

Data Path : Z:\VOASRV\HPCHEM1\MSVOA_X\DATA\VX091319\
 Data File : VX012387.D
 Acq On : 13 Sep 2019 15:25
 Operator : SY/SP
 Sample : K4695-08
 Misc : 3.26g/5.0mL/MSVOA_X/SOIL
 ALS Vial : 14 Sample Multiplier: 1

Instrument :
 MSVOA_X
 ClientSampleId :
 T5-1-(2.5)

Quant Time: Sep 14 00:04:43 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	162723	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	6.85	114	279237	50.00	ug/l	0.00
63) Chlorobenzene-d5	10.11	117	239407	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	12.07	152	90141	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	106970	46.50	ug/l	0.00
Spiked Amount				50.000		
			Recovery	=	93.00%	
35) Dibromofluoromethane	5.48	113	82090	45.86	ug/l	0.00
Spiked Amount				50.000		
			Recovery	=	91.72%	
50) Toluene-d8	8.71	98	326566	52.02	ug/l	0.00
Spiked Amount				50.000		
			Recovery	=	104.04%	
62) 4-Bromofluorobenzene	11.14	95	114215	39.24	ug/l	0.00
Spiked Amount				50.000		
			Recovery	=	78.48%	

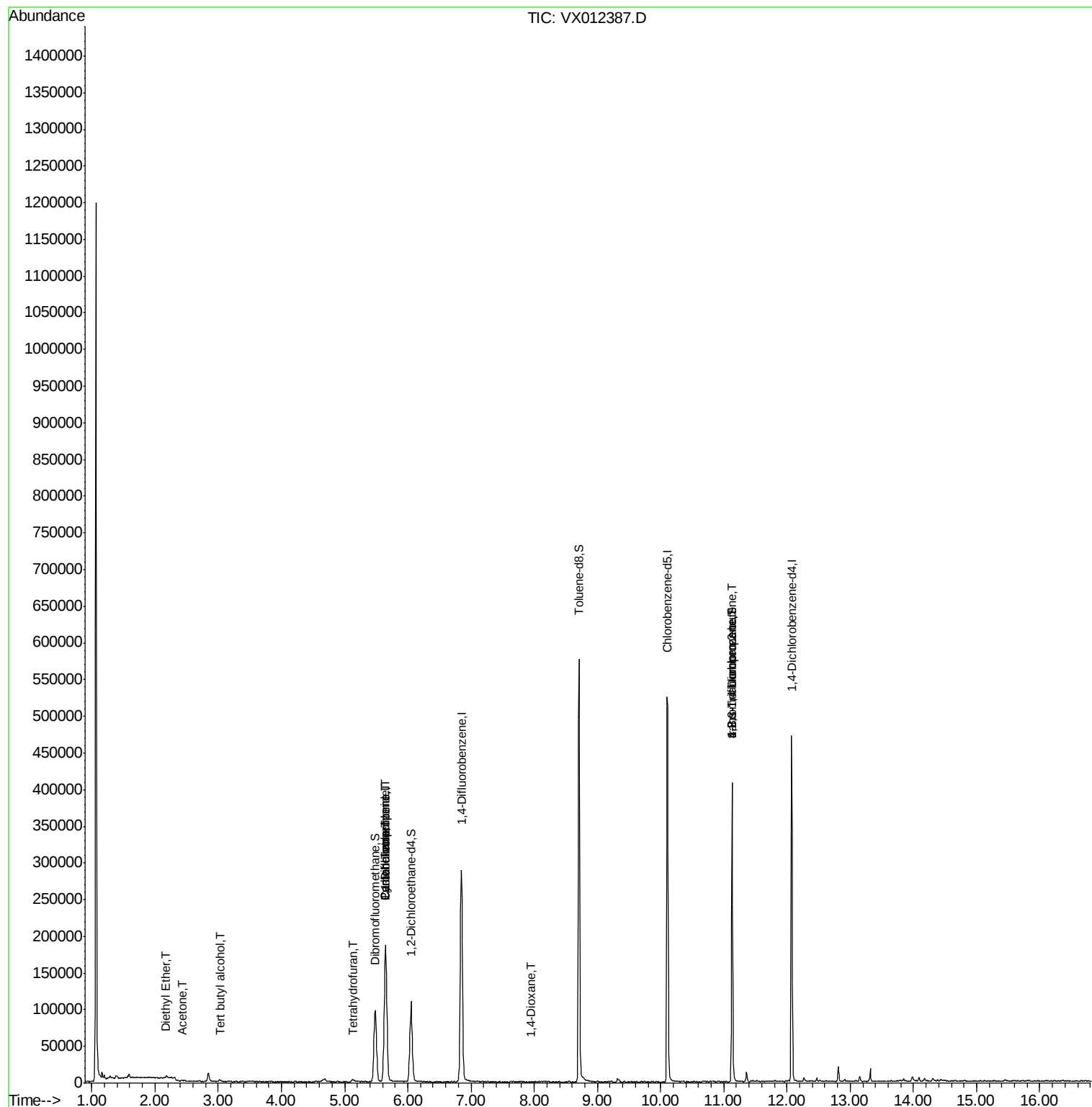
Target Compounds	R.T.	QIon	Response	Conc	Units	Qvalue
5) Bromomethane	1.61	94	108	Below Cal	#	80
8) Diethyl Ether	2.18	74	1236	1.683	ug/l	65
11) Tert butyl alcohol	3.03	59	2810	2.349	ug/l #	84
16) Acetone	2.43	43	1841	3.380	ug/l	98
29) Tetrahydrofuran	5.13	42	3064	8.157	ug/l	92
31) Cyclohexane	5.65	56	4296	2.011	ug/l #	1
36) 1,1-Dichloropropene	5.65	75	13934	6.843	ug/l #	53
38) Carbon Tetrachloride	5.64	117	18095	7.575	ug/l #	15
49) 1,4-Dioxane	7.96	88	26	1.517	ug/l #	1
76) 1,2,3-Trichloropropane	11.13	75	59629	51.493	ug/l #	38
81) trans-1,4-Dichloro-2-buten	11.13	75	59629	154.286	ug/l #	5

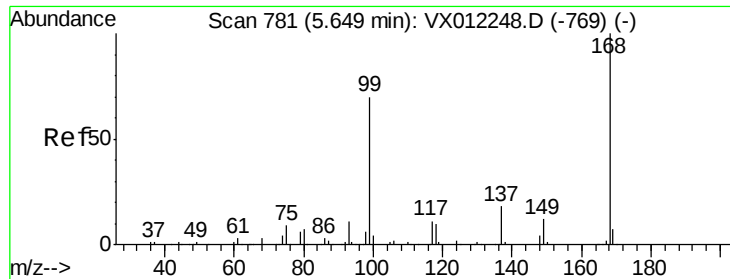
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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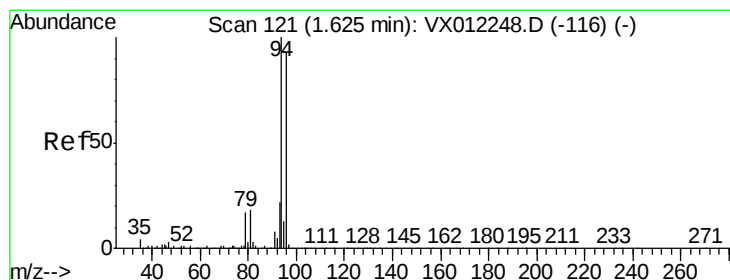
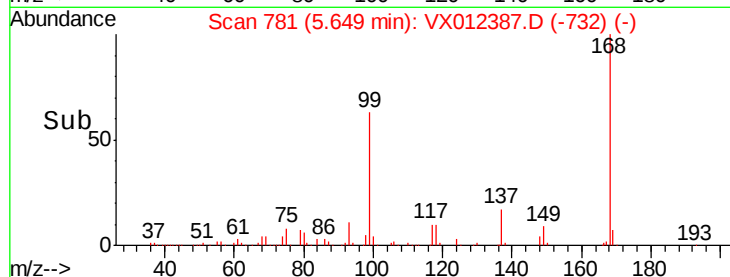
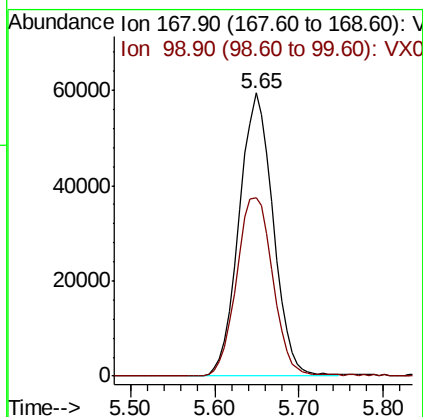
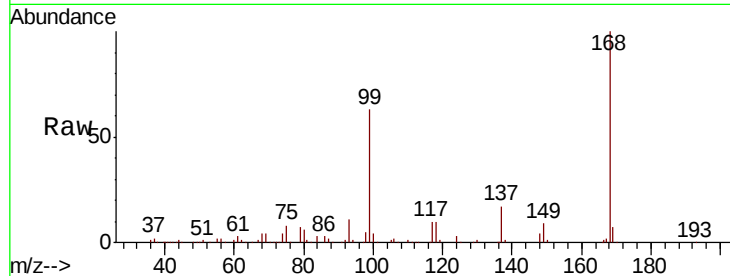




#1
Pentafluorobenzene
Concen: 50.000 ug/l
RT: 5.65 min Scan# 781
Delta R.T. 0.00 min
Lab File: VX012387.D
Acq: 13 Sep 2019 15:25

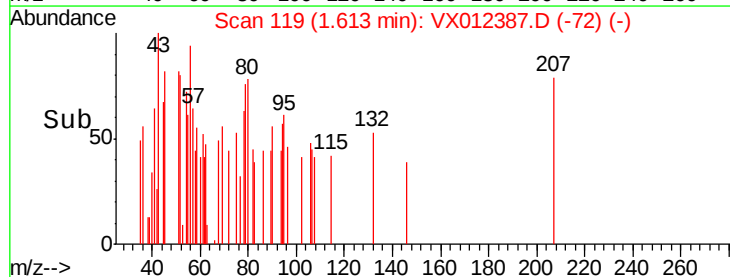
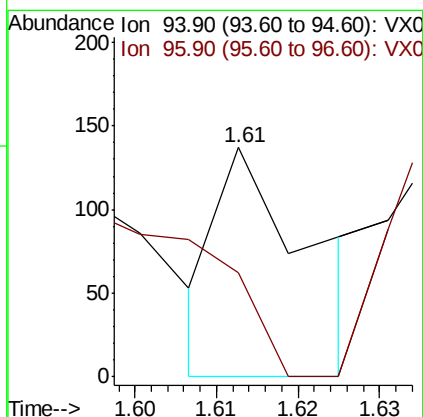
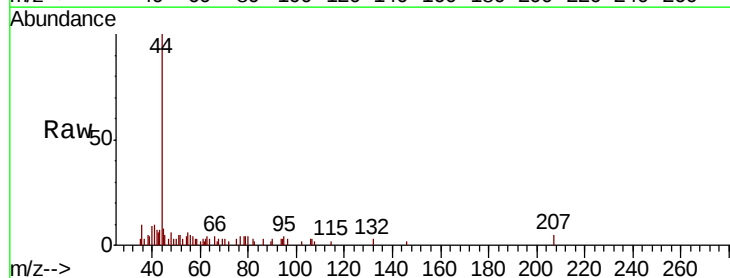
Instrument :
MSVOA_X
ClientSampleId :
T5-1-(2.5)

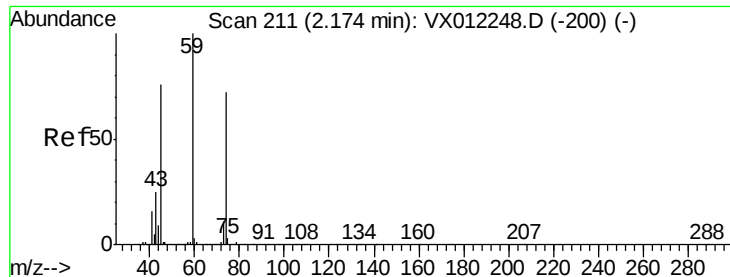
Tgt Ion:168 Resp: 162723
Ion Ratio Lower Upper
168 100
99 63.1 55.8 83.6



#5
Bromomethane
Concen: Below Cal
RT: 1.61 min Scan# 119
Delta R.T. -0.01 min
Lab File: VX012387.D
Acq: 13 Sep 2019 15:25

Tgt Ion: 94 Resp: 108
Ion Ratio Lower Upper
94 100
96 73.8 74.0 111.0#





#8

Diethyl Ether

Concen: 1.683 ug/l

RT: 2.18 min Scan# 212

Delta R.T. 0.01 min

Lab File: VX012387.D

Acq: 13 Sep 2019 15:25

Instrument :

MSVOA_X

ClientSampleId :

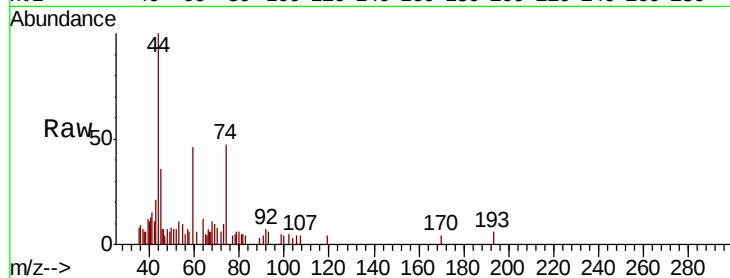
T5-1-(2.5)

Tgt Ion: 74 Resp: 1236

Ion Ratio Lower Upper

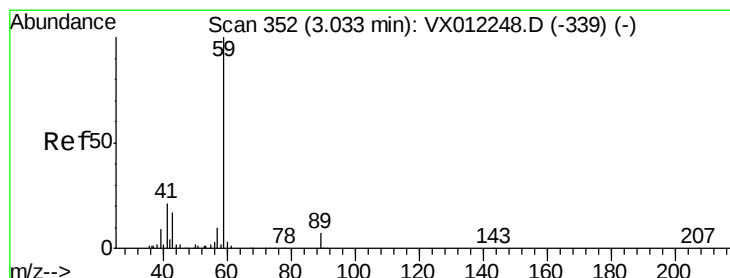
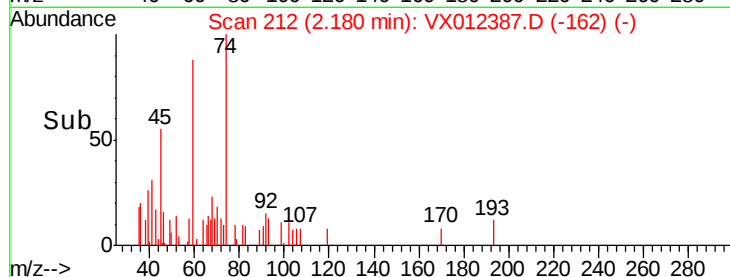
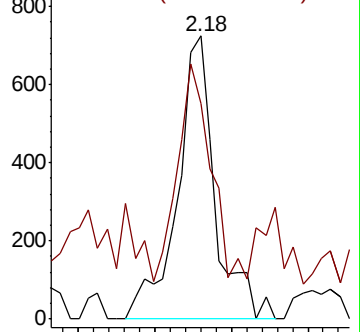
74 100

45 67.1 51.3 153.9



Abundance Ion 74.00 (73.70 to 74.70): VX0

Ion 45.00 (44.70 to 45.70): VX0



#11

Tert butyl alcohol

Concen: 2.349 ug/l

RT: 3.03 min Scan# 352

Delta R.T. 0.00 min

Lab File: VX012387.D

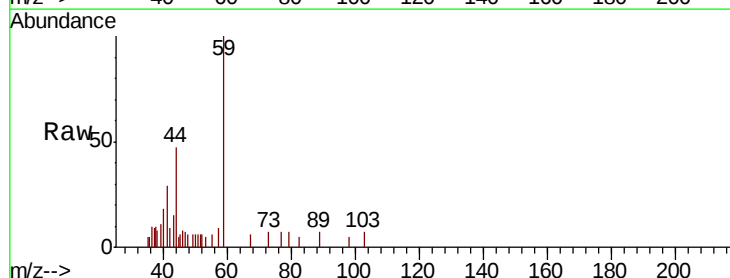
Acq: 13 Sep 2019 15:25

Tgt Ion: 59 Resp: 2810

Ion Ratio Lower Upper

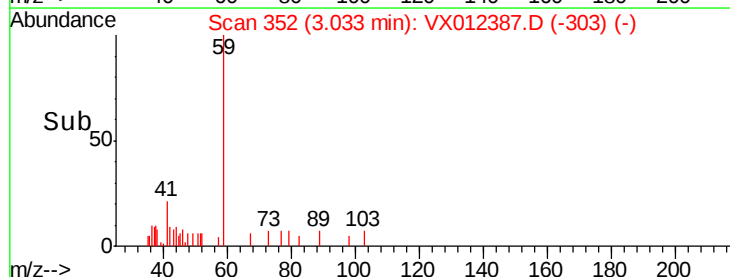
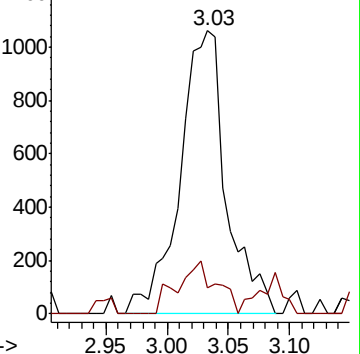
59 100

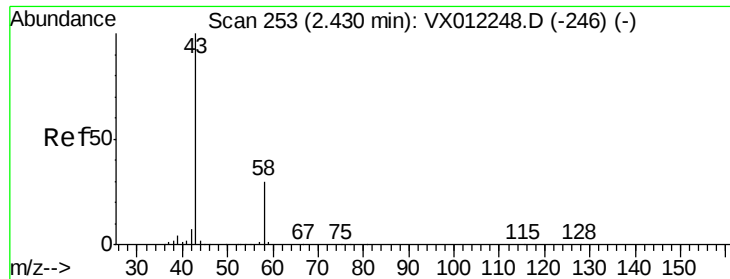
57 15.6 7.8 11.6#



Abundance Ion 59.00 (58.70 to 59.70): VX0

Ion 57.00 (56.70 to 57.70): VX0





#16

Acetone

Concen: 3.380 ug/l

RT: 2.43 min Scan# 253

Delta R.T. 0.00 min

Lab File: VX012387.D

Acq: 13 Sep 2019 15:25

Instrument :

MSVOA_X

ClientSampleId :

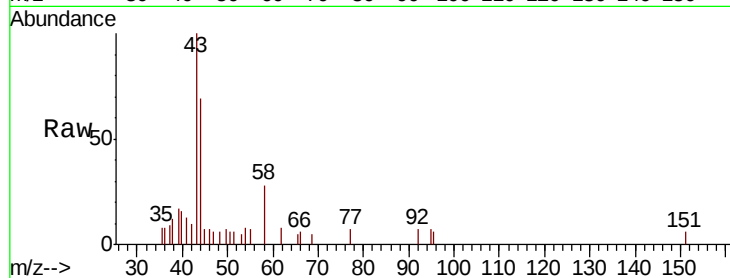
T5-1-(2.5)

Tgt Ion: 43 Resp: 1841

Ion Ratio Lower Upper

43 100

58 28.3 23.6 35.4



Abundance Ion 43.00 (42.70 to 43.70): VX0

Ion 58.00 (57.70 to 58.70): VX0

1200

1000

800

600

400

200

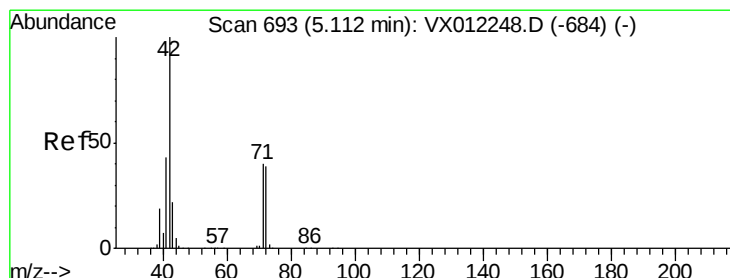
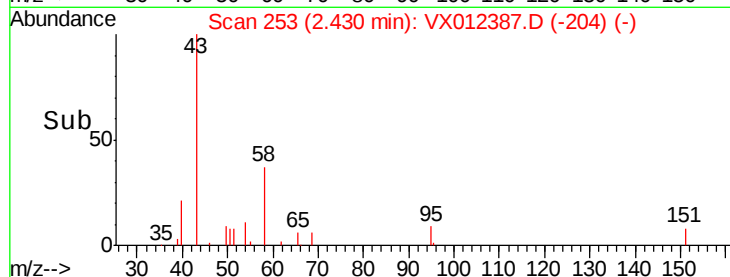
0

2.40

2.43

2.45

Time-->



#29

Tetrahydrofuran

Concen: 8.157 ug/l

RT: 5.13 min Scan# 696

Delta R.T. 0.02 min

Lab File: VX012387.D

Acq: 13 Sep 2019 15:25

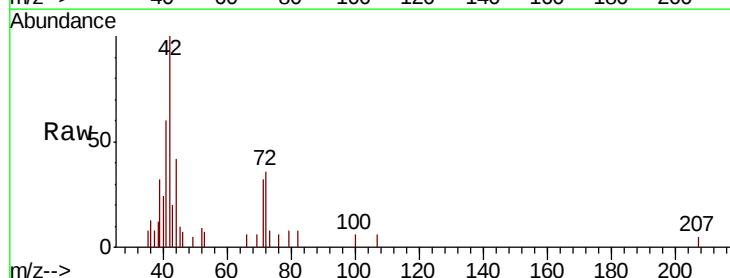
Tgt Ion: 42 Resp: 3064

Ion Ratio Lower Upper

42 100

72 38.4 35.2 52.8

71 36.6 32.5 48.7



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

1000

500

0

5.00

5.05

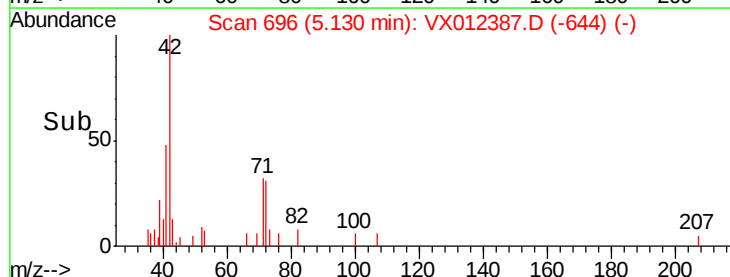
5.10

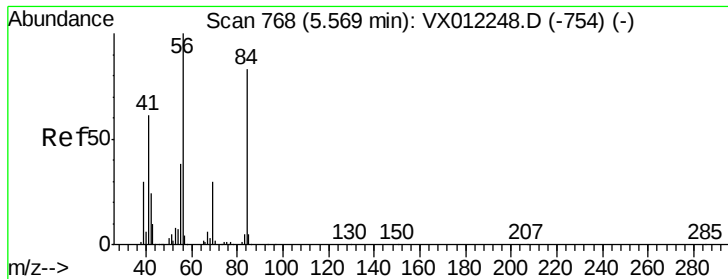
5.13

5.15

5.20

Time-->

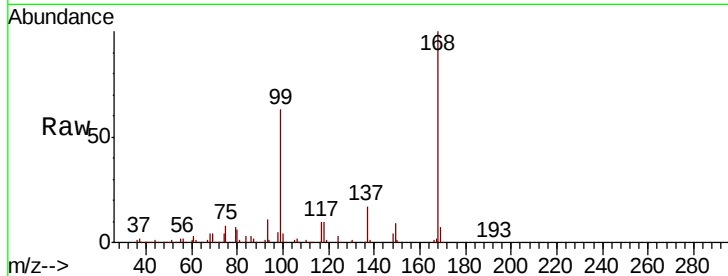




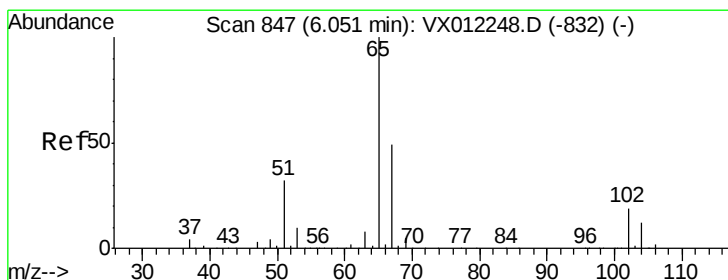
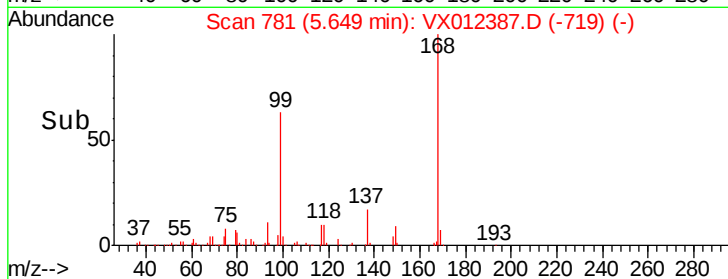
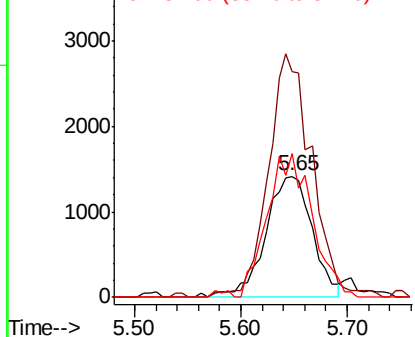
#31
Cyclohexane
Concen: 2.011 ug/l
RT: 5.65 min Scan# 781
Delta R.T. 0.08 min
Lab File: VX012387.D
Acq: 13 Sep 2019 15:25

Instrument :
MSVOA_X
ClientSampleId :
T5-1-(2.5)

Tgt Ion: 56 Resp: 4296
Ion Ratio Lower Upper
56 100
69 186.8 23.8 35.6#
84 119.0 66.6 100.0#

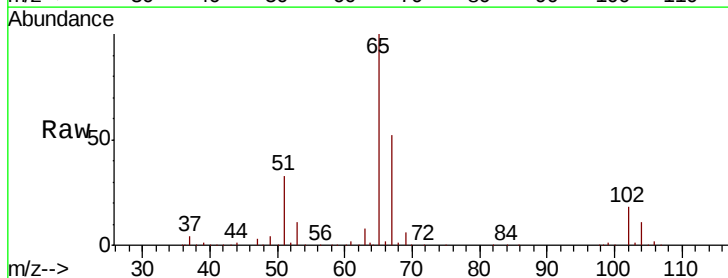


Abundance Ion 56.00 (55.70 to 56.70): VX0
Ion 69.00 (68.70 to 69.70): VX0
Ion 84.00 (83.70 to 84.70): VX0

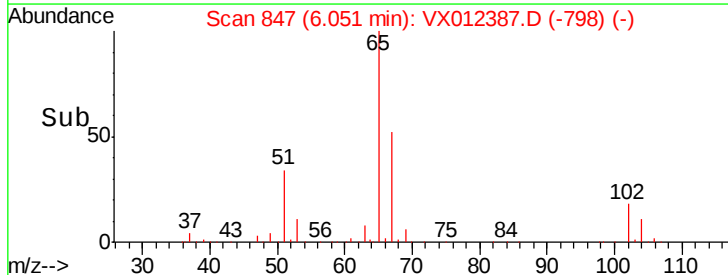
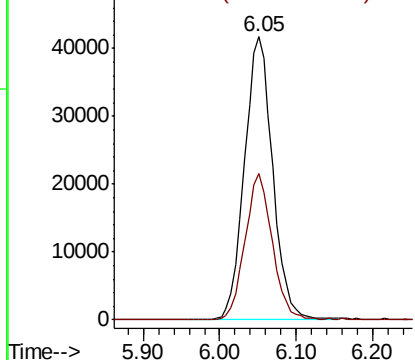


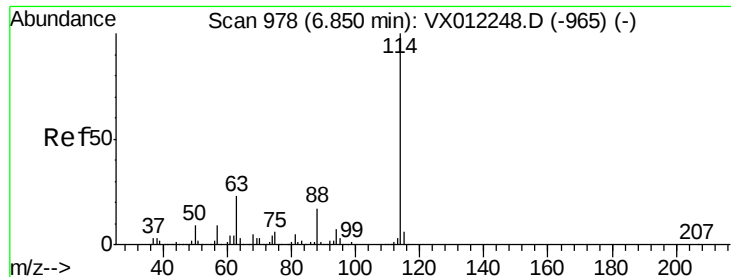
#33
1,2-Dichloroethane-d4
Concen: 46.497 ug/l
RT: 6.05 min Scan# 847
Delta R.T. 0.00 min
Lab File: VX012387.D
Acq: 13 Sep 2019 15:25

Tgt Ion: 65 Resp: 106970
Ion Ratio Lower Upper
65 100
67 49.9 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: VX012387.D

Acq: 13 Sep 2019 15:25

Instrument :

MSVOA_X

ClientSampleId :

T5-1-(2.5)

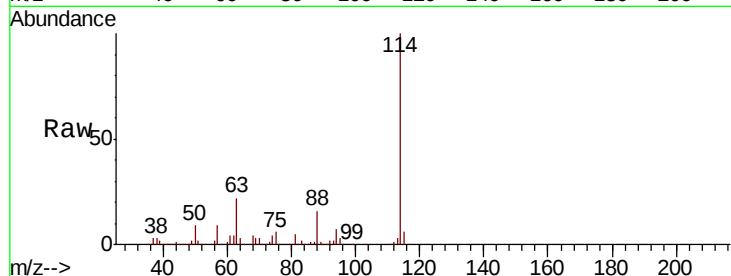
Tgt Ion:114 Resp: 279237

Ion Ratio Lower Upper

114 100

63 21.9 0.0 45.2

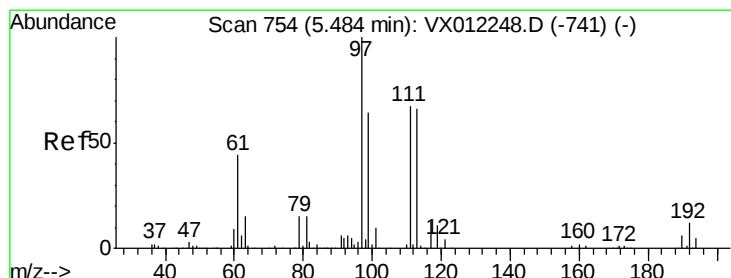
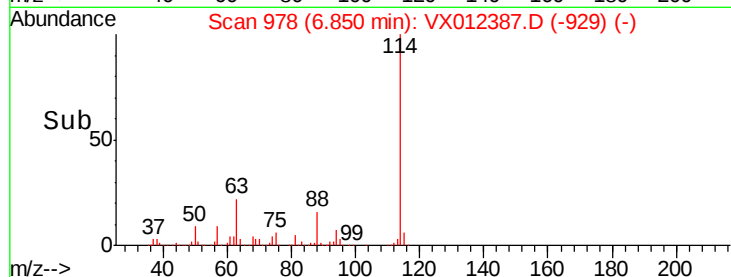
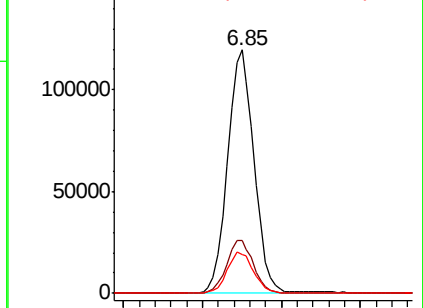
88 16.1 0.0 34.8



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: 45.859 ug/l

RT: 5.48 min Scan# 754

Delta R.T. 0.00 min

Lab File: VX012387.D

Acq: 13 Sep 2019 15:25

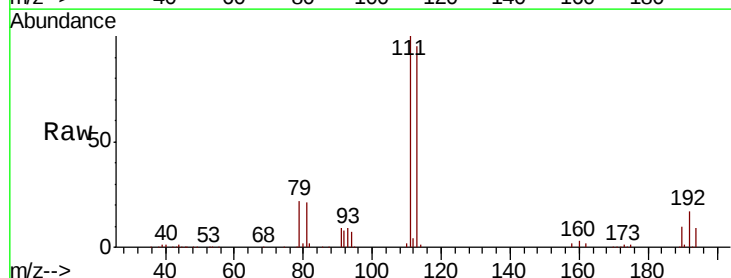
Tgt Ion:113 Resp: 82090

Ion Ratio Lower Upper

113 100

111 103.7 83.0 124.6

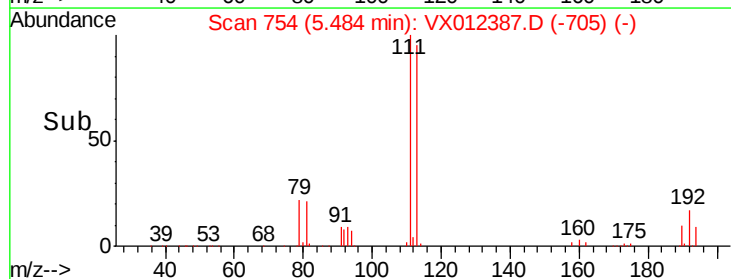
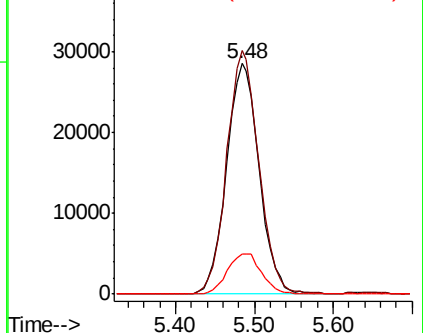
192 18.4 14.3 21.5

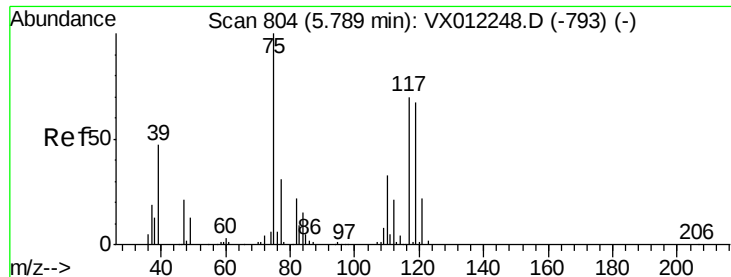


Abundance Ion 112.80 (112.50 to 113.50): V

Ion 110.80 (110.50 to 111.50): V

Ion 191.70 (191.40 to 192.40): V

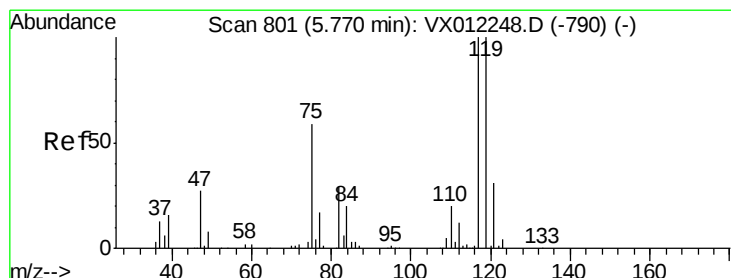
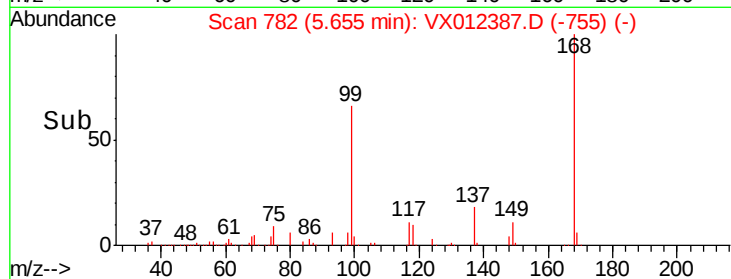
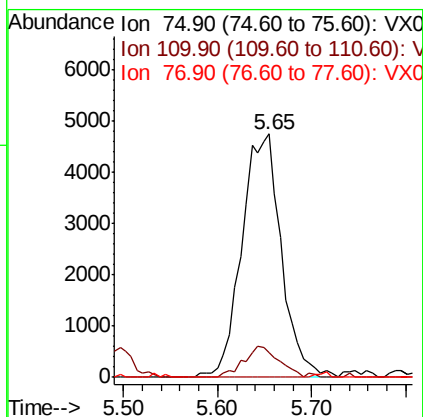
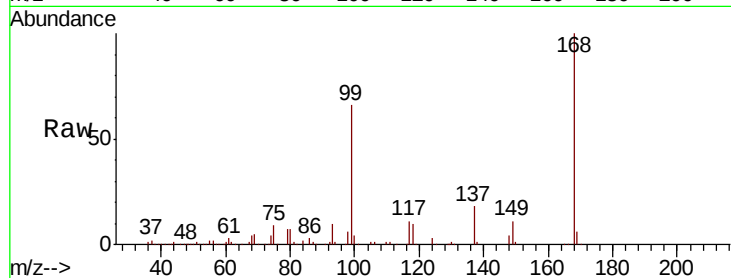




#36
 1,1-Dichloropropene
 Concen: 6.843 ug/l
 RT: 5.65 min Scan# 782
 Delta R.T. -0.13 min
 Lab File: VX012387.D
 Acq: 13 Sep 2019 15:25

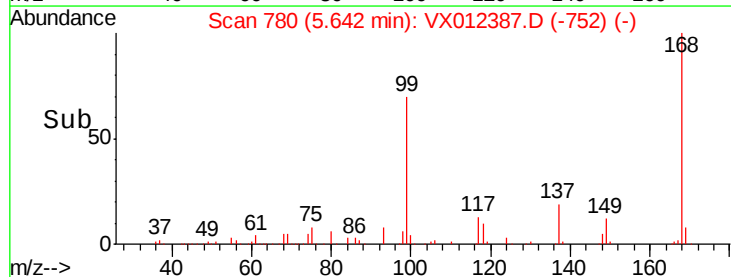
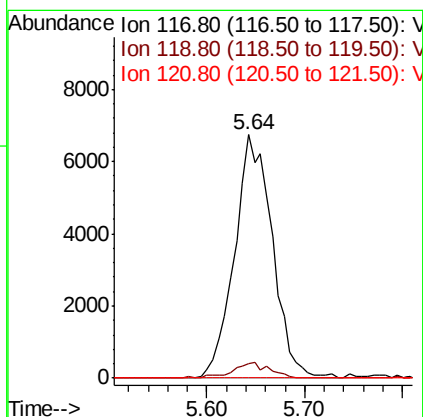
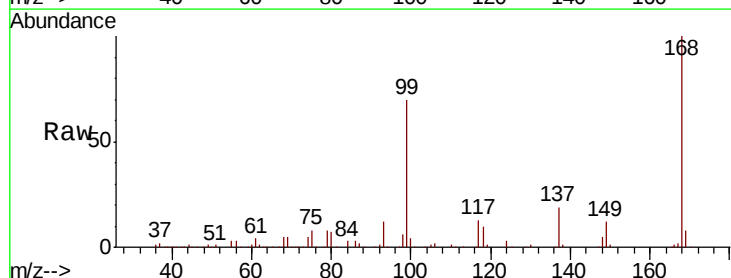
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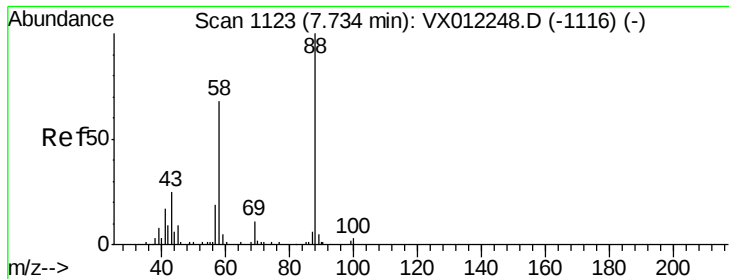
Tgt Ion: 75 Resp: 13934
 Ion Ratio Lower Upper
 75 100
 110 11.7 16.8 50.4#
 77 0.0 24.5 36.7#



#38
 Carbon Tetrachloride
 Concen: 7.575 ug/l
 RT: 5.64 min Scan# 780
 Delta R.T. -0.13 min
 Lab File: VX012387.D
 Acq: 13 Sep 2019 15:25

Tgt Ion: 117 Resp: 18095
 Ion Ratio Lower Upper
 117 100
 119 6.0 79.6 119.4#
 121 0.0 24.7 37.1#

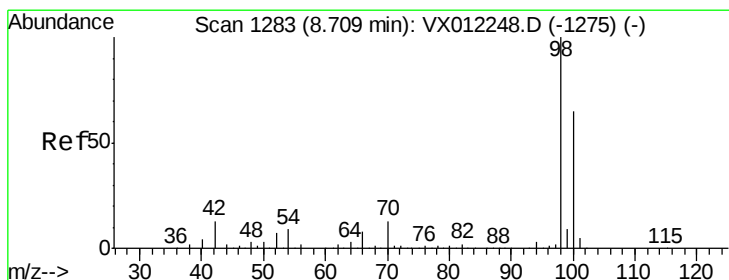
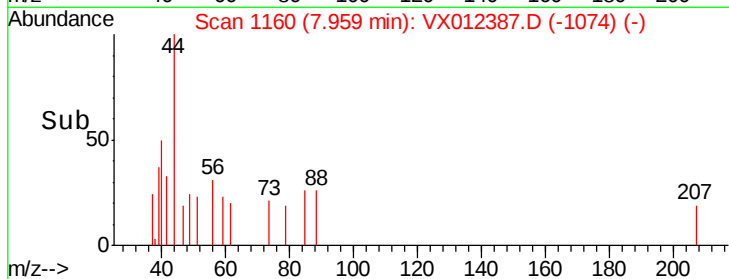
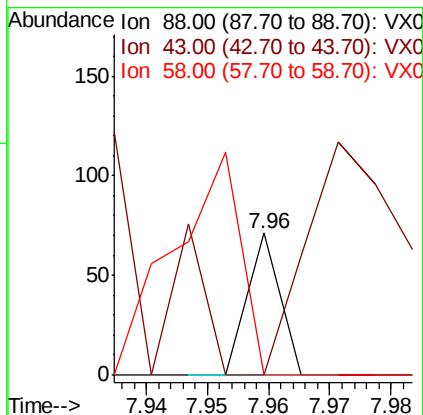
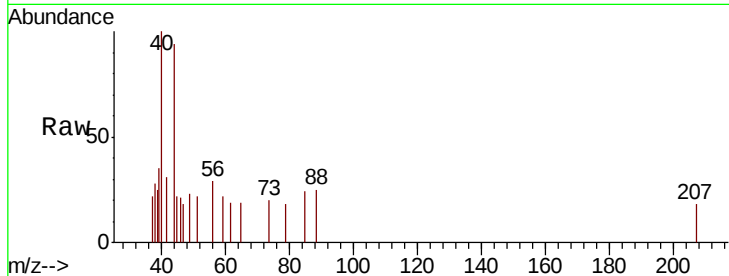




#49
1,4-Dioxane
Concen: 1.517 ug/l
RT: 7.96 min Scan# 1160
Delta R.T. 0.23 min
Lab File: VX012387.D
Acq: 13 Sep 2019 15:25

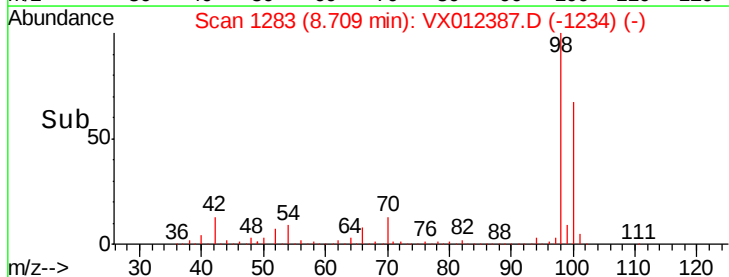
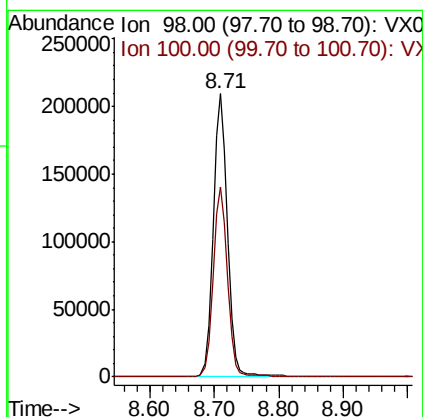
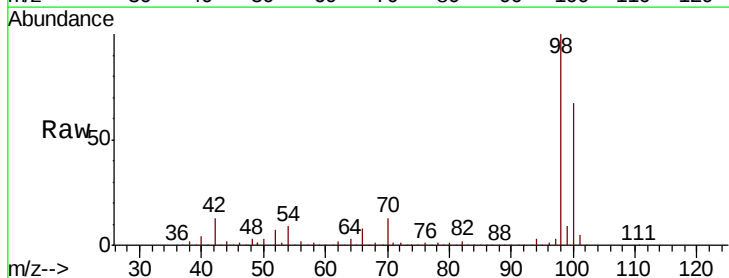
Instrument :
MSVOA_X
ClientSampleId :
T5-1-(2.5)

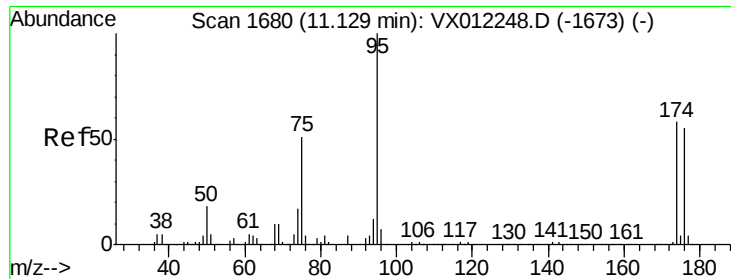
Tgt Ion: 88 Resp: 26
Ion Ratio Lower Upper
88 100
43 473.1 31.0 46.4#
58 330.8 61.5 92.3#



#50
Toluene-d8
Concen: 52.015 ug/l
RT: 8.71 min Scan# 1283
Delta R.T. 0.00 min
Lab File: VX012387.D
Acq: 13 Sep 2019 15:25

Tgt Ion: 98 Resp: 326566
Ion Ratio Lower Upper
98 100
100 67.2 54.1 81.1





#62

4-Bromofluorobenzene

Concen: 39.241 ug/l

RT: 11.14 min Scan# 1681

Delta R.T. 0.01 min

Lab File: VX012387.D

Acq: 13 Sep 2019 15:25

Instrument :

MSVOA_X

ClientSampleId :

T5-1-(2.5)

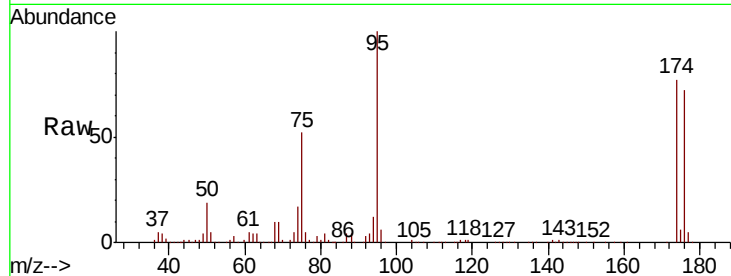
Tgt Ion: 95 Resp: 114215

Ion Ratio Lower Upper

95 100

174 70.6 0.0 127.0

176 67.5 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) (-)

11.14

80000

60000

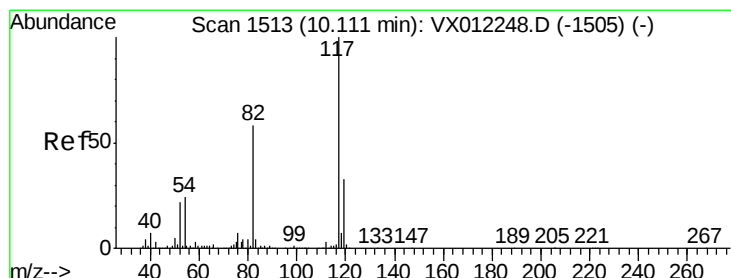
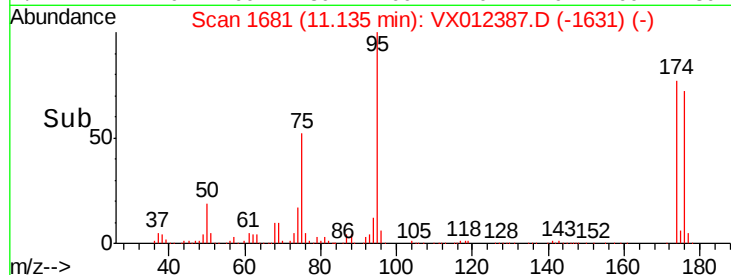
40000

20000

0

11.10 11.20

Time-->



#63

Chlorobenzene-d5

Concen: 50.000 ug/l

RT: 10.11 min Scan# 1512

Delta R.T. -0.01 min

Lab File: VX012387.D

Acq: 13 Sep 2019 15:25

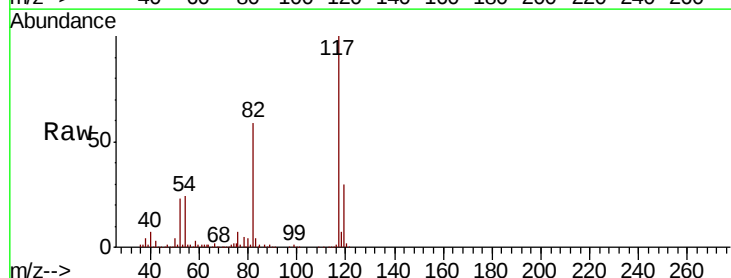
Tgt Ion: 117 Resp: 239407

Ion Ratio Lower Upper

117 100

82 59.4 46.4 69.6

119 29.7 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) (-)

10.11

200000

150000

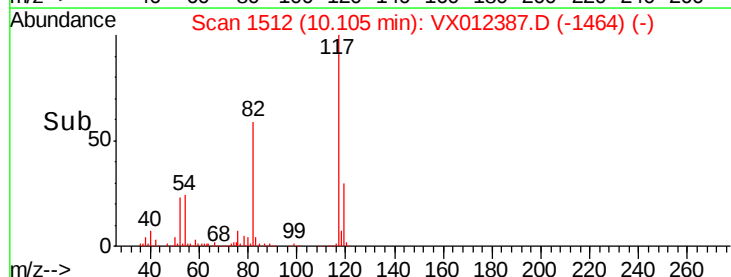
100000

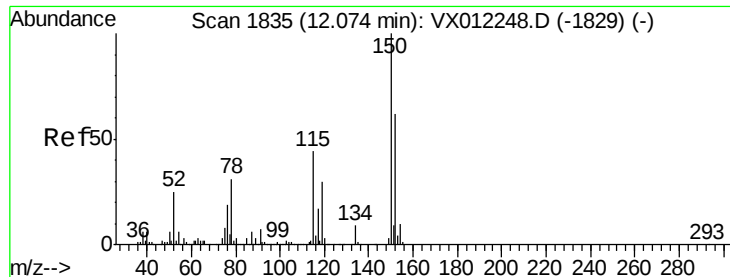
50000

0

10.00 10.10 10.20

Time-->





#72

1,4-Dichlorobenzene-d4

Concen: 50.000 ug/l

RT: 12.07 min Scan# 1835

Delta R.T. 0.00 min

Lab File: VX012387.D

Acq: 13 Sep 2019 15:25

Instrument :

MSVOA_X

ClientSampleId :

T5-1-(2.5)

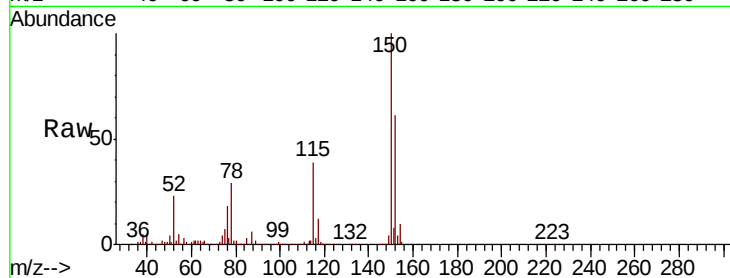
Tgt Ion:152 Resp: 90141

Ion Ratio Lower Upper

152 100

115 62.3 45.5 136.4

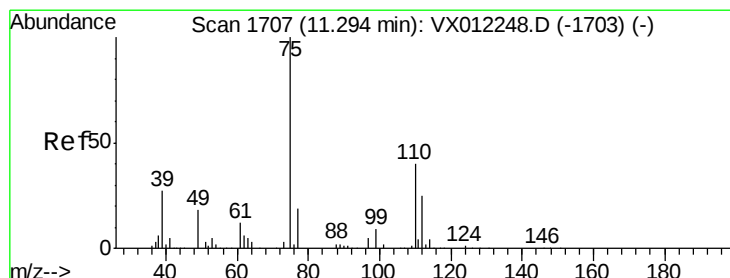
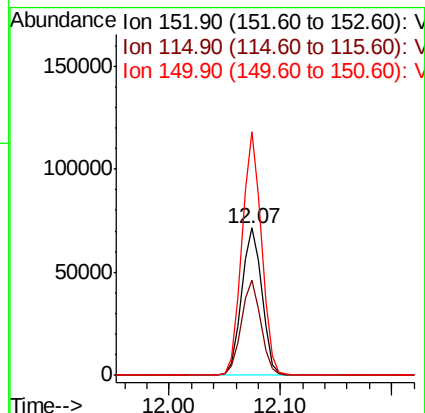
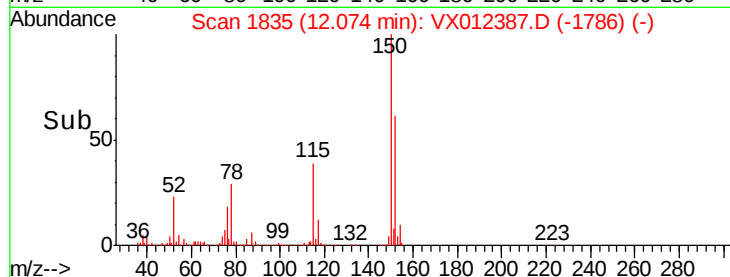
150 158.6 0.0 346.4



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: 51.493 ug/l

RT: 11.13 min Scan# 1680

Delta R.T. -0.16 min

Lab File: VX012387.D

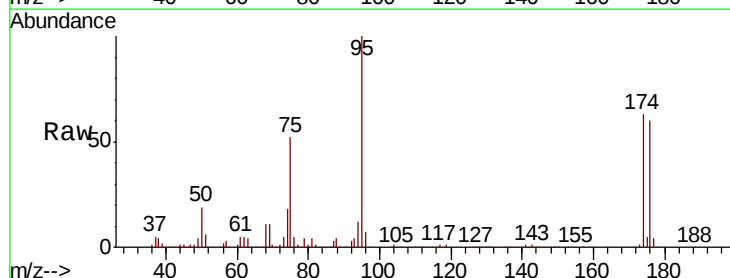
Acq: 13 Sep 2019 15:25

Tgt Ion: 75 Resp: 59629

Ion Ratio Lower Upper

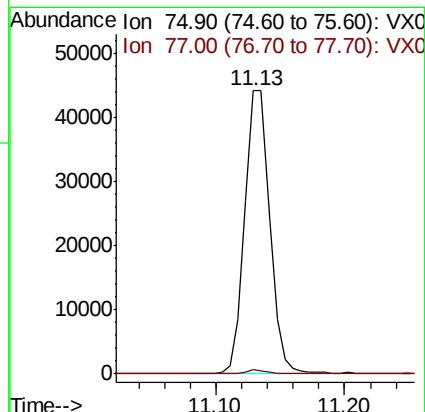
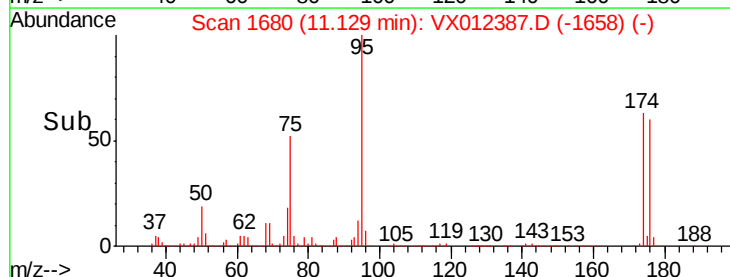
75 100

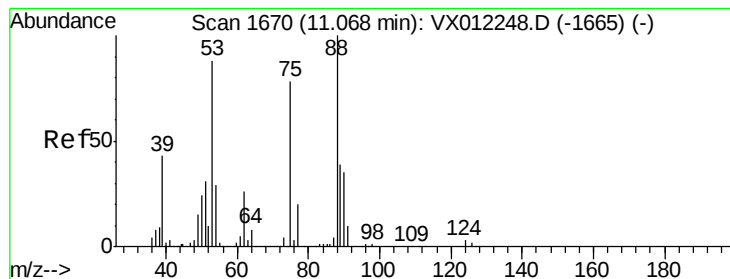
77 1.3 19.7 59.0#



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: 154.286 ug/l

RT: 11.13 min Scan# 1680

Delta R.T. 0.06 min

Lab File: VX012387.D

Acq: 13 Sep 2019 15:25

Instrument :

MSVOA_X

ClientSampleId :

T5-1-(2.5)

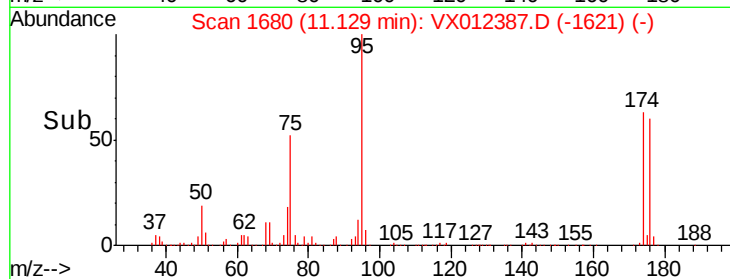
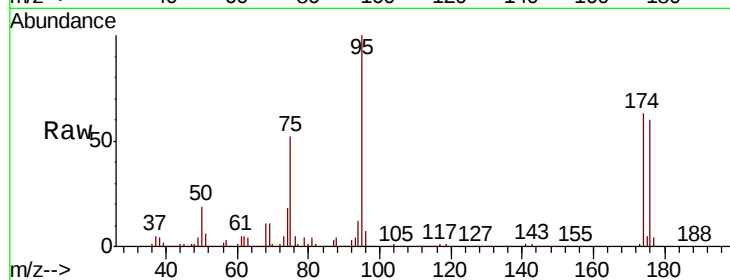
Tgt Ion: 75 Resp: 59629

Ion Ratio Lower Upper

75 100

53 0.3 88.1 132.1#

89 0.1 43.5 65.3#



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

