

Data Path : Z:\VOASRV\HPCHEM1\MSVOA_X\DATA\VX090519\
 Data File : VX012111.D
 Acq On : 05 Sep 2019 19:58
 Operator : SY/SP
 Sample : K4546-18RE
 Misc : 4.48g/5.0mL/MSVOA_X/SOIL
 ALS Vial : 21 Sample Multiplier: 1

Instrument :
 MSVOA_X
 ClientSampleId :
 T3-S-B3-(2.5)

Quant Time: Sep 06 05:44:58 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

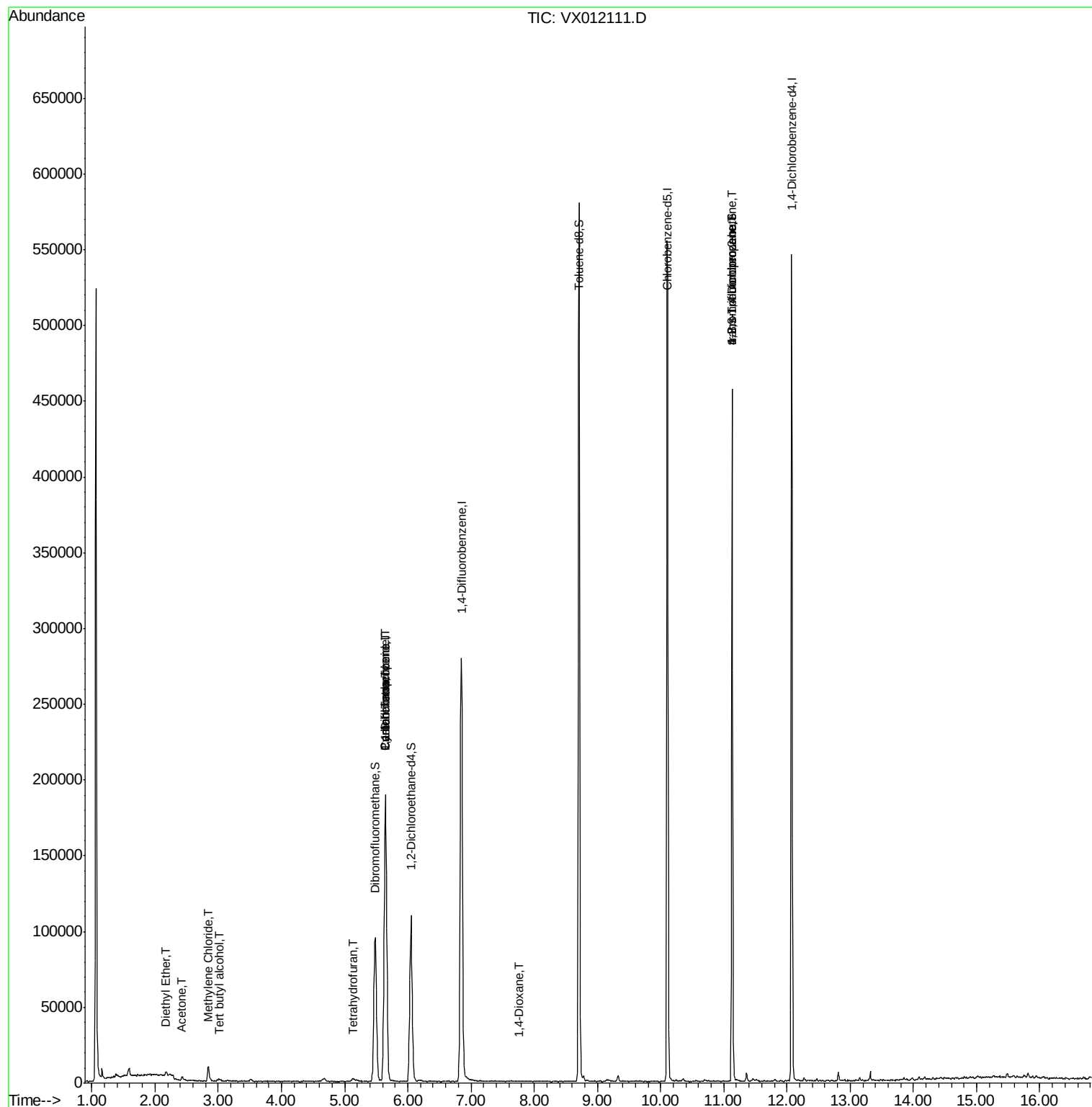
Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Pentafluorobenzene	5.65	168	158921	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	6.85	114	272521	50.00	ug/l	0.00
63) Chlorobenzene-d5	10.11	117	235831	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	12.07	152	99563	50.00	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	6.05	65	108330	49.40	ug/l	0.00
Spiked Amount 50.000			Recovery	=	98.80%	
35) Dibromofluoromethane	5.48	113	81930	48.89	ug/l	0.00
Spiked Amount 50.000			Recovery	=	97.78%	
50) Toluene-d8	8.71	98	320803	52.16	ug/l	0.00
Spiked Amount 50.000			Recovery	=	104.32%	
62) 4-Bromofluorobenzene	11.14	95	127974	44.75	ug/l	0.00
Spiked Amount 50.000			Recovery	=	89.50%	
Target Compounds						
					Qvalue	
8) Diethyl Ether	2.17	74	924	1.219	ug/l	89
11) Tert butyl alcohol	3.03	59	1912	9.078	ug/l #	83
13) Acrolein	2.27	56	114	Below Cal	#	12
16) Acetone	2.43	43	2283	4.356	ug/l #	87
20) Methylene Chloride	2.84	84	4475	2.126	ug/l	96
29) Tetrahydrofuran	5.13	42	2117	5.267	ug/l #	75
31) Cyclohexane	5.64	56	4261	1.585	ug/l #	12
36) 1,1-Dichloropropene	5.65	75	14436	6.014	ug/l #	49
38) Carbon Tetrachloride	5.64	117	18767	7.420	ug/l #	15
49) 1,4-Dioxane	7.76	88	19	1.044	ug/l #	23
76) 1,2,3-Trichloropropane	11.14	75	67018	55.090	ug/l #	31
81) trans-1,4-Dichloro-2-buten	11.14	75	67018	130.242	ug/l #	10

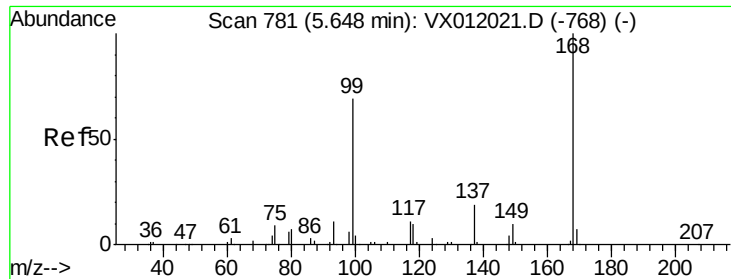
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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#1

Pentafluorobenzene

Concen: 50.000 ug/l

RT: 5.65 min Scan# 781

Delta R.T. -0.00 min

Lab File: VX012111.D

Acq: 05 Sep 2019 19:58

Instrument :

MSVOA_X

ClientSampleId :

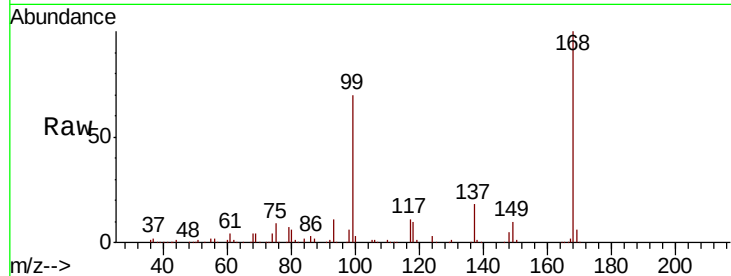
T3-S-B3-(2.5)

Tgt Ion:168 Resp: 158921

Ion Ratio Lower Upper

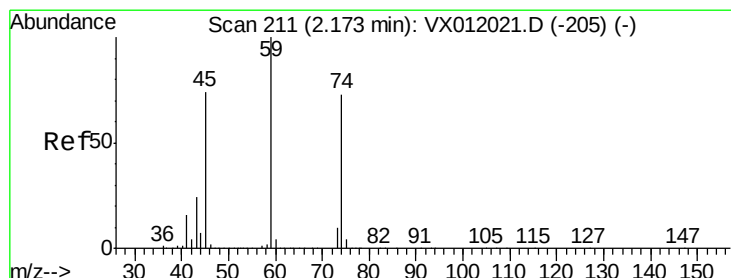
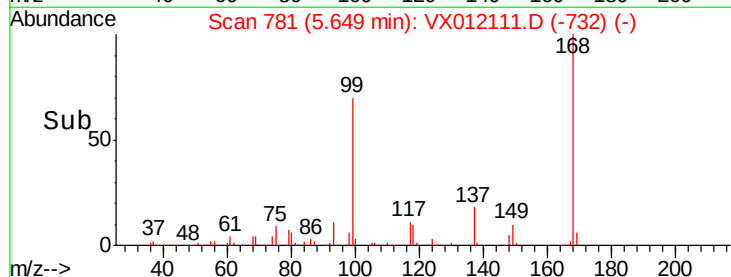
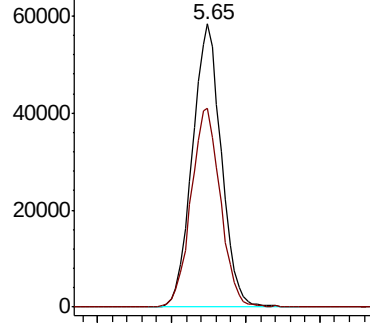
168 100

99 70.3 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: 1.219 ug/l

RT: 2.17 min Scan# 211

Delta R.T. -0.00 min

Lab File: VX012111.D

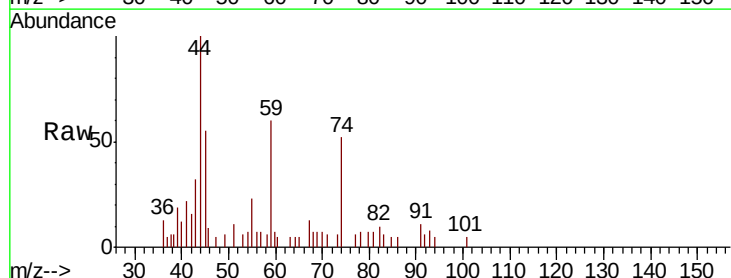
Acq: 05 Sep 2019 19:58

Tgt Ion: 74 Resp: 924

Ion Ratio Lower Upper

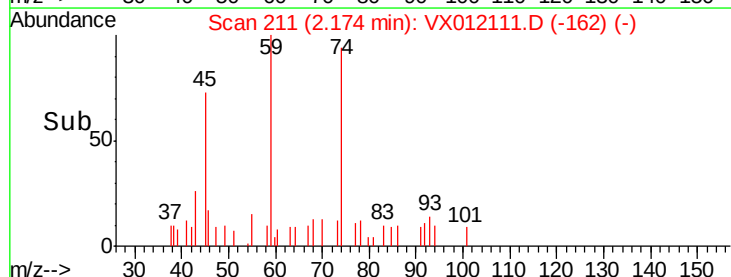
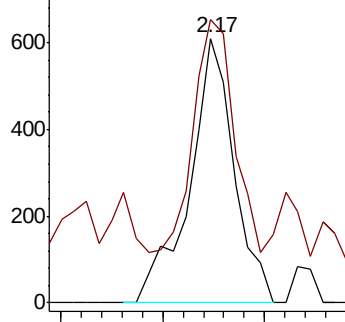
74 100

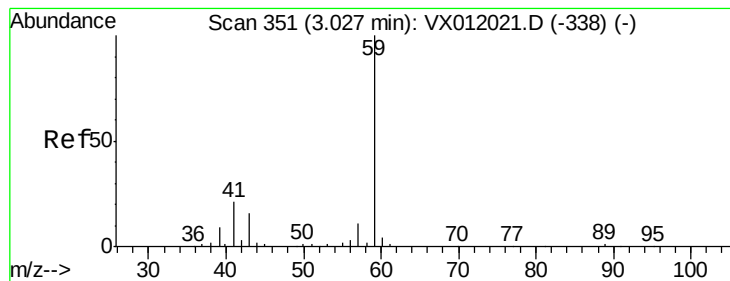
45 102.4 45.9 137.6



Abundance Ion 74.00 (73.70 to 74.70): VX0

Ion 45.00 (44.70 to 45.70): VX0



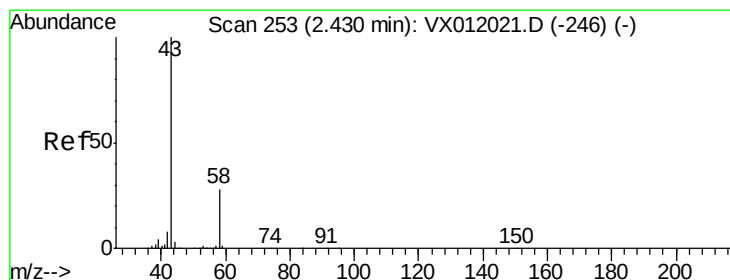
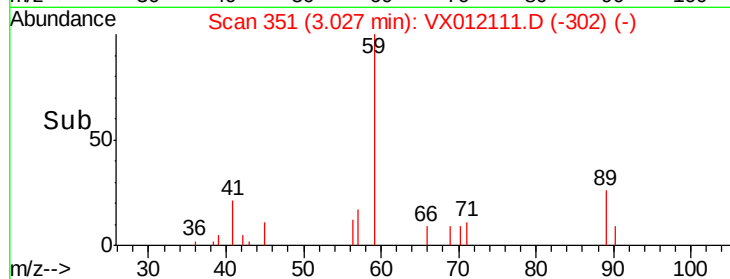
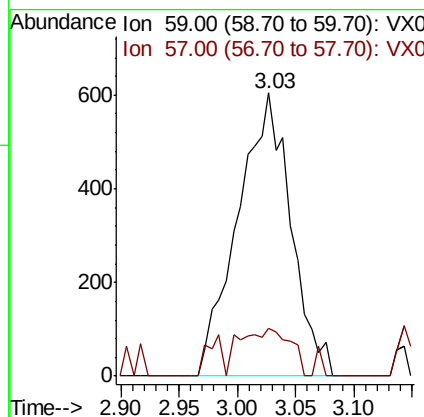
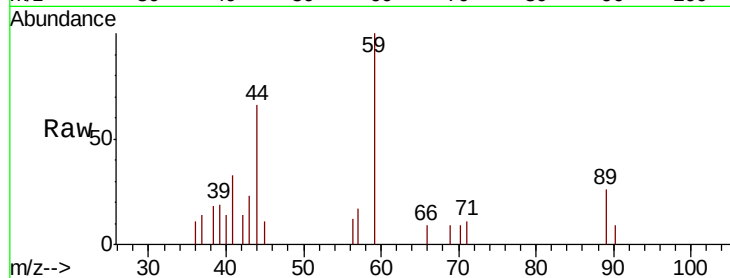


#11

Tert butyl alcohol
 Concen: 9.078 ug/l
 RT: 3.03 min Scan# 351
 Delta R.T. -0.00 min
 Lab File: VX012111.D
 Acq: 05 Sep 2019 19:58

Instrument :
 MSVOA_X
 ClientSampled :
 T3-S-B3-(2.5)

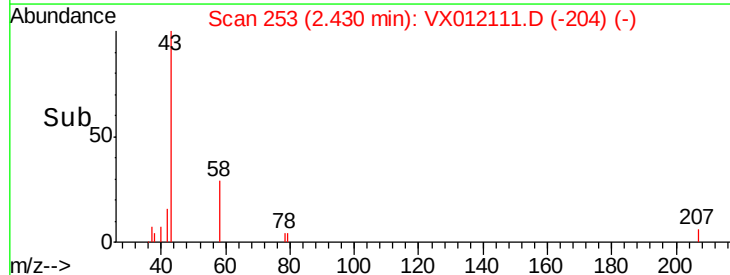
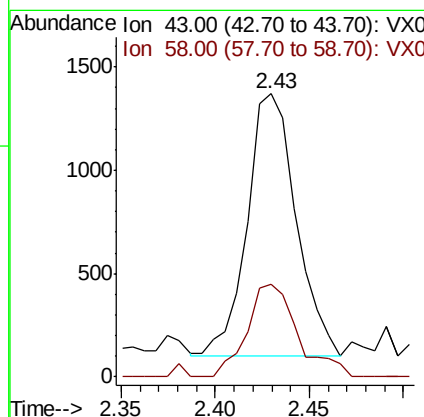
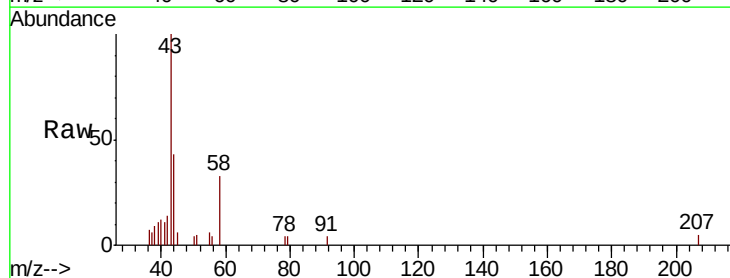
Tgt Ion: 59 Resp: 1912
 Ion Ratio Lower Upper
 59 100
 57 16.1 7.9 11.9#

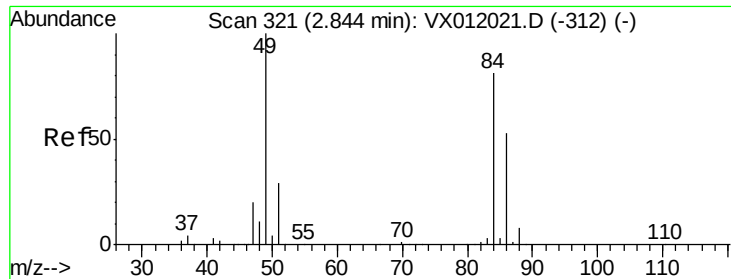


#16

Acetone
 Concen: 4.356 ug/l
 RT: 2.43 min Scan# 253
 Delta R.T. -0.00 min
 Lab File: VX012111.D
 Acq: 05 Sep 2019 19:58

Tgt Ion: 43 Resp: 2283
 Ion Ratio Lower Upper
 43 100
 58 35.3 22.8 34.2#

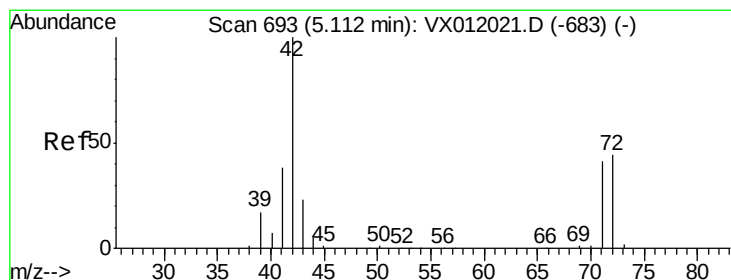
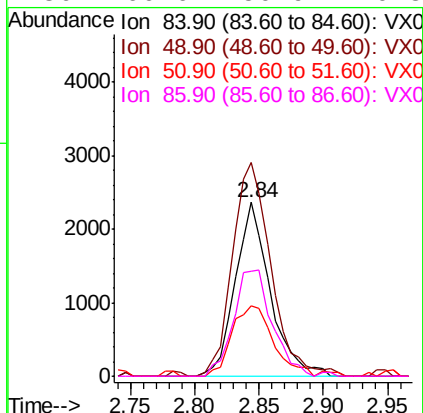
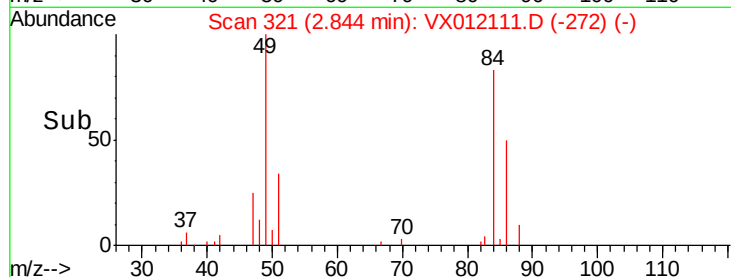
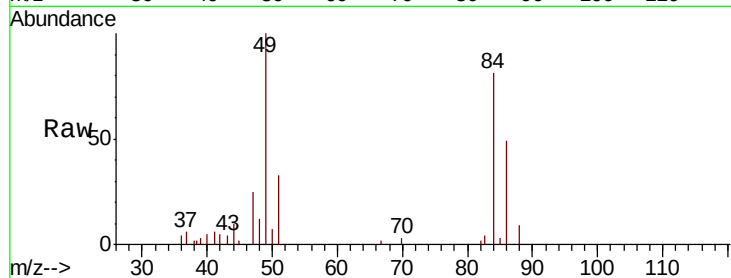




#20
Methylene Chloride
Concen: 2.126 ug/l
RT: 2.84 min Scan# 321
Delta R.T. -0.00 min
Lab File: VX012111.D
Acq: 05 Sep 2019 19:58

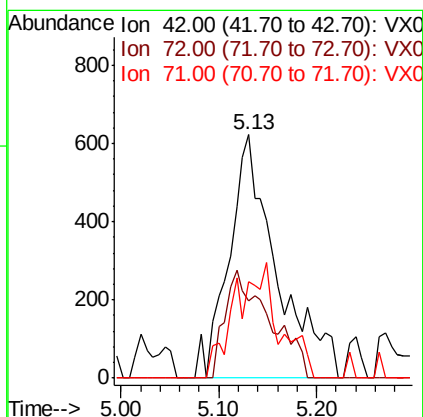
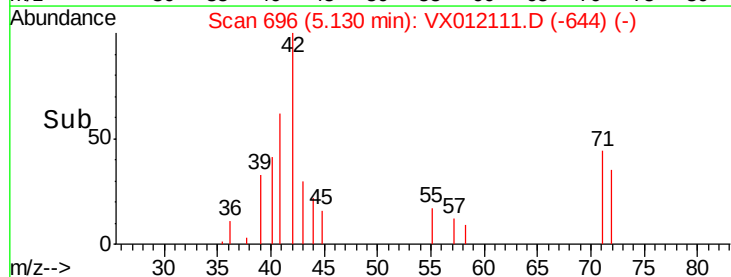
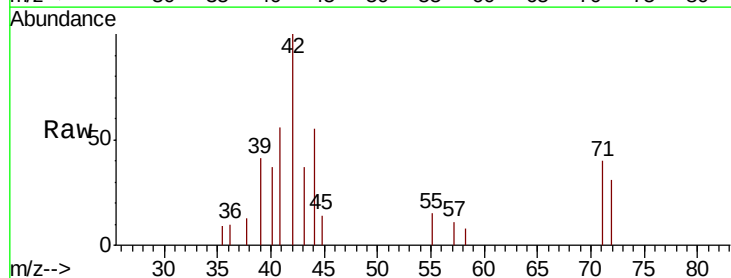
Instrument :
MSVOA_X
ClientSampleId :
T3-S-B3-(2.5)

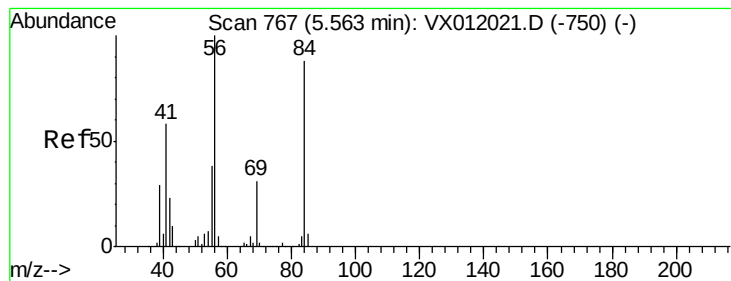
Tgt Ion:	84	Resp:	4475
Ion	Ratio	Lower	Upper
84	100		
49	123.1	95.8	143.8
51	41.0	28.6	43.0
86	60.6	50.9	76.3



#29
Tetrahydrofuran
Concen: 5.267 ug/l
RT: 5.13 min Scan# 696
Delta R.T. 0.02 min
Lab File: VX012111.D
Acq: 05 Sep 2019 19:58

Tgt Ion:	42	Resp:	2117
Ion	Ratio	Lower	Upper
42	100		
72	41.3	37.0	55.4
71	14.1	33.8	50.8#





#31

Cyclohexane

Concen: 1.585 ug/l

RT: 5.64 min Scan# 780

Delta R.T. 0.08 min

Lab File: VX012111.D

Acq: 05 Sep 2019 19:58

Instrument :

MSVOA_X

ClientSampleId :

T3-S-B3-(2.5)

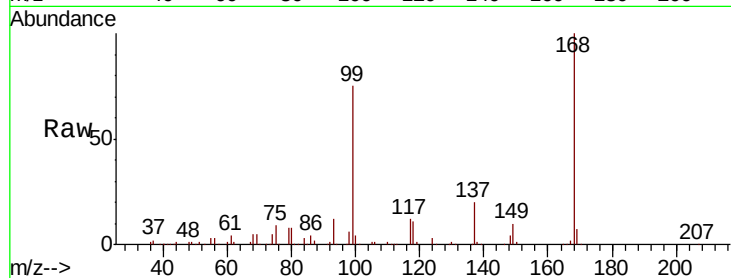
Tgt Ion: 56 Resp: 4261

Ion Ratio Lower Upper

56 100

69 168.3 25.7 38.5#

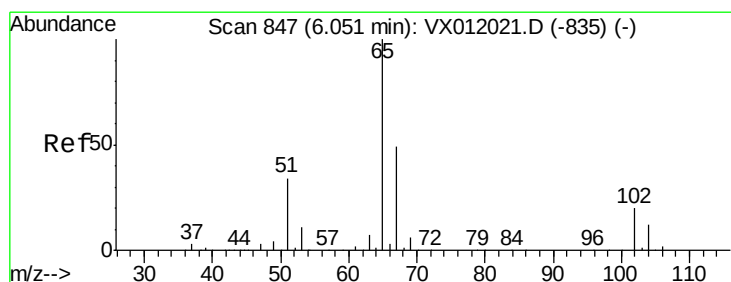
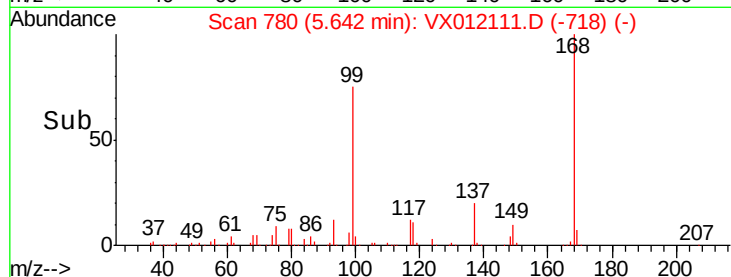
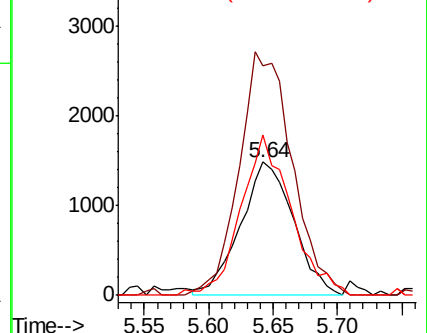
84 116.5 70.3 105.5#



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: 49.403 ug/l

RT: 6.05 min Scan# 847

Delta R.T. -0.00 min

Lab File: VX012111.D

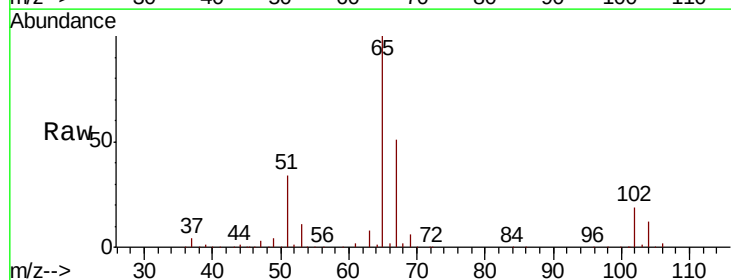
Acq: 05 Sep 2019 19:58

Tgt Ion: 65 Resp: 108330

Ion Ratio Lower Upper

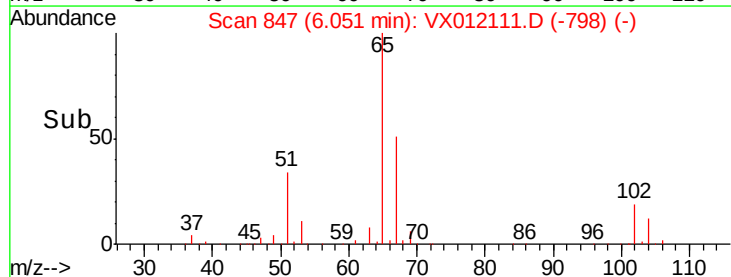
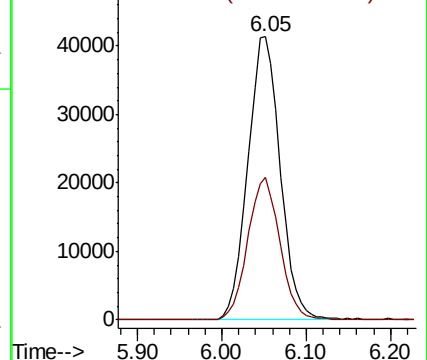
65 100

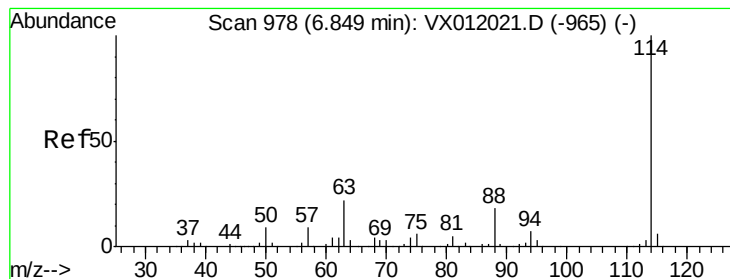
67 50.0 0.0 102.0



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: VX012111.D

Acq: 05 Sep 2019 19:58

Instrument :

MSVOA_X

ClientSampleId :

T3-S-B3-(2.5)

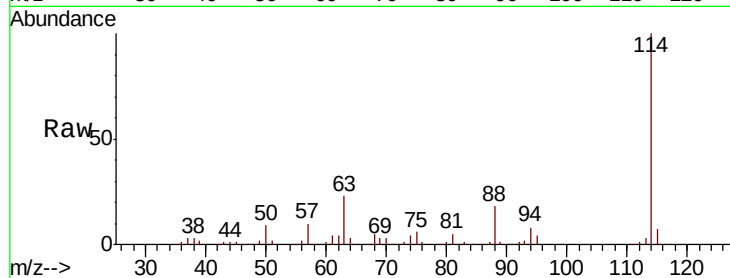
Tgt Ion:114 Resp: 272521

Ion Ratio Lower Upper

114 100

63 22.9 0.0 37.4

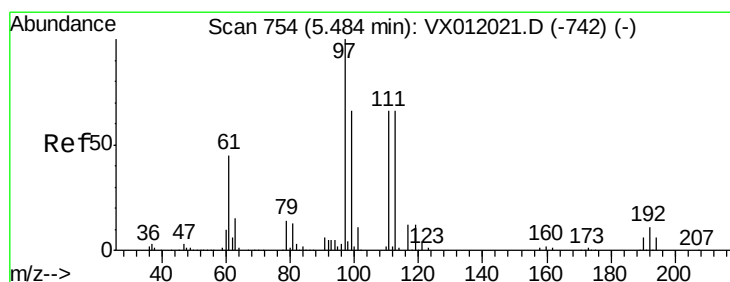
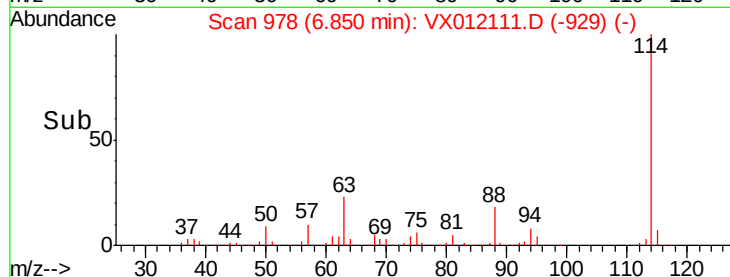
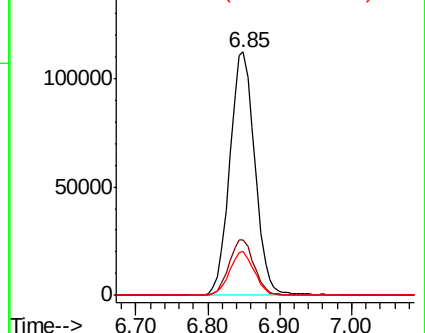
88 18.1 0.0 29.6



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



#35

Dibromofluoromethane

Concen: 48.886 ug/l

RT: 5.48 min Scan# 754

Delta R.T. -0.00 min

Lab File: VX012111.D

Acq: 05 Sep 2019 19:58

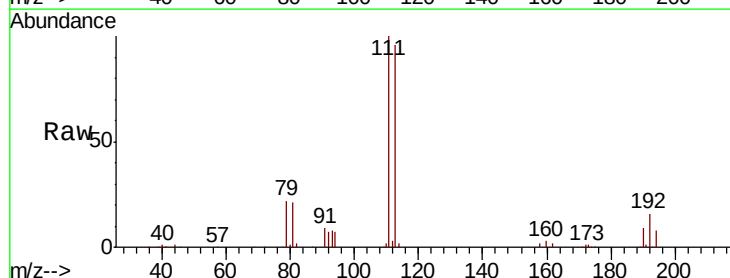
Tgt Ion:113 Resp: 81930

Ion Ratio Lower Upper

113 100

111 102.6 81.7 122.5

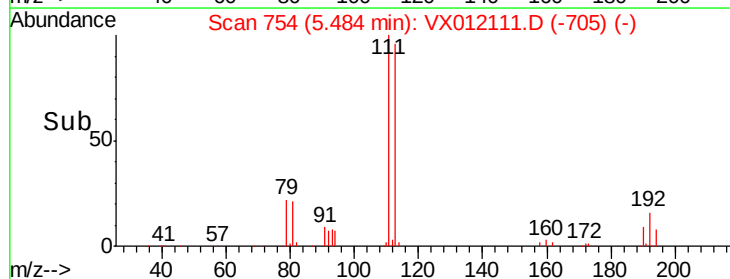
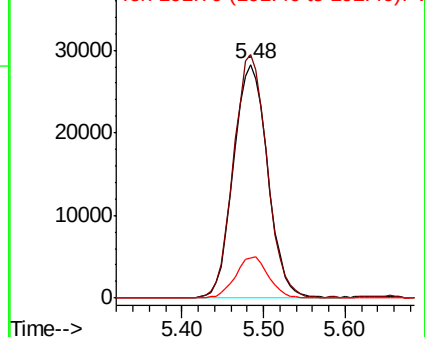
192 17.0 22.5 33.7#

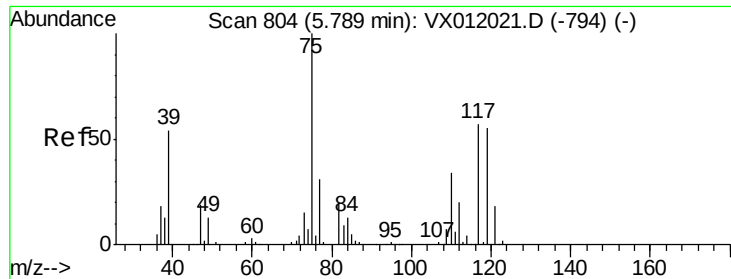


Abundance Ion 112.80 (112.50 to 113.50): V

Ion 110.80 (110.50 to 111.50): V

Ion 191.70 (191.40 to 192.40): V

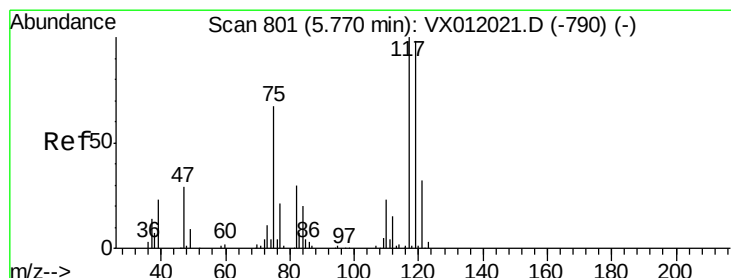
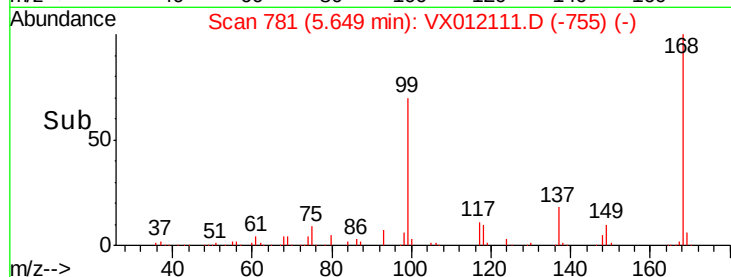
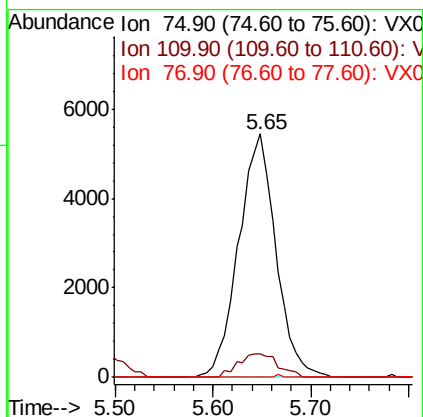
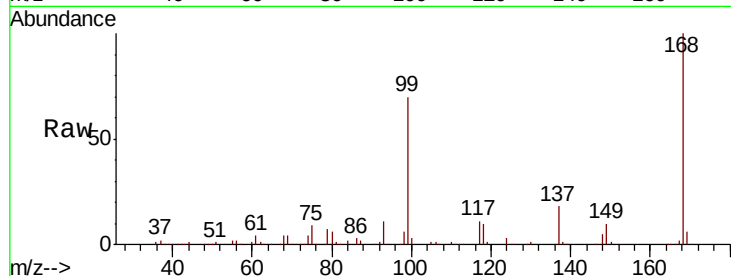




#36
 1,1-Dichloropropene
 Concen: 6.014 ug/l
 RT: 5.65 min Scan# 781
 Delta R.T. -0.14 min
 Lab File: VX012111.D
 Acq: 05 Sep 2019 19:58

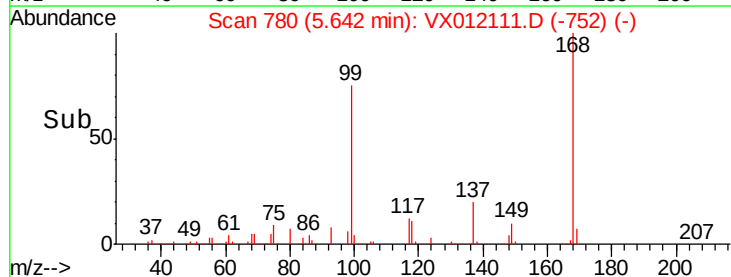
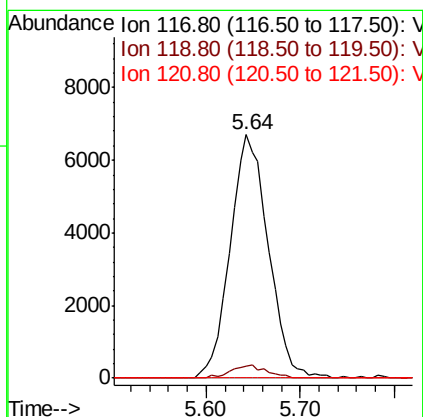
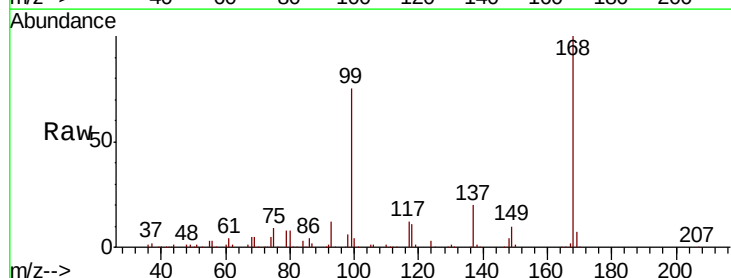
Instrument :
 MSVOA_X
 ClientSampleId :
 T3-S-B3-(2.5)

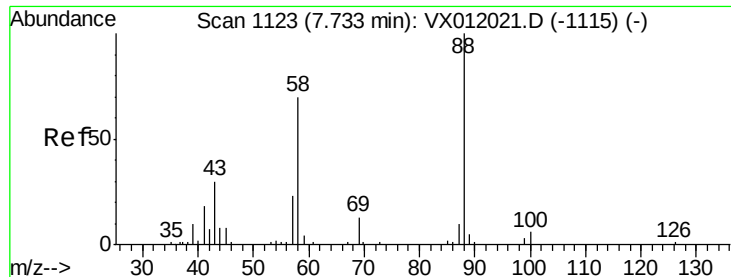
Tgt Ion	Ratio	Lower	Upper
75	100		
110	10.4	19.5	58.5#
77	0.0	24.6	37.0#



#38
 Carbon Tetrachloride
 Concen: 7.420 ug/l
 RT: 5.64 min Scan# 780
 Delta R.T. -0.13 min
 Lab File: VX012111.D
 Acq: 05 Sep 2019 19:58

Tgt Ion	Ratio	Lower	Upper
117	100		
119	4.8	78.3	117.5#
121	0.0	24.2	36.2#

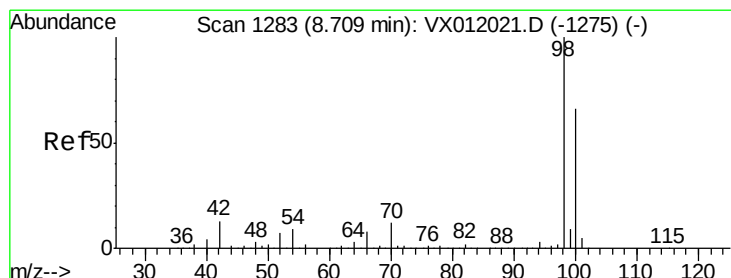
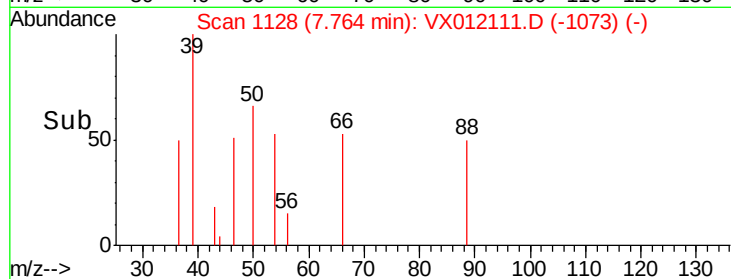
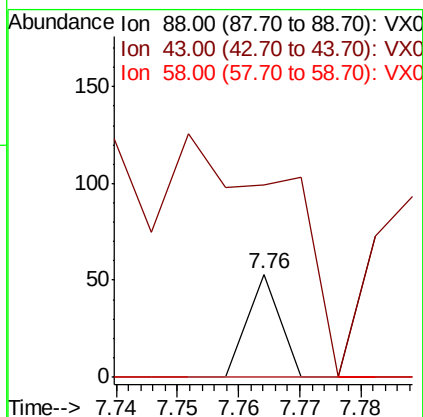
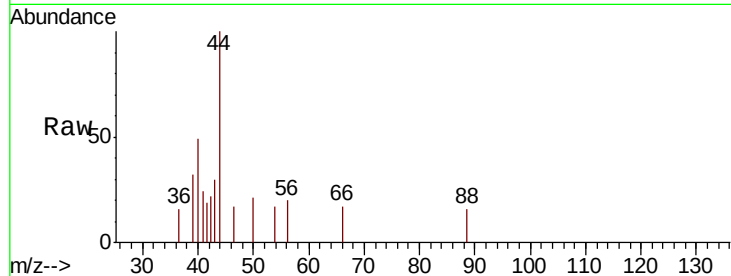




#49
1,4-Dioxane
Concen: 1.044 ug/l
RT: 7.76 min Scan# 1128
Delta R.T. 0.04 min
Lab File: VX012111.D
Acq: 05 Sep 2019 19:58

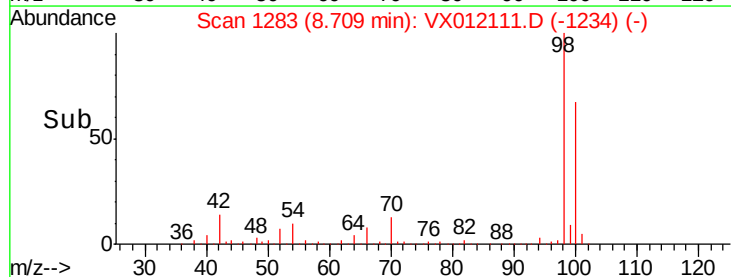
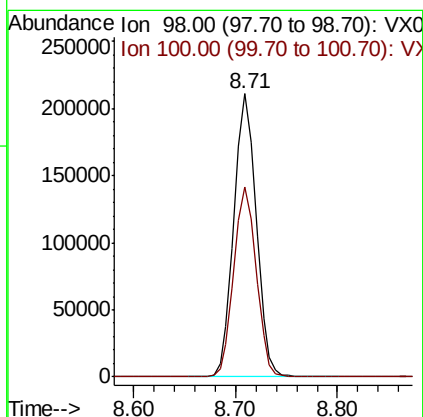
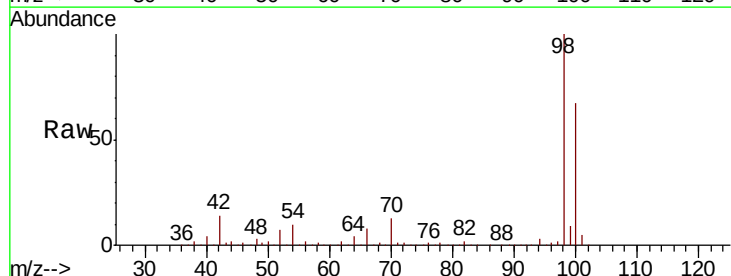
Instrument :
MSVOA_X
ClientSampleId :
T3-S-B3-(2.5)

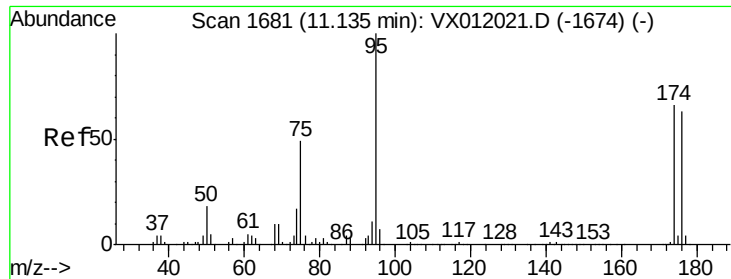
Tgt Ion: 88 Resp: 19
Ion Ratio Lower Upper
88 100
43 0.0 29.8 44.6#
58 0.0 55.4 83.2#



#50
Toluene-d8
Concen: 52.164 ug/l
RT: 8.71 min Scan# 1283
Delta R.T. -0.00 min
Lab File: VX012111.D
Acq: 05 Sep 2019 19:58

Tgt Ion: 98 Resp: 320803
Ion Ratio Lower Upper
98 100
100 67.3 53.3 79.9

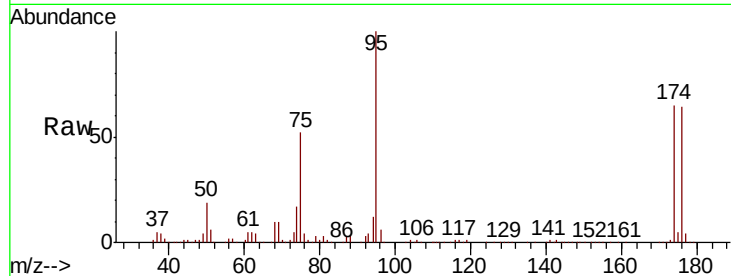




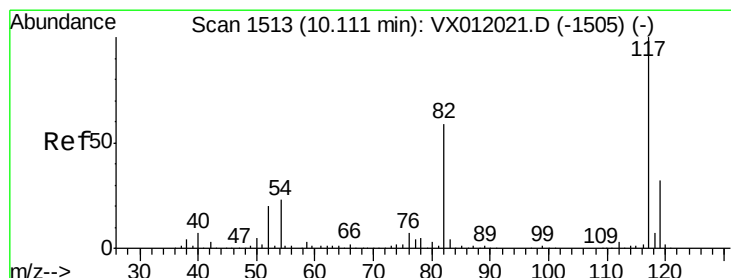
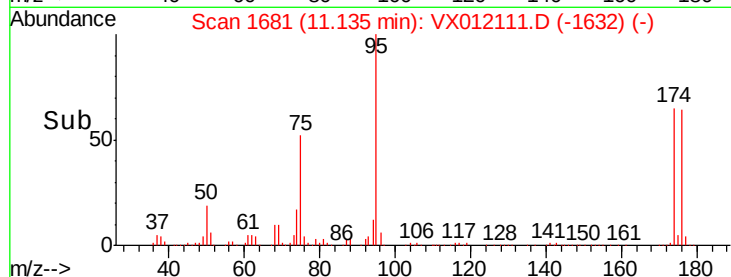
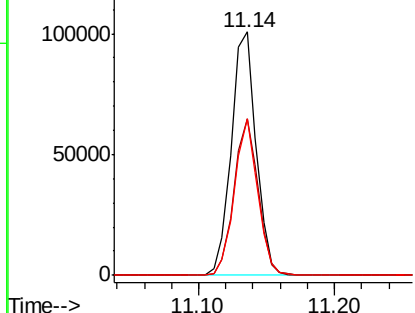
#62
4-Bromofluorobenzene
Concen: 44.745 ug/l
RT: 11.14 min Scan# 1681
Delta R.T. -0.00 min
Lab File: VX012111.D
Acq: 05 Sep 2019 19:58

Instrument :
MSVOA_X
ClientSampled :
T3-S-B3-(2.5)

Tgt Ion: 95 Resp: 127974
Ion Ratio Lower Upper
95 100
174 62.4 0.0 205.4
176 60.2 0.0 201.8

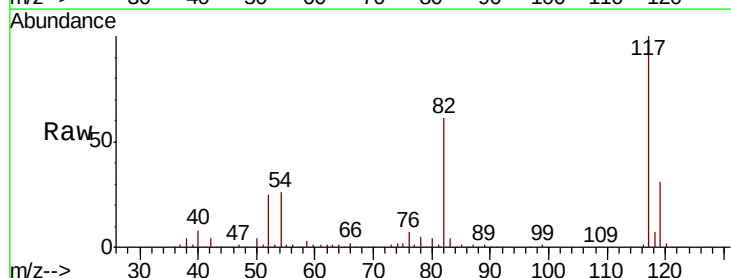


Abundance Ion 94.90 (94.60 to 95.60): VX0
Ion 173.80 (173.50 to 174.50): V
Ion 175.80 (175.50 to 176.50): V

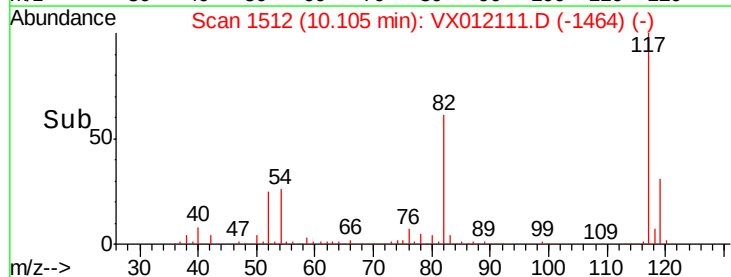
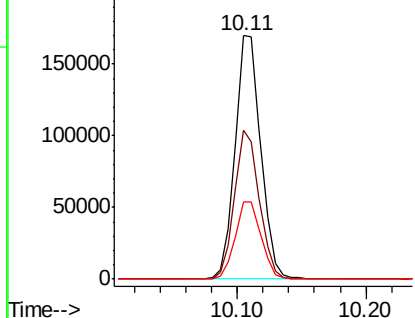


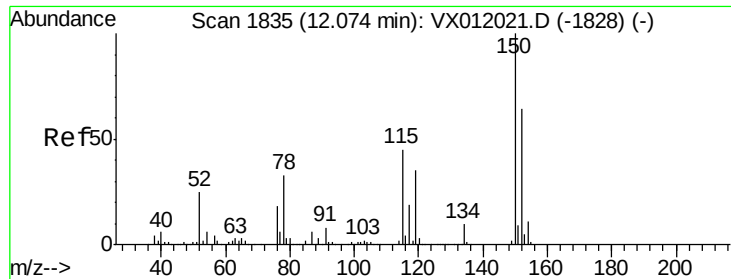
#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 10.11 min Scan# 1512
Delta R.T. -0.01 min
Lab File: VX012111.D
Acq: 05 Sep 2019 19:58

Tgt Ion: 117 Resp: 235831
Ion Ratio Lower Upper
117 100
82 61.1 39.4 59.0#
119 31.5 26.1 39.1



Abundance Ion 116.90 (116.60 to 117.60): V
Ion 82.00 (81.70 to 82.70): VX0
Ion 118.90 (118.60 to 119.60): V





#72

1,4-Dichlorobenzene-d4

Concen: 50.000 ug/l

RT: 12.07 min Scan# 1835

Delta R.T. -0.00 min

Lab File: VX012111.D

Acq: 05 Sep 2019 19:58

Instrument :

MSVOA_X

ClientSampleId :

T3-S-B3-(2.5)

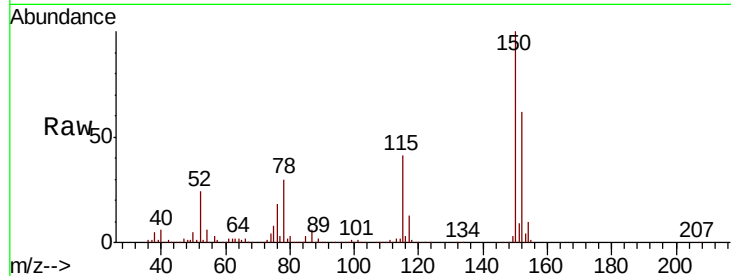
Tgt Ion:152 Resp: 99563

Ion Ratio Lower Upper

152 100

115 65.5 36.4 109.3

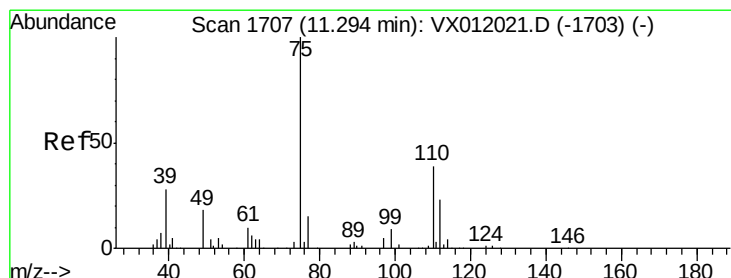
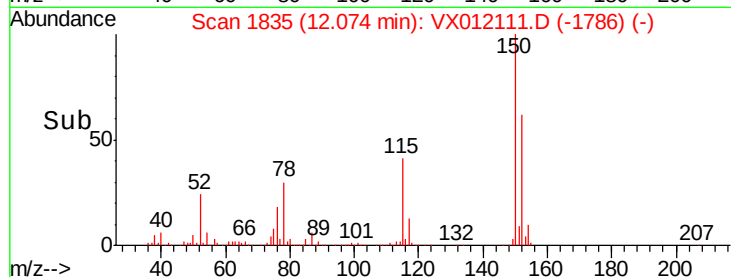
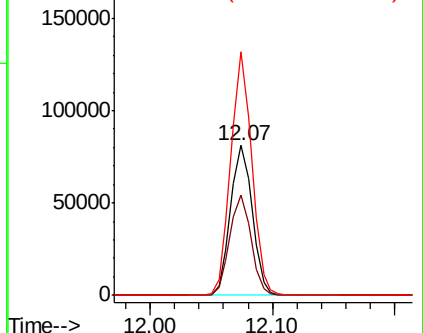
150 157.0 0.0 341.2



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: 55.090 ug/l

RT: 11.14 min Scan# 1681

Delta R.T. -0.16 min

Lab File: VX012111.D

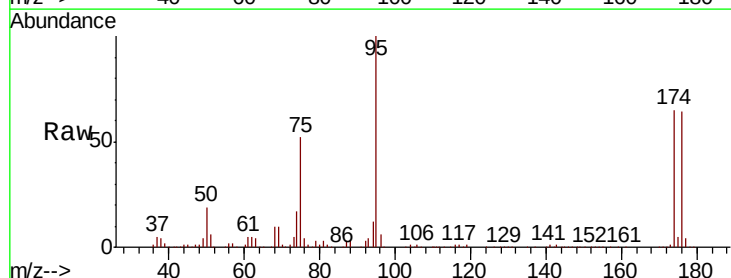
Acq: 05 Sep 2019 19:58

Tgt Ion: 75 Resp: 67018

Ion Ratio Lower Upper

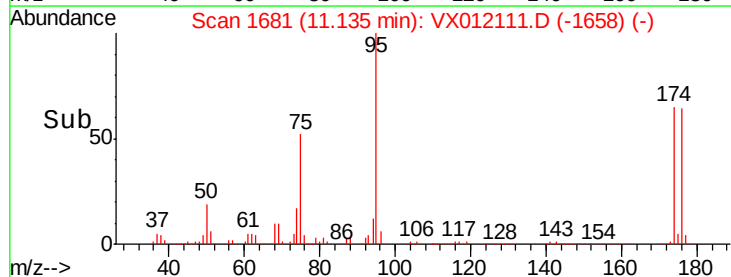
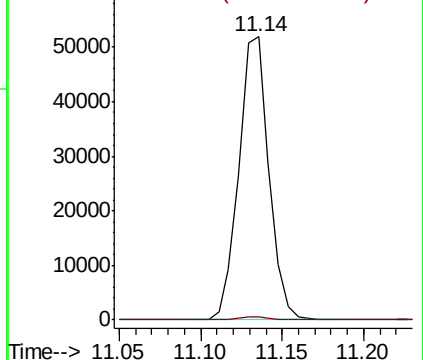
75 100

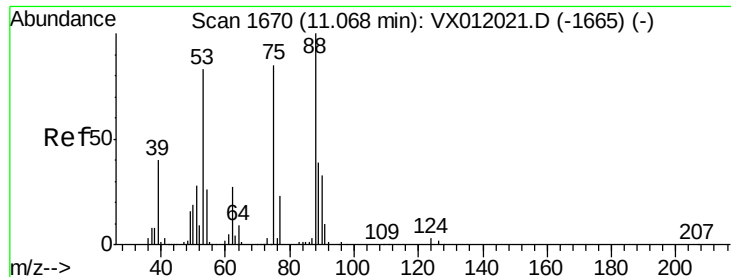
77 1.1 23.5 70.5#



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: 130.242 ug/l

RT: 11.14 min Scan# 1681

Delta R.T. 0.07 min

Lab File: VX012111.D

Acq: 05 Sep 2019 19:58

Instrument :

MSVOA_X

ClientSampleId :

T3-S-B3-(2.5)

Tgt Ion: 75 Resp: 67018

Ion Ratio Lower Upper

75 100

53 0.0 78.6 117.8#

89 0.0 38.8 58.2#

