

Data Path : Z:\VOASRV\HPCHEM1\MSVOA_X\DATA\VX090419\
 Data File : VX012060.D
 Acq On : 04 Sep 2019 19:03
 Operator : SY/SP
 Sample : K4546-08
 Misc : 5.13g/5.0mL/MSVOA_X/SOIL
 ALS Vial : 21 Sample Multiplier: 1

Instrument :
 MSVOA_X
 ClientSampleId :
 T3-S-C4-(2.5)

Quant Time: Sep 05 05:26:06 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	155055	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	6.85	114	273247	50.00	ug/l	0.00
63) Chlorobenzene-d5	10.11	117	227022	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	12.07	152	83992	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	103463	48.36	ug/l	0.00
Spiked Amount			Recovery	=	96.72%	
35) Dibromofluoromethane	5.48	113	81836	48.70	ug/l	0.00
Spiked Amount			Recovery	=	97.40%	
50) Toluene-d8	8.71	98	318834	51.71	ug/l	0.00
Spiked Amount			Recovery	=	103.42%	
62) 4-Bromofluorobenzene	11.14	95	116511	40.63	ug/l	0.00
Spiked Amount			Recovery	=	81.26%	

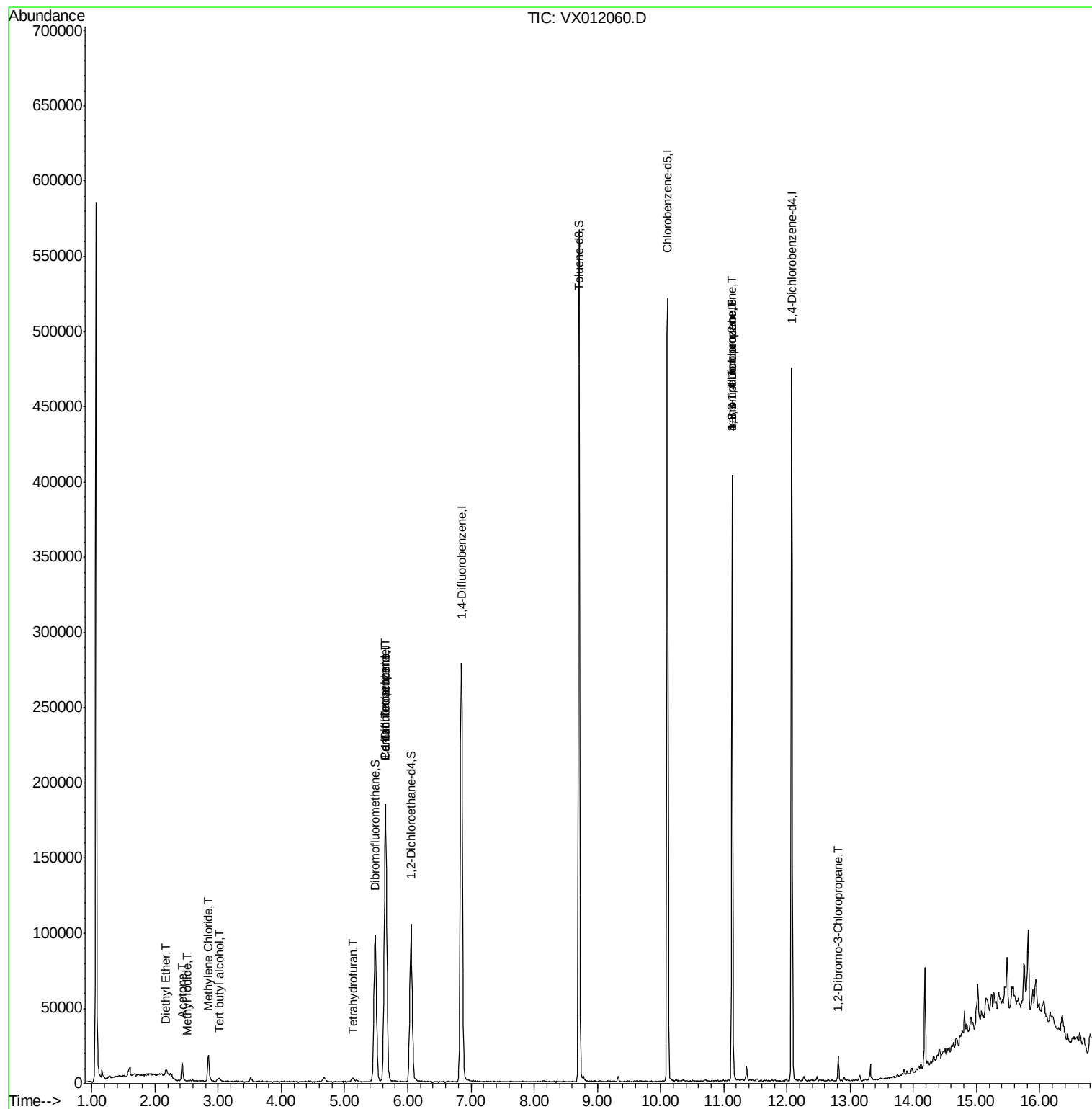
Target Compounds	R.T.	QIon	Response	Conc	Units	Qvalue
8) Diethyl Ether	2.17	74	1341	1.813	ug/l	77
10) Methyl Iodide	2.50	142	40	7.010	ug/l #	82
11) Tert butyl alcohol	3.02	59	2409	11.723	ug/l #	94
13) Acrolein	2.28	56	107	Below Cal	#	1
16) Acetone	2.43	43	12693	24.821	ug/l	92
20) Methylene Chloride	2.84	84	8093	3.941	ug/l	95
29) Tetrahydrofuran	5.12	42	2759	7.035	ug/l	96
36) 1,1-Dichloropropene	5.65	75	14217	5.907	ug/l #	45
38) Carbon Tetrachloride	5.64	117	18512	7.300	ug/l #	14
76) 1,2,3-Trichloropropane	11.13	75	59981	58.447	ug/l #	32
81) trans-1,4-Dichloro-2-buten	11.13	75	59981	138.177	ug/l #	10
92) 1,2-Dibromo-3-Chloropropan	12.81	75	585	2.176	ug/l #	1

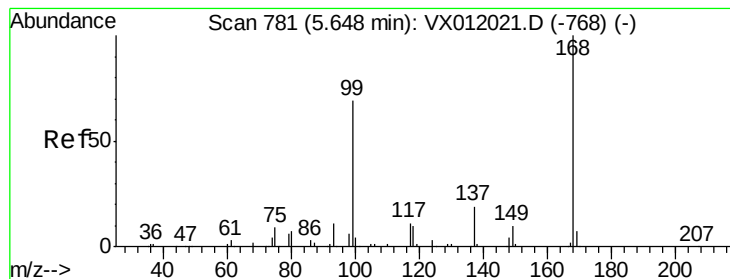
(#) = qualifier out of range (m) = manual integration (+) = signals summed

Data Path : Z:\V0ASRV\HPCHEM1\MSVOA_X\DATA\VX090419\
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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: VX012060.D

Acq: 04 Sep 2019 19:03

Instrument :

MSVOA_X

ClientSampleId :

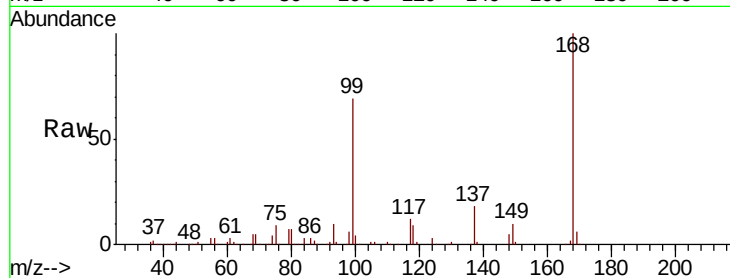
T3-S-C4-(2.5)

Tgt Ion:168 Resp: 155055

Ion Ratio Lower Upper

168 100

99 69.2 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

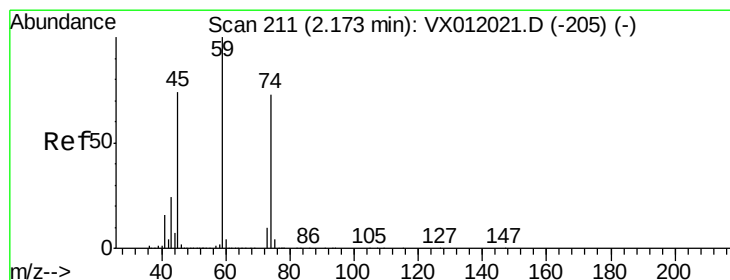
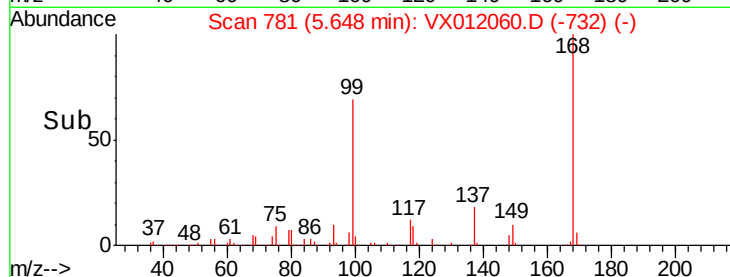
20000

10000

0

Time-->

5.50 5.60 5.70 5.80



#8

Diethyl Ether

Concen: 1.813 ug/l

RT: 2.17 min Scan# 211

Delta R.T. -0.00 min

Lab File: VX012060.D

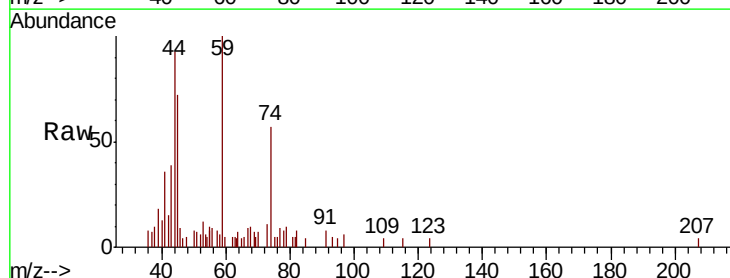
Acq: 04 Sep 2019 19:03

Tgt Ion: 74 Resp: 1341

Ion Ratio Lower Upper

74 100

45 113.2 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

1000

800

600

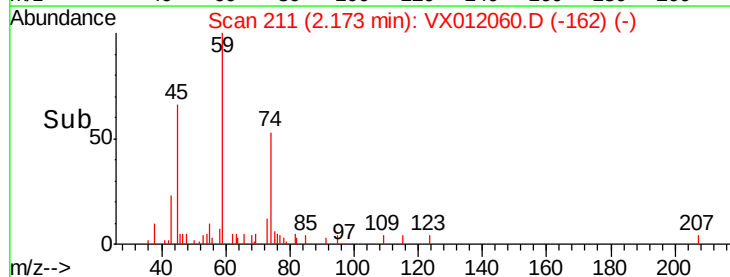
400

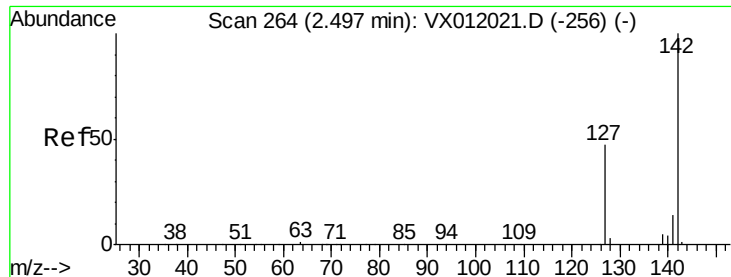
200

0

Time-->

2.10 2.15 2.20 2.25

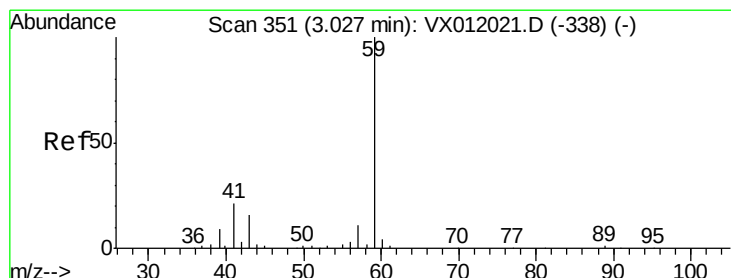
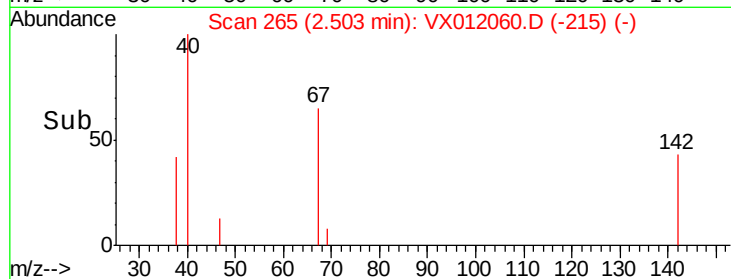
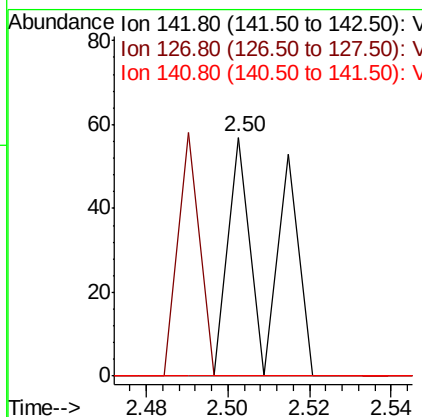
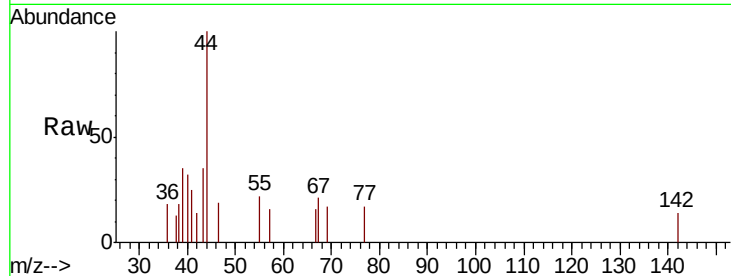




#10
Methyl Iodide
Concen: 7.010 ug/l
RT: 2.50 min Scan# 265
Delta R.T. 0.01 min
Lab File: VX012060.D
Acq: 04 Sep 2019 19:03

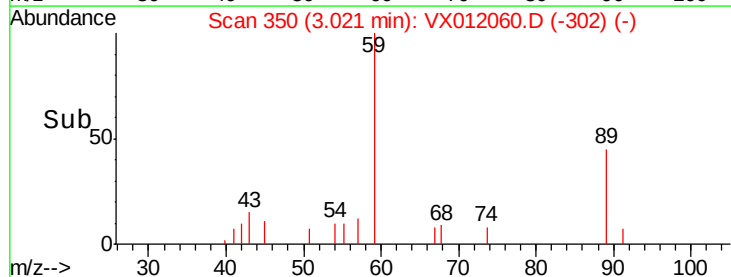
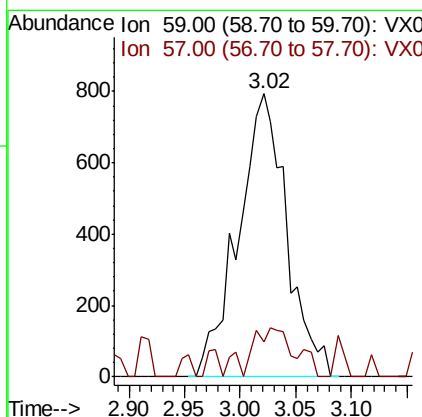
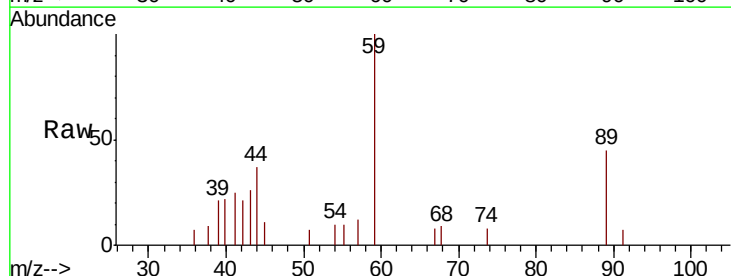
Instrument :
MSVOA_X
ClientSampleId :
T3-S-C4-(2.5)

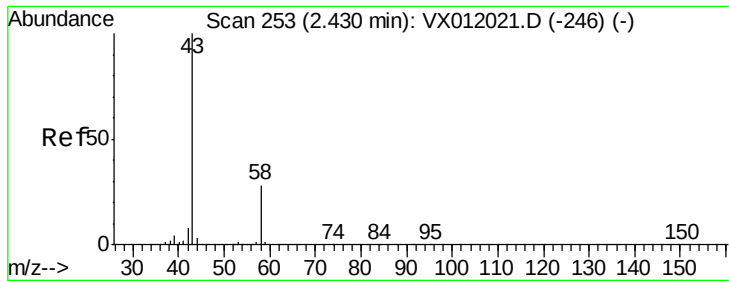
Tgt Ion: 142 Resp: 40
Ion Ratio Lower Upper
142 100
127 52.5 35.4 53.2
141 0.0 11.4 17.2#



#11
Tert butyl alcohol
Concen: 11.723 ug/l
RT: 3.02 min Scan# 350
Delta R.T. -0.01 min
Lab File: VX012060.D
Acq: 04 Sep 2019 19:03

Tgt Ion: 59 Resp: 2409
Ion Ratio Lower Upper
59 100
57 12.2 7.9 11.9#





#16

Acetone

Concen: 24.821 ug/l

RT: 2.43 min Scan# 253

Delta R.T. -0.00 min

Lab File: VX012060.D

Acq: 04 Sep 2019 19:03

Instrument :

MSVOA_X

ClientSampleId :

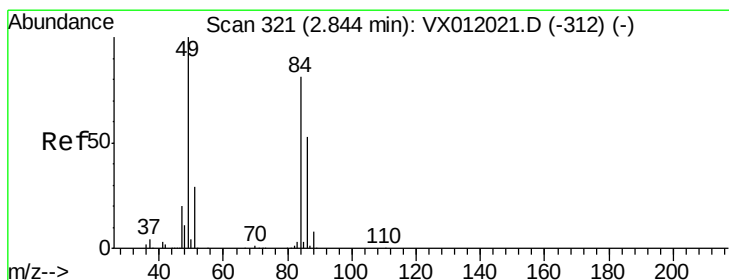
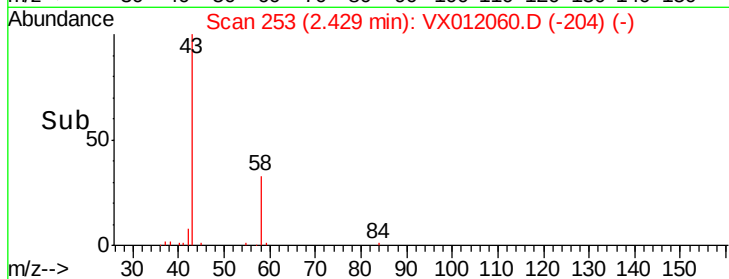
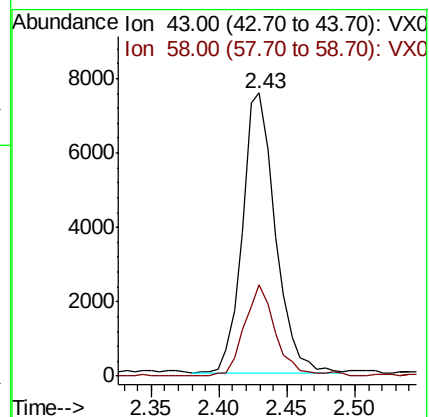
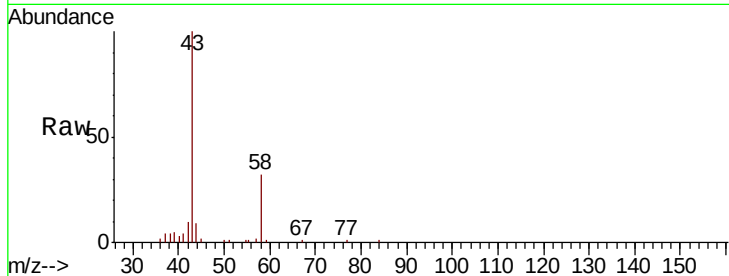
T3-S-C4-(2.5)

Tgt Ion: 43 Resp: 12693

Ion Ratio Lower Upper

43 100

58 32.6 22.8 34.2



#20

Methylene Chloride

Concen: 3.941 ug/l

RT: 2.84 min Scan# 321

Delta R.T. -0.00 min

Lab File: VX012060.D

Acq: 04 Sep 2019 19:03

Tgt Ion: 84 Resp: 8093

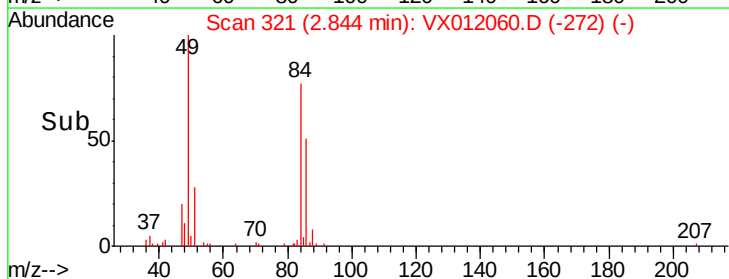
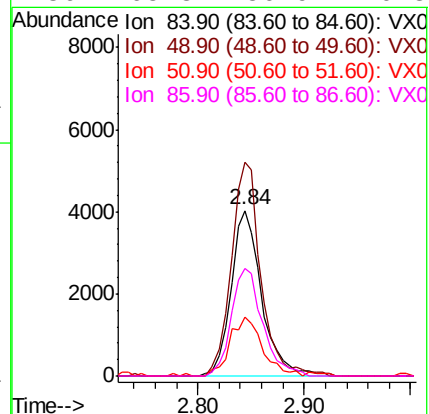
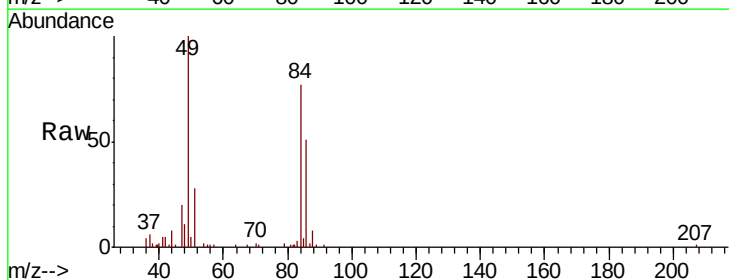
Ion Ratio Lower Upper

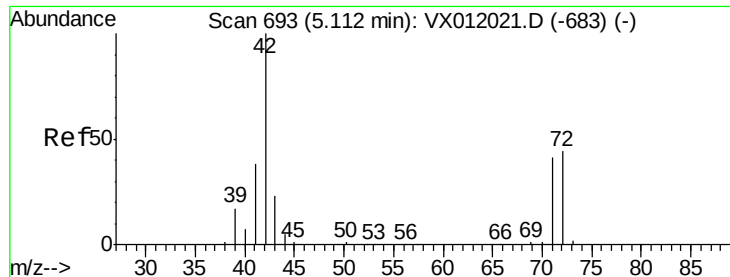
84 100

49 129.0 95.8 143.8

51 36.0 28.6 43.0

86 65.3 50.9 76.3





#29

Tetrahydrofuran

Concen: 7.035 ug/l

RT: 5.12 min Scan# 695

Delta R.T. 0.01 min

Lab File: VX012060.D

Acq: 04 Sep 2019 19:03

Instrument :

MSVOA_X

ClientSampleId :

T3-S-C4-(2.5)

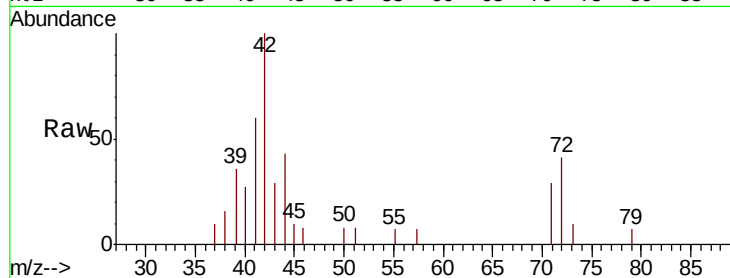
Tgt Ion: 42 Resp: 2759

Ion Ratio Lower Upper

42 100

72 42.5 37.0 55.4

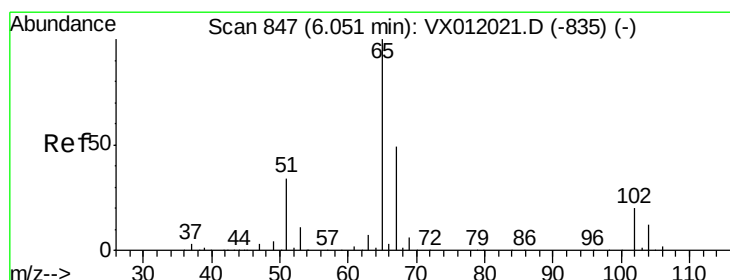
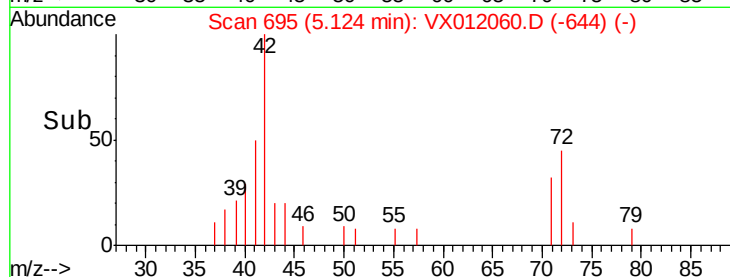
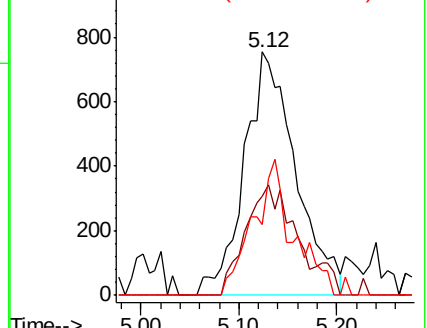
71 43.4 33.8 50.8



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



#33

1,2-Dichloroethane-d4

Concen: 48.360 ug/l

RT: 6.05 min Scan# 847

Delta R.T. -0.00 min

Lab File: VX012060.D

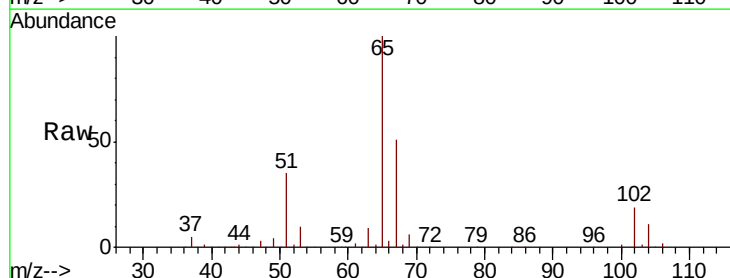
Acq: 04 Sep 2019 19:03

Tgt Ion: 65 Resp: 103463

Ion Ratio Lower Upper

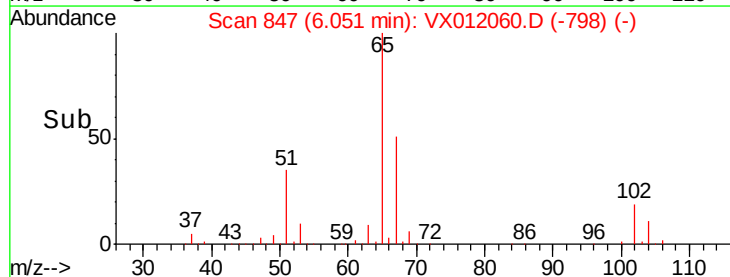
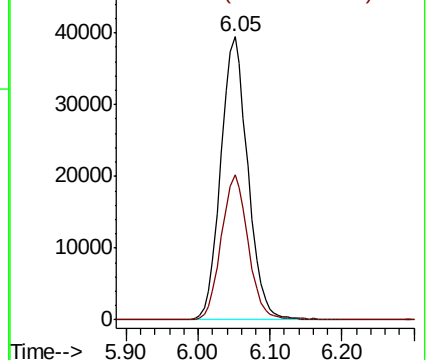
65 100

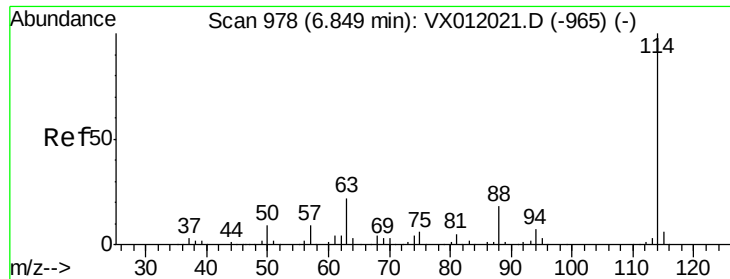
67 50.8 0.0 102.0



Abundance Ion 64.90 (64.60 to 65.60): VX0

Ion 66.90 (66.60 to 67.60): VX0

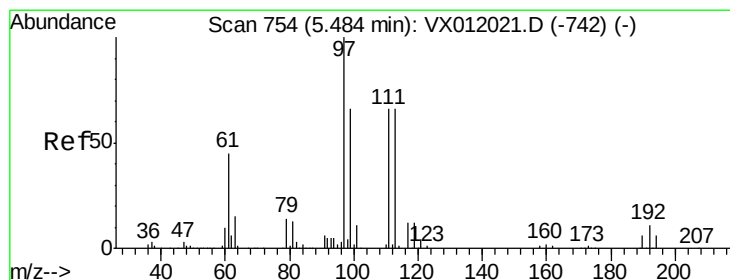
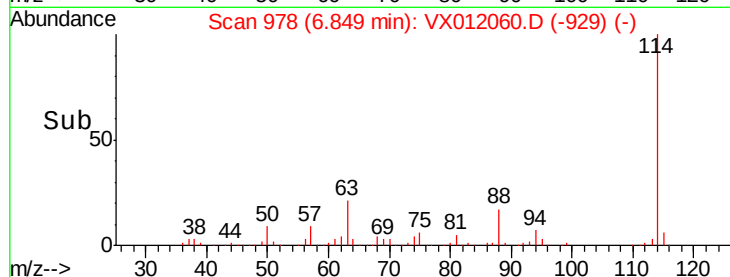
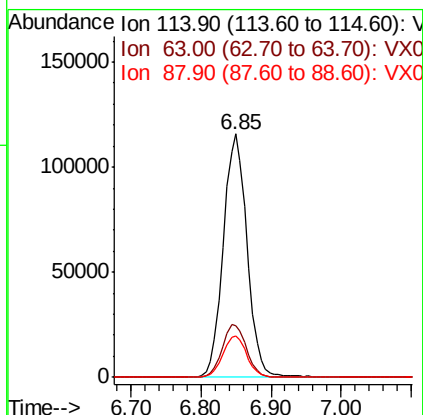
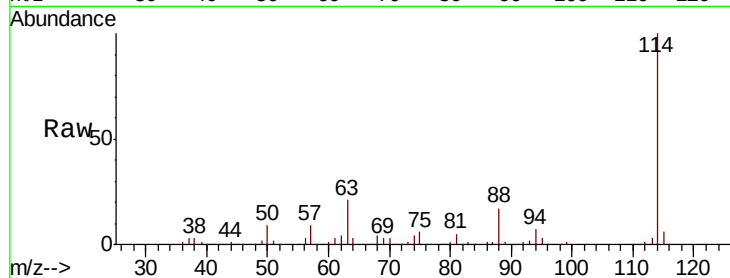




#34
 1,4-Difluorobenzene
 Concen: 50.000 ug/l
 RT: 6.85 min Scan# 978
 Delta R.T. -0.00 min
 Lab File: VX012060.D
 Acq: 04 Sep 2019 19:03

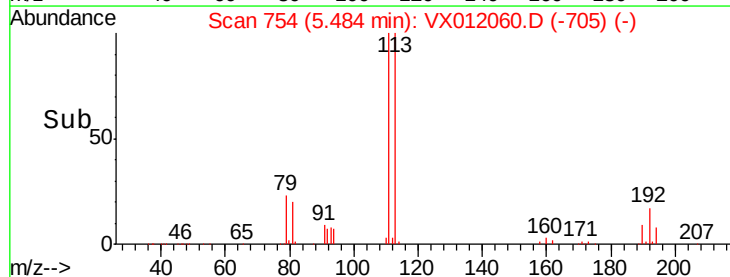
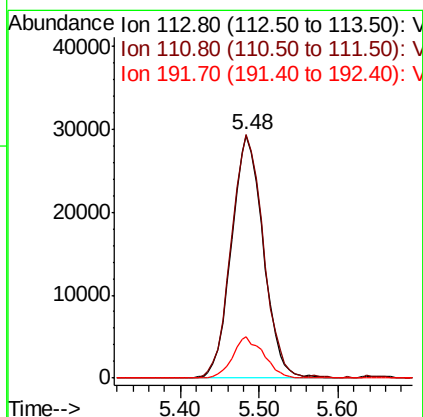
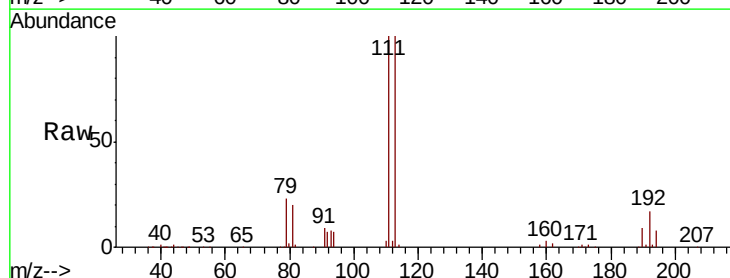
Instrument :
 MSVOA_X
 ClientSampleId :
 T3-S-C4-(2.5)

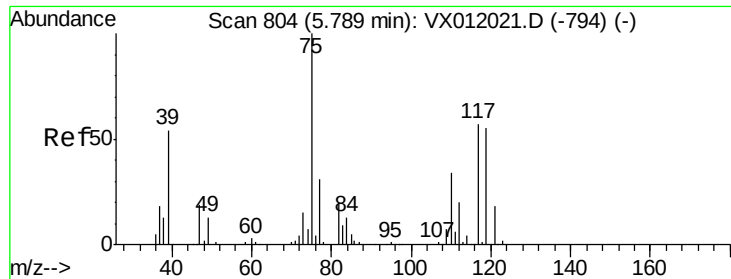
Tgt Ion:114 Resp: 273247
 Ion Ratio Lower Upper
 114 100
 63 21.2 0.0 37.4
 88 16.7 0.0 29.6



#35
 Dibromofluoromethane
 Concen: 48.701 ug/l
 RT: 5.48 min Scan# 754
 Delta R.T. -0.00 min
 Lab File: VX012060.D
 Acq: 04 Sep 2019 19:03

Tgt Ion:113 Resp: 81836
 Ion Ratio Lower Upper
 113 100
 111 102.0 81.7 122.5
 192 16.7 22.5 33.7#

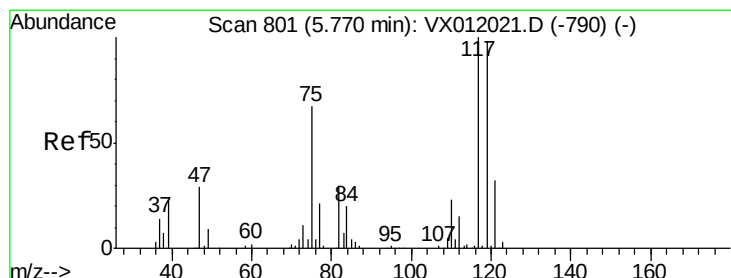
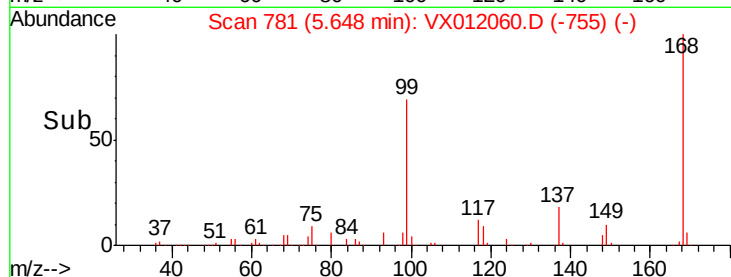
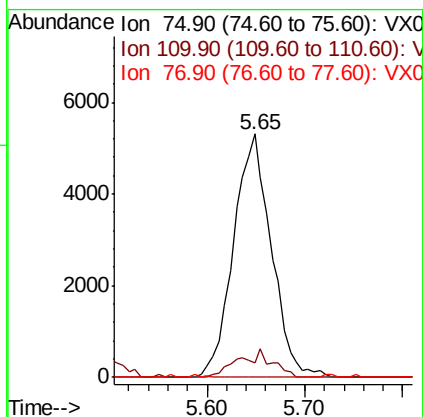
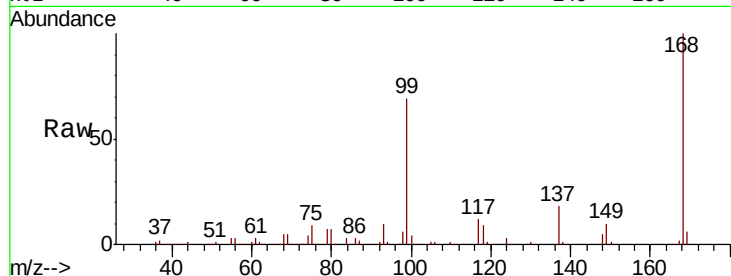




#36
 1,1-Dichloropropene
 Concen: 5.907 ug/l
 RT: 5.65 min Scan# 781
 Delta R.T. -0.14 min
 Lab File: VX012060.D
 Acq: 04 Sep 2019 19:03

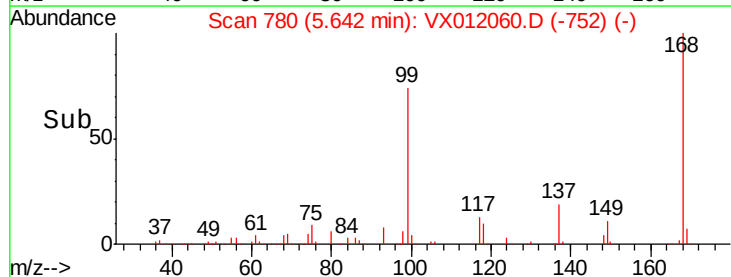
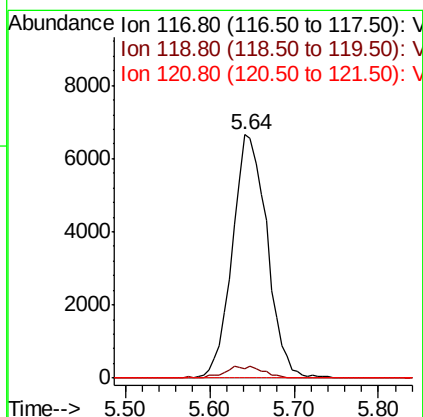
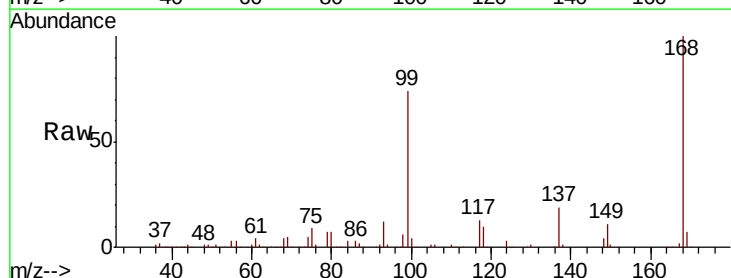
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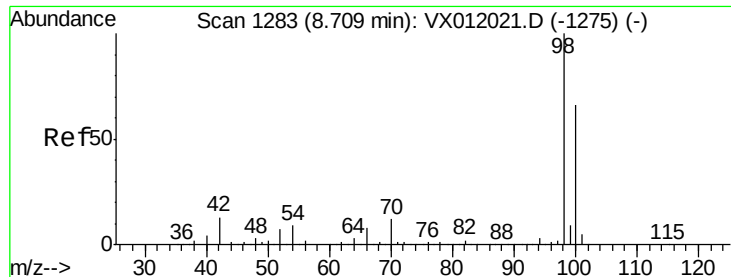
Tgt Ion: 75 Resp: 14217
 Ion Ratio Lower Upper
 75 100
 110 5.7 19.5 58.5#
 77 0.0 24.6 37.0#



#38
 Carbon Tetrachloride
 Concen: 7.300 ug/l
 RT: 5.64 min Scan# 780
 Delta R.T. -0.13 min
 Lab File: VX012060.D
 Acq: 04 Sep 2019 19:03

Tgt Ion: 117 Resp: 18512
 Ion Ratio Lower Upper
 117 100
 119 3.7 78.3 117.5#
 121 0.0 24.2 36.2#

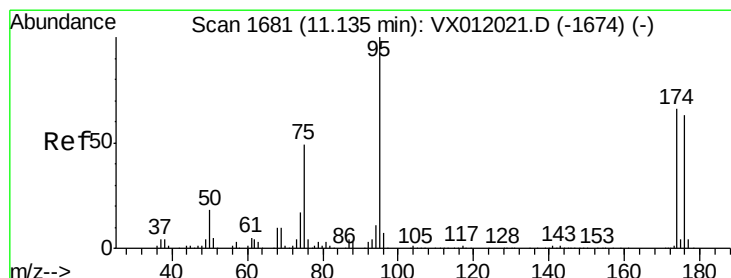
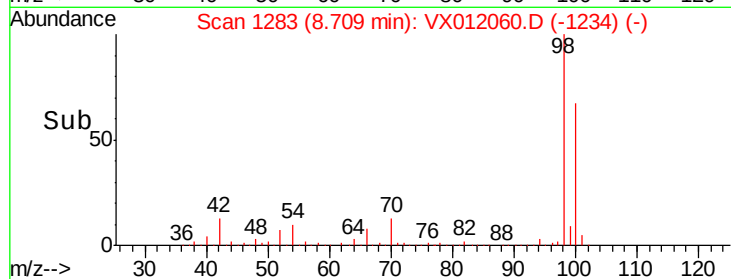
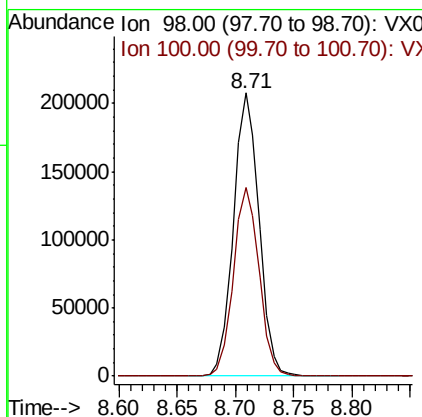
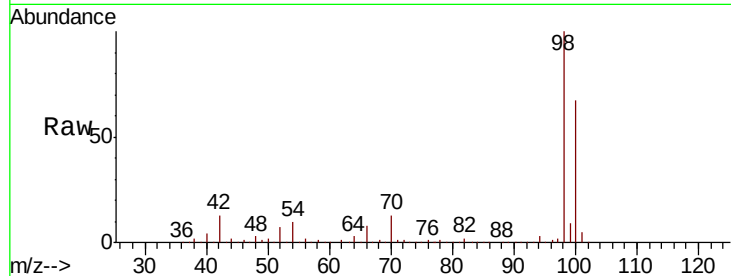




#50
Toluene-d8
Concen: 51.706 ug/l
RT: 8.71 min Scan# 1283
Delta R.T. -0.00 min
Lab File: VX012060.D
Acq: 04 Sep 2019 19:03

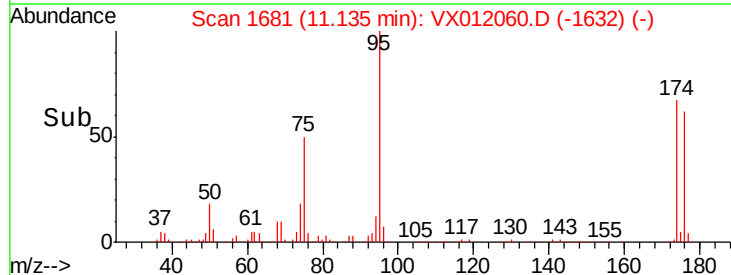
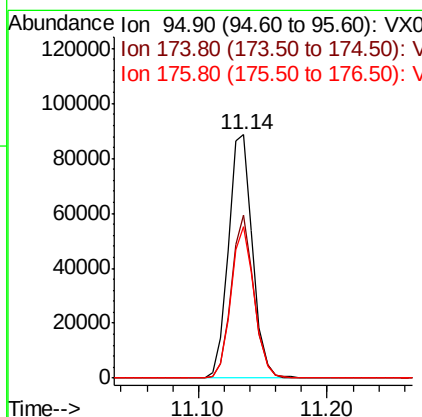
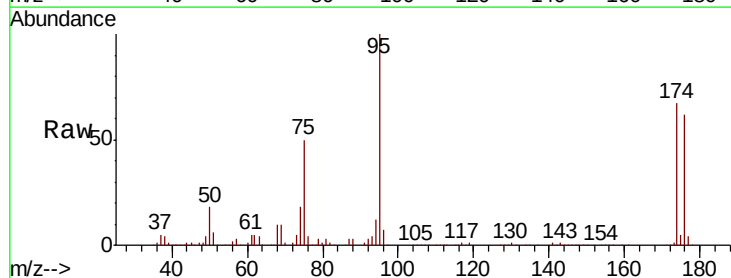
Instrument :
MSVOA_X
ClientSampleId :
T3-S-C4-(2.5)

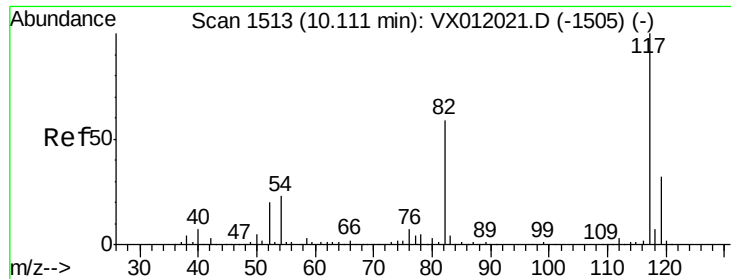
Tgt Ion: 98 Resp: 318834
Ion Ratio Lower Upper
98 100
100 66.5 53.3 79.9



#62
4-Bromofluorobenzene
Concen: 40.629 ug/l
RT: 11.14 min Scan# 1681
Delta R.T. -0.00 min
Lab File: VX012060.D
Acq: 04 Sep 2019 19:03

Tgt Ion: 95 Resp: 116511
Ion Ratio Lower Upper
95 100
174 62.4 0.0 205.4
176 60.0 0.0 201.8

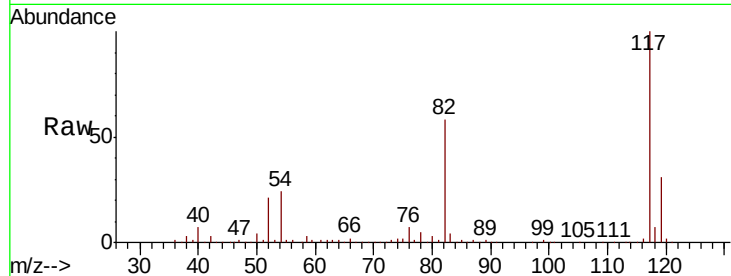




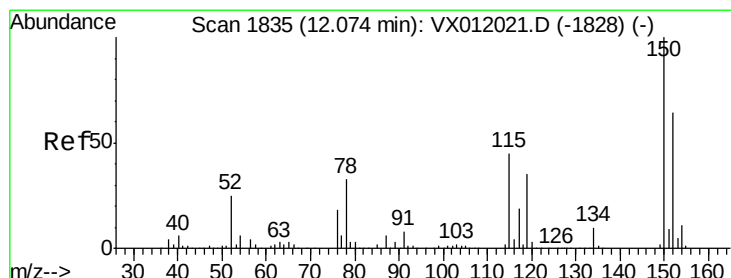
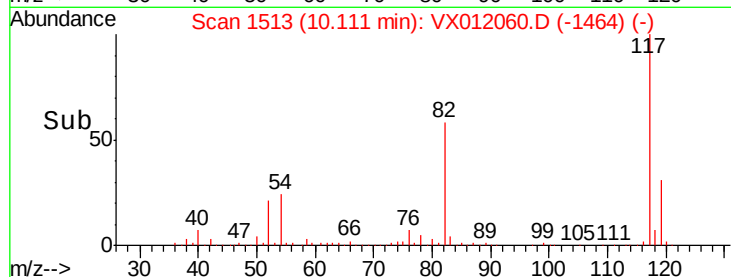
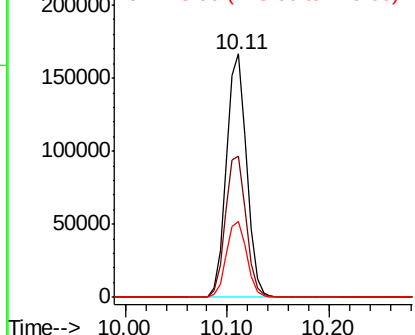
#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 10.11 min Scan# 1513
Delta R.T. -0.00 min
Lab File: VX012060.D
Acq: 04 Sep 2019 19:03

Instrument :
MSVOA_X
ClientSampleId :
T3-S-C4-(2.5)

Tgt Ion:117 Resp: 227022
Ion Ratio Lower Upper
117 100
82 57.8 39.4 59.0
119 31.4 26.1 39.1

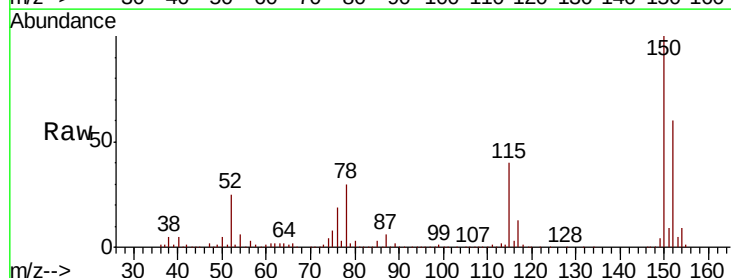


Abundance Ion 116.90 (116.60 to 117.60): V
Ion 82.00 (81.70 to 82.70): VX0
Ion 118.90 (118.60 to 119.60): V

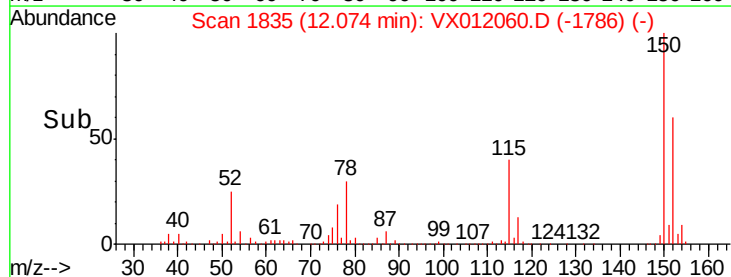
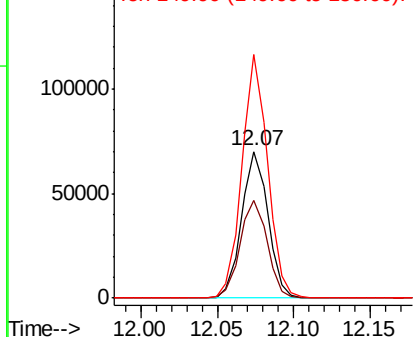


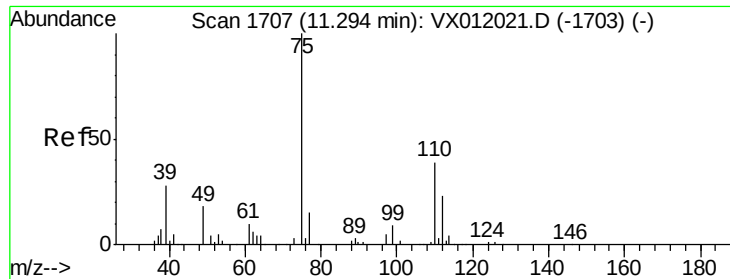
#72
1,4-Dichlorobenzene-d4
Concen: 50.000 ug/l
RT: 12.07 min Scan# 1835
Delta R.T. -0.00 min
Lab File: VX012060.D
Acq: 04 Sep 2019 19:03

Tgt Ion:152 Resp: 83992
Ion Ratio Lower Upper
152 100
115 68.9 36.4 109.3
150 161.0 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: 58.447 ug/l

RT: 11.13 min Scan# 1680

Delta R.T. -0.16 min

Lab File: VX012060.D

Acq: 04 Sep 2019 19:03

Instrument :

MSVOA_X

ClientSampled :

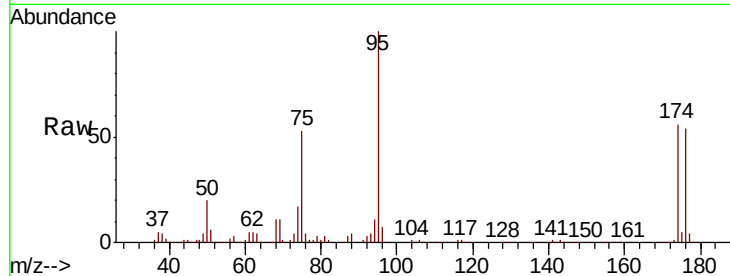
T3-S-C4-(2.5)

Tgt Ion: 75 Resp: 59981

Ion Ratio Lower Upper

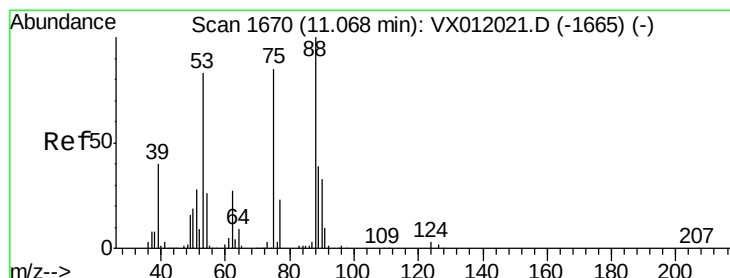
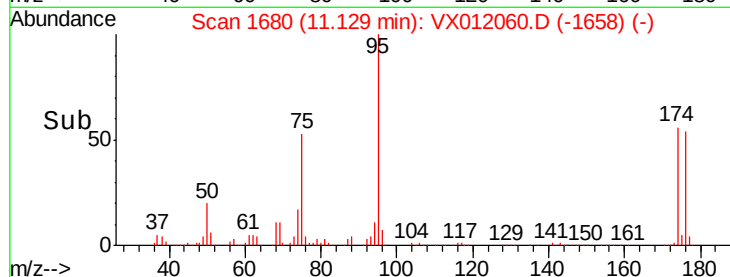
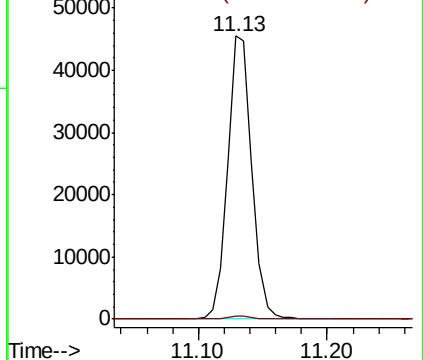
75 100

77 1.4 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: 138.177 ug/l

RT: 11.13 min Scan# 1680

Delta R.T. 0.06 min

Lab File: VX012060.D

Acq: 04 Sep 2019 19:03

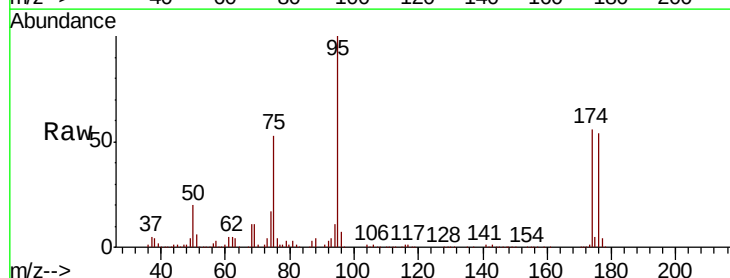
Tgt Ion: 75 Resp: 59981

Ion Ratio Lower Upper

75 100

53 0.1 78.6 117.8#

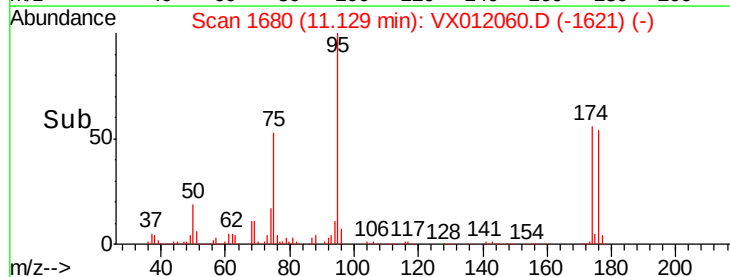
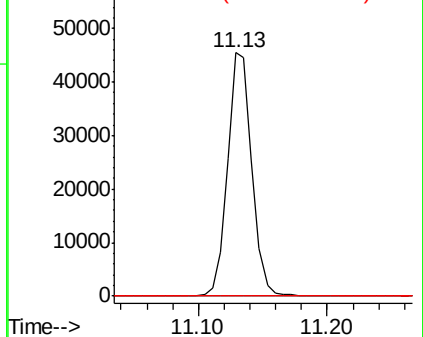
89 0.1 38.8 58.2#

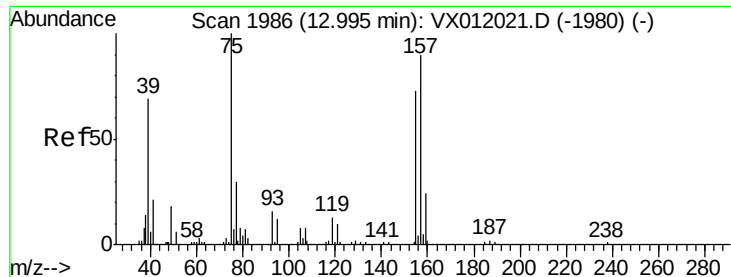


Abundance Ion 74.90 (74.60 to 75.60): VX0

Ion 53.00 (52.70 to 53.70): VX0

Ion 88.90 (88.60 to 89.60): VX0





#92

1,2-Dibromo-3-Chloropropane

Concen: 2.176 ug/l

RT: 12.81 min Scan# 1956

Delta R.T. -0.18 min

Lab File: VX012060.D

Acq: 04 Sep 2019 19:03

Instrument :

MSVOA_X

ClientSampleId :

T3-S-C4-(2.5)

Tgt Ion: 75 Resp: 585

Ion Ratio Lower Upper

75 100

155 10.9 51.7 155.2#

157 0.0 66.9 200.7#

