

Data Path : Z:\VOASRV\HPCHEM1\MSVOA X\DATA\VX101019\
 Data File : VX012998.D
 Acq On : 10 Oct 2019 16:07
 Operator : JC/SP
 Sample : K5290-09
 Misc : 5.0mL/MSVOA X/WATER
 ALS Vial : 18 Sample Multiplier: 1

Instrument :
 MSVOA_X
 ClientSampleId :
 FA19-JMW3601

Quant Time: Oct 11 04:37:43 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	168296	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	6.86	114	284067	50.00	ug/l	0.00
63) Chlorobenzene-d5	10.11	117	240986	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	12.07	152	87420	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	110705	52.63	ug/l	0.00
Spiked Amount			Recovery	=	105.26%	
35) Dibromofluoromethane	5.49	113	84895	52.07	ug/l	0.00
Spiked Amount			Recovery	=	104.14%	
50) Toluene-d8	8.71	98	331014	52.05	ug/l	0.00
Spiked Amount			Recovery	=	104.10%	
62) 4-Bromofluorobenzene	11.14	95	107754	43.61	ug/l	0.00
Spiked Amount			Recovery	=	87.22%	

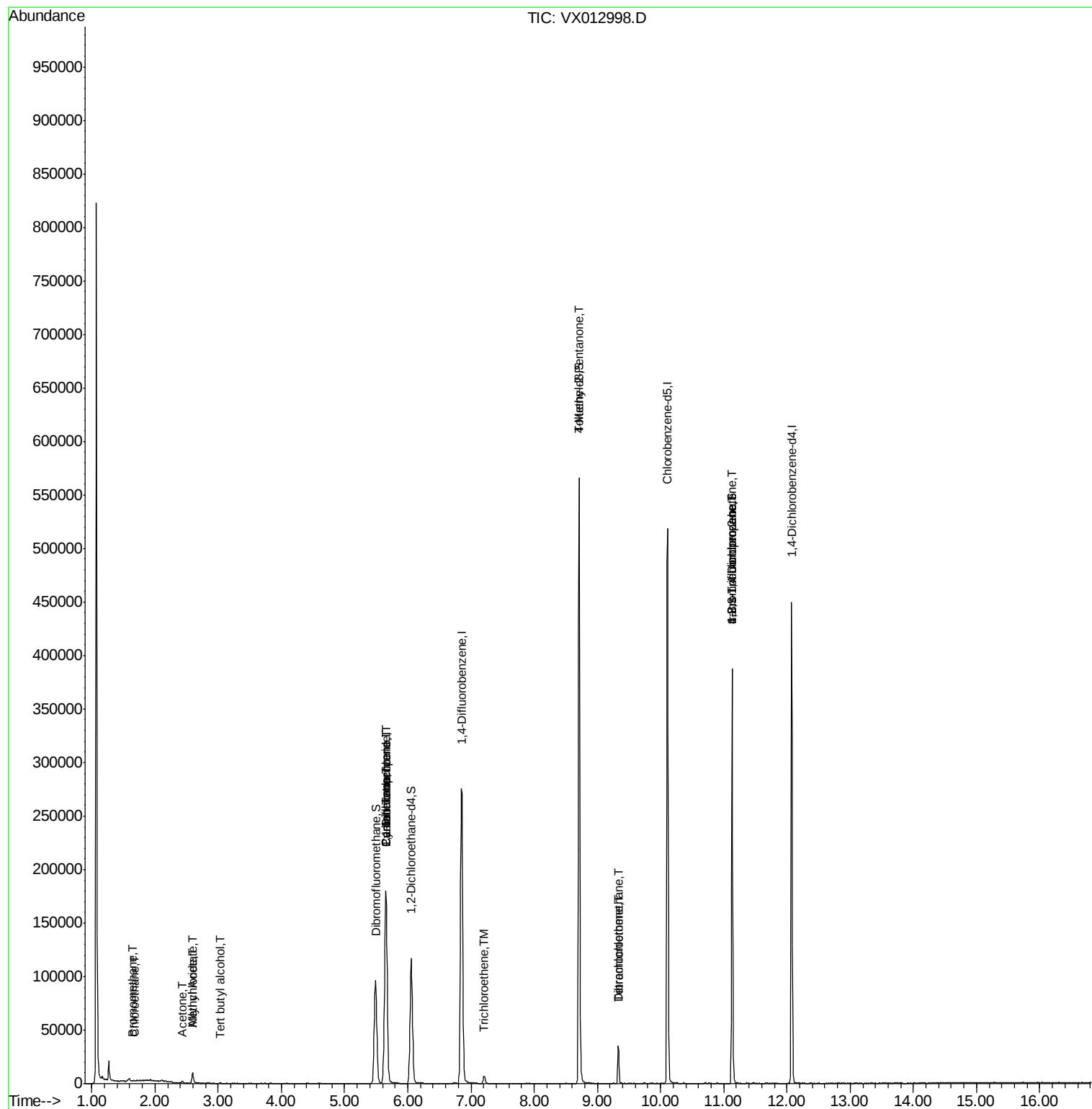
Target Compounds	R.T.	QIon	Response	Conc	Units	Qvalue
5) Bromomethane	1.64	94	162	0.202	ug/l #	64
6) Chloroethane	1.68	64	939	1.159	ug/l #	43
11) Tert butyl alcohol	3.03	59	252	0.452	ug/l #	72
14) Allyl chloride	2.59	41	1057	0.349	ug/l #	61
16) Acetone	2.44	43	1943	1.752	ug/l	96
18) Methyl Acetate	2.59	43	3067	1.167	ug/l #	51
31) Cyclohexane	5.65	56	3917	1.283	ug/l #	30
36) 1,1-Dichloropropene	5.65	75	13621	5.454	ug/l #	51
38) Carbon Tetrachloride	5.65	117	18085	7.439	ug/l #	17
44) Trichloroethene	7.20	130	2870	1.403	ug/l	92
51) 4-Methyl-2-Pentanone	8.70	43	1425	0.510	ug/l #	1
60) Dibromochloromethane	9.33	129	6639	4.933	ug/l #	10
64) Tetrachloroethene	9.33	164	6588	3.941	ug/l	91
76) 1,2,3-Trichloropropane	11.14	75	54921	28.325	ug/l #	32
81) trans-1,4-Dichloro-2-buten	11.14	75	54921	70.971	ug/l #	10

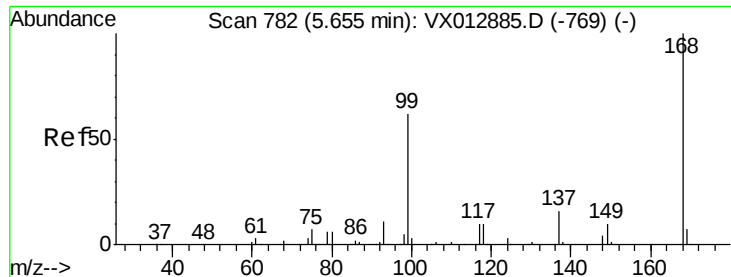
(#) = qualifier out of range (m) = manual integration (+) = signals summed

Data Path : Z:\V0ASRV\HPCHEM1\MSVOA X\DATA\VX101019\
Data File : VX012998.D
Acq On : 10 Oct 2019 16:07
Operator : JC/SP
Sample : K5290-09
Misc : 5.0mL/MSVOA X/WATER
ALS Vial : 18 Sample Multiplier: 1

Instrument :
MSVOA_X
ClientSampleId :
FA19-JMW3601

Quant Time: Oct 11 04:37:43 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: VX012998.D

Acq: 10 Oct 2019 16:07

Instrument :

MSVOA_X

ClientSampleId :

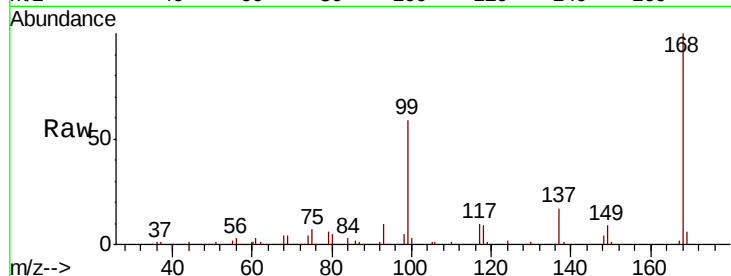
FA19-JMW3601

Tot Ion:168 Resp: 168296

Ion Ratio Lower Upper

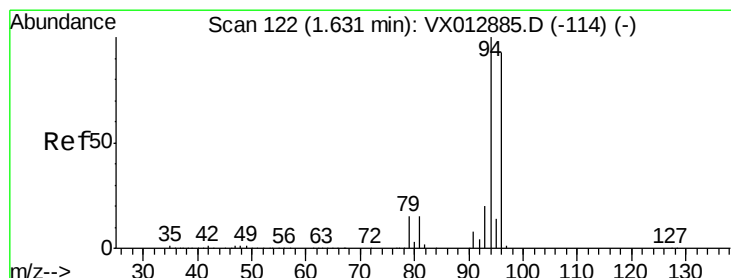
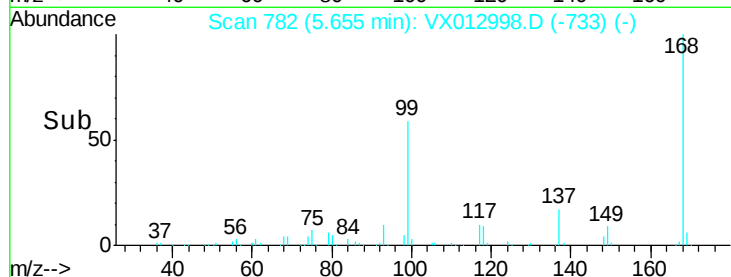
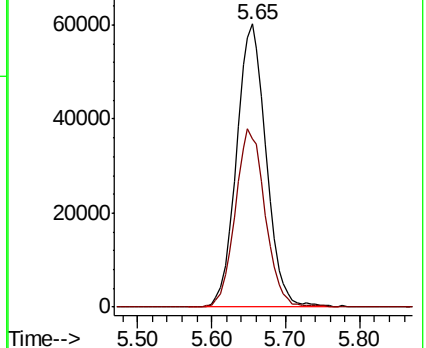
168 100

99 59.3 49.4 74.0



Abundance Ion 167.90 (167.60 to 168.60): V

Ion 98.90 (98.60 to 99.60): VX0



#5

Bromomethane

Concen: 0.202 ug/l

RT: 1.64 min Scan# 124

Delta R.T. 0.01 min

Lab File: VX012998.D

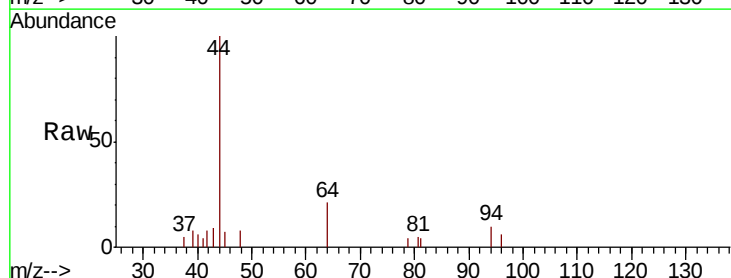
Acq: 10 Oct 2019 16:07

Tgt Ion: 94 Resp: 162

Ion Ratio Lower Upper

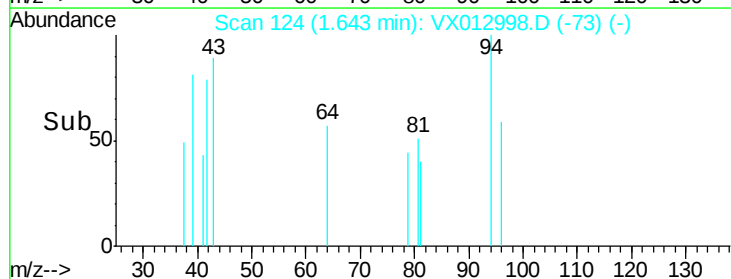
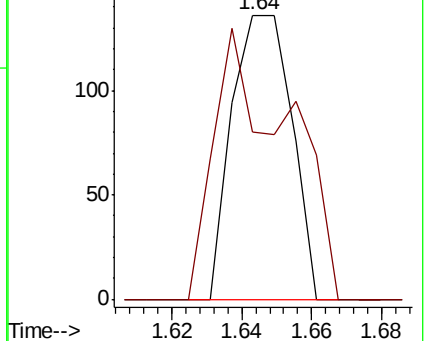
94 100

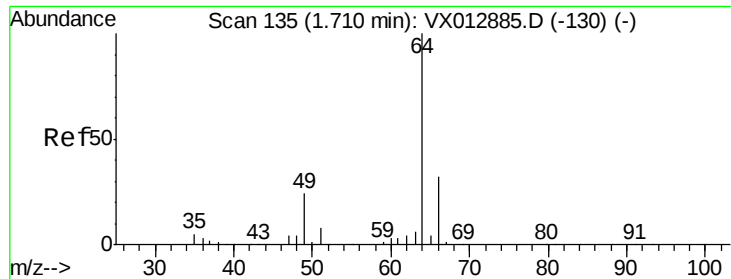
96 58.8 74.7 112.1#



Abundance Ion 93.90 (93.60 to 94.60): VX0

Ion 95.90 (95.60 to 96.60): VX0

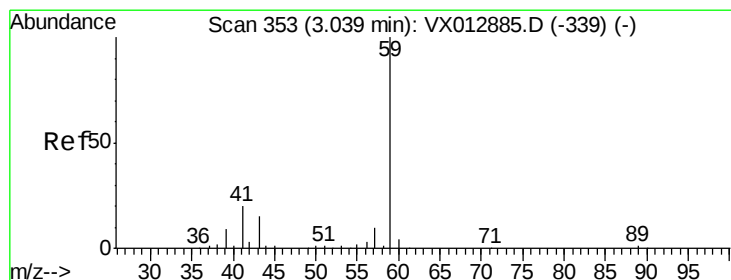
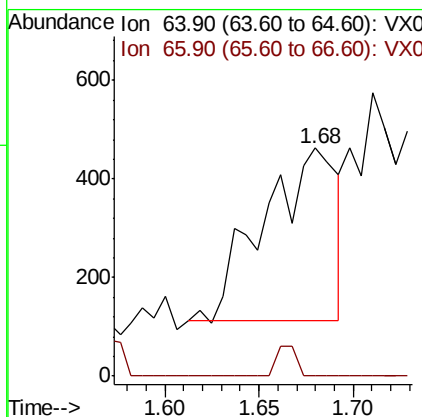
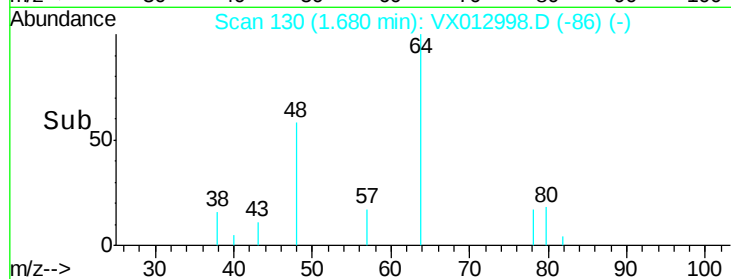
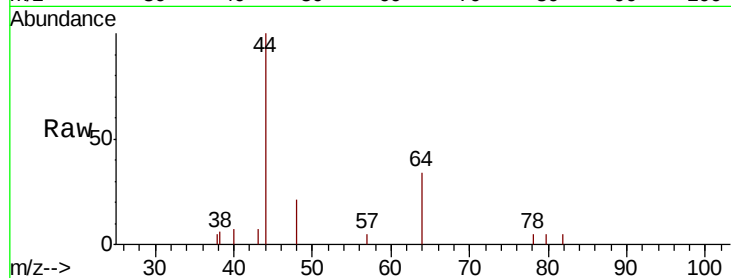




#6
Chloroethane
Concen: 1.159 ug/l
RT: 1.68 min Scan# 130
Delta R.T. -0.03 min
Lab File: VX012998.D
Acq: 10 Oct 2019 16:07

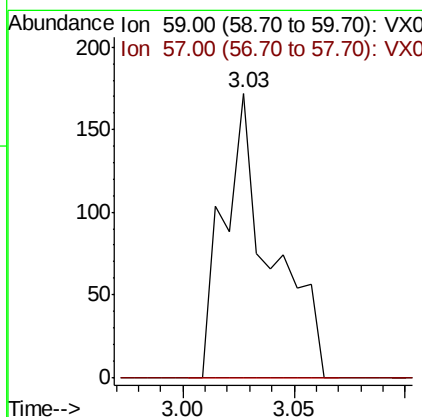
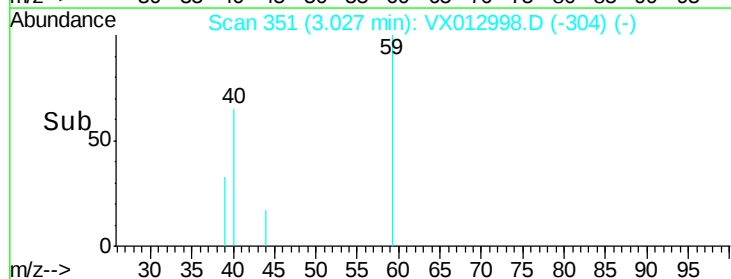
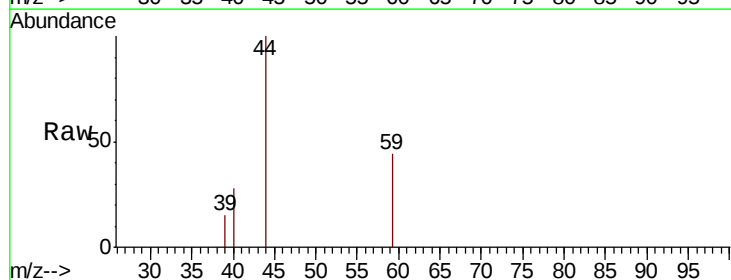
Instrument :
MSVOA_X
ClientSampleId :
FA19-JMW3601

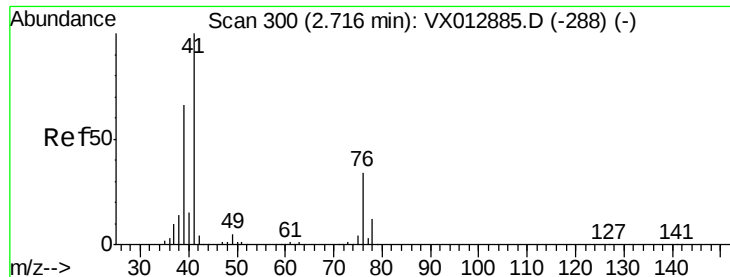
Tot Ion: 64 Resp: 939
Ion Ratio Lower Upper
64 100
66 0.0 25.6 38.4#



#11
Tert butyl alcohol
Concen: 0.452 ug/l
RT: 3.03 min Scan# 351
Delta R.T. -0.01 min
Lab File: VX012998.D
Acq: 10 Oct 2019 16:07

Tgt Ion: 59 Resp: 252
Ion Ratio Lower Upper
59 100
57 0.0 8.3 12.5#





#14

Allvl chloride

Concen: 0.349 ug/l

RT: 2.59 min Scan# 280

Delta R.T. -0.12 min

Lab File: VX012998.D

Acq: 10 Oct 2019 16:07

Instrument :

MSVOA_X

ClientSampleId :

FA19-JMW3601

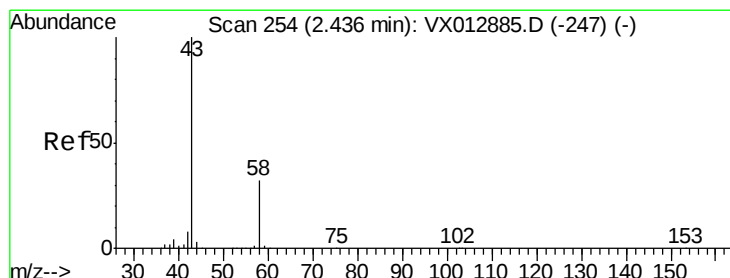
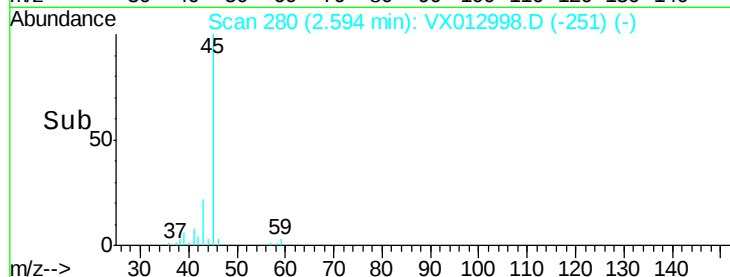
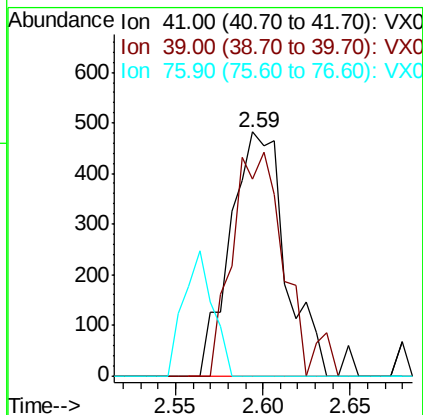
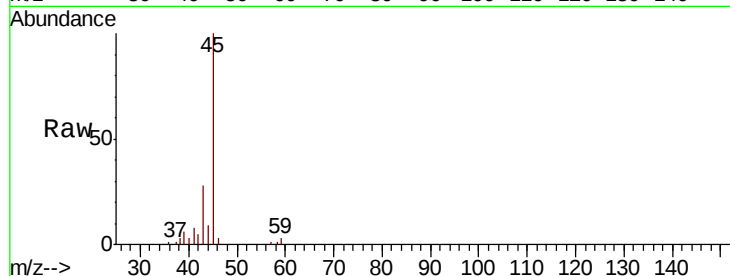
Tot Ion: 41 Resp: 1057

Ion Ratio Lower Upper

41 100

39 87.0 51.0 76.6#

76 0.0 26.2 39.4#



#16

Acetone

Concen: 1.752 ug/l

RT: 2.44 min Scan# 254

Delta R.T. 0.00 min

Lab File: VX012998.D

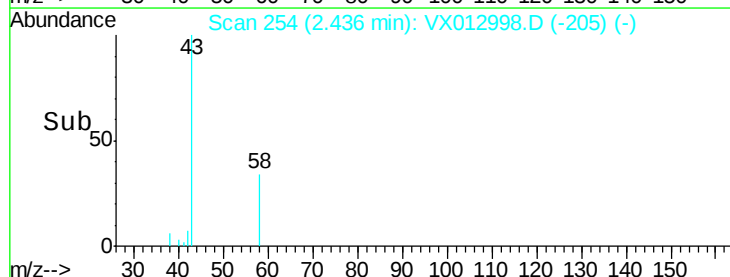
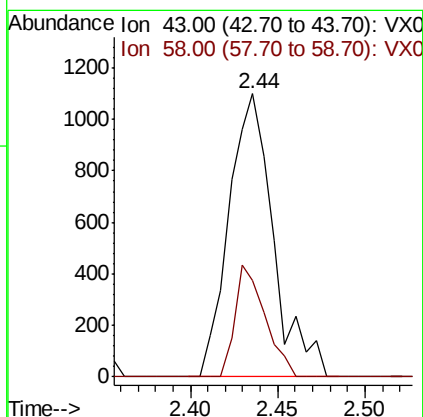
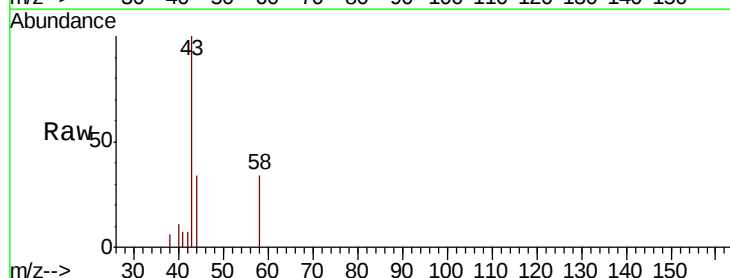
Acq: 10 Oct 2019 16:07

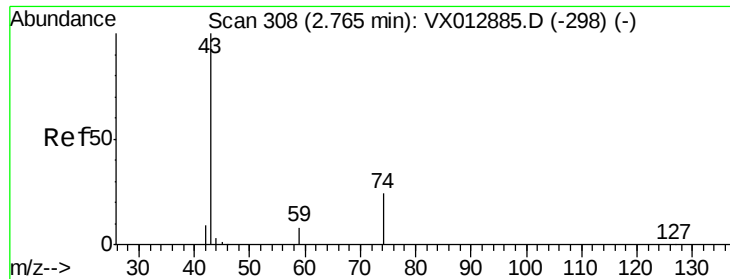
Tgt Ion: 43 Resp: 1943

Ion Ratio Lower Upper

43 100

58 33.9 25.4 38.2

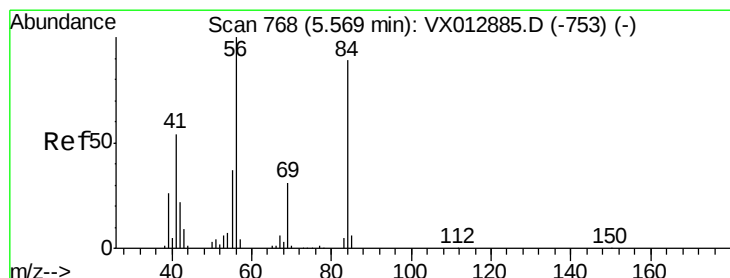
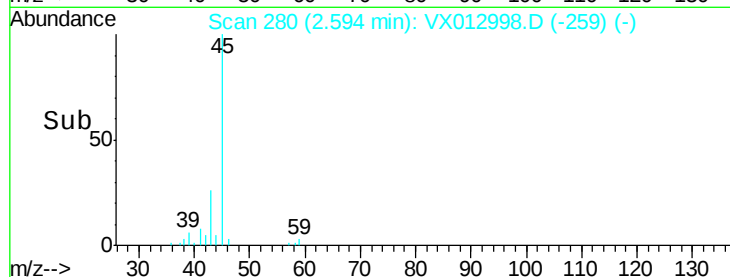
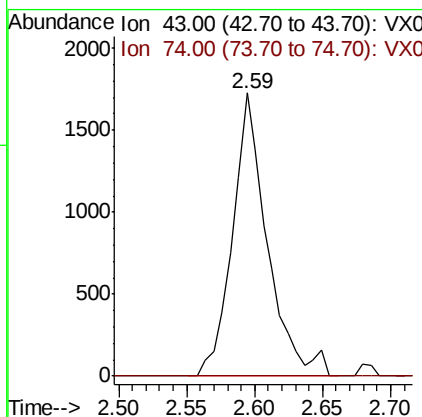
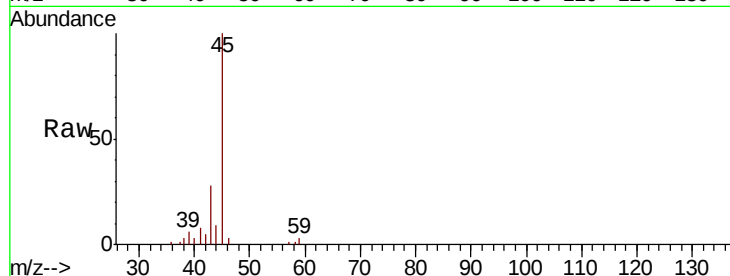




#18
Methvl Acetate
Concen: 1.167 ug/l
RT: 2.59 min Scan# 280
Delta R.T. -0.17 min
Lab File: VX012998.D
Acq: 10 Oct 2019 16:07

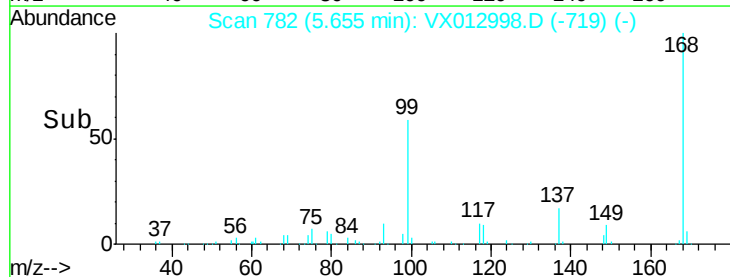
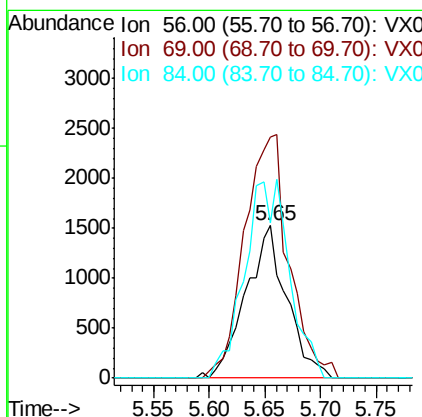
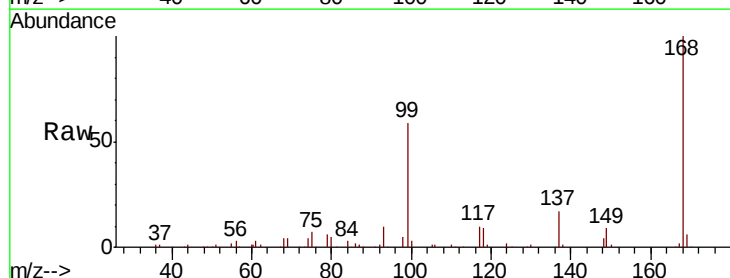
Instrument :
MSVOA_X
ClientSampleId :
FA19-JMW3601

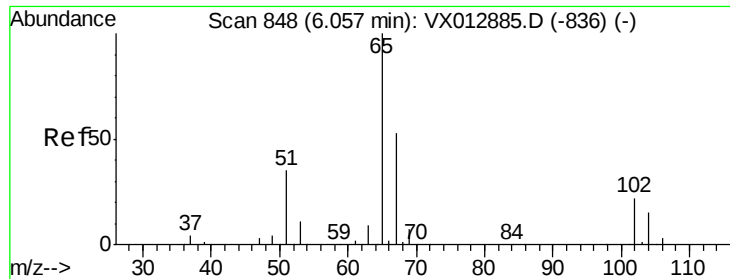
Tot Ion: 43 Resp: 3067
Ion Ratio Lower Upper
43 100
74 0.0 19.2 28.8#



#31
Cyclohexane
Concen: 1.283 ug/l
RT: 5.65 min Scan# 782
Delta R.T. 0.09 min
Lab File: VX012998.D
Acq: 10 Oct 2019 16:07

Tgt Ion: 56 Resp: 3917
Ion Ratio Lower Upper
56 100
69 157.9 25.2 37.8#
84 102.2 71.3 106.9

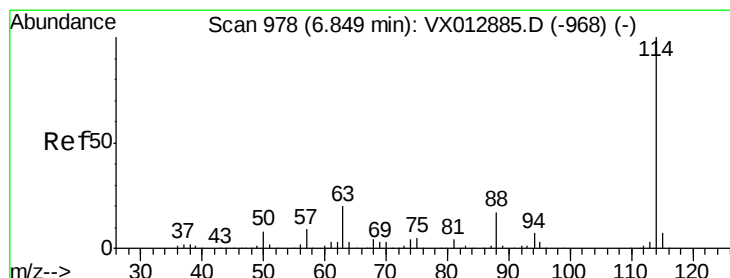
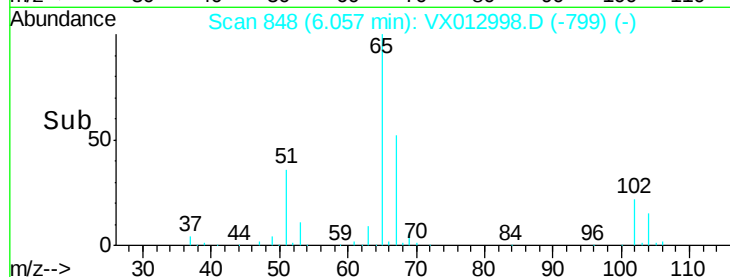
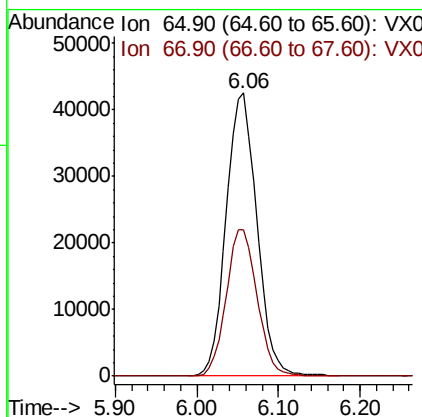
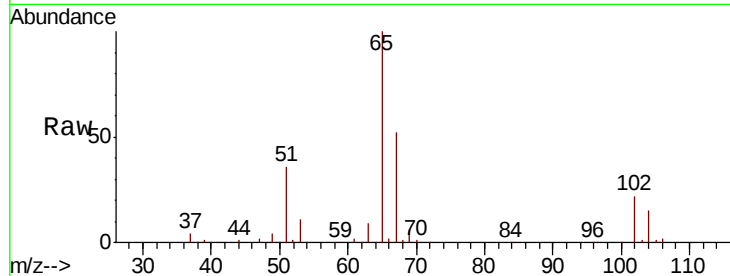




#33
 1,2-Dichloroethane-d4
 Concen: 52.629 ug/l
 RT: 6.06 min Scan# 848
 Delta R.T. 0.00 min
 Lab File: VX012998.D
 Acq: 10 Oct 2019 16:07

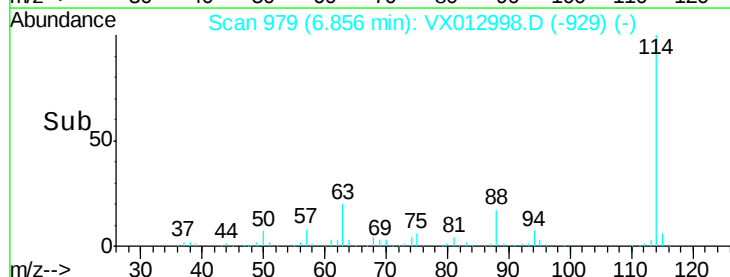
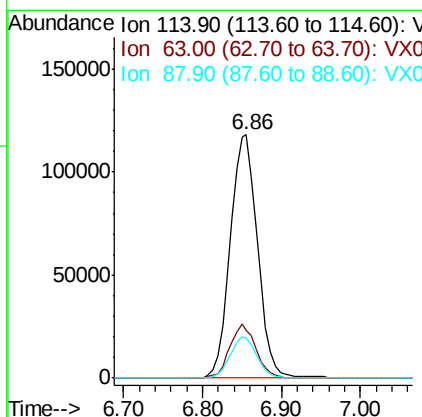
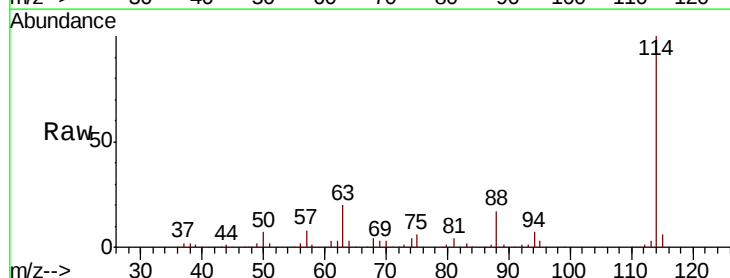
Instrument :
 MSVOA_X
 ClientSampleId :
 FA19-JMW3601

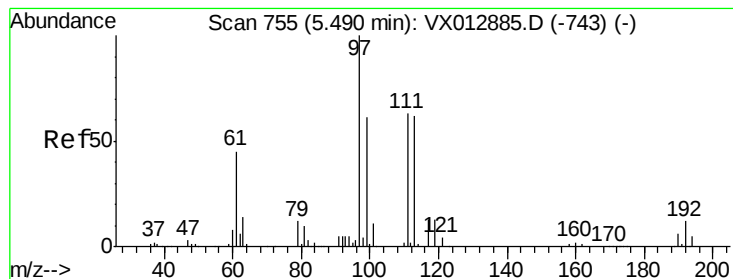
Tot Ion: 65 Resp: 110705
 Ion Ratio Lower Upper
 65 100
 67 51.9 0.0 104.4



#34
 1,4-Difluorobenzene
 Concen: 50.000 ug/l
 RT: 6.86 min Scan# 979
 Delta R.T. 0.01 min
 Lab File: VX012998.D
 Acq: 10 Oct 2019 16:07

Tgt Ion: 114 Resp: 284067
 Ion Ratio Lower Upper
 114 100
 63 19.8 0.0 40.8
 88 16.6 0.0 33.8





#35

Dibromofluoromethane

Concen: 52.070 ug/l

RT: 5.49 min Scan# 755

Delta R.T. 0.00 min

Lab File: VX012998.D

Acq: 10 Oct 2019 16:07

Instrument :

MSVOA_X

ClientSampleId :

FA19-JMW3601

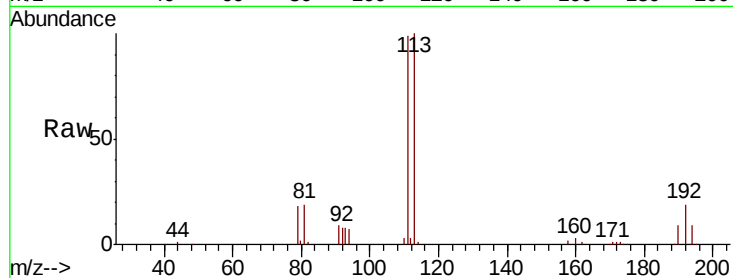
Tot Ion:113 Resp: 84895

Ion Ratio Lower Upper

113 100

111 102.4 83.2 124.8

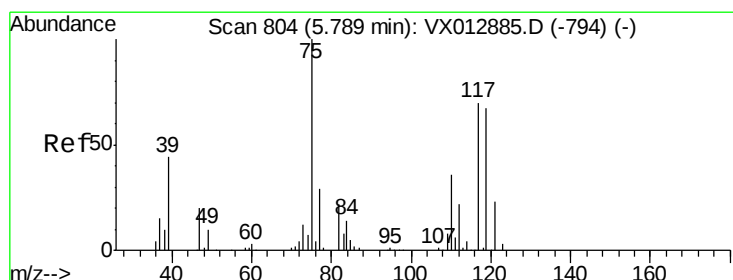
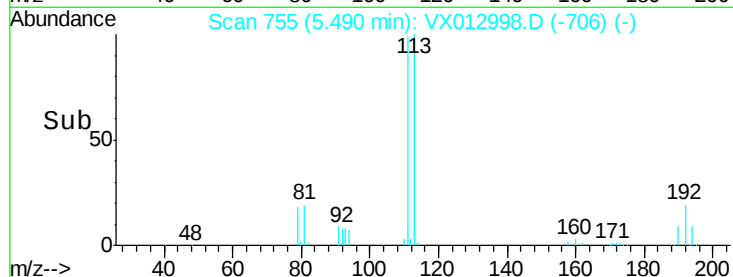
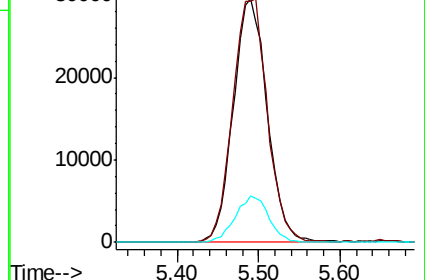
192 18.9 15.4 23.2



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: 5.454 ug/l

RT: 5.65 min Scan# 781

Delta R.T. -0.14 min

Lab File: VX012998.D

Acq: 10 Oct 2019 16:07

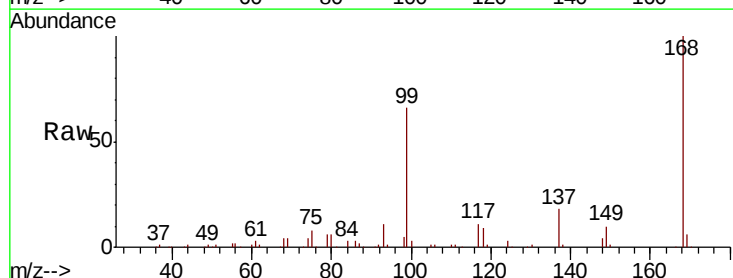
Tgt Ion: 75 Resp: 13621

Ion Ratio Lower Upper

75 100

110 10.0 17.6 52.9#

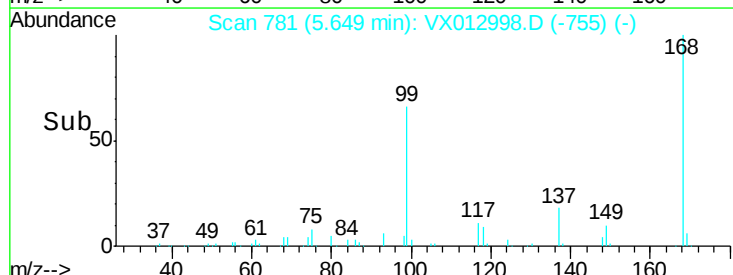
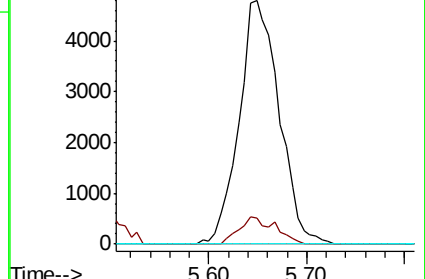
77 0.0 24.4 36.6#

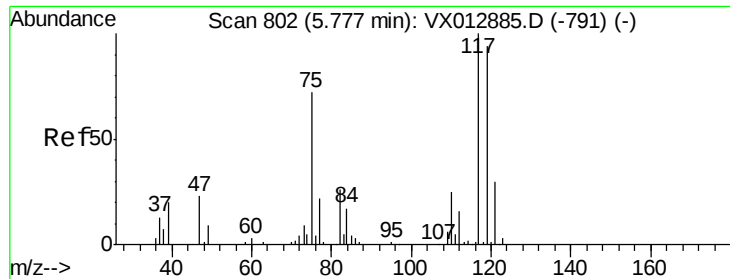


Abundance Ion 74.90 (74.60 to 75.60): VX0

Ion 109.90 (109.60 to 110.60): V

Ion 76.90 (76.60 to 77.60): VX0

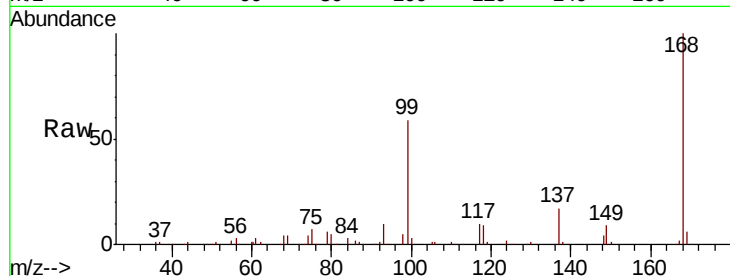




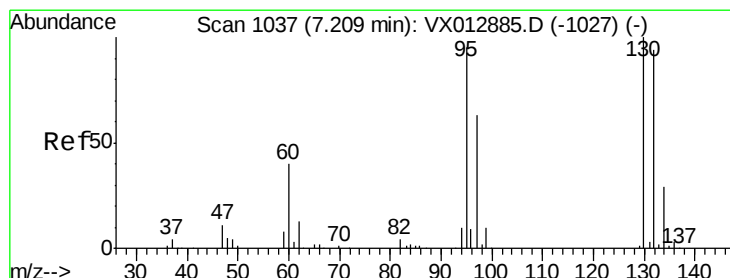
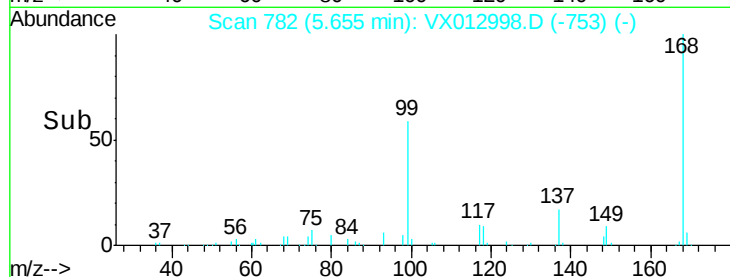
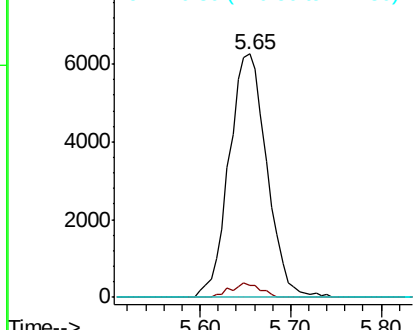
#38
Carbon Tetrachloride
Concen: 7.439 ug/l
RT: 5.65 min Scan# 782
Delta R.T. -0.12 min
Lab File: VX012998.D
Acq: 10 Oct 2019 16:07

Instrument :
MSVOA_X
ClientSampleId :
FA19-JMW3601

Tot Ion:117 Resp: 18085
Ion Ratio Lower Upper
117 100
119 5.1 74.5 111.7#
121 0.0 24.2 36.4#

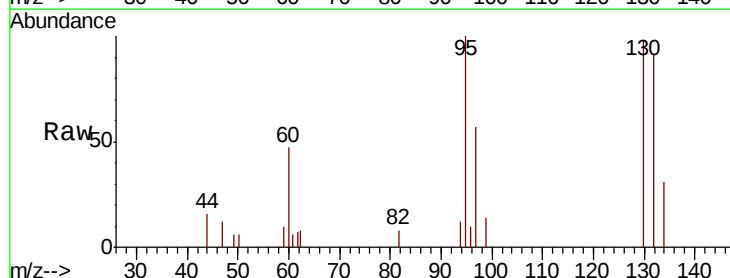


Abundance Ion 116.80 (116.50 to 117.50): V
Ion 118.80 (118.50 to 119.50): V
Ion 120.80 (120.50 to 121.50): V

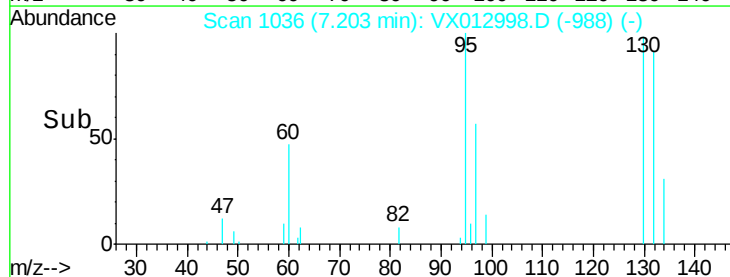
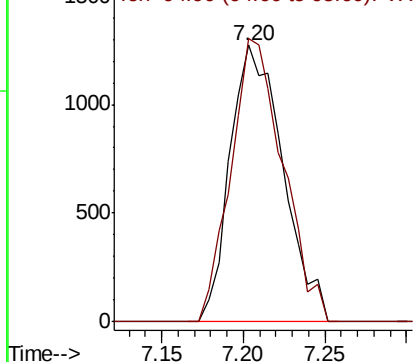


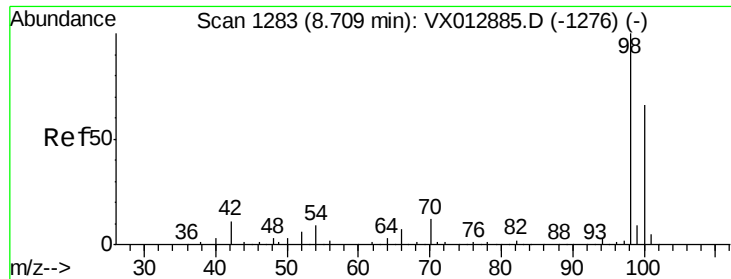
#44
Trichloroethene
Concen: 1.403 ug/l
RT: 7.20 min Scan# 1036
Delta R.T. -0.01 min
Lab File: VX012998.D
Acq: 10 Oct 2019 16:07

Tgt Ion:130 Resp: 2870
Ion Ratio Lower Upper
130 100
95 102.3 0.0 189.2



Abundance Ion 129.80 (129.50 to 130.50): V
Ion 94.90 (94.60 to 95.60): V





#50

Toluene-d8

Concen: 52.055 ug/l

RT: 8.71 min Scan# 1283

Delta R.T. 0.00 min

Lab File: VX012998.D

Acq: 10 Oct 2019 16:07

Instrument :

MSVOA_X

ClientSampleId :

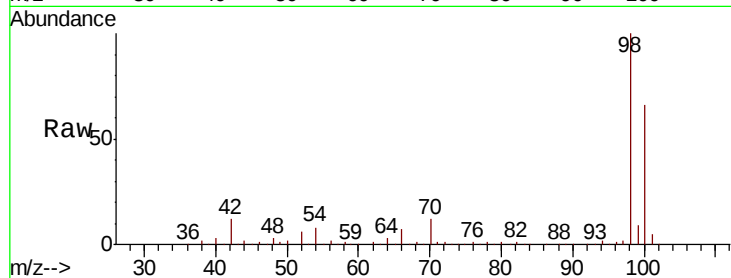
FA19-JMW3601

Tot Ion: 98 Resp: 331014

Ion Ratio Lower Upper

98 100

100 67.1 53.4 80.2



Abundance Ion 98.00 (97.70 to 98.70): VX0

Ion 100.00 (99.70 to 100.70): VX0

8.71

250000

200000

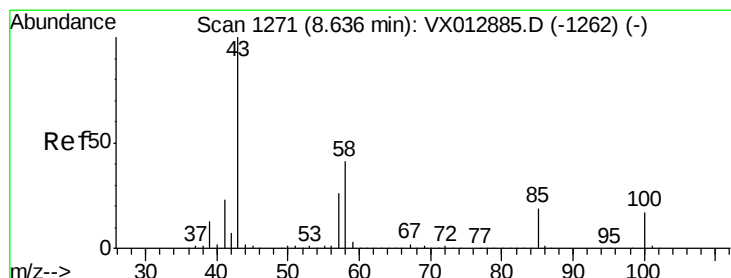
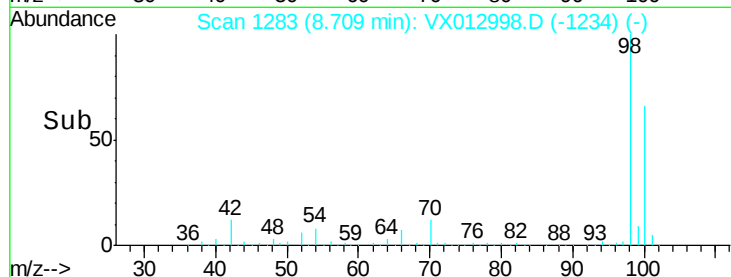
150000

100000

50000

0

Time--> 8.60 8.70 8.80 8.90



#51

4-Methyl-2-Pentanone

Concen: 0.510 ug/l

RT: 8.70 min Scan# 1282

Delta R.T. 0.07 min

Lab File: VX012998.D

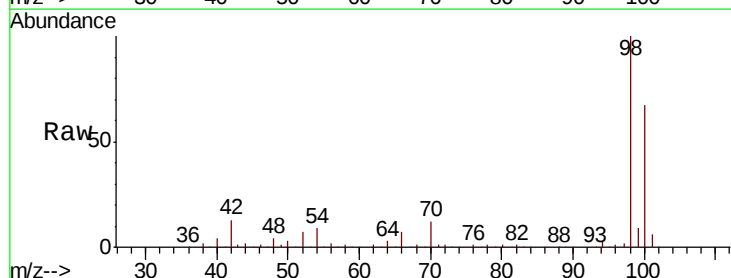
Acq: 10 Oct 2019 16:07

Tgt Ion: 43 Resp: 1425

Ion Ratio Lower Upper

43 100

58 202.0 32.4 48.6#



Abundance Ion 43.00 (42.70 to 43.70): VX0

Ion 58.00 (57.70 to 58.70): VX0

2000

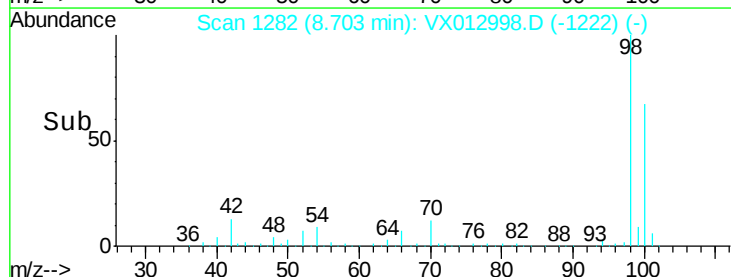
1500

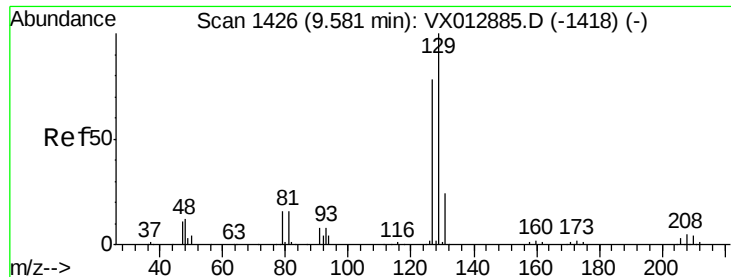
1000

500

0

Time--> 8.65 8.70 8.75





#60

Dibromochloromethane

Concen: 4.933 ug/l

RT: 9.33 min Scan# 1385

Delta R.T. -0.25 min

Lab File: VX012998.D

Acq: 10 Oct 2019 16:07

Instrument :

MSVOA_X

ClientSampleId :

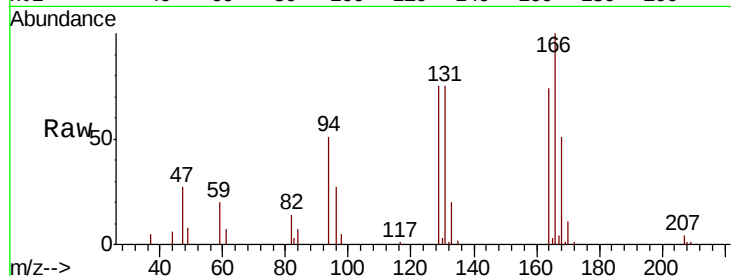
FA19-JMW3601

Tot Ion:129 Resp: 6639

Ion Ratio Lower Upper

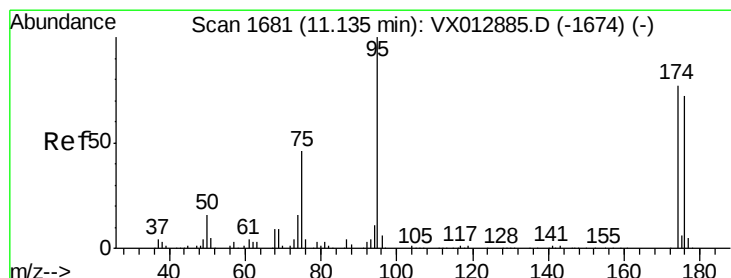
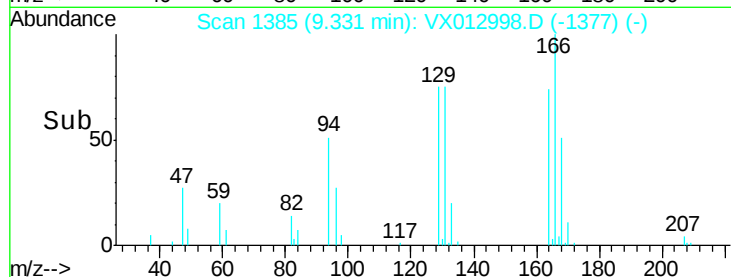
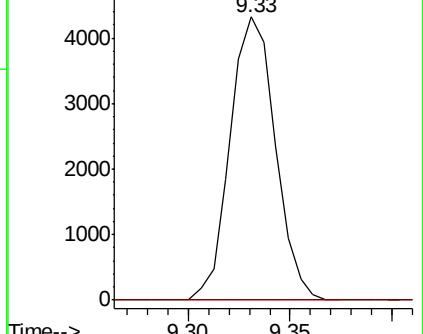
129 100

127 0.0 38.9 116.7#



Abundance Ion 128.80 (128.50 to 129.50): V

Ion 126.80 (126.50 to 127.50): V



#62

4-Bromofluorobenzene

Concen: 43.611 ug/l

RT: 11.14 min Scan# 1681

Delta R.T. 0.00 min

Lab File: VX012998.D

Acq: 10 Oct 2019 16:07

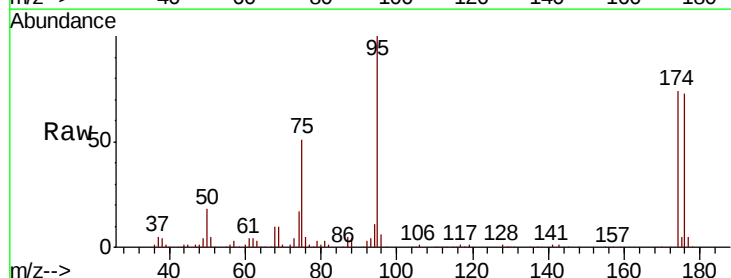
Tgt Ion: 95 Resp: 107754

Ion Ratio Lower Upper

95 100

174 71.5 0.0 143.4

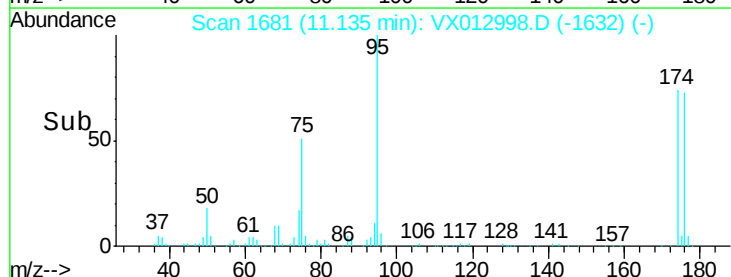
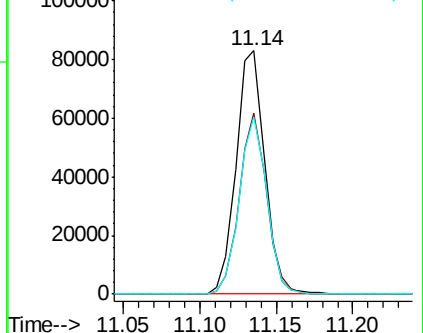
176 70.0 0.0 136.0

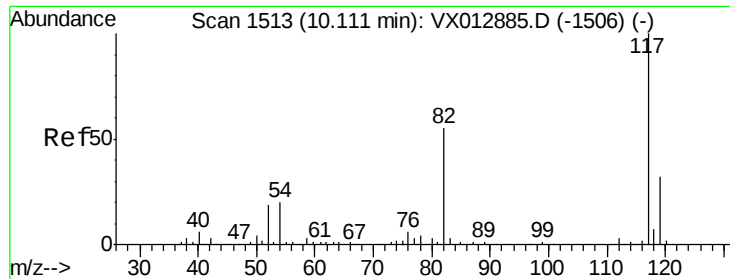


Abundance Ion 94.90 (94.60 to 95.60): VX0

Ion 173.80 (173.50 to 174.50): V

Ion 175.80 (175.50 to 176.50): V

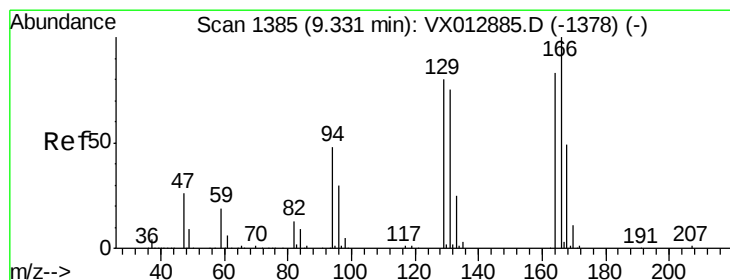
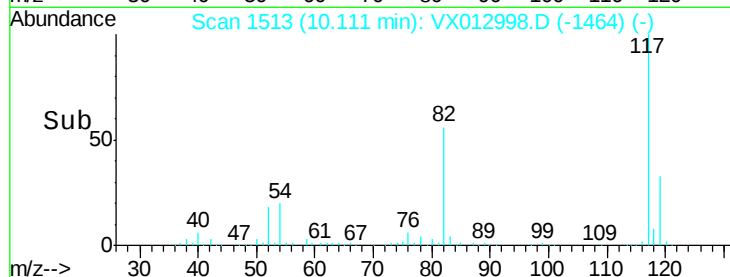
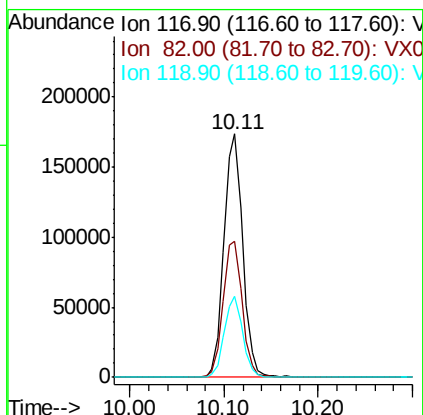
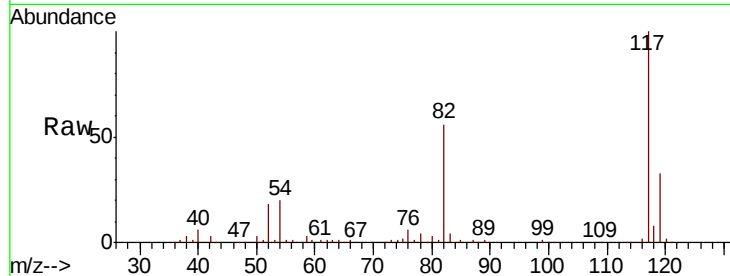




#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 10.11 min Scan# 1513
Delta R.T. 0.00 min
Lab File: VX012998.D
Acq: 10 Oct 2019 16:07

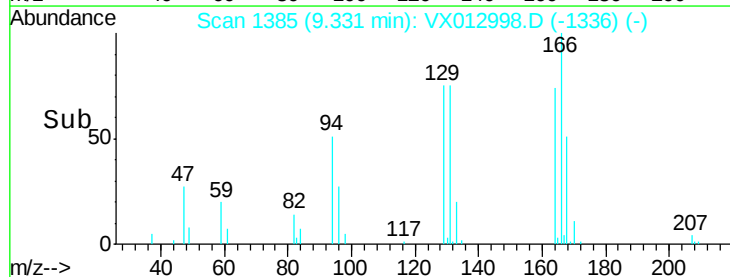
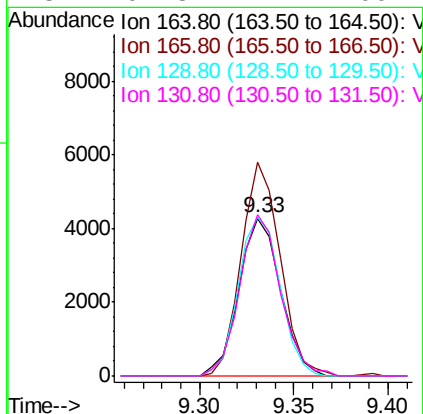
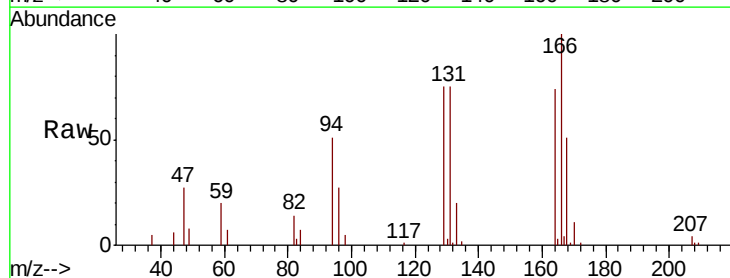
Instrument :
MSVOA_X
ClientSampleId :
FA19-JMW3601

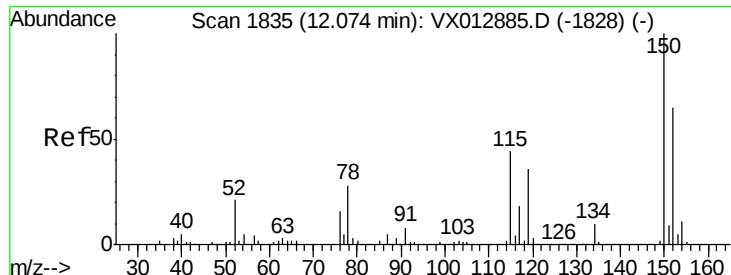
Tot Ion:117 Resp: 240986
Ion Ratio Lower Upper
117 100
82 56.0 44.1 66.1
119 33.4 25.8 38.8



#64
Tetrachloroethene
Concen: 3.941 ug/l
RT: 9.33 min Scan# 1385
Delta R.T. 0.00 min
Lab File: VX012998.D
Acq: 10 Oct 2019 16:07

Tgt Ion:164 Resp: 6588
Ion Ratio Lower Upper
164 100
166 135.1 96.9 145.3
129 100.8 77.9 116.9
131 101.8 72.7 109.1





#72

1,4-Dichlorobenzene-d4

Concen: 50.000 ug/l

RT: 12.07 min Scan# 1835

Delta R.T. 0.00 min

Lab File: VX012998.D

Acq: 10 Oct 2019 16:07

Instrument :

MSVOA_X

ClientSampled :

FA19-JMW3601

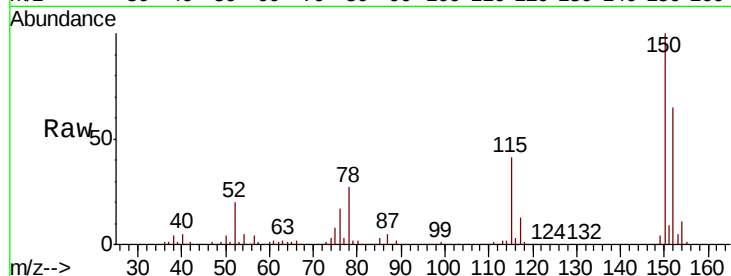
Tot Ion:152 Resp: 87420

Ion Ratio Lower Upper

152 100

115 66.2 44.5 133.5

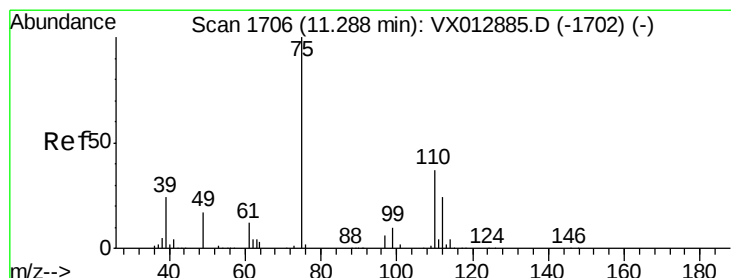
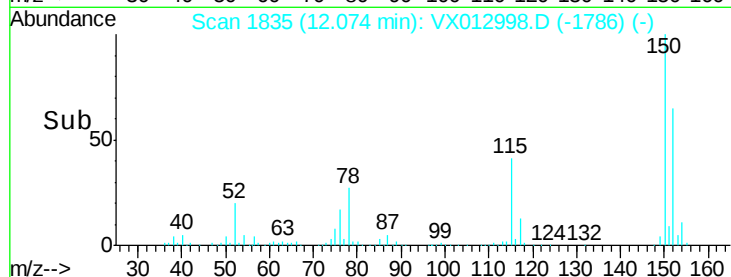
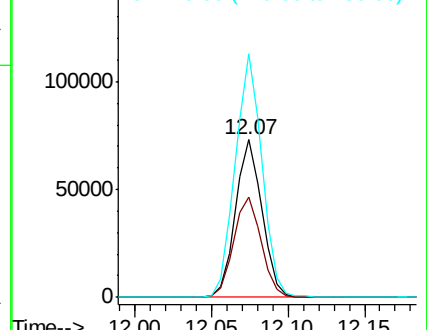
150 156.3 0.0 353.4



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: 28.325 ug/l

RT: 11.14 min Scan# 1681

Delta R.T. -0.15 min

Lab File: VX012998.D

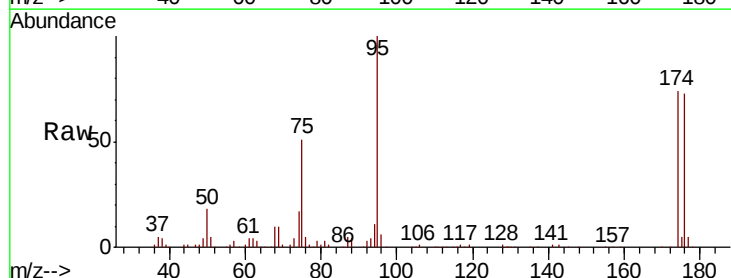
Acq: 10 Oct 2019 16:07

Tgt Ion: 75 Resp: 54921

Ion Ratio Lower Upper

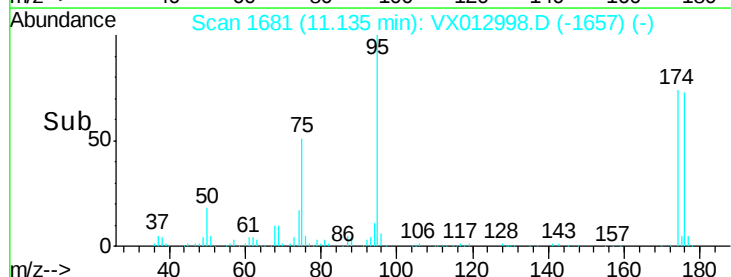
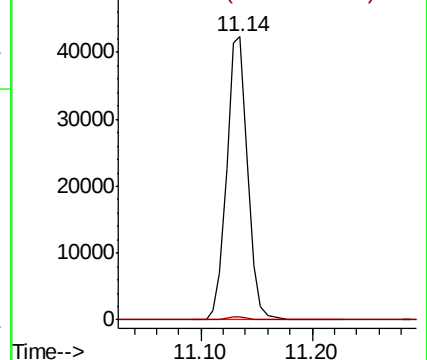
75 100

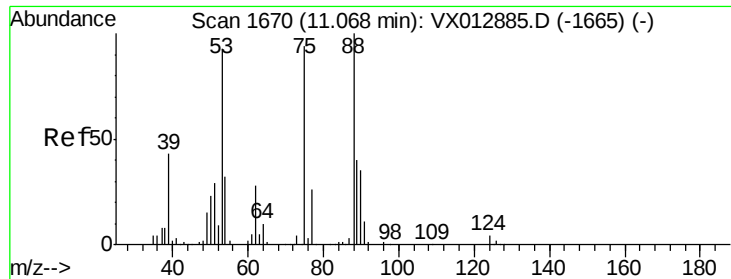
77 1.2 22.9 68.8#



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: 70.971 ug/l

RT: 11.14 min Scan# 1681

Delta R.T. 0.07 min

Lab File: VX012998.D

Acq: 10 Oct 2019 16:07

Instrument :

MSVOA_X

ClientSampleId :

FA19-JMW3601

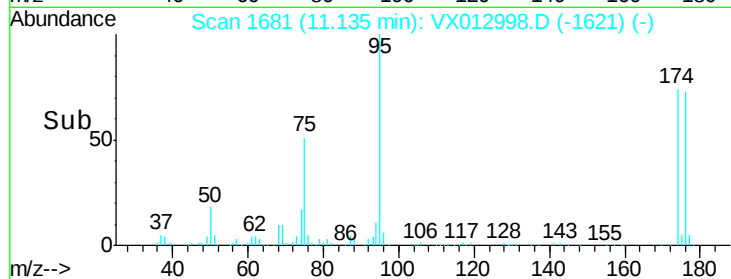
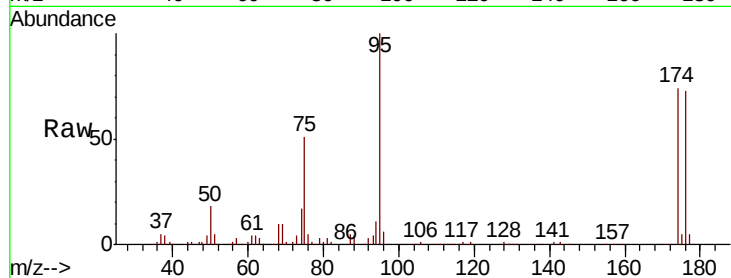
Tot Ion: 75 Resp: 54921

Ion Ratio Lower Upper

75 100

53 0.0 78.5 117.7#

89 0.1 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

