

Data Path : Z:\VOASRV\HPCHEM1\MSVOA_X\DATA\VX090419\
 Data File : VX012050.D
 Acq On : 04 Sep 2019 14:24
 Operator : SY/SP
 Sample : K4546-14
 Misc : 5.75g/5.0mL/MSVOA_X/SOIL
 ALS Vial : 11 Sample Multiplier: 1

Instrument :
 MSVOA_X
 ClientSampleId :
 T3-S-B1-(2.5)

Quant Time: Sep 04 14:45:47 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	5.65	168	54788	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	6.85	114	90129	50.00	ug/l	0.00
63) Chlorobenzene-d5	10.11	117	73389	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	12.07	152	29610	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	32659	43.20	ug/l	0.00
Spiked Amount			Recovery	=	86.40%	
35) Dibromofluoromethane	5.49	113	26060	47.02	ug/l	0.00
Spiked Amount			Recovery	=	94.04%	
50) Toluene-d8	8.71	98	105349	51.80	ug/l	0.00
Spiked Amount			Recovery	=	103.60%	
62) 4-Bromofluorobenzene	11.14	95	39034	41.27	ug/l	0.00
Spiked Amount			Recovery	=	82.54%	

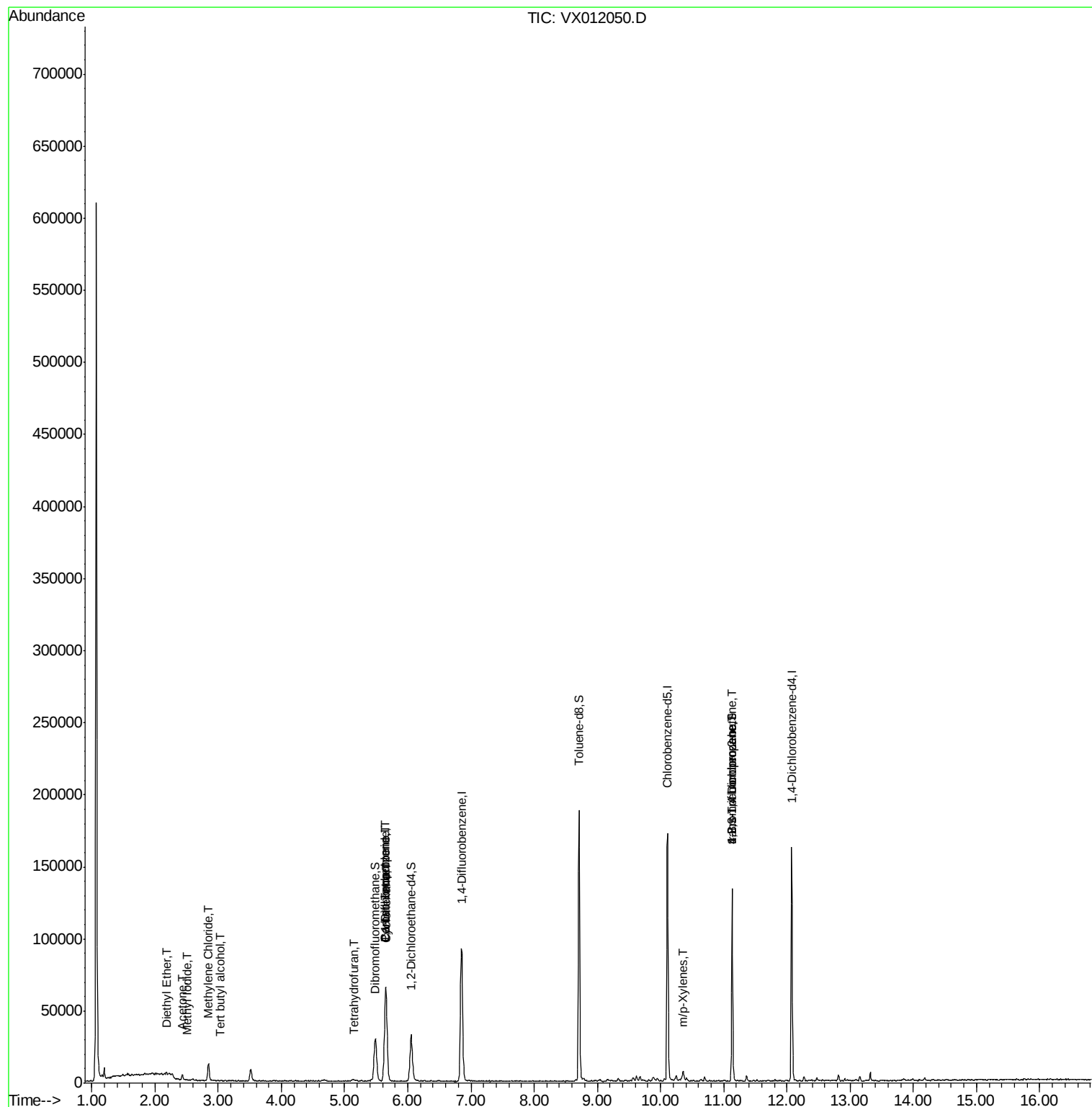
Target Compounds	R.T.	QIon	Response	Conc	Units	Qvalue
8) Diethyl Ether	2.18	74	449	1.718	ug/l #	4
10) Methyl Iodide	2.51	142	101	7.141	ug/l #	40
11) Tert butyl alcohol	3.03	59	414	5.702	ug/l #	40
13) Acrolein	2.28	56	49	Below Cal	#	1
16) Acetone	2.43	43	3868	21.407	ug/l	95
20) Methylene Chloride	2.84	84	5359	7.386	ug/l	87
29) Tetrahydrofuran	5.14	42	1503	10.846	ug/l #	80
31) Cyclohexane	5.66	56	1800	1.942	ug/l #	44
36) 1,1-Dichloropropene	5.65	75	5262	6.629	ug/l #	47
38) Carbon Tetrachloride	5.65	117	6596	7.886	ug/l #	15
68) m/p-Xylenes	10.36	106	1380	1.419	ug/l	84
76) 1,2,3-Trichloropropane	11.14	75	19956	55.159	ug/l #	32
81) trans-1,4-Dichloro-2-buten	11.14	75	19956	130.405	ug/l #	10

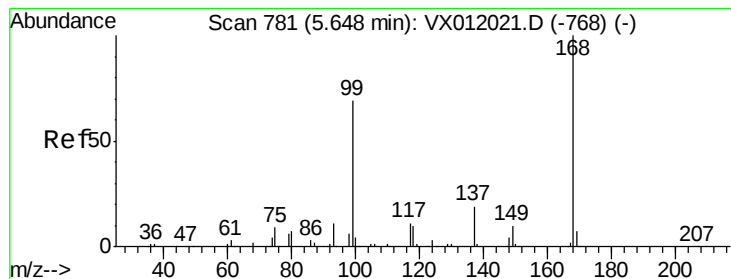
(#) = qualifier out of range (m) = manual integration (+) = signals summed

Data Path : Z:\V0ASRV\HPCHEM1\MSVOA_X\DATA\VX090419\
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T3-S-B1-(2.5)

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Quant Title : SW846 8260
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#1

Pentafluorobenzene

Concen: 50.000 ug/l

RT: 5.65 min Scan# 782

Delta R.T. 0.01 min

Lab File: VX012050.D

Acq: 04 Sep 2019 14:24

Instrument :

MSVOA_X

ClientSampleId :

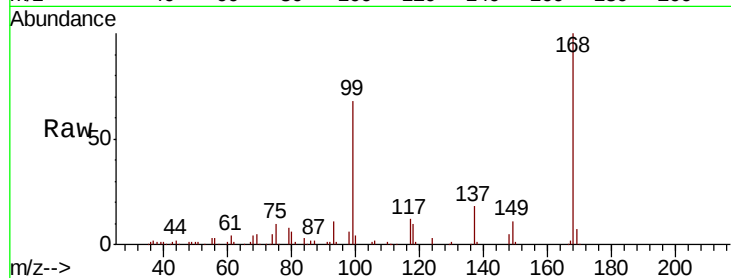
T3-S-B1-(2.5)

Tgt Ion:168 Resp: 54788

Ion Ratio Lower Upper

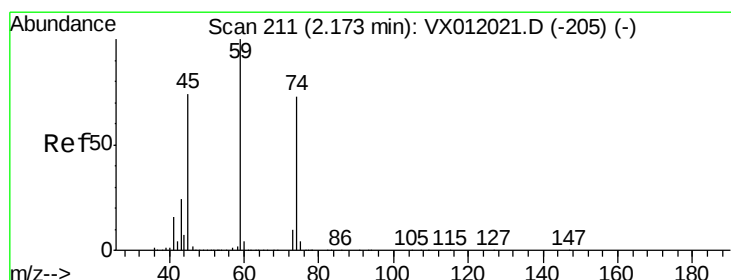
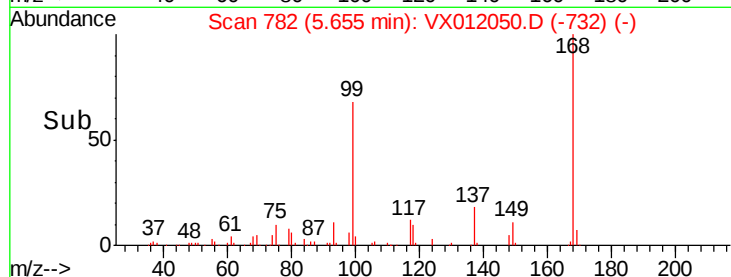
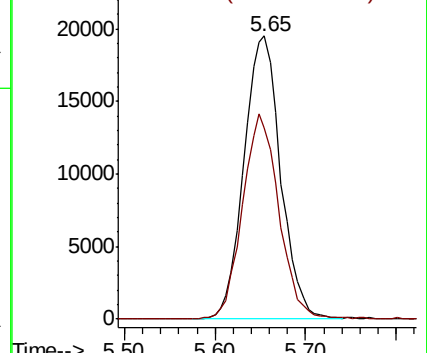
168 100

99 67.5 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: 1.718 ug/l

RT: 2.18 min Scan# 212

Delta R.T. 0.01 min

Lab File: VX012050.D

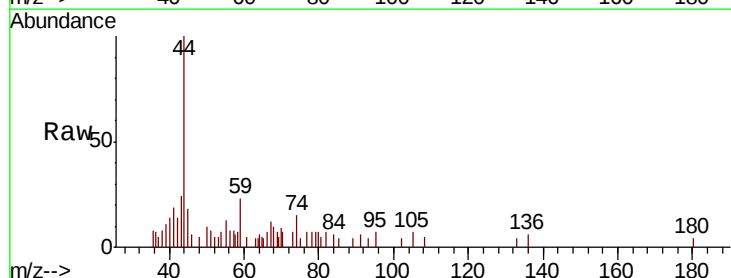
Acq: 04 Sep 2019 14:24

Tgt Ion: 74 Resp: 449

Ion Ratio Lower Upper

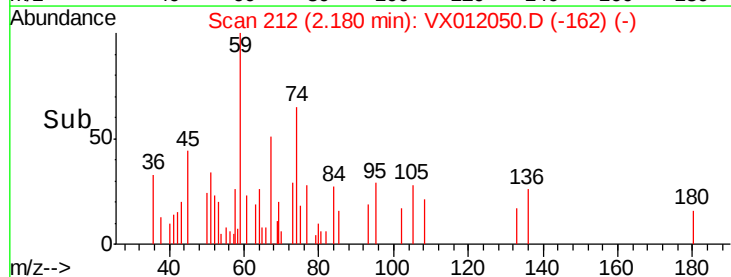
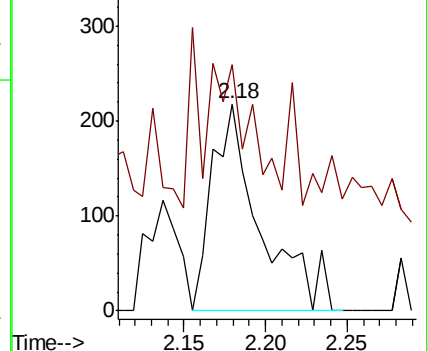
74 100

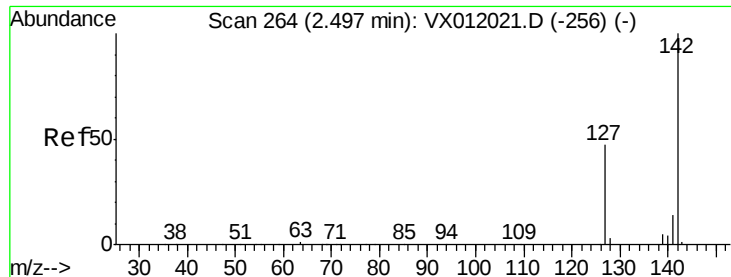
45 0.0 45.9 137.6#



Abundance Ion 74.00 (73.70 to 74.70): VX0

Ion 45.00 (44.70 to 45.70): VX0

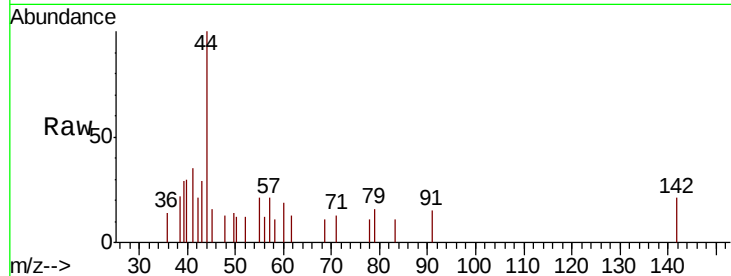




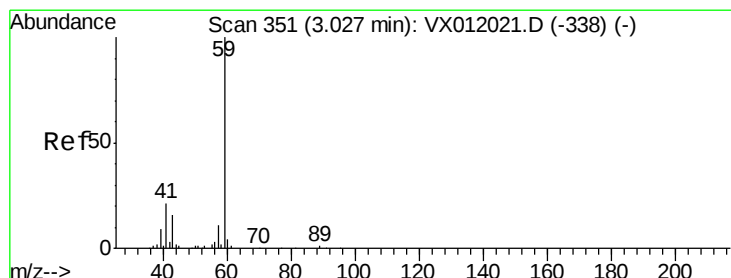
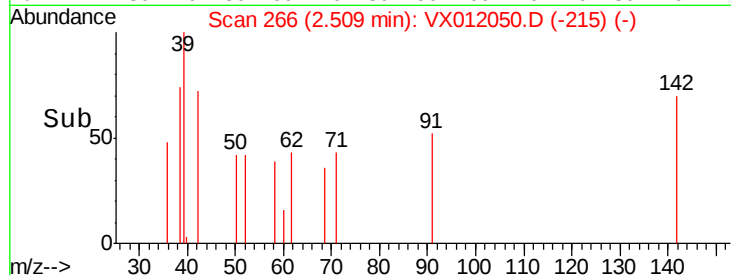
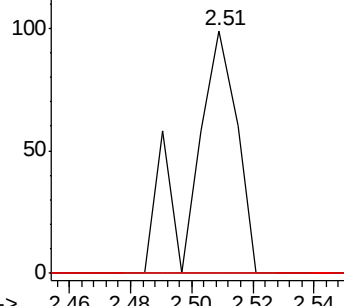
#10
Methyl Iodide
Concen: 7.141 ug/l
RT: 2.51 min Scan# 266
Delta R.T. 0.01 min
Lab File: VX012050.D
Acq: 04 Sep 2019 14:24

Instrument :
MSVOA_X
ClientSampleId :
T3-S-B1-(2.5)

Tgt Ion: 142 Resp: 101
Ion Ratio Lower Upper
142 100
127 0.0 35.4 53.2#
141 0.0 11.4 17.2#

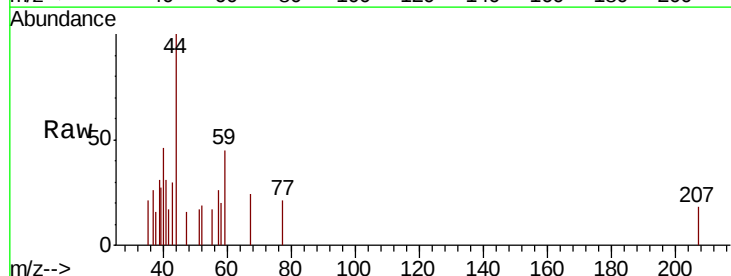


Abundance Ion 141.80 (141.50 to 142.50): V
Ion 126.80 (126.50 to 127.50): V
Ion 140.80 (140.50 to 141.50): V

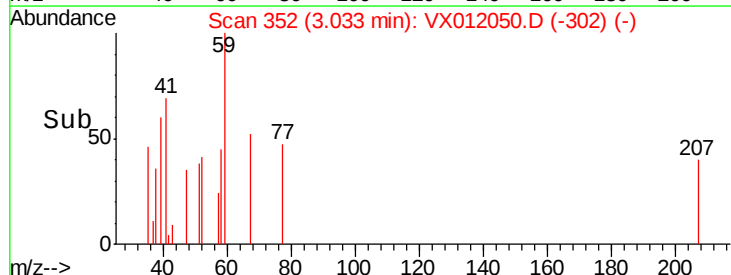
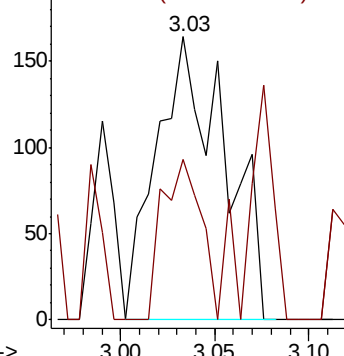


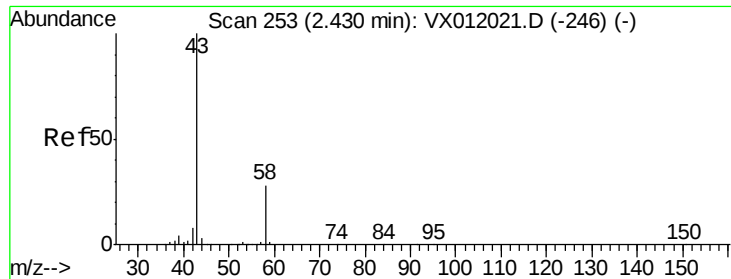
#11
Tert butyl alcohol
Concen: 5.702 ug/l
RT: 3.03 min Scan# 352
Delta R.T. 0.01 min
Lab File: VX012050.D
Acq: 04 Sep 2019 14:24

Tgt Ion: 59 Resp: 414
Ion Ratio Lower Upper
59 100
57 32.1 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: 21.407 ug/l

RT: 2.43 min Scan# 253

Delta R.T. -0.00 min

Lab File: VX012050.D

Acq: 04 Sep 2019 14:24

Instrument :

MSVOA_X

ClientSampleId :

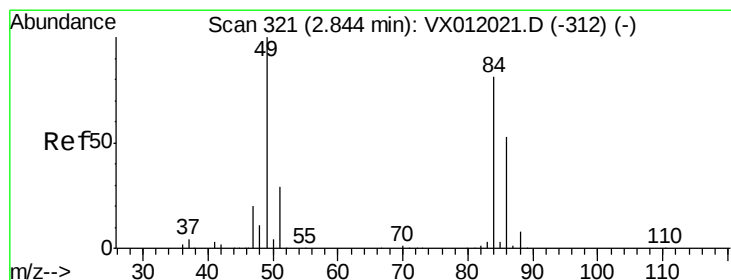
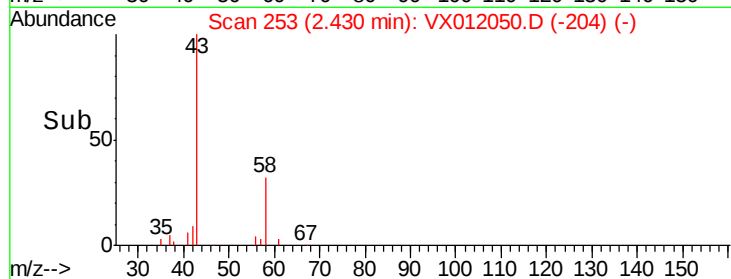
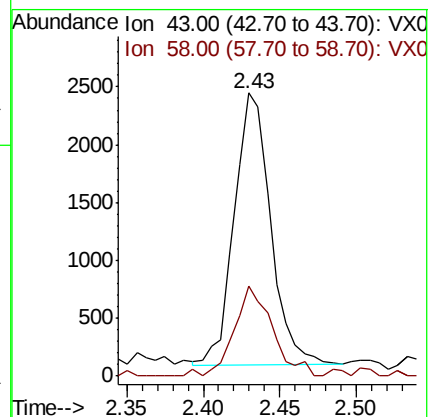
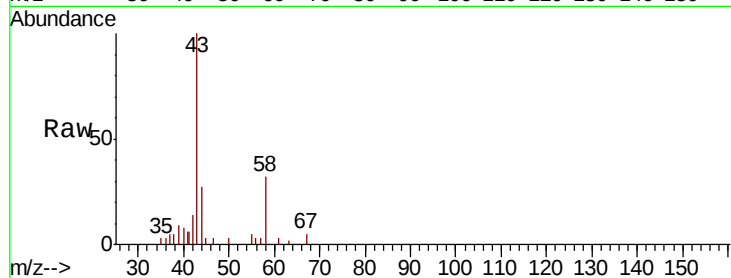
T3-S-B1-(2.5)

Tgt Ion: 43 Resp: 3868

Ion Ratio Lower Upper

43 100

58 31.0 22.8 34.2



#20

Methylene Chloride

Concen: 7.386 ug/l

RT: 2.84 min Scan# 321

Delta R.T. -0.00 min

Lab File: VX012050.D

Acq: 04 Sep 2019 14:24

Tgt Ion: 84 Resp: 5359

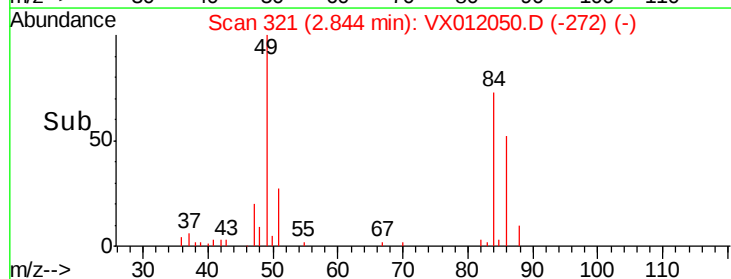
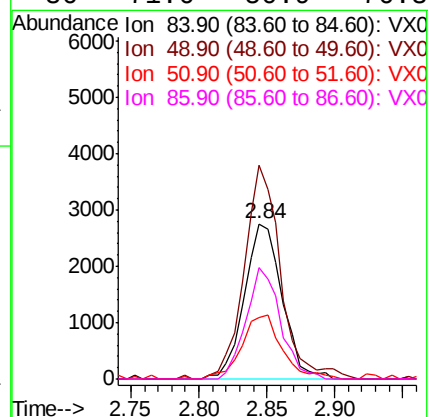
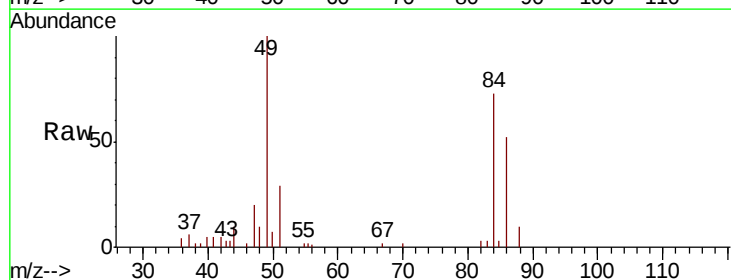
Ion Ratio Lower Upper

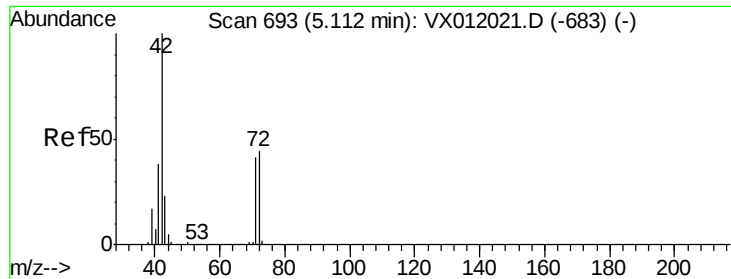
84 100

49 137.9 95.8 143.8

51 39.7 28.6 43.0

86 71.6 50.9 76.3

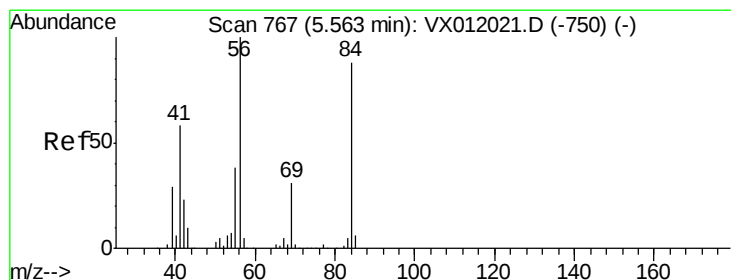
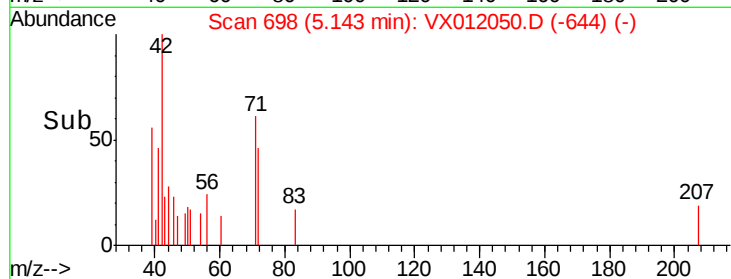
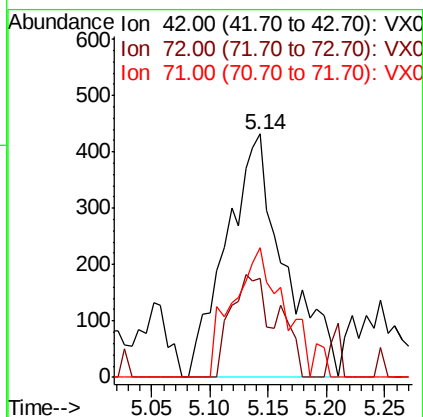
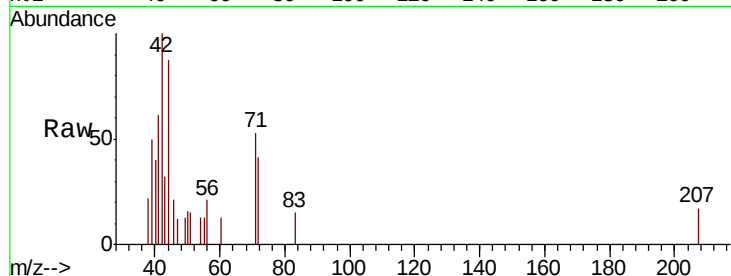




#29
Tetrahydrofuran
Concen: 10.846 ug/l
RT: 5.14 min Scan# 698
Delta R.T. 0.03 min
Lab File: VX012050.D
Acq: 04 Sep 2019 14:24

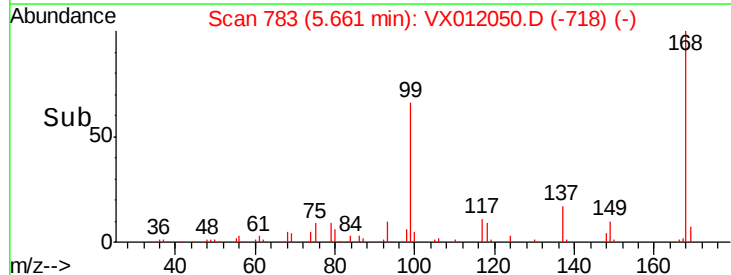
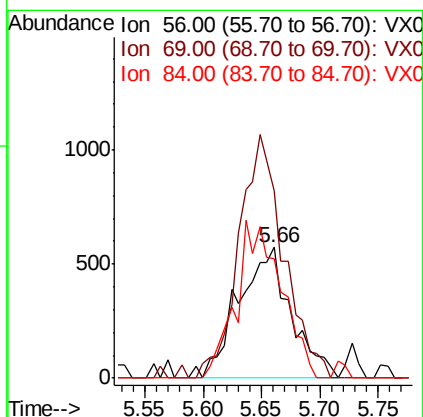
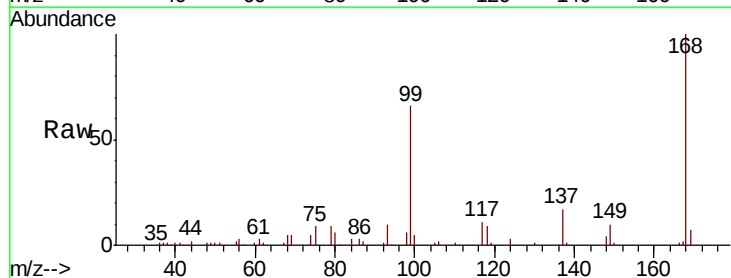
Instrument :
MSVOA_X
ClientSampleId :
T3-S-B1-(2.5)

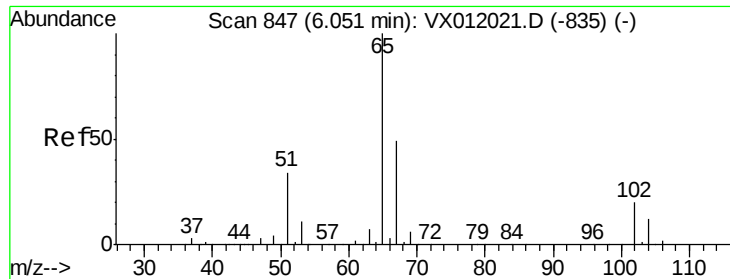
Tgt Ion: 42 Resp: 1503
Ion Ratio Lower Upper
42 100
72 26.0 37.0 55.4#
71 48.3 33.8 50.8



#31
Cyclohexane
Concen: 1.942 ug/l
RT: 5.66 min Scan# 783
Delta R.T. 0.10 min
Lab File: VX012050.D
Acq: 04 Sep 2019 14:24

Tgt Ion: 56 Resp: 1800
Ion Ratio Lower Upper
56 100
69 143.3 25.7 38.5#
84 90.9 70.3 105.5





#33

1,2-Dichloroethane-d4

Concen: 43.202 ug/l

RT: 6.06 min Scan# 848

Delta R.T. 0.01 min

Lab File: VX012050.D

Acq: 04 Sep 2019 14:24

Instrument :

MSVOA_X

ClientSampleId :

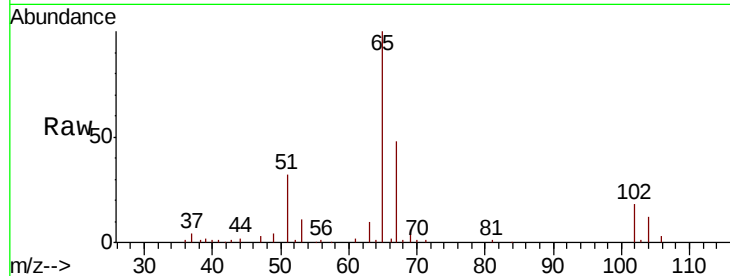
T3-S-B1-(2.5)

Tgt Ion: 65 Resp: 32659

Ion Ratio Lower Upper

65 100

67 49.5 0.0 102.0



Abundance Ion 64.90 (64.60 to 65.60): VX0

Ion 66.90 (66.60 to 67.60): VX0

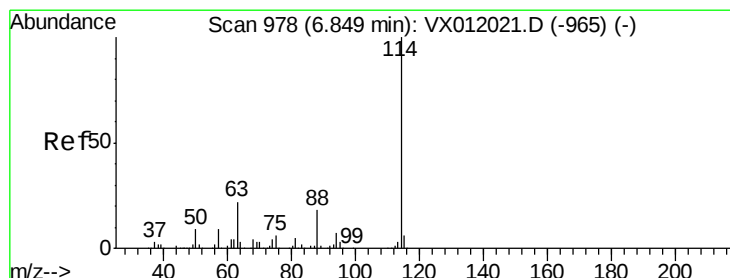
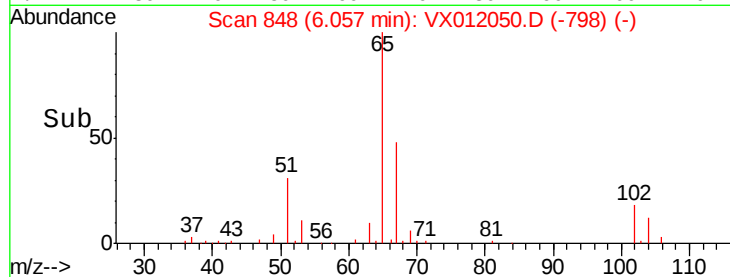
6.06

10000

5000

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: VX012050.D

Acq: 04 Sep 2019 14:24

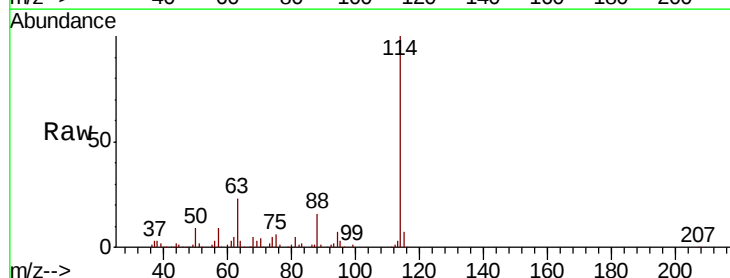
Tgt Ion: 114 Resp: 90129

Ion Ratio Lower Upper

114 100

63 23.2 0.0 37.4

88 16.4 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

50000

40000

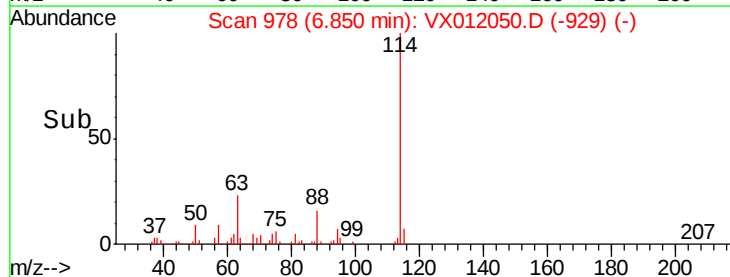
30000

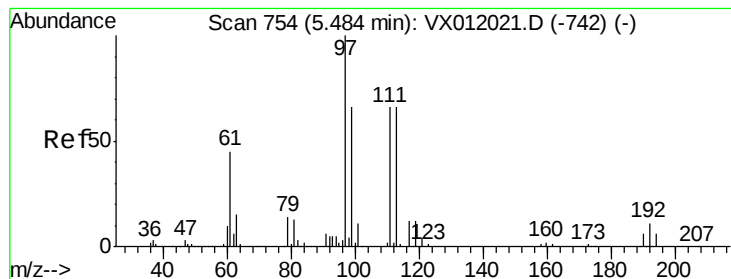
20000

10000

0

Time--> 6.70 6.80 6.90 7.00





#35

Dibromofluoromethane

Concen: 47.017 ug/l

RT: 5.49 min Scan# 755

Delta R.T. 0.01 min

Lab File: VX012050.D

Acq: 04 Sep 2019 14:24

Instrument :

MSVOA_X

ClientSampleId :

T3-S-B1-(2.5)

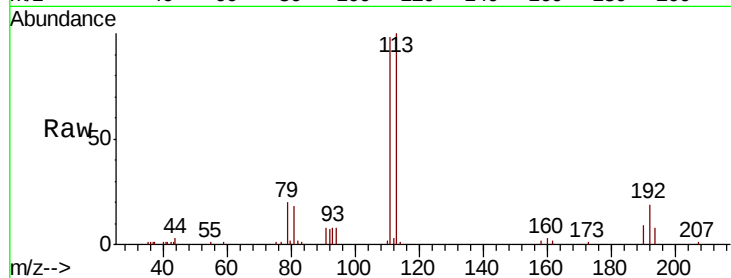
Tgt Ion:113 Resp: 26060

Ion Ratio Lower Upper

113 100

111 103.5 81.7 122.5

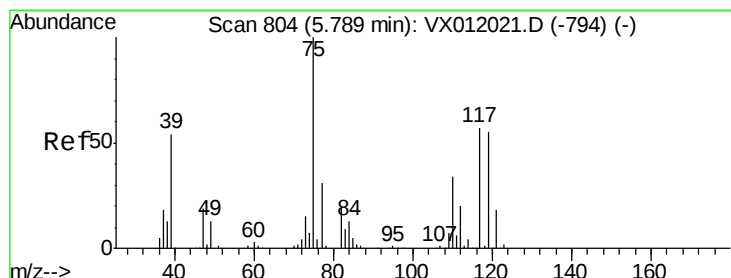
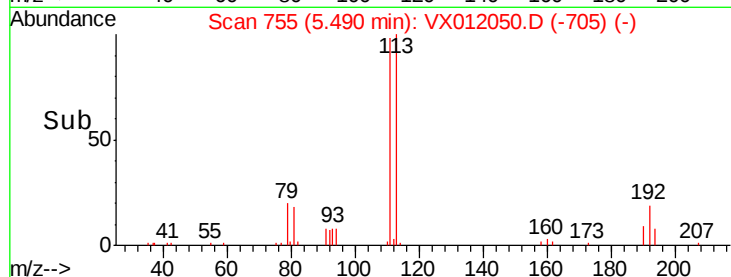
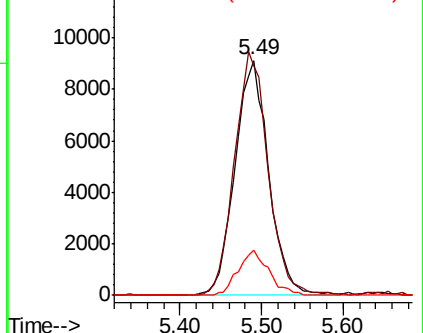
192 17.4 22.5 33.7#



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: 6.629 ug/l

RT: 5.65 min Scan# 782

Delta R.T. -0.13 min

Lab File: VX012050.D

Acq: 04 Sep 2019 14:24

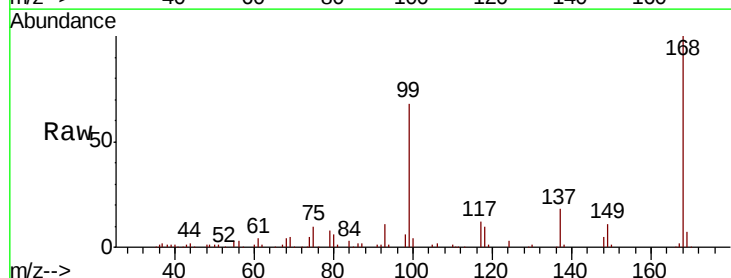
Tgt Ion: 75 Resp: 5262

Ion Ratio Lower Upper

75 100

110 7.6 19.5 58.5#

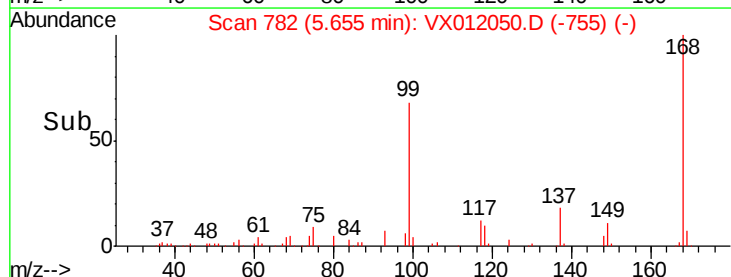
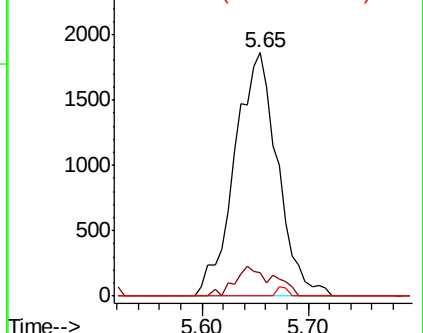
77 0.0 24.6 37.0#

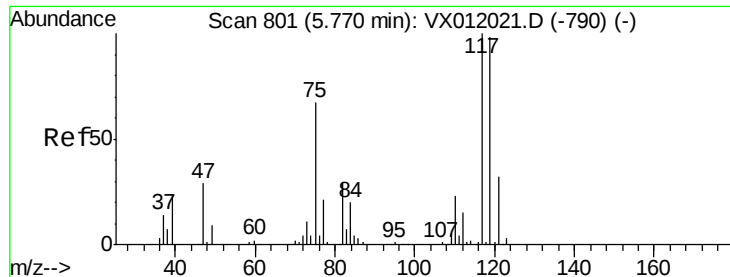


Abundance Ion 74.90 (74.60 to 75.60): VX0

Ion 109.90 (109.60 to 110.60): V

Ion 76.90 (76.60 to 77.60): VX0

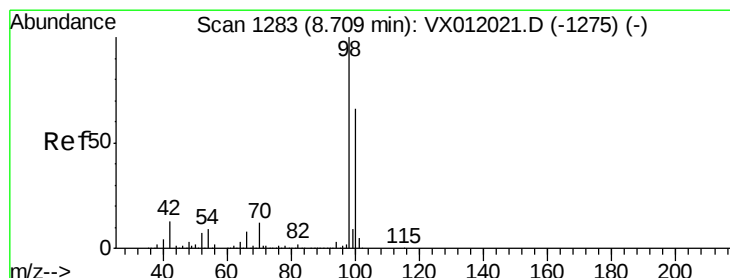
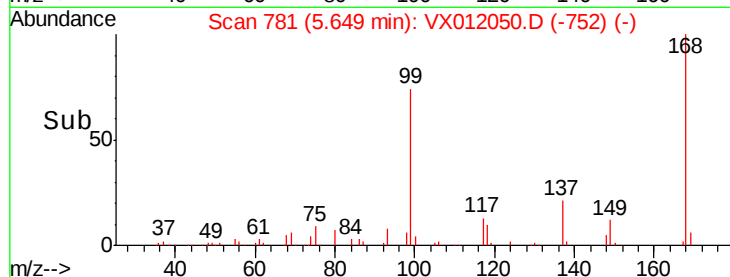
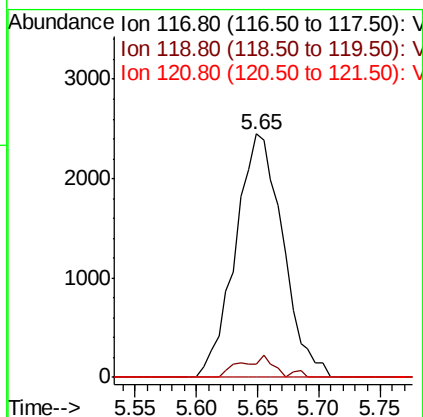
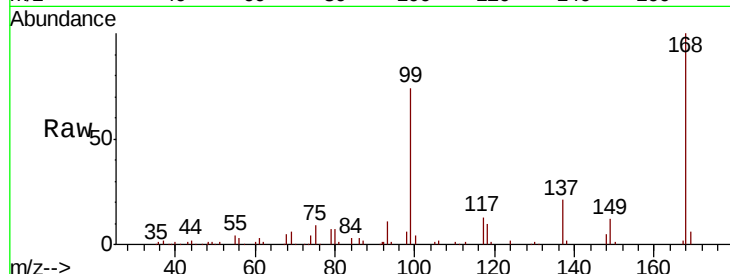




#38
Carbon Tetrachloride
Concen: 7.886 ug/l
RT: 5.65 min Scan# 781
Delta R.T. -0.12 min
Lab File: VX012050.D
Acq: 04 Sep 2019 14:24

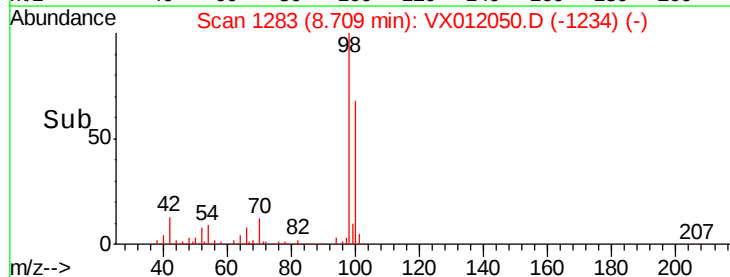
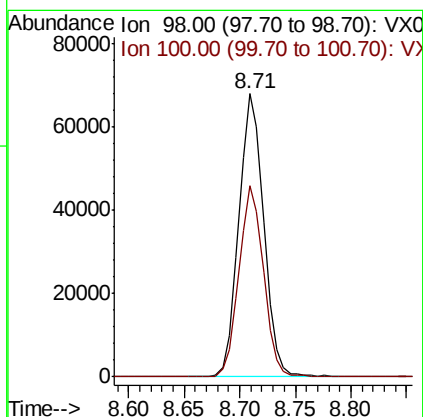
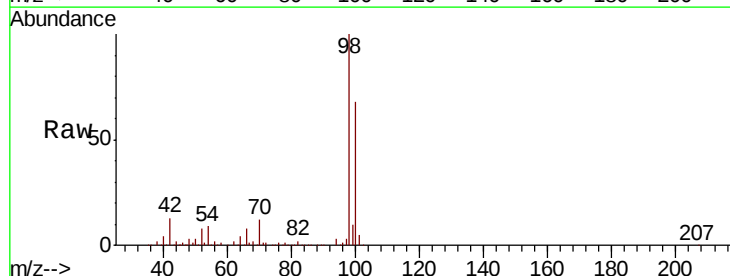
Instrument :
MSVOA_X
ClientSampleId :
T3-S-B1-(2.5)

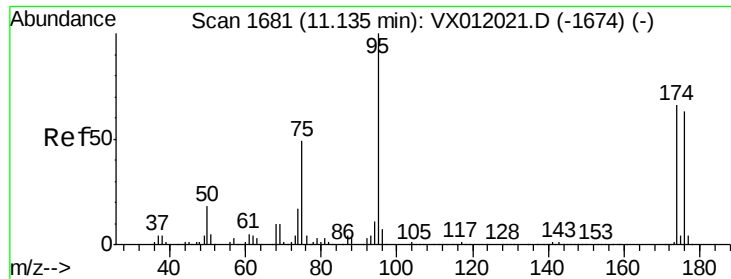
Tgt Ion: 117 Resp: 6596
Ion Ratio Lower Upper
117 100
119 5.4 78.3 117.5#
121 0.0 24.2 36.2#



#50
Toluene-d8
Concen: 51.796 ug/l
RT: 8.71 min Scan# 1283
Delta R.T. -0.00 min
Lab File: VX012050.D
Acq: 04 Sep 2019 14:24

Tgt Ion: 98 Resp: 105349
Ion Ratio Lower Upper
98 100
100 66.2 53.3 79.9





#62

4-Bromofluorobenzene

Concen: 41.267 ug/l

RT: 11.14 min Scan# 1681

Delta R.T. -0.00 min

Lab File: VX012050.D

Acq: 04 Sep 2019 14:24

Instrument :

MSVOA_X

ClientSampleId :

T3-S-B1-(2.5)

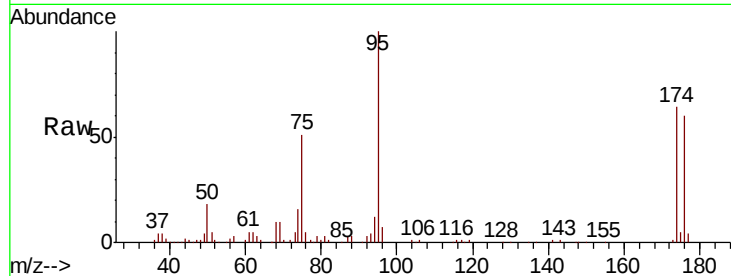
Tgt Ion: 95 Resp: 39034

Ion Ratio Lower Upper

95 100

174 63.6 0.0 205.4

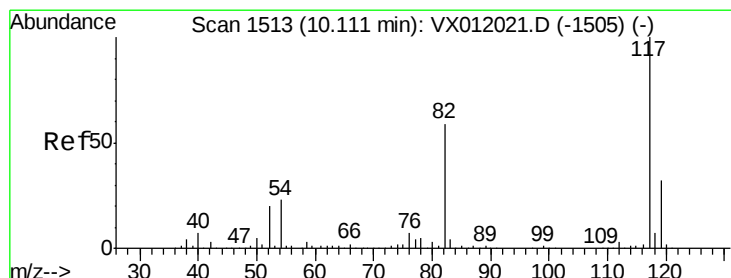
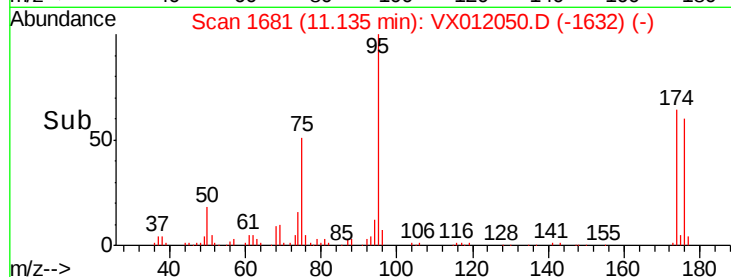
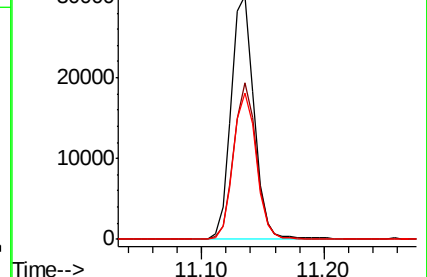
176 60.3 0.0 201.8



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# 1513

Delta R.T. -0.00 min

Lab File: VX012050.D

Acq: 04 Sep 2019 14:24

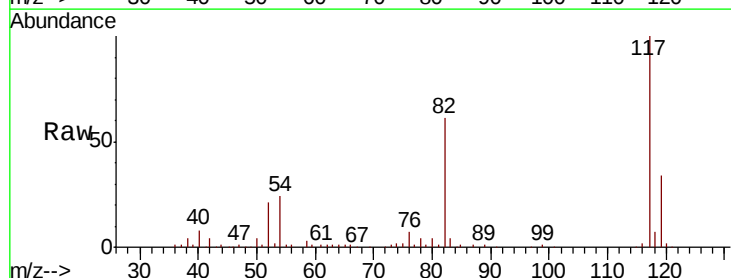
Tgt Ion: 117 Resp: 73389

Ion Ratio Lower Upper

117 100

82 60.7 39.4 59.0#

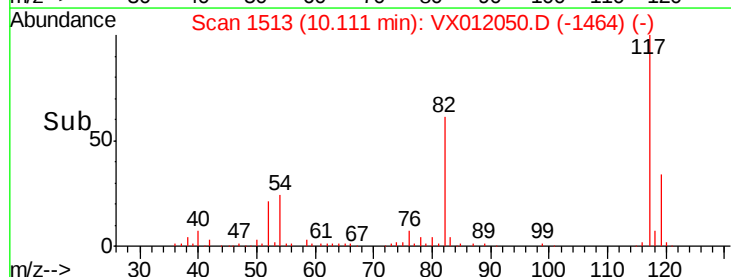
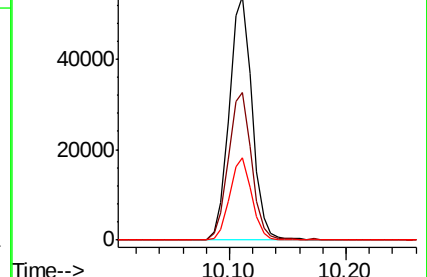
119 33.6 26.1 39.1

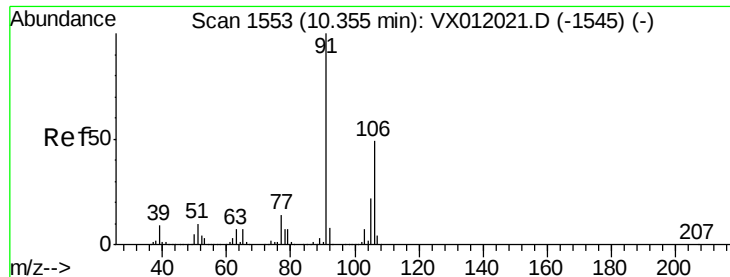


Abundance Ion 116.90 (116.60 to 117.60): VX012021.D (-1505) (-)

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

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





#68

m/p-Xylenes

Concen: 1.419 ug/l

RT: 10.36 min Scan# 1553

Delta R.T. -0.00 min

Lab File: VX012050.D

Acq: 04 Sep 2019 14:24

Instrument :

MSVOA_X

ClientSampleId :

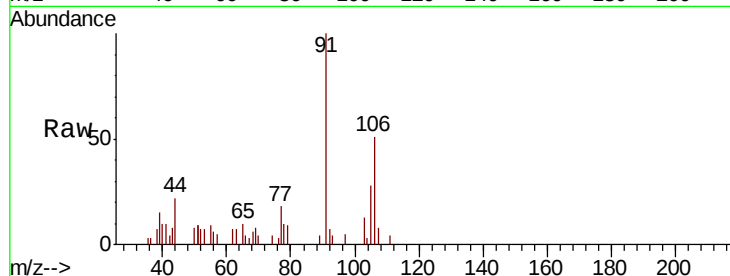
T3-S-B1-(2.5)

Tgt Ion:106 Resp: 1380

Ion Ratio Lower Upper

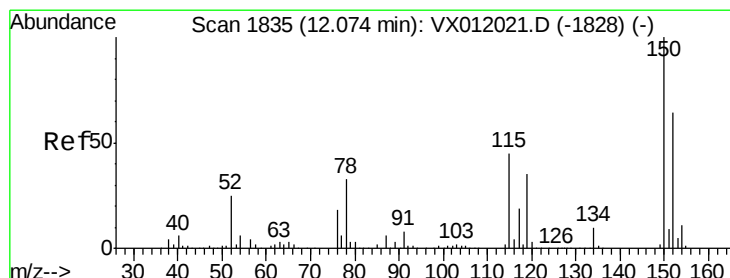
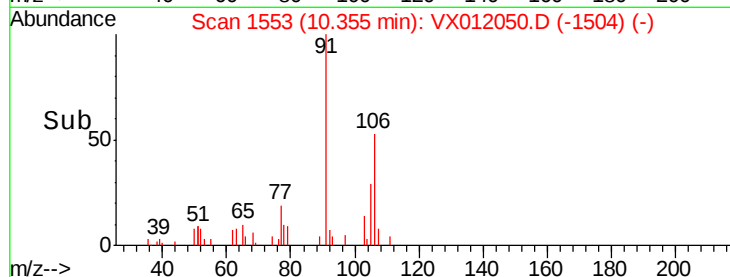
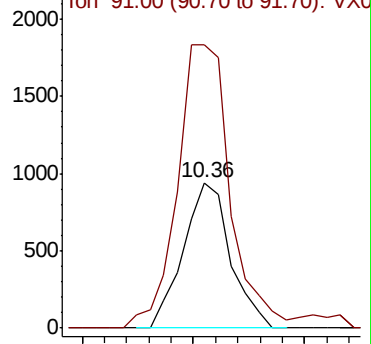
106 100

91 220.7 157.5 236.3



Abundance Ion 106.00 (105.70 to 106.70): V

Ion 91.00 (90.70 to 91.70): VX0



#72

1,4-Dichlorobenzene-d4

Concen: 50.000 ug/l

RT: 12.07 min Scan# 1835

Delta R.T. -0.00 min

Lab File: VX012050.D

Acq: 04 Sep 2019 14:24

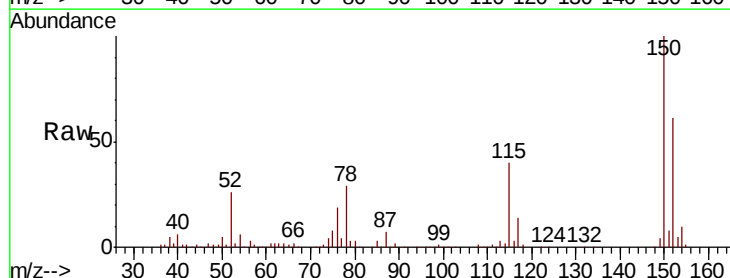
Tgt Ion:152 Resp: 29610

Ion Ratio Lower Upper

152 100

115 65.4 36.4 109.3

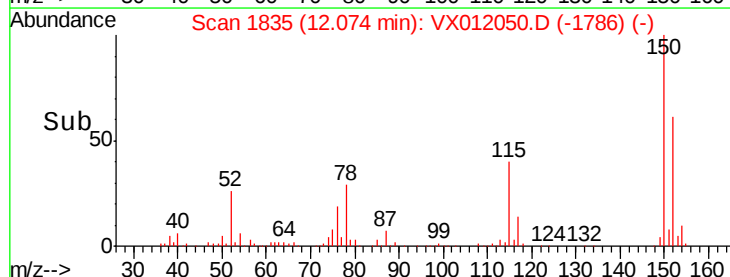
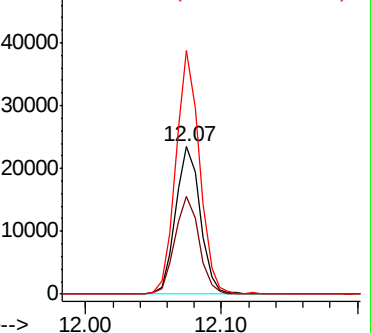
150 158.4 0.0 341.2

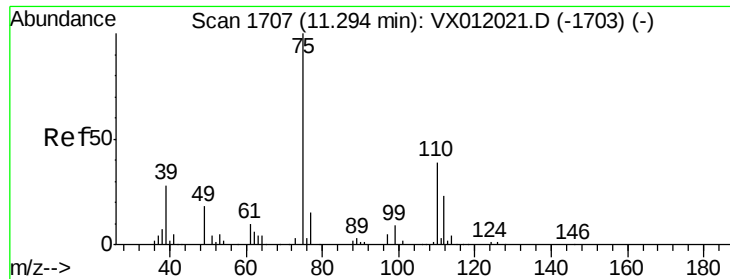


Abundance Ion 151.90 (151.60 to 152.60): V

Ion 114.90 (114.60 to 115.60): V

Ion 149.90 (149.60 to 150.60): V





#76

1,2,3-Trichloropropane

Concen: 55.159 ug/l

RT: 11.14 min Scan# 1681

Delta R.T. -0.16 min

Lab File: VX012050.D

Acq: 04 Sep 2019 14:24

Instrument :

MSVOA_X

ClientSampleId :

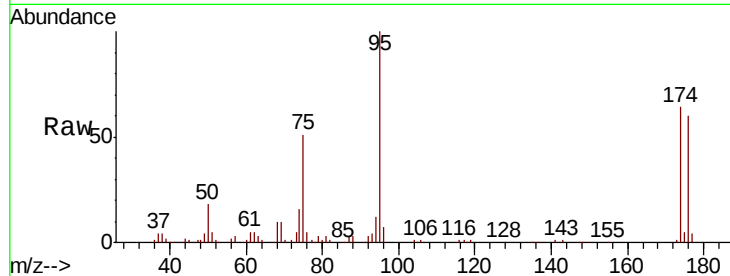
T3-S-B1-(2.5)

Tgt Ion: 75 Resp: 19956

Ion Ratio Lower Upper

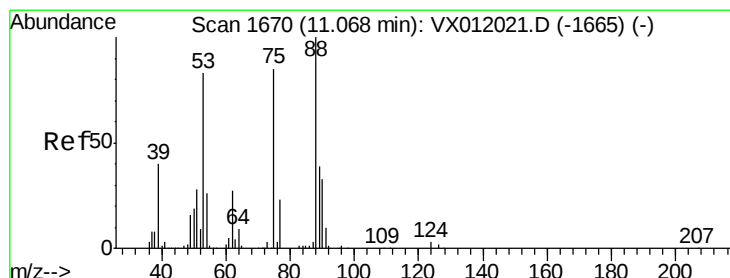
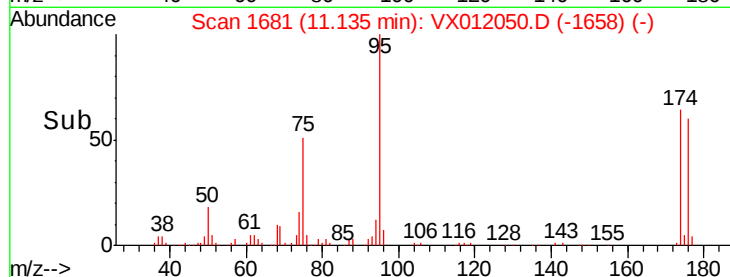
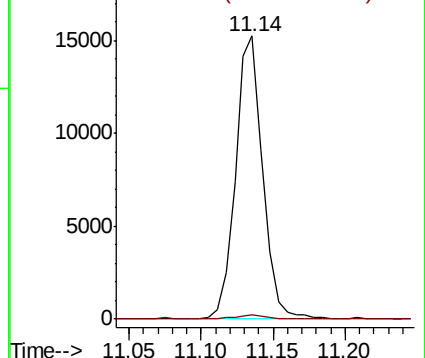
75 100

77 1.5 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: 130.405 ug/l

RT: 11.14 min Scan# 1681

Delta R.T. 0.07 min

Lab File: VX012050.D

Acq: 04 Sep 2019 14:24

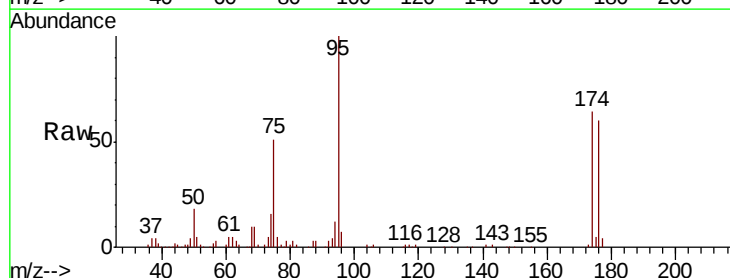
Tgt Ion: 75 Resp: 19956

Ion Ratio Lower Upper

75 100

53 0.3 78.6 117.8#

89 0.0 38.8 58.2#



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

