

Data Path : Z:\VOASRV\HPCHEM1\MSVOA_X\DATA\VX090419\
 Data File : VX012052.D
 Acq On : 04 Sep 2019 15:20
 Operator : SY/SP
 Sample : K4546-16
 Misc : 4.99g/5.0mL/MSVOA_X/SOIL
 ALS Vial : 13 Sample Multiplier: 1

Instrument :
 MSVOA_X
 ClientSampleId :
 T3-S-B2-(2.5)

Quant Time: Sep 05 05:23:45 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

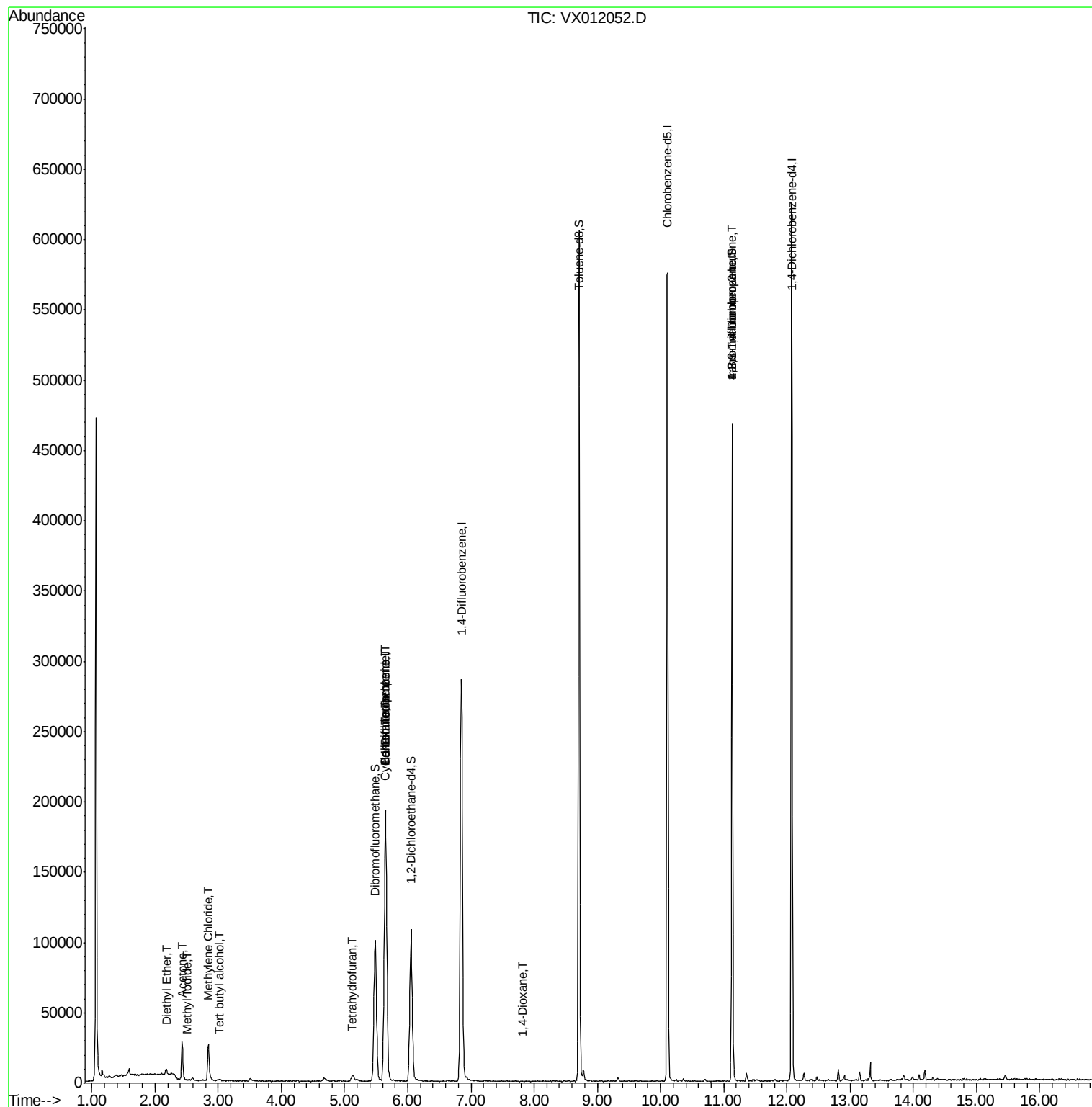
Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Pentafluorobenzene	5.65	168	160596	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	6.85	114	281017	50.00	ug/l	0.00
63) Chlorobenzene-d5	10.11	117	252545	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	12.07	152	111816	50.00	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	6.05	65	107481	48.50	ug/l	0.00
Spiked Amount	50.000		Recovery	=	97.00%	
35) Dibromofluoromethane	5.48	113	85250	49.33	ug/l	0.00
Spiked Amount	50.000		Recovery	=	98.66%	
50) Toluene-d8	8.71	98	337877	53.28	ug/l	0.00
Spiked Amount	50.000		Recovery	=	106.56%	
62) 4-Bromofluorobenzene	11.13	95	136797	46.38	ug/l	0.00
Spiked Amount	50.000		Recovery	=	92.76%	
Target Compounds						
					Qvalue	
8) Diethyl Ether	2.17	74	1374	1.794	ug/l	90
10) Methyl Iodide	2.51	142	81	7.030	ug/l #	40
11) Tert butyl alcohol	3.03	59	1252	5.882	ug/l #	94
13) Acrolein	2.28	56	35	Below Cal	#	1
16) Acetone	2.43	43	27894	52.665	ug/l	99
20) Methylene Chloride	2.84	84	12270	5.769	ug/l	98
29) Tetrahydrofuran	5.12	42	3989	9.820	ug/l	96
31) Cyclohexane	5.64	56	4373	1.610	ug/l #	8
36) 1,1-Dichloropropene	5.65	75	14814	5.985	ug/l #	49
38) Carbon Tetrachloride	5.65	117	18413	7.060	ug/l #	14
49) 1,4-Dioxane	7.82	88	20	1.066	ug/l #	1
76) 1,2,3-Trichloropropane	11.13	75	69710	51.024	ug/l #	31
81) trans-1,4-Dichloro-2-buten	11.13	75	69710	120.629	ug/l #	10

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

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Quant Title : SW846 8260
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: VX012052.D

Acq: 04 Sep 2019 15:20

Instrument :

MSVOA_X

ClientSampleId :

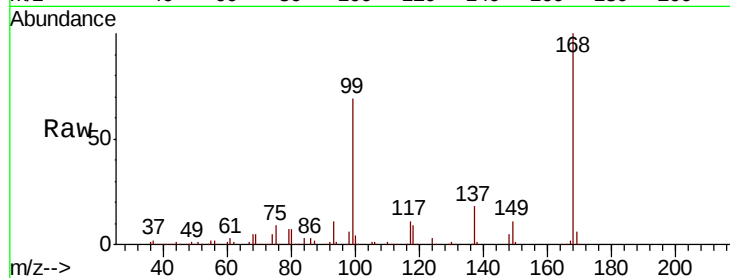
T3-S-B2-(2.5)

Tgt Ion:168 Resp: 160596

Ion Ratio Lower Upper

168 100

99 68.8 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

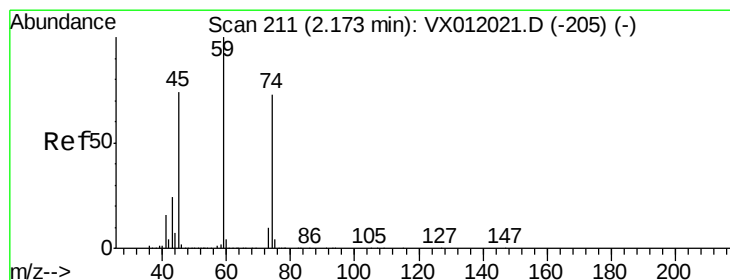
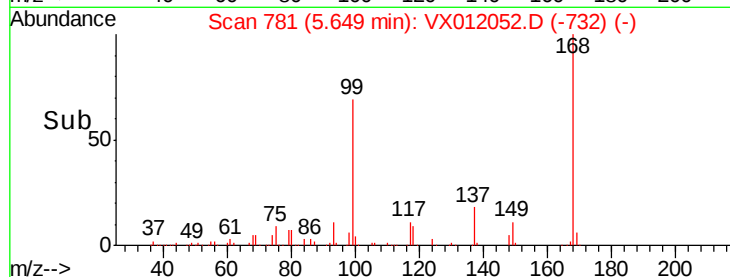
40000

20000

0

Time-->

5.50 5.60 5.70 5.80



#8

Diethyl Ether

Concen: 1.794 ug/l

RT: 2.17 min Scan# 211

Delta R.T. -0.00 min

Lab File: VX012052.D

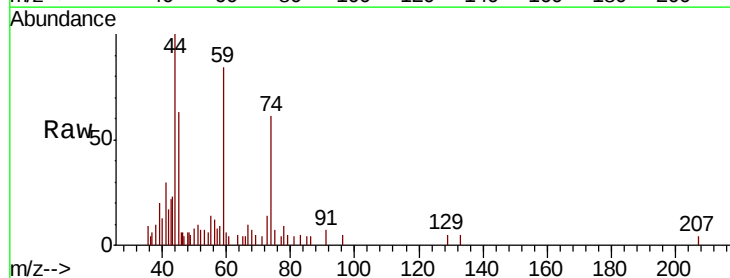
Acq: 04 Sep 2019 15:20

Tgt Ion: 74 Resp: 1374

Ion Ratio Lower Upper

74 100

45 82.4 45.9 137.6



Abundance Ion 74.00 (73.70 to 74.70): VX0

Ion 45.00 (44.70 to 45.70): VX0

1000

800

600

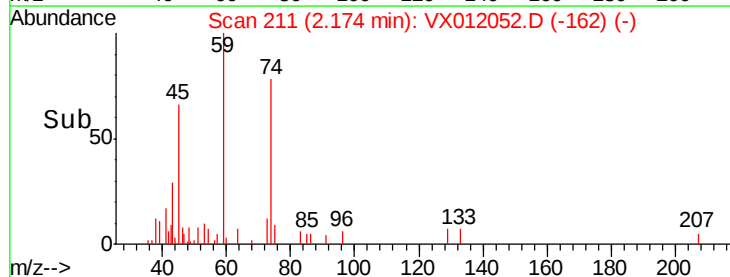
400

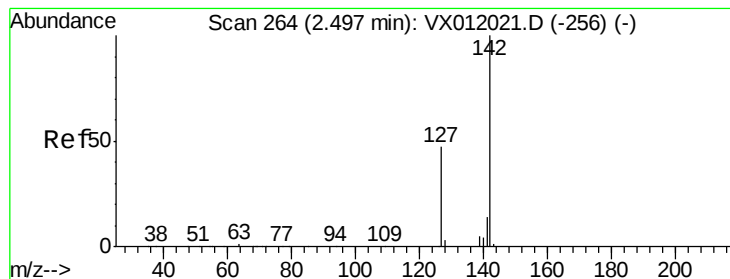
200

0

Time-->

2.15 2.20





#10

Methyl Iodide

Concen: 7.030 ug/l

RT: 2.51 min Scan# 266

Delta R.T. 0.01 min

Lab File: VX012052.D

Acq: 04 Sep 2019 15:20

Instrument :

MSVOA_X

ClientSampleId :

T3-S-B2-(2.5)

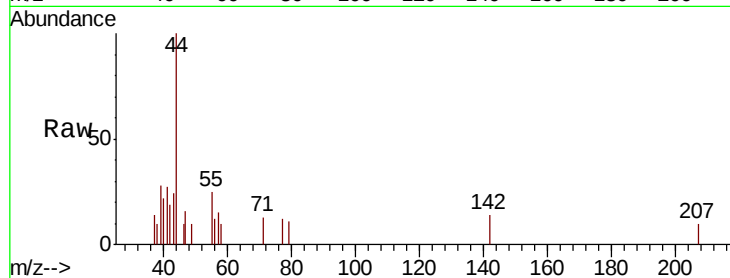
Tgt Ion: 142 Resp: 81

Ion Ratio Lower Upper

142 100

127 0.0 35.4 53.2#

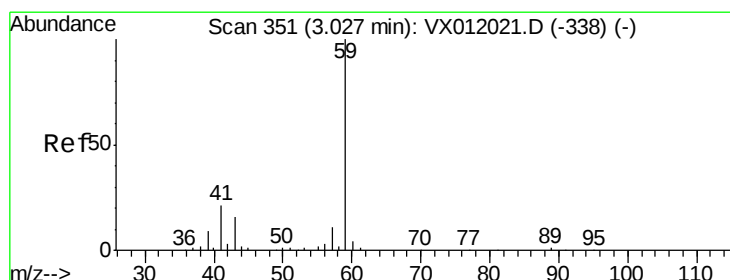
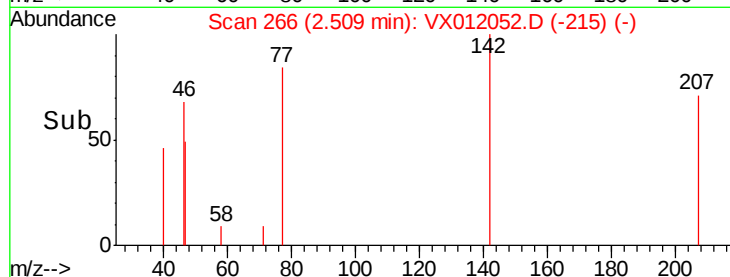
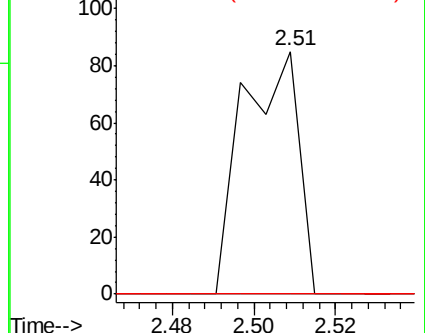
141 0.0 11.4 17.2#



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: 5.882 ug/l

RT: 3.03 min Scan# 351

Delta R.T. -0.00 min

Lab File: VX012052.D

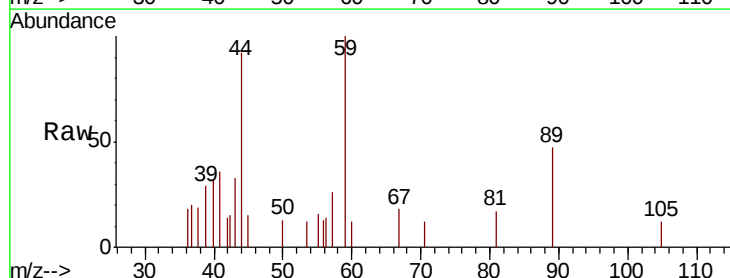
Acq: 04 Sep 2019 15:20

Tgt Ion: 59 Resp: 1252

Ion Ratio Lower Upper

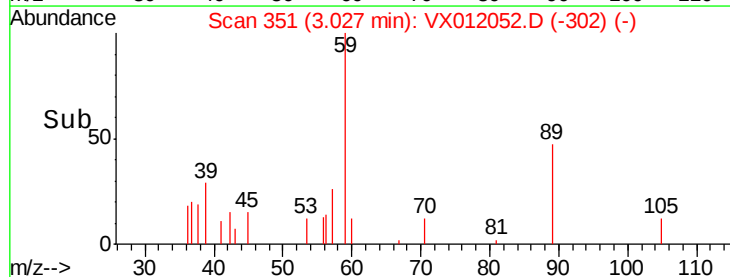
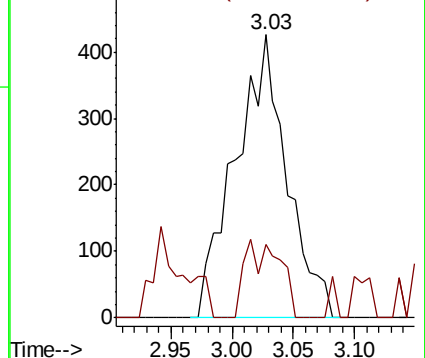
59 100

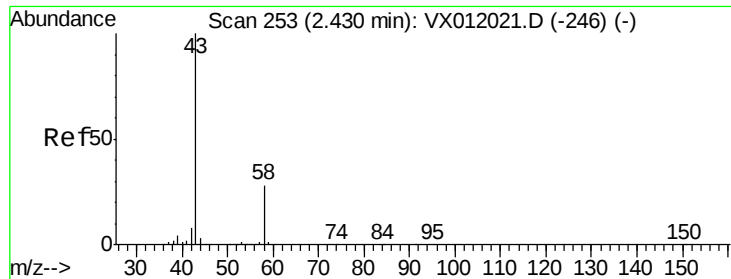
57 7.8 7.9 11.9#



Abundance Ion 59.00 (58.70 to 59.70): VX0

Ion 57.00 (56.70 to 57.70): VX0





#16

Acetone

Concen: 52.665 ug/l

RT: 2.43 min Scan# 253

Delta R.T. -0.00 min

Lab File: VX012052.D

Acq: 04 Sep 2019 15:20

Instrument :

MSVOA_X

ClientSampleId :

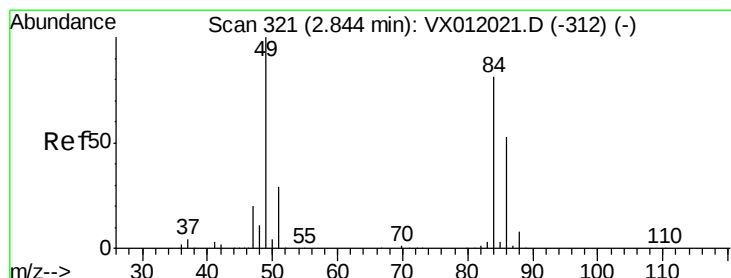
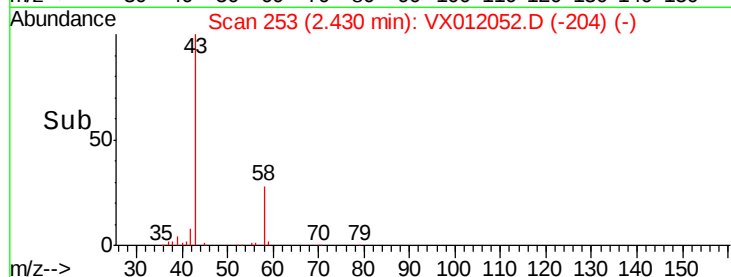
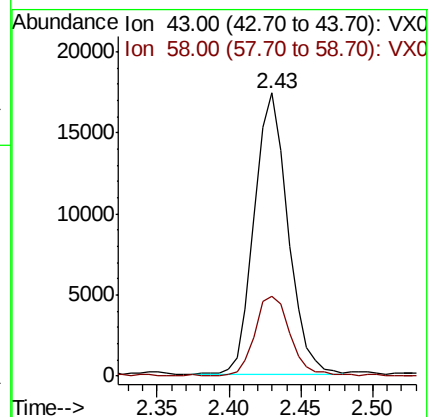
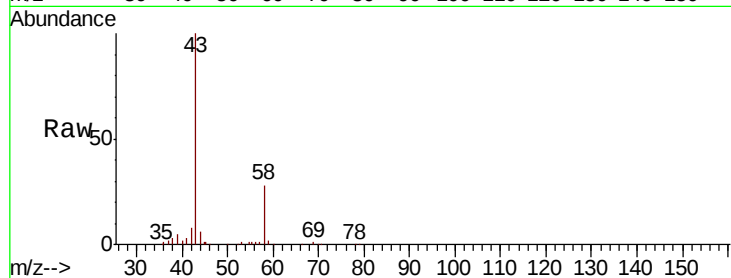
T3-S-B2-(2.5)

Tgt Ion: 43 Resp: 27894

Ion Ratio Lower Upper

43 100

58 28.0 22.8 34.2



#20

Methylene Chloride

Concen: 5.769 ug/l

RT: 2.84 min Scan# 321

Delta R.T. -0.00 min

Lab File: VX012052.D

Acq: 04 Sep 2019 15:20

Tgt Ion: 84 Resp: 12270

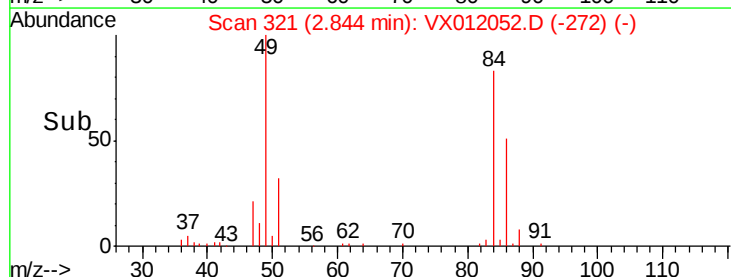
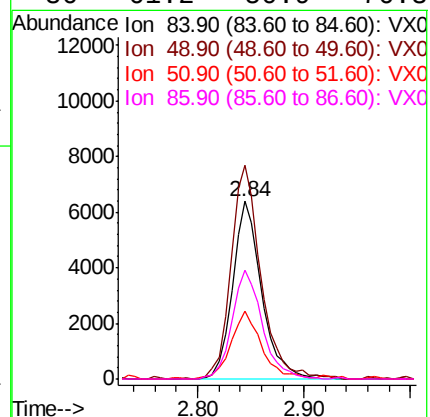
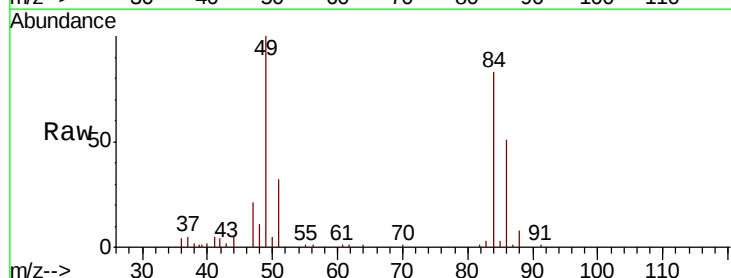
Ion Ratio Lower Upper

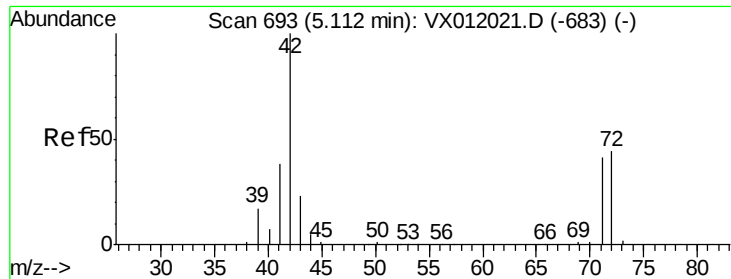
84 100

49 120.3 95.8 143.8

51 38.5 28.6 43.0

86 61.2 50.9 76.3

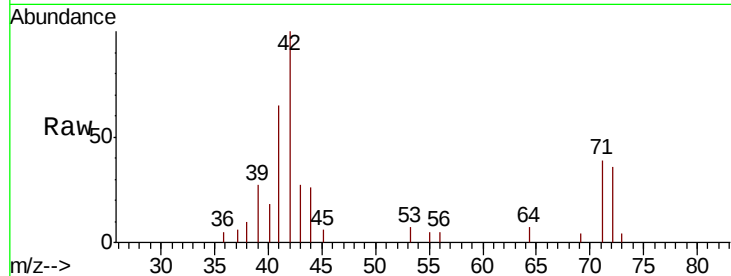




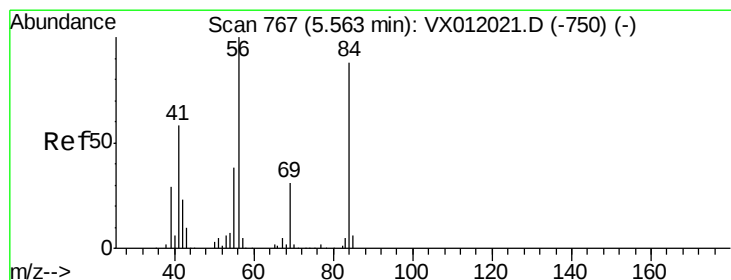
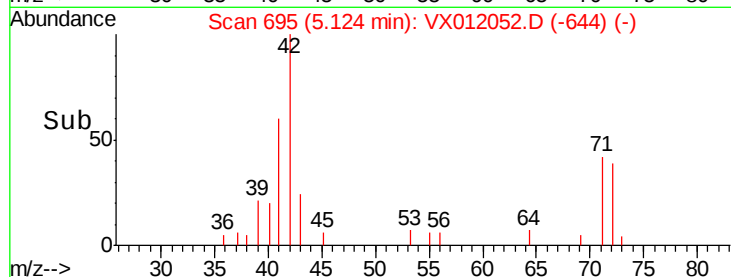
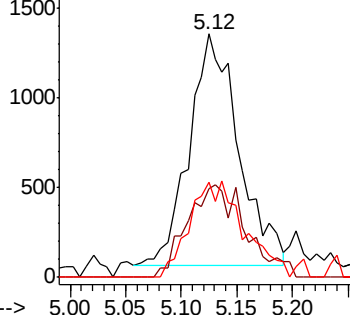
#29
Tetrahydrofuran
Concen: 9.820 ug/l
RT: 5.12 min Scan# 695
Delta R.T. 0.01 min
Lab File: VX012052.D
Acq: 04 Sep 2019 15:20

Instrument :
MSVOA_X
ClientSampleId :
T3-S-B2-(2.5)

Tgt Ion: 42 Resp: 3989
Ion Ratio Lower Upper
42 100
72 47.8 37.0 55.4
71 45.6 33.8 50.8

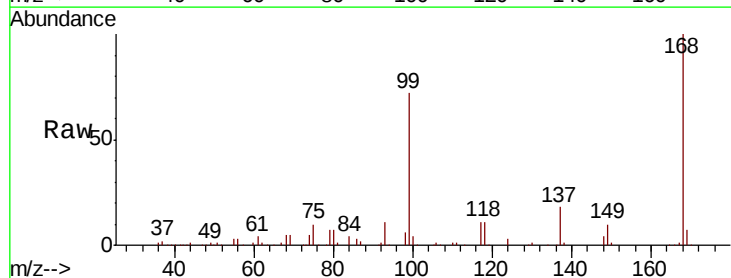


Abundance Ion 42.00 (41.70 to 42.70): VX0
Ion 72.00 (71.70 to 72.70): VX0
Ion 71.00 (70.70 to 71.70): VX0

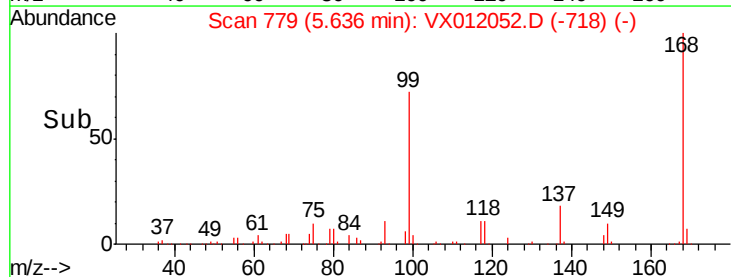
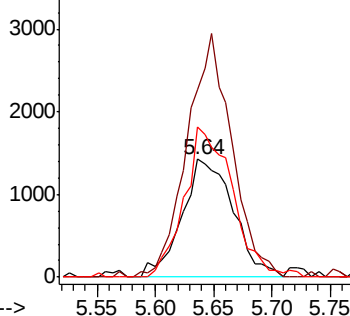


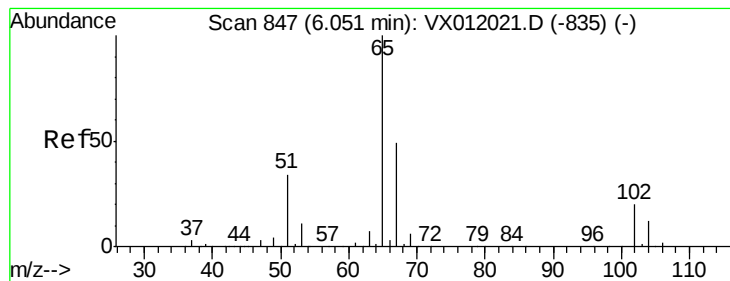
#31
Cyclohexane
Concen: 1.610 ug/l
RT: 5.64 min Scan# 779
Delta R.T. 0.07 min
Lab File: VX012052.D
Acq: 04 Sep 2019 15:20

Tgt Ion: 56 Resp: 4373
Ion Ratio Lower Upper
56 100
69 158.7 25.7 38.5#
84 127.8 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: 48.504 ug/l

RT: 6.05 min Scan# 847

Delta R.T. -0.00 min

Lab File: VX012052.D

Acq: 04 Sep 2019 15:20

Instrument :

MSVOA_X

ClientSampleId :

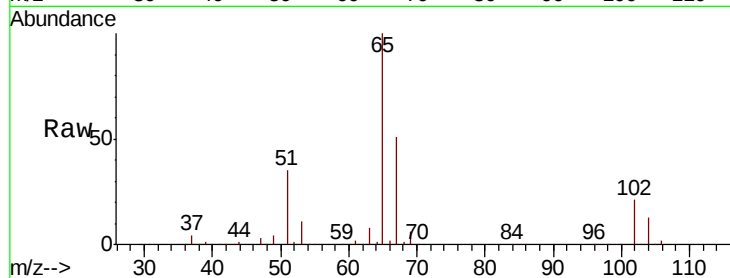
T3-S-B2-(2.5)

Tgt Ion: 65 Resp: 107481

Ion Ratio Lower Upper

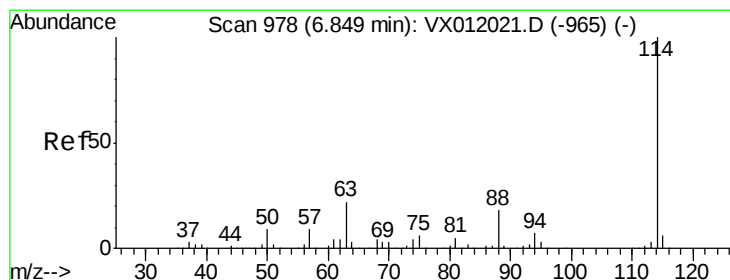
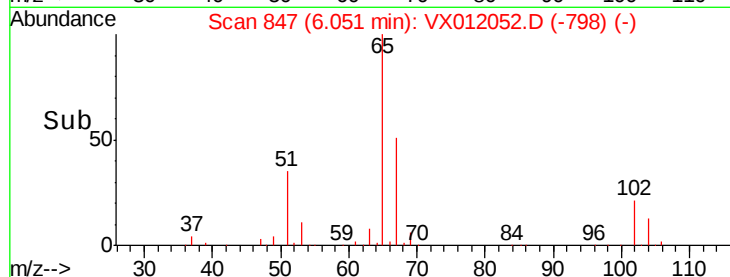
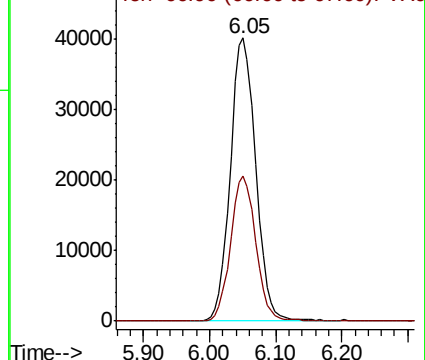
65 100

67 50.7 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: VX012052.D

Acq: 04 Sep 2019 15:20

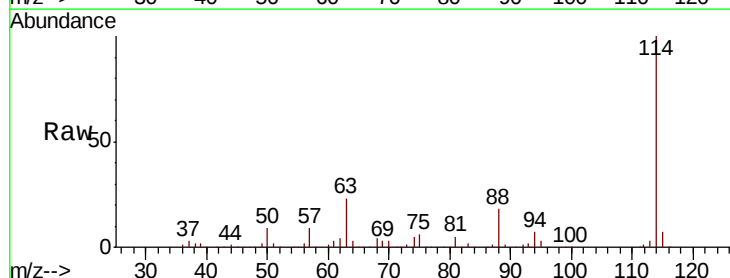
Tgt Ion: 114 Resp: 281017

Ion Ratio Lower Upper

114 100

63 22.7 0.0 37.4

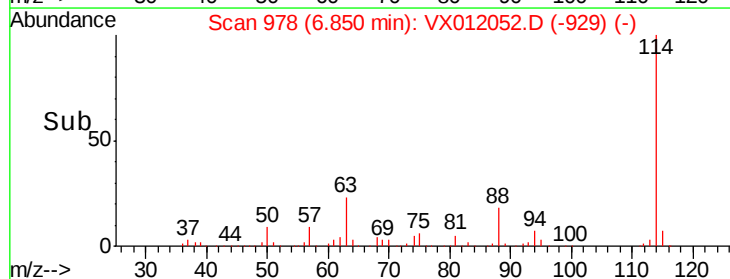
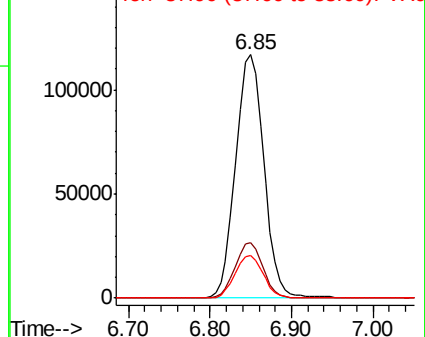
88 17.6 0.0 29.6

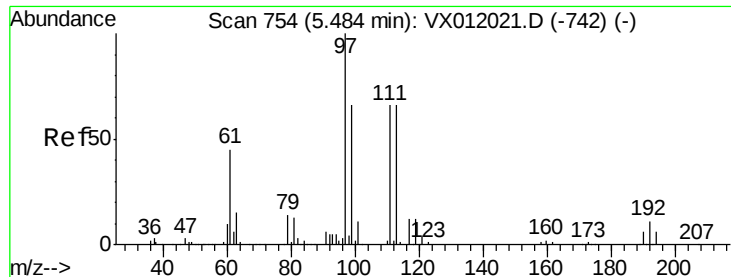


Abundance Ion 113.90 (113.60 to 114.60): V

Ion 63.00 (62.70 to 63.70): VX0

Ion 87.90 (87.60 to 88.60): VX0





#35

Dibromofluoromethane

Concen: 49.330 ug/l

RT: 5.48 min Scan# 754

Delta R.T. -0.00 min

Lab File: VX012052.D

Acq: 04 Sep 2019 15:20

Instrument :

MSVOA_X

ClientSampleId :

T3-S-B2-(2.5)

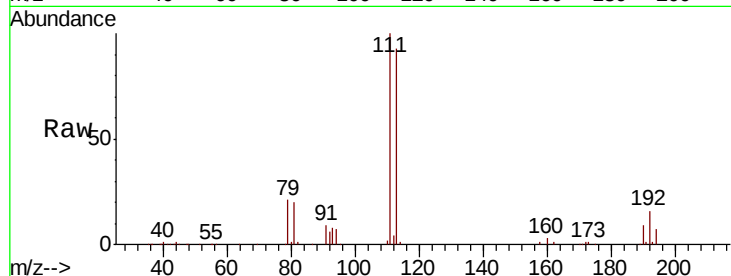
Tgt Ion:113 Resp: 85250

Ion Ratio Lower Upper

113 100

111 102.6 81.7 122.5

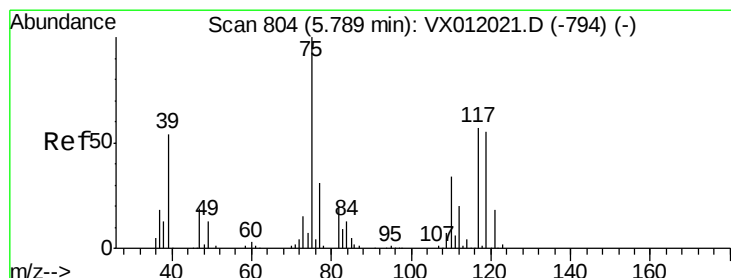
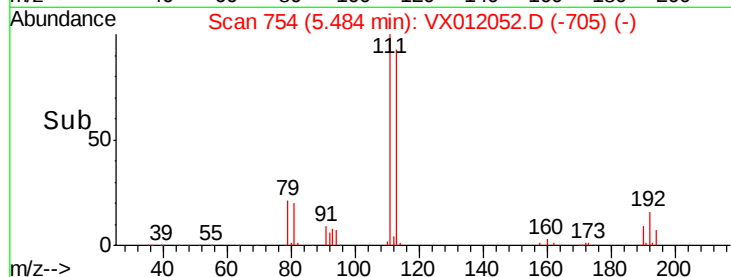
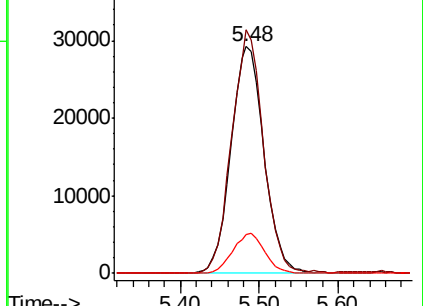
192 17.0 22.5 33.7#



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: 5.985 ug/l

RT: 5.65 min Scan# 781

Delta R.T. -0.14 min

Lab File: VX012052.D

Acq: 04 Sep 2019 15:20

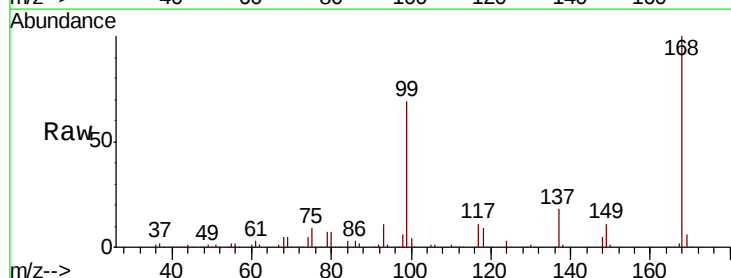
Tgt Ion: 75 Resp: 14814

Ion Ratio Lower Upper

75 100

110 9.7 19.5 58.5#

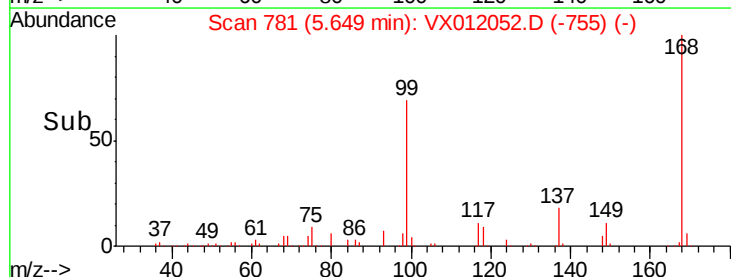
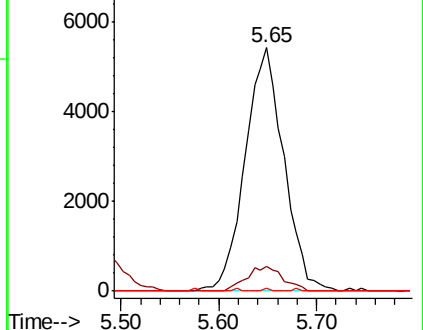
77 0.1 24.6 37.0#

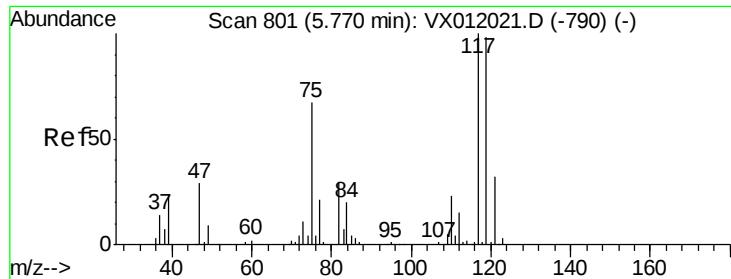


Abundance Ion 74.90 (74.60 to 75.60): VX0

Ion 109.90 (109.60 to 110.60): V

Ion 76.90 (76.60 to 77.60): VX0





#38

Carbon Tetrachloride

Concen: 7.060 ug/l

RT: 5.65 min Scan# 781

Delta R.T. -0.12 min

Lab File: VX012052.D

Acq: 04 Sep 2019 15:20

Instrument :

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ClientSampleId :

T3-S-B2-(2.5)

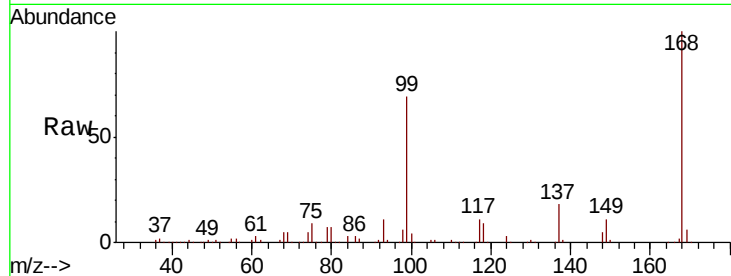
Tgt Ion:117 Resp: 18413

Ion Ratio Lower Upper

117 100

119 3.6 78.3 117.5#

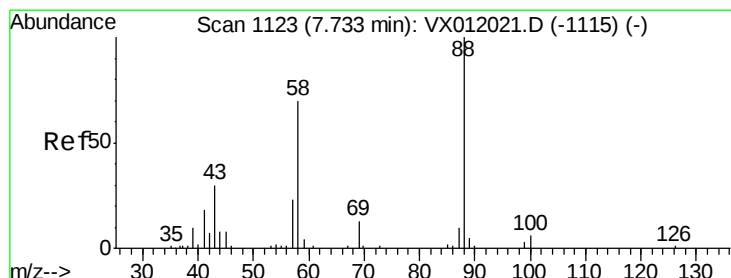
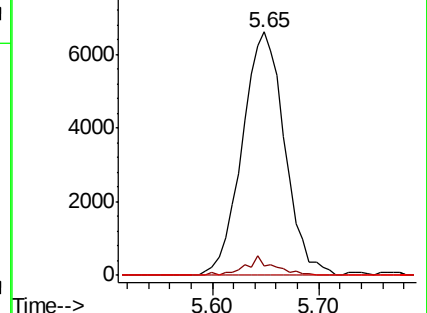
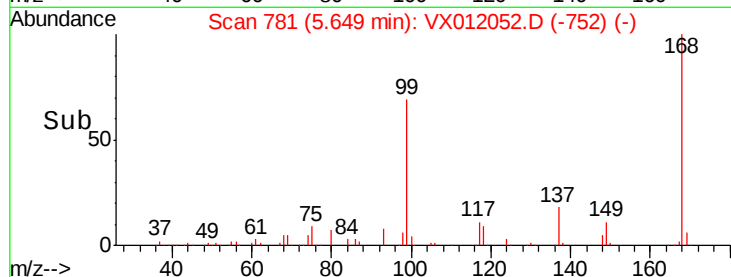
121 0.0 24.2 36.2#



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: 1.066 ug/l

RT: 7.82 min Scan# 1137

Delta R.T. 0.09 min

Lab File: VX012052.D

Acq: 04 Sep 2019 15:20

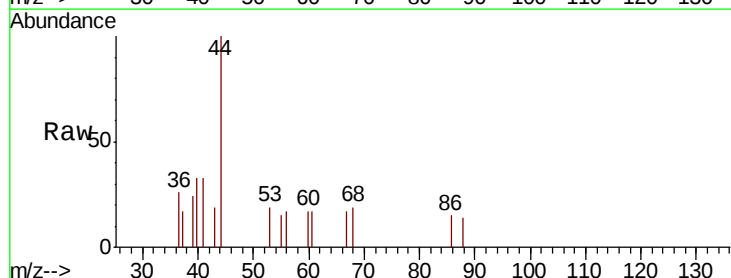
Tgt Ion: 88 Resp: 20

Ion Ratio Lower Upper

88 100

43 240.0 29.8 44.6#

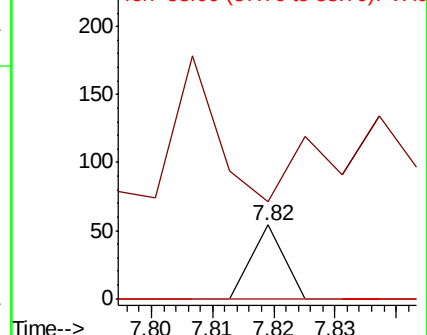
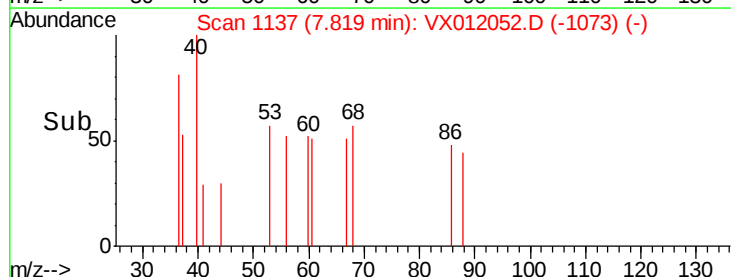
58 0.0 55.4 83.2#

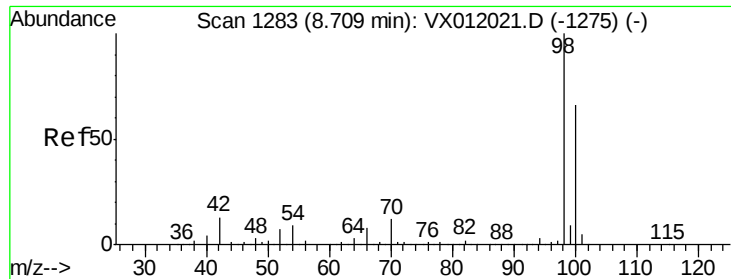


Abundance Ion 88.00 (87.70 to 88.70): VX0

Ion 43.00 (42.70 to 43.70): VX0

Ion 58.00 (57.70 to 58.70): VX0

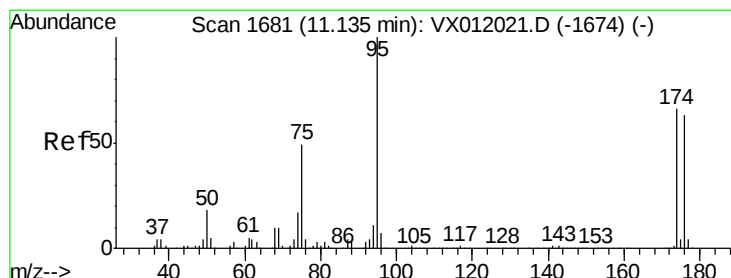
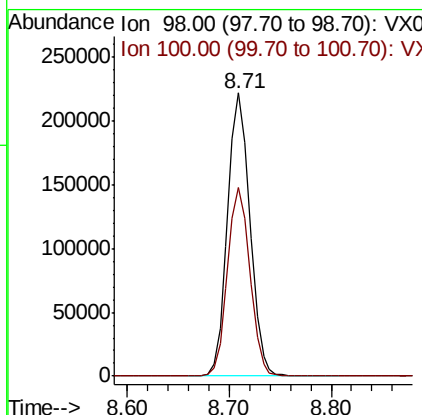
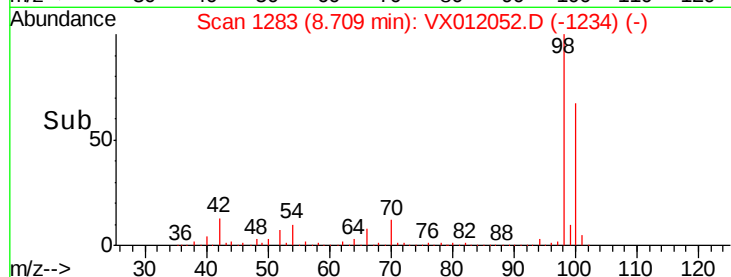
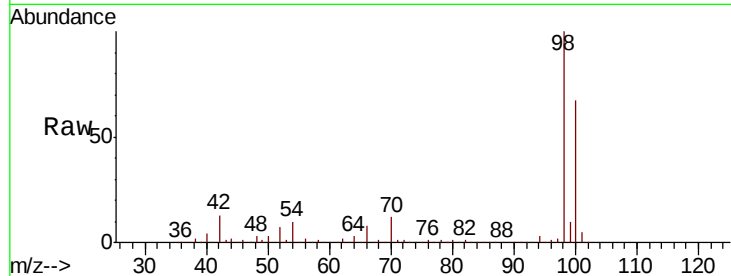




#50
Toluene-d8
Concen: 53.279 ug/l
RT: 8.71 min Scan# 1283
Delta R.T. -0.00 min
Lab File: VX012052.D
Acq: 04 Sep 2019 15:20

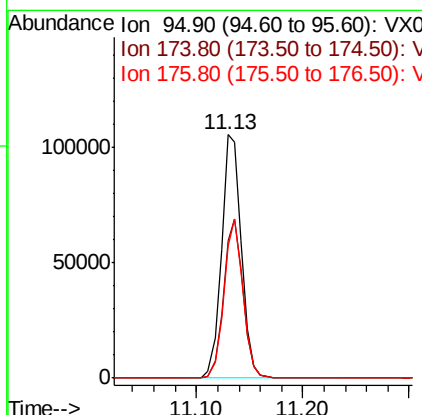
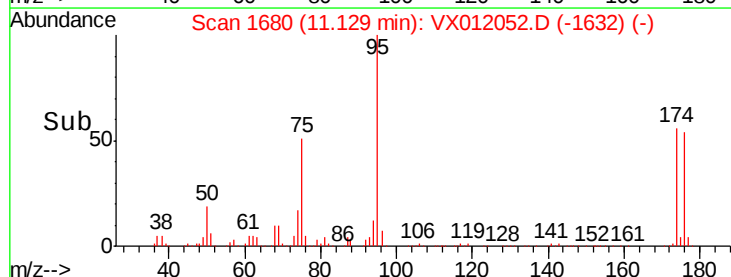
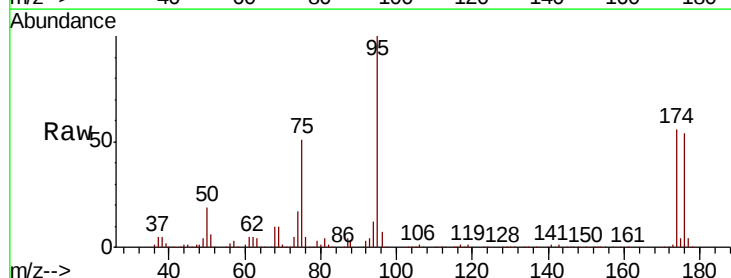
Instrument :
MSVOA_X
ClientSampleId :
T3-S-B2-(2.5)

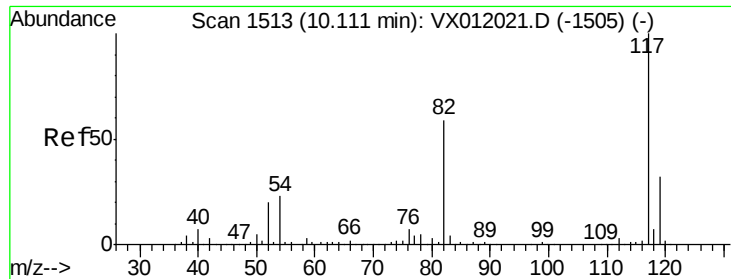
Tgt Ion: 98 Resp: 337877
Ion Ratio Lower Upper
98 100
100 66.6 53.3 79.9



#62
4-Bromofluorobenzene
Concen: 46.384 ug/l
RT: 11.13 min Scan# 1680
Delta R.T. -0.01 min
Lab File: VX012052.D
Acq: 04 Sep 2019 15:20

Tgt Ion: 95 Resp: 136797
Ion Ratio Lower Upper
95 100
174 63.5 0.0 205.4
176 62.3 0.0 201.8

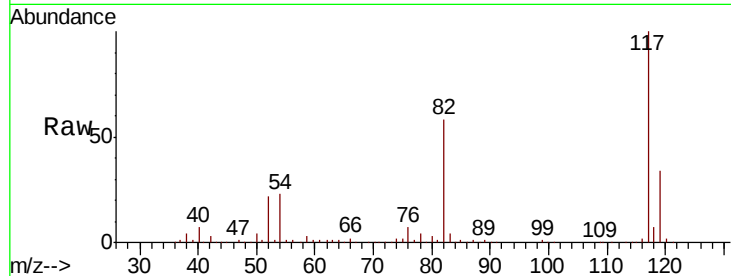




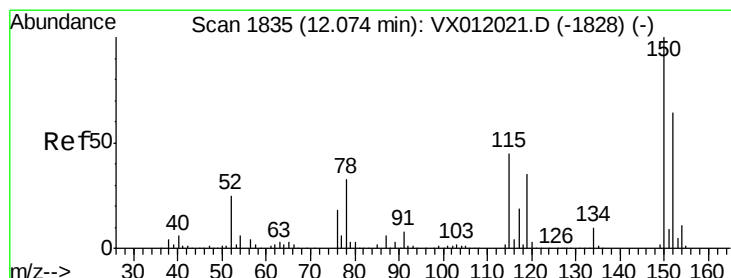
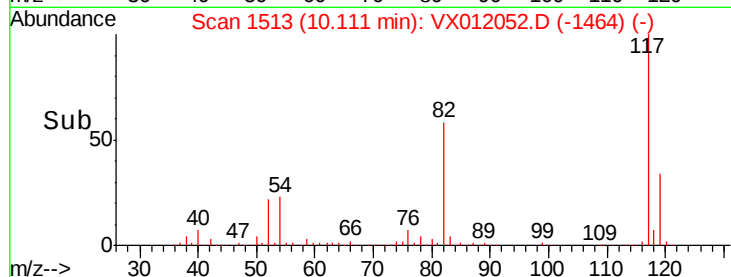
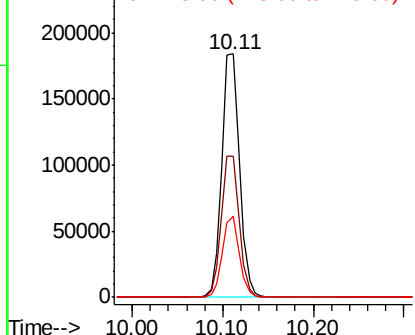
#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 10.11 min Scan# 1513
Delta R.T. -0.00 min
Lab File: VX012052.D
Acq: 04 Sep 2019 15:20

Instrument :
MSVOA_X
ClientSampleId :
T3-S-B2-(2.5)

Tgt Ion:117 Resp: 252545
Ion Ratio Lower Upper
117 100
82 57.9 39.4 59.0
119 33.5 26.1 39.1

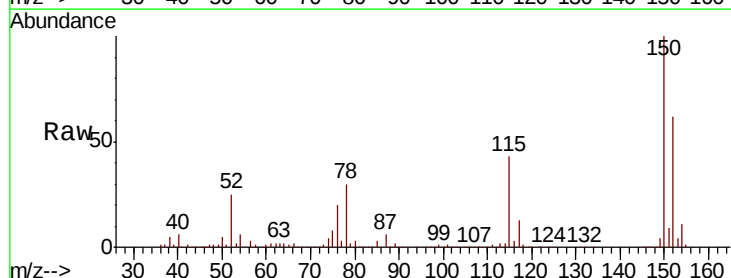


Abundance Ion 116.90 (116.60 to 117.60): V
Ion 82.00 (81.70 to 82.70): VX0
Ion 118.90 (118.60 to 119.60): V

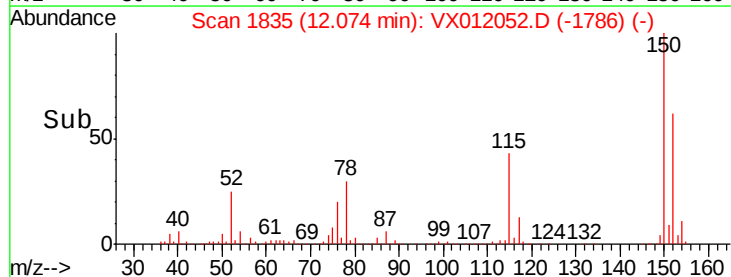
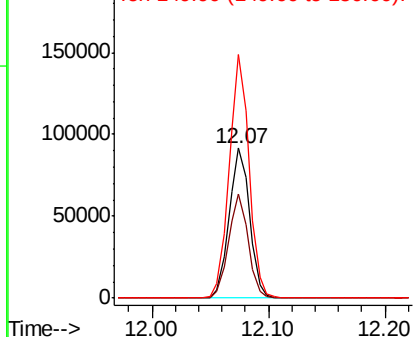


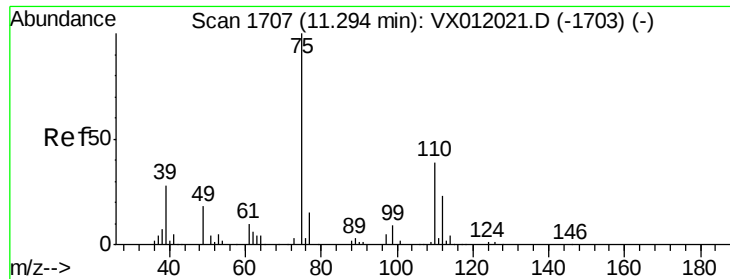
#72
1,4-Dichlorobenzene-d4
Concen: 50.000 ug/l
RT: 12.07 min Scan# 1835
Delta R.T. -0.00 min
Lab File: VX012052.D
Acq: 04 Sep 2019 15:20

Tgt Ion:152 Resp: 111816
Ion Ratio Lower Upper
152 100
115 66.6 36.4 109.3
150 157.5 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: 51.024 ug/l

RT: 11.13 min Scan# 1680

Delta R.T. -0.16 min

Lab File: VX012052.D

Acq: 04 Sep 2019 15:20

Instrument :

MSVOA_X

ClientSampleId :

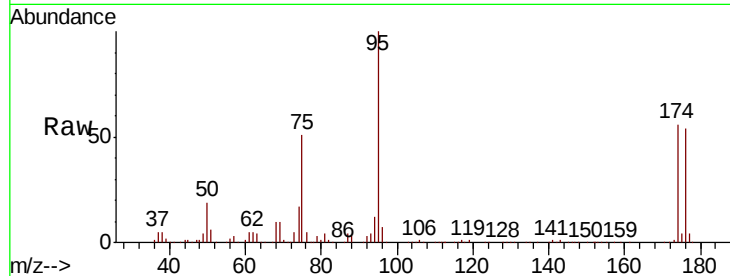
T3-S-B2-(2.5)

Tgt Ion: 75 Resp: 69710

Ion Ratio Lower Upper

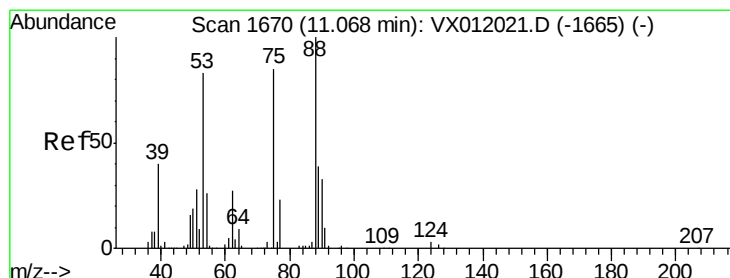
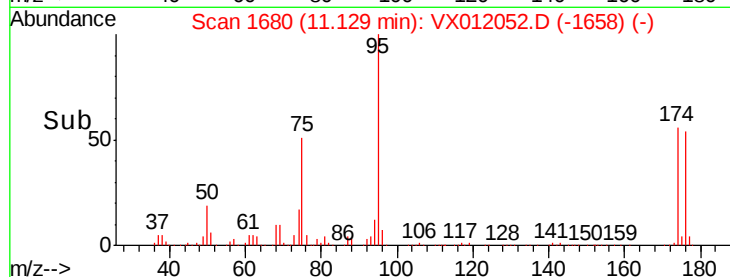
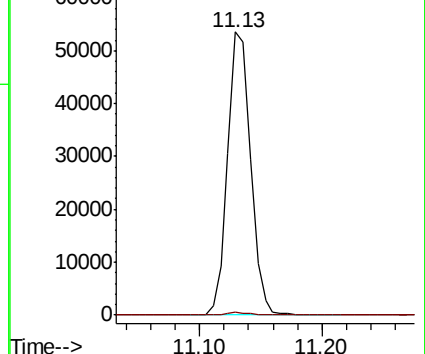
75 100

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: 120.629 ug/l

RT: 11.13 min Scan# 1680

Delta R.T. 0.06 min

Lab File: VX012052.D

Acq: 04 Sep 2019 15:20

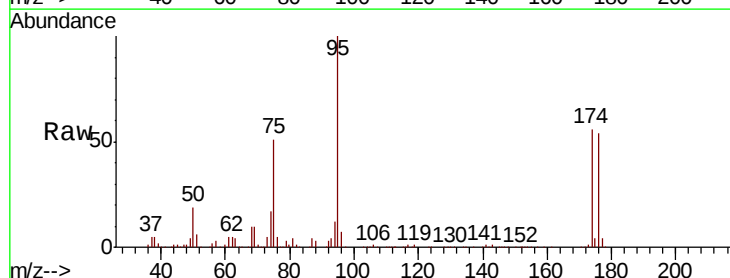
Tgt Ion: 75 Resp: 69710

Ion Ratio Lower Upper

75 100

53 0.0 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

