

Data Path : Z:\VOASRV\HPCHEM1\MSVOA_X\DATA\VX091319\
 Data File : VX012386.D
 Acq On : 13 Sep 2019 14:57
 Operator : SY/SP
 Sample : K4695-07
 Misc : 3.37g/5.0mL/MSVOA_X/SOIL
 ALS Vial : 13 Sample Multiplier: 1

Instrument :
 MSVOA_X
 ClientSampleId :
 T5-1-(0)

Quant Time: Sep 14 00:04:30 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	144748	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	6.85	114	244843	50.00	ug/l	0.00
63) Chlorobenzene-d5	10.11	117	202737	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	12.07	152	72810	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	95495	46.66	ug/l	0.00
Spiked Amount				50.000		
			Recovery	=	93.32%	
35) Dibromofluoromethane	5.48	113	72063	45.91	ug/l	0.00
Spiked Amount				50.000		
			Recovery	=	91.82%	
50) Toluene-d8	8.71	98	287820	52.28	ug/l	0.00
Spiked Amount				50.000		
			Recovery	=	104.56%	
62) 4-Bromofluorobenzene	11.14	95	95291	37.34	ug/l	0.00
Spiked Amount				50.000		
			Recovery	=	74.68%	

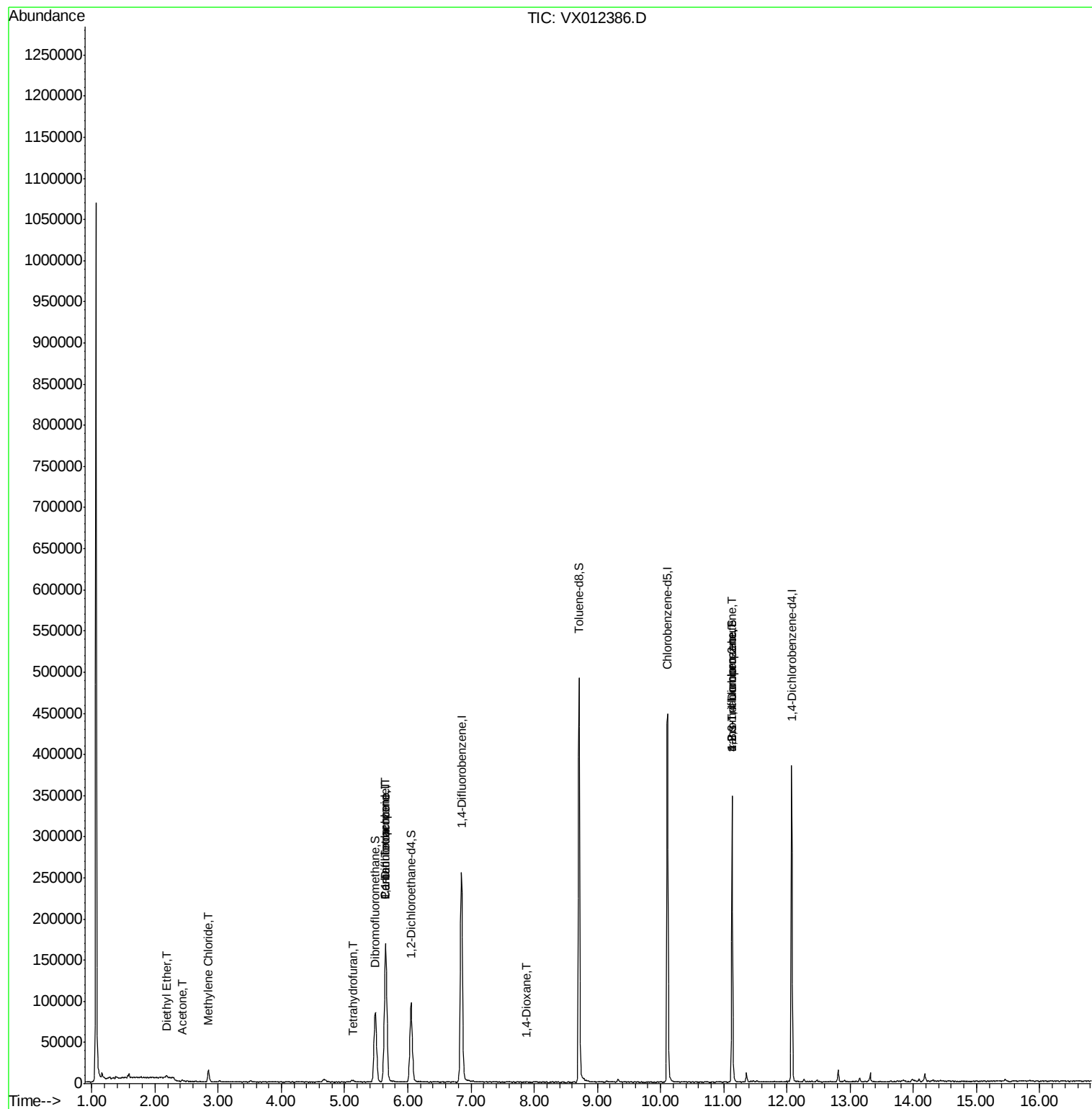
Target Compounds	R.T.	QIon	Response	Conc	Units	Qvalue
5) Bromomethane	1.64	94	281	Below Cal	#	50
8) Diethyl Ether	2.17	74	937	1.434	ug/l	92
11) Tert butyl alcohol	3.03	59	1564	Below Cal	#	88
16) Acetone	2.44	43	2046	4.223	ug/l #	88
20) Methylene Chloride	2.84	84	6155	1.517	ug/l	95
29) Tetrahydrofuran	5.14	42	2250	6.734	ug/l #	78
36) 1,1-Dichloropropene	5.65	75	12722	7.126	ug/l #	54
38) Carbon Tetrachloride	5.65	117	16778	8.010	ug/l #	16
49) 1,4-Dioxane	7.87	88	19	1.264	ug/l #	1
76) 1,2,3-Trichloropropane	11.13	75	50107	53.570	ug/l #	38
81) trans-1,4-Dichloro-2-buten	11.13	75	50107	160.508	ug/l #	6

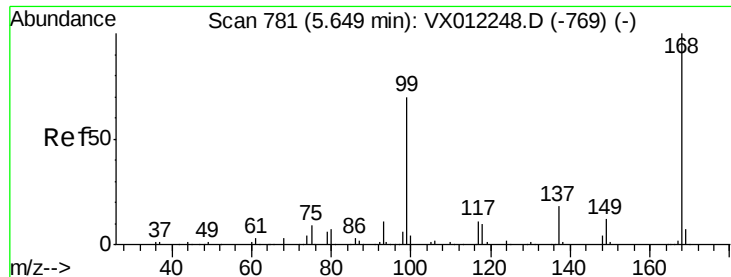
(#) = qualifier out of range (m) = manual integration (+) = signals summed

Data Path : Z:\V0ASRV\HPCHEM1\MSVOA_X\DATA\VX091319\
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Quant Method : Z:\V0ASRV\HPCHEM1\MSVOA_X\METHOD\82X091019S.M
Quant Title : SW846 8260
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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: VX012386.D

Acq: 13 Sep 2019 14:57

Instrument :

MSVOA_X

ClientSampleId :

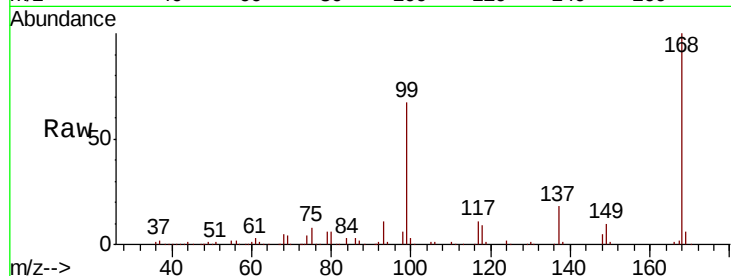
T5-1-(0)

Tgt Ion:168 Resp: 144748

Ion Ratio Lower Upper

168 100

99 67.3 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

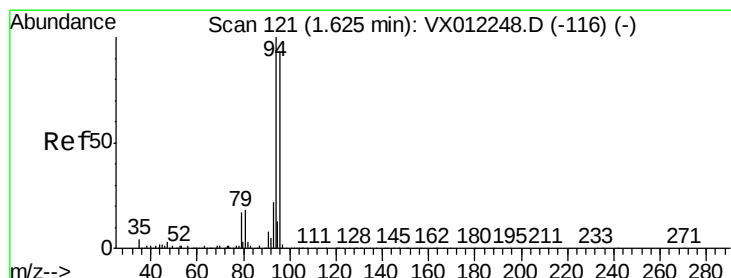
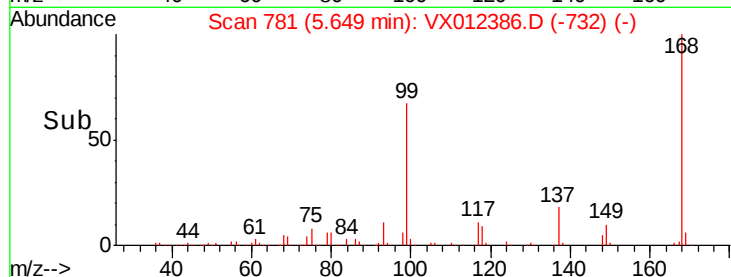
20000

10000

0

Time-->

5.50 5.60 5.70 5.80



#5

Bromomethane

Concen: Below Cal

RT: 1.64 min Scan# 123

Delta R.T. 0.01 min

Lab File: VX012386.D

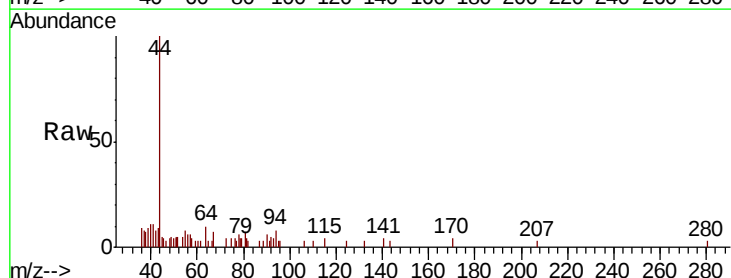
Acq: 13 Sep 2019 14:57

Tgt Ion: 94 Resp: 281

Ion Ratio Lower Upper

94 100

96 44.2 74.0 111.0#



Abundance Ion 93.90 (93.60 to 94.60): VX0

Ion 95.90 (95.60 to 96.60): VX0

1.64

150

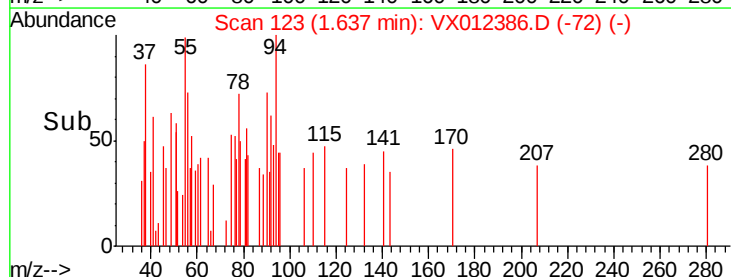
100

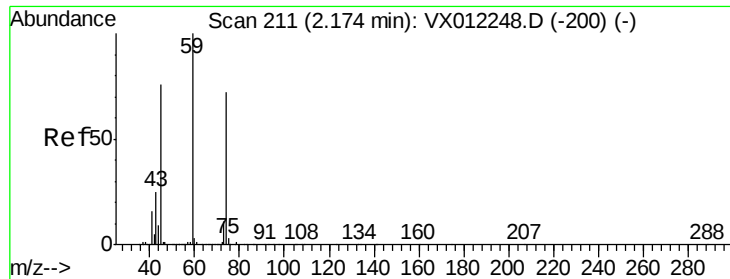
50

0

Time-->

1.62 1.64 1.66 1.68





#8

Diethyl Ether

Concen: 1.434 ug/l

RT: 2.17 min Scan# 211

Delta R.T. -0.00 min

Lab File: VX012386.D

Acq: 13 Sep 2019 14:57

Instrument :

MSVOA_X

ClientSampled :

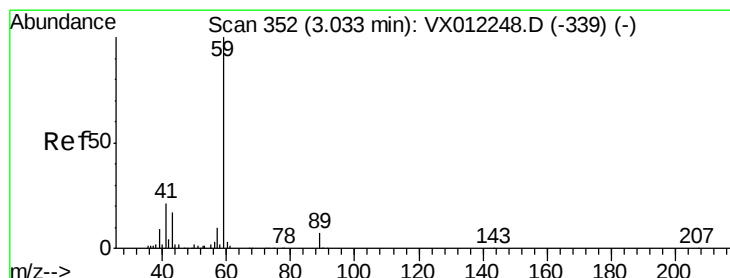
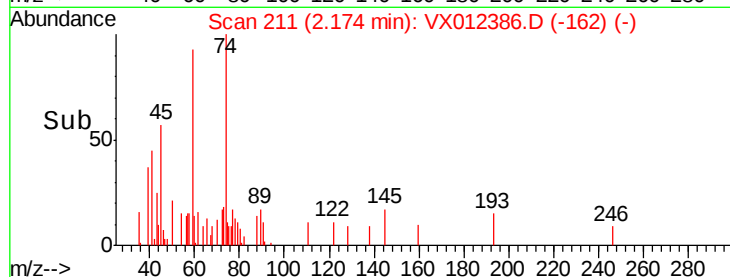
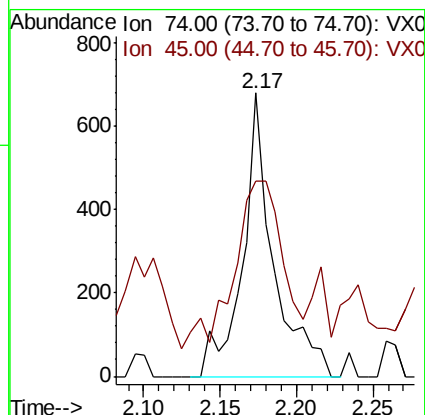
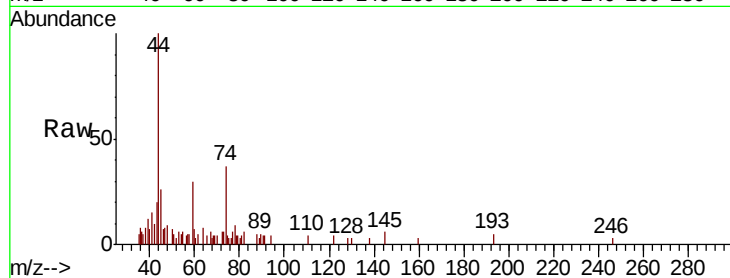
T5-1-(0)

Tgt Ion: 74 Resp: 937

Ion Ratio Lower Upper

74 100

45 94.8 51.3 153.9



#11

Tert butyl alcohol

Concen: Below Cal

RT: 3.03 min Scan# 351

Delta R.T. -0.01 min

Lab File: VX012386.D

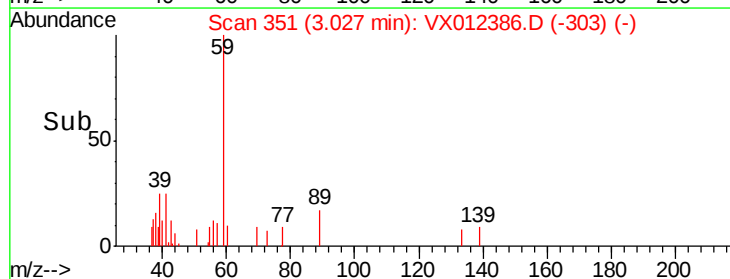
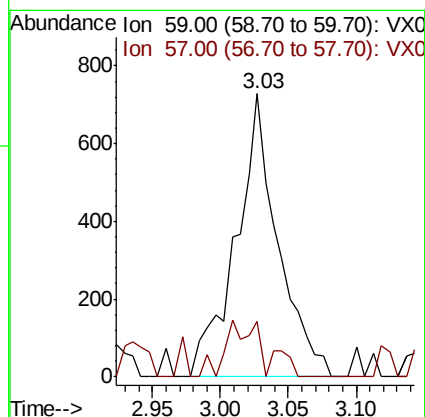
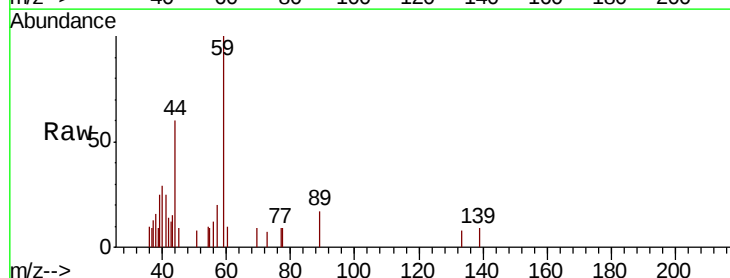
Acq: 13 Sep 2019 14:57

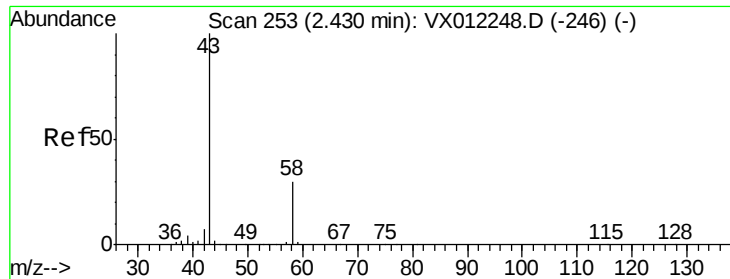
Tgt Ion: 59 Resp: 1564

Ion Ratio Lower Upper

59 100

57 14.3 7.8 11.6#





#16

Acetone

Concen: 4.223 ug/l

RT: 2.44 min Scan# 254

Delta R.T. 0.01 min

Lab File: VX012386.D

Acq: 13 Sep 2019 14:57

Instrument :

MSVOA_X

ClientSampled :

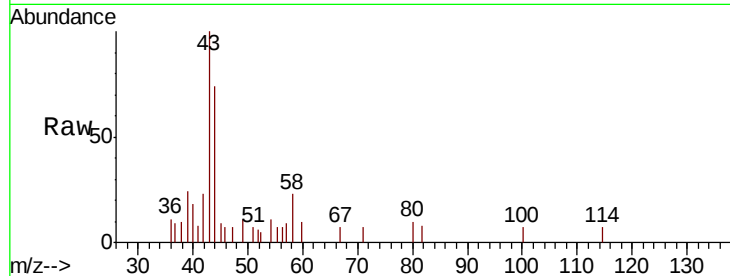
T5-1-(0)

Tgt Ion: 43 Resp: 2046

Ion Ratio Lower Upper

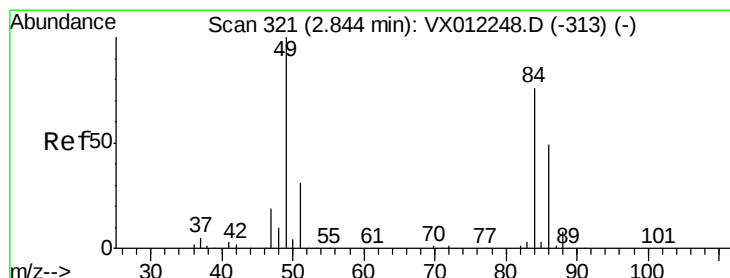
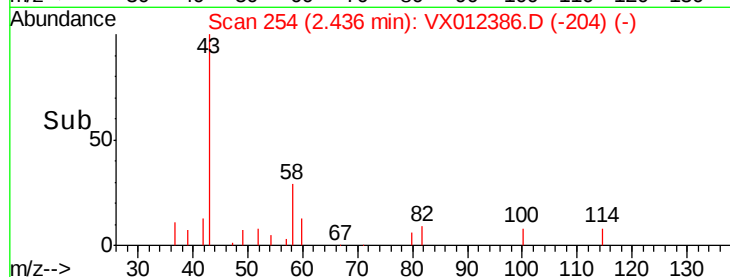
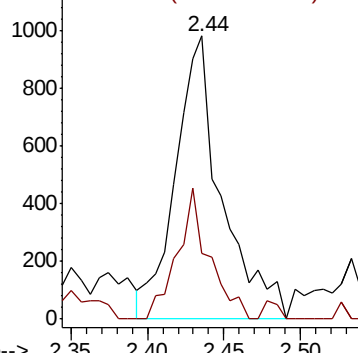
43 100

58 23.3 23.6 35.4#



Abundance Ion 43.00 (42.70 to 43.70): VX0

Ion 58.00 (57.70 to 58.70): VX0



#20

Methylene Chloride

Concen: 1.517 ug/l

RT: 2.84 min Scan# 321

Delta R.T. 0.00 min

Lab File: VX012386.D

Acq: 13 Sep 2019 14:57

Tgt Ion: 84 Resp: 6155

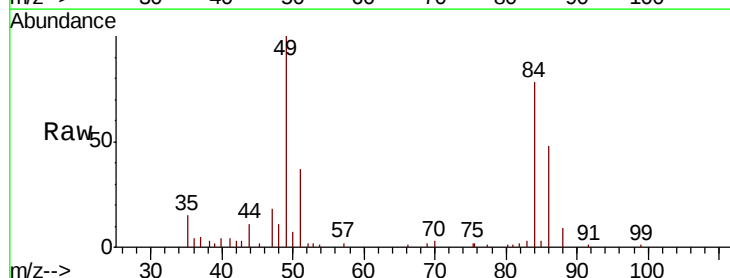
Ion Ratio Lower Upper

84 100

49 125.6 105.0 157.6

51 45.1 32.6 48.8

86 61.0 51.8 77.6

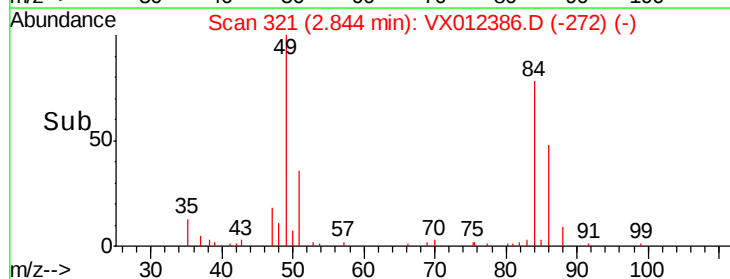
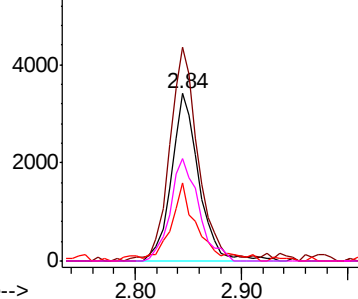


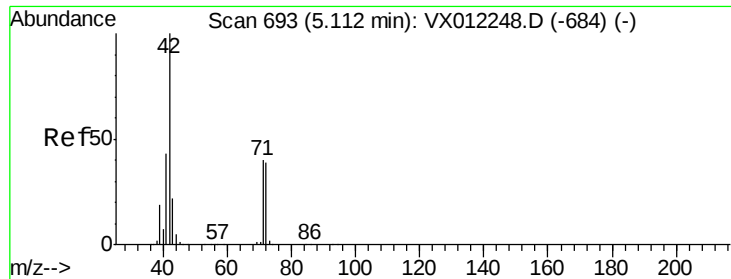
Abundance Ion 83.90 (83.60 to 84.60): VX0

Ion 48.90 (48.60 to 49.60): VX0

Ion 50.90 (50.60 to 51.60): VX0

Ion 85.90 (85.60 to 86.60): VX0





#29

Tetrahydrofuran

Concen: 6.734 ug/l

RT: 5.14 min Scan# 697

Delta R.T. 0.02 min

Lab File: VX012386.D

Acq: 13 Sep 2019 14:57

Instrument :

MSVOA_X

ClientSampled :

T5-1-(0)

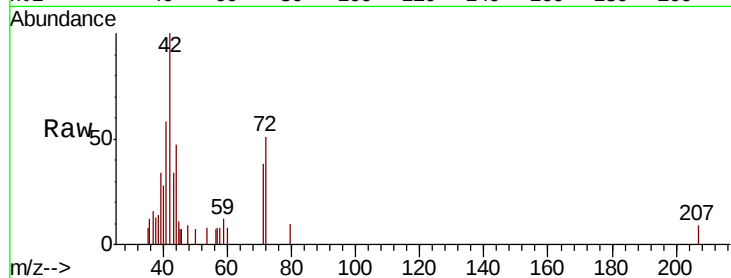
Tgt Ion: 42 Resp: 2250

Ion Ratio Lower Upper

42 100

72 48.7 35.2 52.8

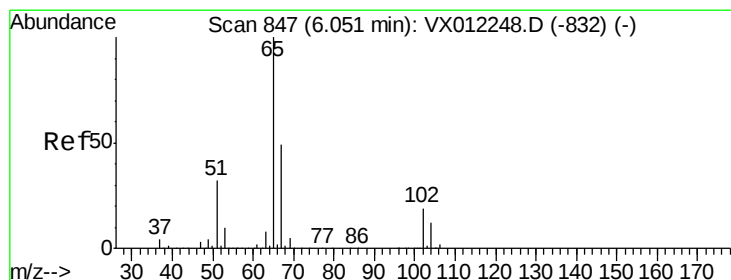
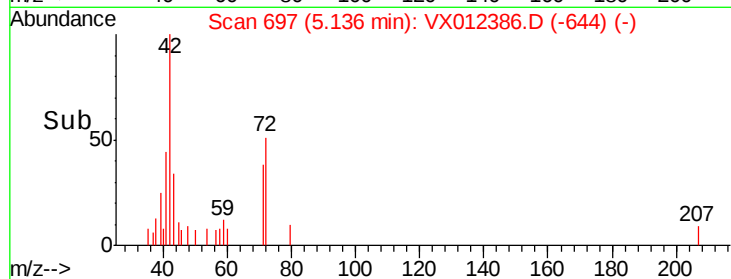
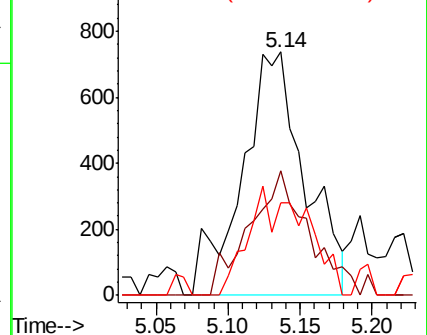
71 17.6 32.5 48.7#



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



#33

1,2-Dichloroethane-d4

Concen: 46.664 ug/l

RT: 6.05 min Scan# 847

Delta R.T. -0.00 min

Lab File: VX012386.D

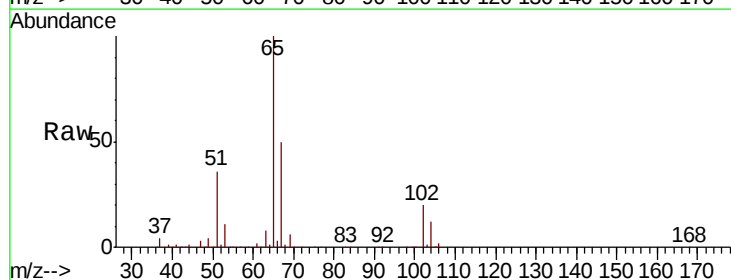
Acq: 13 Sep 2019 14:57

Tgt Ion: 65 Resp: 95495

Ion Ratio Lower Upper

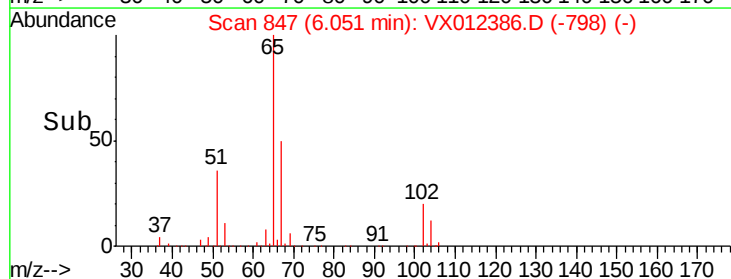
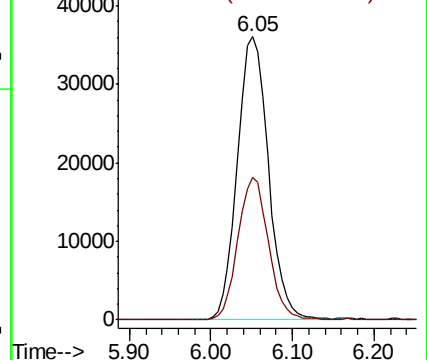
65 100

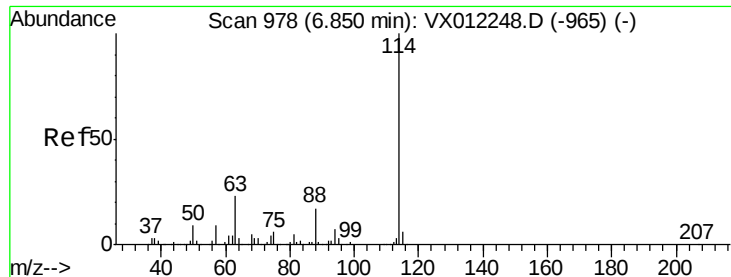
67 49.5 0.0 99.8



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: VX012386.D

Acq: 13 Sep 2019 14:57

Instrument :

MSVOA_X

ClientSampled :

T5-1-(0)

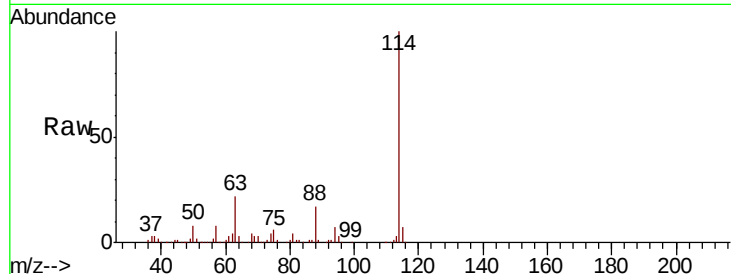
Tgt Ion:114 Resp: 244843

Ion Ratio Lower Upper

114 100

63 21.8 0.0 45.2

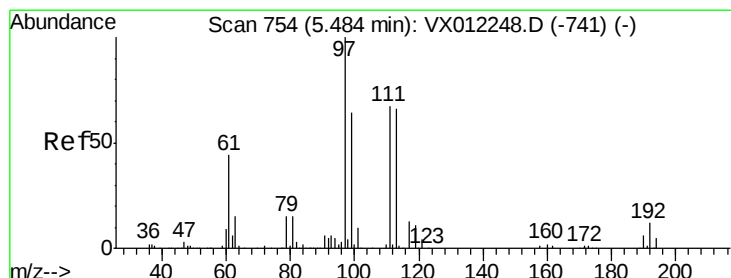
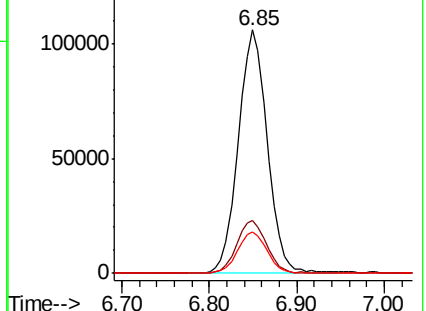
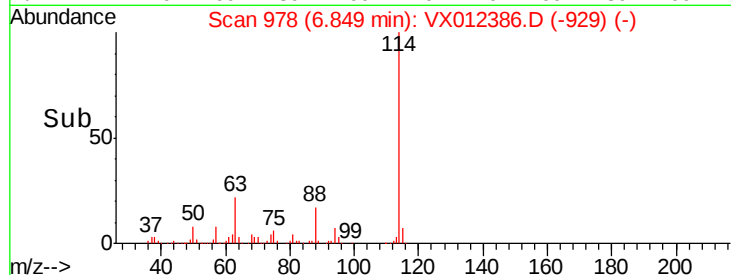
88 17.0 0.0 34.8



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: 45.913 ug/l

RT: 5.48 min Scan# 754

Delta R.T. -0.00 min

Lab File: VX012386.D

Acq: 13 Sep 2019 14:57

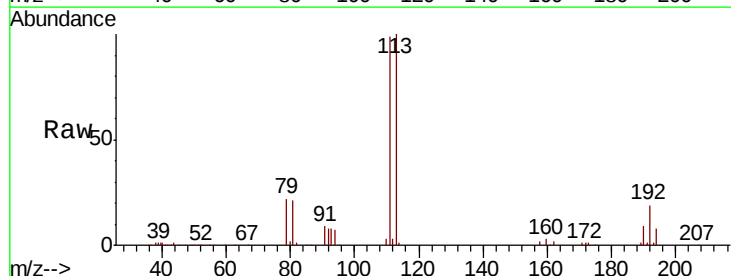
Tgt Ion:113 Resp: 72063

Ion Ratio Lower Upper

113 100

111 103.9 83.0 124.6

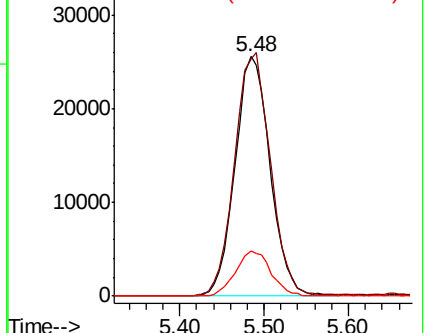
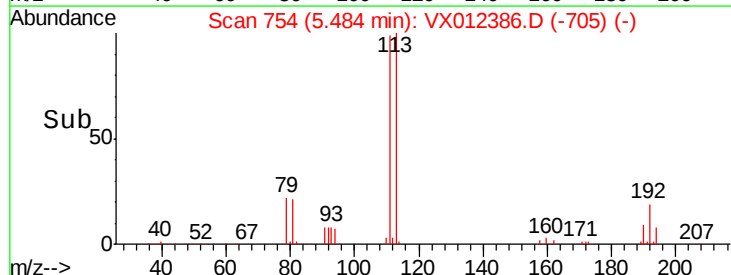
192 18.9 14.3 21.5

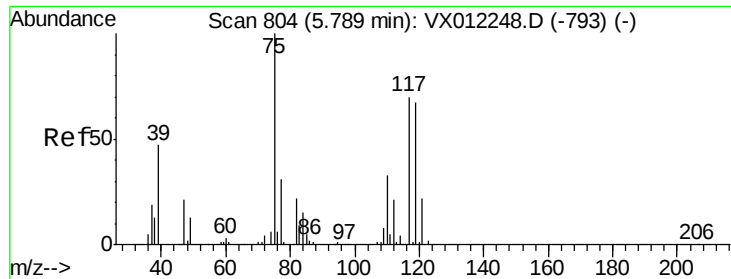


Abundance Ion 112.80 (112.50 to 113.50): V

Ion 110.80 (110.50 to 111.50): V

Ion 191.70 (191.40 to 192.40): V

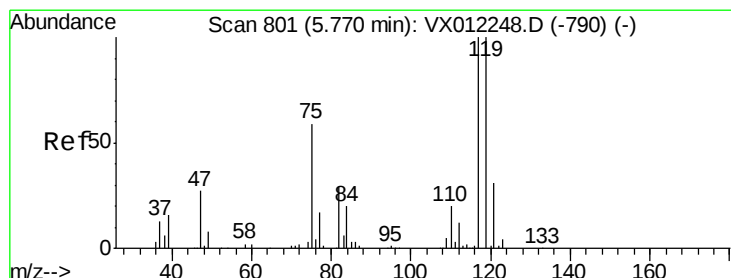
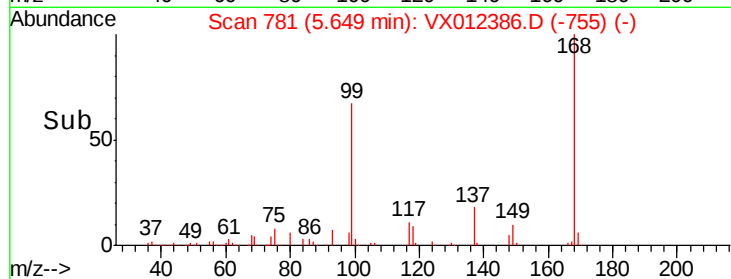
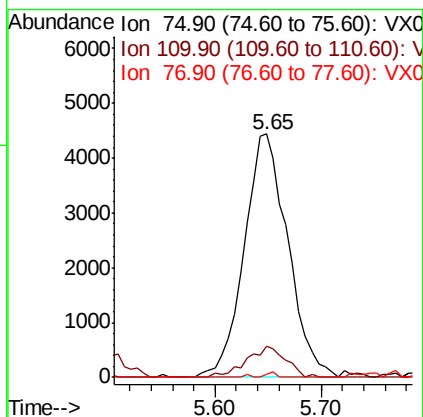
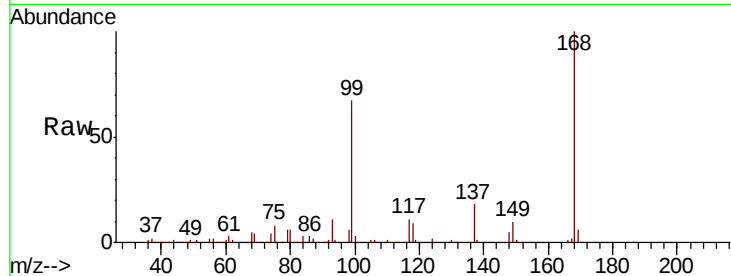




#36
 1,1-Dichloropropene
 Concen: 7.126 ug/l
 RT: 5.65 min Scan# 781
 Delta R.T. -0.14 min
 Lab File: VX012386.D
 Acq: 13 Sep 2019 14:57

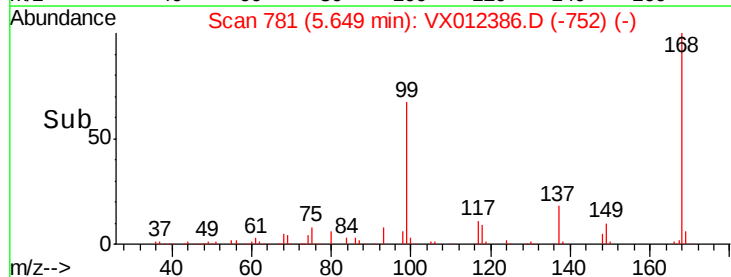
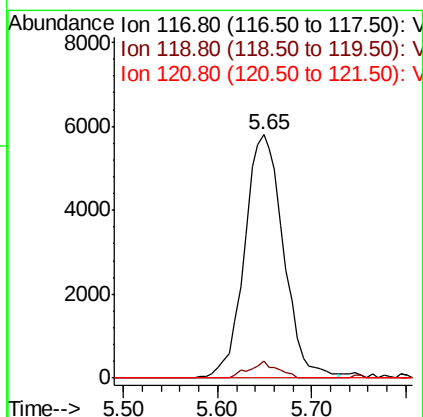
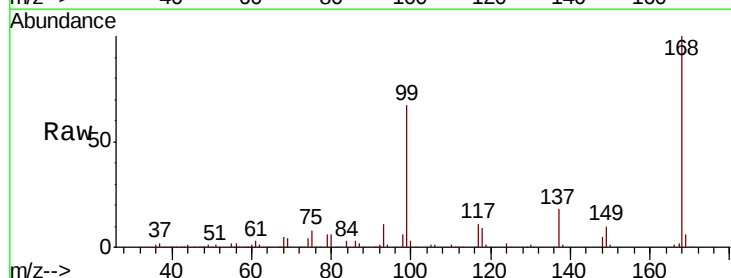
Instrument :
 MSVOA_X
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 T5-1-(0)

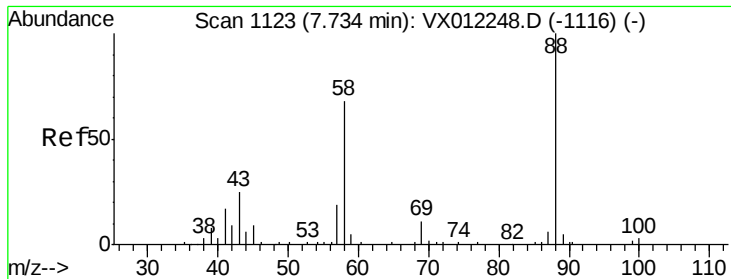
Tgt Ion: 75 Resp: 12722
 Ion Ratio Lower Upper
 75 100
 110 11.6 16.8 50.4#
 77 0.4 24.5 36.7#



#38
 Carbon Tetrachloride
 Concen: 8.010 ug/l
 RT: 5.65 min Scan# 781
 Delta R.T. -0.12 min
 Lab File: VX012386.D
 Acq: 13 Sep 2019 14:57

Tgt Ion: 117 Resp: 16778
 Ion Ratio Lower Upper
 117 100
 119 7.1 79.6 119.4#
 121 0.0 24.7 37.1#

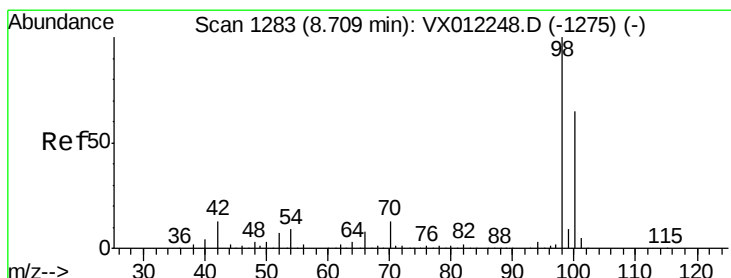
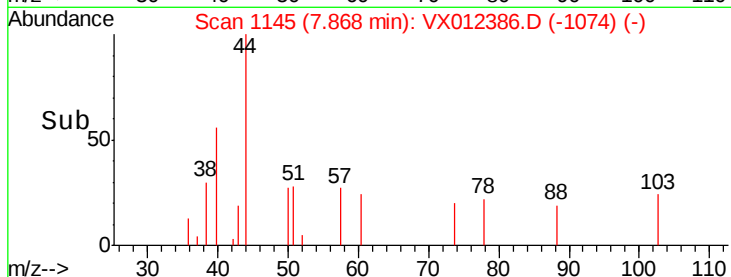
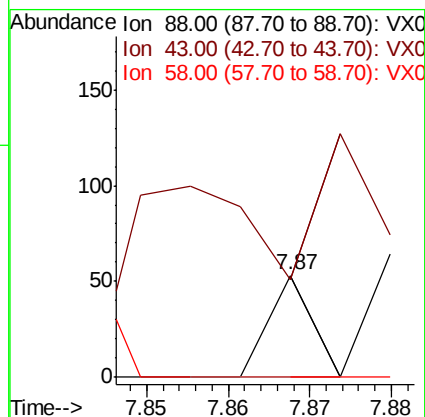
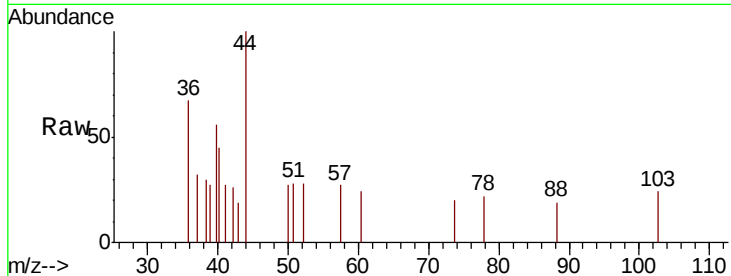




#49
1,4-Dioxane
Concen: 1.264 ug/l
RT: 7.87 min Scan# 1145
Delta R.T. 0.13 min
Lab File: VX012386.D
Acq: 13 Sep 2019 14:57

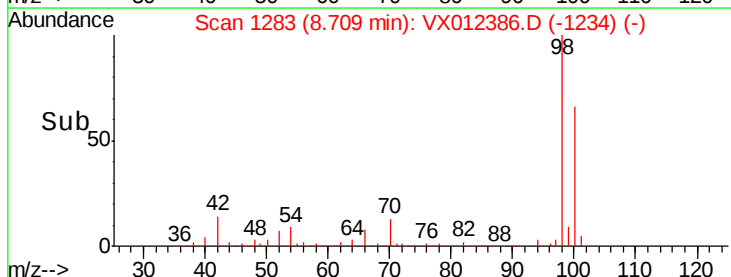
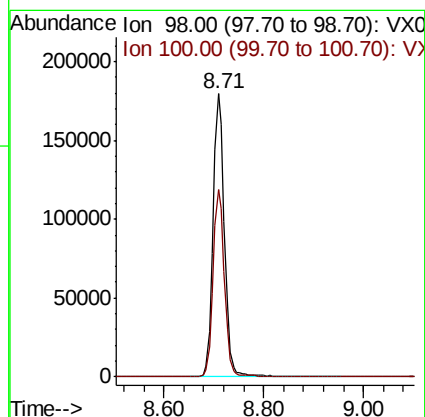
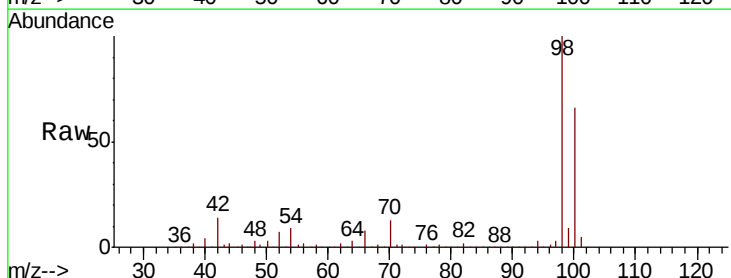
Instrument :
MSVOA_X
ClientSampled :
T5-1(0)

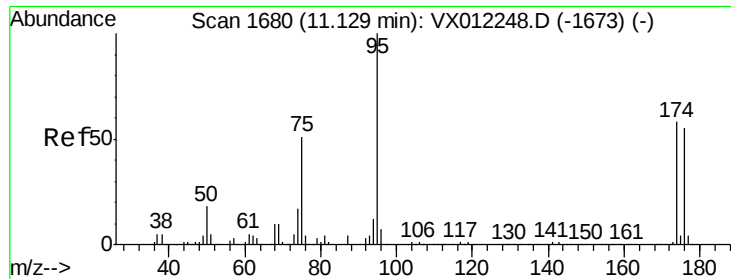
Tgt Ion: 88 Resp: 19
Ion Ratio Lower Upper
88 100
43 226.3 31.0 46.4#
58 0.0 61.5 92.3#



#50
Toluene-d8
Concen: 52.284 ug/l
RT: 8.71 min Scan# 1283
Delta R.T. -0.00 min
Lab File: VX012386.D
Acq: 13 Sep 2019 14:57

Tgt Ion: 98 Resp: 287820
Ion Ratio Lower Upper
98 100
100 66.5 54.1 81.1





#62

4-Bromofluorobenzene

Concen: 37.338 ug/l

RT: 11.14 min Scan# 1681

Delta R.T. 0.01 min

Lab File: VX012386.D

Acq: 13 Sep 2019 14:57

Instrument :

MSVOA_X

ClientSampled :

T5-1-(0)

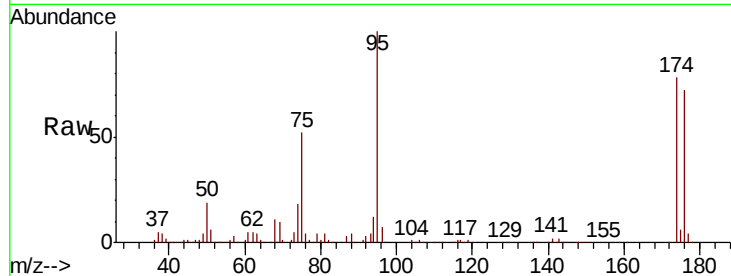
Tgt Ion: 95 Resp: 95291

Ion Ratio Lower Upper

95 100

174 69.6 0.0 127.0

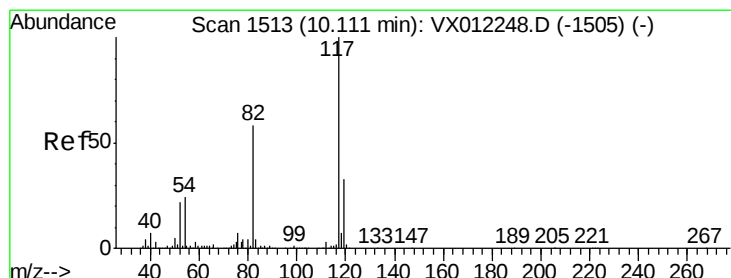
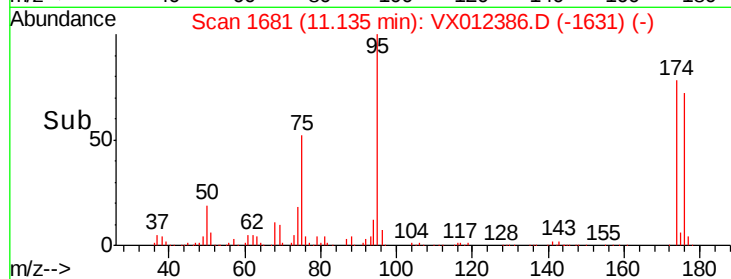
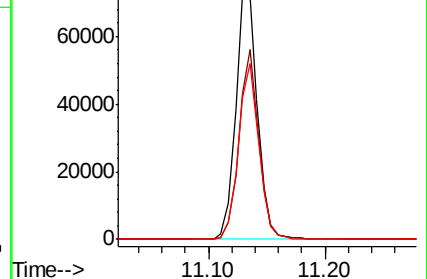
176 67.1 0.0 125.8



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: VX012386.D

Acq: 13 Sep 2019 14:57

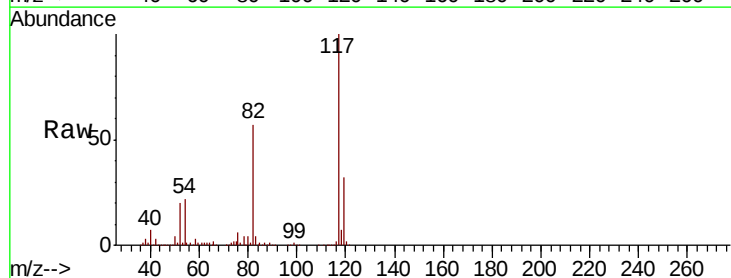
Tgt Ion: 117 Resp: 202737

Ion Ratio Lower Upper

117 100

82 57.1 46.4 69.6

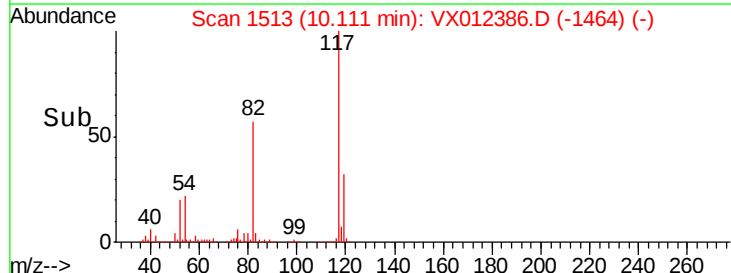
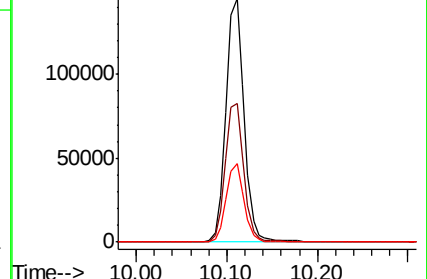
119 32.2 26.6 39.8

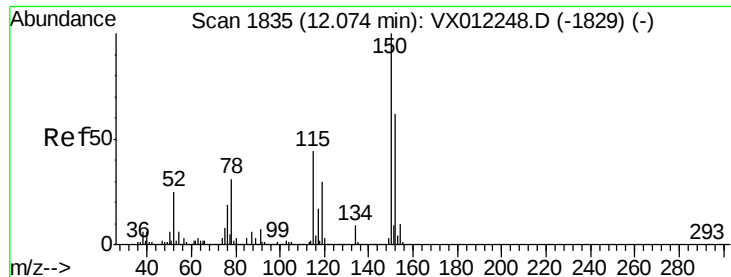


Abundance Ion 116.90 (116.60 to 117.60): VX012248.D (-1505) (-)

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: VX012386.D

Acq: 13 Sep 2019 14:57

Instrument :

MSVOA_X

ClientSampleId :

T5-1-(0)

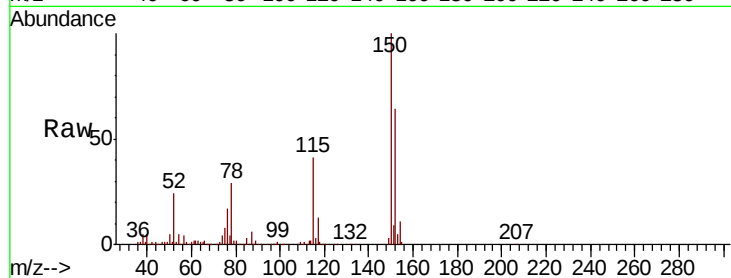
Tgt Ion:152 Resp: 72810

Ion Ratio Lower Upper

152 100

115 62.9 45.5 136.4

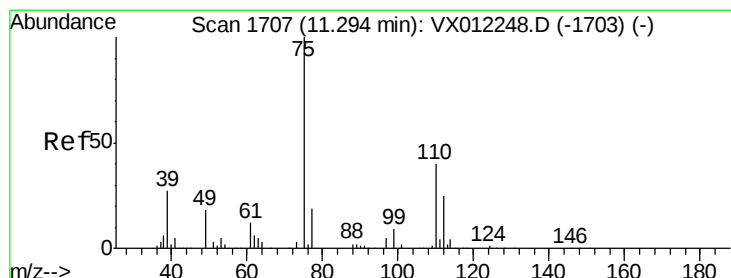
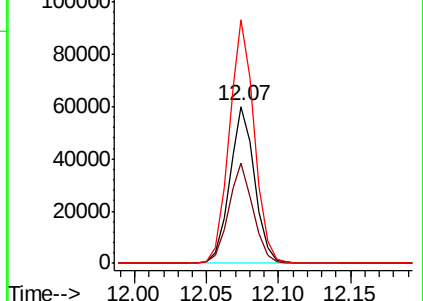
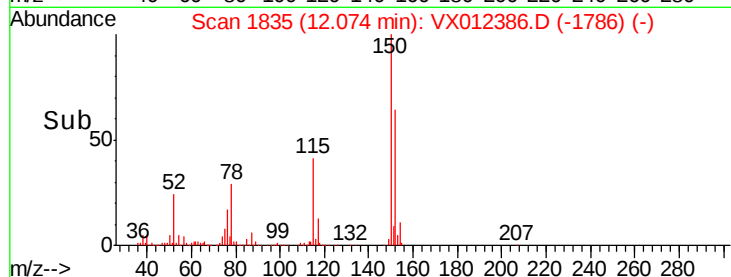
150 155.7 0.0 346.4



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: 53.570 ug/l

RT: 11.13 min Scan# 1680

Delta R.T. -0.16 min

Lab File: VX012386.D

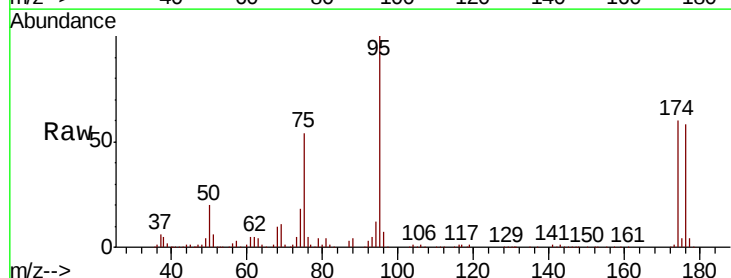
Acq: 13 Sep 2019 14:57

Tgt Ion: 75 Resp: 50107

Ion Ratio Lower Upper

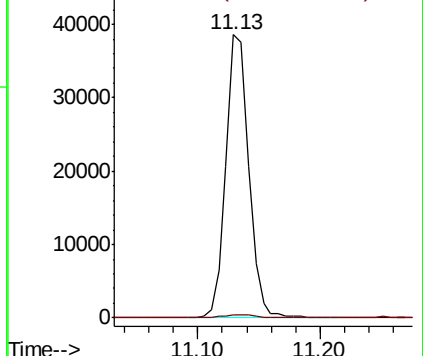
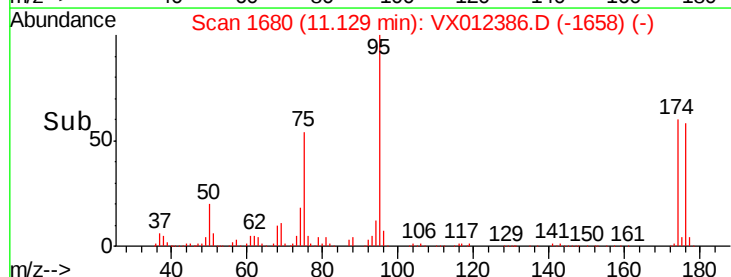
75 100

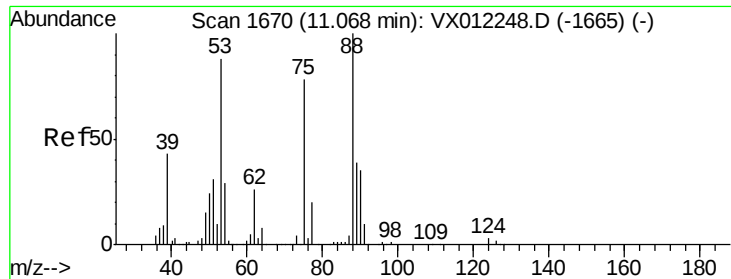
77 1.5 19.7 59.0#



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: 160.508 ug/l

RT: 11.13 min Scan# 1680

Delta R.T. 0.06 min

Lab File: VX012386.D

Acq: 13 Sep 2019 14:57

Instrument :

MSVOA_X

ClientSampleId :

T5-1-(0)

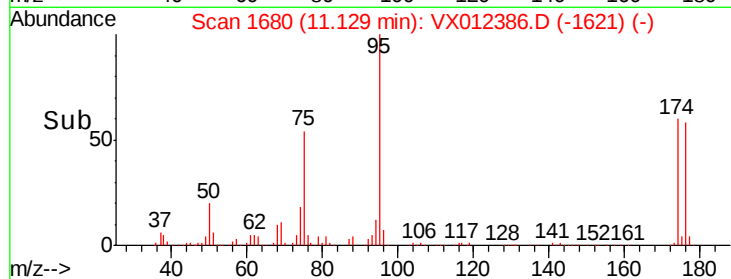
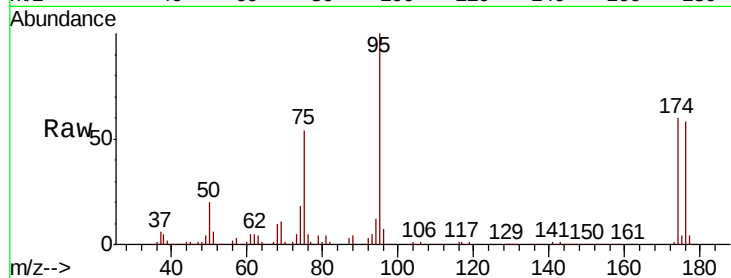
Tgt Ion: 75 Resp: 50107

Ion Ratio Lower Upper

75 100

53 0.4 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

