

Data Path : Z:\VOASRV\HPCHEM1\MSVOA_X\DATA\VX083019\
 Data File : VX011935.D
 Acq On : 31 Aug 2019 05:08
 Operator : SY/SP
 Sample : K4493-09
 Misc : 4.99g/5.0mL/MSVOA_X/SOIL
 ALS Vial : 1 Sample Multiplier: 1

Instrument :
 MSVOA_X
 ClientSampleId :
 BFB

Quant Time: Aug 31 05:54:04 2019
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_X\METHOD\82X082919S.M
 Quant Title : SW846 8260
 QLast Update : Fri Aug 30 01:59:05 2019
 Response via : Initial Calibration

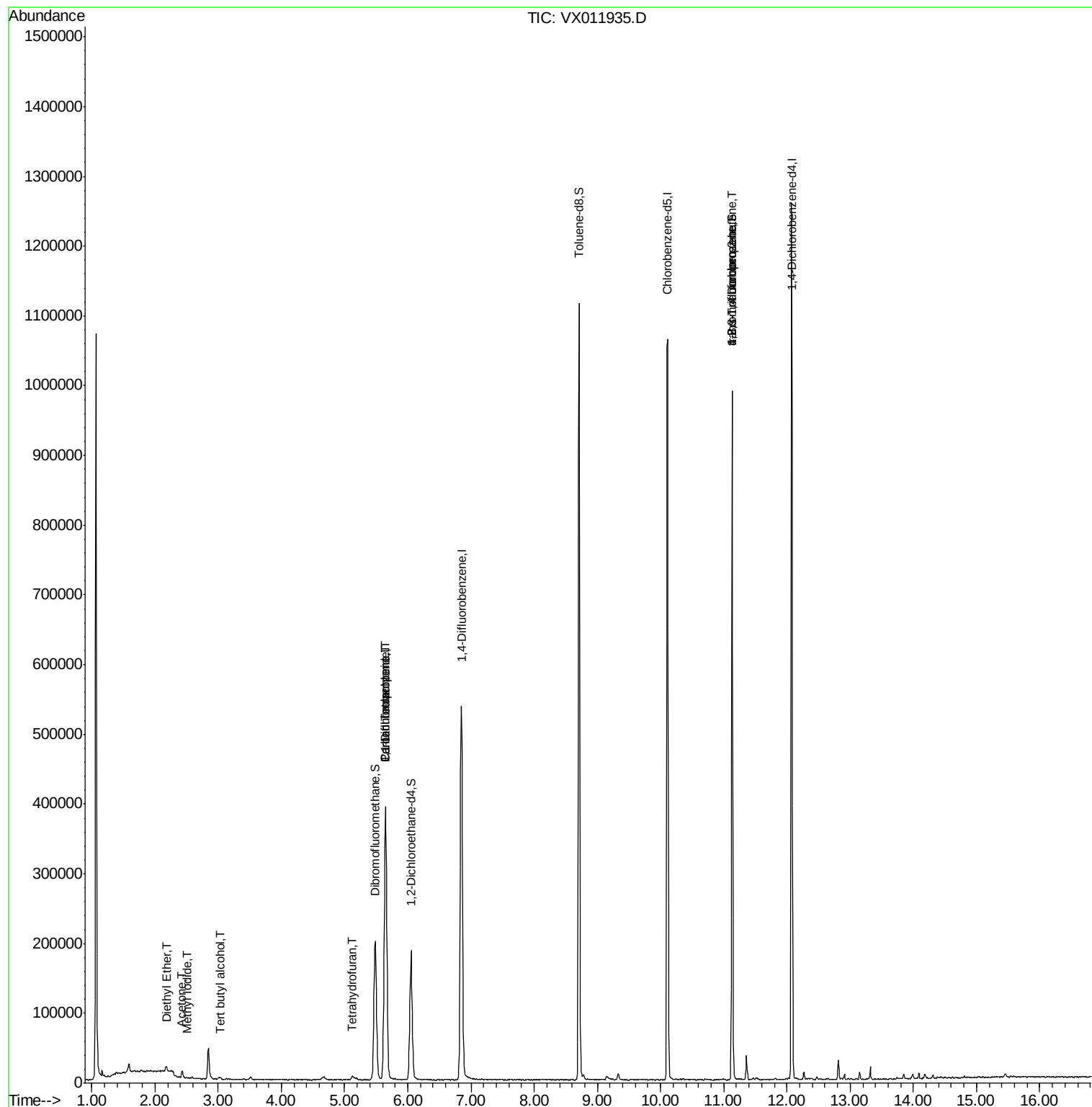
Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Pentafluorobenzene	5.65	168	416649	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	6.85	114	562613	50.00	ug/l	0.00
63) Chlorobenzene-d5	10.11	117	499289	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	12.07	152	269204	50.00	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	6.05	65	177222	44.40	ug/l	0.00
Spiked Amount 50.000			Recovery	=	88.80%	
35) Dibromofluoromethane	5.48	113	161647	44.81	ug/l	0.00
Spiked Amount 50.000			Recovery	=	89.62%	
50) Toluene-d8	8.71	98	640085	49.63	ug/l	0.00
Spiked Amount 50.000			Recovery	=	99.26%	
62) 4-Bromofluorobenzene	11.14	95	237941	42.06	ug/l	0.00
Spiked Amount 50.000			Recovery	=	84.12%	
Target Compounds						
8) Diethyl Ether	2.18	74	2796	1.683	ug/l	91
10) Methyl Iodide	2.50	142	82	3.698	ug/l #	1
11) Tert butyl alcohol	3.03	59	2574	6.702	ug/l	95
16) Acetone	2.43	43	11112	12.938	ug/l	98
29) Tetrahydrofuran	5.12	42	4744	6.076	ug/l	91
36) 1,1-Dichloropropene	5.65	75	25846	5.799	ug/l #	50
38) Carbon Tetrachloride	5.64	117	35065	6.783	ug/l #	15
76) 1,2,3-Trichloropropane	11.14	75	119538	45.140	ug/l #	36
81) trans-1,4-Dichloro-2-buten	11.14	75	119538	113.399	ug/l #	11

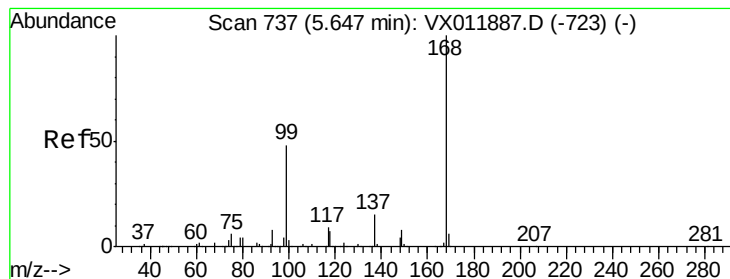
(#) = qualifier out of range (m) = manual integration (+) = signals summed

Data Path : Z:\V0ASRV\HPCHEM1\MSVOA_X\DATA\VX083019\
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Acq On : 31 Aug 2019 05:08
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ALS Vial : 1 Sample Multiplier: 1

Instrument :
MSVOA_X
ClientSampleId :
BFB

Quant Time: Aug 31 05:54:04 2019
Quant Method : Z:\V0ASRV\HPCHEM1\MSVOA_X\METHOD\82X082919S.M
Quant Title : SW846 8260
QLast Update : Fri Aug 30 01:59:05 2019
Response via : Initial Calibration





#1

Pentafluorobenzene

Concen: 50.000 ug/l

RT: 5.65 min Scan# 781

Delta R.T. 0.00 min

Lab File: VX011935.D

Acq: 31 Aug 2019 05:08

Instrument :

MSVOA_X

ClientSampleId :

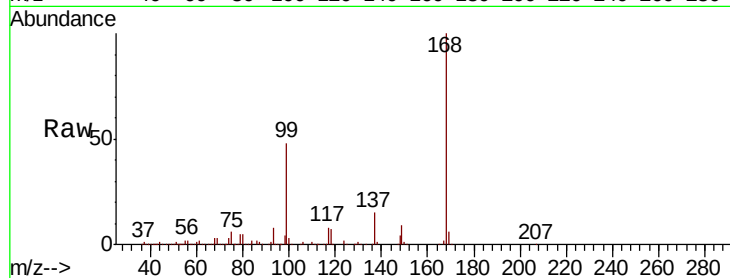
BFB

Tgt Ion:168 Resp: 416649

Ion Ratio Lower Upper

168 100

99 48.1 38.4 57.6



Abundance Ion 167.90 (167.60 to 168.60): V

Ion 98.90 (98.60 to 99.60): VX0

150000

100000

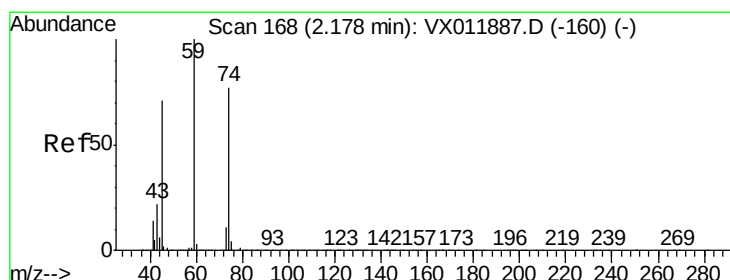
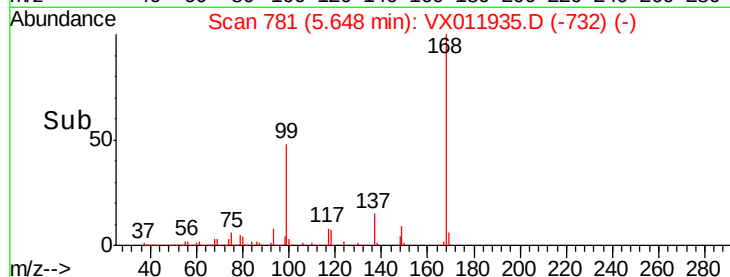
50000

0

5.50 5.60 5.70 5.80 5.90

5.65

Time-->



#8

Diethyl Ether

Concen: 1.683 ug/l

RT: 2.18 min Scan# 212

Delta R.T. 0.00 min

Lab File: VX011935.D

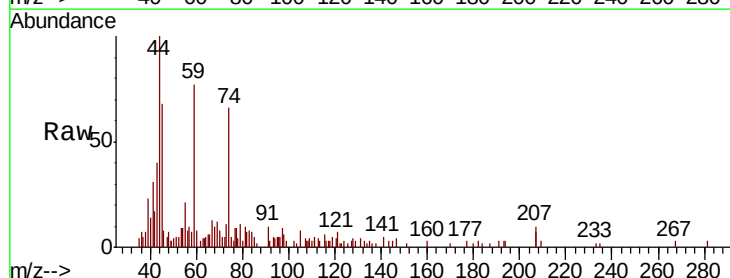
Acq: 31 Aug 2019 05:08

Tgt Ion: 74 Resp: 2796

Ion Ratio Lower Upper

74 100

45 84.7 46.7 140.1



Abundance Ion 74.00 (73.70 to 74.70): VX0

Ion 45.00 (44.70 to 45.70): VX0

2000

1500

1000

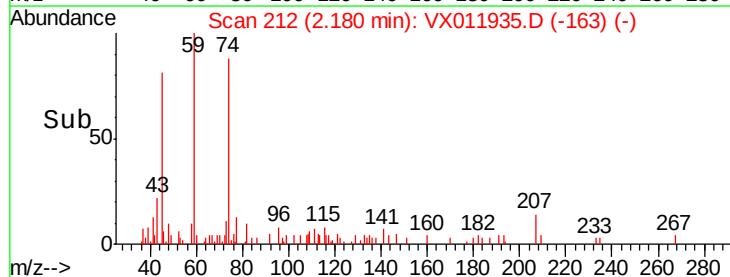
500

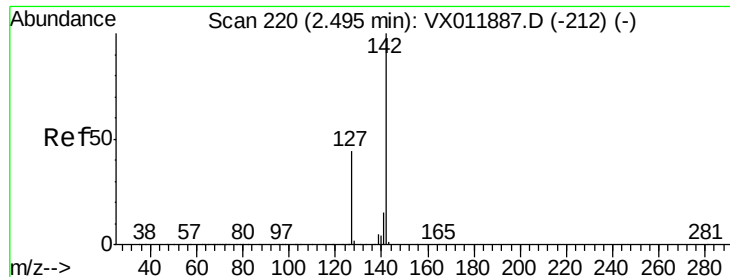
0

2.10 2.15 2.20 2.25

2.18

Time-->

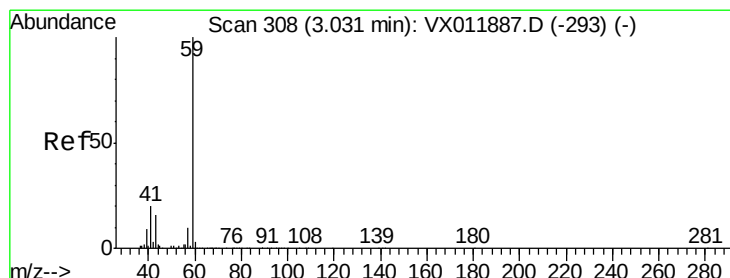
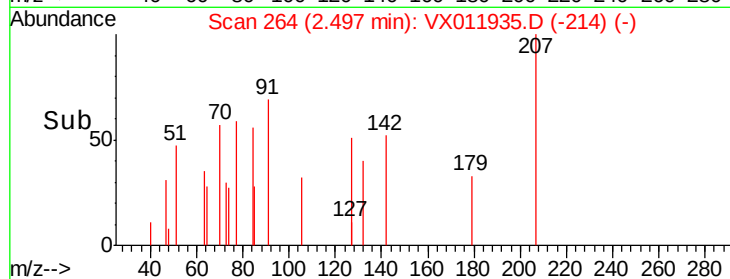
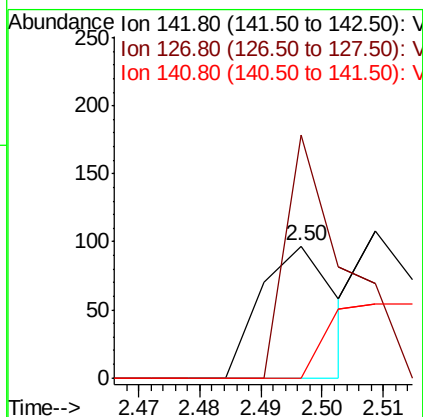
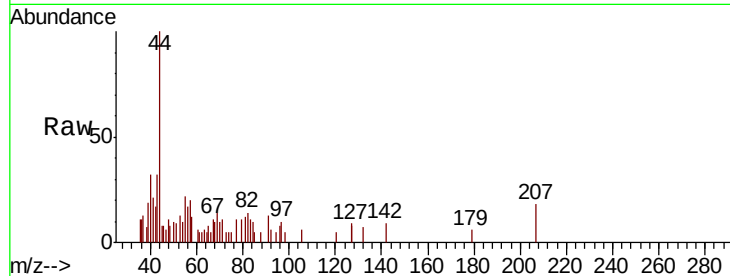




#10
Methyl Iodide
Concen: 3.698 ug/l
RT: 2.50 min Scan# 264
Delta R.T. 0.00 min
Lab File: VX011935.D
Acq: 31 Aug 2019 05:08

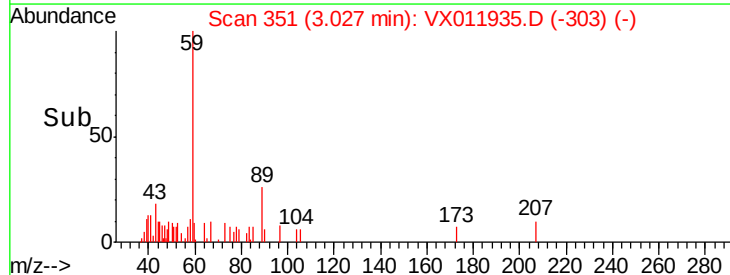
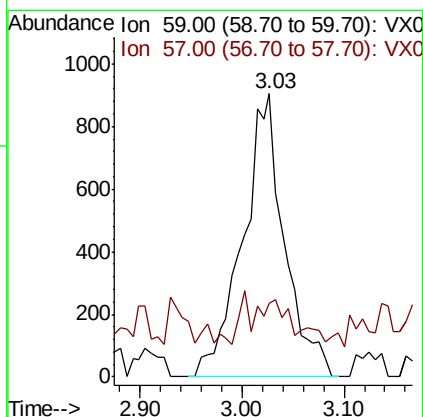
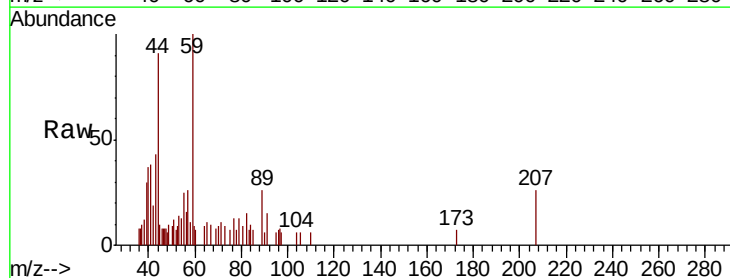
Instrument :
MSVOA_X
ClientSampled :
BFB

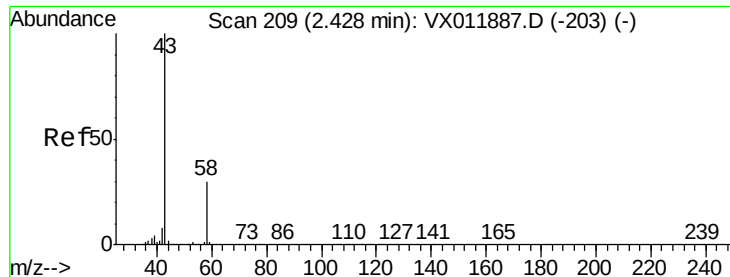
Tgt Ion:142 Resp: 82
Ion Ratio Lower Upper
142 100
127 147.6 35.7 53.5#
141 0.0 11.8 17.6#



#11
Tert butyl alcohol
Concen: 6.702 ug/l
RT: 3.03 min Scan# 351
Delta R.T. -0.00 min
Lab File: VX011935.D
Acq: 31 Aug 2019 05:08

Tgt Ion: 59 Resp: 2574
Ion Ratio Lower Upper
59 100
57 8.8 8.6 12.8





#16

Acetone

Concen: 12.938 ug/l

RT: 2.43 min Scan# 253

Delta R.T. 0.00 min

Lab File: VX011935.D

Acq: 31 Aug 2019 05:08

Instrument :

MSVOA_X

ClientSampleId :

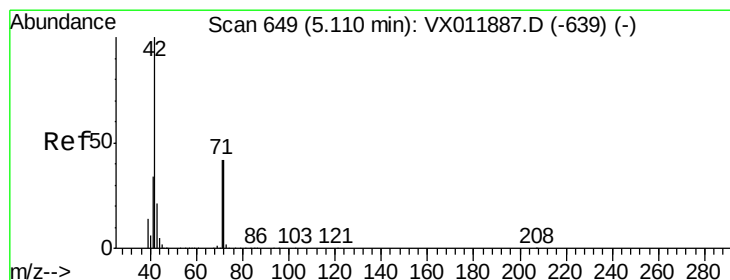
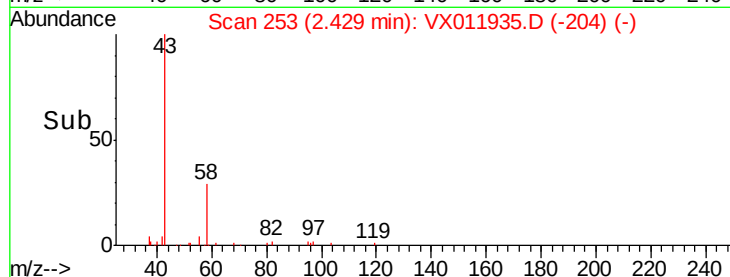
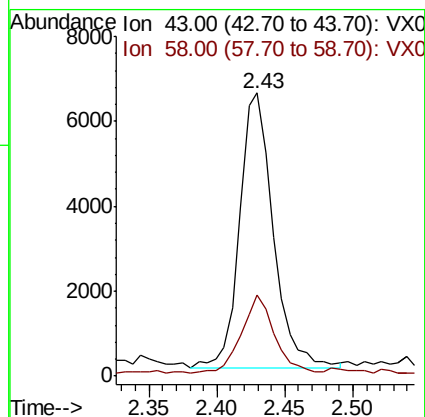
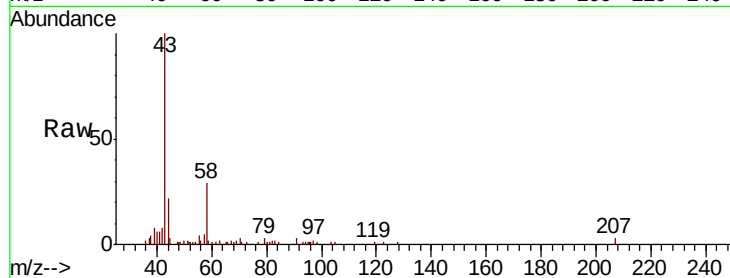
BFB

Tgt Ion: 43 Resp: 11112

Ion Ratio Lower Upper

43 100

58 28.8 23.8 35.8



#29

Tetrahydrofuran

Concen: 6.076 ug/l

RT: 5.12 min Scan# 695

Delta R.T. 0.01 min

Lab File: VX011935.D

Acq: 31 Aug 2019 05:08

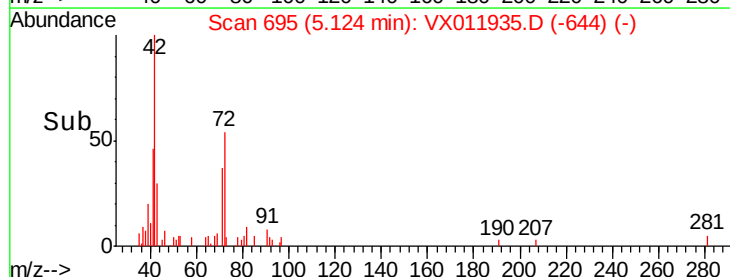
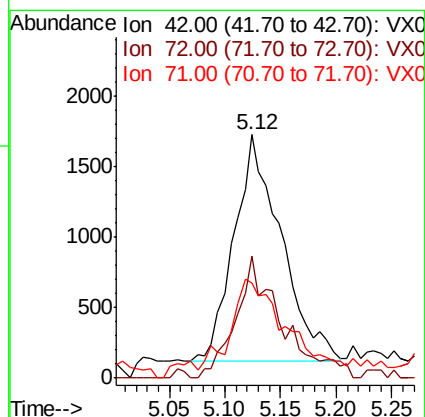
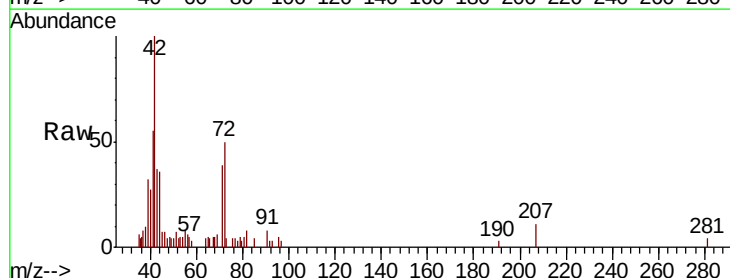
Tgt Ion: 42 Resp: 4744

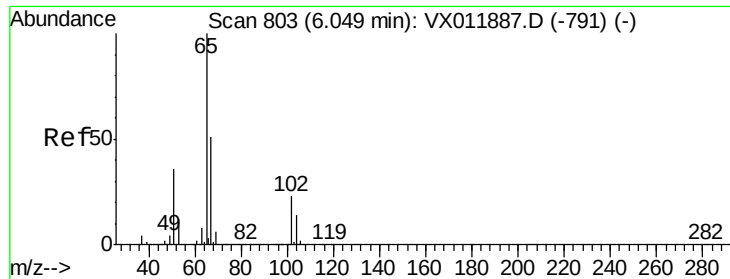
Ion Ratio Lower Upper

42 100

72 52.4 36.2 54.4

71 45.3 33.1 49.7

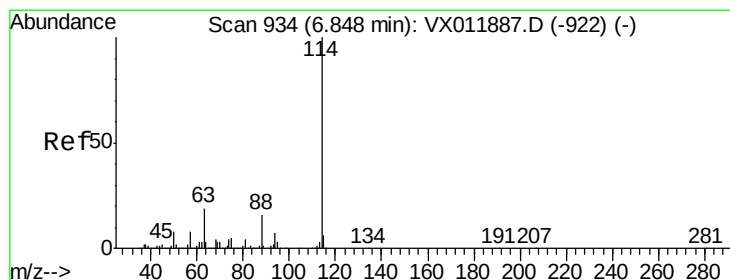
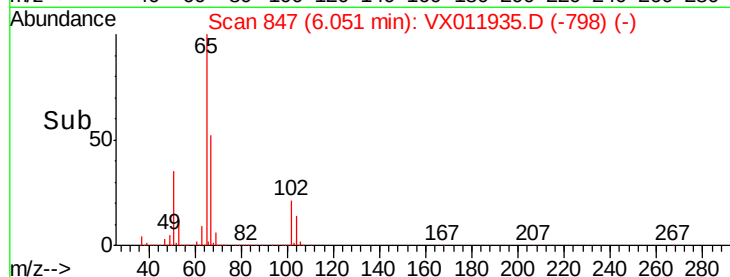
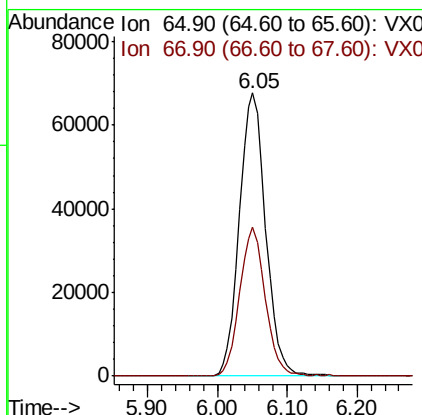
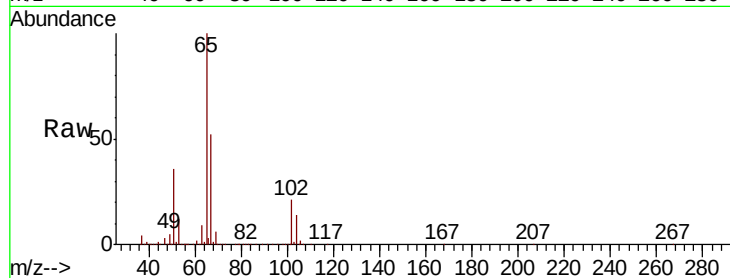




#33
 1,2-Dichloroethane-d4
 Concen: 44.395 ug/l
 RT: 6.05 min Scan# 847
 Delta R.T. 0.00 min
 Lab File: VX011935.D
 Acq: 31 Aug 2019 05:08

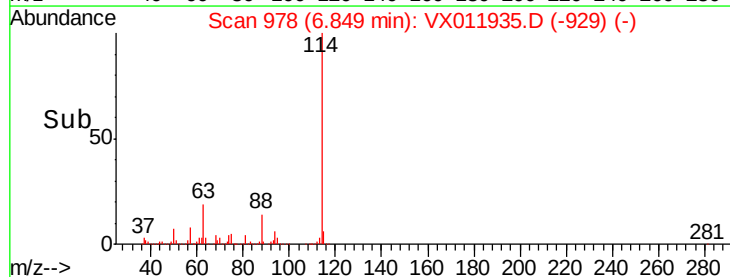
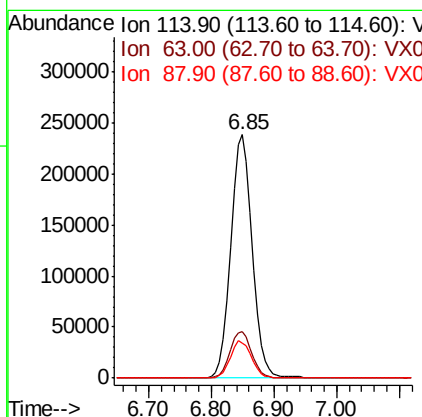
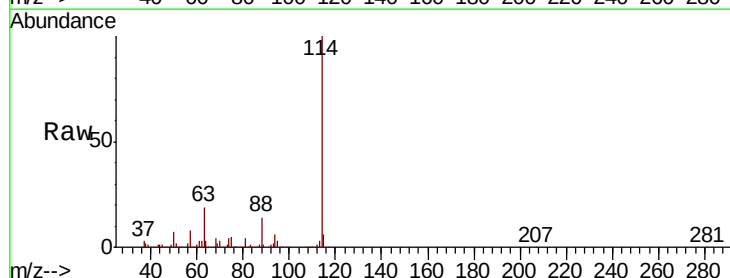
Instrument :
 MSVOA_X
 ClientSampleId :
 BFB

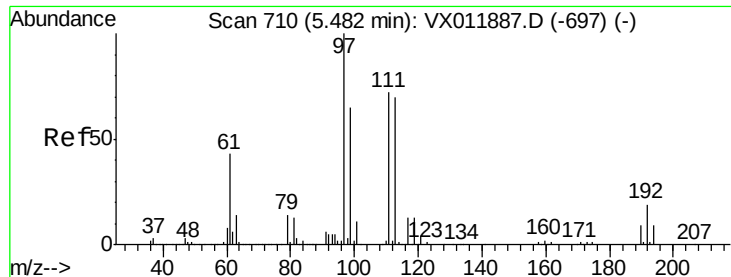
Tgt Ion: 65 Resp: 177222
 Ion Ratio Lower Upper
 65 100
 67 50.8 0.0 102.2



#34
 1,4-Difluorobenzene
 Concen: 50.000 ug/l
 RT: 6.85 min Scan# 978
 Delta R.T. 0.00 min
 Lab File: VX011935.D
 Acq: 31 Aug 2019 05:08

Tgt Ion: 114 Resp: 562613
 Ion Ratio Lower Upper
 114 100
 63 19.1 0.0 38.8
 88 14.5 0.0 31.2





#35

Dibromofluoromethane

Concen: 44.806 ug/l

RT: 5.48 min Scan# 754

Delta R.T. 0.00 min

Lab File: VX011935.D

Acq: 31 Aug 2019 05:08

Instrument :

MSVOA_X

ClientSampleId :

BFB

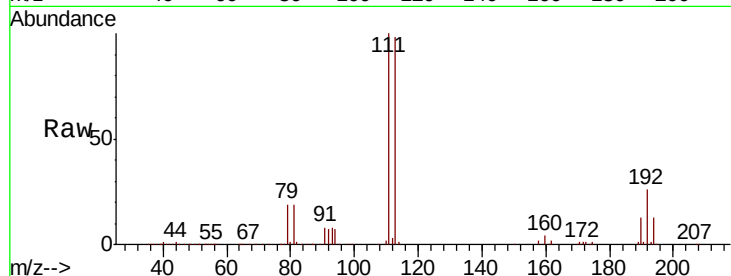
Tgt Ion:113 Resp: 161647

Ion Ratio Lower Upper

113 100

111 103.2 82.1 123.1

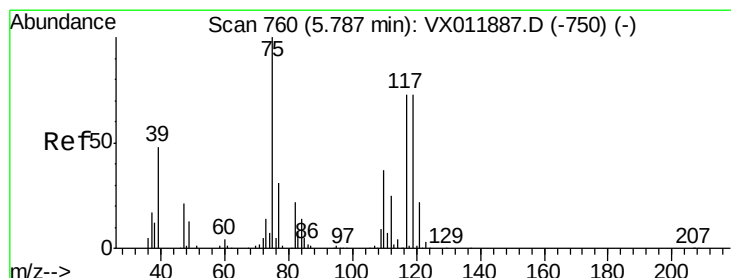
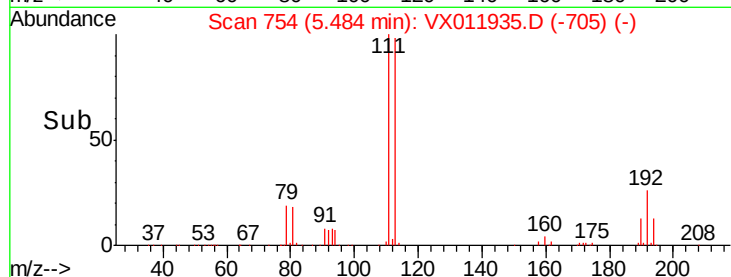
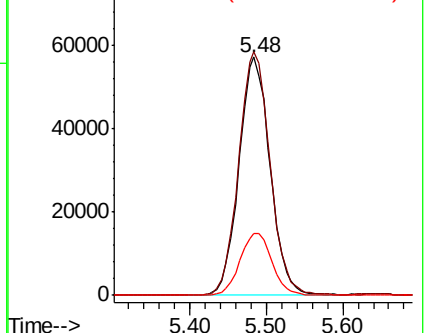
192 27.0 21.5 32.3



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: 5.799 ug/l

RT: 5.65 min Scan# 781

Delta R.T. -0.14 min

Lab File: VX011935.D

Acq: 31 Aug 2019 05:08

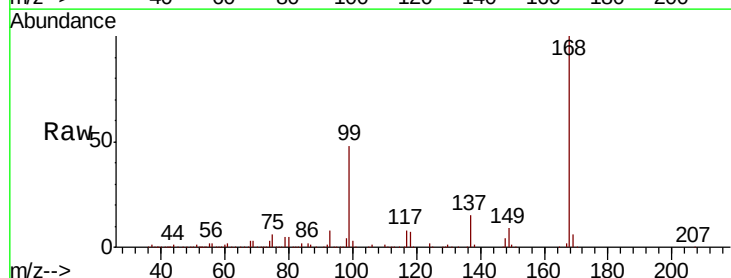
Tgt Ion: 75 Resp: 25846

Ion Ratio Lower Upper

75 100

110 10.6 19.1 57.3#

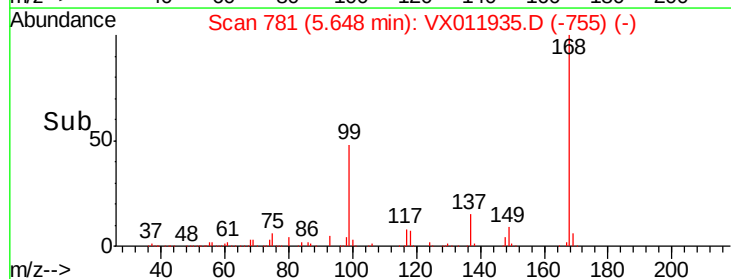
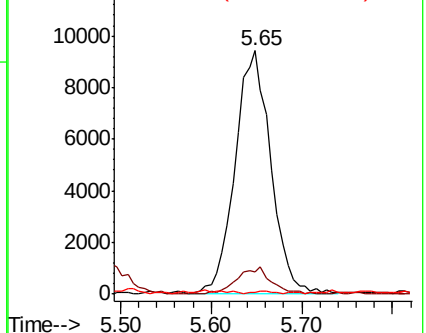
77 0.8 24.4 36.6#

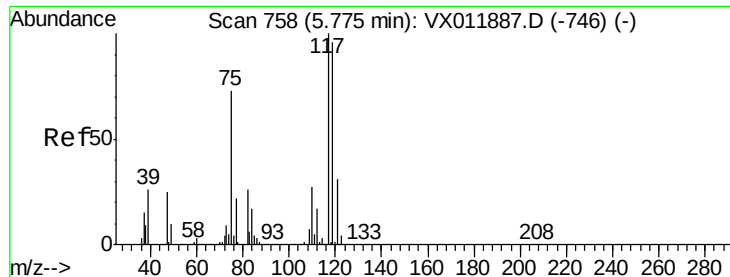


Abundance Ion 74.90 (74.60 to 75.60): VX0

Ion 109.90 (109.60 to 110.60): V

Ion 76.90 (76.60 to 77.60): VX0

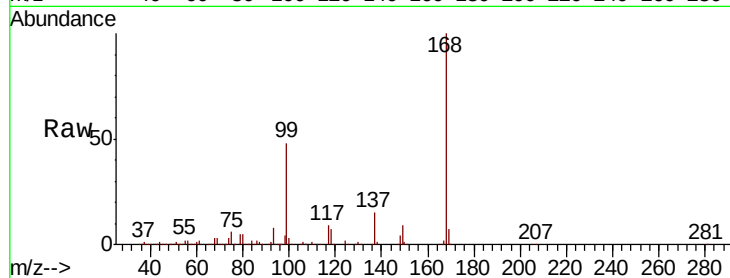




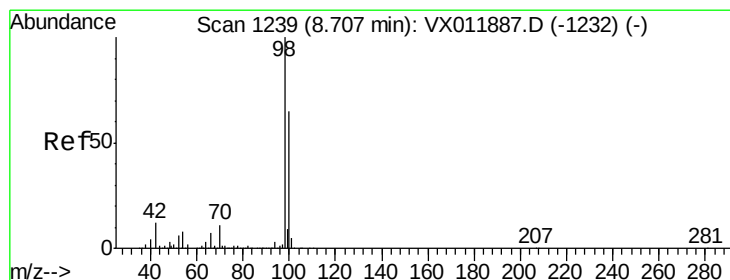
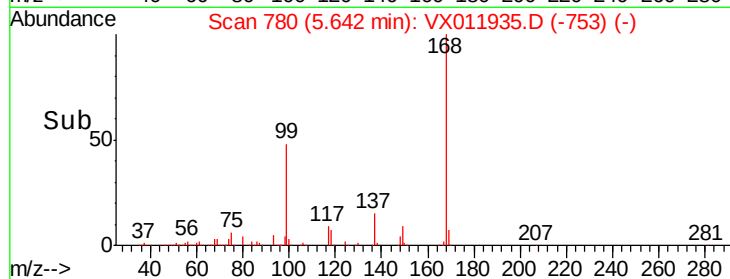
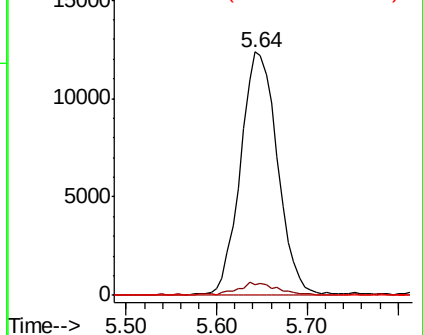
#38
Carbon Tetrachloride
Concen: 6.783 ug/l
RT: 5.64 min Scan# 780
Delta R.T. -0.13 min
Lab File: VX011935.D
Acq: 31 Aug 2019 05:08

Instrument :
MSVOA_X
ClientSampleId :
BFB

Tgt Ion: 117 Resp: 35065
Ion Ratio Lower Upper
117 100
119 4.3 76.6 114.8#
121 0.0 24.7 37.1#

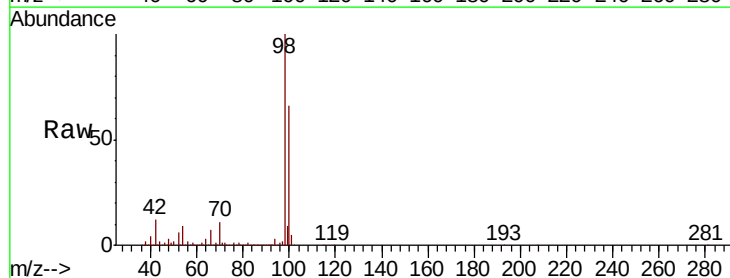


Abundance Ion 116.80 (116.50 to 117.50): V
Ion 118.80 (118.50 to 119.50): V
Ion 120.80 (120.50 to 121.50): V

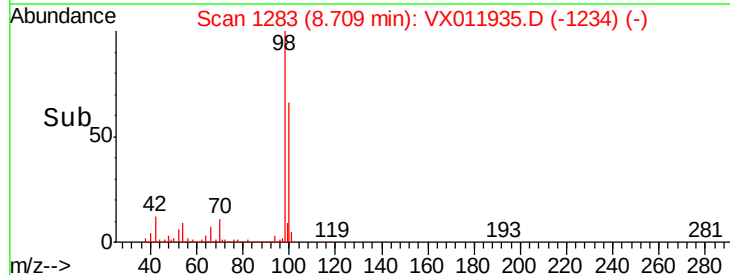
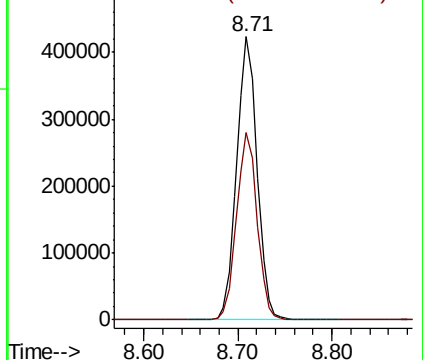


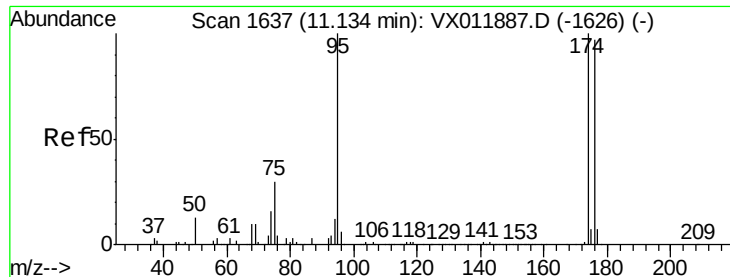
#50
Toluene-d8
Concen: 49.633 ug/l
RT: 8.71 min Scan# 1283
Delta R.T. 0.00 min
Lab File: VX011935.D
Acq: 31 Aug 2019 05:08

Tgt Ion: 98 Resp: 640085
Ion Ratio Lower Upper
98 100
100 66.4 53.0 79.6



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





#62

4-Bromofluorobenzene

Concen: 42.060 ug/l

RT: 11.14 min Scan# 1681

Delta R.T. 0.00 min

Lab File: VX011935.D

Acq: 31 Aug 2019 05:08

Instrument :

MSVOA_X

ClientSampled :

BFB

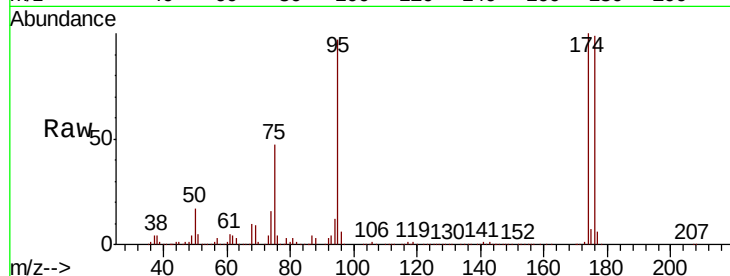
Tgt Ion: 95 Resp: 237941

Ion Ratio Lower Upper

95 100

174 99.3 0.0 196.0

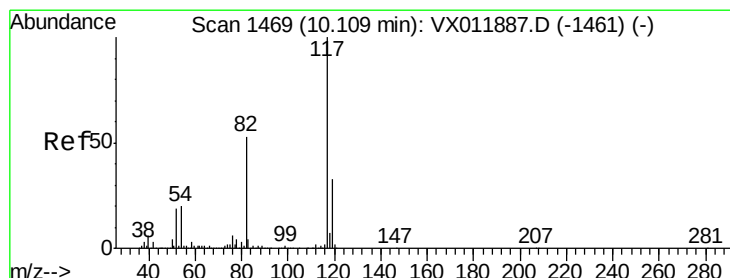
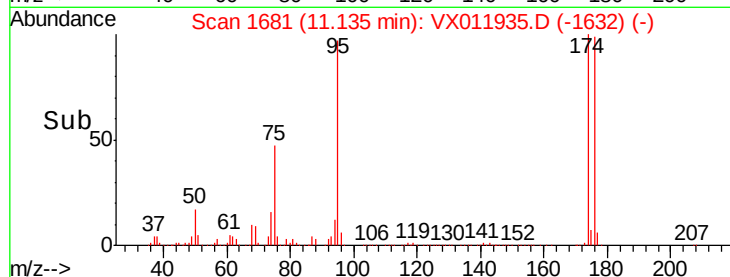
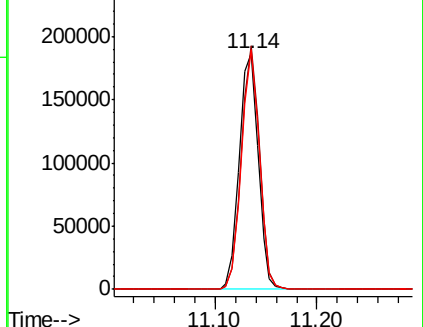
176 96.6 0.0 191.4



Abundance Ion 94.90 (94.60 to 95.60): VX011887.D (-1626) (-)

Ion 173.80 (173.50 to 174.50): VX011887.D (-1626) (-)

Ion 175.80 (175.50 to 176.50): VX011887.D (-1626) (-)



#63

Chlorobenzene-d5

Concen: 50.000 ug/l

RT: 10.11 min Scan# 1513

Delta R.T. 0.00 min

Lab File: VX011935.D

Acq: 31 Aug 2019 05:08

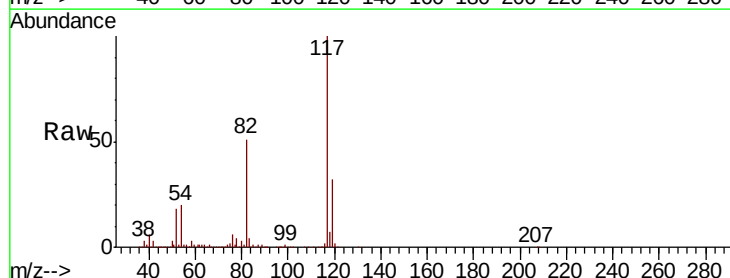
Tgt Ion: 117 Resp: 499289

Ion Ratio Lower Upper

117 100

82 50.9 42.0 63.0

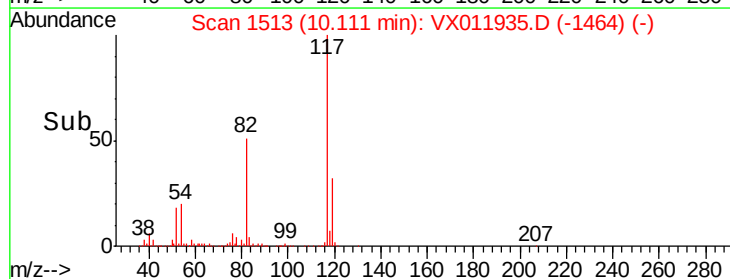
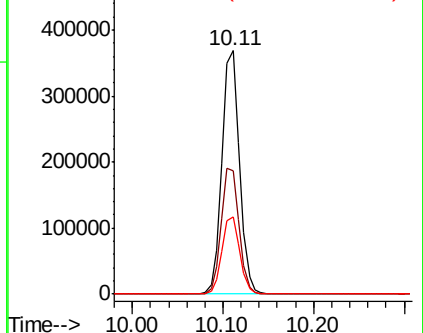
119 31.6 26.2 39.4

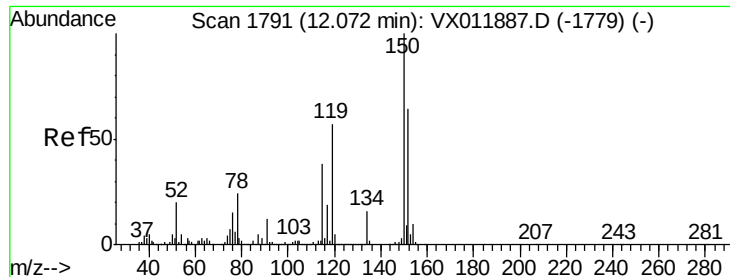


Abundance Ion 116.90 (116.60 to 117.60): VX011887.D (-1461) (-)

Ion 82.00 (81.70 to 82.70): VX011887.D (-1461) (-)

Ion 118.90 (118.60 to 119.60): VX011887.D (-1461) (-)



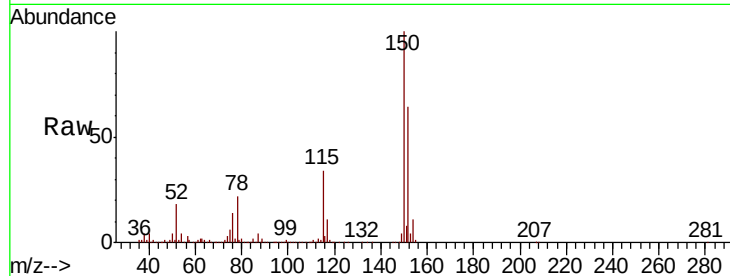


#72

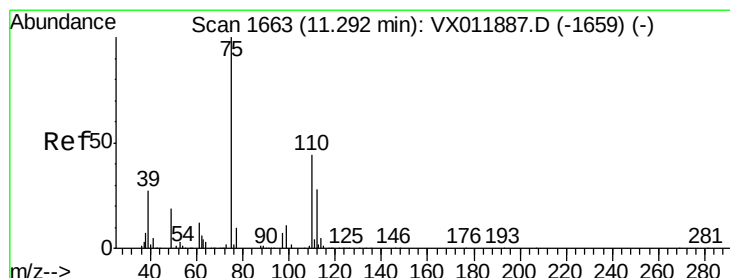
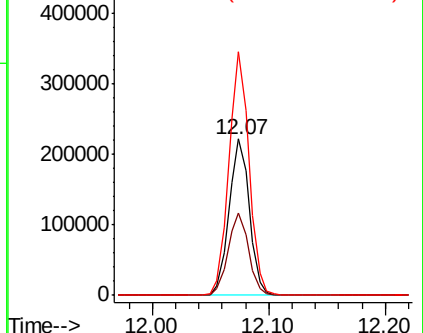
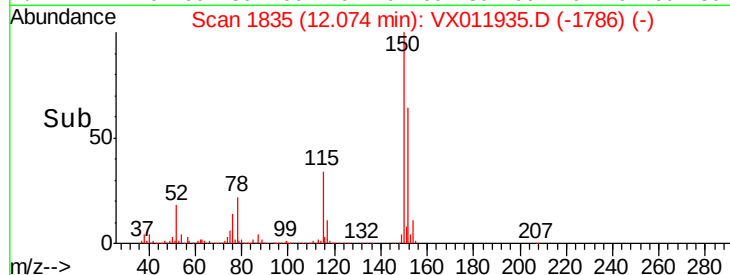
1,4-Dichlorobenzene-d4
Concen: 50.000 ug/l
RT: 12.07 min Scan# 1835
Delta R.T. 0.00 min
Lab File: VX011935.D
Acq: 31 Aug 2019 05:08

Instrument :
MSVOA_X
ClientSampleId :
BFB

Tgt Ion: 152 Resp: 269204
Ion Ratio Lower Upper
152 100
115 52.9 37.1 111.3
150 154.6 0.0 339.6



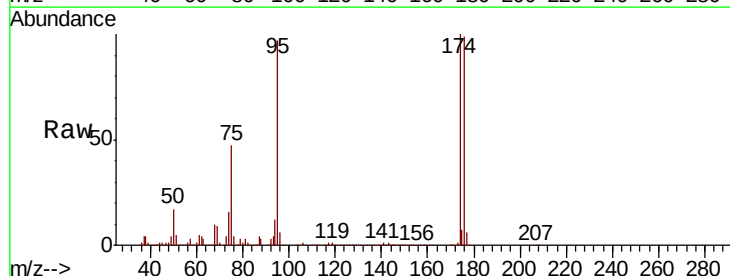
Abundance Ion 151.90 (151.60 to 152.60): V
Ion 114.90 (114.60 to 115.60): V
Ion 149.90 (149.60 to 150.60): V



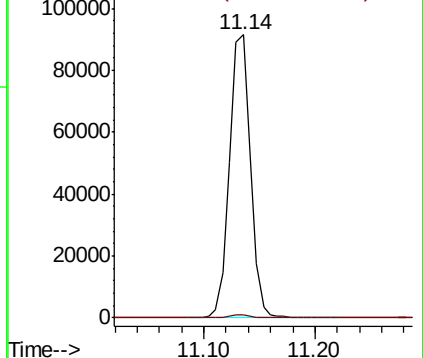
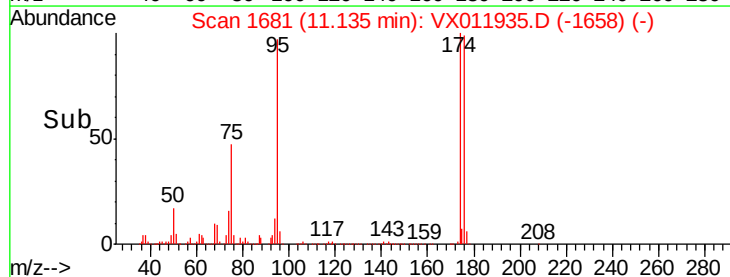
#76

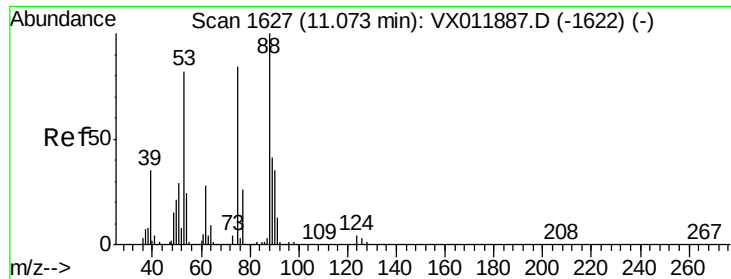
1,2,3-Trichloropropane
Concen: 45.140 ug/l
RT: 11.14 min Scan# 1681
Delta R.T. -0.16 min
Lab File: VX011935.D
Acq: 31 Aug 2019 05:08

Tgt Ion: 75 Resp: 119538
Ion Ratio Lower Upper
75 100
77 1.2 20.9 62.7#



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: 113.399 ug/l
 RT: 11.14 min Scan# 1681
 Delta R.T. 0.06 min
 Lab File: VX011935.D
 Acq: 31 Aug 2019 05:08

Instrument :
 MSVOA_X
 ClientSampleId :
 BFB

Tgt Ion: 75 Resp: 119538
 Ion Ratio Lower Upper
 75 100
 53 0.1 77.1 115.7#
 89 0.0 38.2 57.2#

