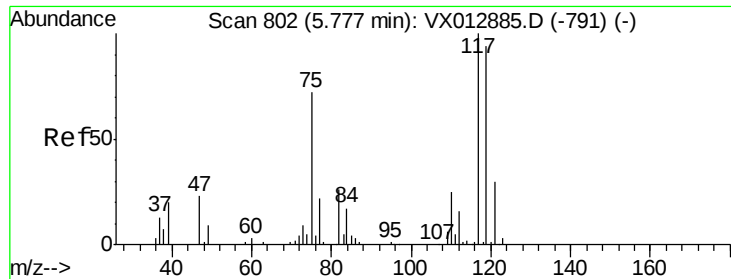
Tot Ion: 75 Resp: 13924
 Ion Ratio Lower Upper
 75 100
 110 10.0 17.6 52.9#
 77 0.0 24.4 36.6#



#37
 Ethyl Acetate
 Concen: 4.304 ug/l
 RT: 4.83 min Scan# 646
 Delta R.T. 0.01 min
 Lab File: VX012939.D
 Acq: 09 Oct 2019 13:49

Tgt Ion: 43 Resp: 12634
 Ion Ratio Lower Upper
 43 100
 61 16.2 11.4 17.0
 70 12.7 9.8 14.6

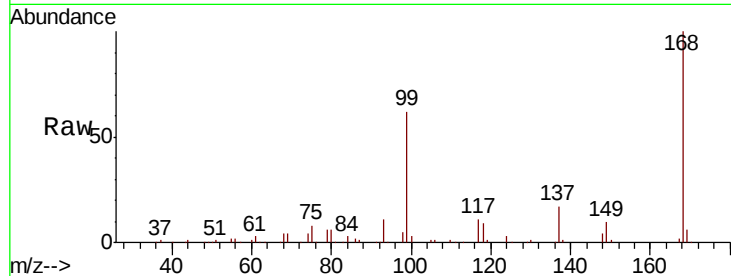




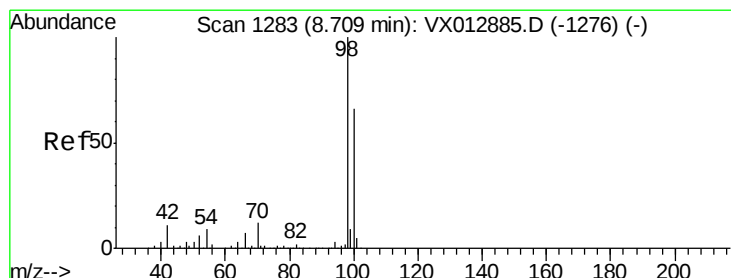
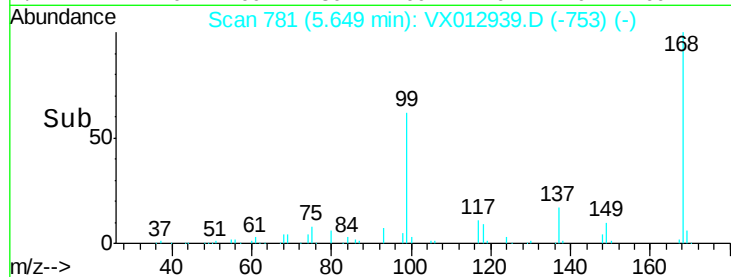
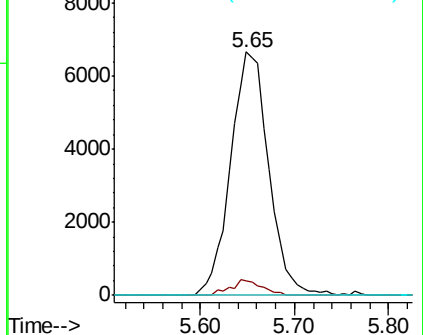
#38
Carbon Tetrachloride
Concen: 7.366 ug/l
RT: 5.65 min Scan# 781
Delta R.T. -0.13 min
Lab File: VX012939.D
Acq: 09 Oct 2019 13:49

Instrument :
MSVOA_X
ClientSampleId :

Tot Ion:117 Resp: 18819
Ion Ratio Lower Upper
117 100
119 6.0 74.5 111.7#
121 0.0 24.2 36.4#

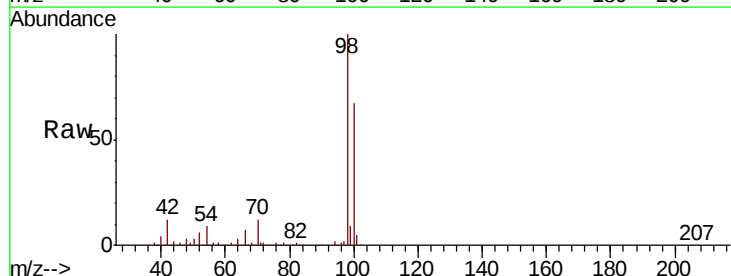


Abundance Ion 116.80 (116.50 to 117.50): V
Ion 118.80 (118.50 to 119.50): V
Ion 120.80 (120.50 to 121.50): V

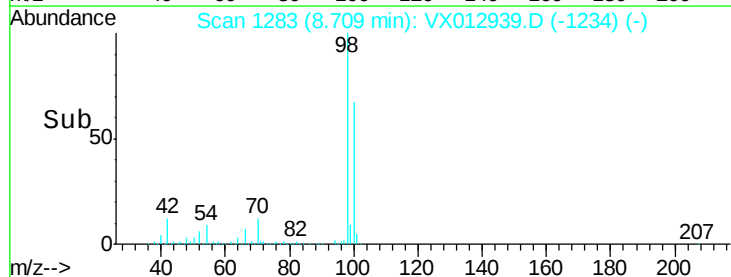
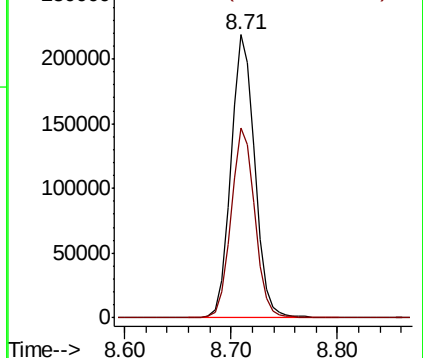


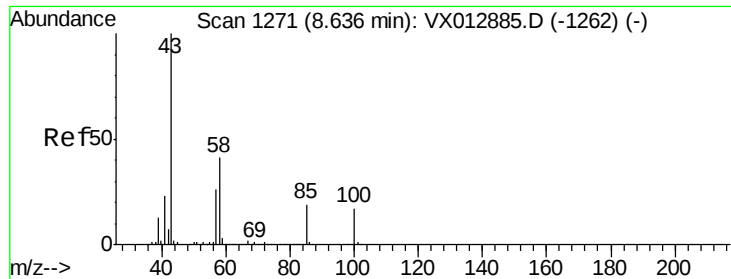
#50
Toluene-d8
Concen: 51.381 ug/l
RT: 8.71 min Scan# 1283
Delta R.T. 0.00 min
Lab File: VX012939.D
Acq: 09 Oct 2019 13:49

Tgt Ion: 98 Resp: 343397
Ion Ratio Lower Upper
98 100
100 67.2 53.4 80.2



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





#51

4-Methyl-2-Pentanone

Concen: 0.493 ug/l

RT: 8.71 min Scan# 1283

Delta R.T. 0.07 min

Lab File: VX012939.D

Acq: 09 Oct 2019 13:49

Instrument :

MSVOA_X

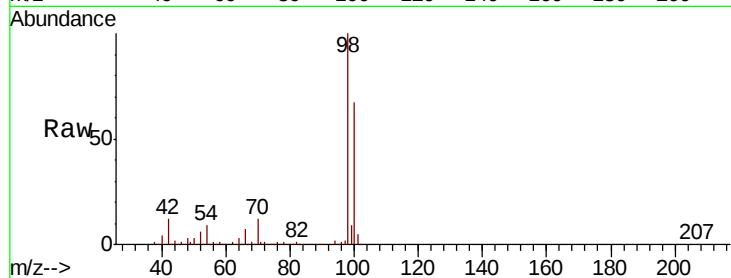
ClientSampled :

Tot Ion: 43 Resp: 1449

Ion Ratio Lower Upper

43 100

58 197.1 32.4 48.6#

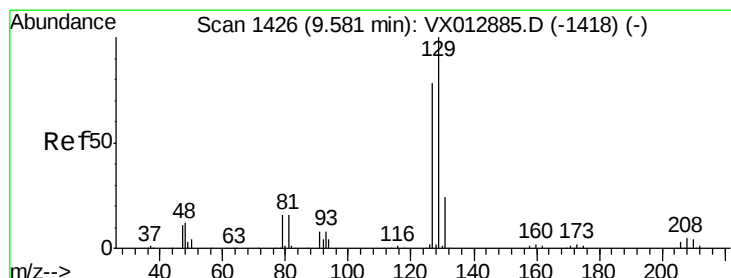
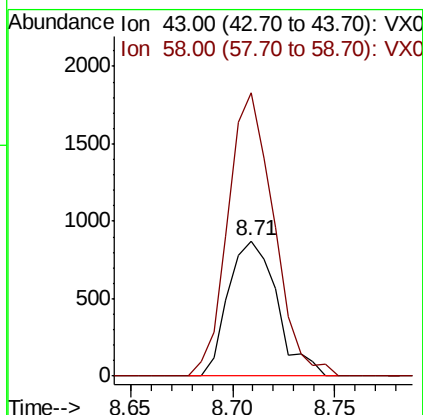
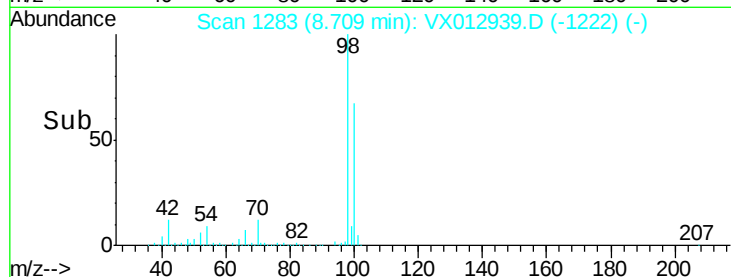


Abundance Ion 43.00 (42.70 to 43.70): VX012885.D (-1262) (-)

Ion 58.00 (57.70 to 58.70): VX012885.D (-1262) (-)

8.71

Time-->



#60

Dibromochloromethane

Concen: 1.900 ug/l

RT: 9.34 min Scan# 1386

Delta R.T. -0.24 min

Lab File: VX012939.D

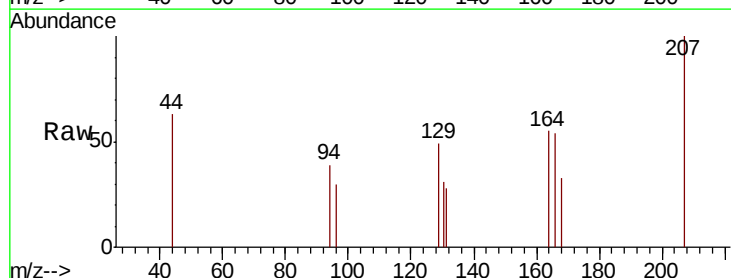
Acq: 09 Oct 2019 13:49

Tgt Ion: 129 Resp: 98

Ion Ratio Lower Upper

129 100

127 0.0 38.9 116.7#

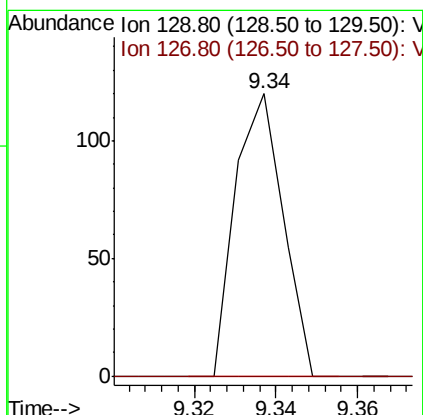
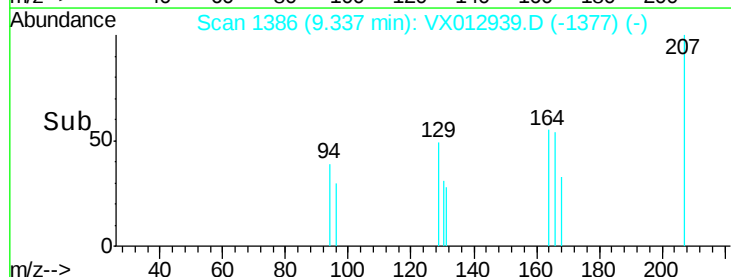


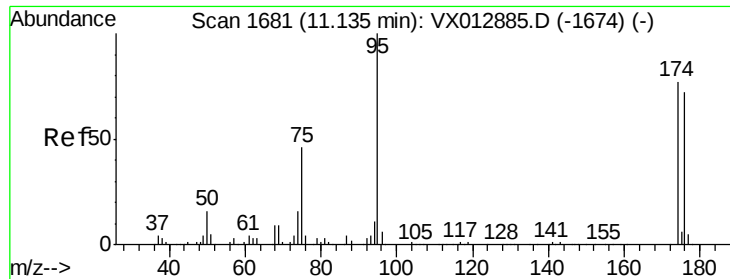
Abundance Ion 128.80 (128.50 to 129.50): VX012885.D (-1418) (-)

Ion 126.80 (126.50 to 127.50): VX012885.D (-1418) (-)

9.34

Time-->





#62

4-Bromofluorobenzene

Concen: 43.569 ug/l

RT: 11.14 min Scan# 1681

Delta R.T. 0.00 min

Lab File: VX012939.D

Acq: 09 Oct 2019 13:49

Instrument :

MSVOA_X

ClientSampleId :

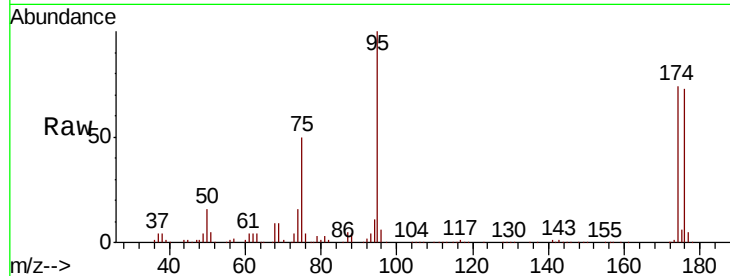
Tot Ion: 95 Resp: 113143

Ion Ratio Lower Upper

95 100

174 71.6 0.0 143.4

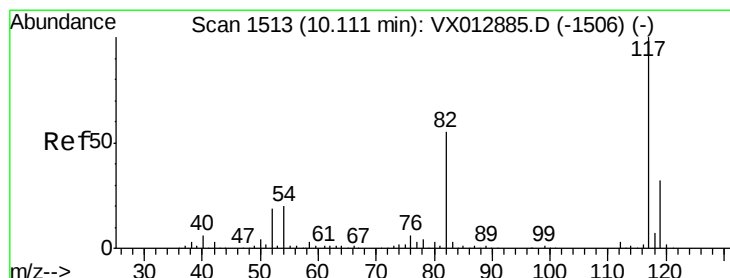
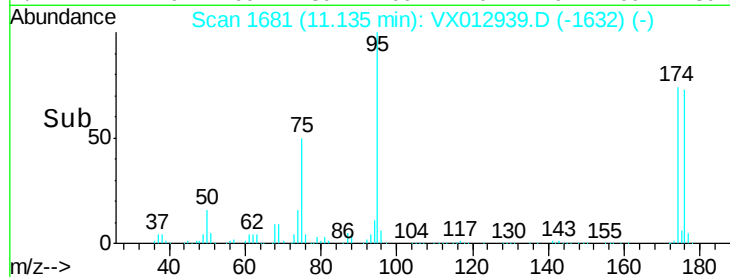
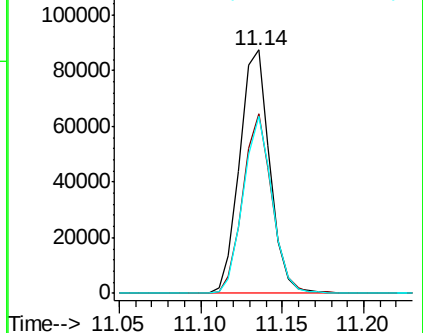
176 70.0 0.0 136.0



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: VX012939.D

Acq: 09 Oct 2019 13:49

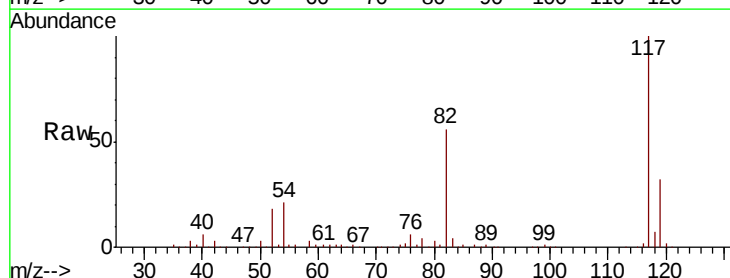
Tgt Ion: 117 Resp: 247266

Ion Ratio Lower Upper

117 100

82 55.8 44.1 66.1

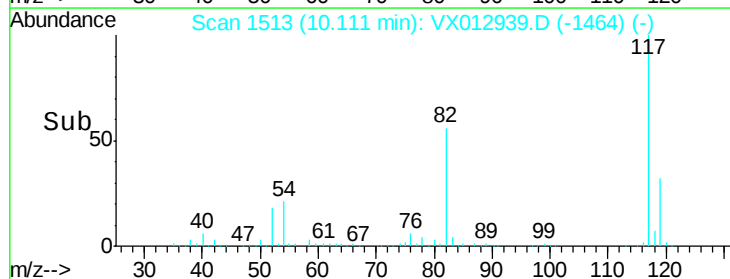
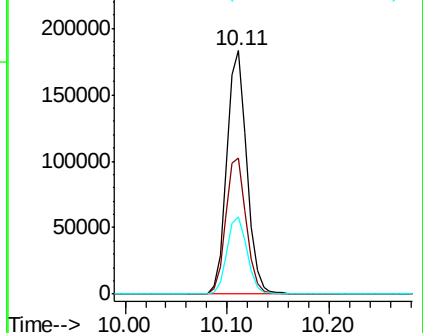
119 31.7 25.8 38.8

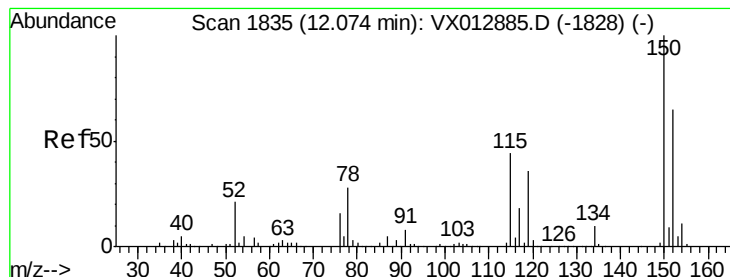


Abundance Ion 116.90 (116.60 to 117.60): V

Ion 82.00 (81.70 to 82.70): VX0

Ion 118.90 (118.60 to 119.60): V





#72

1,4-Dichlorobenzene-d4

Concen: 50.000 ug/l

RT: 12.07 min Scan# 1835

Delta R.T. 0.00 min

Lab File: VX012939.D

Acq: 09 Oct 2019 13:49

Instrument :

MSVOA_X

ClientSampleId :

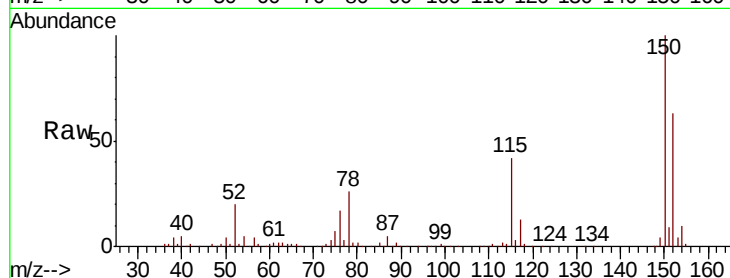
Tot Ion:152 Resp: 91176

Ion Ratio Lower Upper

152 100

115 64.4 44.5 133.5

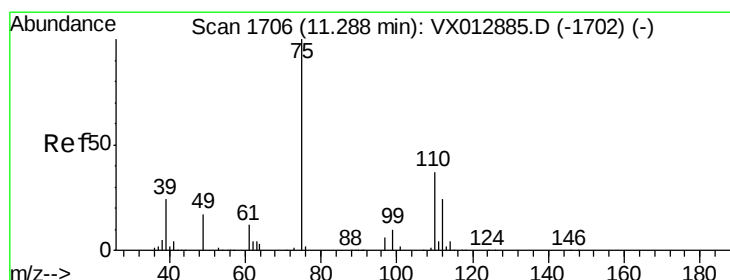
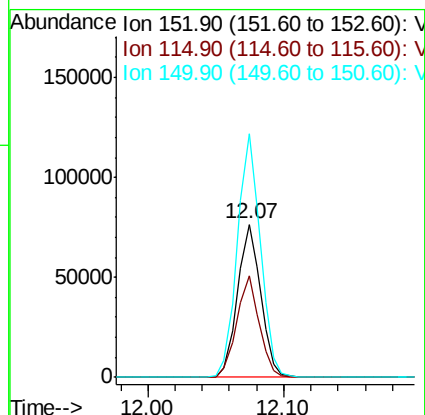
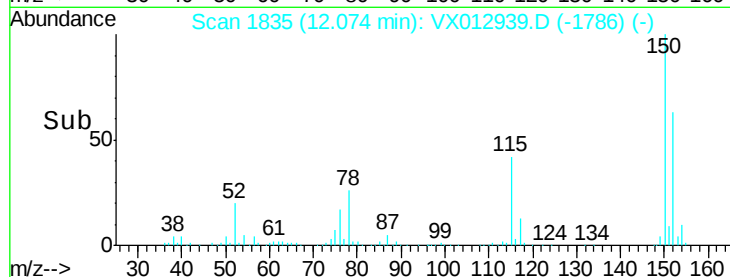
150 157.7 0.0 353.4



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: 28.302 ug/l

RT: 11.14 min Scan# 1681

Delta R.T. -0.15 min

Lab File: VX012939.D

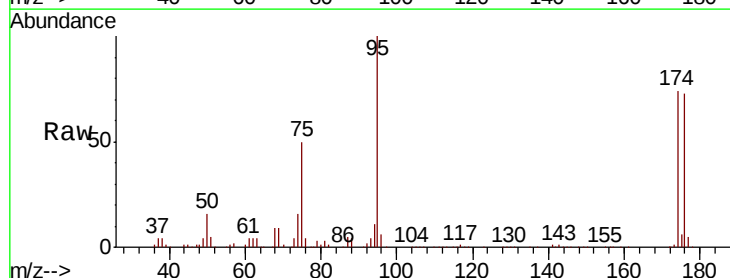
Acq: 09 Oct 2019 13:49

Tgt Ion: 75 Resp: 57235

Ion Ratio Lower Upper

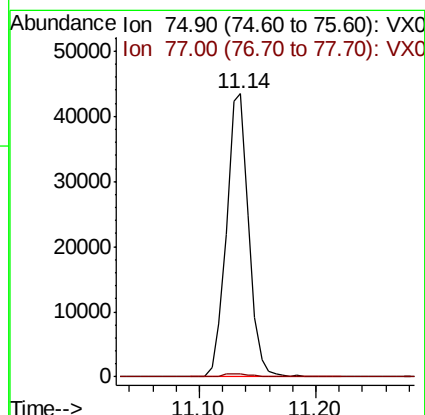
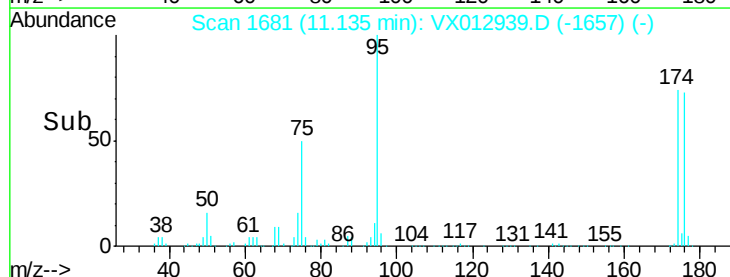
75 100

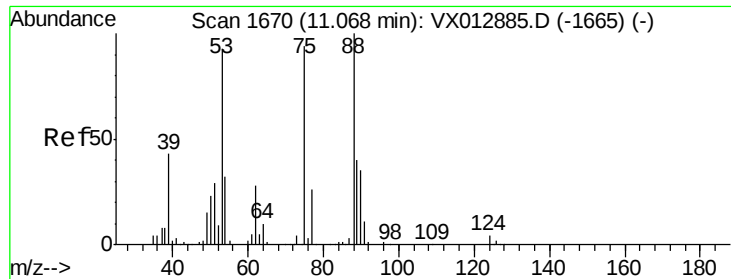
77 1.3 22.9 68.8#



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: 70.918 ug/l

RT: 11.14 min Scan# 1681

Delta R.T. 0.07 min

Lab File: VX012939.D

Acq: 09 Oct 2019 13:49

Instrument :

MSVOA_X

ClientSampleId :

Tot Ion: 75 Resp: 57235

Ion Ratio Lower Upper

75 100

53 0.0 78.5 117.7#

89 0.0 37.4 56.2#

