

Data Path : Z:\VOASRV\HPCHEM1\MSVOA_X\DATA\VX091219\
 Data File : VX012368.D
 Acq On : 13 Sep 2019 00:56
 Operator : SY/SP
 Sample : K4758-04
 Misc : 6.15g/5.0mL/MSVOA_X/SOIL
 ALS Vial : 33 Sample Multiplier: 1

Instrument :
 MSVOA_X
 ClientSampleId :
 B-4-8

Quant Time: Sep 13 02:40:04 2019
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_X\METHOD\82X091019S.M
 Quant Title : SW846 8260
 QLast Update : Tue Sep 10 12:55:26 2019
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Pentafluorobenzene	5.65	168	159753	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	6.85	114	279152	50.00	ug/l	0.00
63) Chlorobenzene-d5	10.11	117	250045	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	12.07	152	121019	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	107059	47.40	ug/l	0.00
Spiked Amount 50.000			Recovery	=	94.80%	
35) Dibromofluoromethane	5.48	113	80933	45.23	ug/l	0.00
Spiked Amount 50.000			Recovery	=	90.46%	
50) Toluene-d8	8.71	98	331268	52.78	ug/l	0.00
Spiked Amount 50.000			Recovery	=	105.56%	
62) 4-Bromofluorobenzene	11.13	95	132473	45.53	ug/l	0.00
Spiked Amount 50.000			Recovery	=	91.06%	

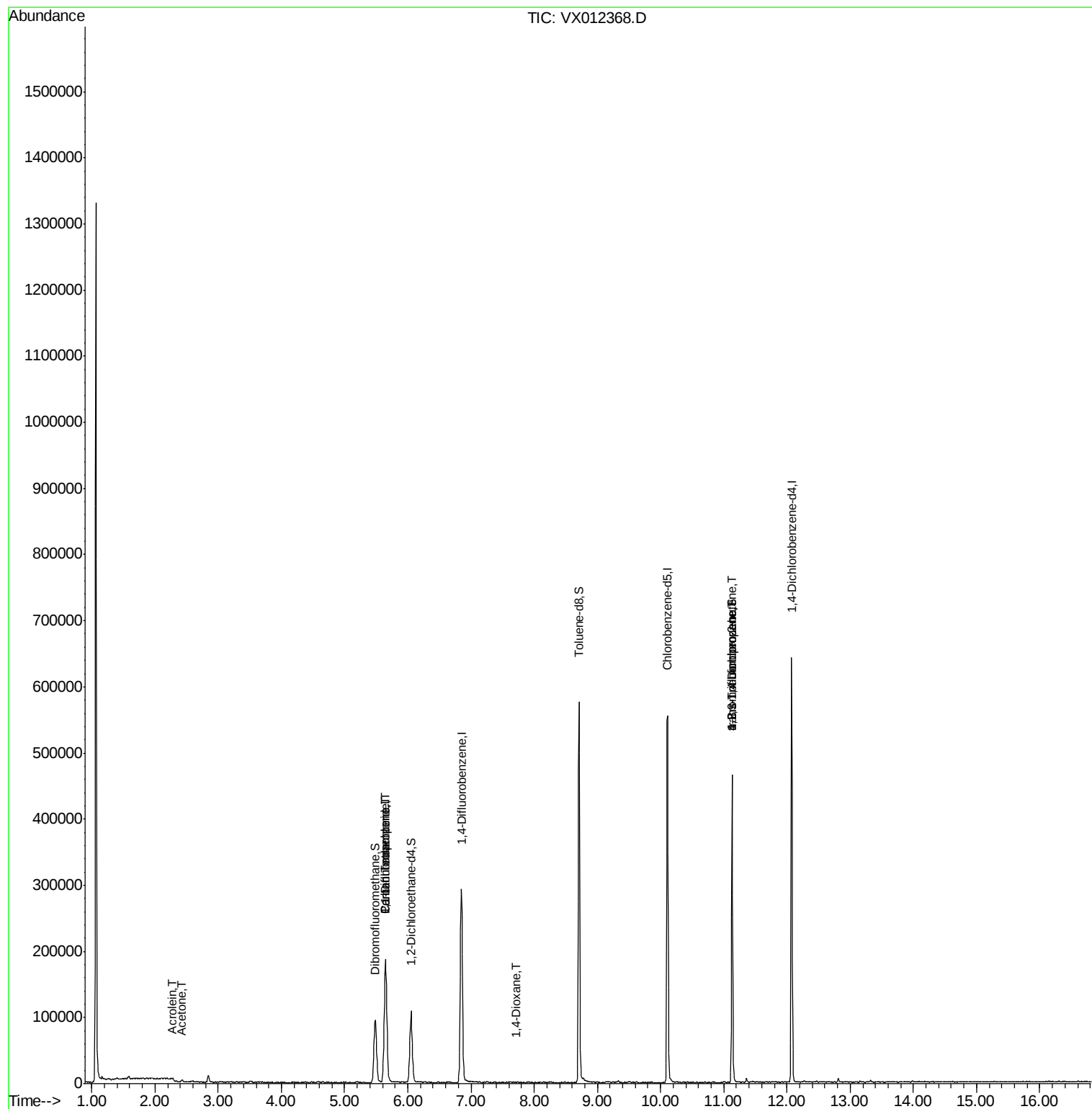
Target Compounds	R.T.	QIon	Response	Conc	Units	Qvalue
5) Bromomethane	1.62	94	172	Below Cal	#	30
11) Tert butyl alcohol	3.05	59	345	Below Cal	#	75
13) Acrolein	2.28	56	500	4.235	ug/l #	59
16) Acetone	2.43	43	2895	5.414	ug/l	91
36) 1,1-Dichloropropene	5.64	75	14578	7.162	ug/l #	52
38) Carbon Tetrachloride	5.65	117	18671	7.818	ug/l #	14
49) 1,4-Dioxane	7.71	88	25	1.459	ug/l #	1
76) 1,2,3-Trichloropropane	11.14	75	69867	44.940	ug/l #	38
81) trans-1,4-Dichloro-2-buten	11.14	75	69867	134.651	ug/l #	5

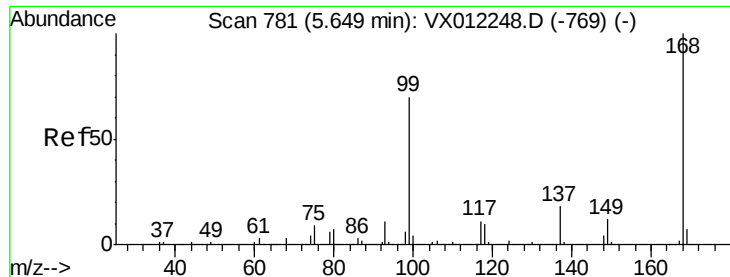
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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Quant Title : SW846 8260
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Response via : Initial Calibration





#1

Pentafluorobenzene

Concen: 50.000 ug/l

RT: 5.65 min Scan# 781

Delta R.T. -0.00 min

Lab File: VX012368.D

Acq: 13 Sep 2019 00:56

Instrument :

MSVOA_X

ClientSampleId :

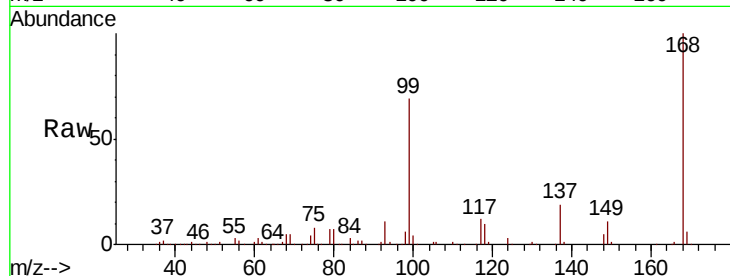
B-4-8

Tgt Ion: 168 Resp: 159753

Ion Ratio Lower Upper

168 100

99 68.8 55.8 83.6



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

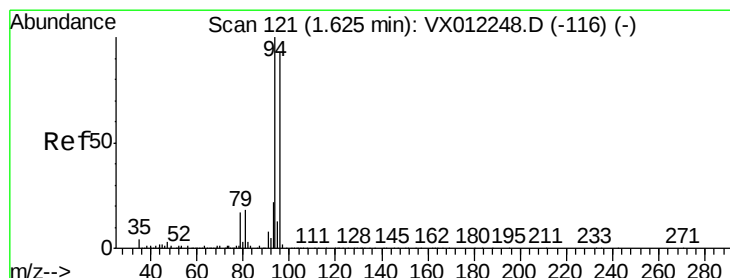
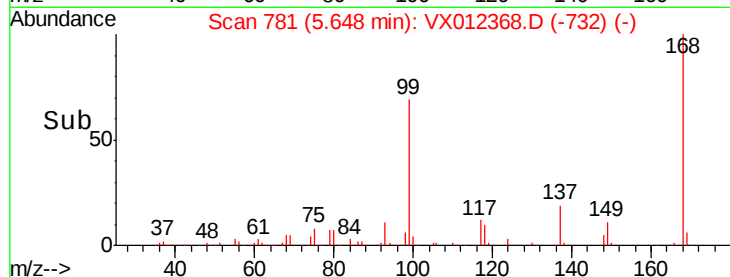
20000

10000

0

Time-->

5.50 5.60 5.70 5.80



#5

Bromomethane

Concen: Below Cal

RT: 1.62 min Scan# 121

Delta R.T. 0.00 min

Lab File: VX012368.D

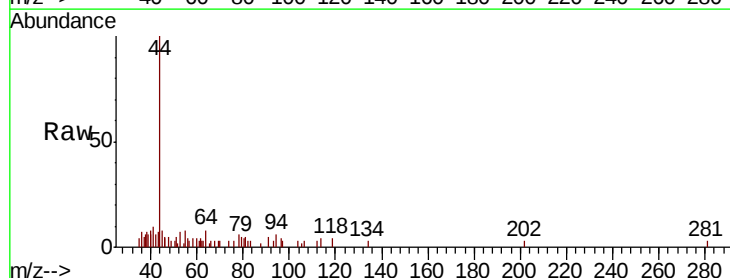
Acq: 13 Sep 2019 00:56

Tgt Ion: 94 Resp: 172

Ion Ratio Lower Upper

94 100

96 25.6 74.0 111.0#



Abundance Ion 93.90 (93.60 to 94.60): VX0

Ion 95.90 (95.60 to 96.60): VX0

200

150

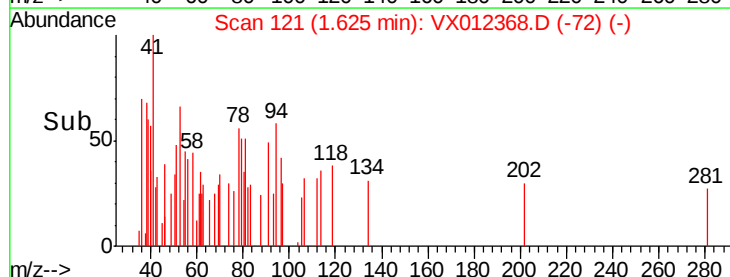
100

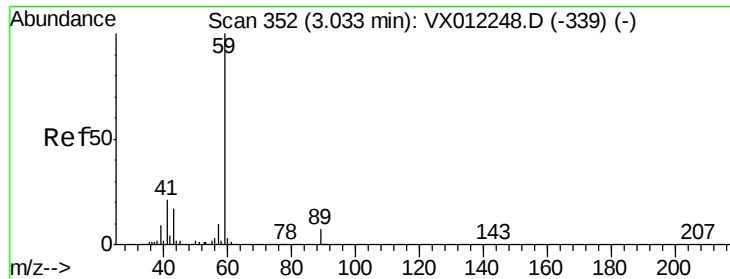
50

0

Time-->

1.60 1.61 1.62 1.63

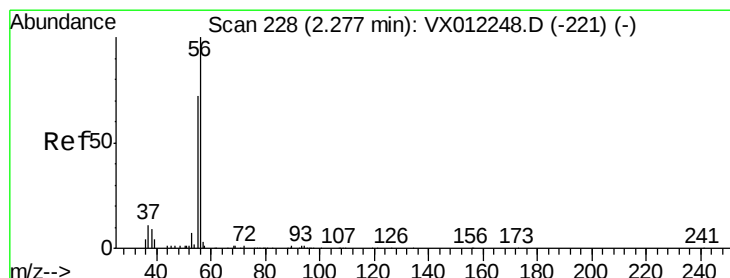
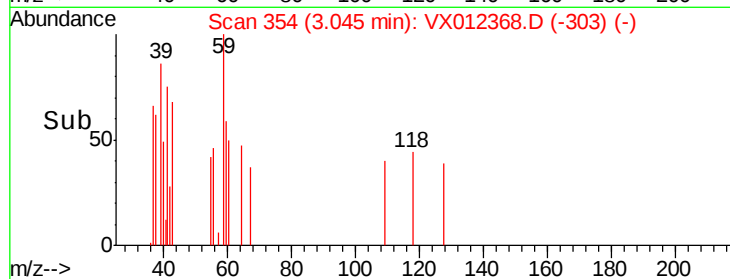
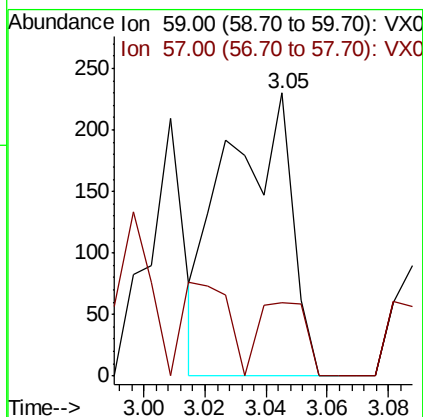
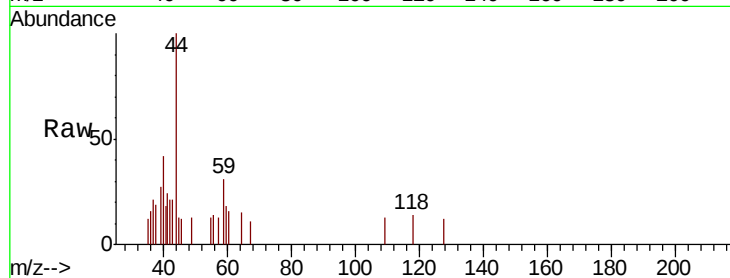




#11
Tert butyl alcohol
Concen: Below Cal
RT: 3.05 min Scan# 354
Delta R.T. 0.01 min
Lab File: VX012368.D
Acq: 13 Sep 2019 00:56

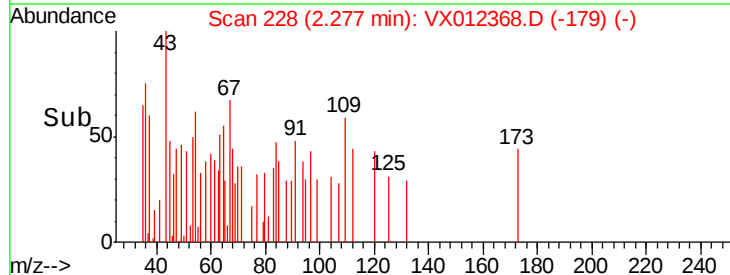
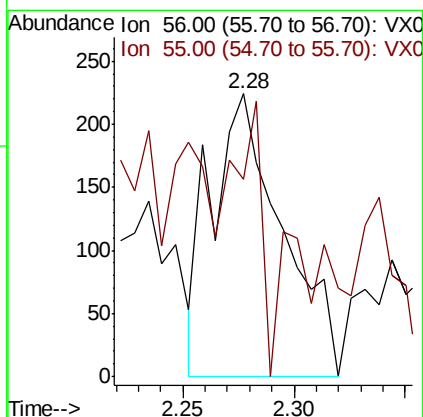
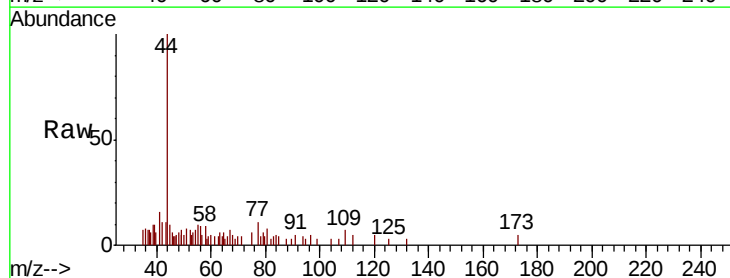
Instrument :
MSVOA_X
ClientSampled :
B-4-8

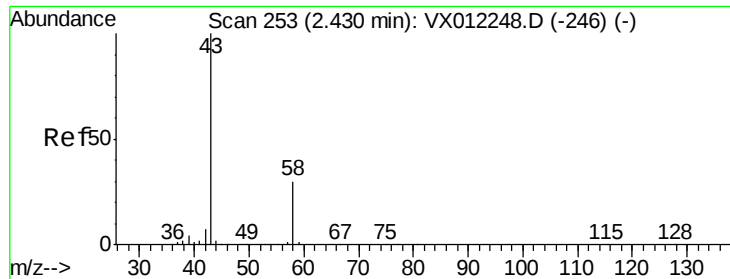
Tgt Ion: 59 Resp: 345
Ion Ratio Lower Upper
59 100
57 18.8 7.8 11.6#



#13
Acrolein
Concen: 4.235 ug/l
RT: 2.28 min Scan# 228
Delta R.T. -0.00 min
Lab File: VX012368.D
Acq: 13 Sep 2019 00:56

Tgt Ion: 56 Resp: 500
Ion Ratio Lower Upper
56 100
55 40.0 59.8 89.6#





#16

Acetone

Concen: 5.414 ug/l

RT: 2.43 min Scan# 253

Delta R.T. -0.00 min

Lab File: VX012368.D

Acq: 13 Sep 2019 00:56

Instrument :

MSVOA_X

ClientSampleId :

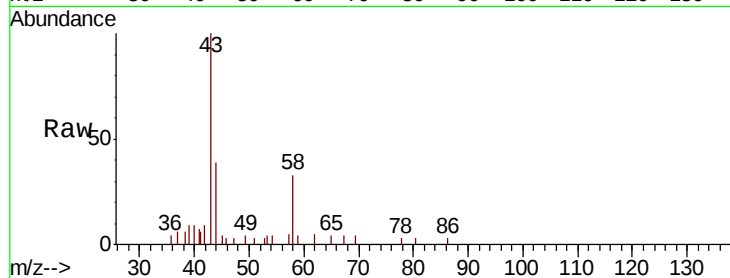
B-4-8

Tgt Ion: 43 Resp: 2895

Ion Ratio Lower Upper

43 100

58 34.2 23.6 35.4



Abundance Ion 43.00 (42.70 to 43.70): VX0

Ion 58.00 (57.70 to 58.70): VX0

2.43

2000

1500

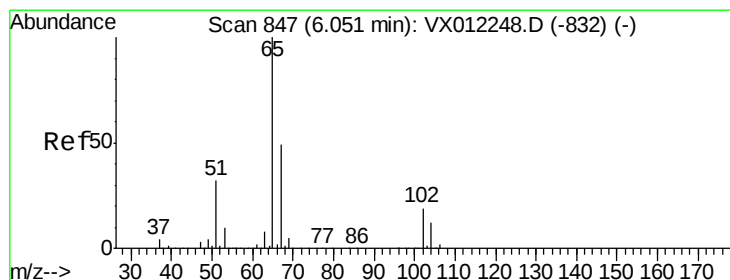
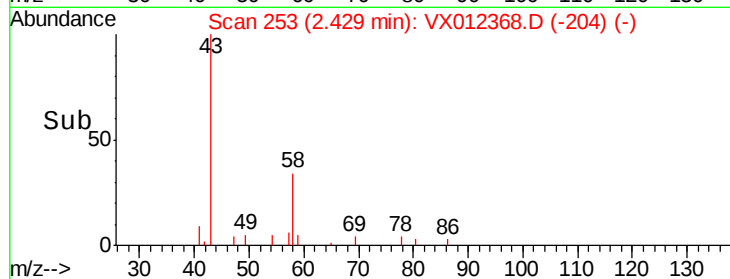
1000

500

0

Time-->

2.35 2.40 2.45 2.50



#33

1,2-Dichloroethane-d4

Concen: 47.401 ug/l

RT: 6.05 min Scan# 847

Delta R.T. -0.00 min

Lab File: VX012368.D

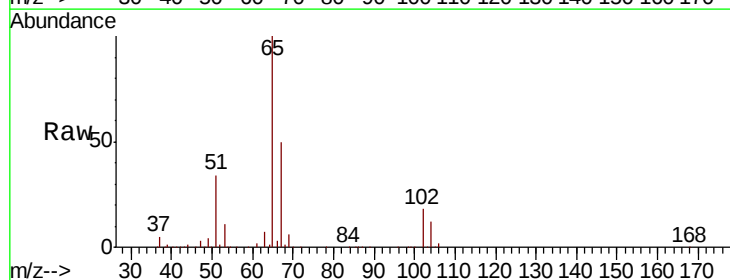
Acq: 13 Sep 2019 00:56

Tgt Ion: 65 Resp: 107059

Ion Ratio Lower Upper

65 100

67 50.6 0.0 99.8



Abundance Ion 64.90 (64.60 to 65.60): VX0

Ion 66.90 (66.60 to 67.60): VX0

6.05

40000

30000

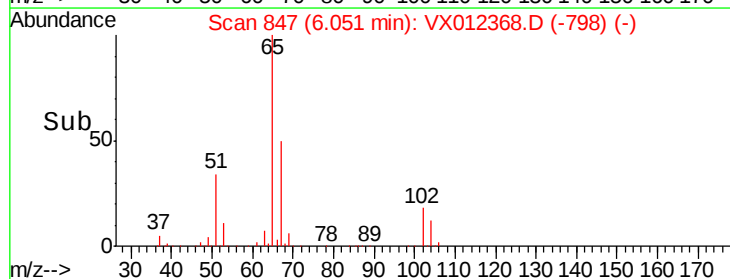
20000

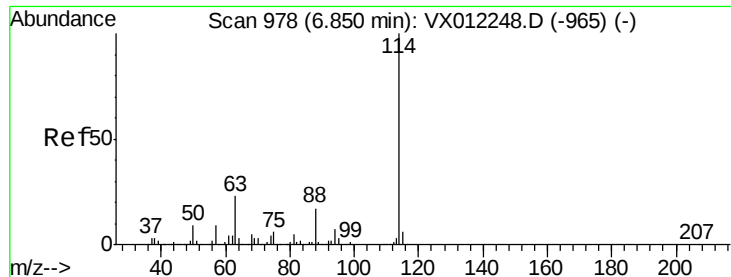
10000

0

Time-->

5.90 6.00 6.10





#34

1,4-Difluorobenzene

Concen: 50.000 ug/l

RT: 6.85 min Scan# 978

Delta R.T. -0.00 min

Lab File: VX012368.D

Acq: 13 Sep 2019 00:56

Instrument :

MSVOA_X

ClientSampleId :

B-4-8

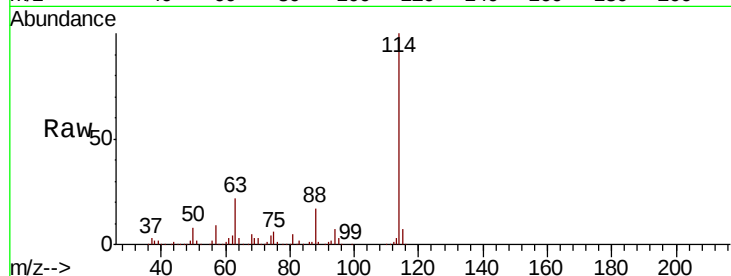
Tgt Ion:114 Resp: 279152

Ion Ratio Lower Upper

114 100

63 22.0 0.0 45.2

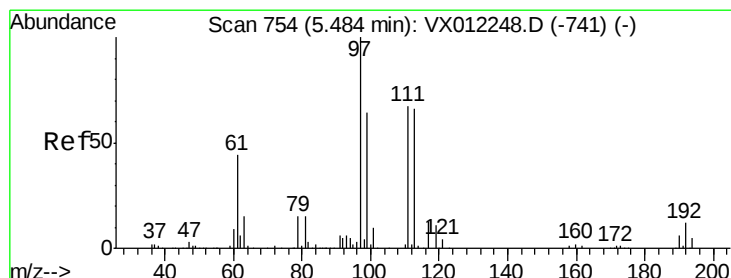
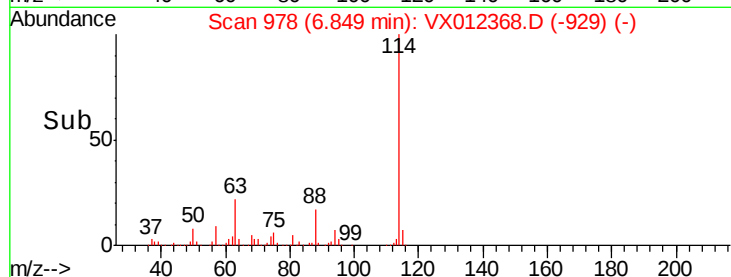
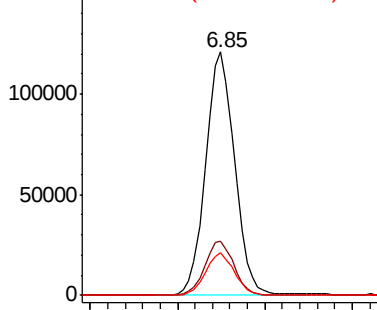
88 17.4 0.0 34.8



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: 45.227 ug/l

RT: 5.48 min Scan# 754

Delta R.T. -0.00 min

Lab File: VX012368.D

Acq: 13 Sep 2019 00:56

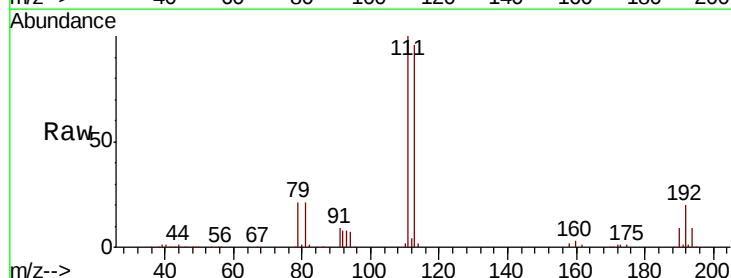
Tgt Ion:113 Resp: 80933

Ion Ratio Lower Upper

113 100

111 104.1 83.0 124.6

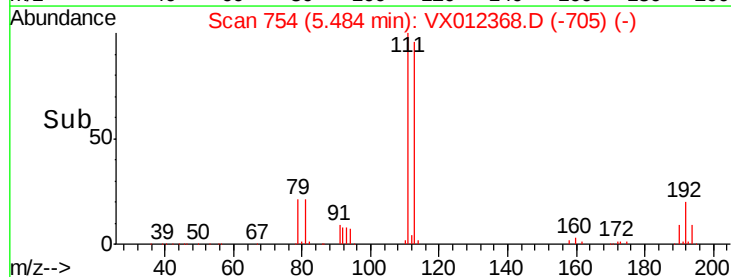
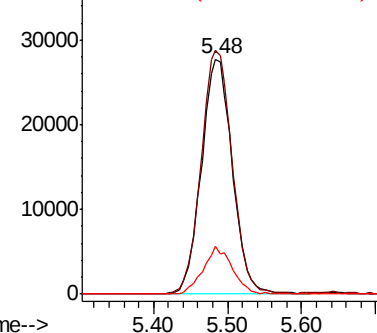
192 18.9 14.3 21.5

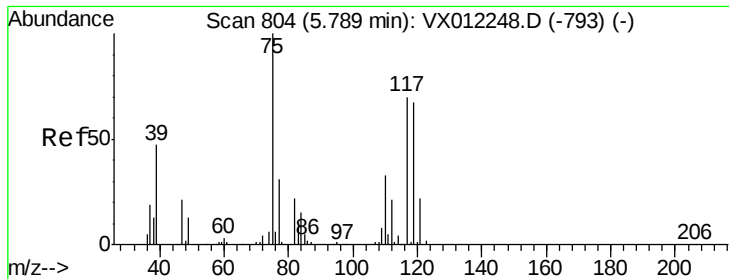


Abundance Ion 112.80 (112.50 to 113.50): V

Ion 110.80 (110.50 to 111.50): V

Ion 191.70 (191.40 to 192.40): V

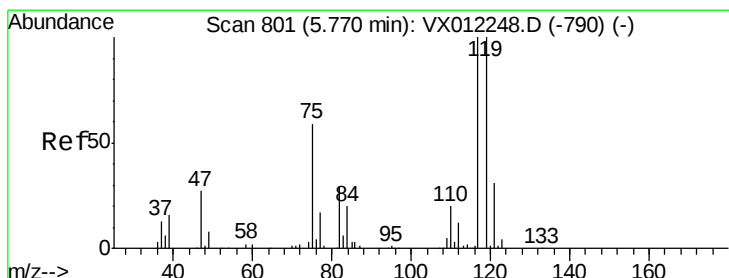
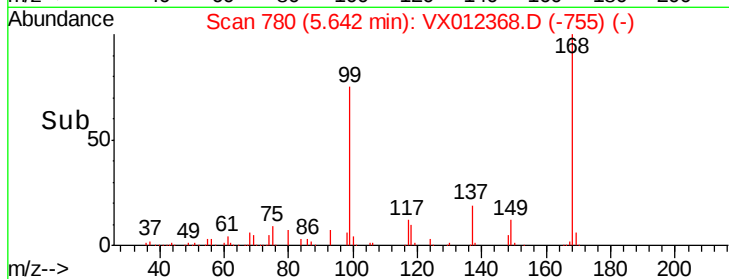
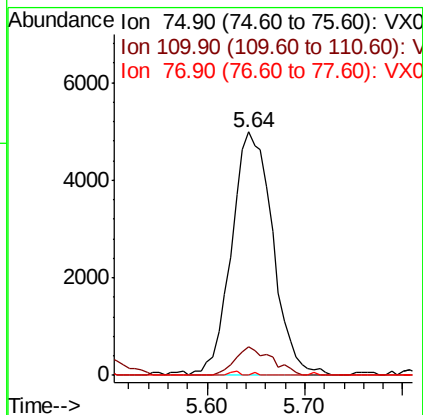
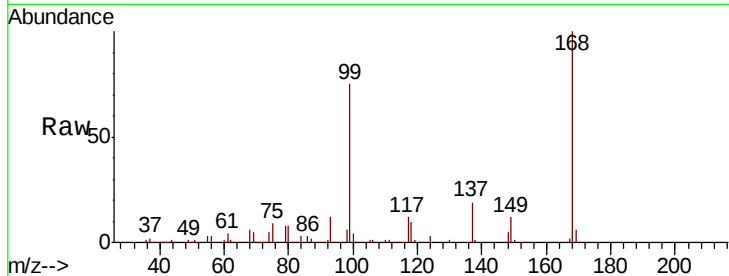




#36
 1,1-Dichloropropene
 Concen: 7.162 ug/l
 RT: 5.64 min Scan# 780
 Delta R.T. -0.15 min
 Lab File: VX012368.D
 Acq: 13 Sep 2019 00:56

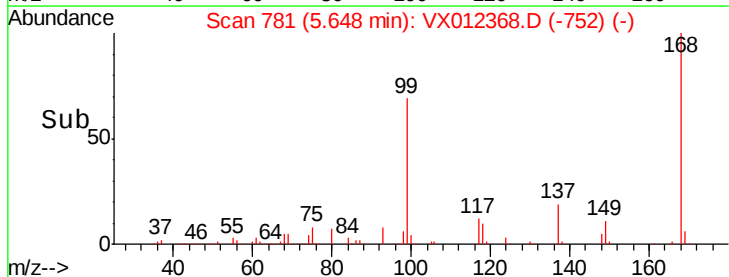
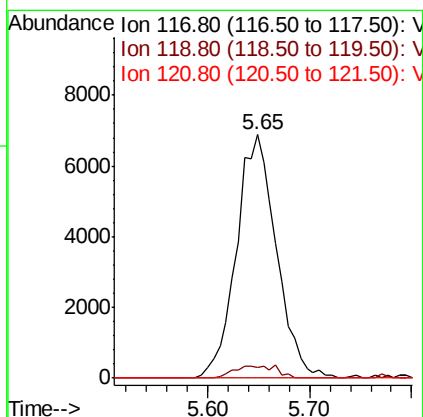
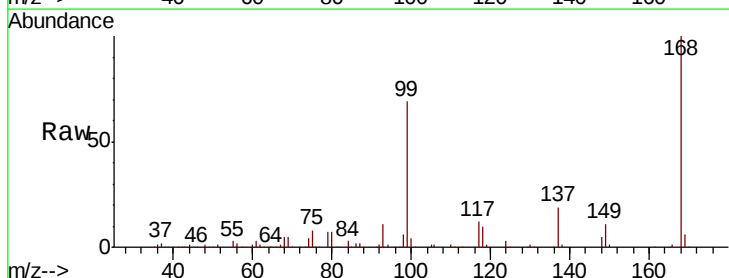
Instrument :
 MSVOA_X
 ClientSampled :
 B-4-8

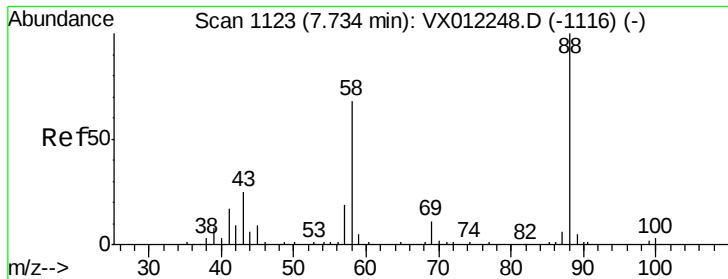
Tgt Ion: 75 Resp: 14578
 Ion Ratio Lower Upper
 75 100
 110 10.3 16.8 50.4#
 77 0.1 24.5 36.7#



#38
 Carbon Tetrachloride
 Concen: 7.818 ug/l
 RT: 5.65 min Scan# 781
 Delta R.T. -0.12 min
 Lab File: VX012368.D
 Acq: 13 Sep 2019 00:56

Tgt Ion: 117 Resp: 18671
 Ion Ratio Lower Upper
 117 100
 119 4.2 79.6 119.4#
 121 0.0 24.7 37.1#





#49

1,4-Dioxane

Concen: 1.459 ug/l

RT: 7.71 min Scan# 1119

Delta R.T. -0.02 min

Lab File: VX012368.D

Acq: 13 Sep 2019 00:56

Instrument :

MSVOA_X

ClientSampled :

B-4-8

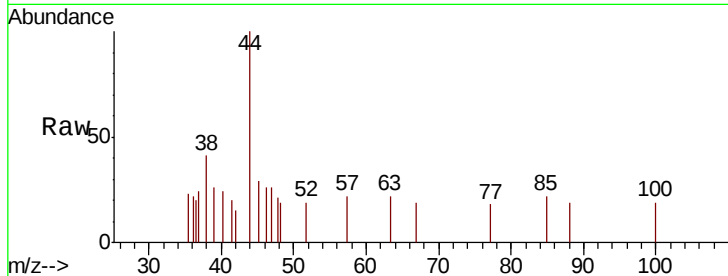
Tgt Ion: 88 Resp: 25

Ion Ratio Lower Upper

88 100

43 176.0 31.0 46.4#

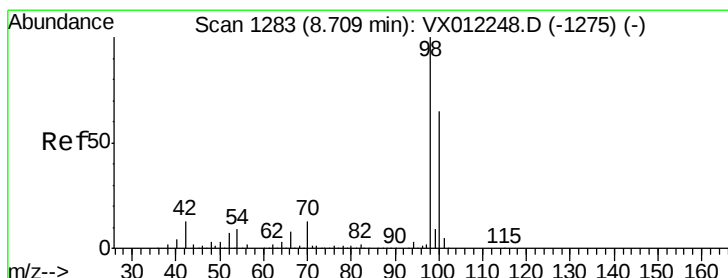
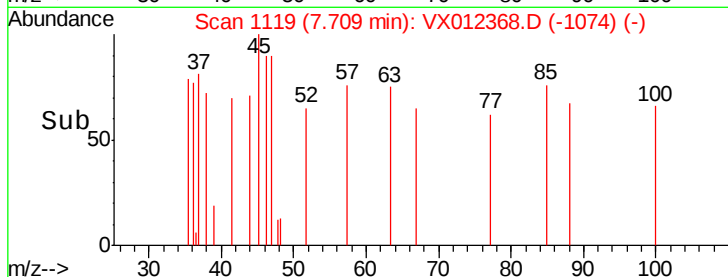
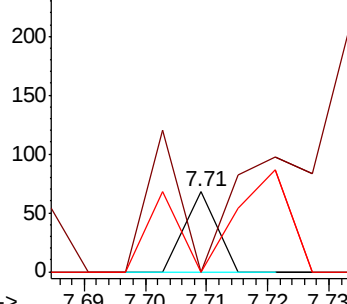
58 0.0 61.5 92.3#



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: 52.780 ug/l

RT: 8.71 min Scan# 1283

Delta R.T. -0.00 min

Lab File: VX012368.D

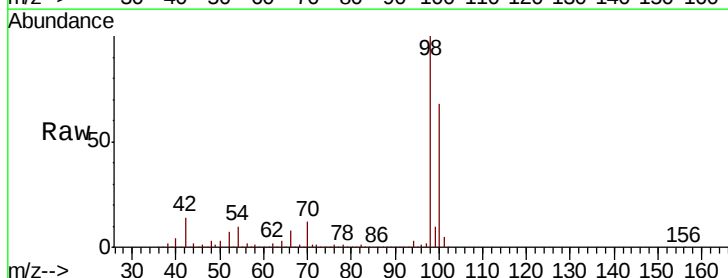
Acq: 13 Sep 2019 00:56

Tgt Ion: 98 Resp: 331268

Ion Ratio Lower Upper

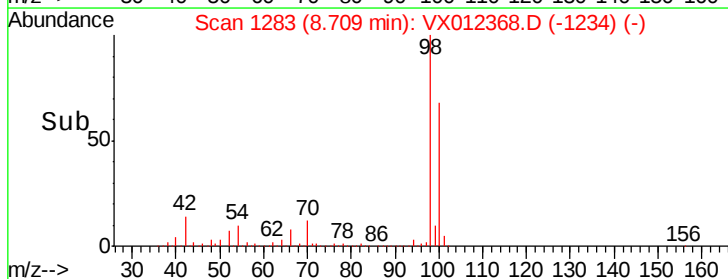
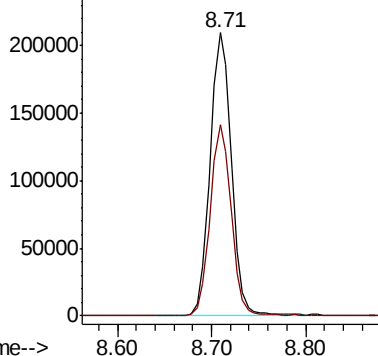
98 100

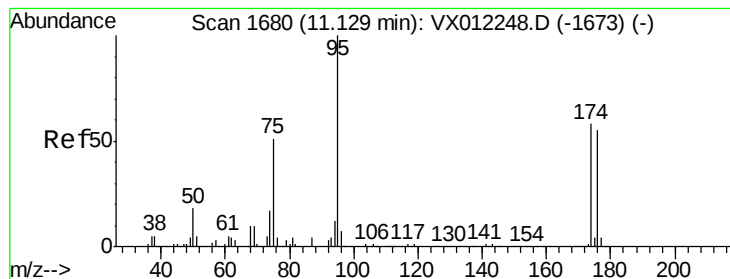
100 66.8 54.1 81.1



Abundance Ion 98.00 (97.70 to 98.70): VX0

Ion 100.00 (99.70 to 100.70): V





#62

4-Bromofluorobenzene

Concen: 45.528 ug/l

RT: 11.13 min Scan# 1680

Delta R.T. -0.00 min

Lab File: VX012368.D

Acq: 13 Sep 2019 00:56

Instrument :

MSVOA_X

ClientSampled :

B-4-8

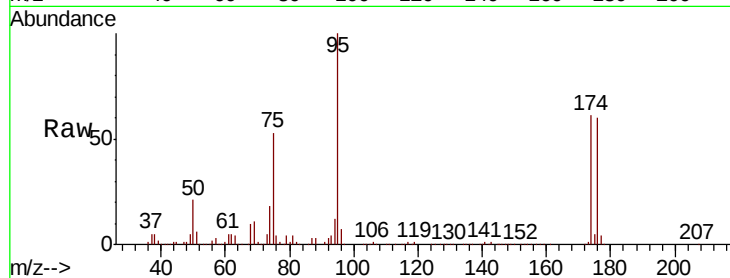
Tgt Ion: 95 Resp: 132473

Ion Ratio Lower Upper

95 100

174 67.3 0.0 127.0

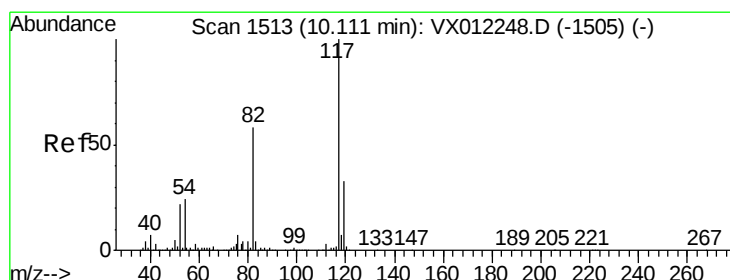
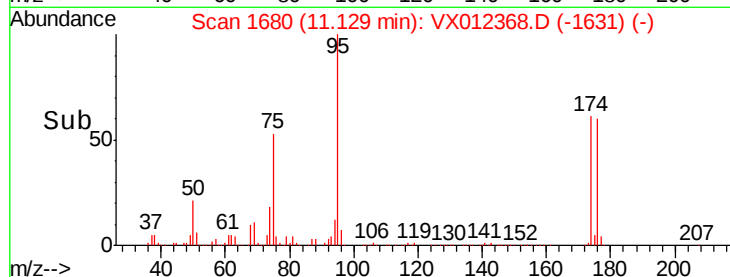
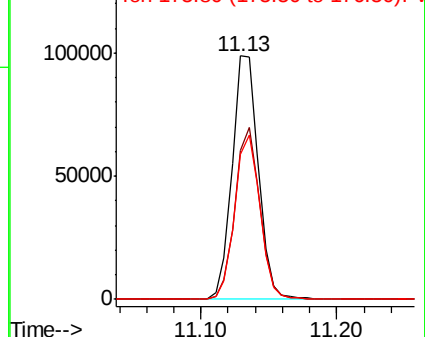
176 65.3 0.0 125.8



Abundance Ion 94.90 (94.60 to 95.60): VX0

Ion 173.80 (173.50 to 174.50): VX0

Ion 175.80 (175.50 to 176.50): VX0



#63

Chlorobenzene-d5

Concen: 50.000 ug/l

RT: 10.11 min Scan# 1513

Delta R.T. -0.00 min

Lab File: VX012368.D

Acq: 13 Sep 2019 00:56

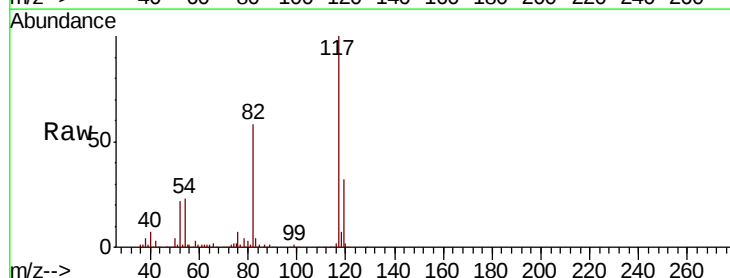
Tgt Ion: 117 Resp: 250045

Ion Ratio Lower Upper

117 100

82 57.9 46.4 69.6

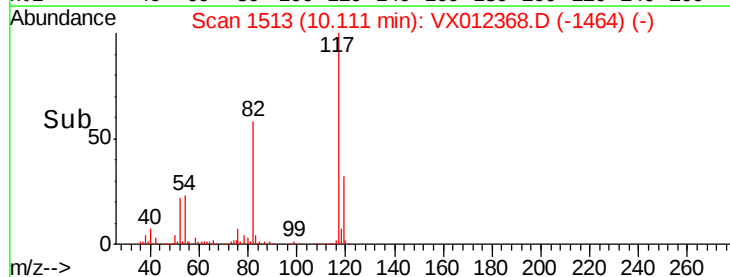
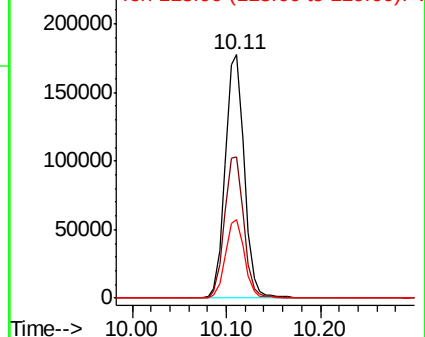
119 32.0 26.6 39.8

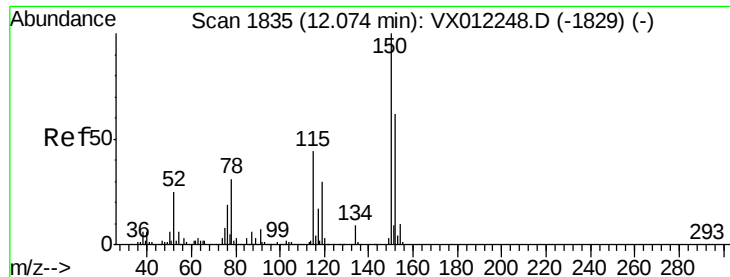


Abundance Ion 116.90 (116.60 to 117.60): VX0

Ion 82.00 (81.70 to 82.70): VX0

Ion 118.90 (118.60 to 119.60): 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: VX012368.D

Acq: 13 Sep 2019 00:56

Instrument :

MSVOA_X

ClientSampleId :

B-4-8

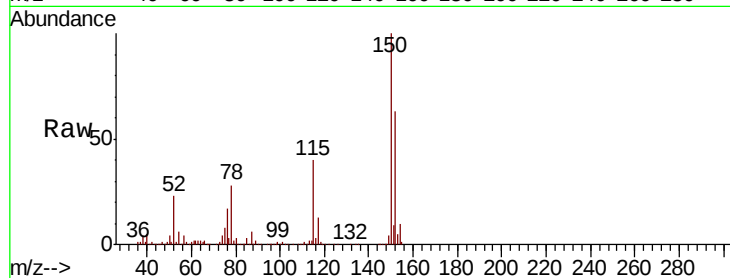
Tgt Ion:152 Resp: 121019

Ion Ratio Lower Upper

152 100

115 64.3 45.5 136.4

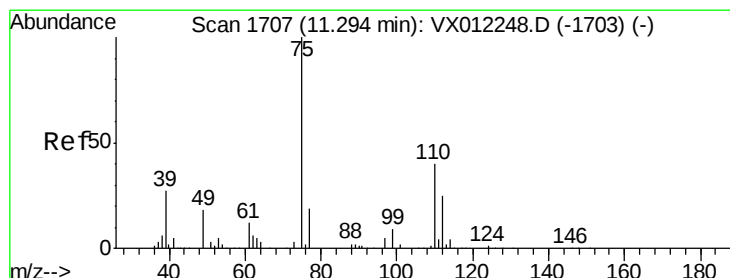
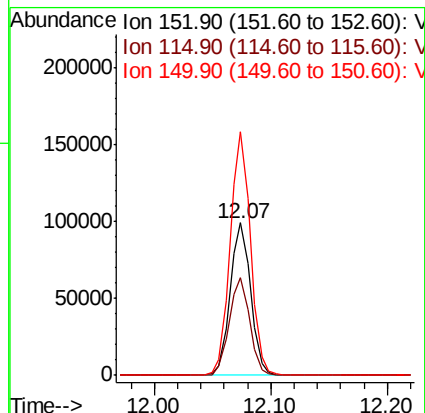
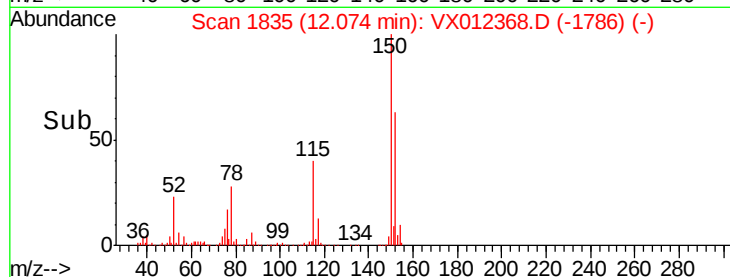
150 158.0 0.0 346.4



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: 44.940 ug/l

RT: 11.14 min Scan# 1681

Delta R.T. -0.16 min

Lab File: VX012368.D

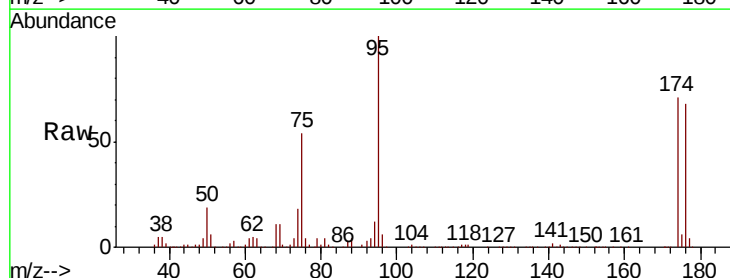
Acq: 13 Sep 2019 00:56

Tgt Ion: 75 Resp: 69867

Ion Ratio Lower Upper

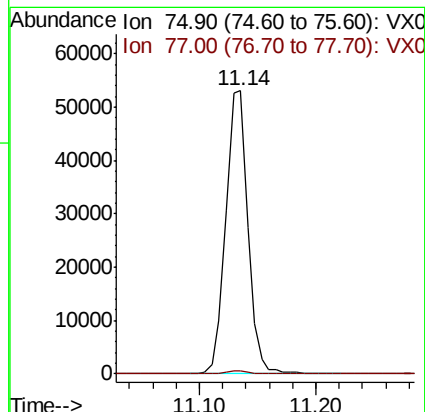
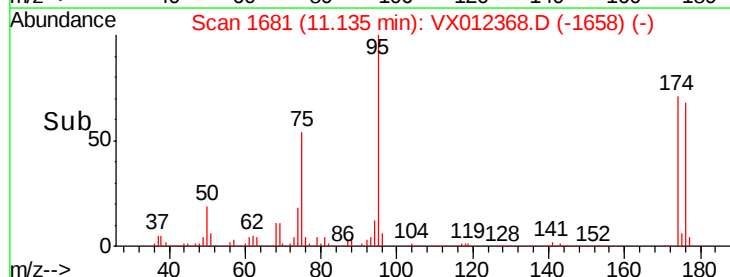
75 100

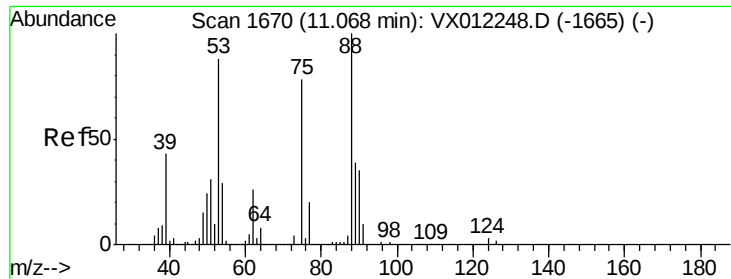
77 1.2 19.7 59.0#



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: 134.651 ug/l

RT: 11.14 min Scan# 1681

Delta R.T. 0.07 min

Lab File: VX012368.D

Acq: 13 Sep 2019 00:56

Instrument :

MSVOA_X

ClientSampleId :

B-4-8

Tgt Ion: 75 Resp: 69867

Ion Ratio Lower Upper

75 100

53 0.3 88.1 132.1#

89 0.0 43.5 65.3#

