

Data Path : Z:\VOASRV\HPCHEM1\MSVOA_X\DATA\VX090319\
 Data File : VX012030.D
 Acq On : 03 Sep 2019 18:58
 Operator : SY/SP
 Sample : K4525-18
 Misc : 4.67g/5.0mL/MSVOA_X/SOIL
 ALS Vial : 14 Sample Multiplier: 1

Instrument :
 MSVOA_X
 ClientSampleId :
 T9-12-13-B4-(1.9)

Quant Time: Sep 04 04:04:25 2019
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_X\METHOD\82X090319S.M
 Quant Title : SW846 8260
 QLast Update : Tue Sep 03 15:26:48 2019
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Pentafluorobenzene	5.64	168	172969	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	6.85	114	307314	50.00	ug/l	0.00
63) Chlorobenzene-d5	10.11	117	266454	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	12.07	152	110237	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	117567	49.26	ug/l	0.00
Spiked Amount			Recovery	=	98.52%	
35) Dibromofluoromethane	5.48	113	92408	48.90	ug/l	0.00
Spiked Amount			Recovery	=	97.80%	
50) Toluene-d8	8.71	98	365419	52.69	ug/l	0.00
Spiked Amount			Recovery	=	105.38%	
62) 4-Bromofluorobenzene	11.13	95	143392	44.46	ug/l	0.00
Spiked Amount			Recovery	=	88.92%	

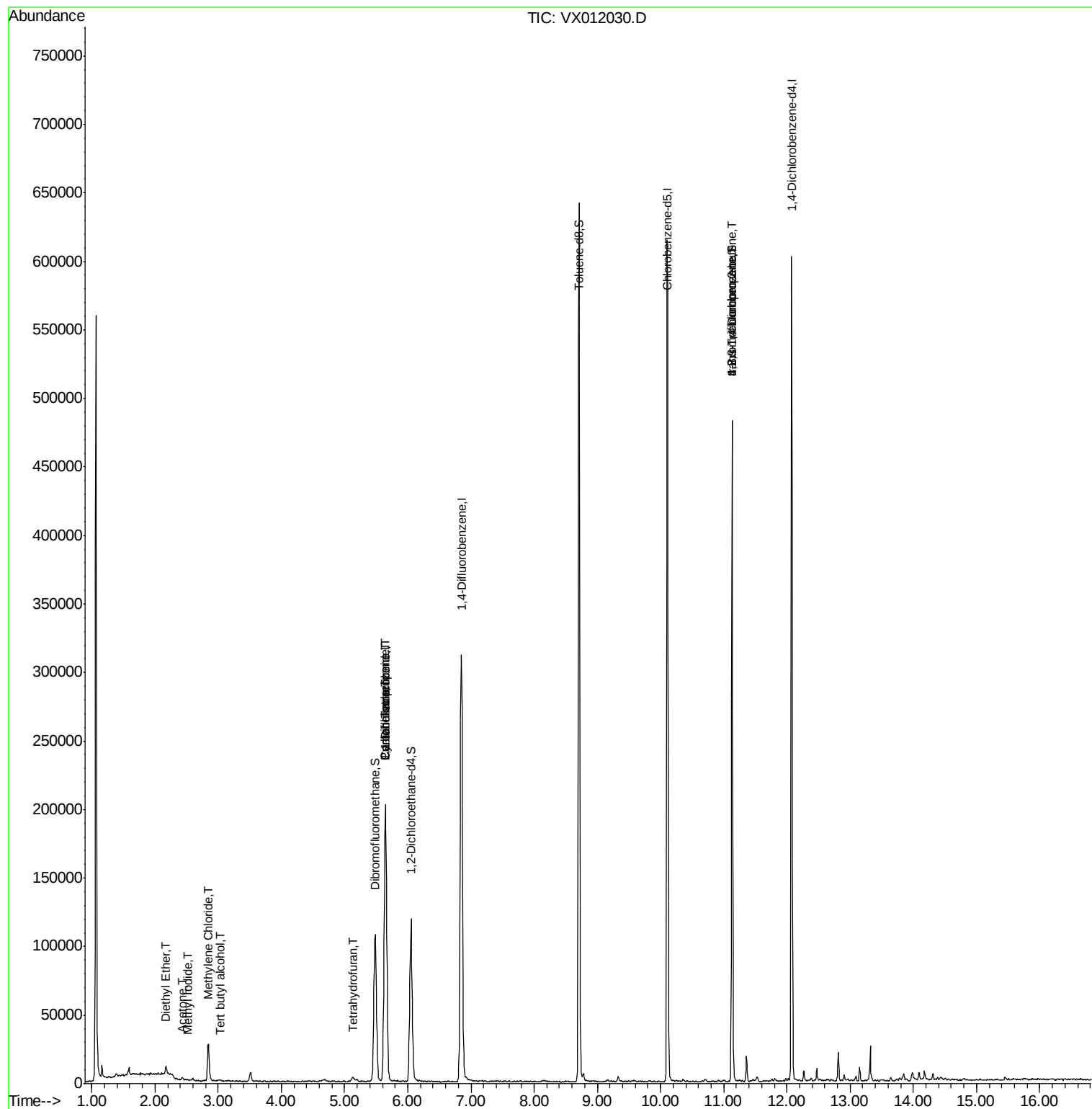
Target Compounds	R.T.	QIon	Response	Conc	Units	Qvalue
8) Diethyl Ether	2.17	74	1950	2.364	ug/l	92
10) Methyl Iodide	2.51	142	248	7.107	ug/l #	79
11) Tert butyl alcohol	3.02	59	1390	6.064	ug/l #	77
13) Acrolein	2.27	56	268	Below Cal	#	64
16) Acetone	2.43	43	1688	2.959	ug/l	96
20) Methylene Chloride	2.84	84	13631	5.950	ug/l	97
29) Tetrahydrofuran	5.12	42	2970	6.789	ug/l	93
31) Cyclohexane	5.64	56	4960	1.695	ug/l #	21
36) 1,1-Dichloropropene	5.64	75	15602	5.764	ug/l #	49
38) Carbon Tetrachloride	5.65	117	20217	7.088	ug/l #	16
76) 1,2,3-Trichloropropane	11.13	75	72730	53.997	ug/l #	31
81) trans-1,4-Dichloro-2-buten	11.13	75	72730	127.657	ug/l #	10

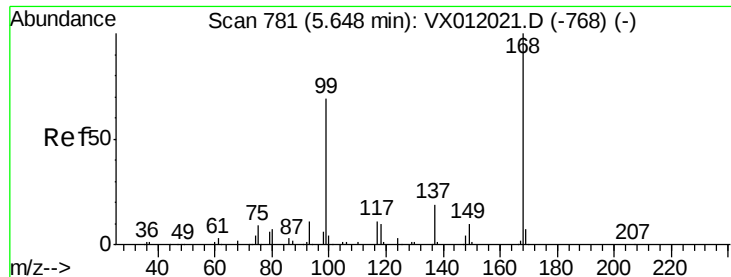
(#) = qualifier out of range (m) = manual integration (+) = signals summed

Data Path : Z:\V0ASRV\HPCHEM1\MSVOA_X\DATA\VX090319\
Data File : VX012030.D
Acq On : 03 Sep 2019 18:58
Operator : SY/SP
Sample : K4525-18
Misc : 4.67g/5.0mL/MSVOA_X/SOIL
ALS Vial : 14 Sample Multiplier: 1

Instrument :
MSVOA_X
ClientSampleId :
T9-12-13-B4-(1.9)

Quant Time: Sep 04 04:04:25 2019
Quant Method : Z:\V0ASRV\HPCHEM1\MSVOA_X\METHOD\82X090319S.M
Quant Title : SW846 8260
QLast Update : Tue Sep 03 15:26:48 2019
Response via : Initial Calibration





#1

Pentafluorobenzene

Concen: 50.000 ug/l

RT: 5.64 min Scan# 780

Delta R.T. -0.01 min

Lab File: VX012030.D

Acq: 03 Sep 2019 18:58

Instrument :

MSVOA_X

ClientSampleId :

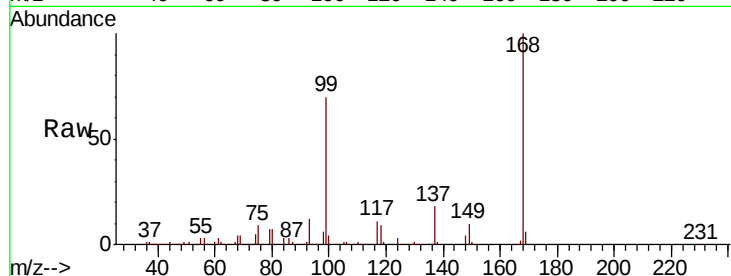
T9-12-13-B4-(1.9)

Tgt Ion:168 Resp: 172969

Ion Ratio Lower Upper

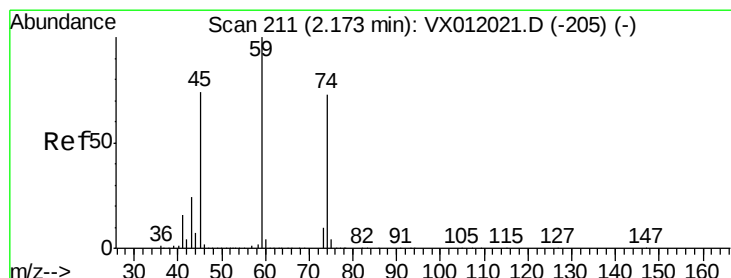
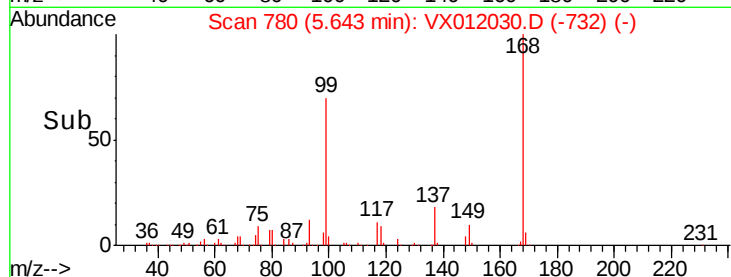
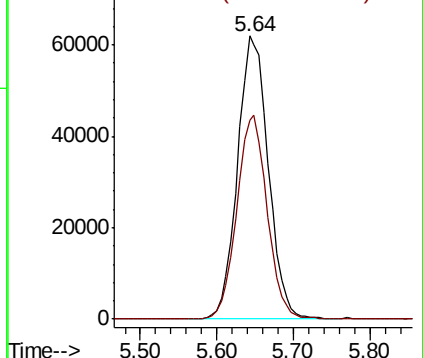
168 100

99 70.2 37.6 56.4#



Abundance Ion 167.90 (167.60 to 168.60): V

Ion 98.90 (98.60 to 99.60): VX0



#8

Diethyl Ether

Concen: 2.364 ug/l

RT: 2.17 min Scan# 211

Delta R.T. 0.00 min

Lab File: VX012030.D

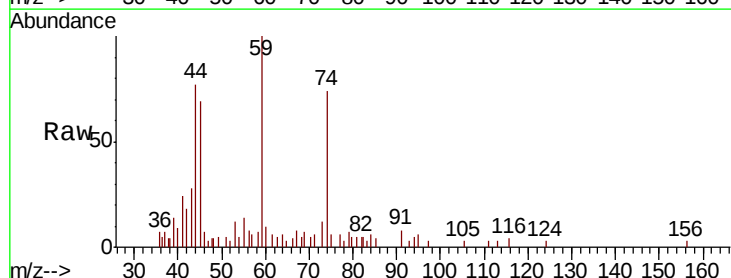
Acq: 03 Sep 2019 18:58

Tgt Ion: 74 Resp: 1950

Ion Ratio Lower Upper

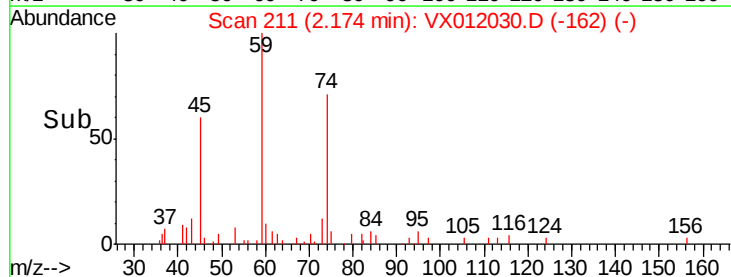
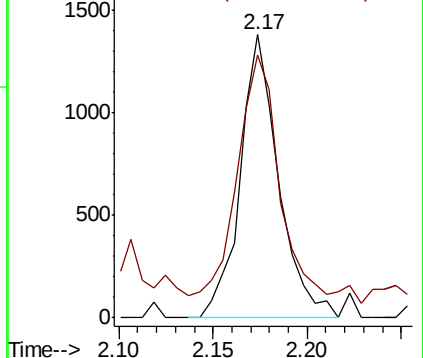
74 100

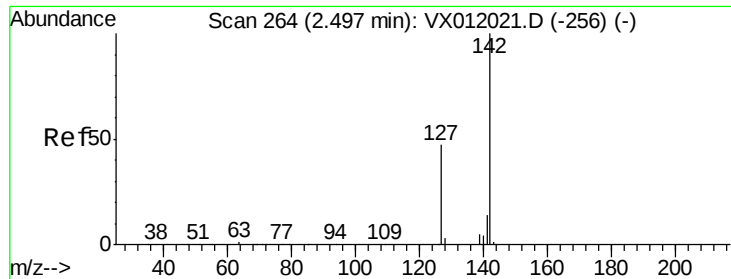
45 99.1 45.9 137.6



Abundance Ion 74.00 (73.70 to 74.70): VX0

Ion 45.00 (44.70 to 45.70): VX0

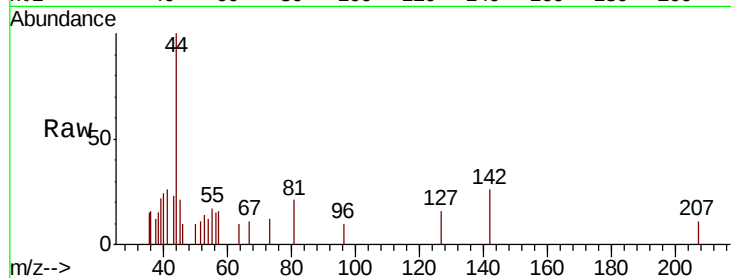




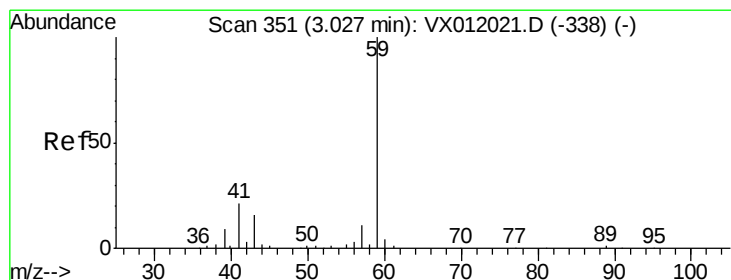
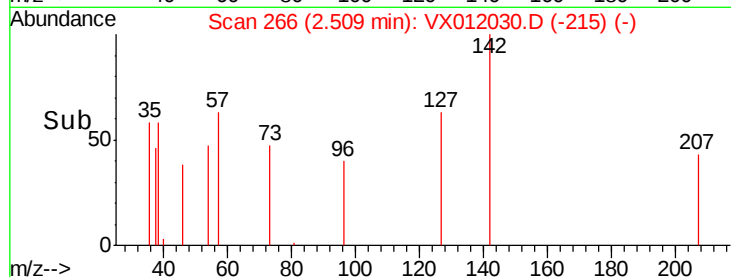
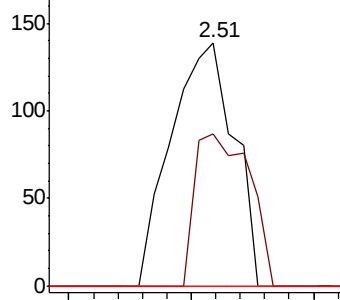
#10
Methyl Iodide
Concen: 7.107 ug/l
RT: 2.51 min Scan# 266
Delta R.T. 0.01 min
Lab File: VX012030.D
Acq: 03 Sep 2019 18:58

Instrument :
MSVOA_X
ClientSampleId :
T9-12-13-B4-(1.9)

Tgt Ion: 142 Resp: 248
Ion Ratio Lower Upper
142 100
127 54.8 35.4 53.2#
141 0.0 11.4 17.2#

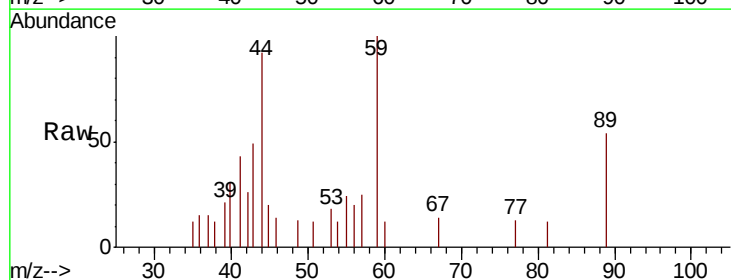


Abundance Ion 141.80 (141.50 to 142.50): V
Ion 126.80 (126.50 to 127.50): V
Ion 140.80 (140.50 to 141.50): V

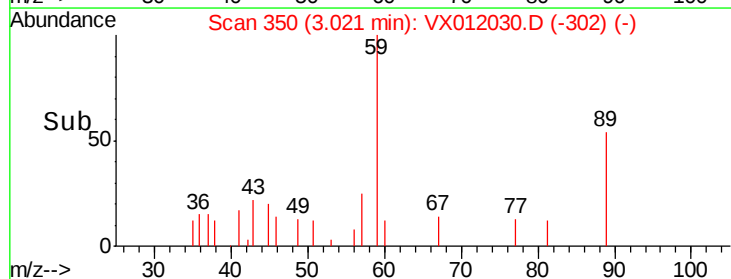
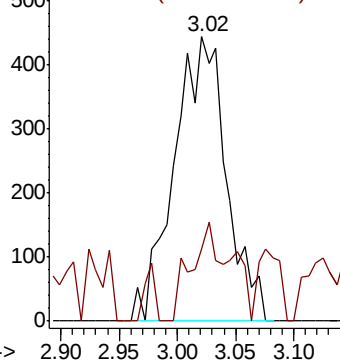


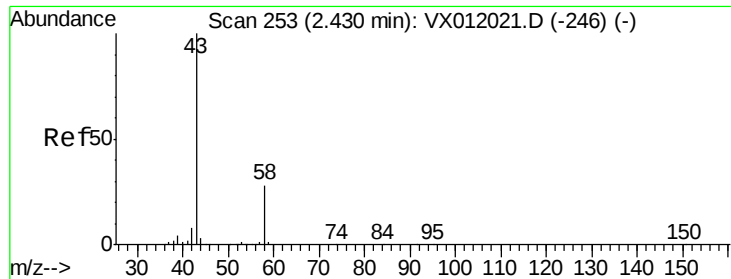
#11
Tert butyl alcohol
Concen: 6.064 ug/l
RT: 3.02 min Scan# 350
Delta R.T. -0.01 min
Lab File: VX012030.D
Acq: 03 Sep 2019 18:58

Tgt Ion: 59 Resp: 1390
Ion Ratio Lower Upper
59 100
57 18.3 7.9 11.9#



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





#16

Acetone

Concen: 2.959 ug/l

RT: 2.43 min Scan# 253

Delta R.T. 0.00 min

Lab File: VX012030.D

Acq: 03 Sep 2019 18:58

Instrument :

MSVOA_X

ClientSampleId :

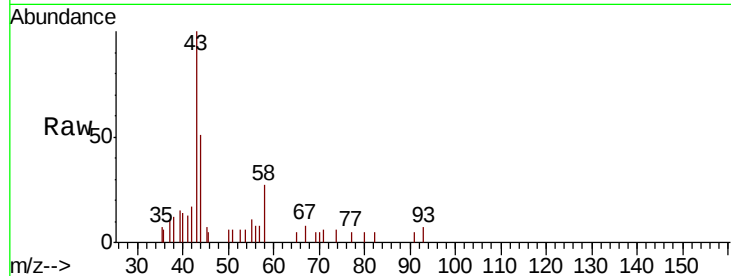
T9-12-13-B4-(1.9)

Tgt Ion: 43 Resp: 1688

Ion Ratio Lower Upper

43 100

58 30.4 22.8 34.2



Abundance Ion 43.00 (42.70 to 43.70): VX0

Ion 58.00 (57.70 to 58.70): VX0

Time-->

2.35 2.40 2.45

2.43

1200

1000

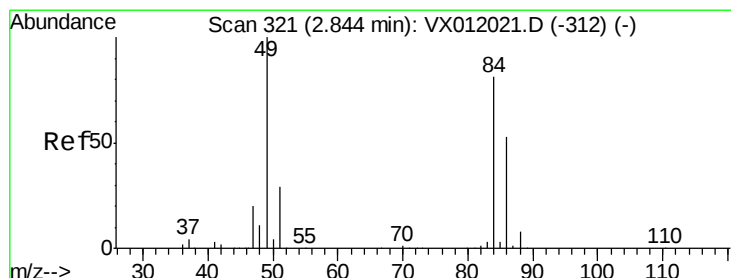
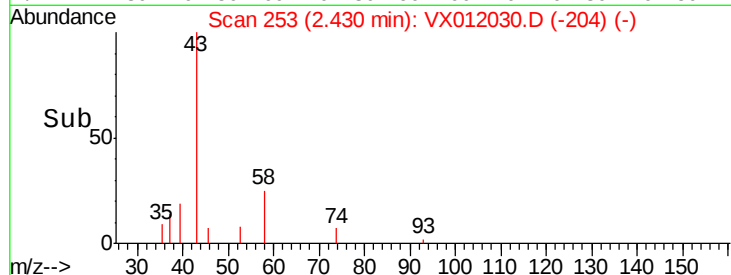
800

600

400

200

0



#20

Methylene Chloride

Concen: 5.950 ug/l

RT: 2.84 min Scan# 321

Delta R.T. 0.00 min

Lab File: VX012030.D

Acq: 03 Sep 2019 18:58

Tgt Ion: 84 Resp: 13631

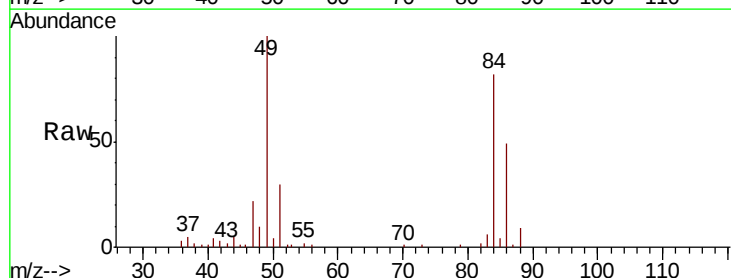
Ion Ratio Lower Upper

84 100

49 122.3 95.8 143.8

51 36.9 28.6 43.0

86 60.2 50.9 76.3



Abundance Ion 83.90 (83.60 to 84.60): VX0

Ion 48.90 (48.60 to 49.60): VX0

Ion 50.90 (50.60 to 51.60): VX0

Ion 85.90 (85.60 to 86.60): VX0

Time-->

2.80 2.90

2.84

12000

10000

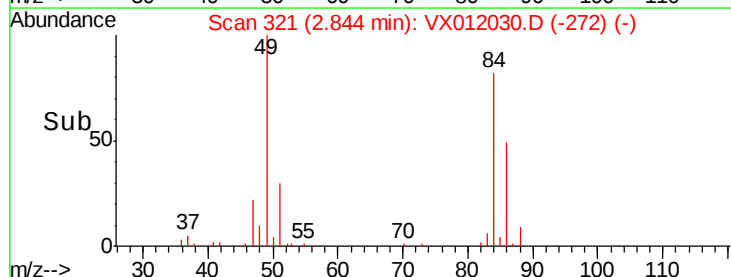
8000

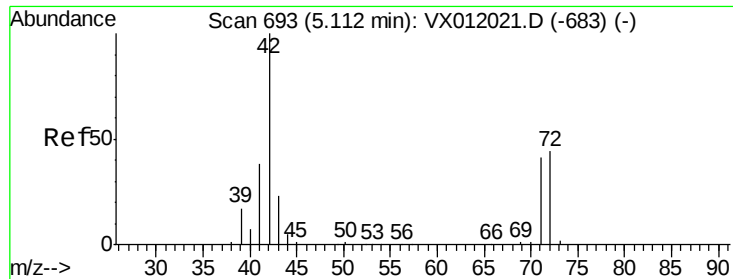
6000

4000

2000

0

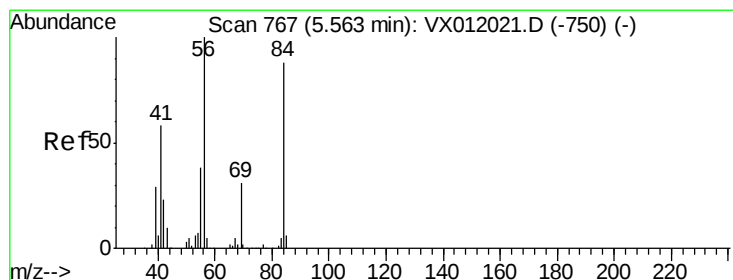
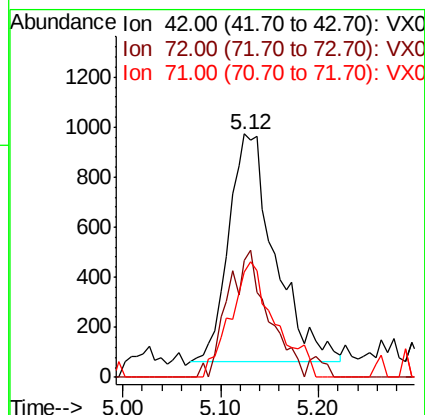
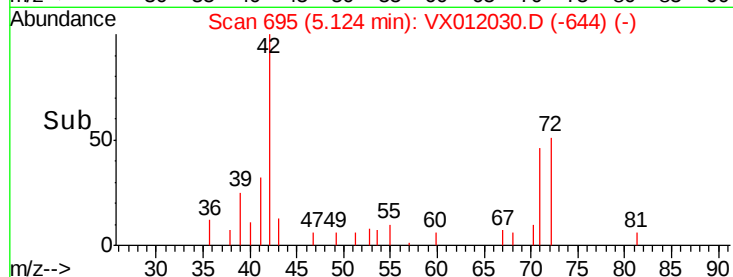
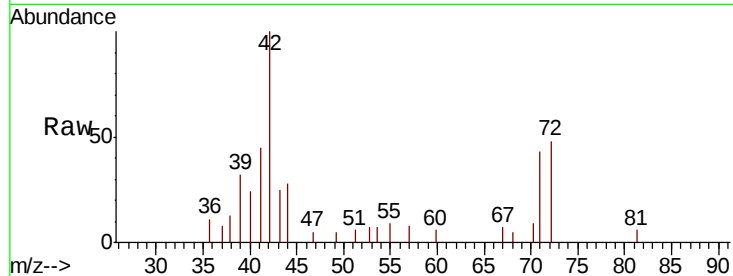




#29
Tetrahydrofuran
Concen: 6.789 ug/l
RT: 5.12 min Scan# 695
Delta R.T. 0.01 min
Lab File: VX012030.D
Acq: 03 Sep 2019 18:58

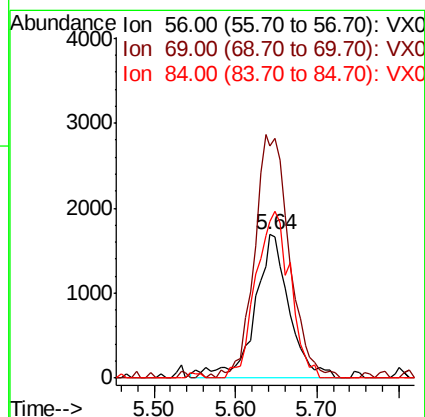
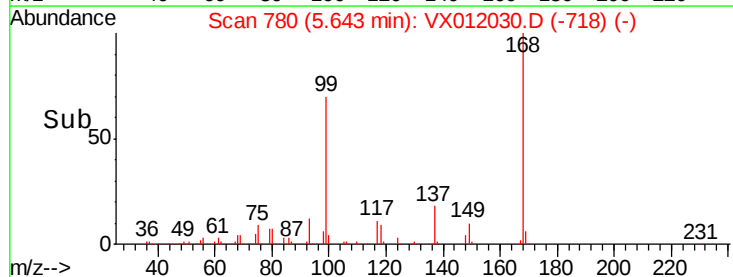
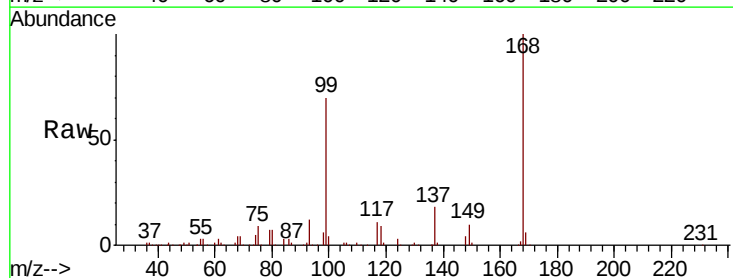
Instrument :
MSVOA_X
ClientSampleId :
T9-12-13-B4-(1.9)

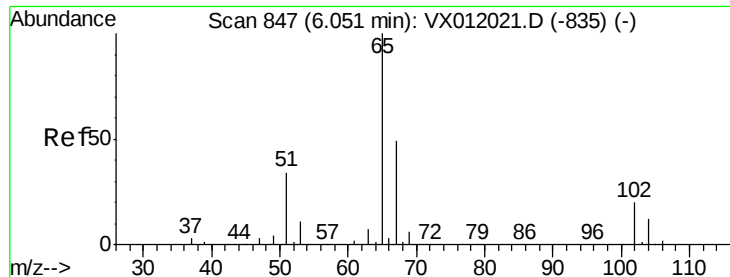
Tgt Ion: 42 Resp: 2970
Ion Ratio Lower Upper
42 100
72 49.1 37.0 55.4
71 49.1 33.8 50.8



#31
Cyclohexane
Concen: 1.695 ug/l
RT: 5.64 min Scan# 780
Delta R.T. 0.08 min
Lab File: VX012030.D
Acq: 03 Sep 2019 18:58

Tgt Ion: 56 Resp: 4960
Ion Ratio Lower Upper
56 100
69 161.8 25.7 38.5#
84 109.2 70.3 105.5#





#33

1,2-Dichloroethane-d4

Concen: 49.261 ug/l

RT: 6.05 min Scan# 847

Delta R.T. 0.00 min

Lab File: VX012030.D

Acq: 03 Sep 2019 18:58

Instrument :

MSVOA_X

ClientSampleId :

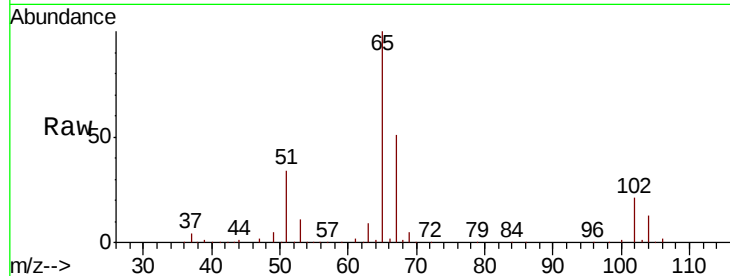
T9-12-13-B4-(1.9)

Tgt Ion: 65 Resp: 117567

Ion Ratio Lower Upper

65 100

67 49.8 0.0 102.0



Abundance Ion 64.90 (64.60 to 65.60): VX0

Ion 66.90 (66.60 to 67.60): VX0

6.05

50000

40000

30000

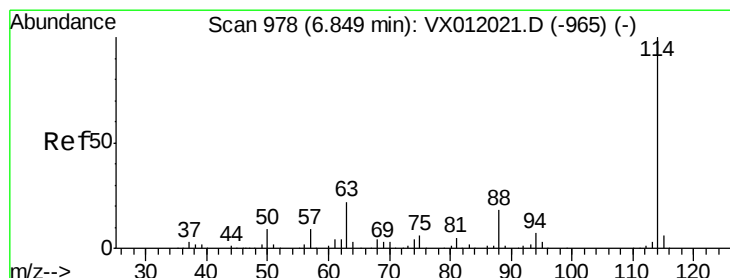
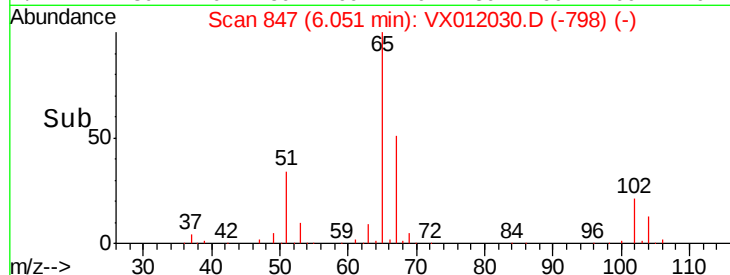
20000

10000

0

Time-->

5.90 6.00 6.10 6.20



#34

1,4-Difluorobenzene

Concen: 50.000 ug/l

RT: 6.85 min Scan# 978

Delta R.T. 0.00 min

Lab File: VX012030.D

Acq: 03 Sep 2019 18:58

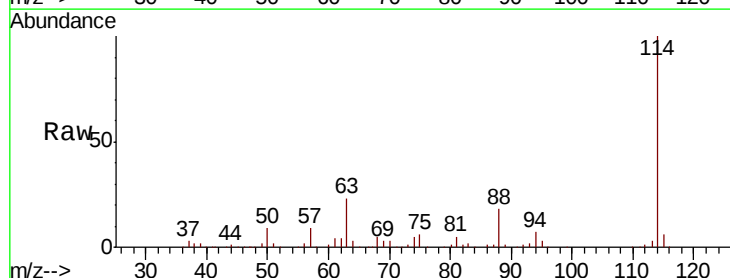
Tgt Ion: 114 Resp: 307314

Ion Ratio Lower Upper

114 100

63 22.9 0.0 37.4

88 17.7 0.0 29.6



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

6.85

150000

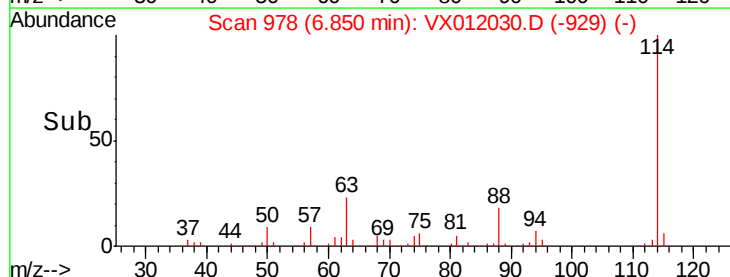
100000

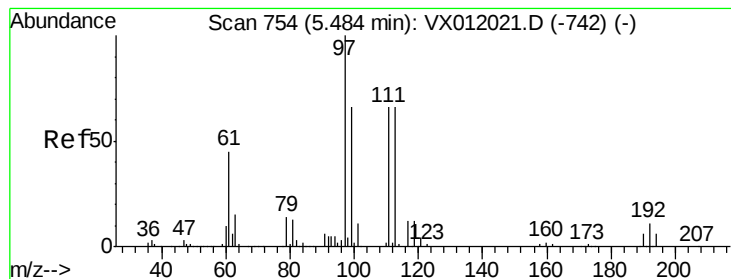
50000

0

Time-->

6.70 6.80 6.90 7.00





#35

Dibromofluoromethane

Concen: 48.896 ug/l

RT: 5.48 min Scan# 754

Delta R.T. 0.00 min

Lab File: VX012030.D

Acq: 03 Sep 2019 18:58

Instrument :

MSVOA_X

ClientSampleId :

T9-12-13-B4-(1.9)

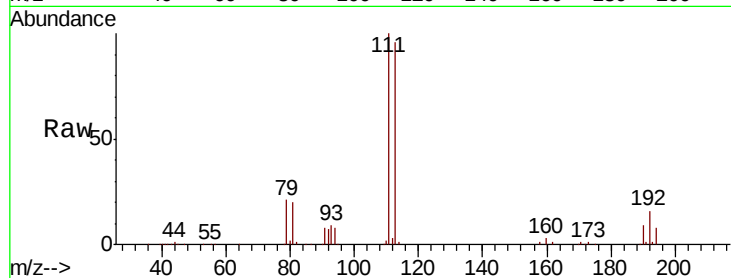
Tgt Ion:113 Resp: 92408

Ion Ratio Lower Upper

113 100

111 103.1 81.7 122.5

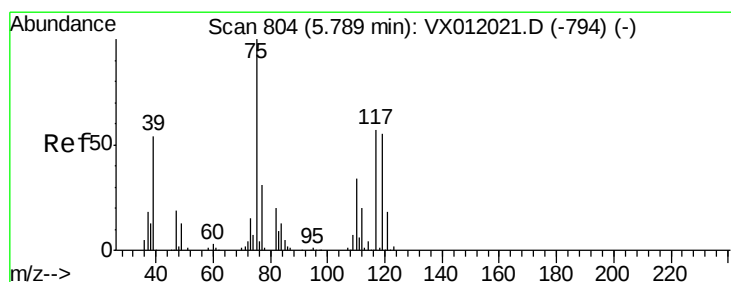
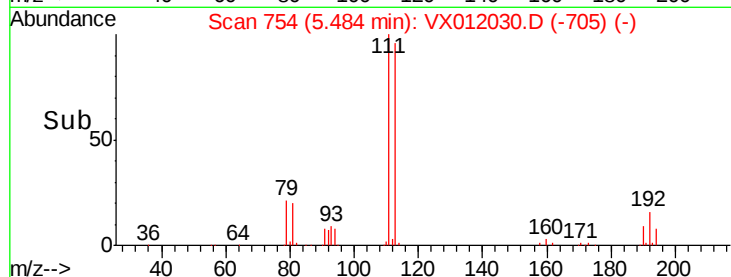
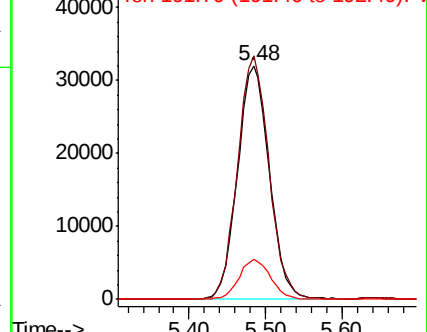
192 16.7 22.5 33.7#



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: 5.764 ug/l

RT: 5.64 min Scan# 780

Delta R.T. -0.15 min

Lab File: VX012030.D

Acq: 03 Sep 2019 18:58

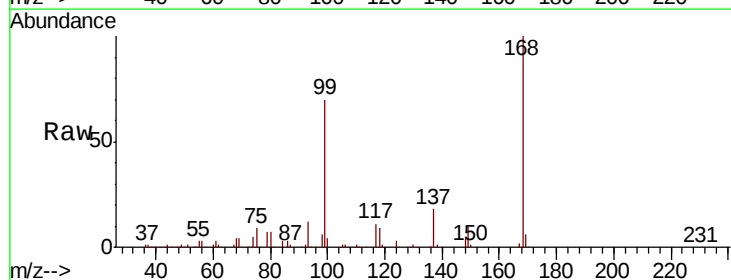
Tgt Ion: 75 Resp: 15602

Ion Ratio Lower Upper

75 100

110 10.5 19.5 58.5#

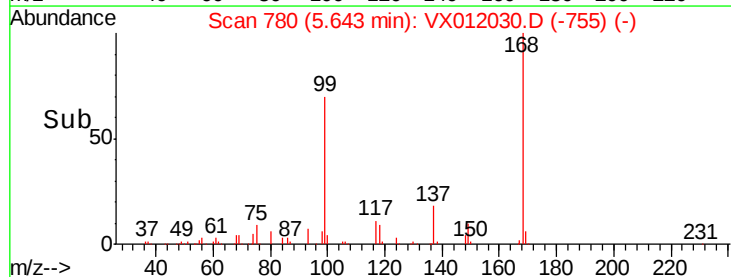
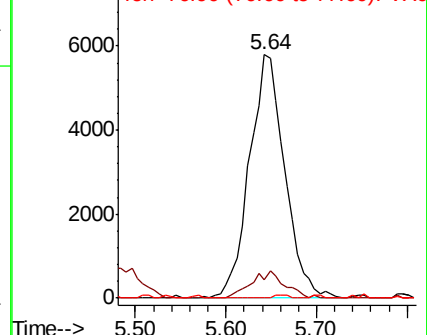
77 0.0 24.6 37.0#

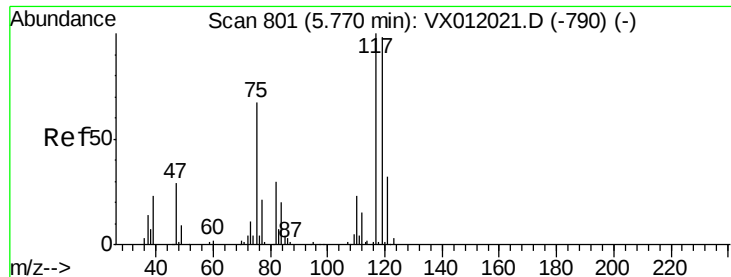


Abundance Ion 74.90 (74.60 to 75.60): VX0

Ion 109.90 (109.60 to 110.60): V

Ion 76.90 (76.60 to 77.60): VX0

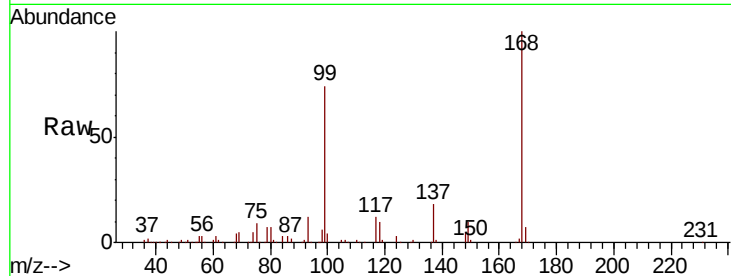




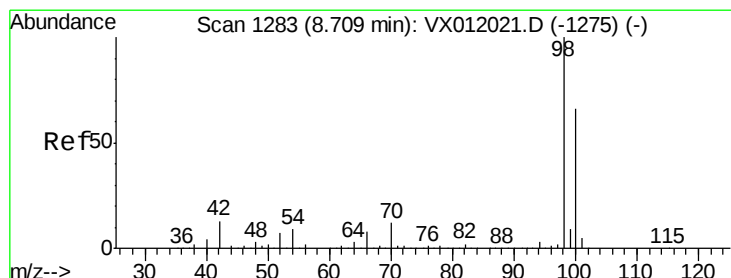
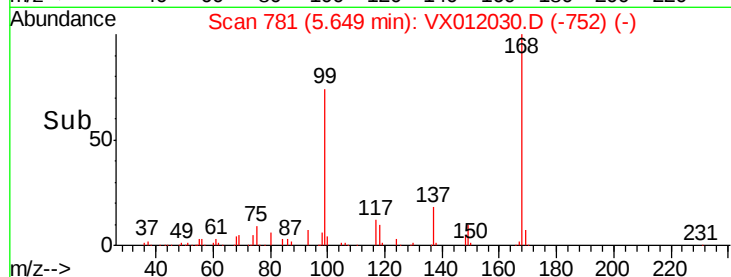
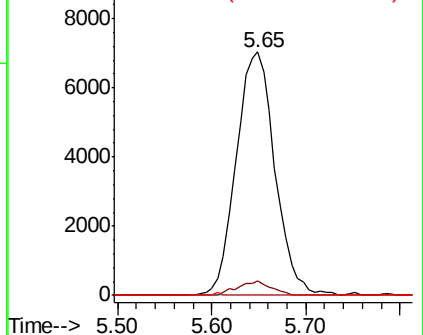
#38
Carbon Tetrachloride
Concen: 7.088 ug/l
RT: 5.65 min Scan# 781
Delta R.T. -0.12 min
Lab File: VX012030.D
Acq: 03 Sep 2019 18:58

Instrument :
MSVOA_X
ClientSampleId :
T9-12-13-B4-(1.9)

Tgt Ion:117 Resp: 20217
Ion Ratio Lower Upper
117 100
119 6.0 78.3 117.5#
121 0.0 24.2 36.2#

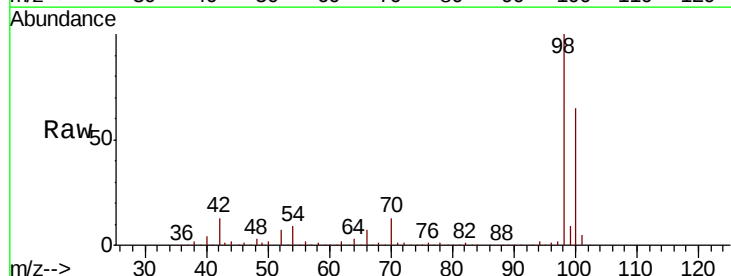


Abundance Ion 116.80 (116.50 to 117.50): V
Ion 118.80 (118.50 to 119.50): V
Ion 120.80 (120.50 to 121.50): V

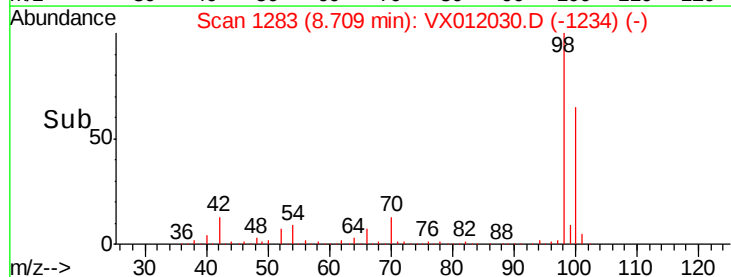
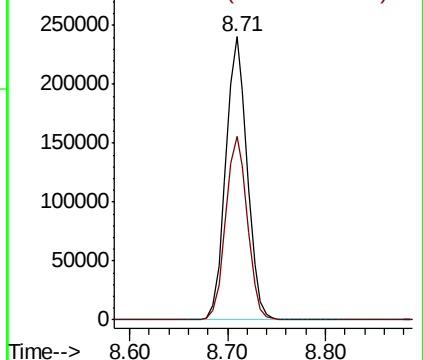


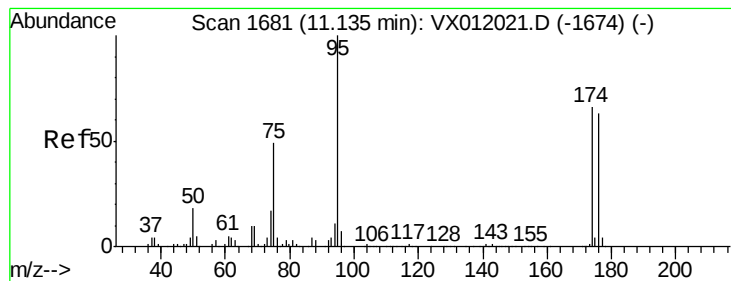
#50
Toluene-d8
Concen: 52.692 ug/l
RT: 8.71 min Scan# 1283
Delta R.T. 0.00 min
Lab File: VX012030.D
Acq: 03 Sep 2019 18:58

Tgt Ion: 98 Resp: 365419
Ion Ratio Lower Upper
98 100
100 65.7 53.3 79.9



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





#62

4-Bromofluorobenzene

Concen: 44.460 ug/l

RT: 11.13 min Scan# 1680

Delta R.T. -0.01 min

Lab File: VX012030.D

Acq: 03 Sep 2019 18:58

Instrument :

MSVOA_X

ClientSampleId :

T9-12-13-B4-(1.9)

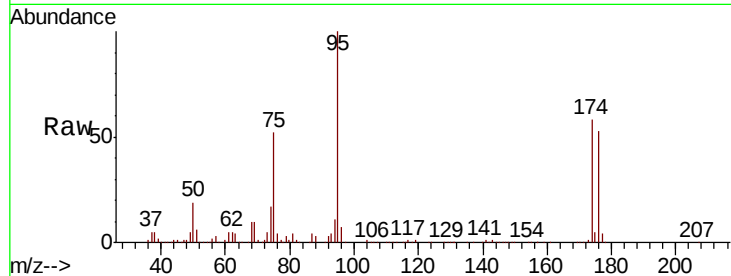
Tgt Ion: 95 Resp: 143392

Ion Ratio Lower Upper

95 100

174 62.1 0.0 205.4

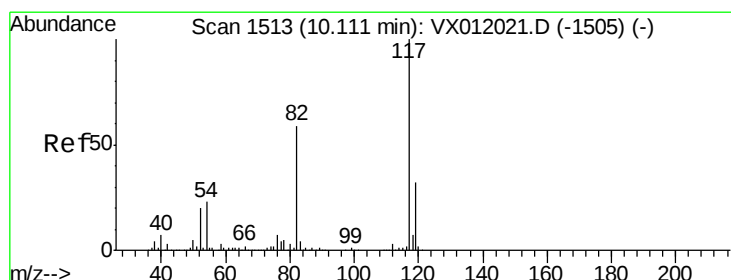
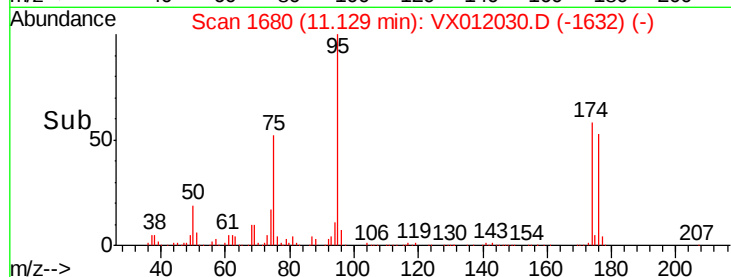
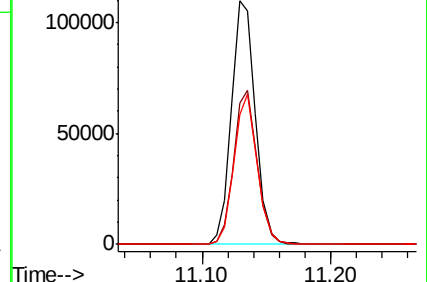
176 59.6 0.0 201.8



Abundance Ion 94.90 (94.60 to 95.60): VX012021.D (-1674) (-)

Ion 173.80 (173.50 to 174.50): VX012021.D (-1674) (-)

Ion 175.80 (175.50 to 176.50): VX012021.D (-1674) (-)



#63

Chlorobenzene-d5

Concen: 50.000 ug/l

RT: 10.11 min Scan# 1512

Delta R.T. -0.01 min

Lab File: VX012030.D

Acq: 03 Sep 2019 18:58

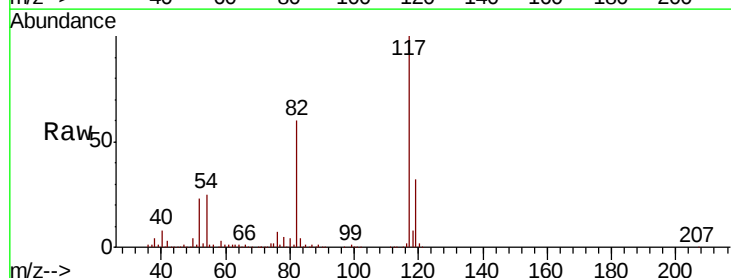
Tgt Ion: 117 Resp: 266454

Ion Ratio Lower Upper

117 100

82 59.7 39.4 59.0#

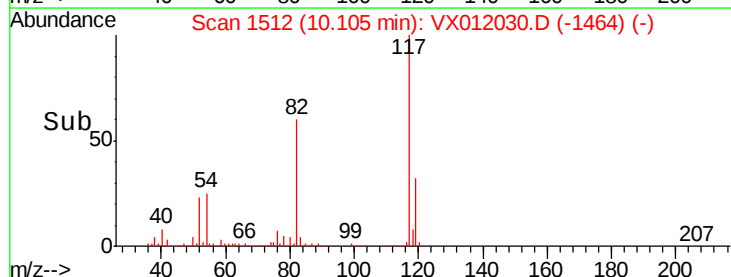
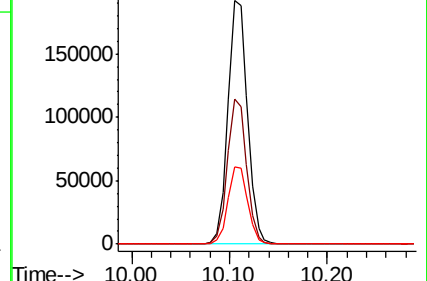
119 31.7 26.1 39.1

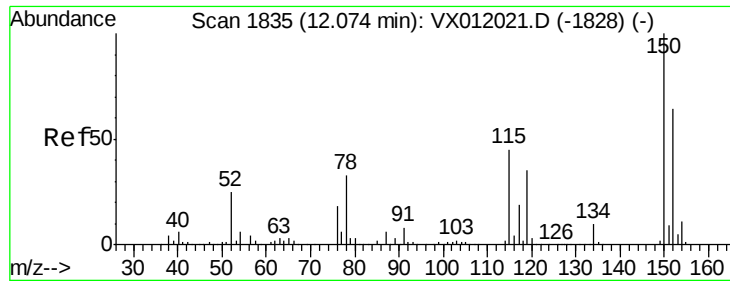


Abundance Ion 116.90 (116.60 to 117.60): VX012021.D (-1505) (-)

Ion 82.00 (81.70 to 82.70): VX012021.D (-1505) (-)

Ion 118.90 (118.60 to 119.60): VX012021.D (-1505) (-)





#72

1,4-Dichlorobenzene-d4

Concen: 50.000 ug/l

RT: 12.07 min Scan# 1835

Delta R.T. 0.00 min

Lab File: VX012030.D

Acq: 03 Sep 2019 18:58

Instrument :

MSVOA_X

ClientSampleId :

T9-12-13-B4-(1.9)

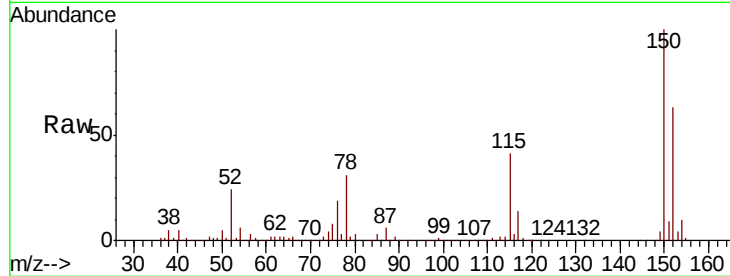
Tgt Ion:152 Resp: 110237

Ion Ratio Lower Upper

152 100

115 66.3 36.4 109.3

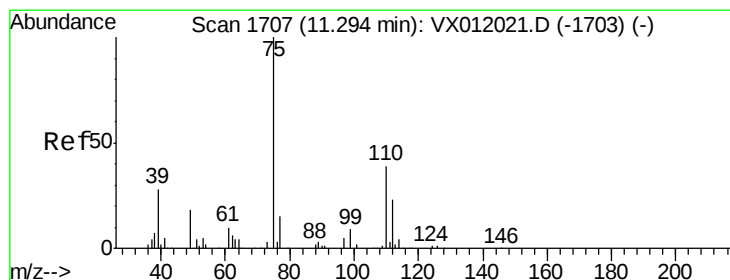
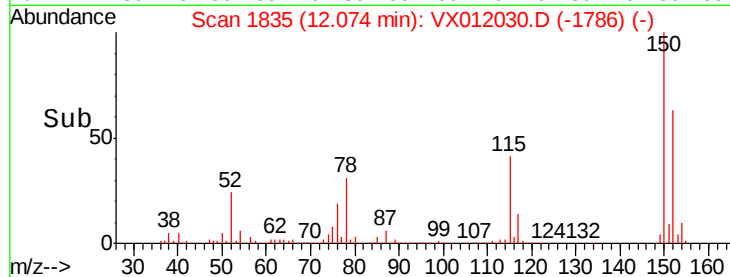
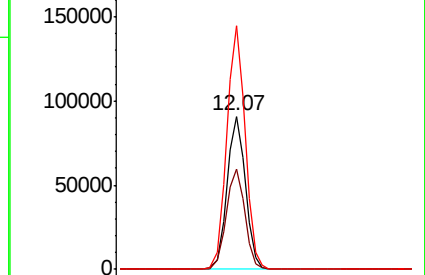
150 159.1 0.0 341.2



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: 53.997 ug/l

RT: 11.13 min Scan# 1680

Delta R.T. -0.16 min

Lab File: VX012030.D

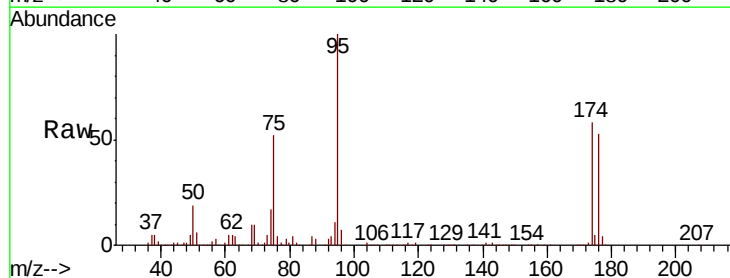
Acq: 03 Sep 2019 18:58

Tgt Ion: 75 Resp: 72730

Ion Ratio Lower Upper

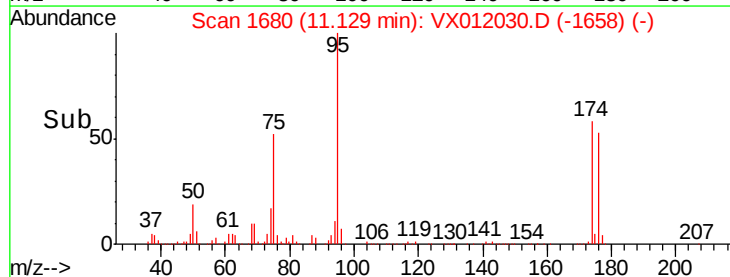
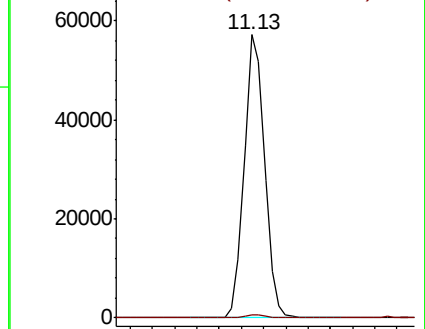
75 100

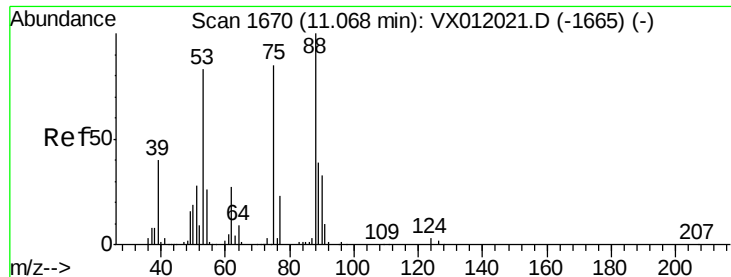
77 1.2 23.5 70.5#



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: 127.657 ug/l
 RT: 11.13 min Scan# 1680
 Delta R.T. 0.06 min
 Lab File: VX012030.D
 Acq: 03 Sep 2019 18:58

Instrument :
 MSVOA_X
 ClientSampleId :
 T9-12-13-B4-(1.9)

Tgt Ion: 75 Resp: 72730
 Ion Ratio Lower Upper
 75 100
 53 0.0 78.6 117.8#
 89 0.0 38.8 58.2#

