

Data Path : Z:\VOASRV\HPCHEM1\MSVOA_X\DATA\VO090519\
 Data File : VX012110.D
 Acq On : 05 Sep 2019 19:30
 Operator : SY/SP
 Sample : K4546-14RE
 Misc : 6.16g/5.0mL/MSVOA_X/SOIL
 ALS Vial : 20 Sample Multiplier: 1

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

Quant Time: Sep 06 05:44:46 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

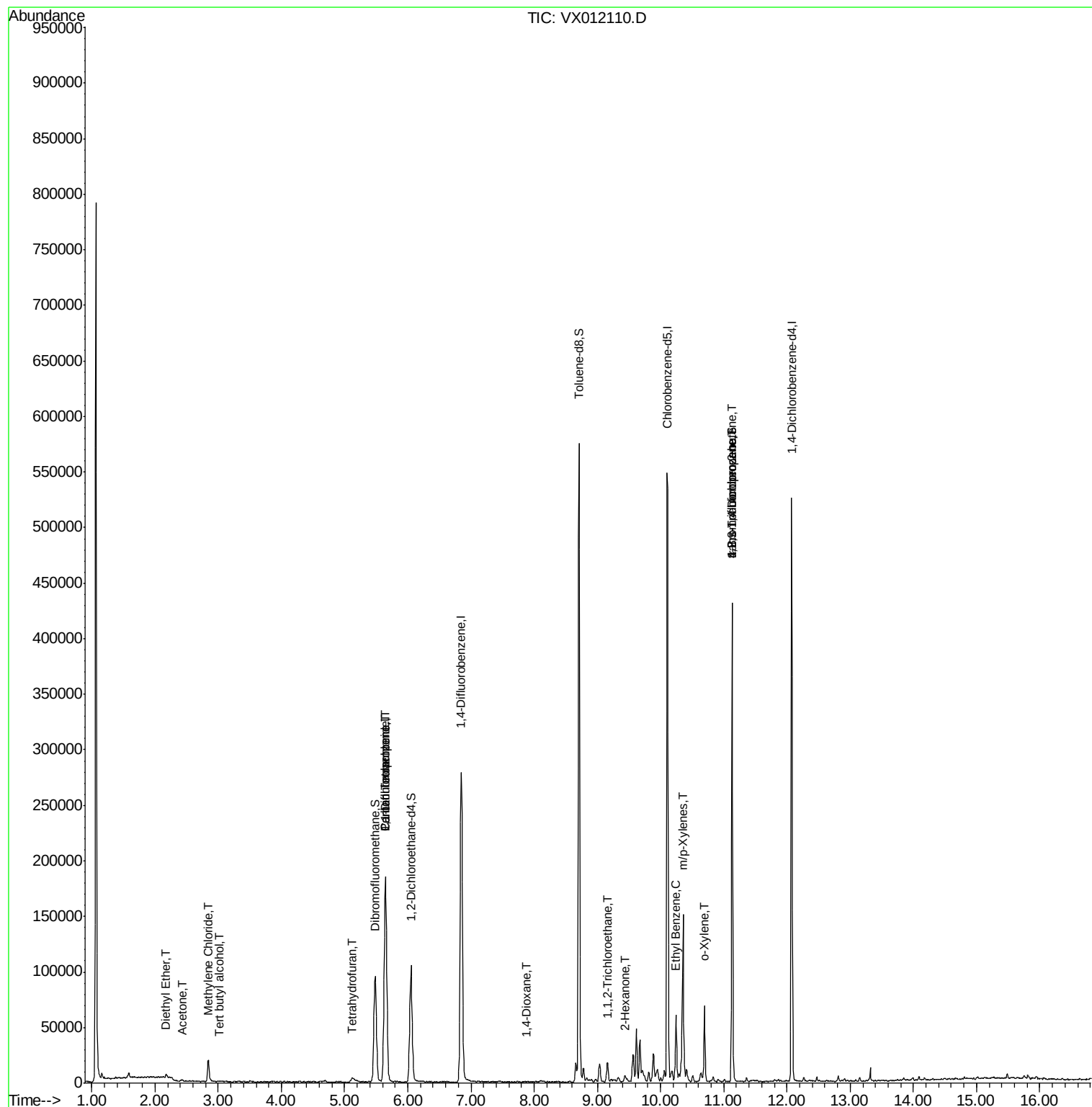
Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Pentafluorobenzene	5.65	168	157252	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	6.85	114	272339	50.00	ug/l	0.00
63) Chlorobenzene-d5	10.11	117	234335	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	12.07	152	95950	50.00	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	6.05	65	105447	48.60	ug/l	0.00
Spiked Amount 50.000			Recovery	=	97.20%	
35) Dibromofluoromethane	5.48	113	81117	48.43	ug/l	0.00
Spiked Amount 50.000			Recovery	=	96.86%	
50) Toluene-d8	8.71	98	320345	52.12	ug/l	0.00
Spiked Amount 50.000			Recovery	=	104.24%	
62) 4-Bromofluorobenzene	11.13	95	122293	42.79	ug/l	0.00
Spiked Amount 50.000			Recovery	=	85.58%	
Target Compounds						
					Qvalue	
8) Diethyl Ether	2.17	74	897	1.196	ug/l	78
11) Tert butyl alcohol	3.02	59	1145	5.494	ug/l #	85
13) Acrolein	2.27	56	322	Below Cal	#	12
16) Acetone	2.43	43	1352	2.607	ug/l #	84
20) Methylene Chloride	2.84	84	9176	4.406	ug/l	94
29) Tetrahydrofuran	5.12	42	1456	3.661	ug/l #	1
36) 1,1-Dichloropropene	5.64	75	14211	5.925	ug/l #	49
38) Carbon Tetrachloride	5.65	117	18545	7.337	ug/l #	15
49) 1,4-Dioxane	7.87	88	19	1.045	ug/l #	5
55) 1,1,2-Trichloroethane	9.16	97	5442	3.665	ug/l #	21
59) 2-Hexanone	9.44	43	1915	1.945	ug/l #	26
67) Ethyl Benzene	10.25	91	25897	3.073	ug/l	98
68) m/p-Xylenes	10.36	106	32201	10.370	ug/l	89
69) o-Xylene	10.70	106	13787	4.579	ug/l	84
76) 1,2,3-Trichloropropane	11.13	75	64068	54.649	ug/l #	31
81) trans-1,4-Dichloro-2-buten	11.13	75	64068	129.198	ug/l #	10

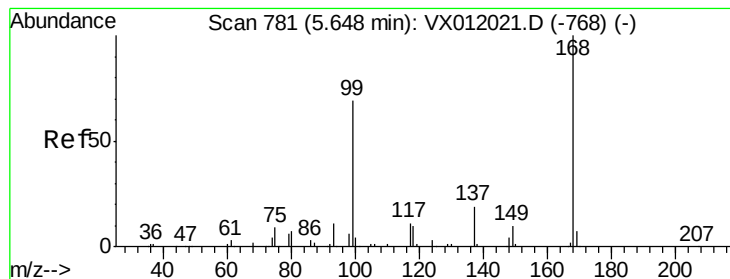
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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QLast Update : Tue Sep 03 15:26:48 2019
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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: VX012110.D

Acq: 05 Sep 2019 19:30

Instrument :

MSVOA_X

ClientSampleId :

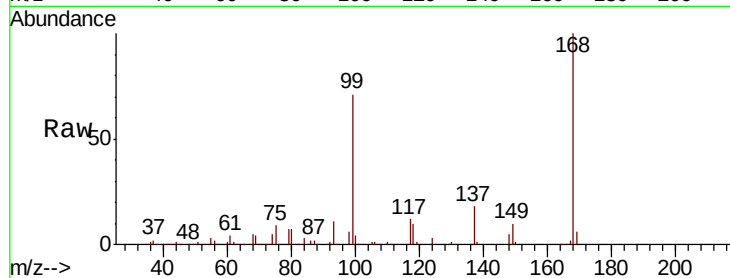
T3-S-B1-(2.5)

Tgt Ion:168 Resp: 157252

Ion Ratio Lower Upper

168 100

99 70.7 37.6 56.4#



Abundance Ion 167.90 (167.60 to 168.60): V

Ion 98.90 (98.60 to 99.60): VX0

5.65

60000

50000

40000

30000

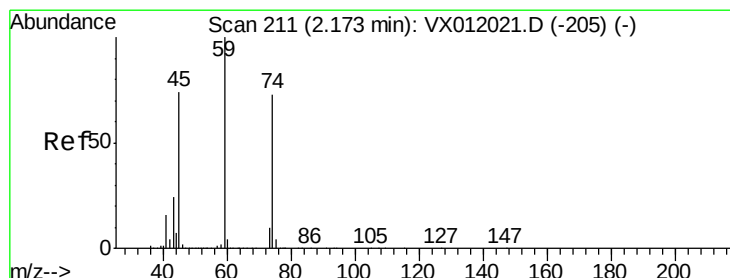
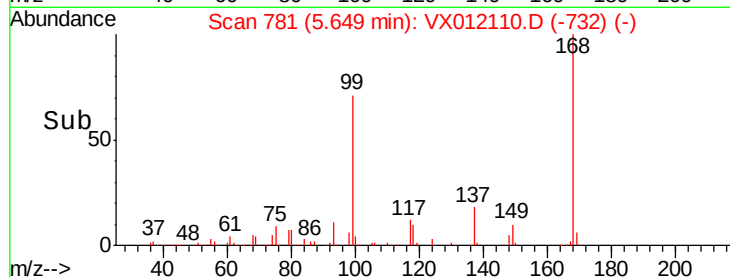
20000

10000

0

Time-->

5.50 5.60 5.70



#8

Diethyl Ether

Concen: 1.196 ug/l

RT: 2.17 min Scan# 211

Delta R.T. -0.00 min

Lab File: VX012110.D

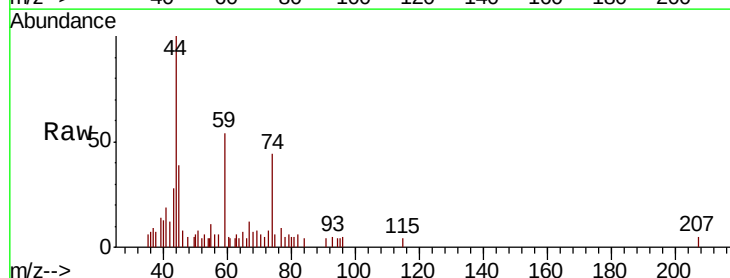
Acq: 05 Sep 2019 19:30

Tgt Ion: 74 Resp: 897

Ion Ratio Lower Upper

74 100

45 112.6 45.9 137.6



Abundance Ion 74.00 (73.70 to 74.70): VX0

Ion 45.00 (44.70 to 45.70): VX0

2.17

600

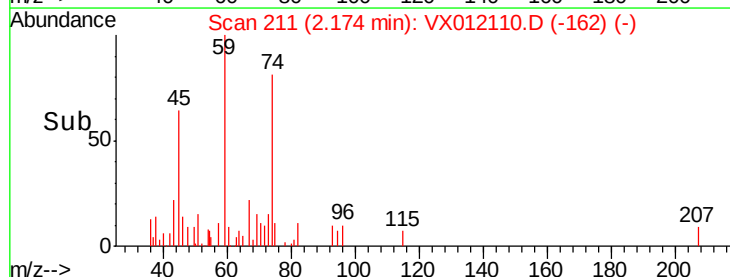
400

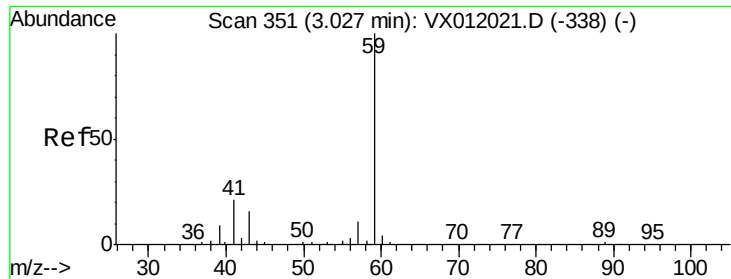
200

0

Time-->

2.15 2.20

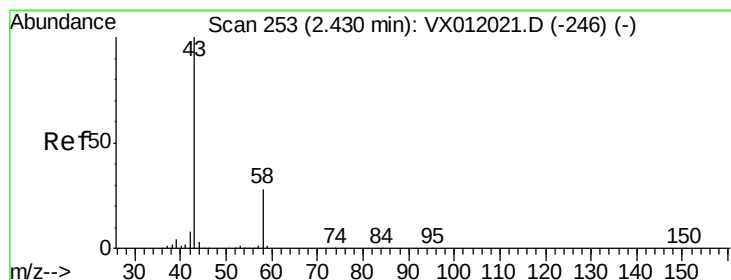
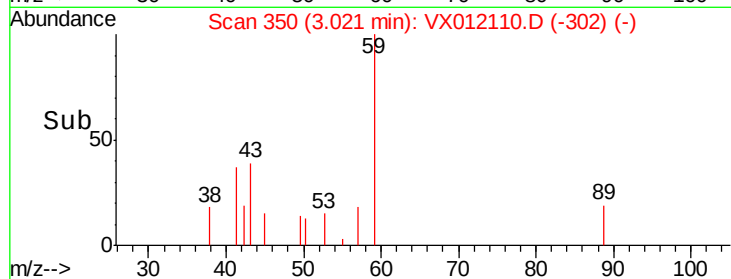
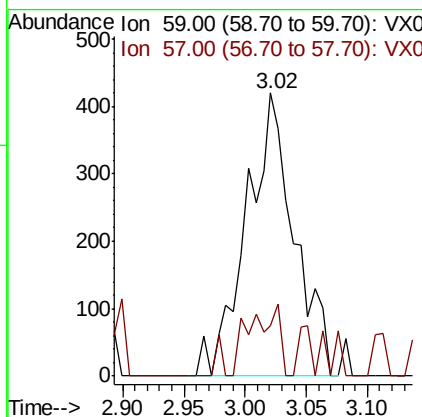
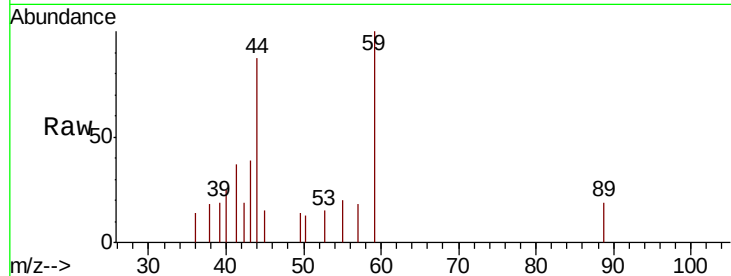




#11
Tert butyl alcohol
Concen: 5.494 ug/l
RT: 3.02 min Scan# 350
Delta R.T. -0.01 min
Lab File: VX012110.D
Acq: 05 Sep 2019 19:30

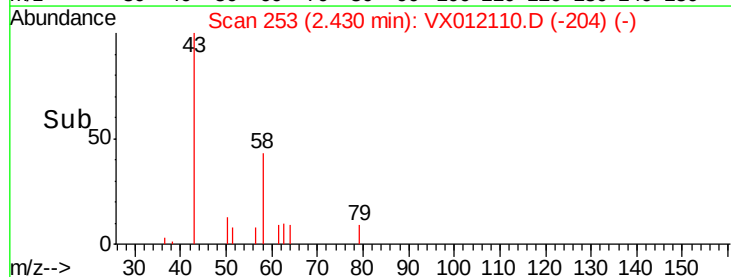
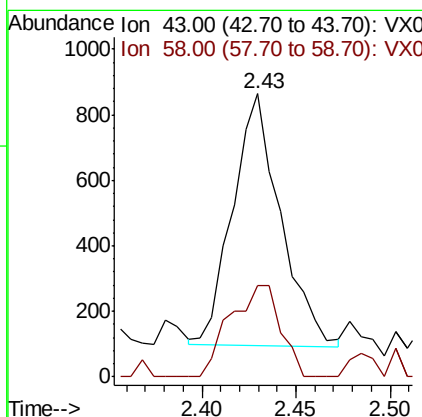
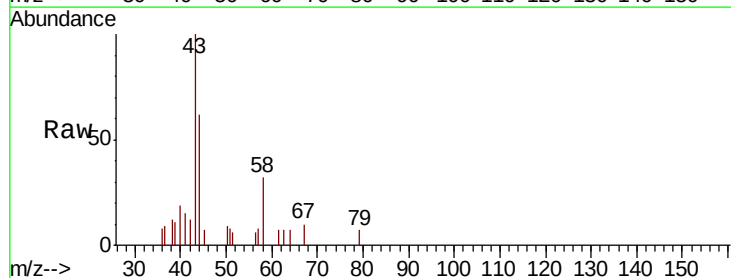
Instrument :
MSVOA_X
ClientSampleId :
T3-S-B1-(2.5)

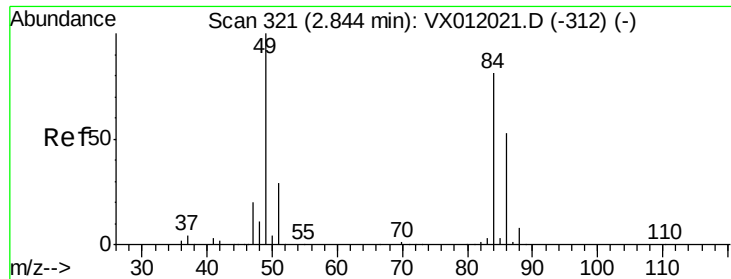
Tgt Ion: 59 Resp: 1145
Ion Ratio Lower Upper
59 100
57 15.5 7.9 11.9#



#16
Acetone
Concen: 2.607 ug/l
RT: 2.43 min Scan# 253
Delta R.T. -0.00 min
Lab File: VX012110.D
Acq: 05 Sep 2019 19:30

Tgt Ion: 43 Resp: 1352
Ion Ratio Lower Upper
43 100
58 37.2 22.8 34.2#

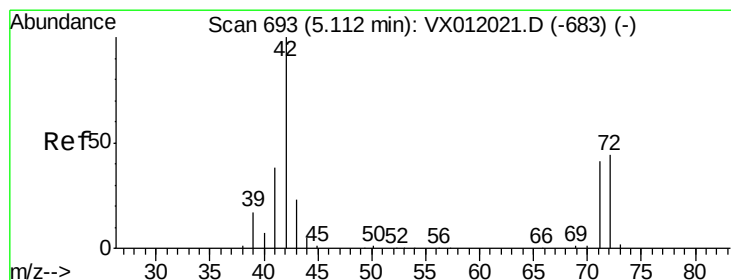
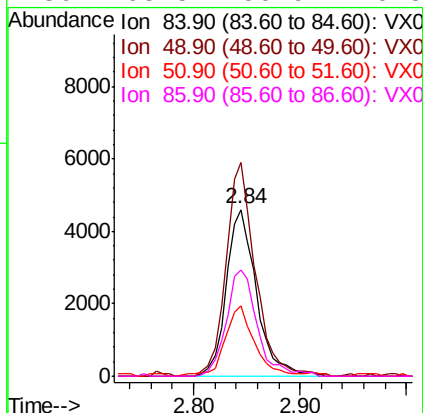
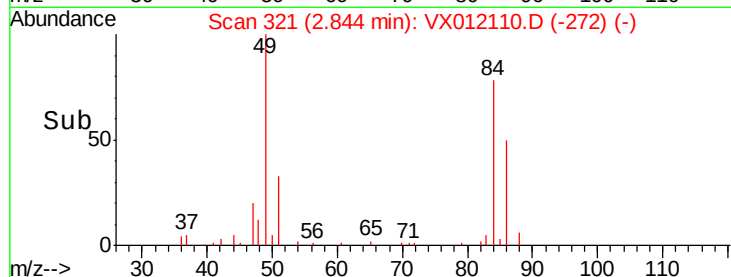
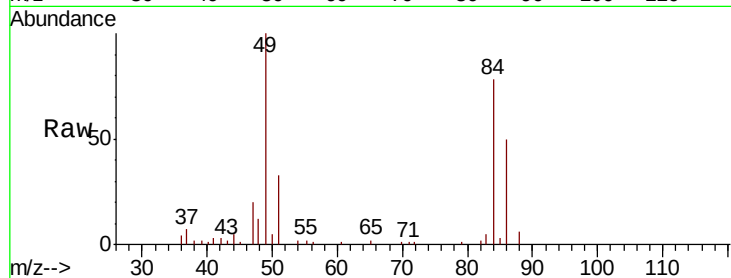




#20
Methylene Chloride
Concen: 4.406 ug/l
RT: 2.84 min Scan# 321
Delta R.T. -0.00 min
Lab File: VX012110.D
Acq: 05 Sep 2019 19:30

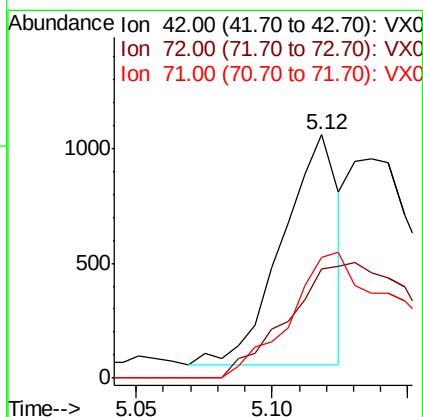
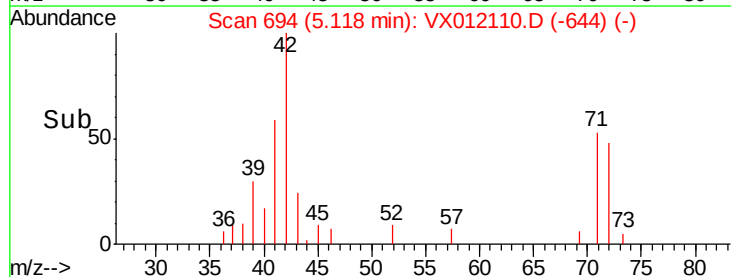
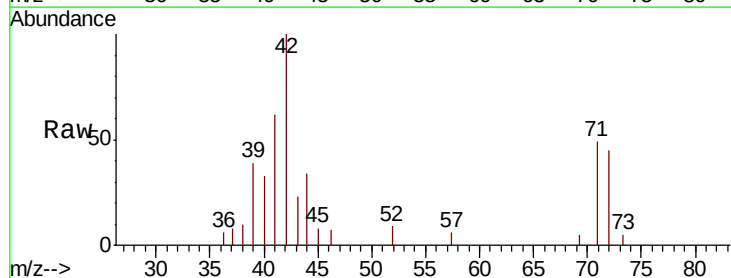
Instrument :
MSVOA_X
ClientSampled :
T3-S-B1-(2.5)

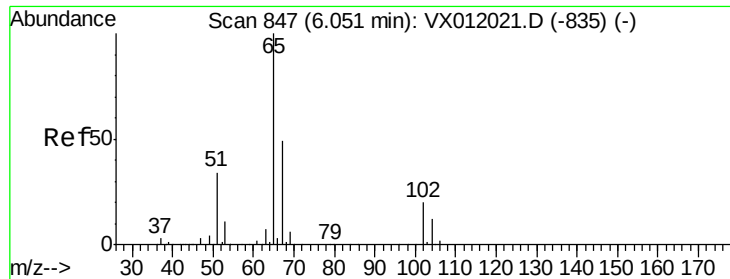
Tgt Ion:	84	Resp:	9176
Ion	Ratio	Lower	Upper
84	100		
49	128.0	95.8	143.8
51	41.9	28.6	43.0
86	63.5	50.9	76.3



#29
Tetrahydrofuran
Concen: 3.661 ug/l
RT: 5.12 min Scan# 694
Delta R.T. 0.01 min
Lab File: VX012110.D
Acq: 05 Sep 2019 19:30

Tgt Ion:	42	Resp:	1456
Ion	Ratio	Lower	Upper
42	100		
72	110.2	37.0	55.4#
71	112.9	33.8	50.8#

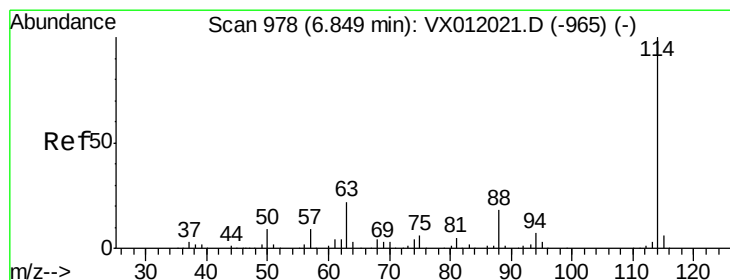
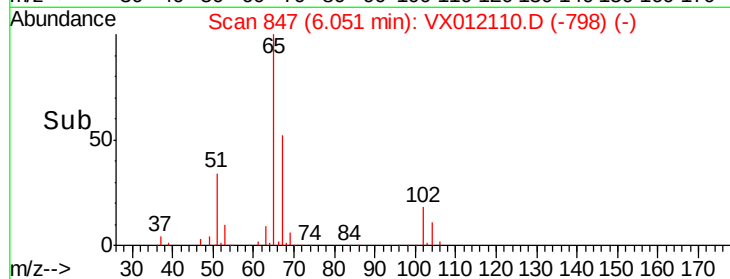
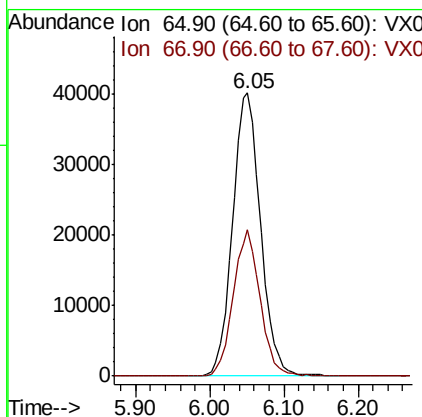
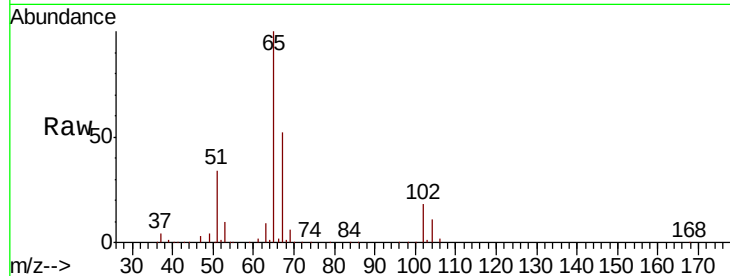




#33
 1,2-Dichloroethane-d4
 Concen: 48.598 ug/l
 RT: 6.05 min Scan# 847
 Delta R.T. -0.00 min
 Lab File: VX012110.D
 Acq: 05 Sep 2019 19:30

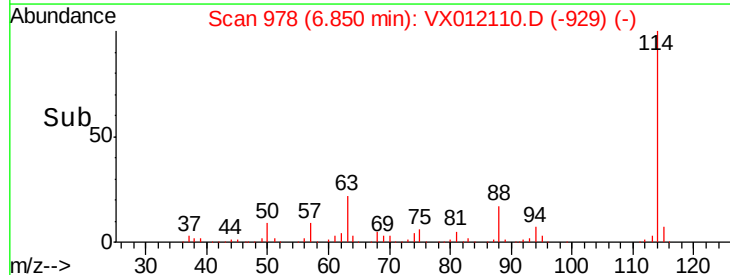
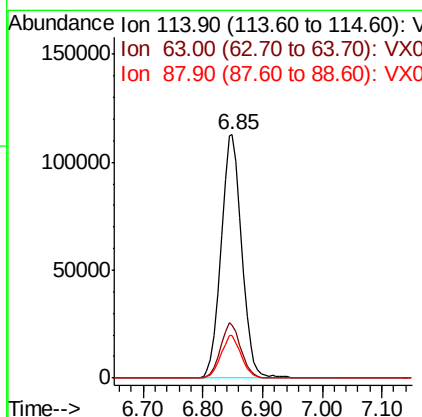
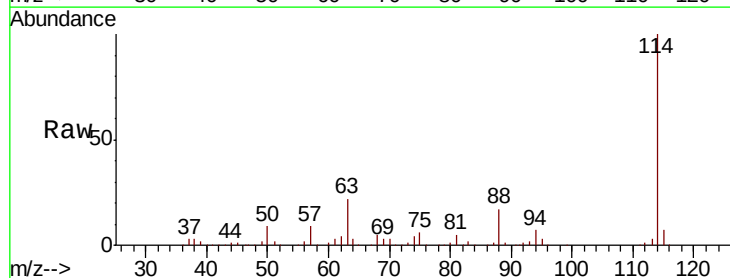
Instrument :
 MSVOA_X
 ClientSampleId :
 T3-S-B1-(2.5)

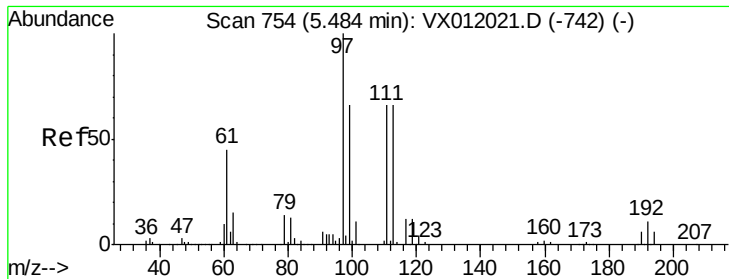
Tgt Ion: 65 Resp: 105447
 Ion Ratio Lower Upper
 65 100
 67 49.4 0.0 102.0



#34
 1,4-Difluorobenzene
 Concen: 50.000 ug/l
 RT: 6.85 min Scan# 978
 Delta R.T. -0.00 min
 Lab File: VX012110.D
 Acq: 05 Sep 2019 19:30

Tgt Ion: 114 Resp: 272339
 Ion Ratio Lower Upper
 114 100
 63 21.8 0.0 37.4
 88 17.3 0.0 29.6

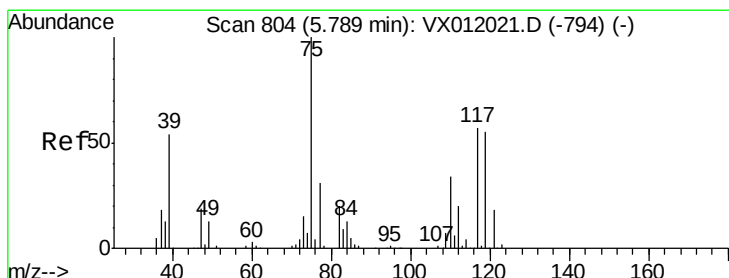
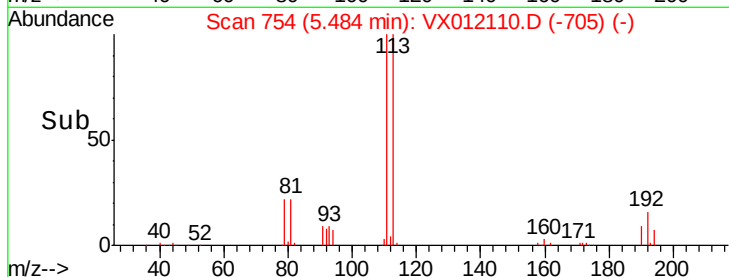
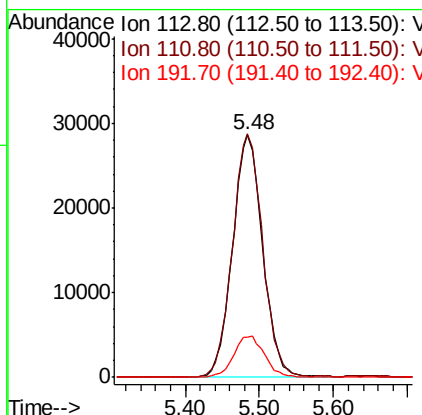
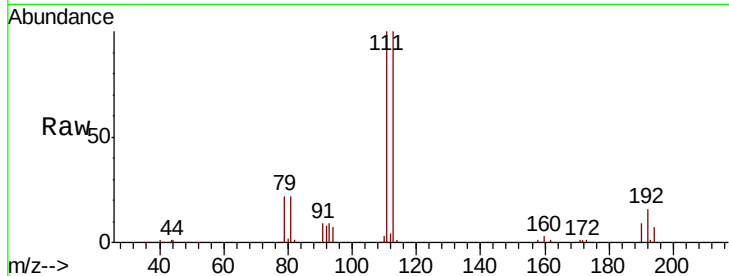




#35
 Dibromofluoromethane
 Concen: 48.434 ug/l
 RT: 5.48 min Scan# 754
 Delta R.T. -0.00 min
 Lab File: VX012110.D
 Acq: 05 Sep 2019 19:30

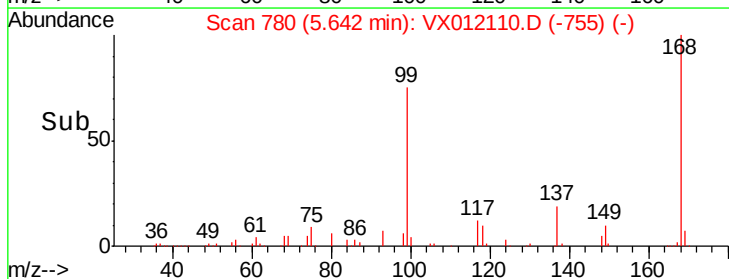
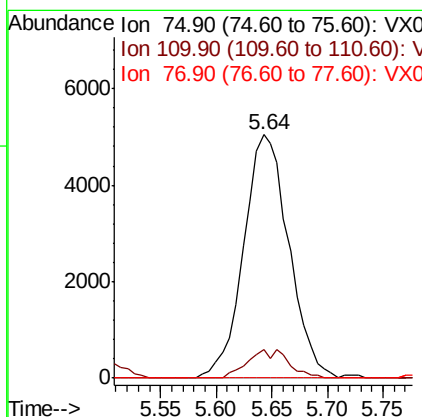
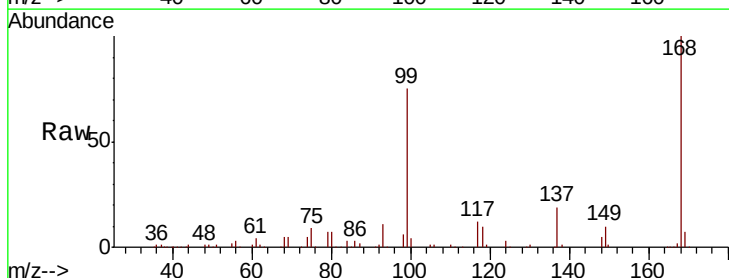
Instrument :
 MSVOA_X
 ClientSampleId :
 T3-S-B1-(2.5)

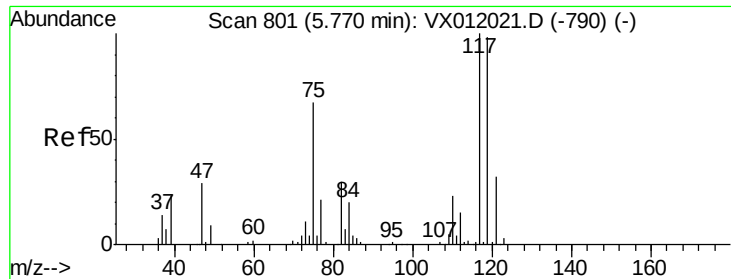
Tgt Ion:113 Resp: 81117
 Ion Ratio Lower Upper
 113 100
 111 100.7 81.7 122.5
 192 17.2 22.5 33.7#



#36
 1,1-Dichloropropene
 Concen: 5.925 ug/l
 RT: 5.64 min Scan# 780
 Delta R.T. -0.15 min
 Lab File: VX012110.D
 Acq: 05 Sep 2019 19:30

Tgt Ion: 75 Resp: 14211
 Ion Ratio Lower Upper
 75 100
 110 10.6 19.5 58.5#
 77 0.0 24.6 37.0#





#38

Carbon Tetrachloride

Concen: 7.337 ug/l

RT: 5.65 min Scan# 781

Delta R.T. -0.12 min

Lab File: VX012110.D

Acq: 05 Sep 2019 19:30

Instrument :

MSVOA_X

ClientSampleId :

T3-S-B1-(2.5)

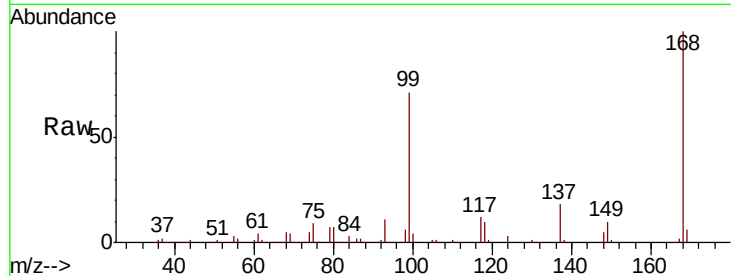
Tgt Ion:117 Resp: 18545

Ion Ratio Lower Upper

117 100

119 4.3 78.3 117.5#

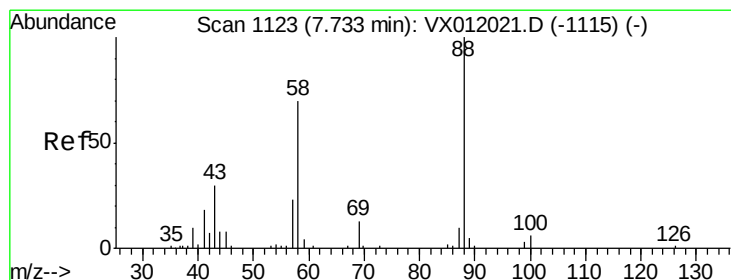
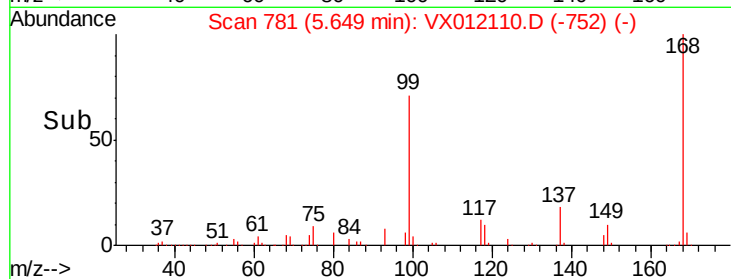
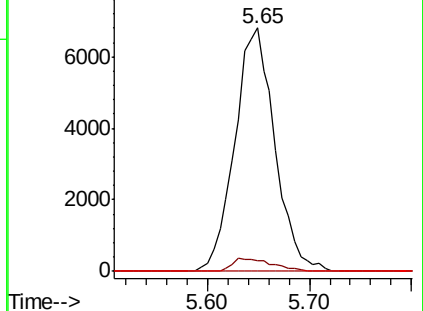
121 0.0 24.2 36.2#



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



#49

1,4-Dioxane

Concen: 1.045 ug/l

RT: 7.87 min Scan# 1146

Delta R.T. 0.15 min

Lab File: VX012110.D

Acq: 05 Sep 2019 19:30

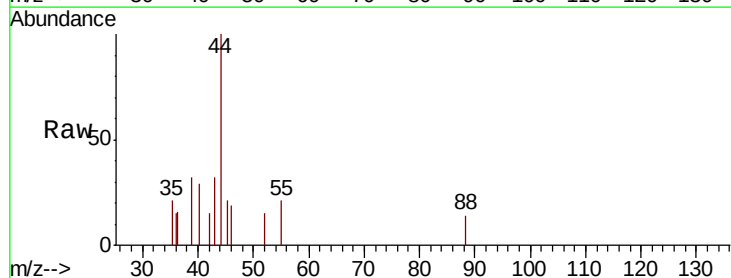
Tgt Ion: 88 Resp: 19

Ion Ratio Lower Upper

88 100

43 136.8 29.8 44.6#

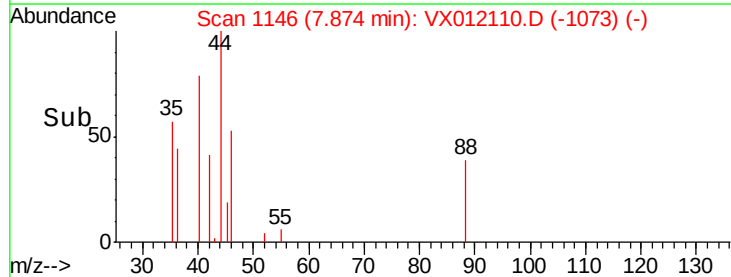
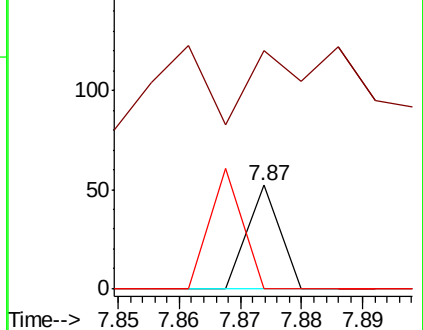
58 115.8 55.4 83.2#

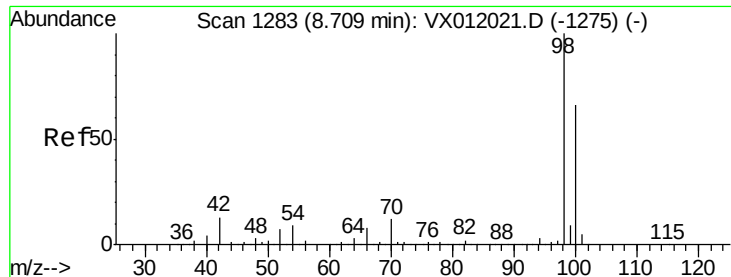


Abundance Ion 88.00 (87.70 to 88.70): VX0

Ion 43.00 (42.70 to 43.70): VX0

Ion 58.00 (57.70 to 58.70): VX0

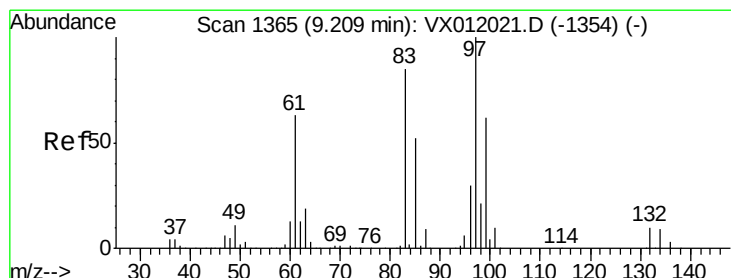
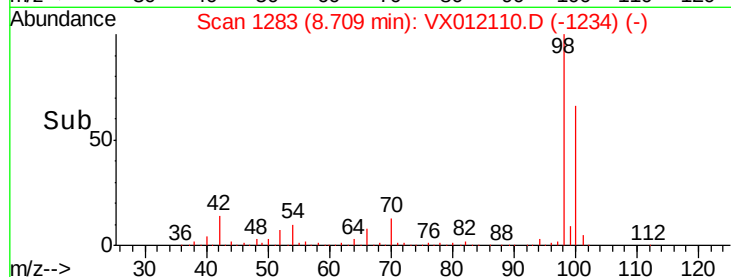
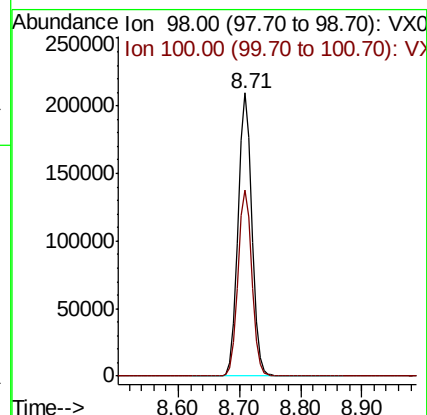
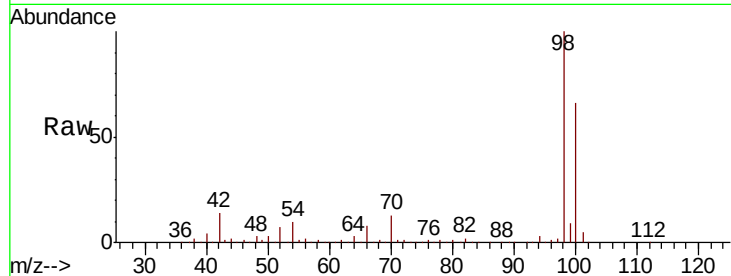




#50
Toluene-d8
Concen: 52.124 ug/l
RT: 8.71 min Scan# 1283
Delta R.T. -0.00 min
Lab File: VX012110.D
Acq: 05 Sep 2019 19:30

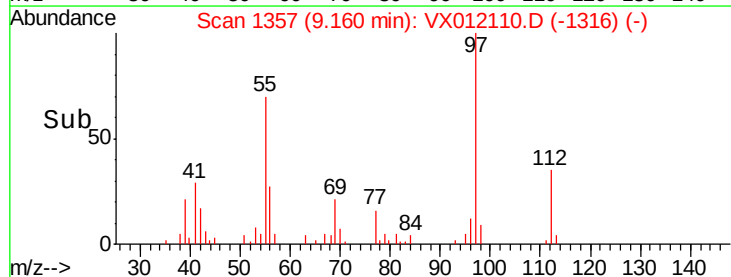
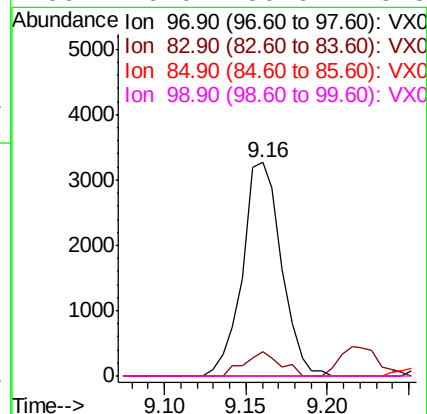
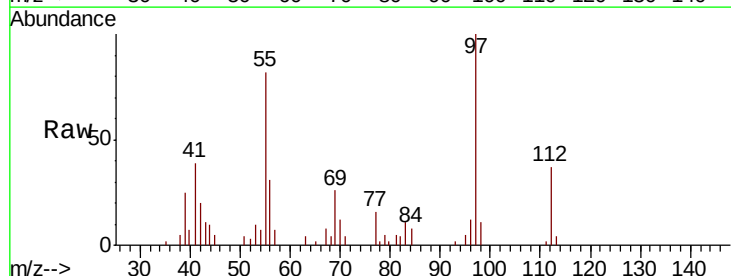
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MSVOA_X
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T3-S-B1-(2.5)

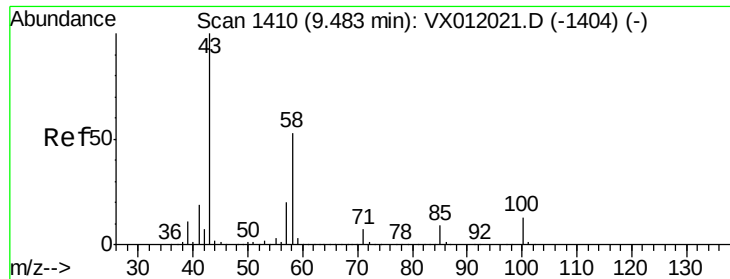
Tgt Ion: 98 Resp: 320345
Ion Ratio Lower Upper
98 100
100 66.2 53.3 79.9



#55
1,1,2-Trichloroethane
Concen: 3.665 ug/l
RT: 9.16 min Scan# 1357
Delta R.T. -0.05 min
Lab File: VX012110.D
Acq: 05 Sep 2019 19:30

Tgt Ion: 97 Resp: 5442
Ion Ratio Lower Upper
97 100
83 11.1 66.0 99.0#
85 0.0 41.0 61.6#
99 0.0 50.6 75.8#

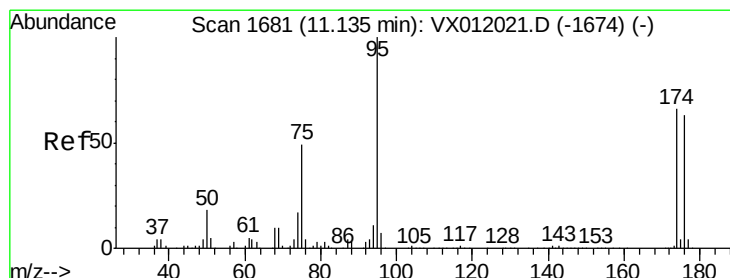
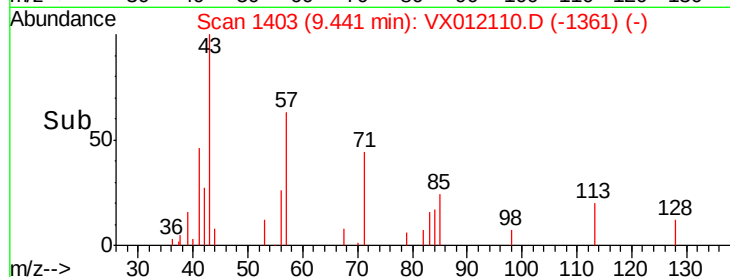
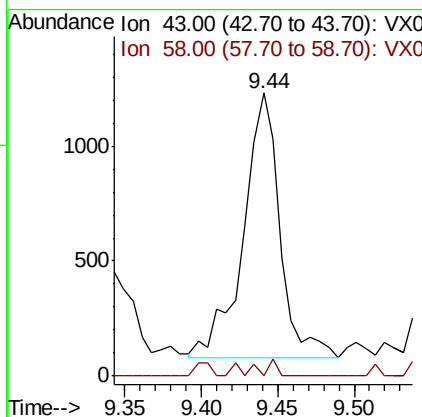
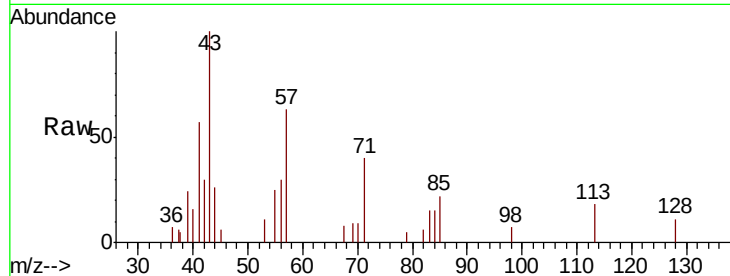




#59
2-Hexanone
Concen: 1.945 ug/l
RT: 9.44 min Scan# 1403
Delta R.T. -0.04 min
Lab File: VX012110.D
Acq: 05 Sep 2019 19:30

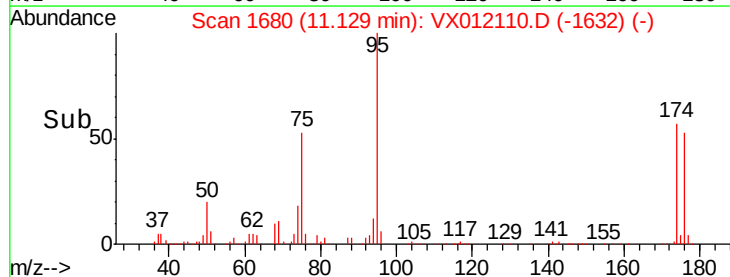
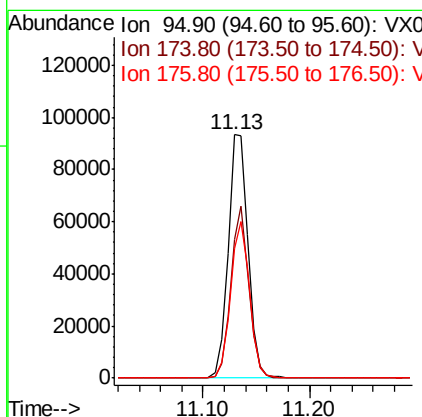
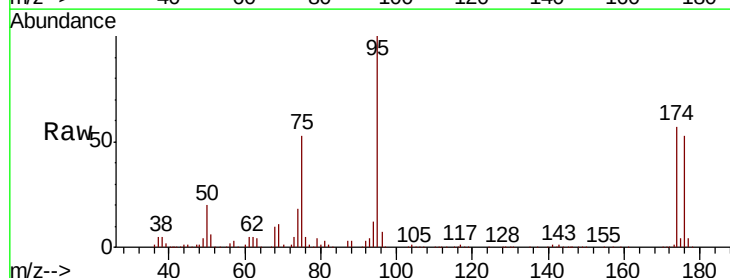
Instrument :
MSVOA_X
ClientSampled :
T3-S-B1-(2.5)

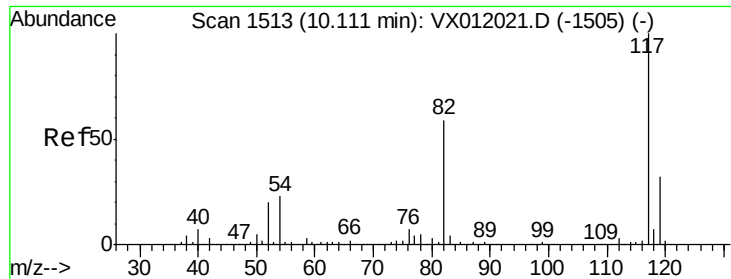
Tgt Ion: 43 Resp: 1915
Ion Ratio Lower Upper
43 100
58 1.0 27.2 81.6#



#62
4-Bromofluorobenzene
Concen: 42.787 ug/l
RT: 11.13 min Scan# 1680
Delta R.T. -0.01 min
Lab File: VX012110.D
Acq: 05 Sep 2019 19:30

Tgt Ion: 95 Resp: 122293
Ion Ratio Lower Upper
95 100
174 64.1 0.0 205.4
176 61.2 0.0 201.8

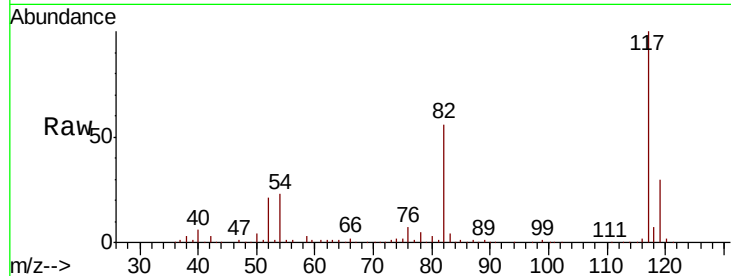




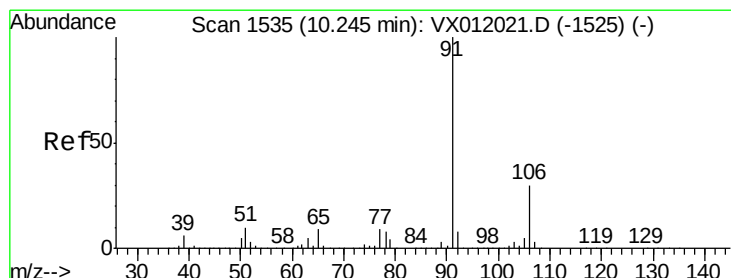
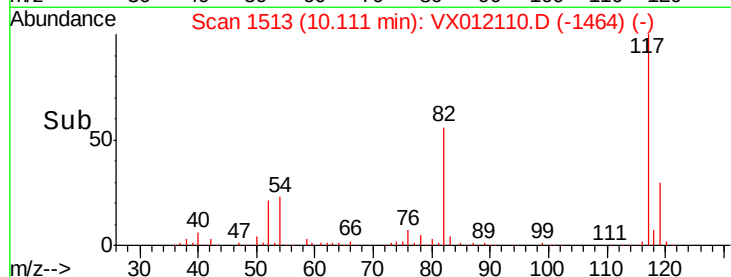
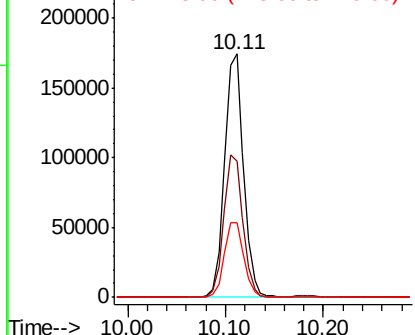
#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 10.11 min Scan# 1513
Delta R.T. -0.00 min
Lab File: VX012110.D
Acq: 05 Sep 2019 19:30

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

Tgt Ion: 117 Resp: 234335
Ion Ratio Lower Upper
117 100
82 55.9 39.4 59.0
119 30.5 26.1 39.1

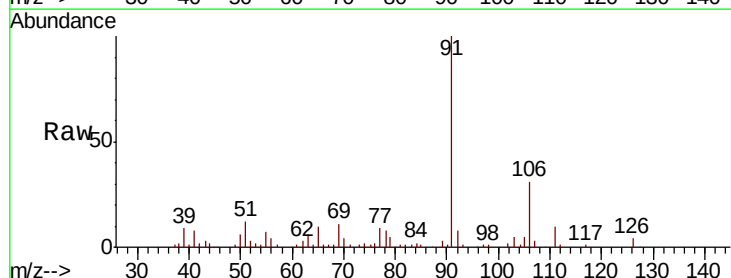


Abundance Ion 116.90 (116.60 to 117.60): V
Ion 82.00 (81.70 to 82.70): VX0
Ion 118.90 (118.60 to 119.60): V

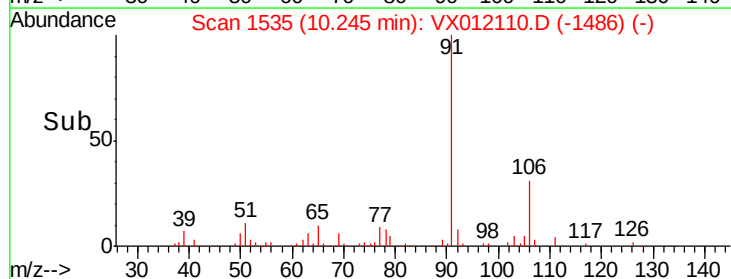
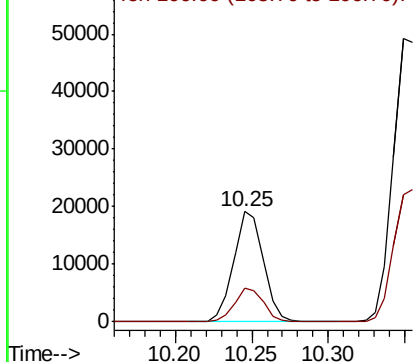


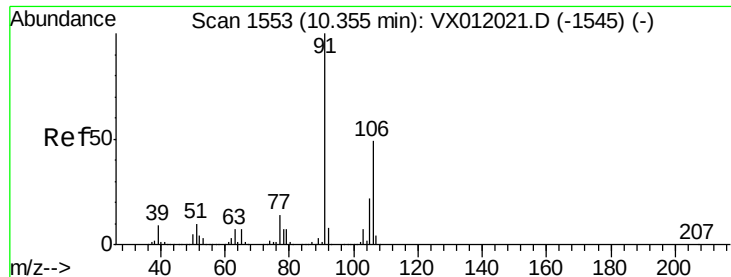
#67
Ethyl Benzene
Concen: 3.073 ug/l
RT: 10.25 min Scan# 1535
Delta R.T. -0.00 min
Lab File: VX012110.D
Acq: 05 Sep 2019 19:30

Tgt Ion: 91 Resp: 25897
Ion Ratio Lower Upper
91 100
106 31.2 25.8 38.8



Abundance Ion 91.00 (90.70 to 91.70): VX0
Ion 106.00 (105.70 to 106.70): V





#68

m/p-Xylenes

Concen: 10.370 ug/l

RT: 10.36 min Scan# 1553

Delta R.T. -0.00 min

Lab File: VX012110.D

Acq: 05 Sep 2019 19:30

Instrument :

MSVOA_X

ClientSampled :

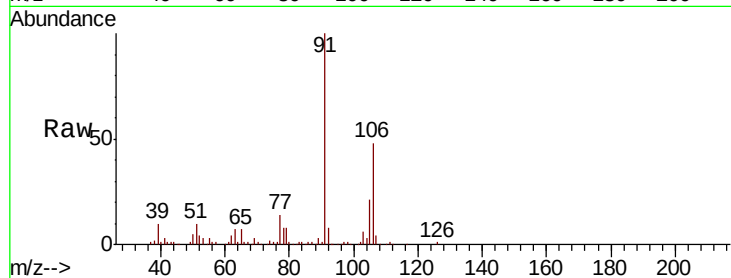
T3-S-B1-(2.5)

Tgt Ion:106 Resp: 32201

Ion Ratio Lower Upper

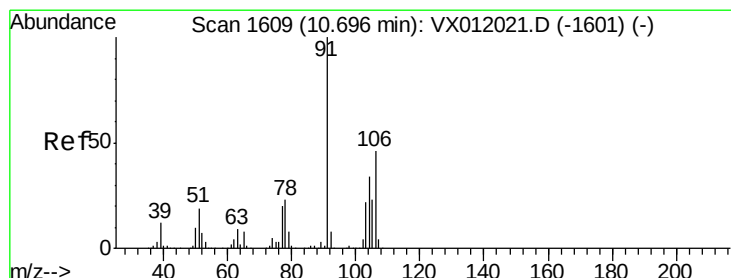
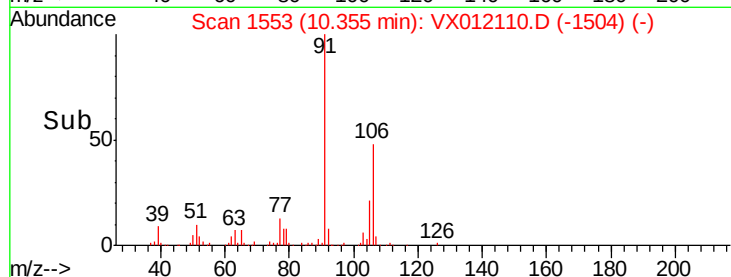
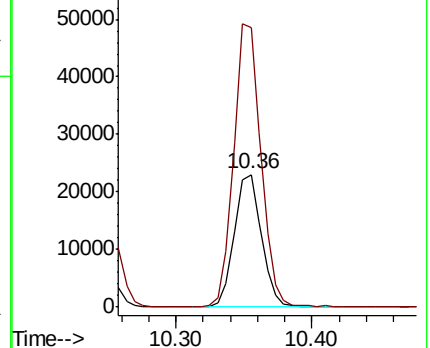
106 100

91 214.1 157.5 236.3



Abundance Ion 106.00 (105.70 to 106.70): V

Ion 91.00 (90.70 to 91.70): VX0



#69

o-Xylene

Concen: 4.579 ug/l

RT: 10.70 min Scan# 1609

Delta R.T. -0.00 min

Lab File: VX012110.D

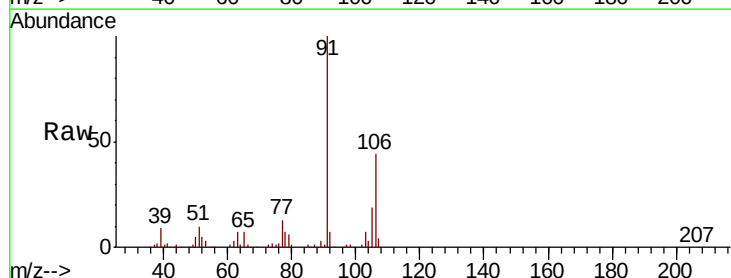
Acq: 05 Sep 2019 19:30

Tgt Ion:106 Resp: 13787

Ion Ratio Lower Upper

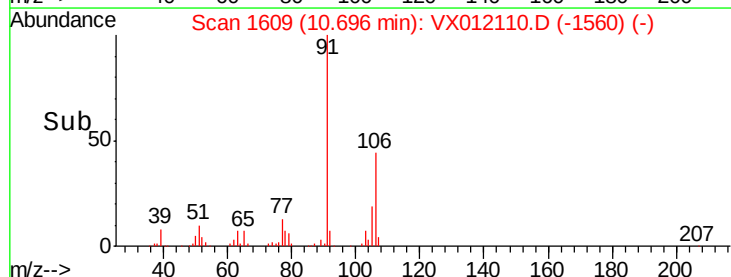
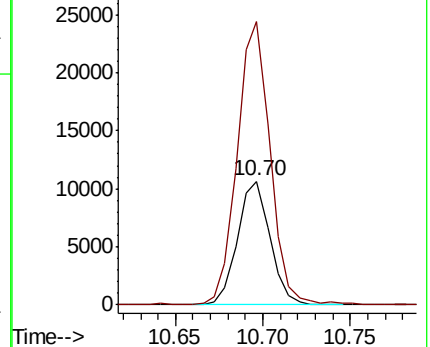
106 100

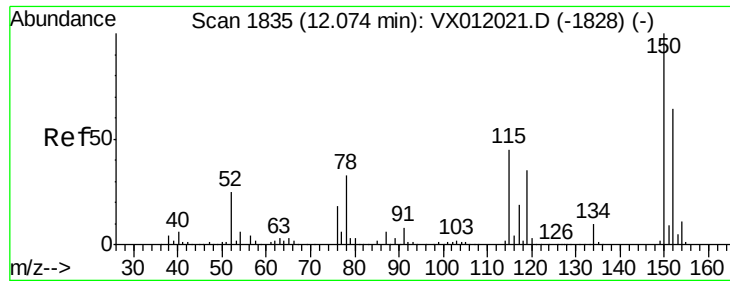
91 231.9 103.5 310.3



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: VX012110.D

Acq: 05 Sep 2019 19:30

Instrument :

MSVOA_X

ClientSampleId :

T3-S-B1-(2.5)

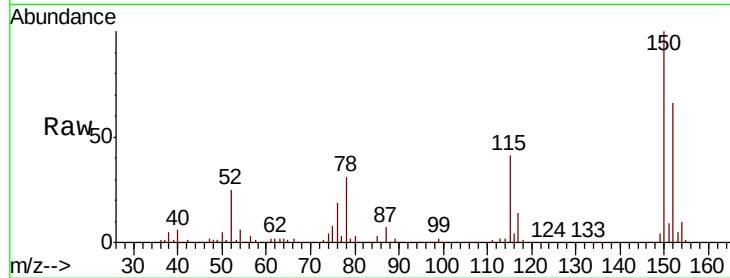
Tgt Ion:152 Resp: 95950

Ion Ratio Lower Upper

152 100

115 65.7 36.4 109.3

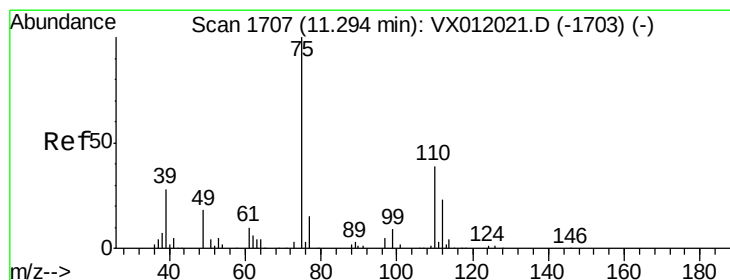
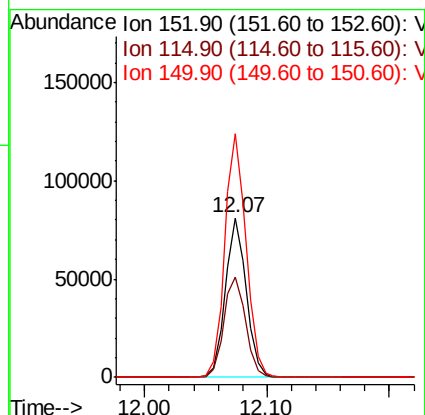
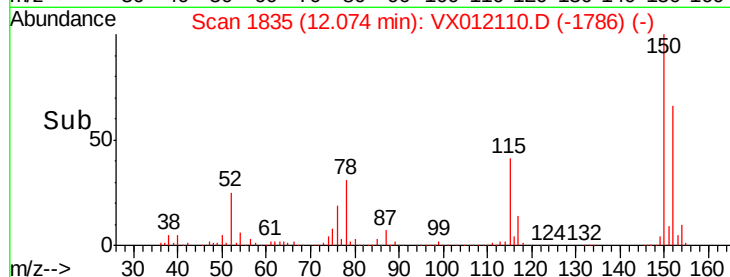
150 155.1 0.0 341.2



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: 54.649 ug/l

RT: 11.13 min Scan# 1680

Delta R.T. -0.16 min

Lab File: VX012110.D

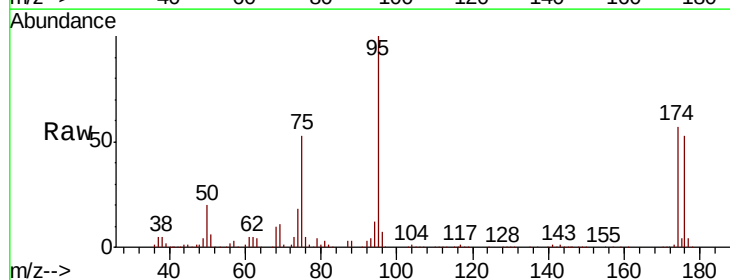
Acq: 05 Sep 2019 19:30

Tgt Ion: 75 Resp: 64068

Ion Ratio Lower Upper

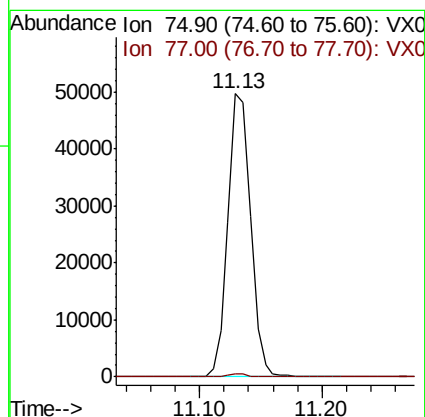
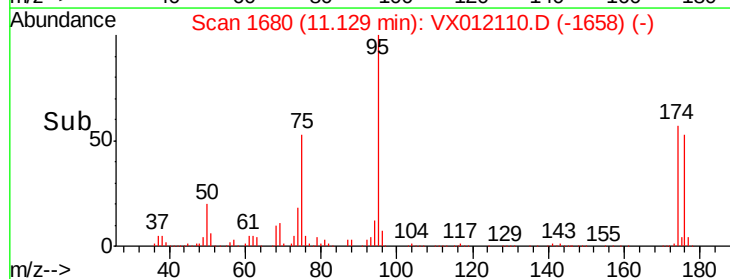
75 100

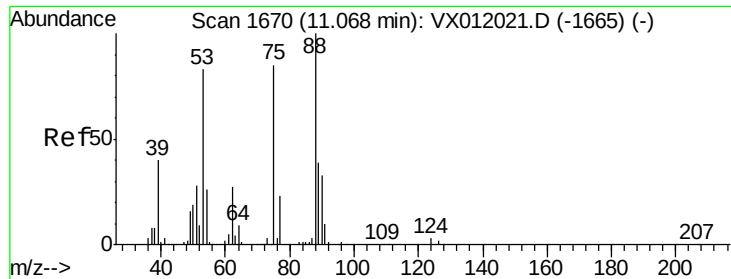
77 1.2 23.5 70.5#



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: 129.198 ug/l
 RT: 11.13 min Scan# 1680
 Delta R.T. 0.06 min
 Lab File: VX012110.D
 Acq: 05 Sep 2019 19:30

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

Tgt Ion: 75 Resp: 64068
 Ion Ratio Lower Upper
 75 100
 53 0.3 78.6 117.8#
 89 0.0 38.8 58.2#

