

Data Path : Z:\VOASRV\HPCHEM1\MSVOA_X\DATA\VX083119\
 Data File : VX011957.D
 Acq On : 31 Aug 2019 18:11
 Operator : SY/SP
 Sample : K4526-04
 Misc : 5.55g/5.0mL/MSVOA_X/SOIL
 ALS Vial : 1 Sample Multiplier: 1

Instrument :
 MSVOA_X
 ClientSampleId :
 T9-12-13-D-(1.9)

Quant Time: Sep 01 01:52:07 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	449176	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	6.85	114	581033	50.00	ug/l	0.00
63) Chlorobenzene-d5	10.11	117	512573	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	12.07	152	268073	50.00	ug/l	0.00

System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	6.05	65	184758	42.93	ug/l	0.00
Spiked Amount	50.000		Recovery	=	85.86%	
35) Dibromofluoromethane	5.48	113	172365	46.26	ug/l	0.00
Spiked Amount	50.000		Recovery	=	92.52%	
50) Toluene-d8	8.71	98	656805	49.31	ug/l	0.00
Spiked Amount	50.000		Recovery	=	98.62%	
62) 4-Bromofluorobenzene	11.13	95	243972	41.76	ug/l	0.00
Spiked Amount	50.000		Recovery	=	83.52%	

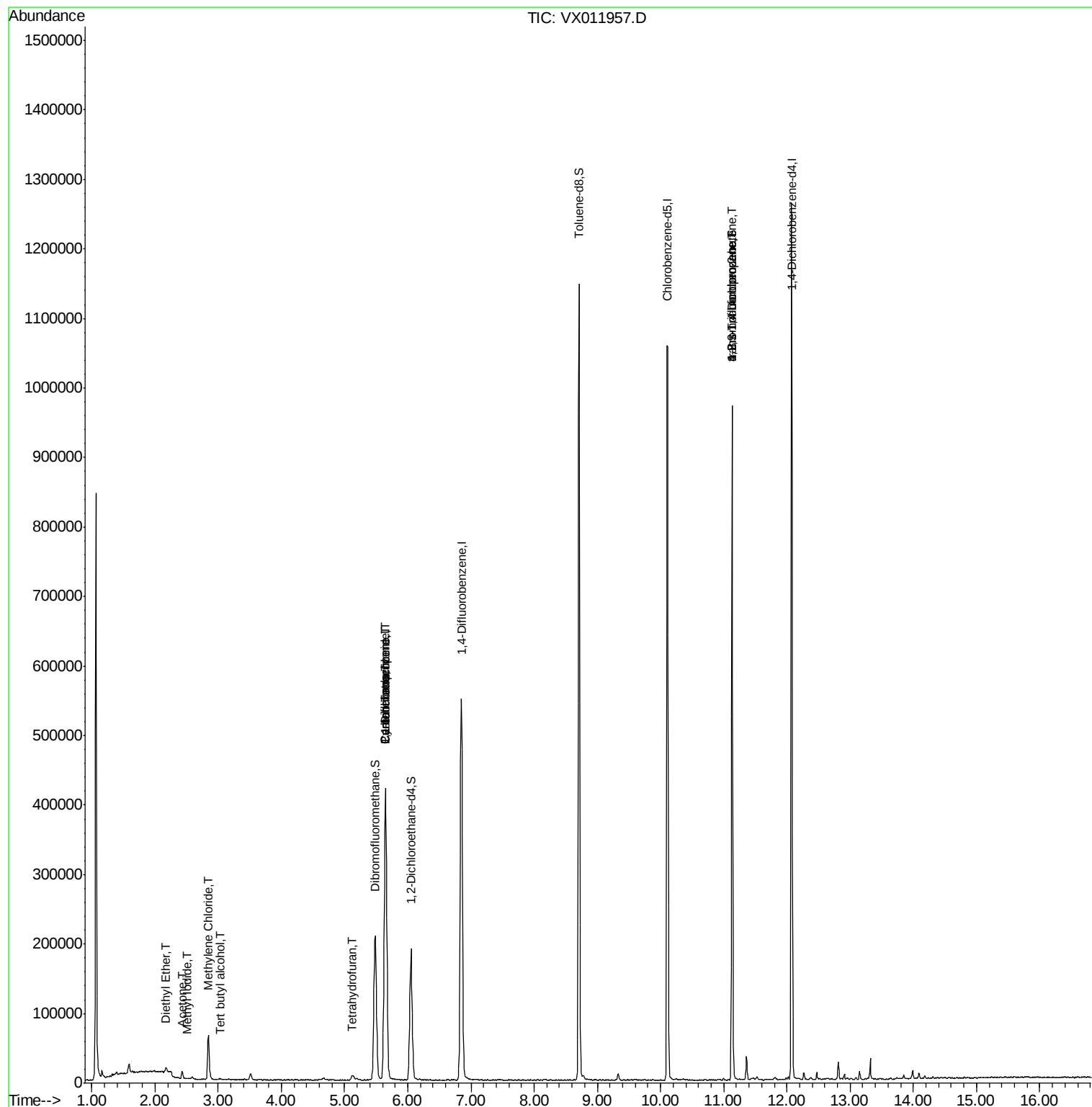
Target Compounds	R.T.	QIon	Response	Conc	Units	Qvalue
8) Diethyl Ether	2.17	74	2413	1.347	ug/l	87
10) Methyl Iodide	2.51	142	271	3.744	ug/l #	63
11) Tert butyl alcohol	3.03	59	1465	3.538	ug/l #	88
16) Acetone	2.43	43	11180	12.074	ug/l	99
20) Methylene Chloride	2.84	84	30271	3.051	ug/l	94
29) Tetrahydrofuran	5.13	42	7226	8.585	ug/l #	88
31) Cyclohexane	5.64	56	7073	1.316	ug/l #	17
36) 1,1-Dichloropropene	5.64	75	26471	5.751	ug/l #	51
38) Carbon Tetrachloride	5.65	117	38106	7.138	ug/l #	16
76) 1,2,3-Trichloropropane	11.13	75	121231	45.972	ug/l #	36
81) trans-1,4-Dichloro-2-buten	11.13	75	121231	115.490	ug/l #	11

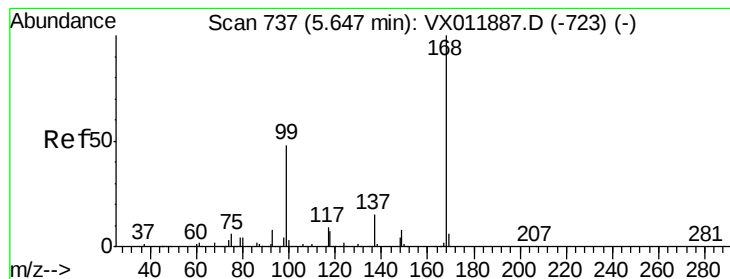
(#) = qualifier out of range (m) = manual integration (+) = signals summed

Data Path : Z:\V0ASRV\HPCHEM1\MSVOA_X\DATA\VX083119\
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T9-12-13-D-(1.9)

Quant Time: Sep 01 01:52:07 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: VX011957.D

Acq: 31 Aug 2019 18:11

Instrument :

MSVOA_X

ClientSampleId :

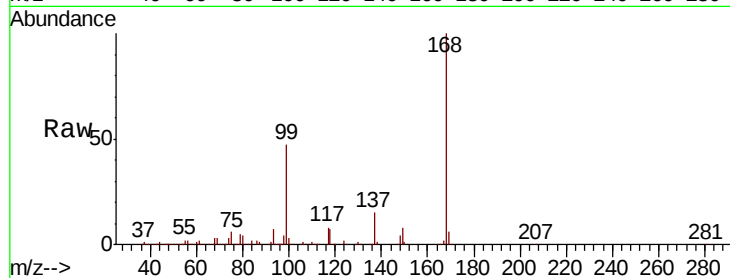
T9-12-13-D-(1.9)

Tgt Ion:168 Resp: 449176

Ion Ratio Lower Upper

168 100

99 46.9 38.4 57.6



Abundance Ion 167.90 (167.60 to 168.60): V

Ion 98.90 (98.60 to 99.60): VX0

5.65

150000

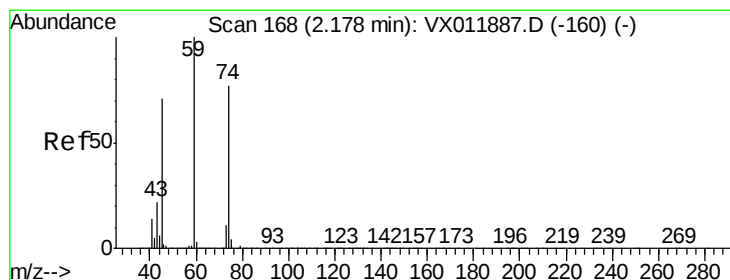
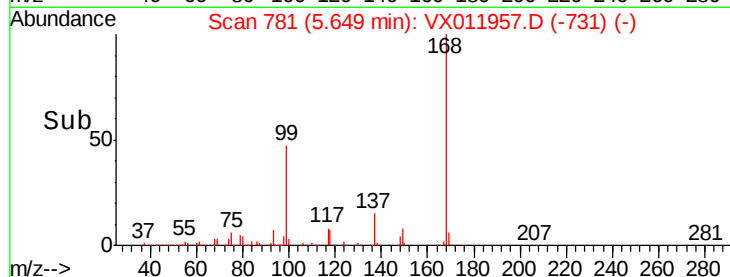
100000

50000

0

Time-->

5.50 5.60 5.70 5.80



#8

Diethyl Ether

Concen: 1.347 ug/l

RT: 2.17 min Scan# 211

Delta R.T. -0.00 min

Lab File: VX011957.D

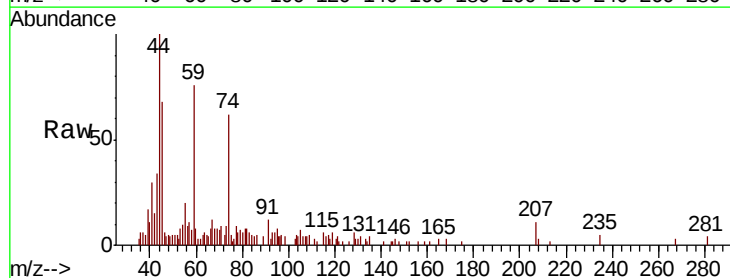
Acq: 31 Aug 2019 18:11

Tgt Ion: 74 Resp: 2413

Ion Ratio Lower Upper

74 100

45 80.9 46.7 140.1



Abundance Ion 74.00 (73.70 to 74.70): VX0

Ion 45.00 (44.70 to 45.70): VX0

2.17

1500

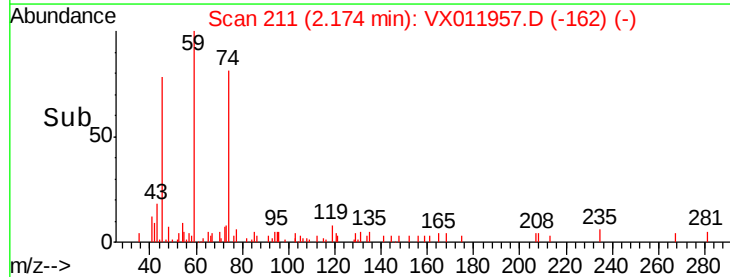
1000

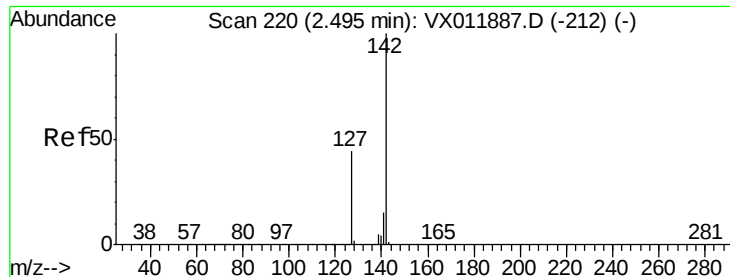
500

0

Time-->

2.15 2.20

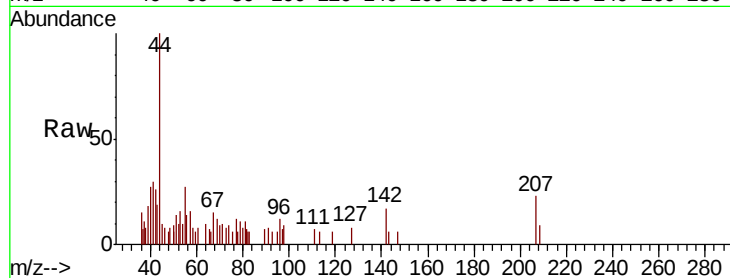




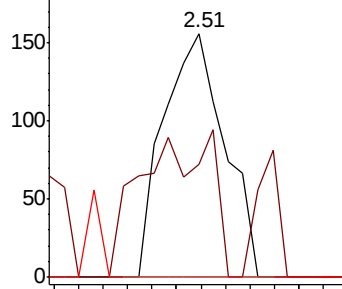
#10
Methyl Iodide
Concen: 3.744 ug/l
RT: 2.51 min Scan# 266
Delta R.T. 0.01 min
Lab File: VX011957.D
Acq: 31 Aug 2019 18:11

Instrument :
MSVOA_X
ClientSampleId :
T9-12-13-D-(1.9)

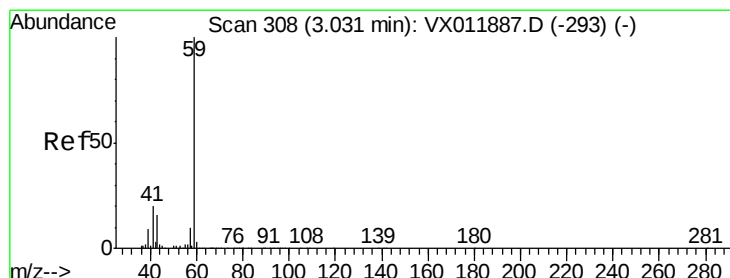
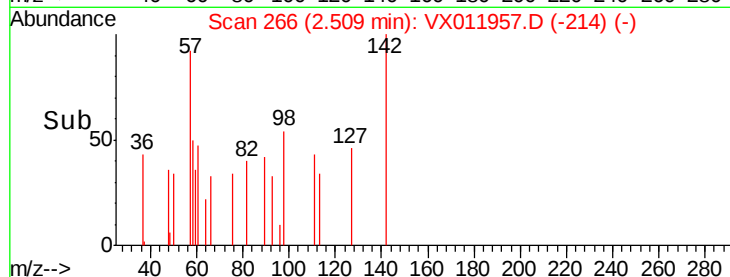
Tgt Ion:142 Resp: 271
Ion Ratio Lower Upper
142 100
127 68.6 35.7 53.5#
141 0.0 11.8 17.6#



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

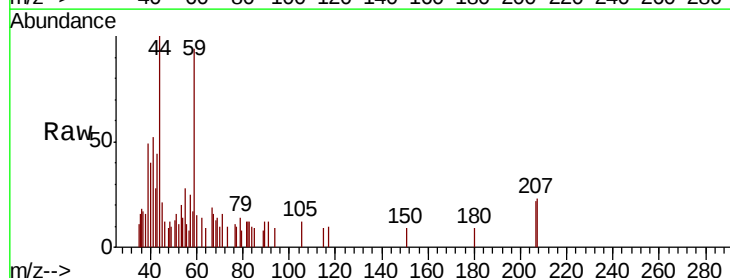


Time-->

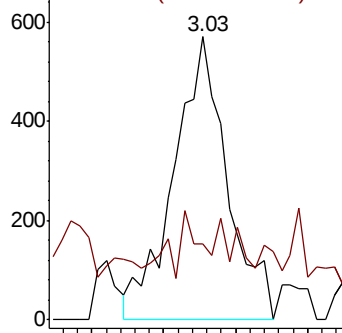


#11
Tert butyl alcohol
Concen: 3.538 ug/l
RT: 3.03 min Scan# 351
Delta R.T. -0.00 min
Lab File: VX011957.D
Acq: 31 Aug 2019 18:11

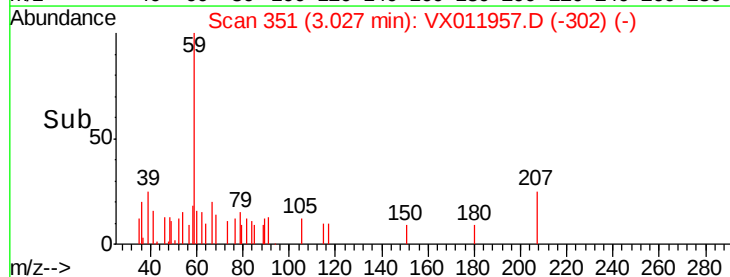
Tgt Ion: 59 Resp: 1465
Ion Ratio Lower Upper
59 100
57 6.1 8.6 12.8#

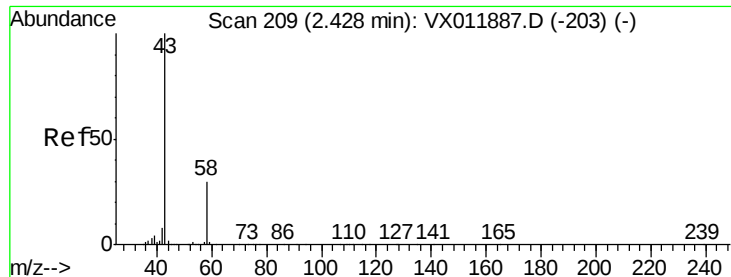


Abundance Ion 59.00 (58.70 to 59.70): VX0
Ion 57.00 (56.70 to 57.70): VX0



Time-->





#16

Acetone

Concen: 12.074 ug/l

RT: 2.43 min Scan# 253

Delta R.T. 0.00 min

Lab File: VX011957.D

Acq: 31 Aug 2019 18:11

Instrument :

MSVOA_X

ClientSampleId :

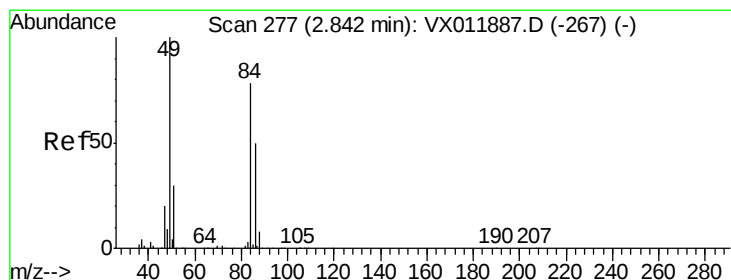
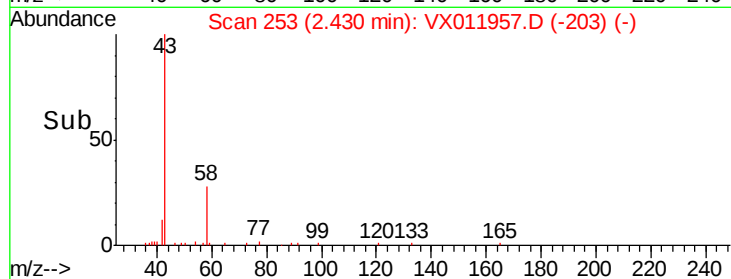
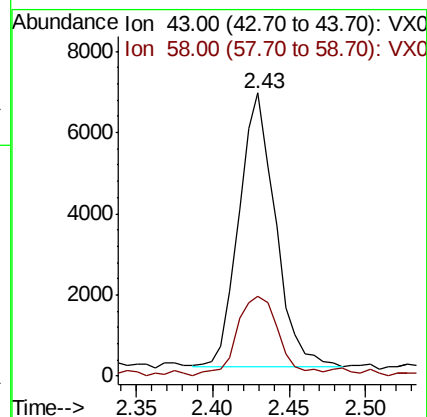
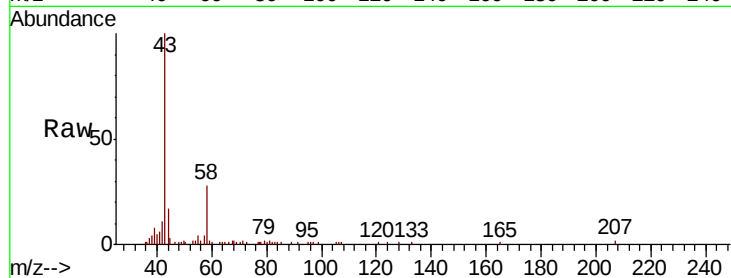
T9-12-13-D-(1.9)

Tgt Ion: 43 Resp: 11180

Ion Ratio Lower Upper

43 100

58 29.3 23.8 35.8



#20

Methylene Chloride

Concen: 3.051 ug/l

RT: 2.84 min Scan# 321

Delta R.T. 0.00 min

Lab File: VX011957.D

Acq: 31 Aug 2019 18:11

Tgt Ion: 84 Resp: 30271

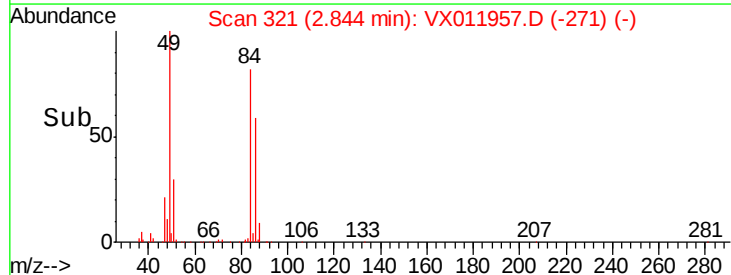
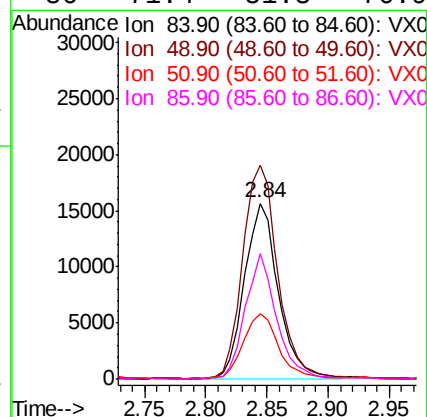
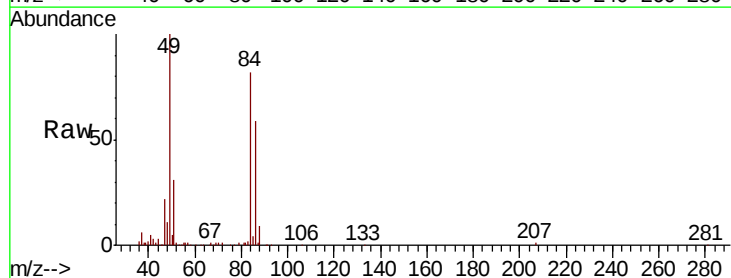
Ion Ratio Lower Upper

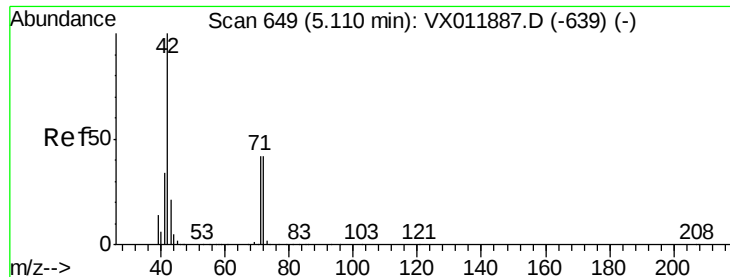
84 100

49 121.7 103.0 154.4

51 36.9 30.8 46.2

86 71.4 51.3 76.9

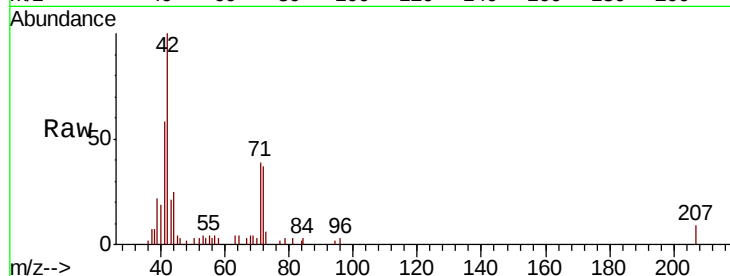




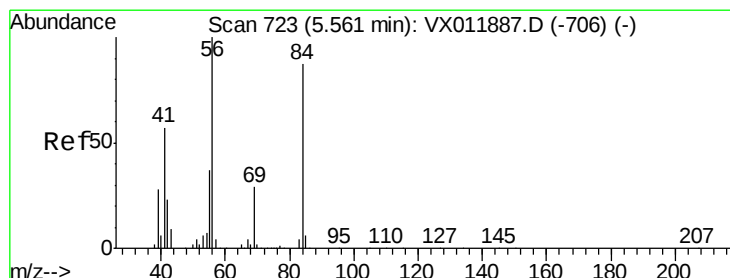
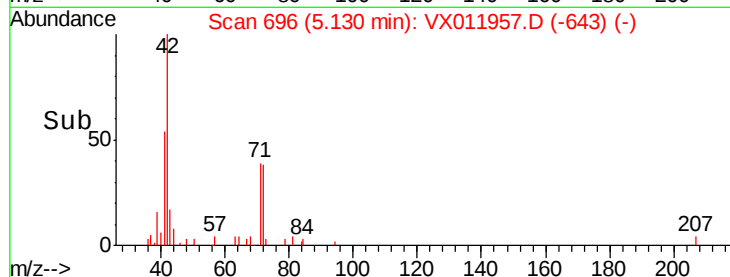
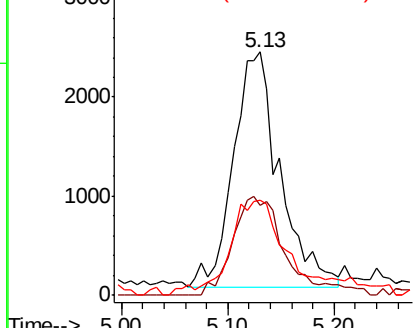
#29
Tetrahydrofuran
Concen: 8.585 ug/l
RT: 5.13 min Scan# 696
Delta R.T. 0.02 min
Lab File: VX011957.D
Acq: 31 Aug 2019 18:11

Instrument :
MSVOA_X
ClientSampleId :
T9-12-13-D-(1.9)

Tgt Ion: 42 Resp: 7226
Ion Ratio Lower Upper
42 100
72 47.7 36.2 54.4
71 55.0 33.1 49.7#

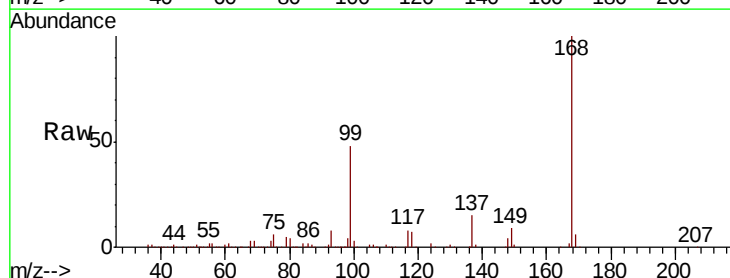


Abundance Ion 42.00 (41.70 to 42.70): VX0
Ion 72.00 (71.70 to 72.70): VX0
Ion 71.00 (70.70 to 71.70): VX0

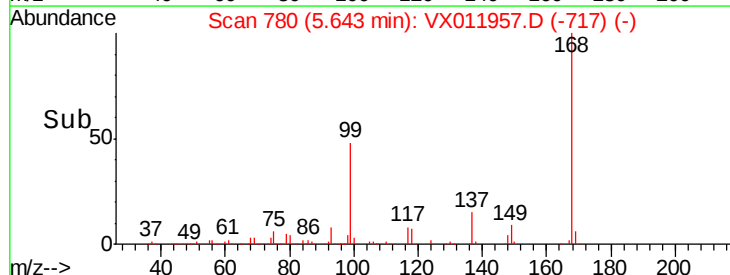
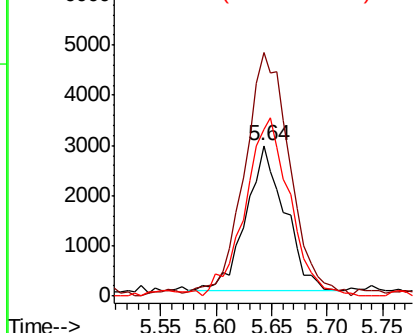


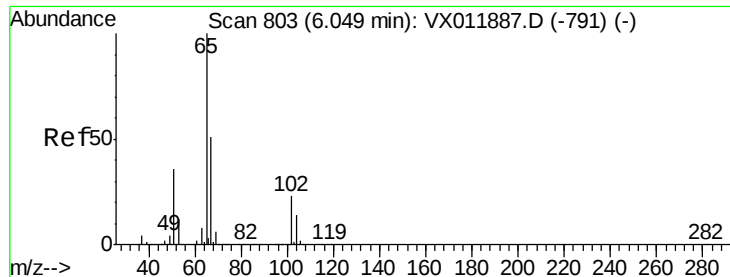
#31
Cyclohexane
Concen: 1.316 ug/l
RT: 5.64 min Scan# 780
Delta R.T. 0.08 min
Lab File: VX011957.D
Acq: 31 Aug 2019 18:11

Tgt Ion: 56 Resp: 7073
Ion Ratio Lower Upper
56 100
69 164.4 23.1 34.7#
84 111.5 69.6 104.4#



Abundance Ion 56.00 (55.70 to 56.70): VX0
Ion 69.00 (68.70 to 69.70): VX0
Ion 84.00 (83.70 to 84.70): VX0





#33

1,2-Dichloroethane-d4

Concen: 42.932 ug/l

RT: 6.05 min Scan# 847

Delta R.T. 0.00 min

Lab File: VX011957.D

Acq: 31 Aug 2019 18:11

Instrument :

MSVOA_X

ClientSampleId :

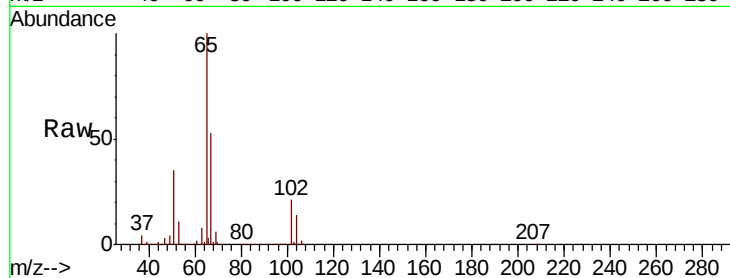
T9-12-13-D-(1.9)

Tgt Ion: 65 Resp: 184758

Ion Ratio Lower Upper

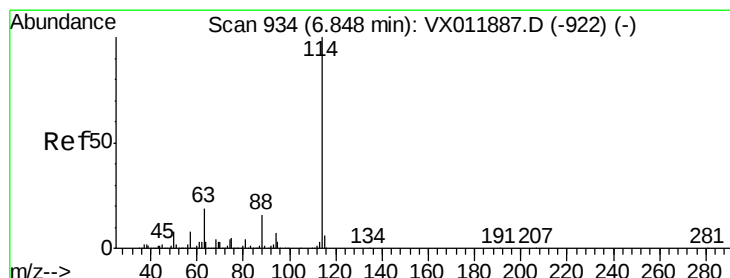
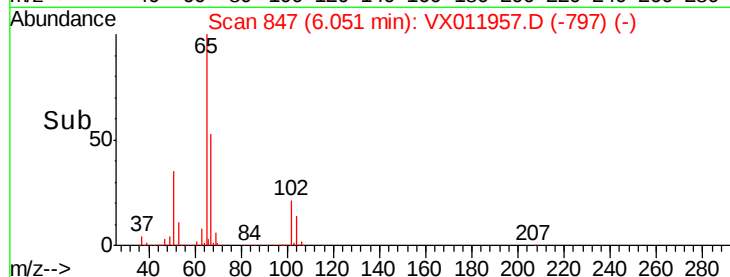
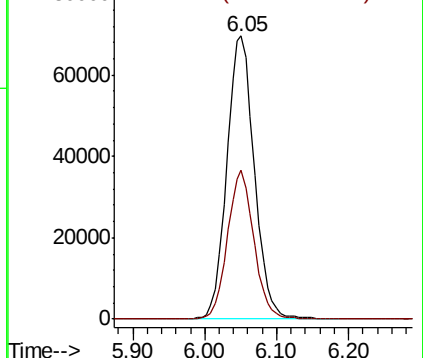
65 100

67 50.2 0.0 102.2



Abundance Ion 64.90 (64.60 to 65.60): VX0

Ion 66.90 (66.60 to 67.60): VX0



#34

1,4-Difluorobenzene

Concen: 50.000 ug/l

RT: 6.85 min Scan# 978

Delta R.T. 0.00 min

Lab File: VX011957.D

Acq: 31 Aug 2019 18:11

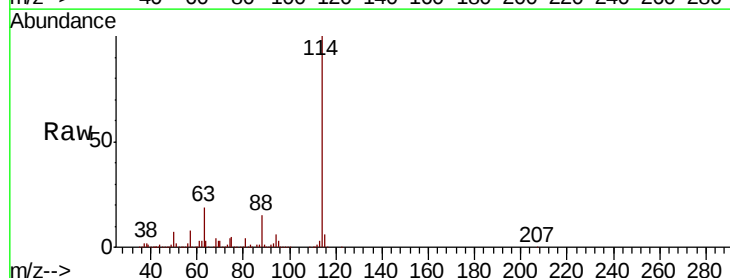
Tgt Ion: 114 Resp: 581033

Ion Ratio Lower Upper

114 100

63 19.3 0.0 38.8

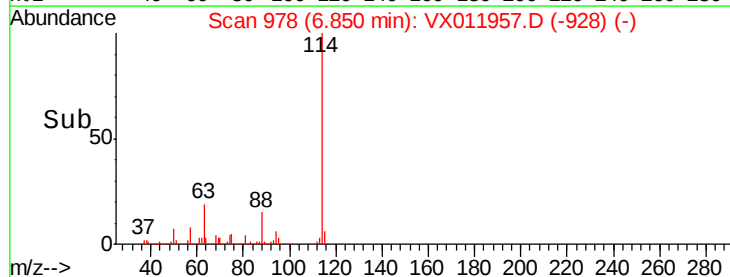
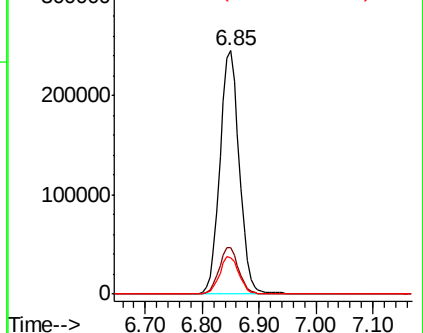
88 14.9 0.0 31.2

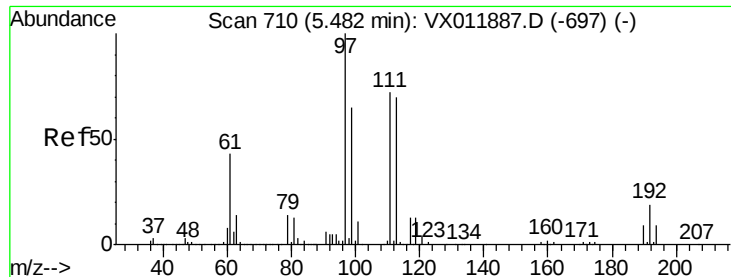


Abundance Ion 113.90 (113.60 to 114.60): V

Ion 63.00 (62.70 to 63.70): VX0

Ion 87.90 (87.60 to 88.60): VX0





#35

Dibromofluoromethane

Concen: 46.262 ug/l

RT: 5.48 min Scan# 754

Delta R.T. 0.00 min

Lab File: VX011957.D

Acq: 31 Aug 2019 18:11

Instrument :

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ClientSampleId :

T9-12-13-D-(1.9)

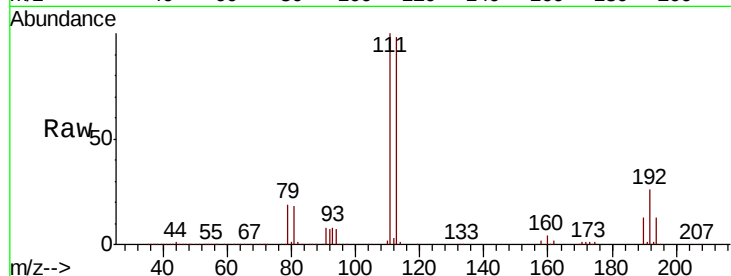
Tgt Ion:113 Resp: 172365

Ion Ratio Lower Upper

113 100

111 101.0 82.1 123.1

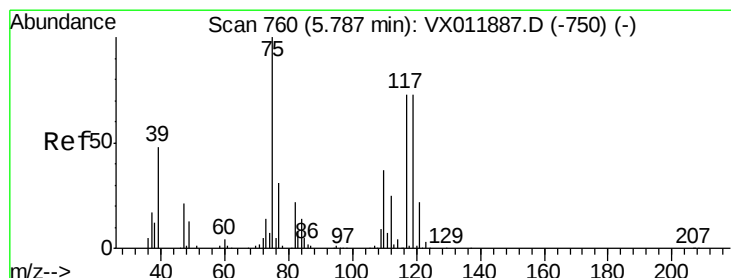
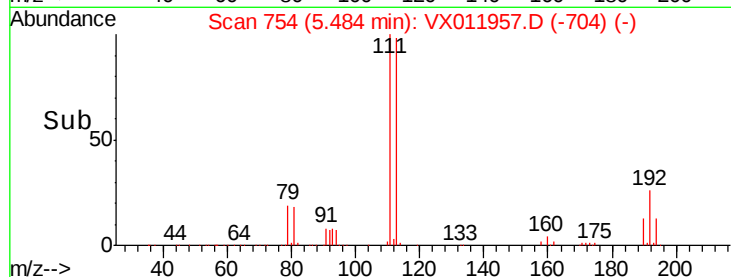
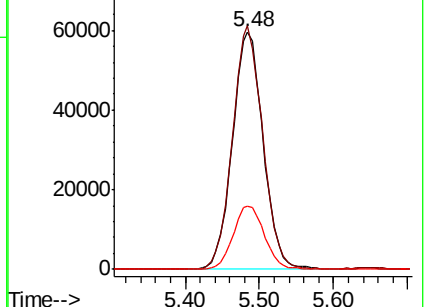
192 27.2 21.5 32.3



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: 5.751 ug/l

RT: 5.64 min Scan# 780

Delta R.T. -0.14 min

Lab File: VX011957.D

Acq: 31 Aug 2019 18:11

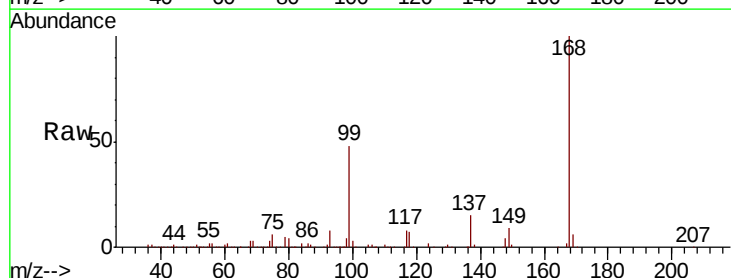
Tgt Ion: 75 Resp: 26471

Ion Ratio Lower Upper

75 100

110 11.5 19.1 57.3#

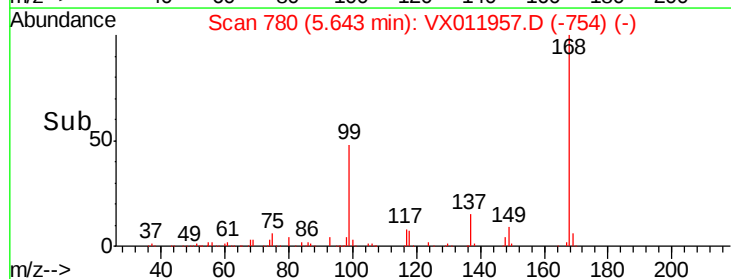
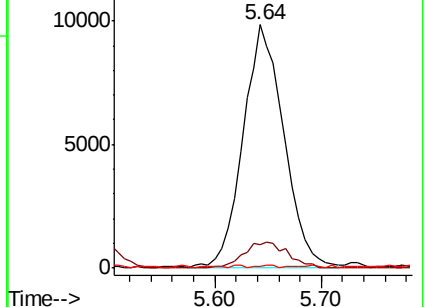
77 0.5 24.4 36.6#

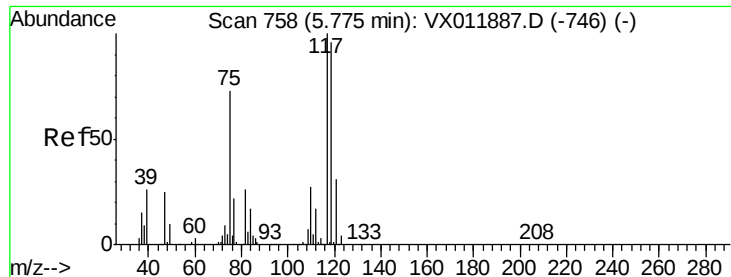


Abundance Ion 74.90 (74.60 to 75.60): VX0

Ion 109.90 (109.60 to 110.60): V

Ion 76.90 (76.60 to 77.60): VX0

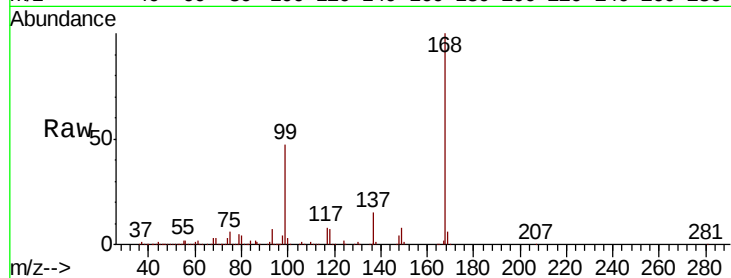




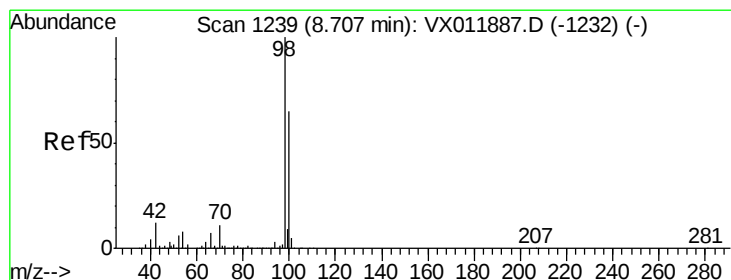
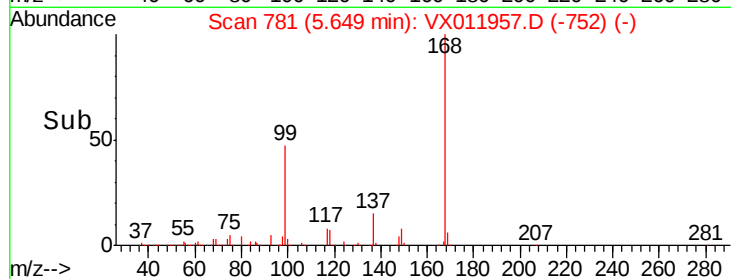
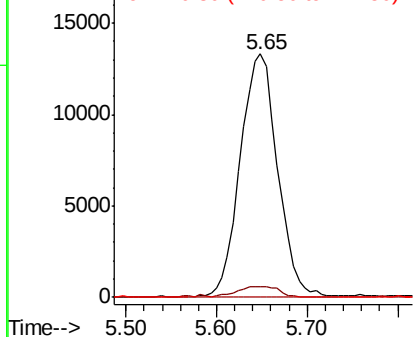
#38
Carbon Tetrachloride
Concen: 7.138 ug/l
RT: 5.65 min Scan# 781
Delta R.T. -0.13 min
Lab File: VX011957.D
Acq: 31 Aug 2019 18:11

Instrument :
MSVOA_X
ClientSampled :
T9-12-13-D-(1.9)

Tgt Ion:117 Resp: 38106
Ion Ratio Lower Upper
117 100
119 4.6 76.6 114.8#
121 0.0 24.7 37.1#

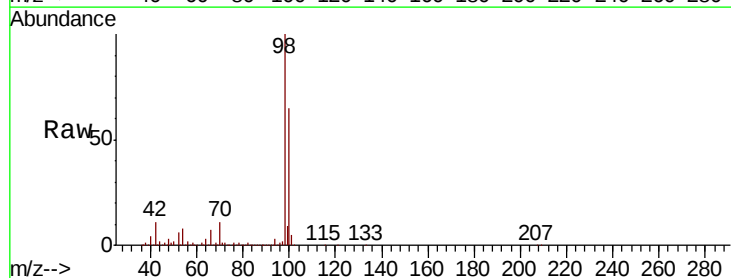


Abundance Ion 116.80 (116.50 to 117.50): V
Ion 118.80 (118.50 to 119.50): V
Ion 120.80 (120.50 to 121.50): V

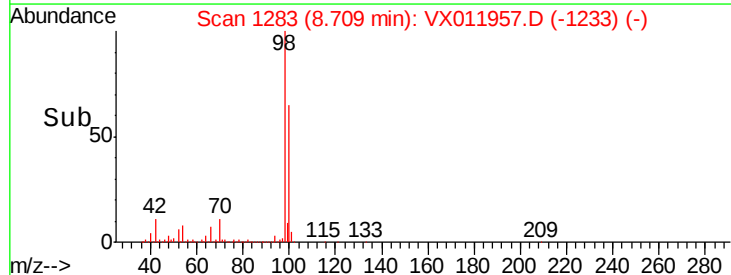
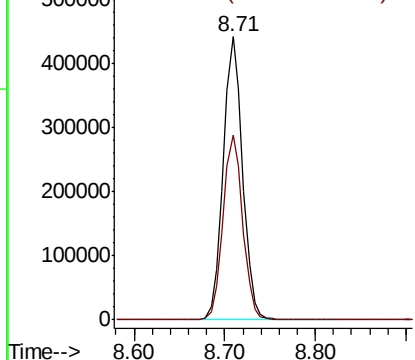


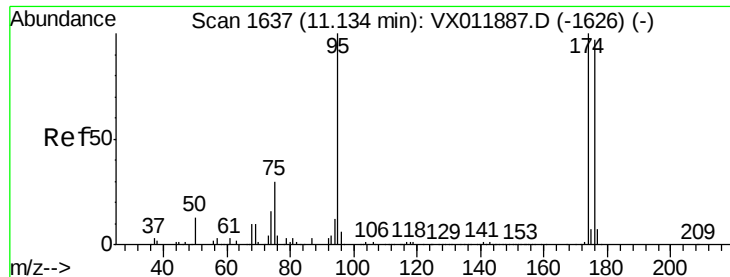
#50
Toluene-d8
Concen: 49.315 ug/l
RT: 8.71 min Scan# 1283
Delta R.T. 0.00 min
Lab File: VX011957.D
Acq: 31 Aug 2019 18:11

Tgt Ion: 98 Resp: 656805
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: 41.759 ug/l

RT: 11.13 min Scan# 1680

Delta R.T. -0.00 min

Lab File: VX011957.D

Acq: 31 Aug 2019 18:11

Instrument :

MSVOA_X

ClientSampleId :

T9-12-13-D-(1.9)

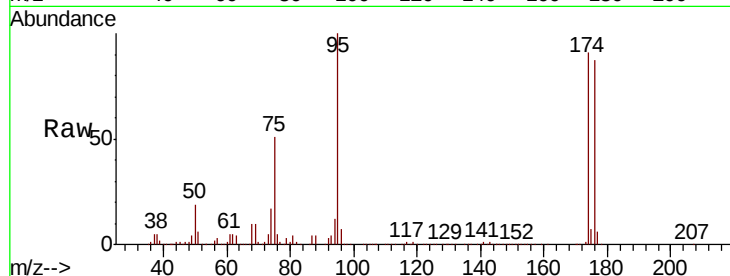
Tgt Ion: 95 Resp: 243972

Ion Ratio Lower Upper

95 100

174 98.7 0.0 196.0

176 95.9 0.0 191.4



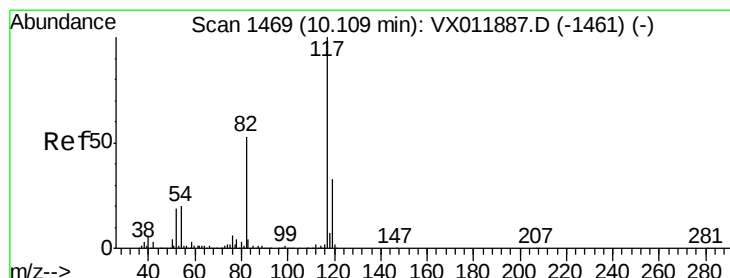
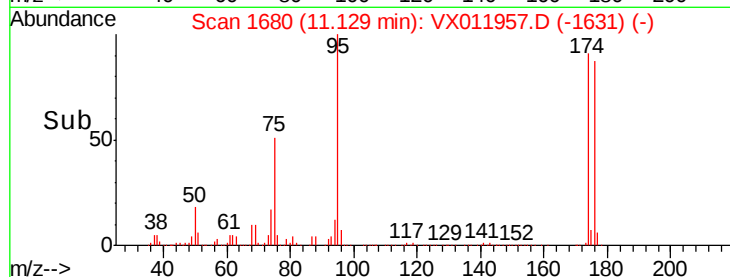
Abundance Ion 94.90 (94.60 to 95.60): VX011887.D (-1626) (-)

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

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

11.13

Time-->



#63

Chlorobenzene-d5

Concen: 50.000 ug/l

RT: 10.11 min Scan# 1513

Delta R.T. 0.00 min

Lab File: VX011957.D

Acq: 31 Aug 2019 18:11

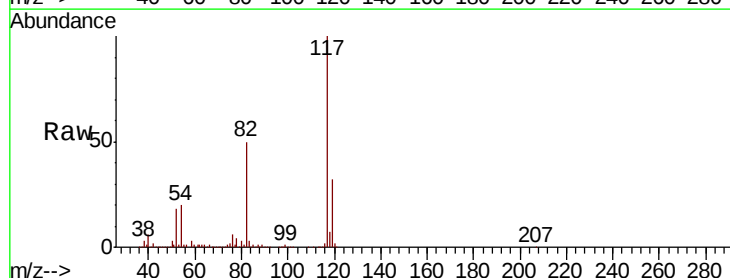
Tgt Ion: 117 Resp: 512573

Ion Ratio Lower Upper

117 100

82 50.1 42.0 63.0

119 32.4 26.2 39.4



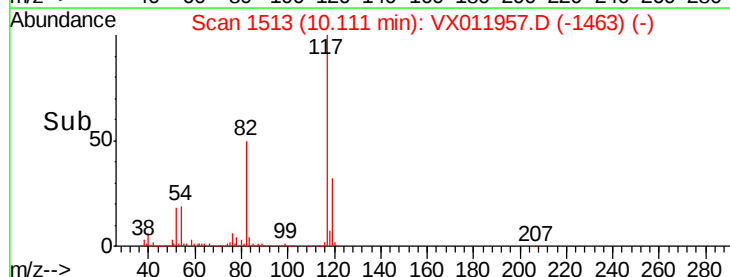
Abundance Ion 116.90 (116.60 to 117.60): VX011887.D (-1461) (-)

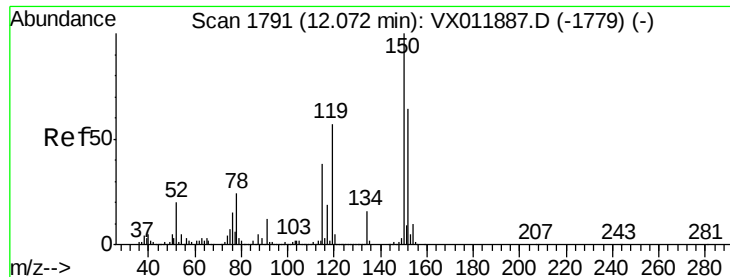
Ion 82.00 (81.70 to 82.70): VX011887.D (-1461) (-)

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

10.11

Time-->



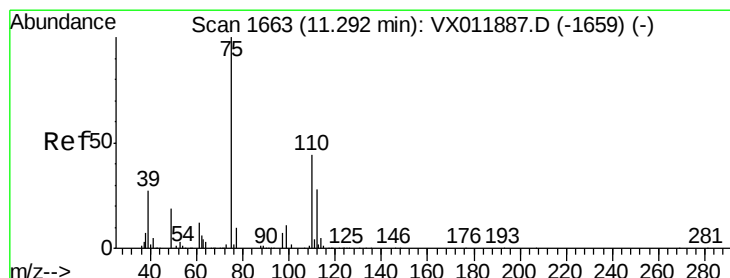
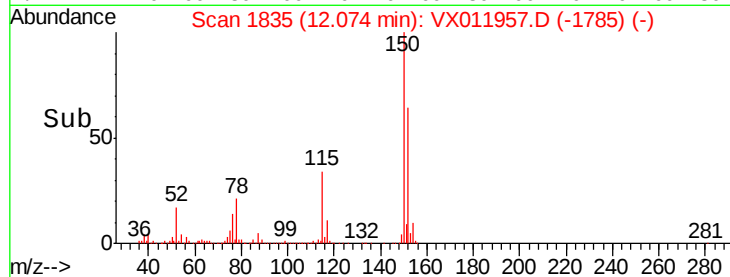
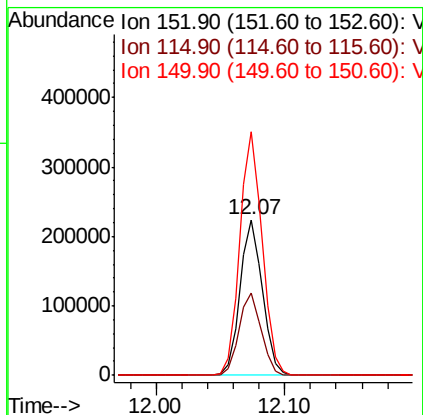
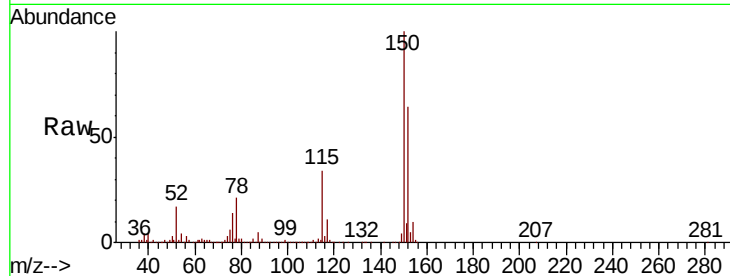


#72

1,4-Dichlorobenzene-d4
Concen: 50.000 ug/l
RT: 12.07 min Scan# 1835
Delta R.T. 0.00 min
Lab File: VX011957.D
Acq: 31 Aug 2019 18:11

Instrument :
MSVOA_X
ClientSampleId :
T9-12-13-D-(1.9)

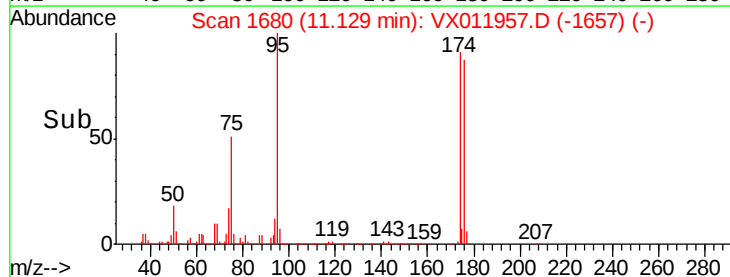
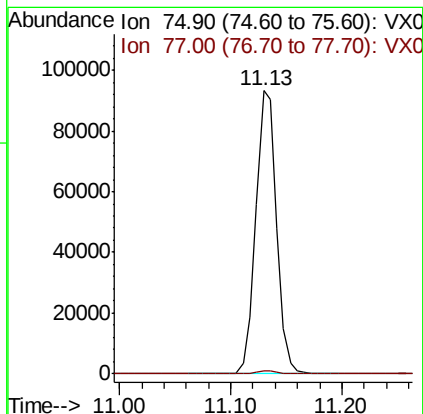
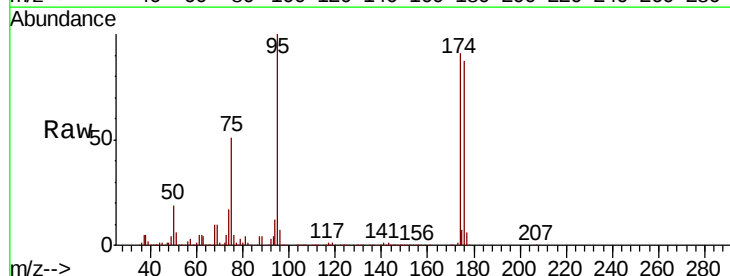
Tgt Ion: 152 Resp: 268073
Ion Ratio Lower Upper
152 100
115 52.8 37.1 111.3
150 157.3 0.0 339.6

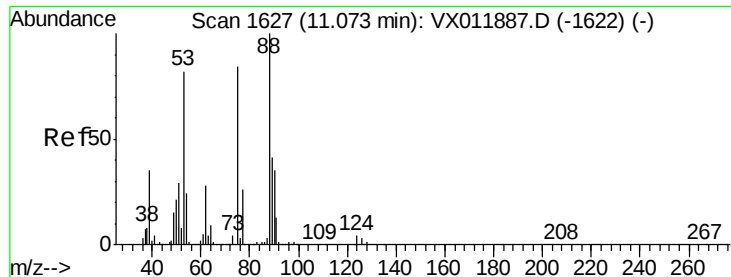


#76

1,2,3-Trichloropropane
Concen: 45.972 ug/l
RT: 11.13 min Scan# 1680
Delta R.T. -0.16 min
Lab File: VX011957.D
Acq: 31 Aug 2019 18:11

Tgt Ion: 75 Resp: 121231
Ion Ratio Lower Upper
75 100
77 1.2 20.9 62.7#





#81
 trans-1,4-Dichloro-2-butene
 Concen: 115.490 ug/l
 RT: 11.13 min Scan# 1680
 Delta R.T. 0.06 min
 Lab File: VX011957.D
 Acq: 31 Aug 2019 18:11

Instrument :
 MSVOA_X
 ClientSampleId :
 T9-12-13-D-(1.9)

Tgt Ion: 75 Resp: 121231
 Ion Ratio Lower Upper
 75 100
 53 0.2 77.1 115.7#
 89 0.0 38.2 57.2#

