

Data Path : Z:\VOASRV\HPCHEM1\MSVOA X\DATA\VX101019\
 Data File : VX012989.D
 Acq On : 10 Oct 2019 12:37
 Operator : JC/SP
 Sample : K5290-01
 Misc : 5.0mL/MSVOA X/WATER
 ALS Vial : 9 Sample Multiplier: 1

Instrument :
 MSVOA_X
 ClientSampleId :
 FA19-GMZ1BL-TB1

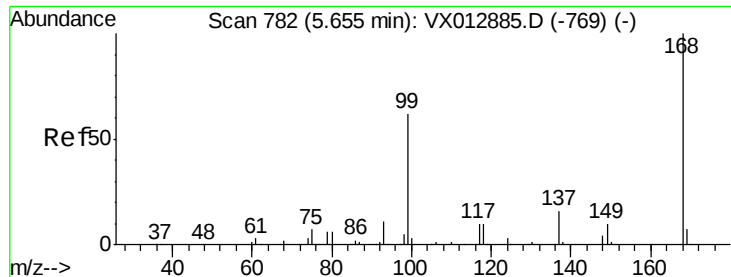
Quant Time: Oct 11 04:35:47 2019
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_X\METHOD\82X100819W.M
 Quant Title : SW846 8260
 QLast Update : Wed Oct 09 01:51:23 2019
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Pentafluorobenzene	5.65	168	177115	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	6.85	114	302986	50.00	ug/l	0.00
63) Chlorobenzene-d5	10.11	117	257570	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	12.07	152	99171	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	116225	52.50	ug/l	0.00
Spiked Amount			Recovery	=	105.00%	
35) Dibromofluoromethane	5.49	113	89910	51.70	ug/l	0.00
Spiked Amount			Recovery	=	103.40%	
50) Toluene-d8	8.71	98	349105	51.47	ug/l	0.00
Spiked Amount			Recovery	=	102.94%	
62) 4-Bromofluorobenzene	11.14	95	120066	45.56	ug/l	0.00
Spiked Amount			Recovery	=	91.12%	

Target Compounds	R.T.	QIon	Response	Conc	Units	Qvalue
5) Bromomethane	1.63	94	315	0.374	ug/l #	3
6) Chloroethane	1.70	64	257	0.574	ug/l #	43
10) Methyl Iodide	2.50	142	173	5.159	ug/l #	55
11) Tert butyl alcohol	3.00	59	2653	4.521	ug/l #	78
31) Cyclohexane	5.64	56	4122	1.283	ug/l #	24
36) 1,1-Dichloropropene	5.65	75	14867	5.581	ug/l #	50
38) Carbon Tetrachloride	5.65	117	18588	7.169	ug/l #	17
51) 4-Methyl-2-Pentanone	8.71	43	1501	0.504	ug/l #	1
76) 1,2,3-Trichloropropane	11.14	75	60114	27.329	ug/l #	32
81) trans-1,4-Dichloro-2-buten	11.14	75	60114	68.621	ug/l #	10

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



#1

Pentafluorobenzene

Concen: 50.000 ug/l

RT: 5.65 min Scan# 781

Delta R.T. -0.01 min

Lab File: VX012989.D

Acq: 10 Oct 2019 12:37

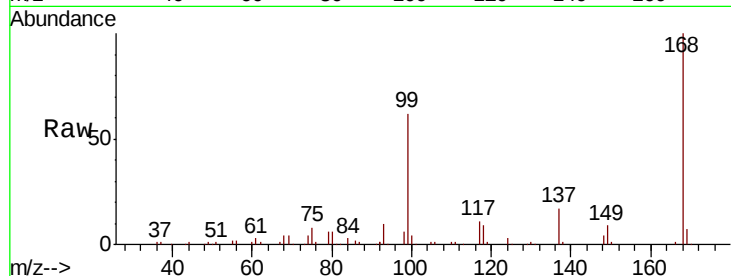
Instrument :
MSVOA_X
ClientSampleId :
FA19-GMZ1BL-TB1

Tot Ion:168 Resp: 177115

Ion Ratio Lower Upper

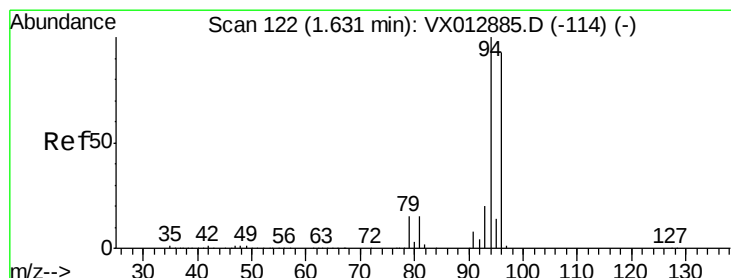
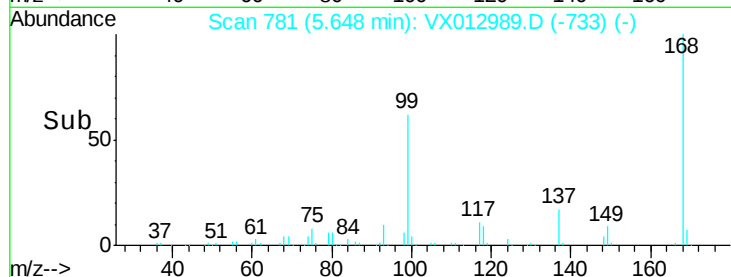
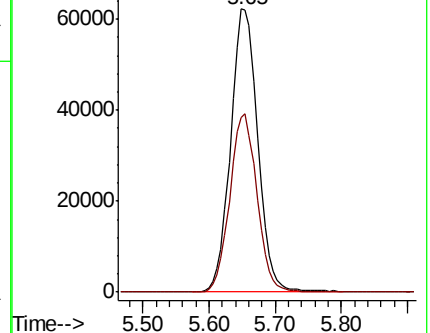
168 100

99 61.9 49.4 74.0



Abundance Ion 167.90 (167.60 to 168.60): V

Ion 98.90 (98.60 to 99.60): VX0



#5

Bromomethane

Concen: 0.374 ug/l

RT: 1.63 min Scan# 122

Delta R.T. -0.00 min

Lab File: VX012989.D

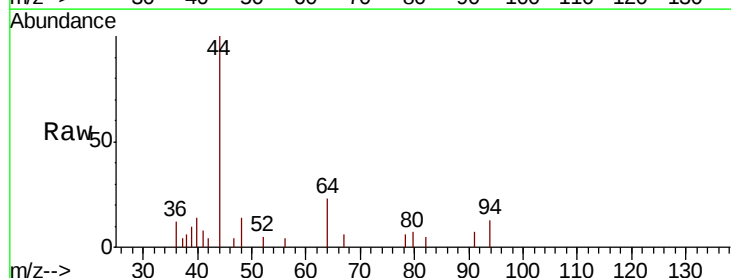
Acq: 10 Oct 2019 12:37

Tgt Ion: 94 Resp: 315

Ion Ratio Lower Upper

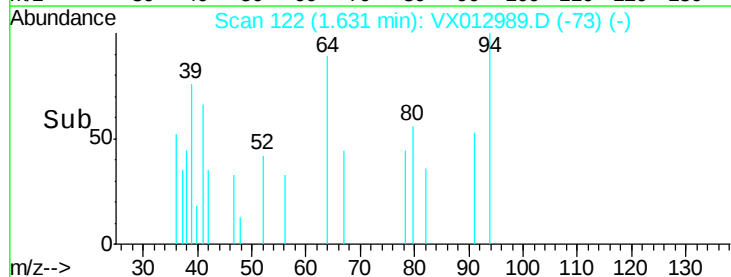
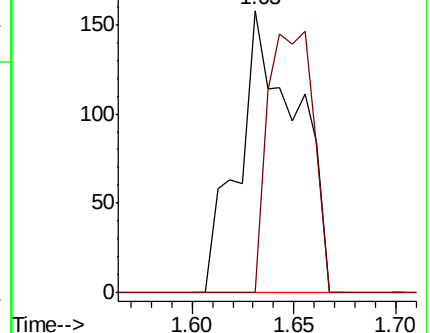
94 100

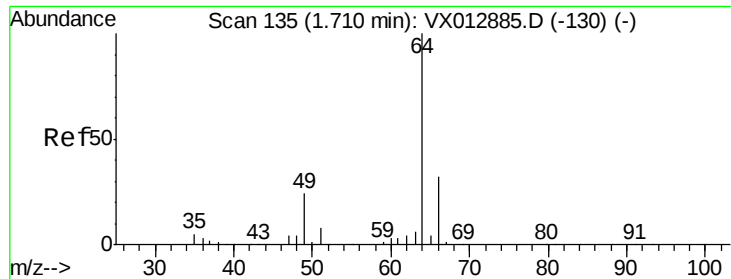
96 0.0 74.7 112.1#



Abundance Ion 93.90 (93.60 to 94.60): VX0

Ion 95.90 (95.60 to 96.60): VX0





#6

Chloroethane

Concen: 0.574 ug/l

RT: 1.70 min Scan# 134

Delta R.T. -0.01 min

Lab File: VX012989.D

Acq: 10 Oct 2019 12:37

Instrument :

MSVOA_X

ClientSampleId :

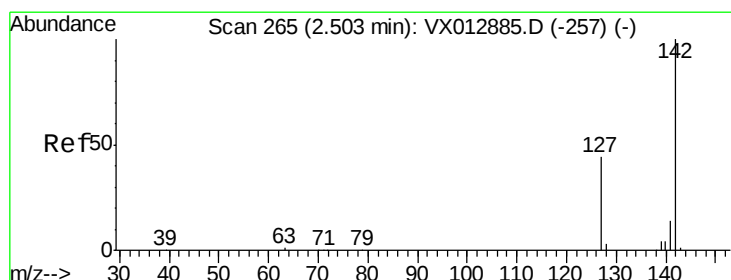
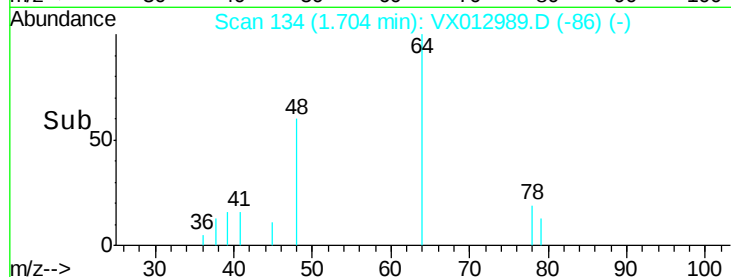
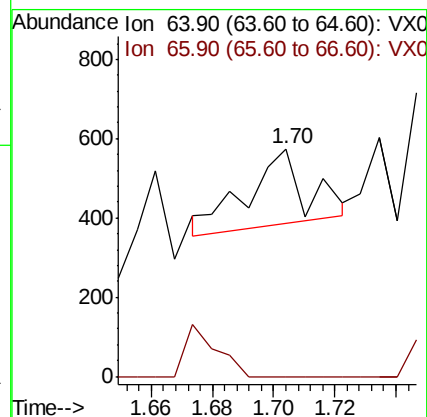
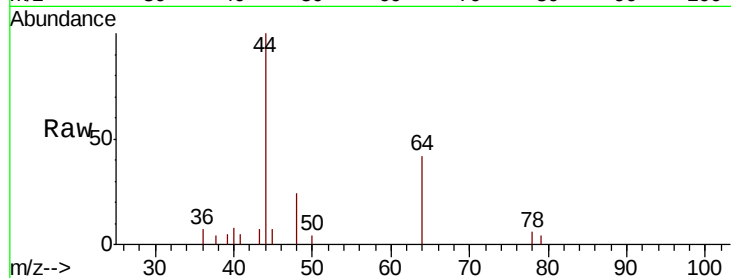
FA19-GMZ1BL-TB1

Tot Ion: 64 Resp: 257

Ion Ratio Lower Upper

64 100

66 0.0 25.6 38.4#



#10

Methyl Iodide

Concen: 5.159 ug/l

RT: 2.50 min Scan# 265

Delta R.T. 0.00 min

Lab File: VX012989.D

Acq: 10 Oct 2019 12:37

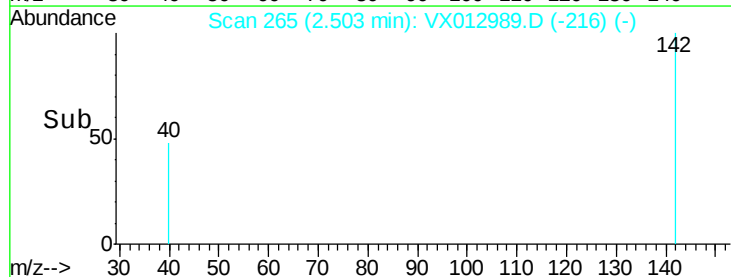
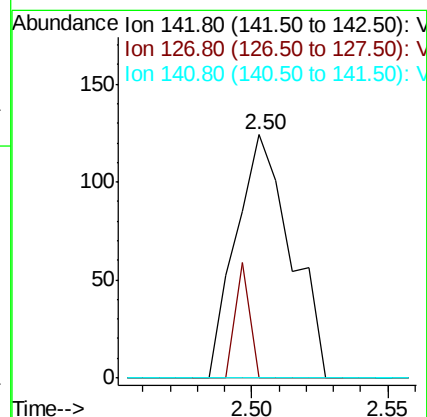
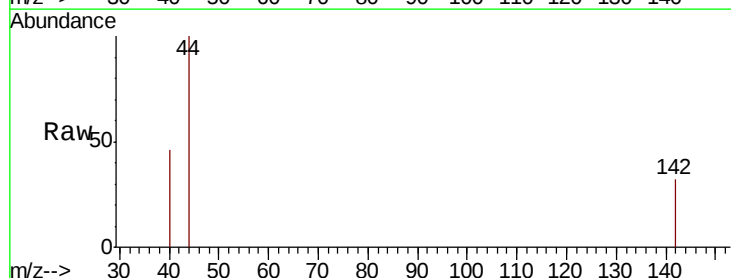
Tgt Ion: 142 Resp: 173

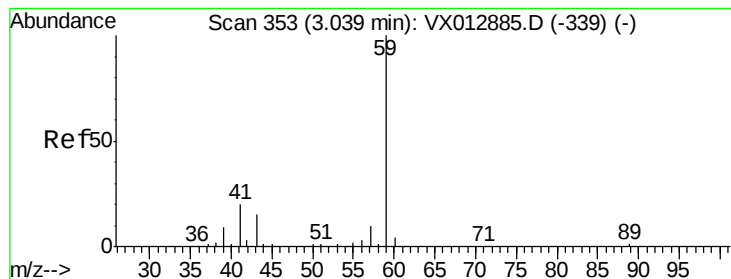
Ion Ratio Lower Upper

142 100

127 12.7 34.9 52.3#

141 0.0 11.6 17.4#



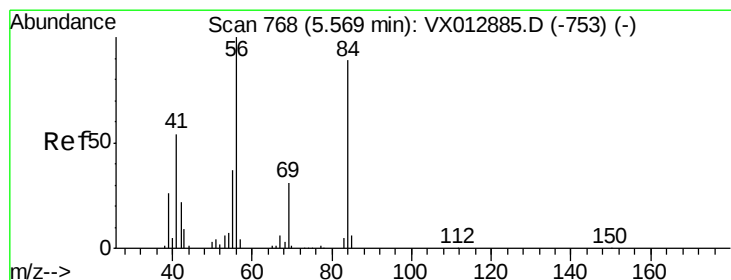
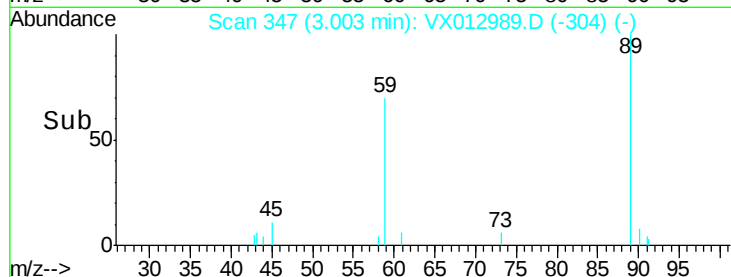
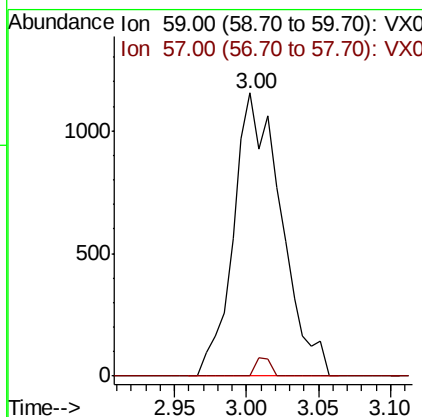
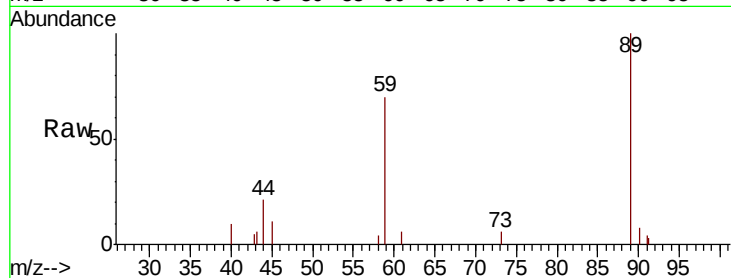


#11

Tert butyl alcohol
 Concen: 4.521 ug/l
 RT: 3.00 min Scan# 347
 Delta R.T. -0.04 min
 Lab File: VX012989.D
 Acq: 10 Oct 2019 12:37

Instrument :
 MSVOA_X
 ClientSampleId :
 FA19-GMZ1BL-TB1

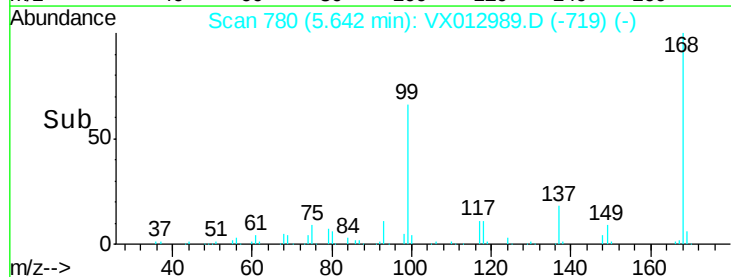
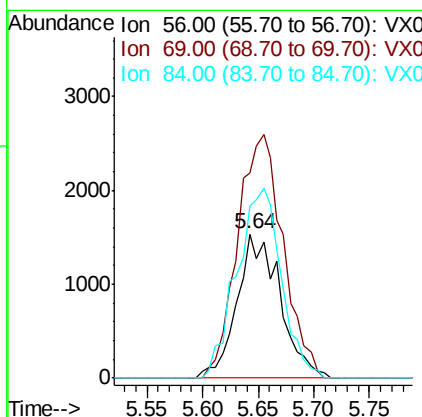
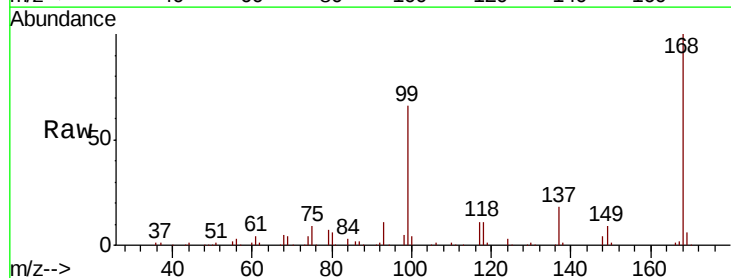
Tot Ion: 59 Resp: 2653
 Ion Ratio Lower Upper
 59 100
 57 2.0 8.3 12.5#

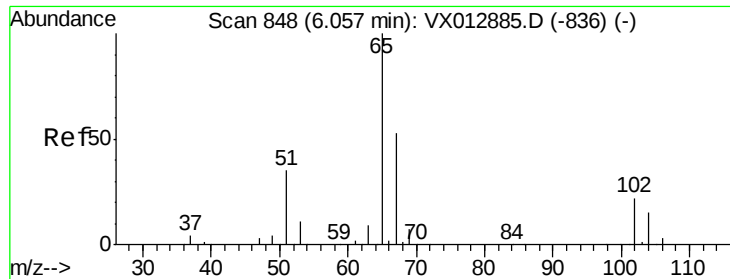


#31

Cyclohexane
 Concen: 1.283 ug/l
 RT: 5.64 min Scan# 780
 Delta R.T. 0.07 min
 Lab File: VX012989.D
 Acq: 10 Oct 2019 12:37

Tgt Ion: 56 Resp: 4122
 Ion Ratio Lower Upper
 56 100
 69 142.3 25.2 37.8#
 84 119.2 71.3 106.9#





#33

1,2-Dichloroethane-d4

Concen: 52.502 ug/l

RT: 6.06 min Scan# 848

Delta R.T. -0.00 min

Lab File: VX012989.D

Acq: 10 Oct 2019 12:37

Instrument :

MSVOA_X

ClientSampleId :

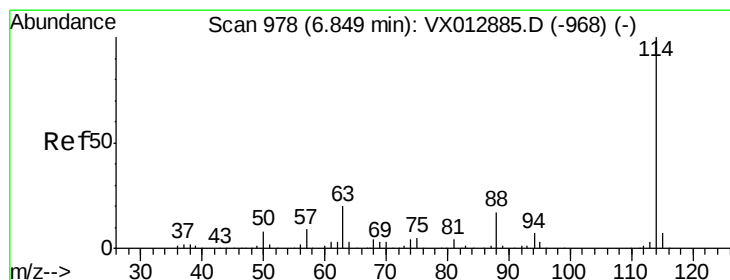
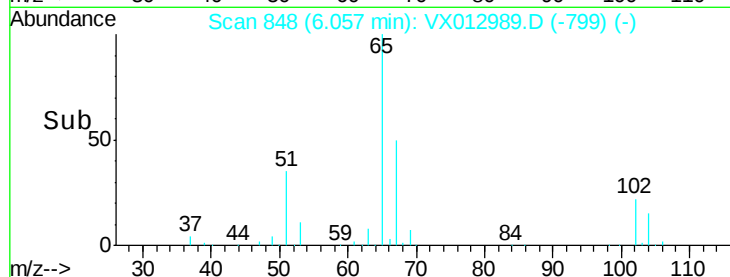
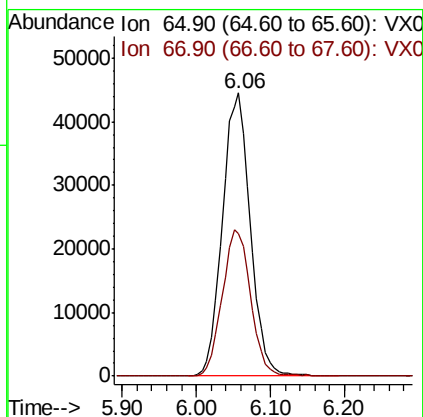
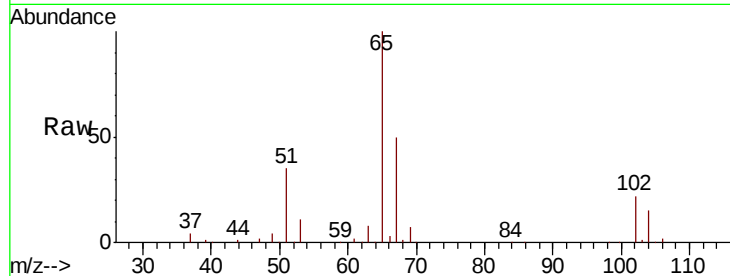
FA19-GMZ1BL-TB1

Tot Ion: 65 Resp: 116225

Ion Ratio Lower Upper

65 100

67 52.8 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: VX012989.D

Acq: 10 Oct 2019 12:37

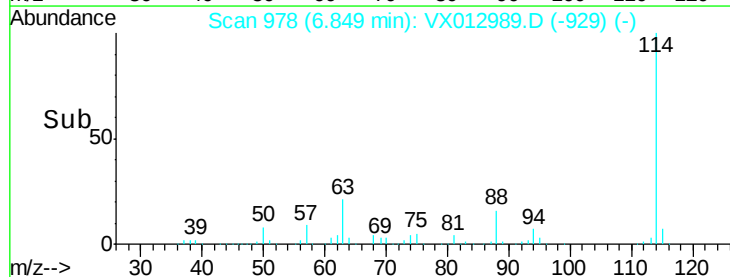
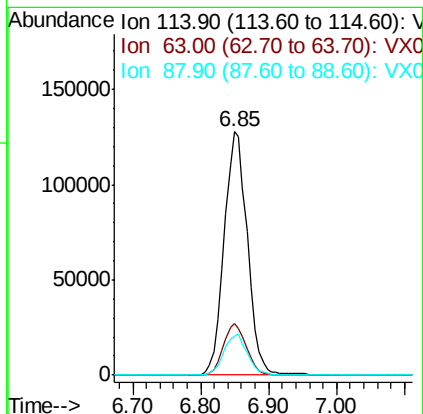
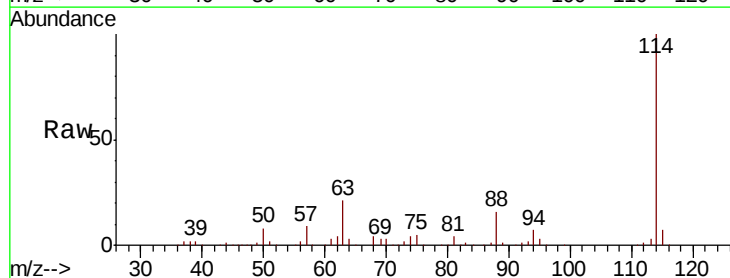
Tgt Ion: 114 Resp: 302986

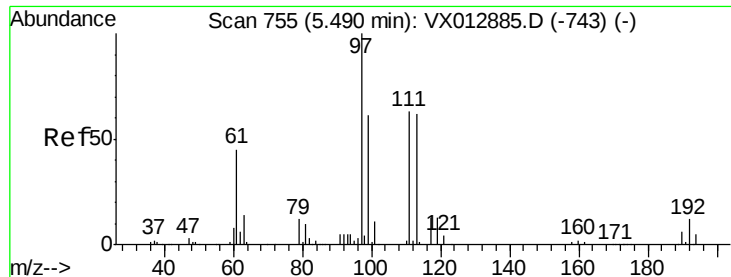
Ion Ratio Lower Upper

114 100

63 21.0 0.0 40.8

88 15.8 0.0 33.8





#35

Dibromofluoromethane

Concen: 51.703 ug/l

RT: 5.49 min Scan# 755

Delta R.T. -0.00 min

Lab File: VX012989.D

Acq: 10 Oct 2019 12:37

Instrument :

MSVOA_X

ClientSampleId :

FA19-GMZ1BL-TB1

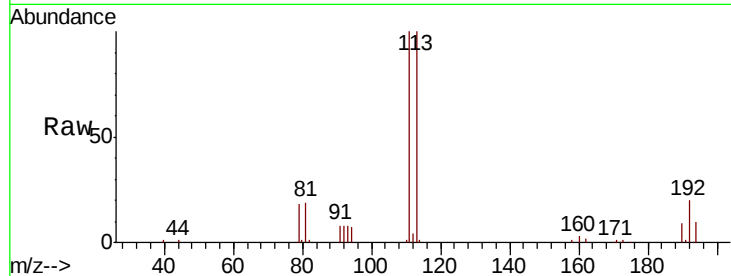
Tot Ion:113 Resp: 89910

Ion Ratio Lower Upper

113 100

111 101.8 83.2 124.8

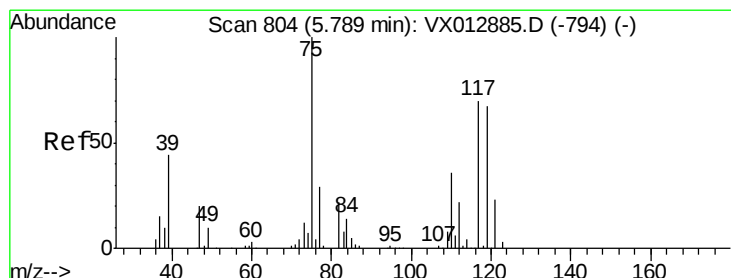
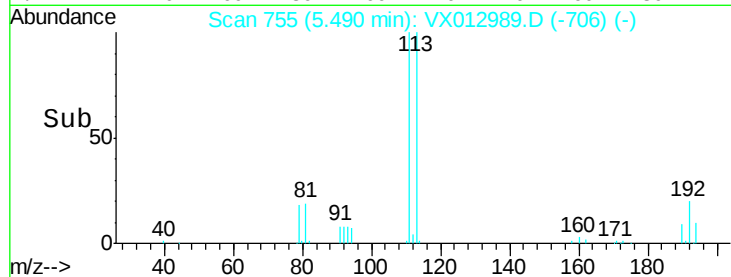
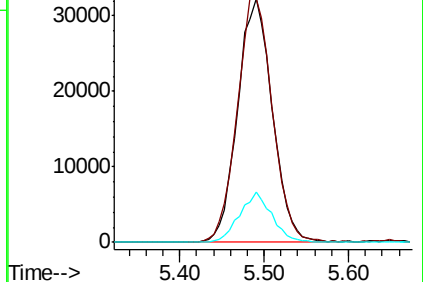
192 19.1 15.4 23.2



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: 5.581 ug/l

RT: 5.65 min Scan# 782

Delta R.T. -0.13 min

Lab File: VX012989.D

Acq: 10 Oct 2019 12:37

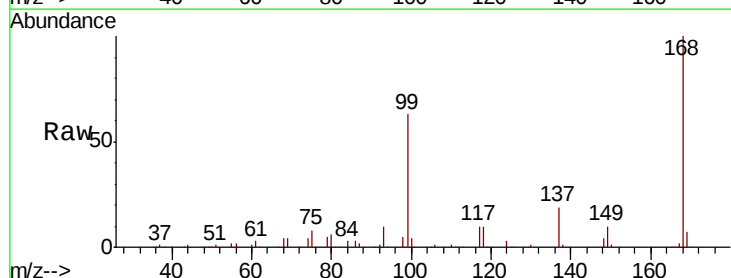
Tgt Ion: 75 Resp: 14867

Ion Ratio Lower Upper

75 100

110 9.3 17.6 52.9#

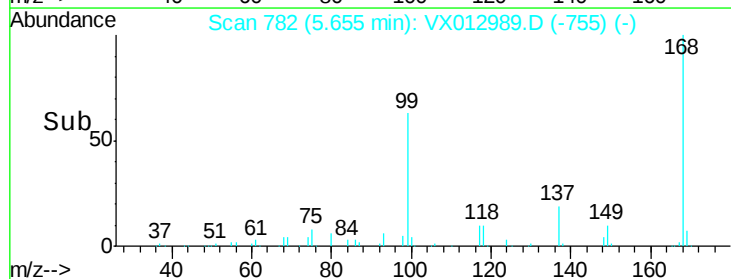
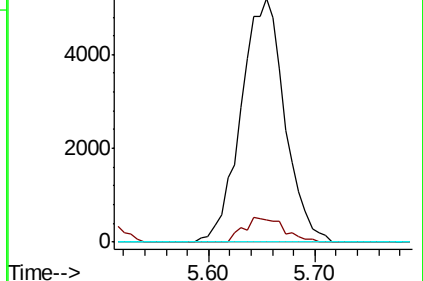
77 0.0 24.4 36.6#

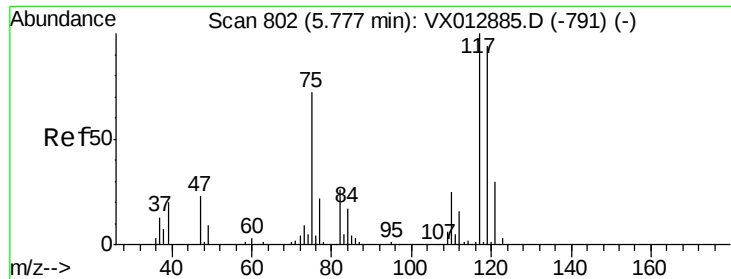


Abundance Ion 74.90 (74.60 to 75.60): VX0

Ion 109.90 (109.60 to 110.60): V

Ion 76.90 (76.60 to 77.60): VX0

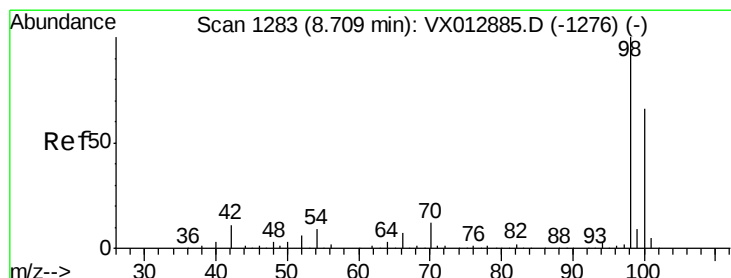
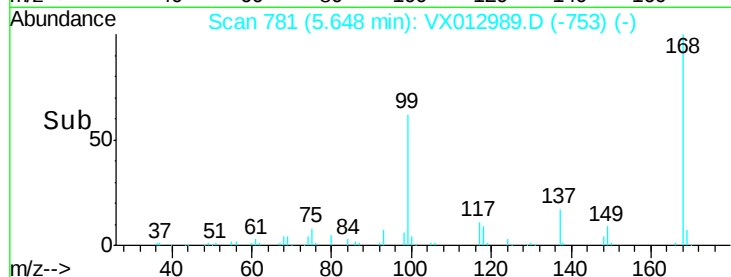
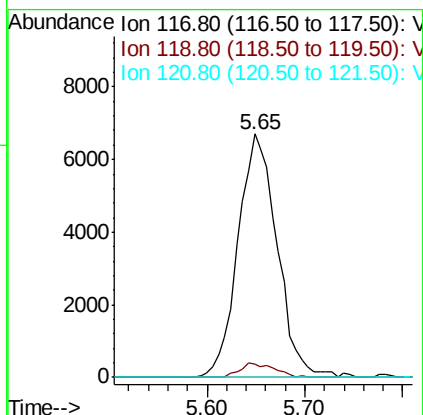
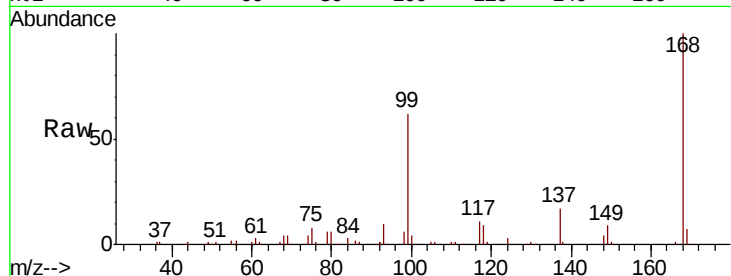




#38
Carbon Tetrachloride
Concen: 7.169 ug/l
RT: 5.65 min Scan# 781
Delta R.T. -0.13 min
Lab File: VX012989.D
Acq: 10 Oct 2019 12:37

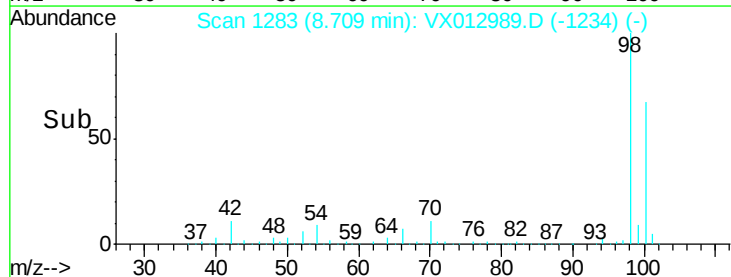
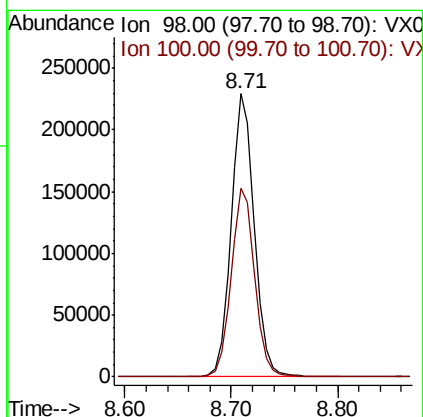
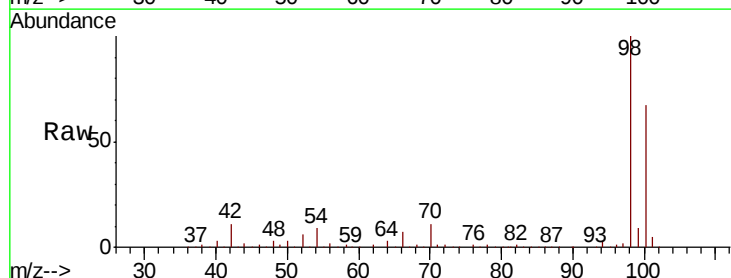
Instrument :
MSVOA_X
ClientSampleId :
FA19-GMZ1BL-TB1

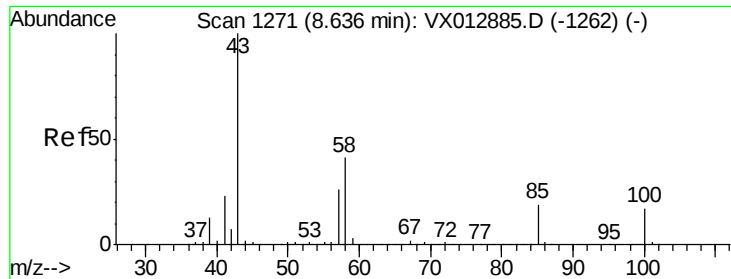
Tot Ion:117 Resp: 18588
Ion Ratio Lower Upper
117 100
119 5.4 74.5 111.7#
121 0.0 24.2 36.4#



#50
Toluene-d8
Concen: 51.472 ug/l
RT: 8.71 min Scan# 1283
Delta R.T. -0.00 min
Lab File: VX012989.D
Acq: 10 Oct 2019 12:37

Tgt Ion: 98 Resp: 349105
Ion Ratio Lower Upper
98 100
100 67.7 53.4 80.2





#51

4-Methyl-2-Pentanone

Concen: 0.504 ug/l

RT: 8.71 min Scan# 1283

Delta R.T. 0.07 min

Lab File: VX012989.D

Acq: 10 Oct 2019 12:37

Instrument :

MSVOA_X

ClientSampleId :

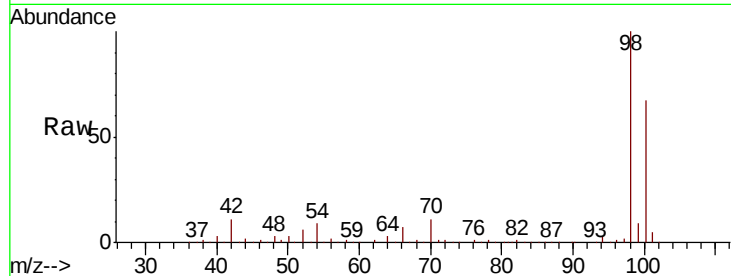
FA19-GMZ1BL-TB1

Tot Ion: 43 Resp: 1501

Ion Ratio Lower Upper

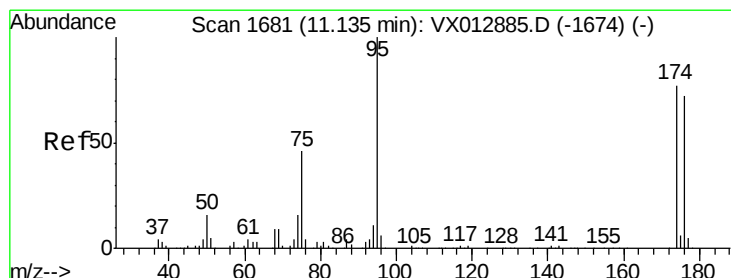
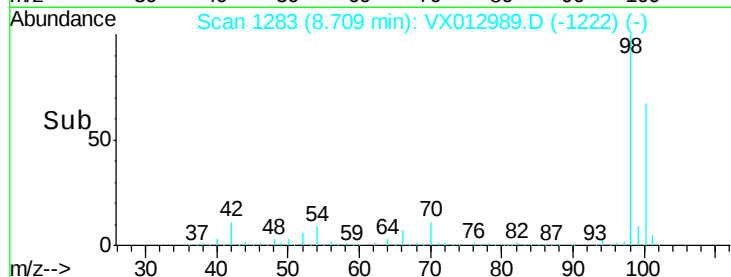
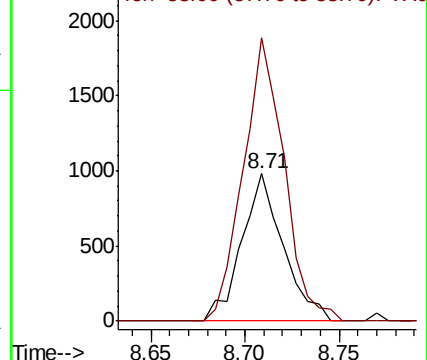
43 100

58 189.4 32.4 48.6#



Abundance Ion 43.00 (42.70 to 43.70): VX0

Ion 58.00 (57.70 to 58.70): VX0



#62

4-Bromofluorobenzene

Concen: 45.559 ug/l

RT: 11.14 min Scan# 1681

Delta R.T. -0.00 min

Lab File: VX012989.D

Acq: 10 Oct 2019 12:37

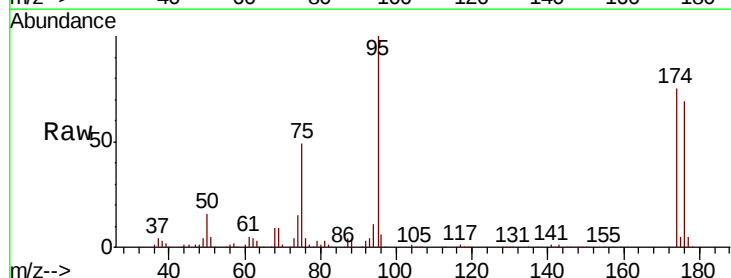
Tgt Ion: 95 Resp: 120066

Ion Ratio Lower Upper

95 100

174 71.4 0.0 143.4

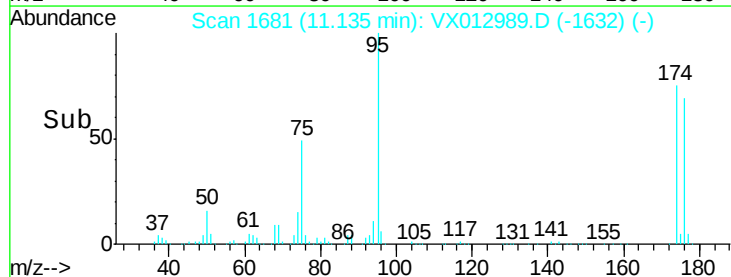
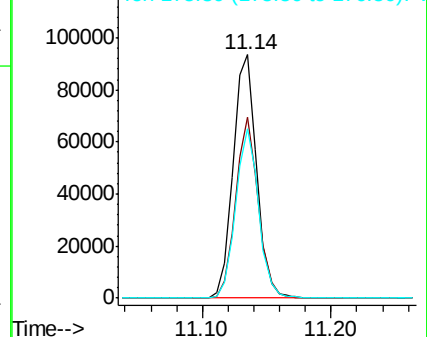
176 67.9 0.0 136.0

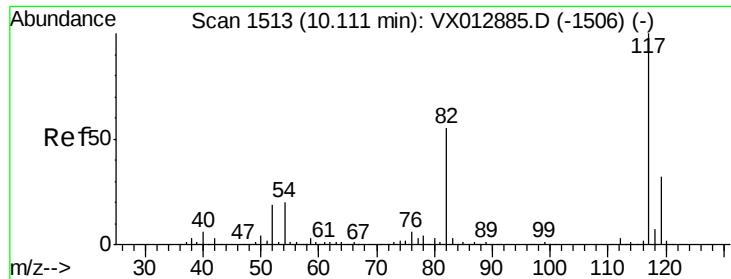


Abundance Ion 94.90 (94.60 to 95.60): VX0

Ion 173.80 (173.50 to 174.50): V

Ion 175.80 (175.50 to 176.50): V

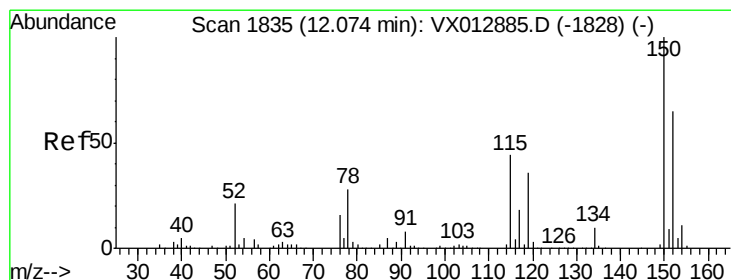
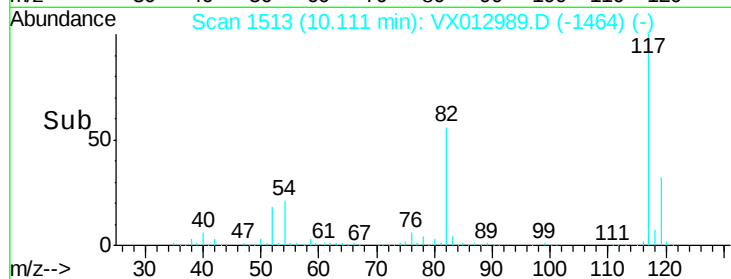
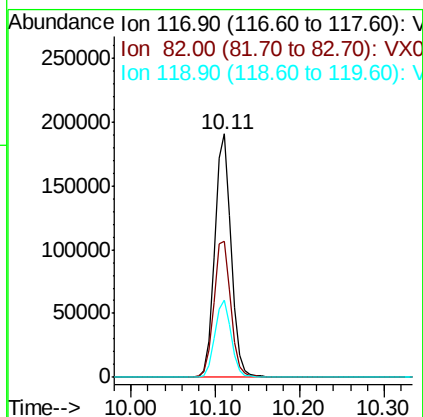
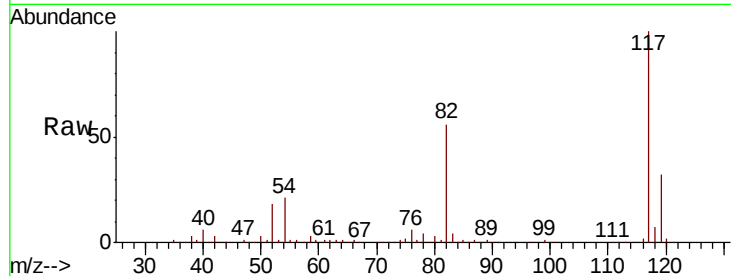




#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 10.11 min Scan# 1513
Delta R.T. -0.00 min
Lab File: VX012989.D
Acq: 10 Oct 2019 12:37

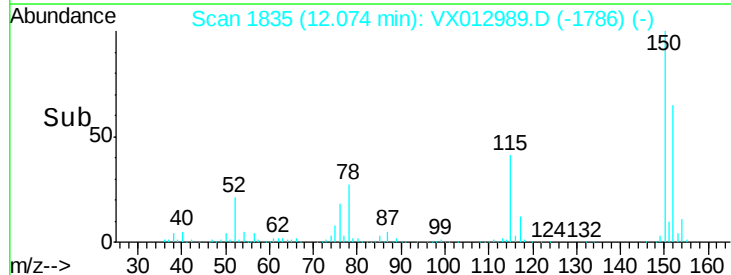
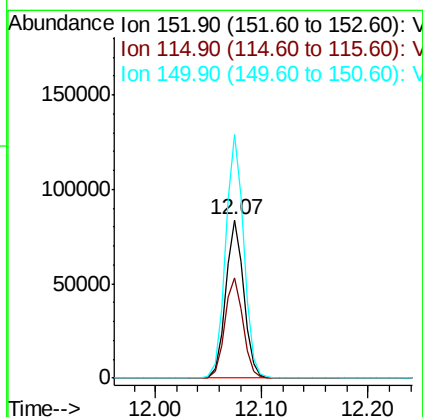
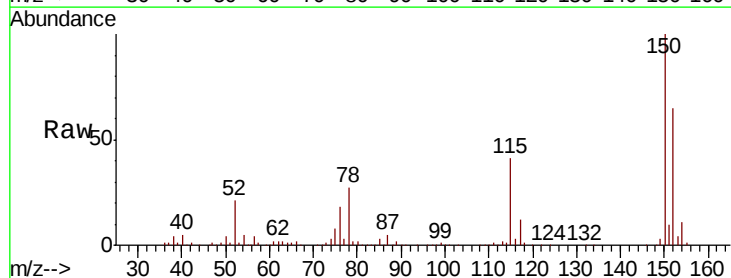
Instrument :
MSVOA_X
ClientSampleId :
FA19-GMZ1BL-TB1

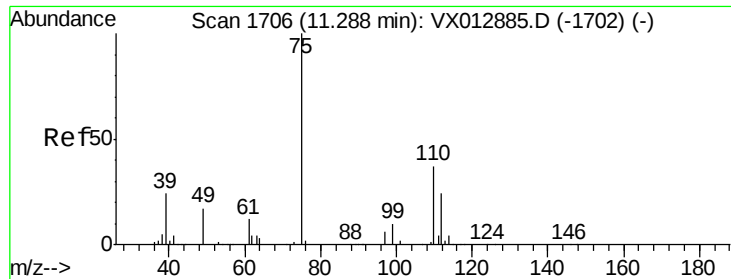
Tot Ion:117 Resp: 257570
Ion Ratio Lower Upper
117 100
82 55.8 44.1 66.1
119 32.0 25.8 38.8



#72
1,4-Dichlorobenzene-d4
Concen: 50.000 ug/l
RT: 12.07 min Scan# 1835
Delta R.T. -0.00 min
Lab File: VX012989.D
Acq: 10 Oct 2019 12:37

Tgt Ion:152 Resp: 99171
Ion Ratio Lower Upper
152 100
115 63.9 44.5 133.5
150 155.6 0.0 353.4





#76

1,2,3-Trichloropropane

Concen: 27.329 ug/l

RT: 11.14 min Scan# 1681

Delta R.T. -0.15 min

Lab File: VX012989.D

Acq: 10 Oct 2019 12:37

Instrument :

MSVOA_X

ClientSampleId :

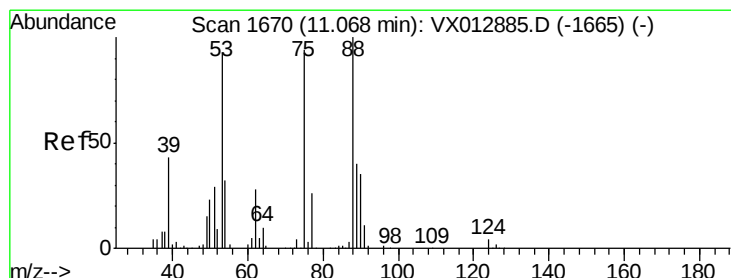
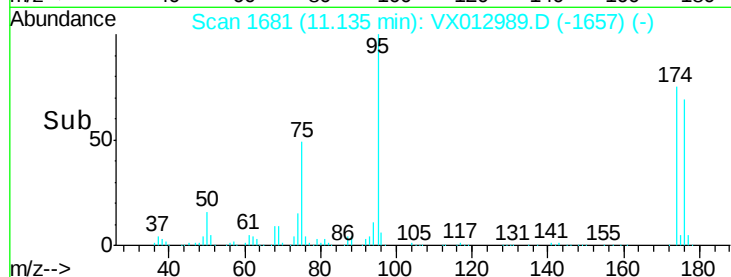
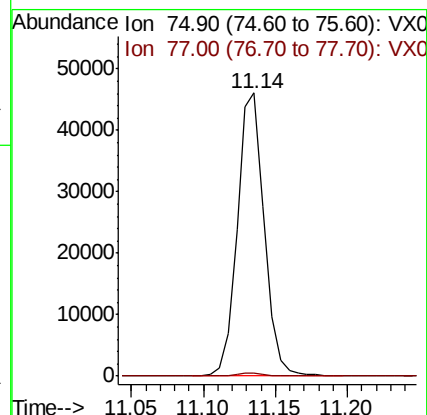
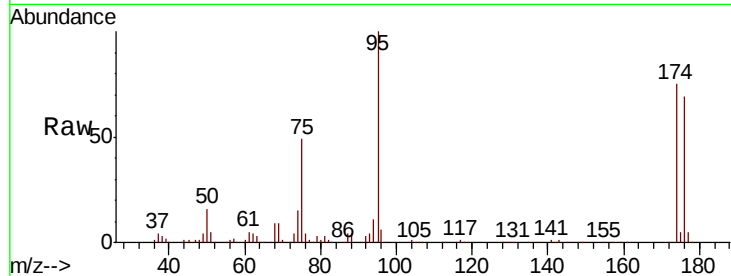
FA19-GMZ1BL-TB1

Tot Ion: 75 Resp: 60114

Ion Ratio Lower Upper

75 100

77 1.1 22.9 68.8#



#81

trans-1,4-Dichloro-2-butene

Concen: 68.621 ug/l

RT: 11.14 min Scan# 1681

Delta R.T. 0.07 min

Lab File: VX012989.D

Acq: 10 Oct 2019 12:37

Tgt Ion: 75 Resp: 60114

Ion Ratio Lower Upper

75 100

53 0.0 78.5 117.7#

89 0.0 37.4 56.2#

