

Data Path : Z:\VOASRV\HPCHEM1\MSVOA_X\DATA\VX091219\
 Data File : VX012367.D
 Acq On : 13 Sep 2019 00:28
 Operator : SY/SP
 Sample : K4758-02
 Misc : 7.90g/5.0mL/MSVOA_X/SOIL
 ALS Vial : 32 Sample Multiplier: 1

Instrument :
 MSVOA_X
 ClientSampleId :
 B-0-4

Quant Time: Sep 13 02:03:27 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	166714	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	6.85	114	283777	50.00	ug/l	0.00
63) Chlorobenzene-d5	10.11	117	255107	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	12.07	152	121606	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	111640	47.37	ug/l	0.00
Spiked Amount 50.000			Recovery	=	94.74%	
35) Dibromofluoromethane	5.48	113	84431	46.41	ug/l	0.00
Spiked Amount 50.000			Recovery	=	92.82%	
50) Toluene-d8	8.71	98	338535	53.06	ug/l	0.00
Spiked Amount 50.000			Recovery	=	106.12%	
62) 4-Bromofluorobenzene	11.14	95	134028	45.31	ug/l	0.00
Spiked Amount 50.000			Recovery	=	90.62%	

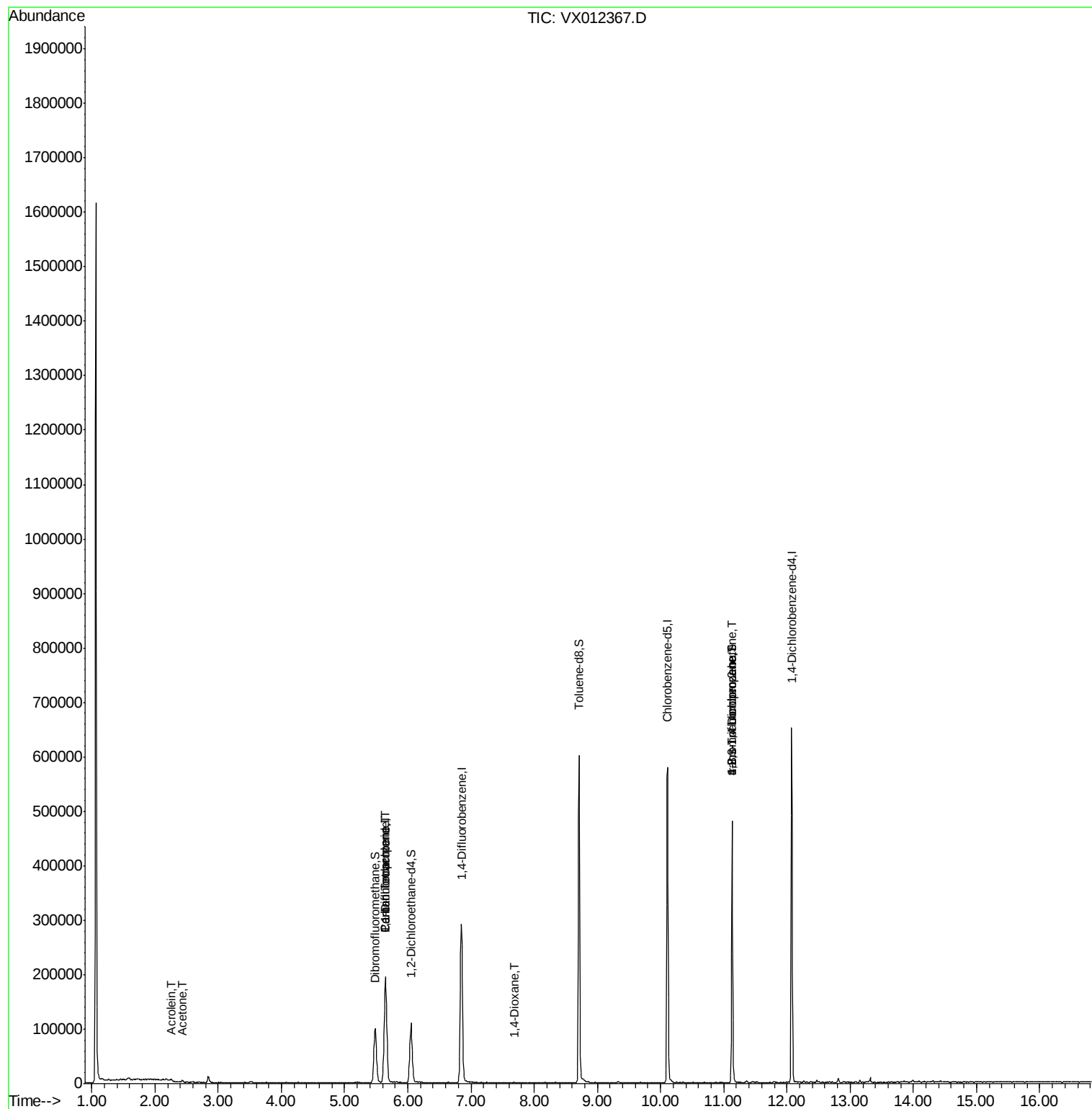
Target Compounds	R.T.	QIon	Response	Conc	Units	Qvalue
5) Bromomethane	1.64	94	321	Below Cal		98
11) Tert butyl alcohol	3.02	59	480	Below Cal	#	41
13) Acrolein	2.26	56	141	1.144	ug/l #	12
16) Acetone	2.43	43	3063	5.490	ug/l #	79
36) 1,1-Dichloropropene	5.65	75	14723	7.115	ug/l #	51
38) Carbon Tetrachloride	5.65	117	18764	7.729	ug/l #	15
49) 1,4-Dioxane	7.68	88	53	3.043	ug/l #	1
76) 1,2,3-Trichloropropane	11.14	75	71441	45.731	ug/l #	38
81) trans-1,4-Dichloro-2-buten	11.14	75	71441	137.020	ug/l #	6

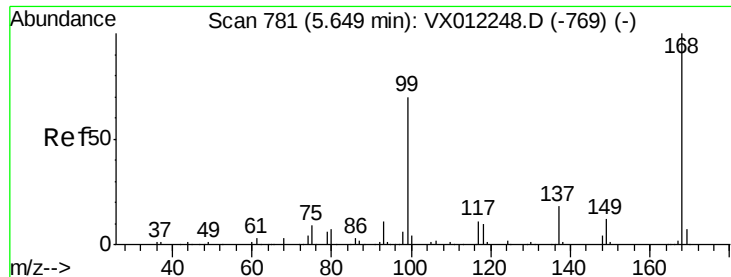
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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Quant Title : SW846 8260
QLast Update : Tue Sep 10 12:55:26 2019
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: VX012367.D

Acq: 13 Sep 2019 00:28

Instrument :

MSVOA_X

ClientSampled :

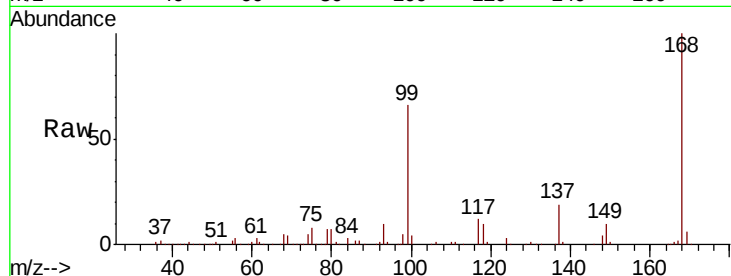
B-0-4

Tgt Ion: 168 Resp: 166714

Ion Ratio Lower Upper

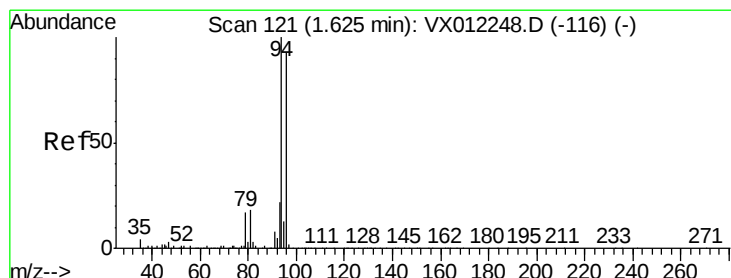
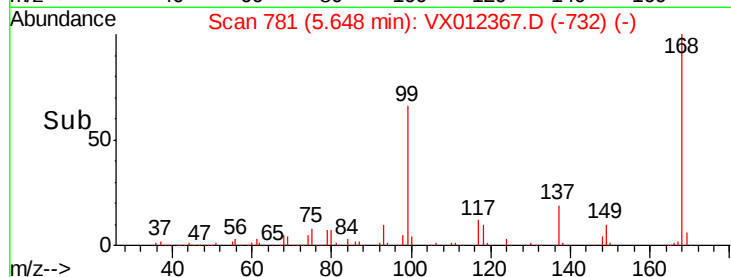
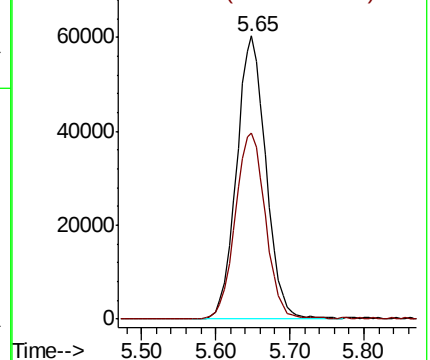
168 100

99 65.6 55.8 83.6



Abundance Ion 167.90 (167.60 to 168.60): V

Ion 98.90 (98.60 to 99.60): VX0



#5

Bromomethane

Concen: Below Cal

RT: 1.64 min Scan# 123

Delta R.T. 0.01 min

Lab File: VX012367.D

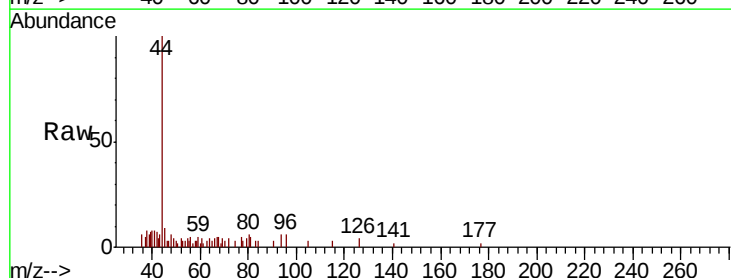
Acq: 13 Sep 2019 00:28

Tgt Ion: 94 Resp: 321

Ion Ratio Lower Upper

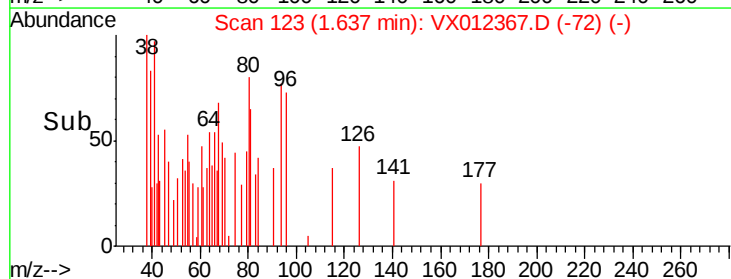
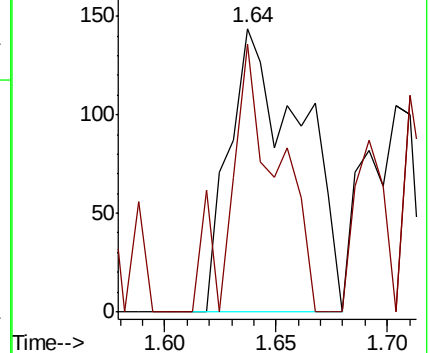
94 100

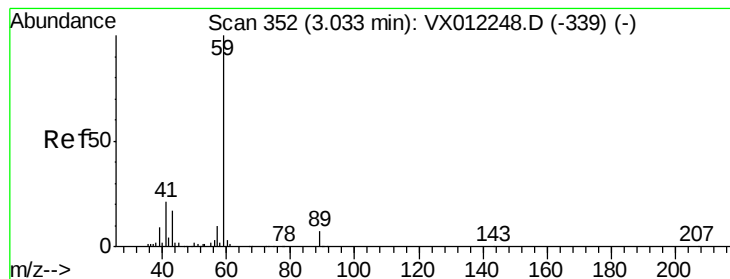
96 94.4 74.0 111.0



Abundance Ion 93.90 (93.60 to 94.60): VX0

Ion 95.90 (95.60 to 96.60): VX0





#11

Tert butyl alcohol

Concen: Below Cal

RT: 3.02 min Scan# 350

Delta R.T. -0.01 min

Lab File: VX012367.D

Acq: 13 Sep 2019 00:28

Instrument :

MSVOA_X

ClientSampled :

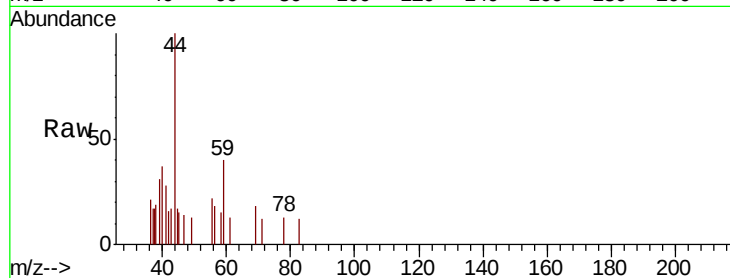
B-0-4

Tgt Ion: 59 Resp: 480

Ion Ratio Lower Upper

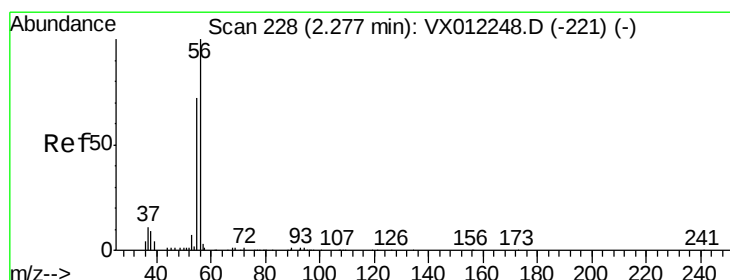
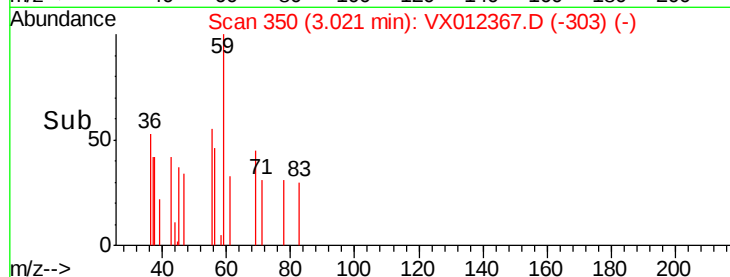
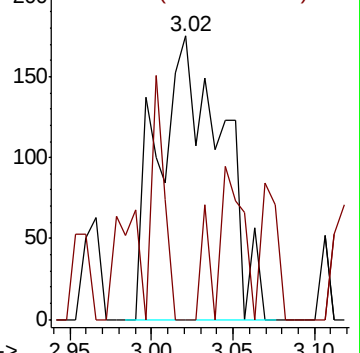
59 100

57 31.3 7.8 11.6#



Abundance Ion 59.00 (58.70 to 59.70): VX0

Ion 57.00 (56.70 to 57.70): VX0



#13

Acrolein

Concen: 1.144 ug/l

RT: 2.26 min Scan# 225

Delta R.T. -0.02 min

Lab File: VX012367.D

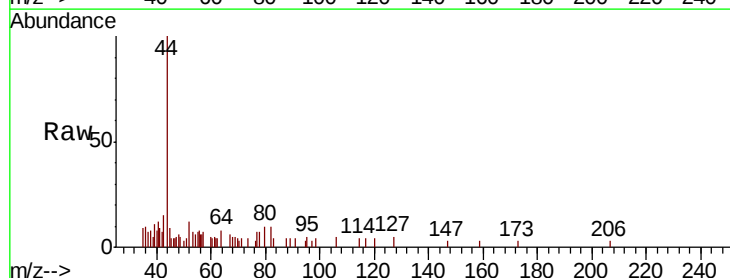
Acq: 13 Sep 2019 00:28

Tgt Ion: 56 Resp: 141

Ion Ratio Lower Upper

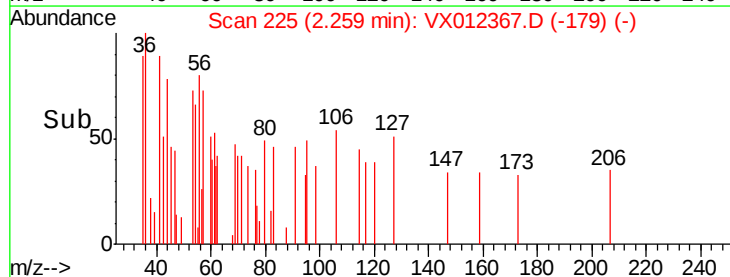
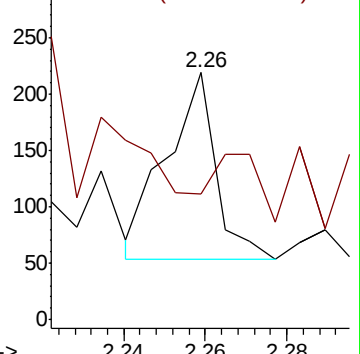
56 100

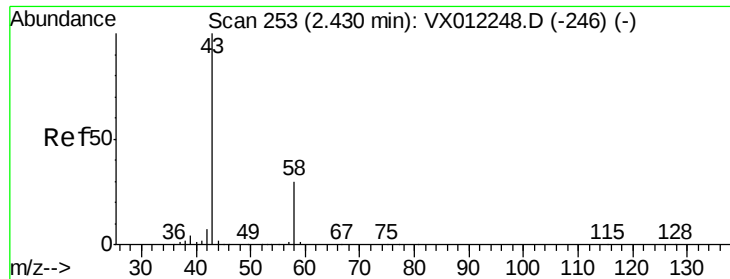
55 0.0 59.8 89.6#



Abundance Ion 56.00 (55.70 to 56.70): VX0

Ion 55.00 (54.70 to 55.70): VX0





#16

Acetone

Concen: 5.490 ug/l

RT: 2.43 min Scan# 253

Delta R.T. -0.00 min

Lab File: VX012367.D

Acq: 13 Sep 2019 00:28

Instrument :

MSVOA_X

ClientSampleId :

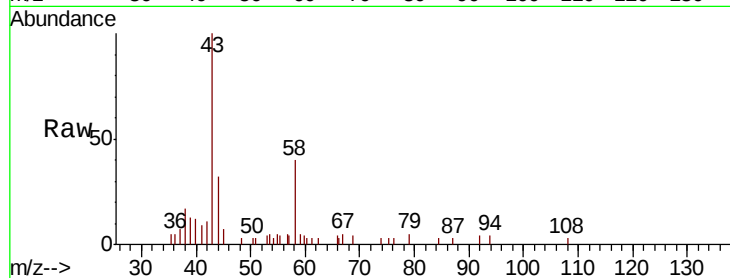
B-0-4

Tgt Ion: 43 Resp: 3063

Ion Ratio Lower Upper

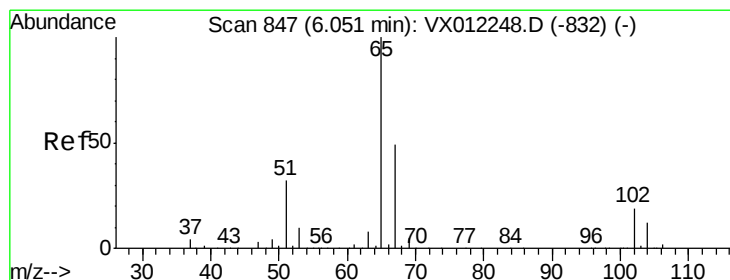
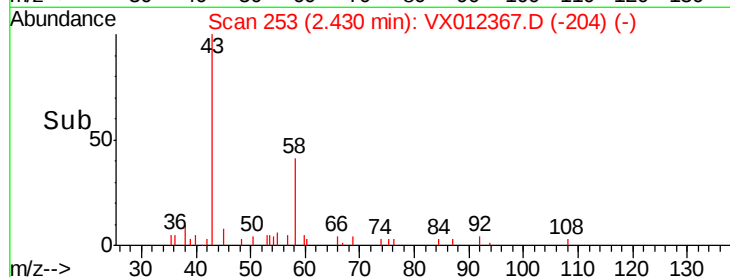
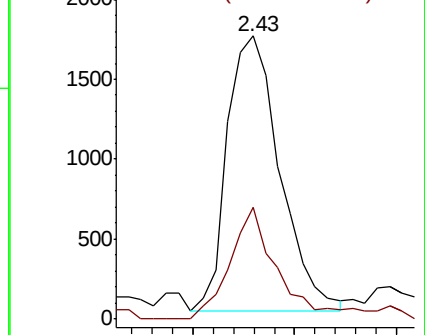
43 100

58 41.0 23.6 35.4#



Abundance Ion 43.00 (42.70 to 43.70): VX0

Ion 58.00 (57.70 to 58.70): VX0



#33

1,2-Dichloroethane-d4

Concen: 47.365 ug/l

RT: 6.05 min Scan# 847

Delta R.T. -0.00 min

Lab File: VX012367.D

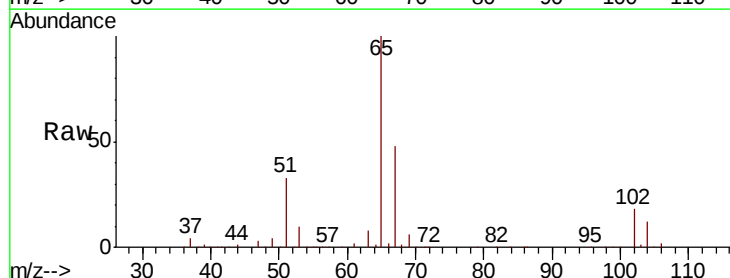
Acq: 13 Sep 2019 00:28

Tgt Ion: 65 Resp: 111640

Ion Ratio Lower Upper

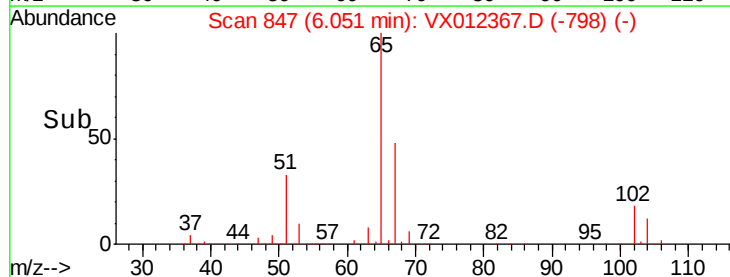
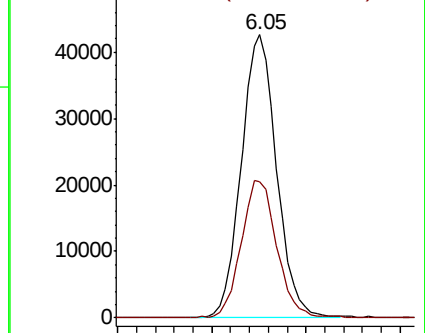
65 100

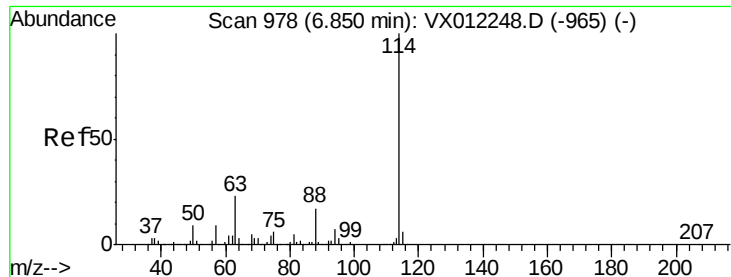
67 49.3 0.0 99.8



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: VX012367.D

Acq: 13 Sep 2019 00:28

Instrument :

MSVOA_X

ClientSampleId :

B-0-4

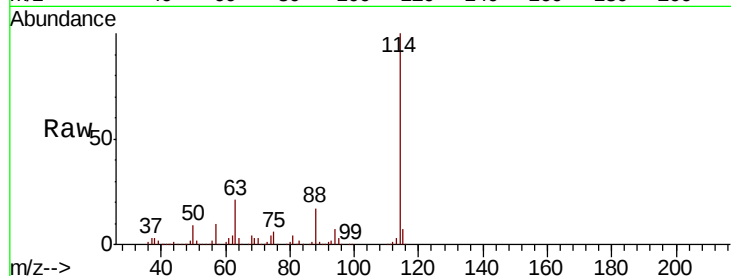
Tgt Ion:114 Resp: 283777

Ion Ratio Lower Upper

114 100

63 21.0 0.0 45.2

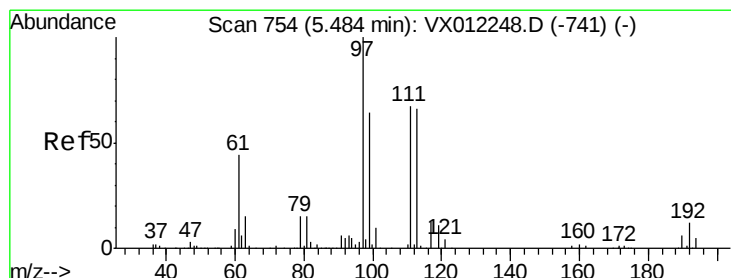
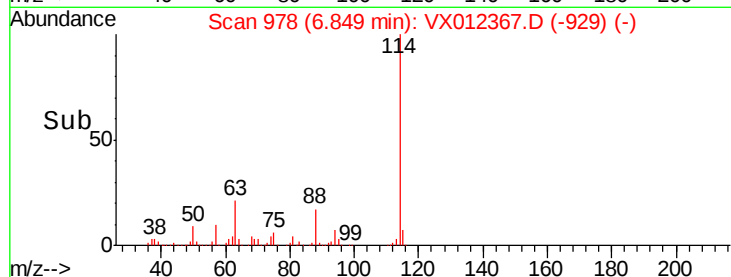
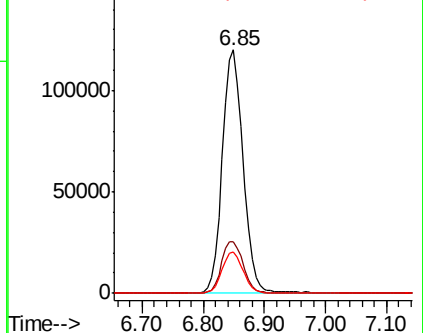
88 16.9 0.0 34.8



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: 46.413 ug/l

RT: 5.48 min Scan# 754

Delta R.T. -0.00 min

Lab File: VX012367.D

Acq: 13 Sep 2019 00:28

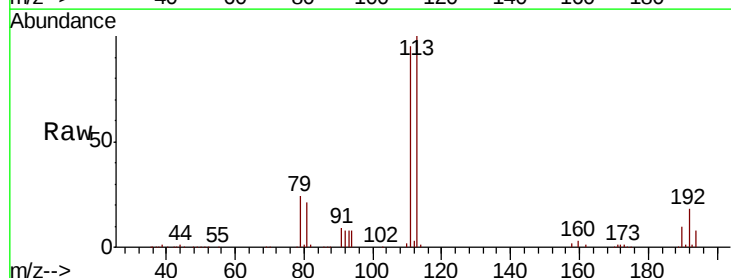
Tgt Ion:113 Resp: 84431

Ion Ratio Lower Upper

113 100

111 101.1 83.0 124.6

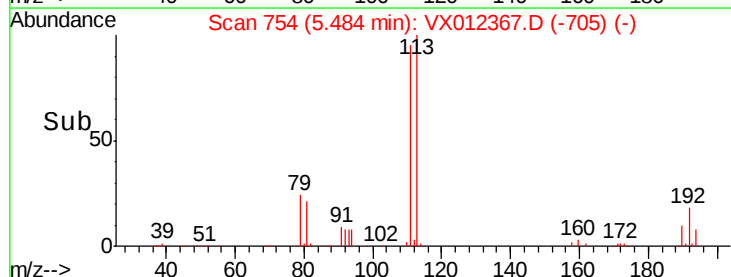
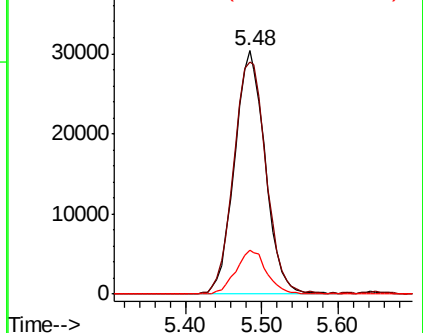
192 18.0 14.3 21.5

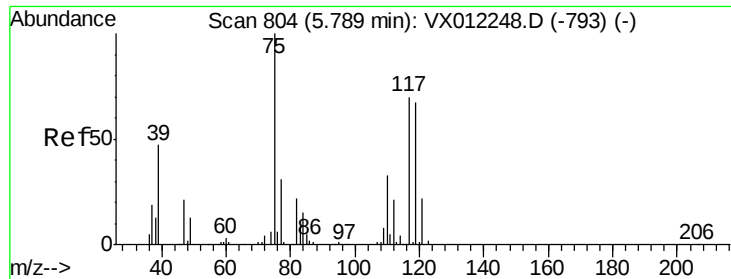


Abundance Ion 112.80 (112.50 to 113.50): V

Ion 110.80 (110.50 to 111.50): V

Ion 191.70 (191.40 to 192.40): V

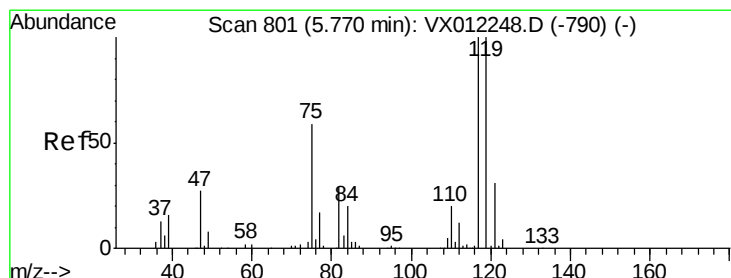
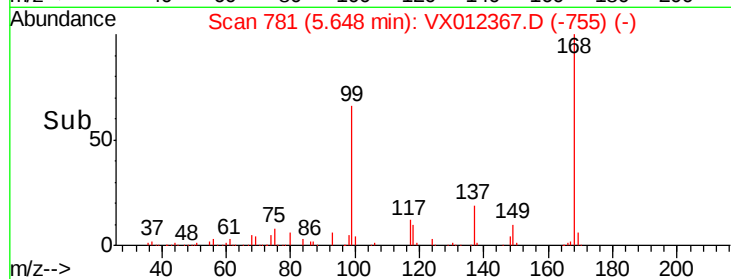
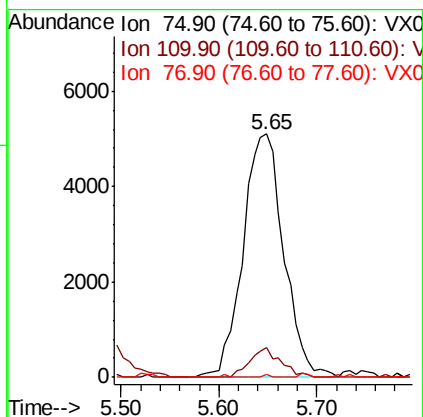
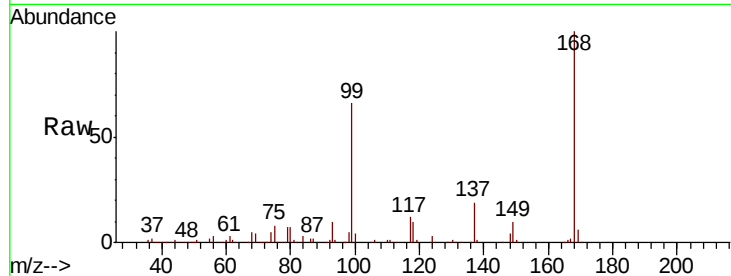




#36
 1,1-Dichloropropene
 Concen: 7.115 ug/l
 RT: 5.65 min Scan# 781
 Delta R.T. -0.14 min
 Lab File: VX012367.D
 Acq: 13 Sep 2019 00:28

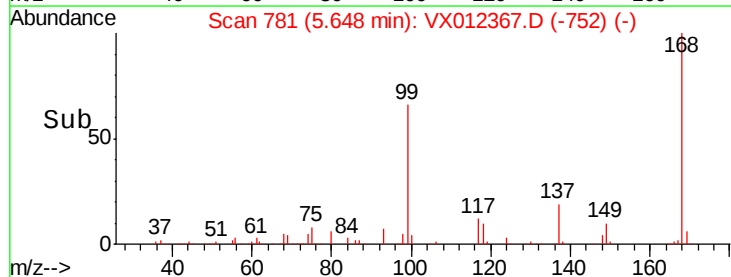
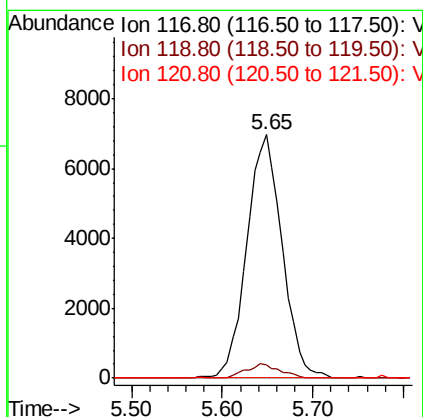
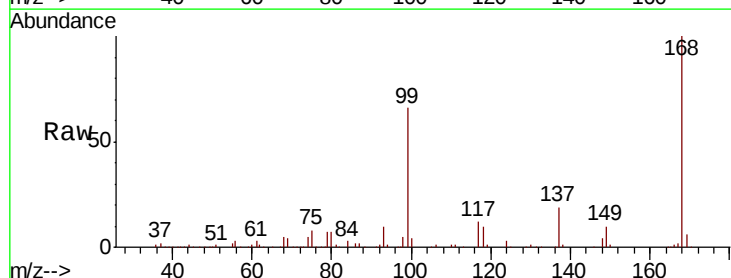
Instrument :
 MSVOA_X
 ClientSampled :
 B-0-4

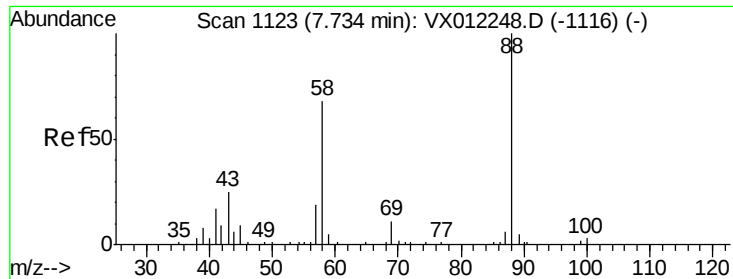
Tgt Ion: 75 Resp: 14723
 Ion Ratio Lower Upper
 75 100
 110 9.4 16.8 50.4#
 77 0.2 24.5 36.7#



#38
 Carbon Tetrachloride
 Concen: 7.729 ug/l
 RT: 5.65 min Scan# 781
 Delta R.T. -0.12 min
 Lab File: VX012367.D
 Acq: 13 Sep 2019 00:28

Tgt Ion: 117 Resp: 18764
 Ion Ratio Lower Upper
 117 100
 119 5.5 79.6 119.4#
 121 0.0 24.7 37.1#





#49

1,4-Dioxane

Concen: 3.043 ug/l

RT: 7.68 min Scan# 1114

Delta R.T. -0.05 min

Lab File: VX012367.D

Acq: 13 Sep 2019 00:28

Instrument :

MSVOA_X

ClientSampled :

B-0-4

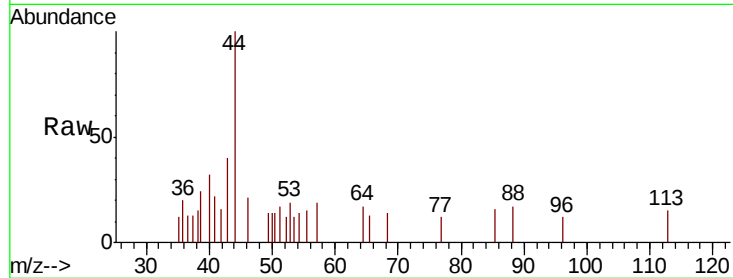
Tgt Ion: 88 Resp: 53

Ion Ratio Lower Upper

88 100

43 184.9 31.0 46.4#

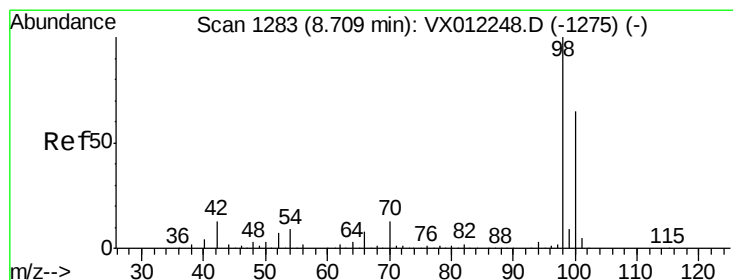
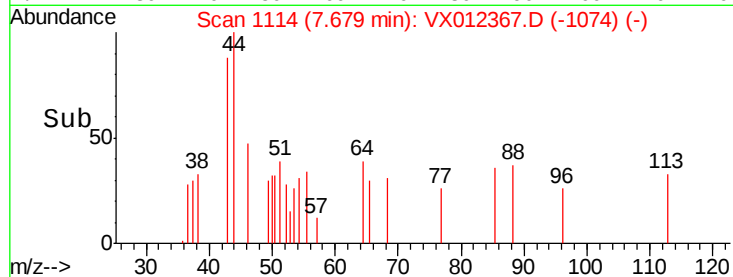
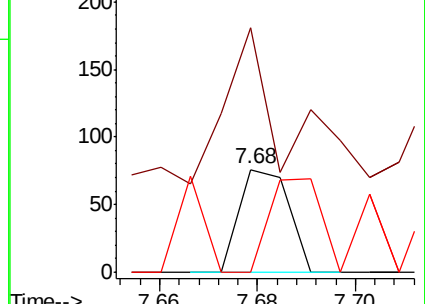
58 49.1 61.5 92.3#



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: 53.059 ug/l

RT: 8.71 min Scan# 1283

Delta R.T. -0.00 min

Lab File: VX012367.D

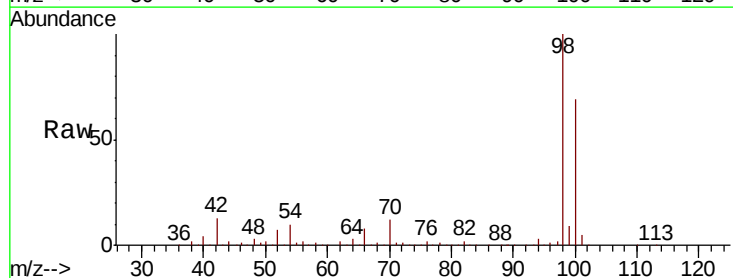
Acq: 13 Sep 2019 00:28

Tgt Ion: 98 Resp: 338535

Ion Ratio Lower Upper

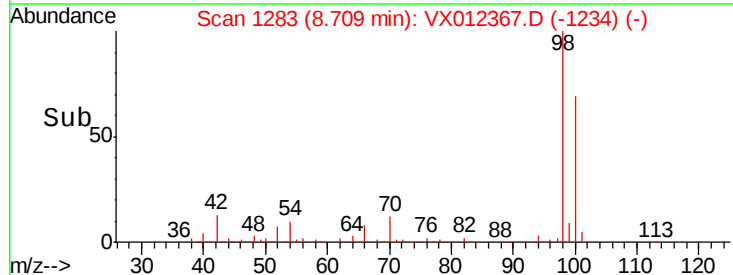
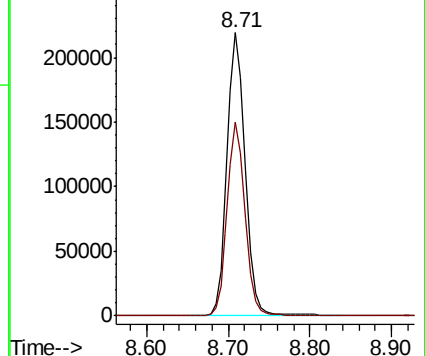
98 100

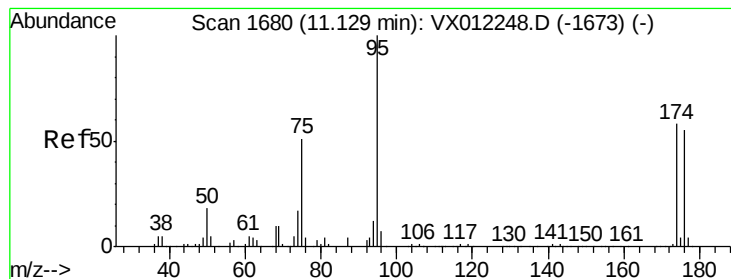
100 67.6 54.1 81.1



Abundance Ion 98.00 (97.70 to 98.70): VX0

Ion 100.00 (99.70 to 100.70): VX0





#62

4-Bromofluorobenzene

Concen: 45.311 ug/l

RT: 11.14 min Scan# 1681

Delta R.T. 0.01 min

Lab File: VX012367.D

Acq: 13 Sep 2019 00:28

Instrument :

MSVOA_X

ClientSampled :

B-0-4

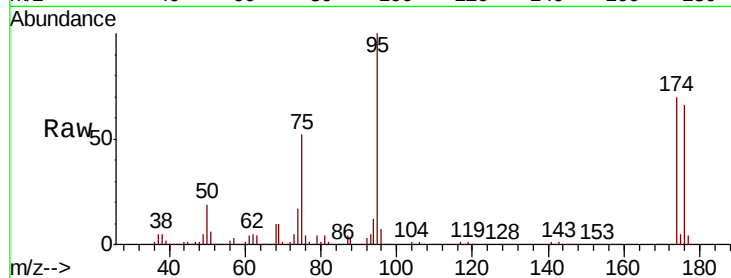
Tgt Ion: 95 Resp: 134028

Ion Ratio Lower Upper

95 100

174 68.0 0.0 127.0

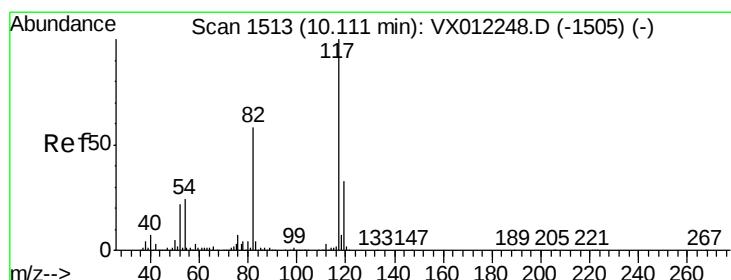
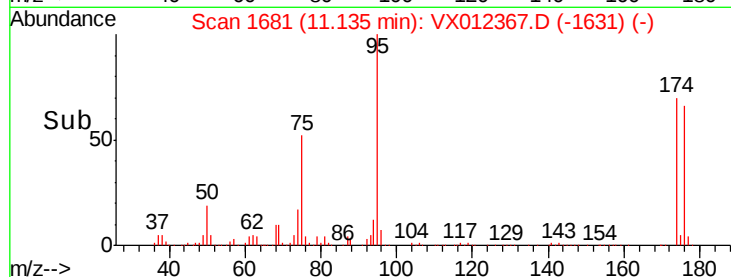
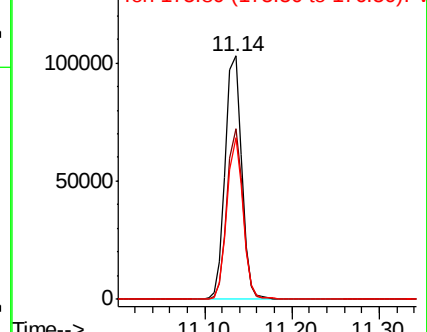
176 64.5 0.0 125.8



Abundance Ion 94.90 (94.60 to 95.60): VX012248.D (-1673) (-)

Ion 173.80 (173.50 to 174.50): VX012248.D (-1673) (-)

Ion 175.80 (175.50 to 176.50): VX012248.D (-1673) (-)



#63

Chlorobenzene-d5

Concen: 50.000 ug/l

RT: 10.11 min Scan# 1513

Delta R.T. -0.00 min

Lab File: VX012367.D

Acq: 13 Sep 2019 00:28

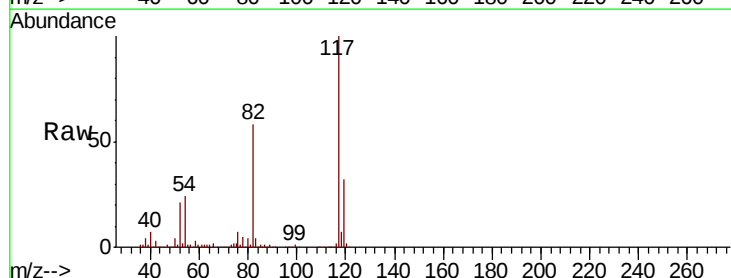
Tgt Ion: 117 Resp: 255107

Ion Ratio Lower Upper

117 100

82 58.3 46.4 69.6

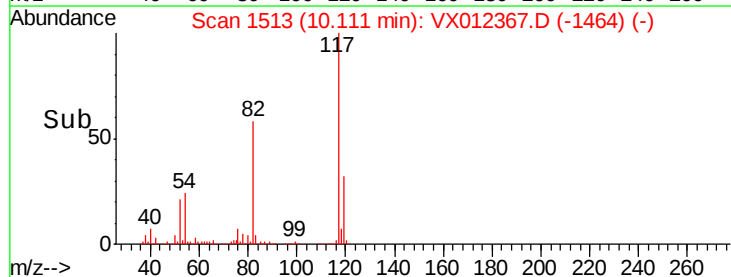
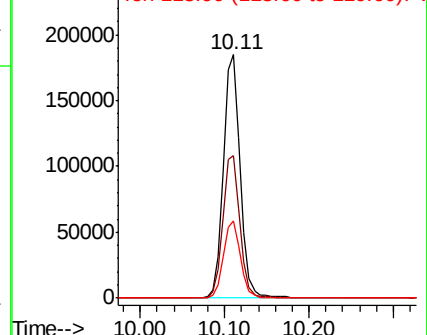
119 31.8 26.6 39.8

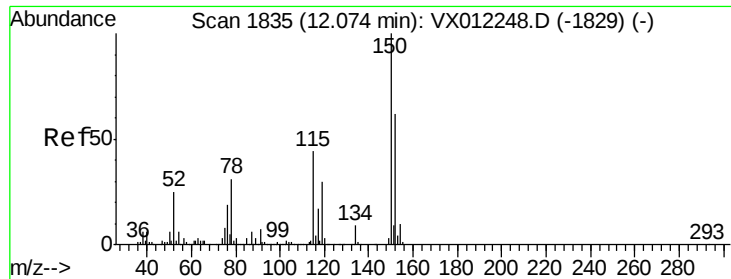


Abundance Ion 116.90 (116.60 to 117.60): VX012248.D (-1505) (-)

Ion 82.00 (81.70 to 82.70): VX012248.D (-1505) (-)

Ion 118.90 (118.60 to 119.60): VX012248.D (-1505) (-)





#72

1,4-Dichlorobenzene-d4

Concen: 50.000 ug/l

RT: 12.07 min Scan# 1835

Delta R.T. -0.00 min

Lab File: VX012367.D

Acq: 13 Sep 2019 00:28

Instrument :

MSVOA_X

ClientSampleId :

B-0-4

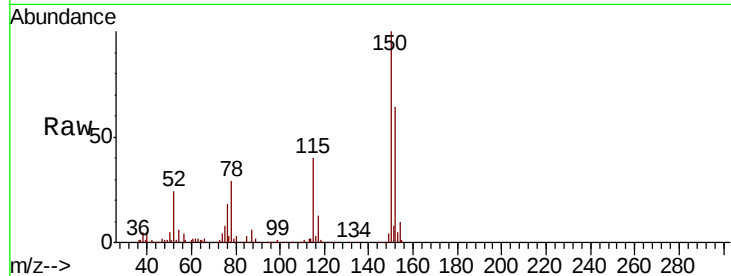
Tgt Ion:152 Resp: 121606

Ion Ratio Lower Upper

152 100

115 63.9 45.5 136.4

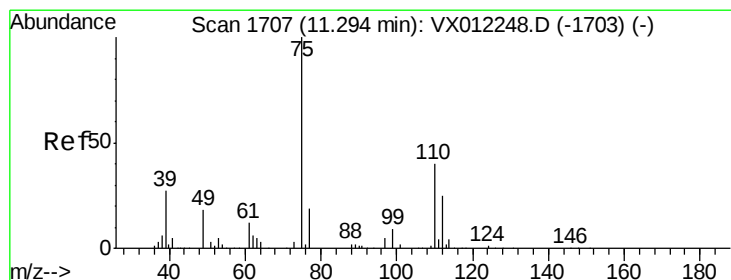
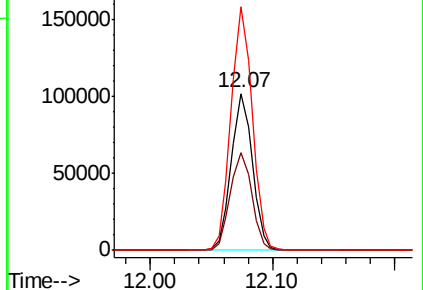
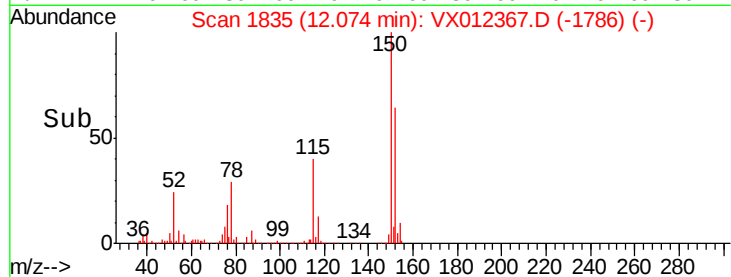
150 156.6 0.0 346.4



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: 45.731 ug/l

RT: 11.14 min Scan# 1681

Delta R.T. -0.16 min

Lab File: VX012367.D

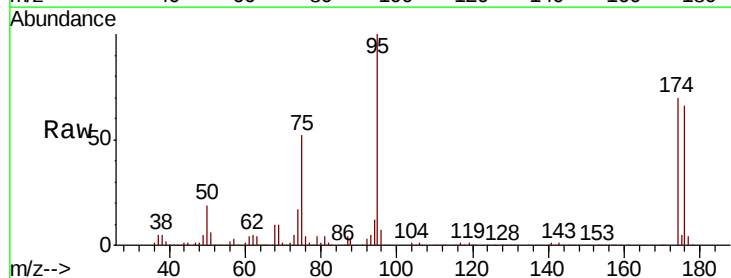
Acq: 13 Sep 2019 00:28

Tgt Ion: 75 Resp: 71441

Ion Ratio Lower Upper

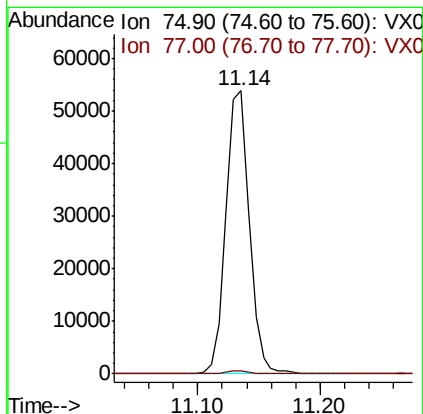
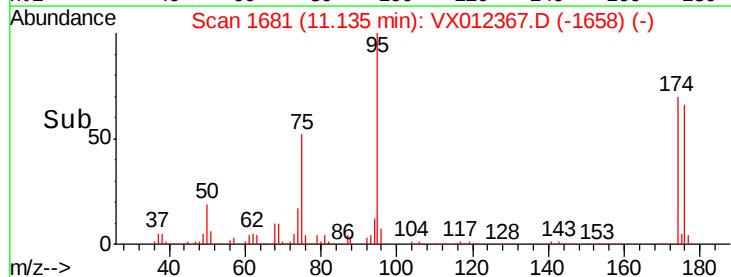
75 100

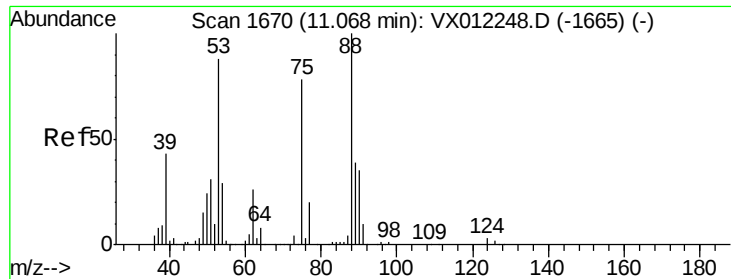
77 1.3 19.7 59.0#



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: 137.020 ug/l

RT: 11.14 min Scan# 1681

Delta R.T. 0.07 min

Lab File: VX012367.D

Acq: 13 Sep 2019 00:28

Instrument :

MSVOA_X

ClientSampleId :

B-0-4

Tgt Ion: 75 Resp: 71441

Ion Ratio Lower Upper

75 100

53 0.4 88.1 132.1#

89 0.0 43.5 65.3#

