

Data Path : Z:\VOASRV\HPCHEM1\MSVOA_X\DATA\VX091119\
 Data File : VX012324.D
 Acq On : 12 Sep 2019 02:18
 Operator : SY/SP
 Sample : K4694-07
 Misc : 2.77g/5.0mL/MSVOA_X/SOIL
 ALS Vial : 37 Sample Multiplier: 1

Instrument :
 MSVOA_X
 ClientSampleId :
 T1-3-(1.5)

Quant Time: Sep 12 05:44:55 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	168770	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	6.85	114	287716	50.00	ug/l	0.00
63) Chlorobenzene-d5	10.11	117	256198	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	12.07	152	108128	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	115307	48.32	ug/l	0.00
Spiked Amount				50.000		
			Recovery	=	96.64%	
35) Dibromofluoromethane	5.48	113	86365	46.83	ug/l	0.00
Spiked Amount				50.000		
			Recovery	=	93.66%	
50) Toluene-d8	8.71	98	347314	53.69	ug/l	0.00
Spiked Amount				50.000		
			Recovery	=	107.38%	
62) 4-Bromofluorobenzene	11.14	95	131416	43.82	ug/l	0.00
Spiked Amount				50.000		
			Recovery	=	87.64%	

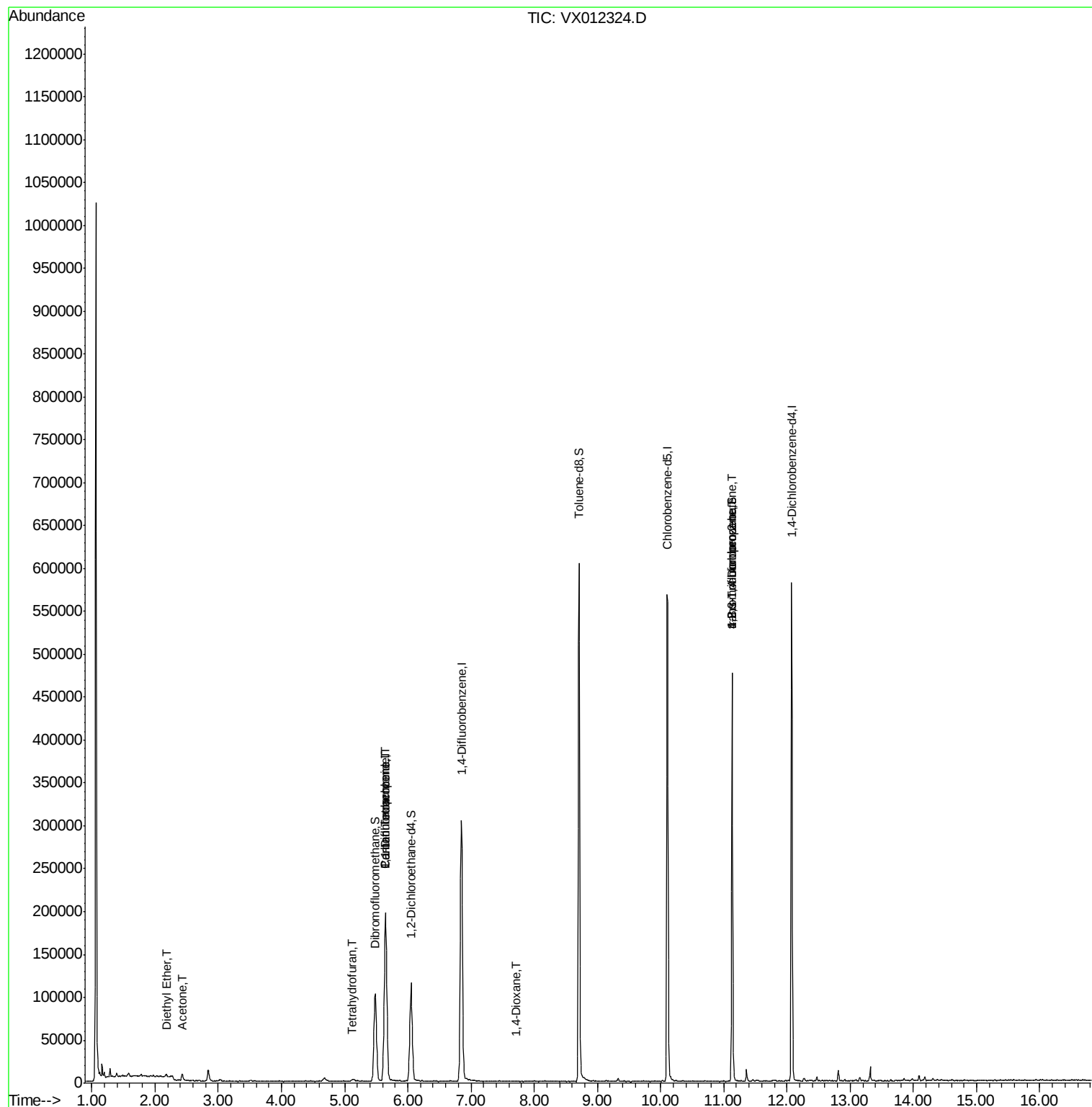
Target Compounds	R.T.	QIon	Response	Conc	Units	Qvalue
5) Bromomethane	1.64	94	357	Below Cal		93
8) Diethyl Ether	2.18	74	1040	1.366	ug/l	81
11) Tert butyl alcohol	3.03	59	2127	Below Cal	#	74
16) Acetone	2.43	43	8189	14.498	ug/l	91
29) Tetrahydrofuran	5.12	42	3825	9.818	ug/l	# 88
36) 1,1-Dichloropropene	5.65	75	15102	7.199	ug/l	# 52
38) Carbon Tetrachloride	5.64	117	18943	7.696	ug/l	# 15
49) 1,4-Dioxane	7.71	88	20	1.133	ug/l	# 1
76) 1,2,3-Trichloropropane	11.14	75	68815	49.541	ug/l	# 38
81) trans-1,4-Dichloro-2-buten	11.14	75	68815	148.435	ug/l	# 5

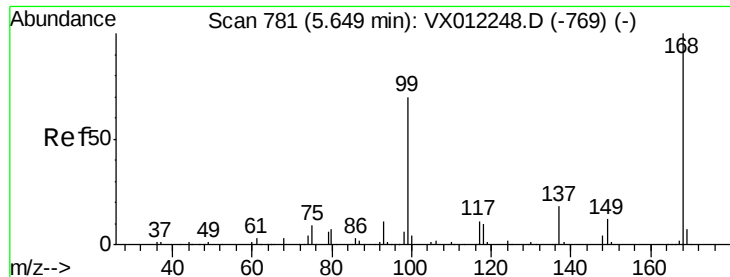
(#) = qualifier out of range (m) = manual integration (+) = signals summed

Data Path : Z:\V0ASRV\HPCHEM1\MSVOA_X\DATA\VX091119\
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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: VX012324.D

Acq: 12 Sep 2019 02:18

Instrument :

MSVOA_X

ClientSampleId :

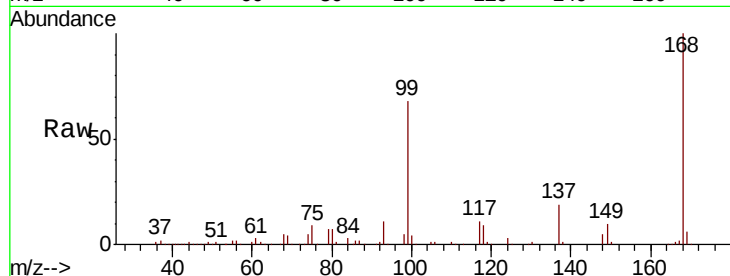
T1-3-(1.5)

Tgt Ion:168 Resp: 168770

Ion Ratio Lower Upper

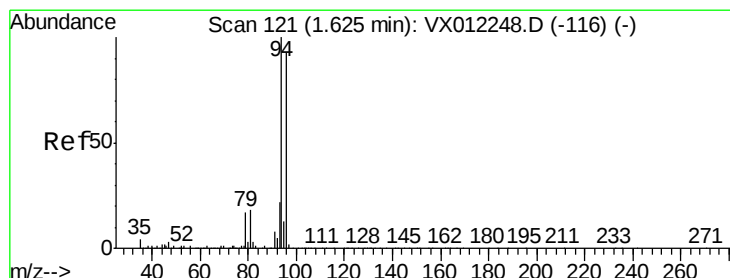
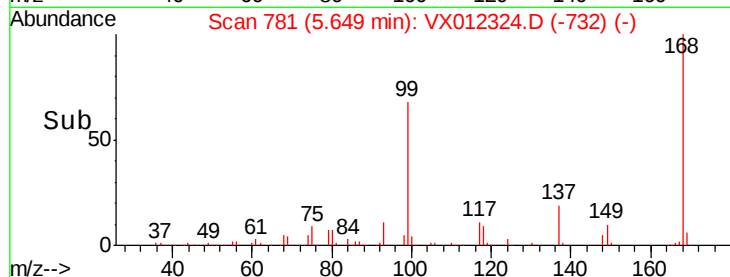
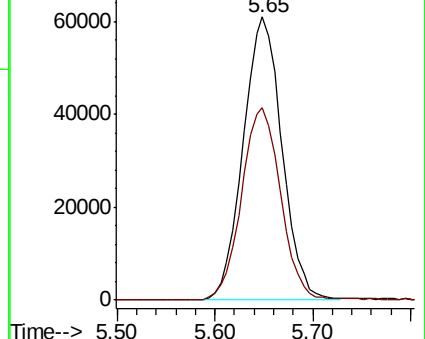
168 100

99 68.0 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: VX012324.D

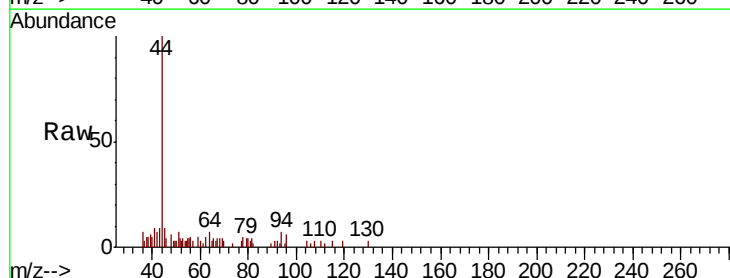
Acq: 12 Sep 2019 02:18

Tgt Ion: 94 Resp: 357

Ion Ratio Lower Upper

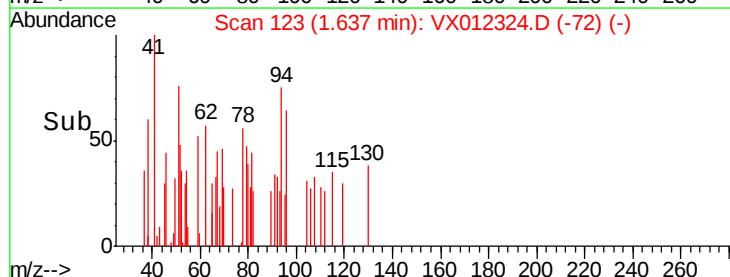
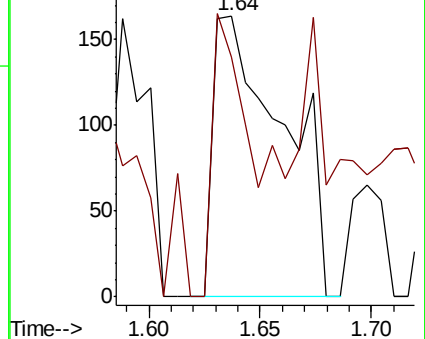
94 100

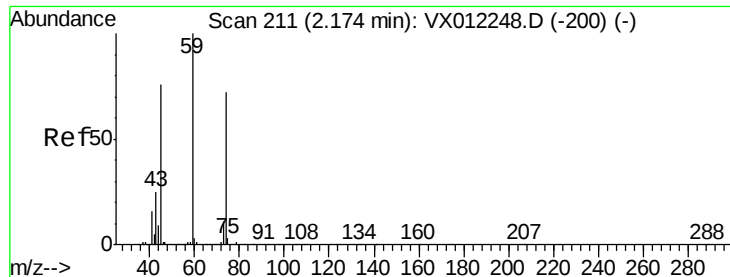
96 85.4 74.0 111.0



Abundance Ion 93.90 (93.60 to 94.60): VX0

Ion 95.90 (95.60 to 96.60): VX0

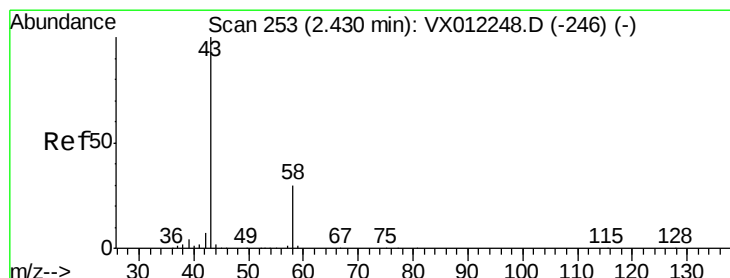
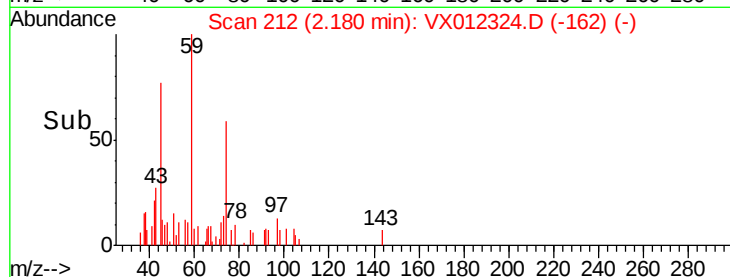
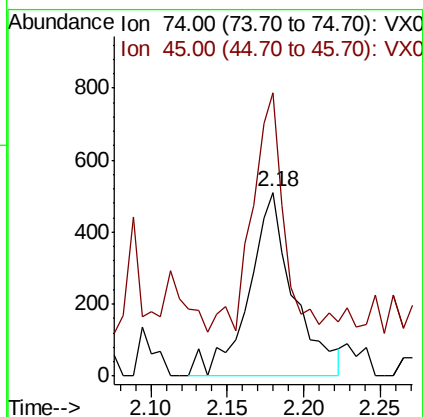
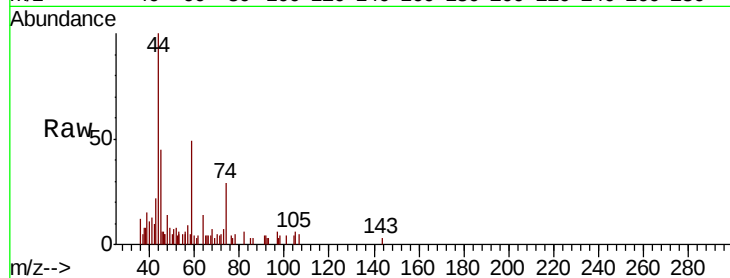




#8
Diethyl Ether
Concen: 1.366 ug/l
RT: 2.18 min Scan# 212
Delta R.T. 0.01 min
Lab File: VX012324.D
Acq: 12 Sep 2019 02:18

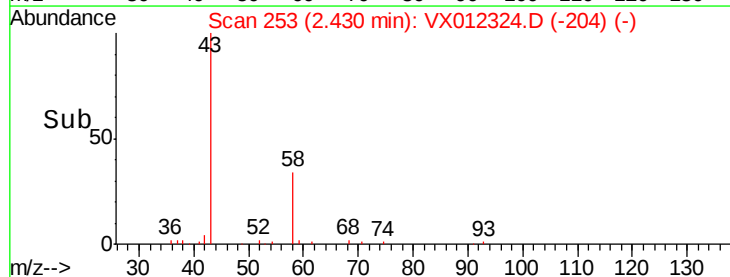
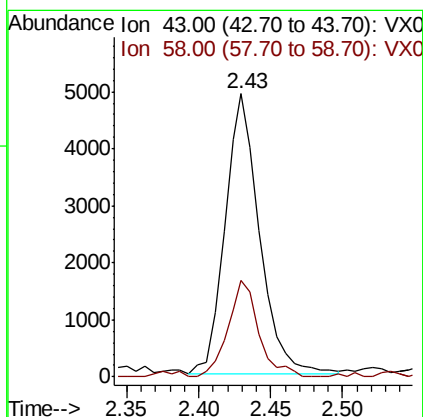
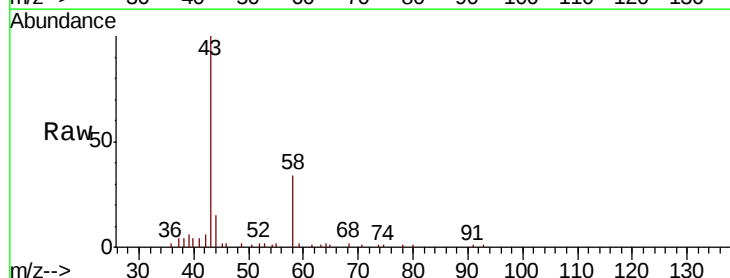
Instrument :
MSVOA_X
ClientSampleId :
T1-3-(1.5)

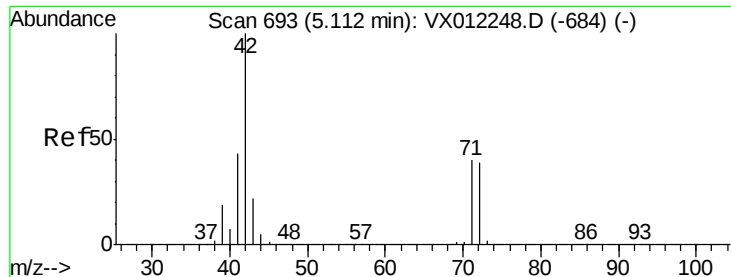
Tgt Ion: 74 Resp: 1040
Ion Ratio Lower Upper
74 100
45 83.2 51.3 153.9



#16
Acetone
Concen: 14.498 ug/l
RT: 2.43 min Scan# 253
Delta R.T. 0.00 min
Lab File: VX012324.D
Acq: 12 Sep 2019 02:18

Tgt Ion: 43 Resp: 8189
Ion Ratio Lower Upper
43 100
58 34.5 23.6 35.4





#29

Tetrahydrofuran

Concen: 9.818 ug/l

RT: 5.12 min Scan# 695

Delta R.T. 0.01 min

Lab File: VX012324.D

Acq: 12 Sep 2019 02:18

Instrument :

MSVOA_X

ClientSampled :

T1-3-(1.5)

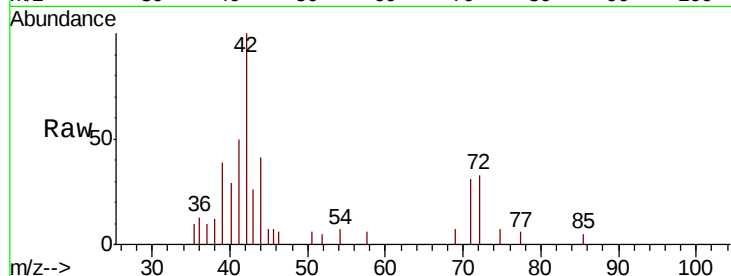
Tgt Ion: 42 Resp: 3825

Ion Ratio Lower Upper

42 100

72 36.6 35.2 52.8

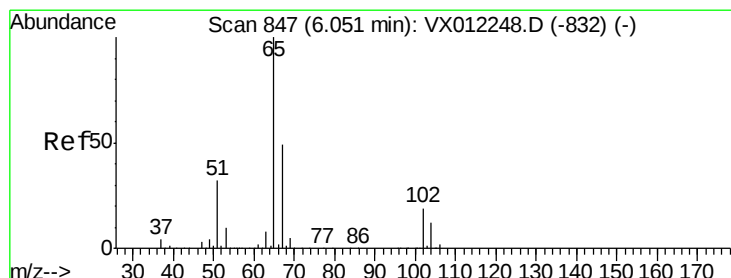
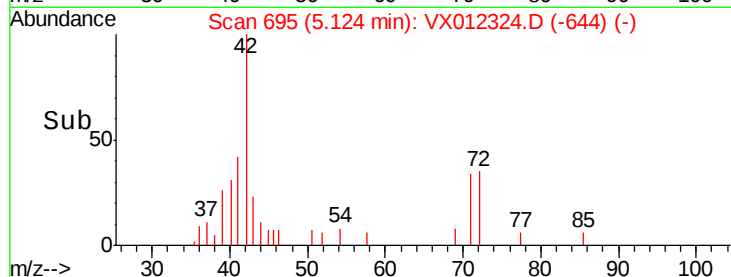
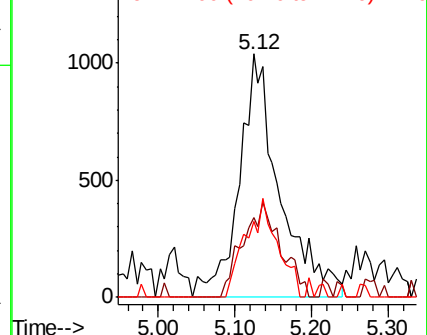
71 32.3 32.5 48.7#



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: 48.325 ug/l

RT: 6.05 min Scan# 847

Delta R.T. 0.00 min

Lab File: VX012324.D

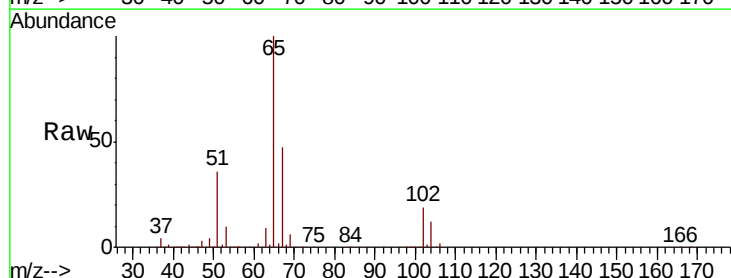
Acq: 12 Sep 2019 02:18

Tgt Ion: 65 Resp: 115307

Ion Ratio Lower Upper

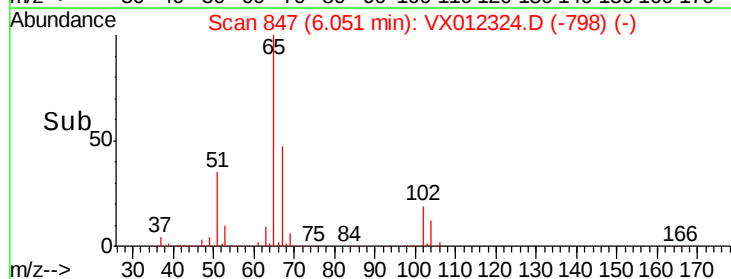
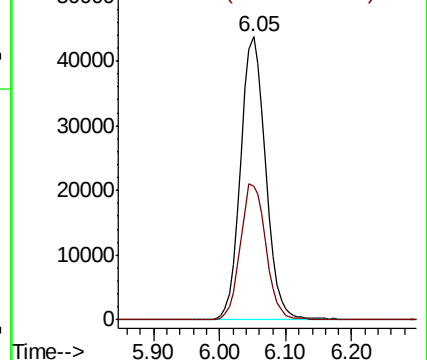
65 100

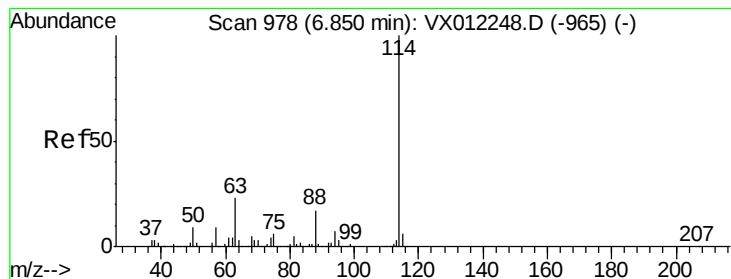
67 48.9 0.0 99.8



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: VX012324.D

Acq: 12 Sep 2019 02:18

Instrument :

MSVOA_X

ClientSampleId :

T1-3-(1.5)

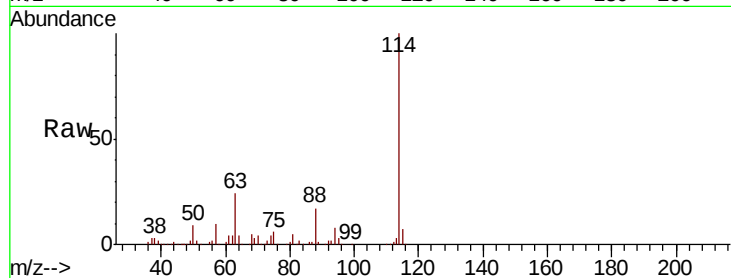
Tgt Ion:114 Resp: 287716

Ion Ratio Lower Upper

114 100

63 23.5 0.0 45.2

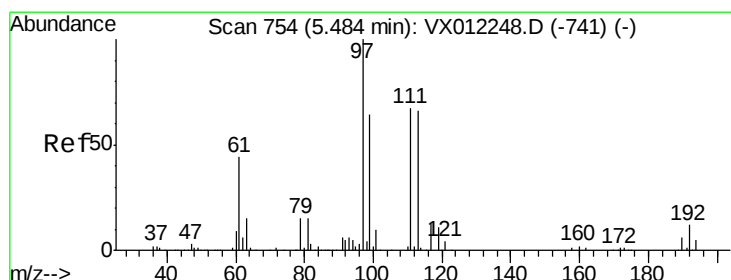
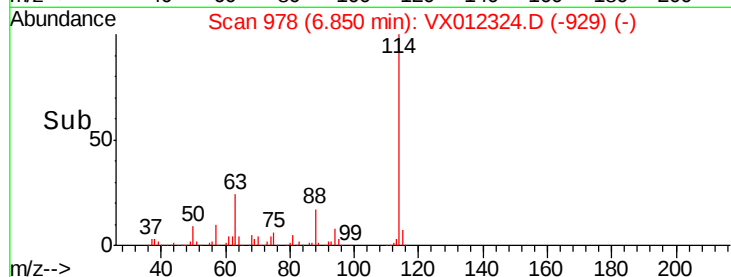
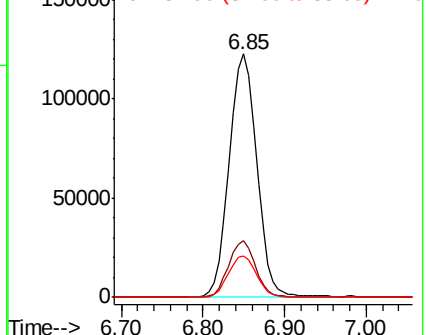
88 17.0 0.0 34.8



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: 46.826 ug/l

RT: 5.48 min Scan# 754

Delta R.T. 0.00 min

Lab File: VX012324.D

Acq: 12 Sep 2019 02:18

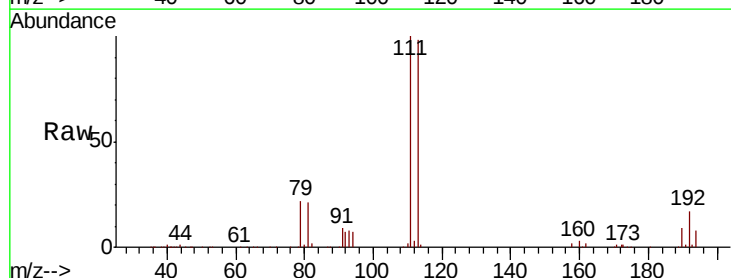
Tgt Ion:113 Resp: 86365

Ion Ratio Lower Upper

113 100

111 103.3 83.0 124.6

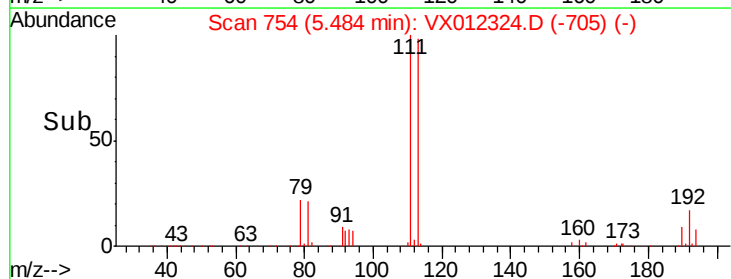
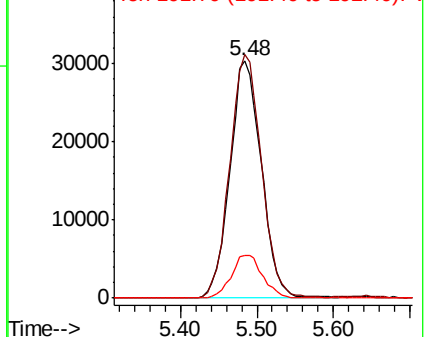
192 17.9 14.3 21.5

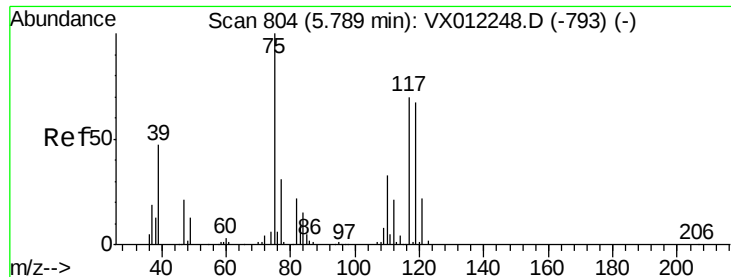


Abundance Ion 112.80 (112.50 to 113.50): V

Ion 110.80 (110.50 to 111.50): V

Ion 191.70 (191.40 to 192.40): V





#36

1,1-Dichloropropene

Concen: 7.199 ug/l

RT: 5.65 min Scan# 781

Delta R.T. -0.14 min

Lab File: VX012324.D

Acq: 12 Sep 2019 02:18

Instrument :

MSVOA_X

ClientSampled :

T1-3-(1.5)

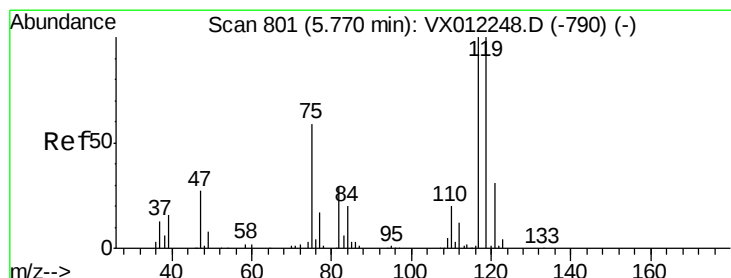
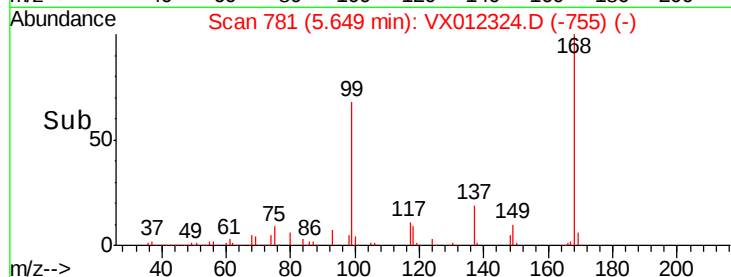
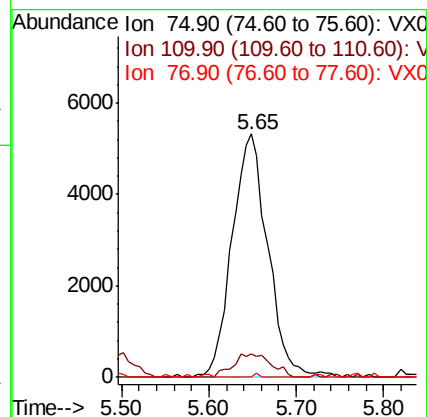
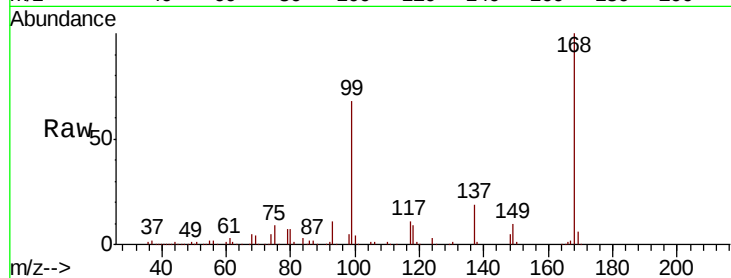
Tgt Ion: 75 Resp: 15102

Ion Ratio Lower Upper

75 100

110 10.4 16.8 50.4#

77 0.2 24.5 36.7#



#38

Carbon Tetrachloride

Concen: 7.696 ug/l

RT: 5.64 min Scan# 780

Delta R.T. -0.13 min

Lab File: VX012324.D

Acq: 12 Sep 2019 02:18

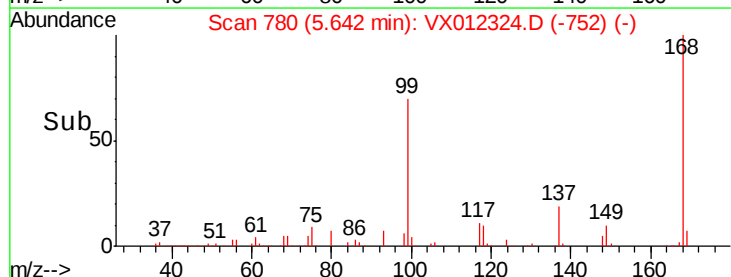
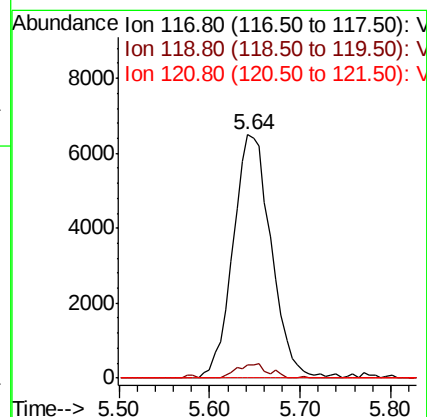
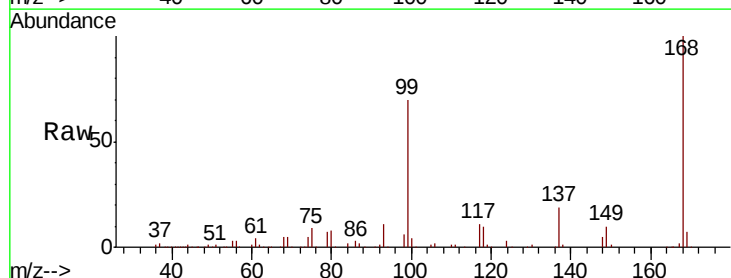
Tgt Ion: 117 Resp: 18943

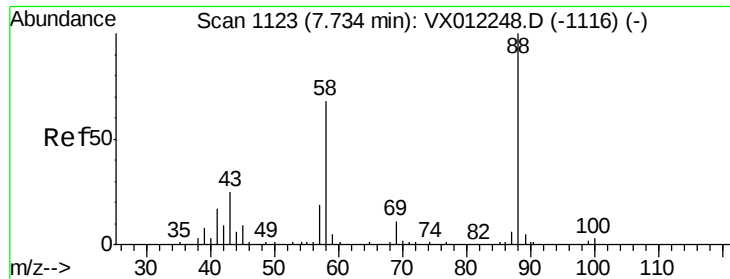
Ion Ratio Lower Upper

117 100

119 5.5 79.6 119.4#

121 0.0 24.7 37.1#

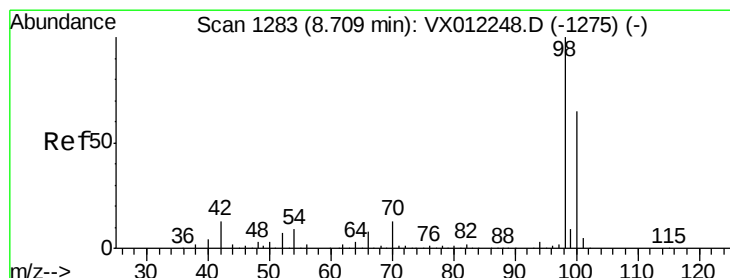
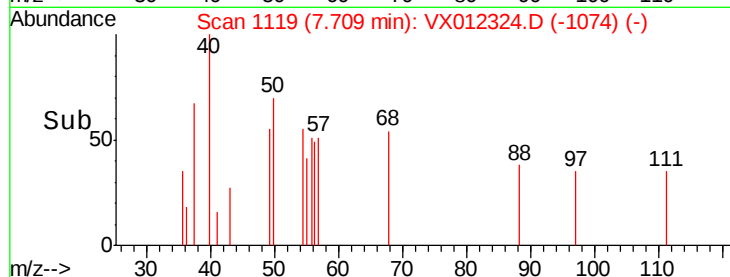
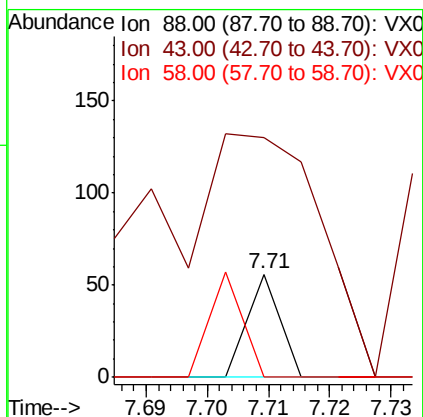
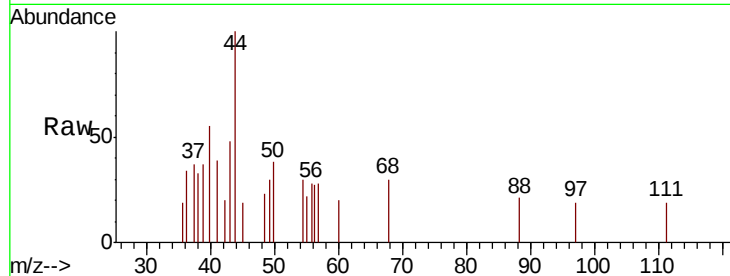




#49
 1,4-Dioxane
 Concen: 1.133 ug/l
 RT: 7.71 min Scan# 1119
 Delta R.T. -0.02 min
 Lab File: VX012324.D
 Acq: 12 Sep 2019 02:18

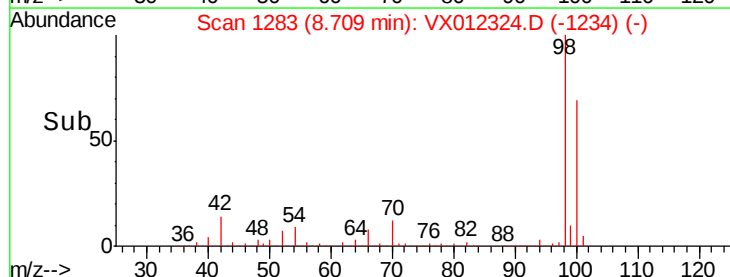
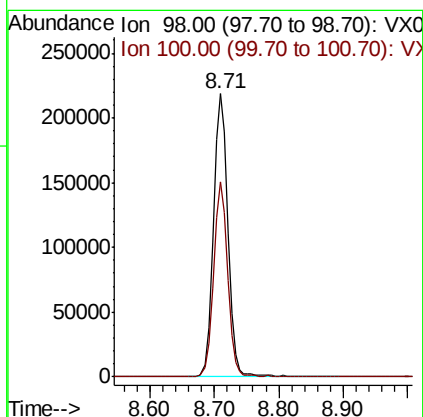
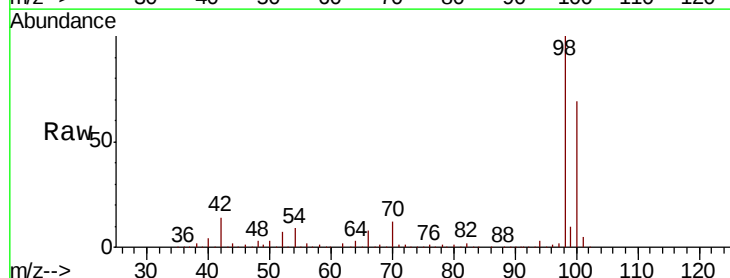
Instrument :
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 T1-3-(1.5)

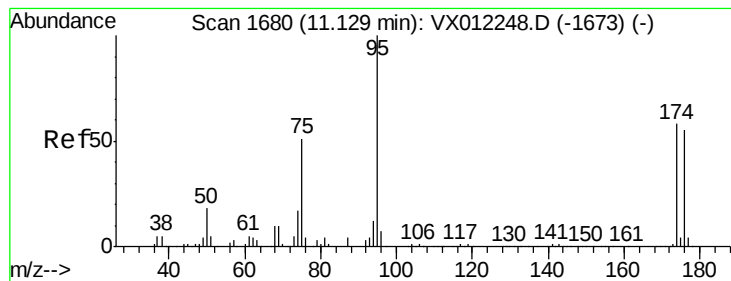
Tgt Ion: 88 Resp: 20
 Ion Ratio Lower Upper
 88 100
 43 805.0 31.0 46.4#
 58 105.0 61.5 92.3#



#50
 Toluene-d8
 Concen: 53.690 ug/l
 RT: 8.71 min Scan# 1283
 Delta R.T. 0.00 min
 Lab File: VX012324.D
 Acq: 12 Sep 2019 02:18

Tgt Ion: 98 Resp: 347314
 Ion Ratio Lower Upper
 98 100
 100 66.5 54.1 81.1





#62

4-Bromofluorobenzene

Concen: 43.820 ug/l

RT: 11.14 min Scan# 1681

Delta R.T. 0.01 min

Lab File: VX012324.D

Acq: 12 Sep 2019 02:18

Instrument :

MSVOA_X

ClientSampled :

T1-3-(1.5)

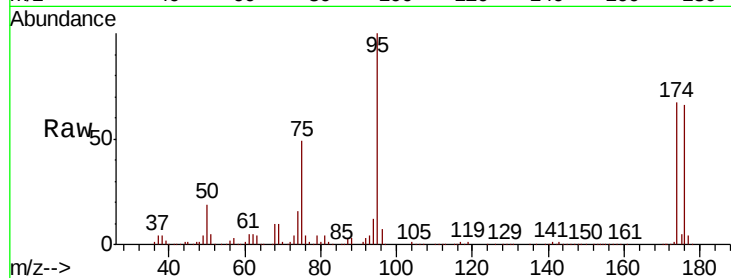
Tgt Ion: 95 Resp: 131416

Ion Ratio Lower Upper

95 100

174 65.7 0.0 127.0

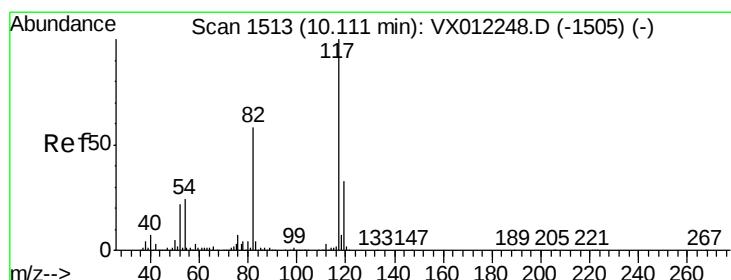
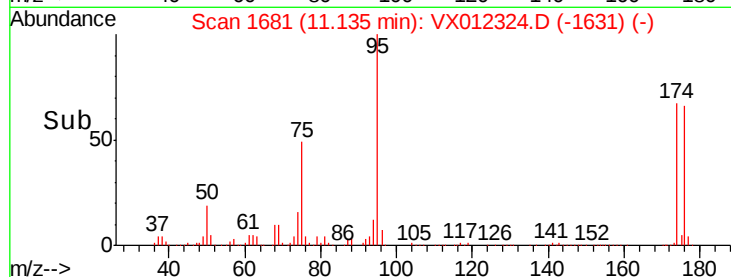
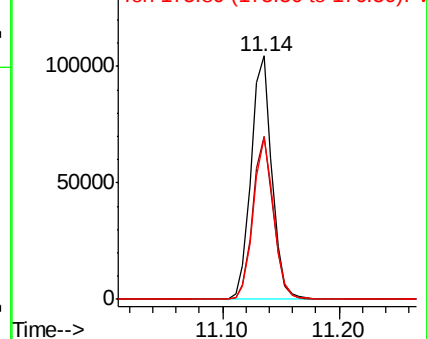
176 64.6 0.0 125.8



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: VX012324.D

Acq: 12 Sep 2019 02:18

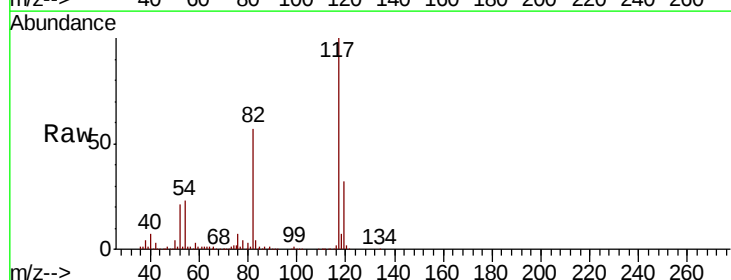
Tgt Ion: 117 Resp: 256198

Ion Ratio Lower Upper

117 100

82 56.9 46.4 69.6

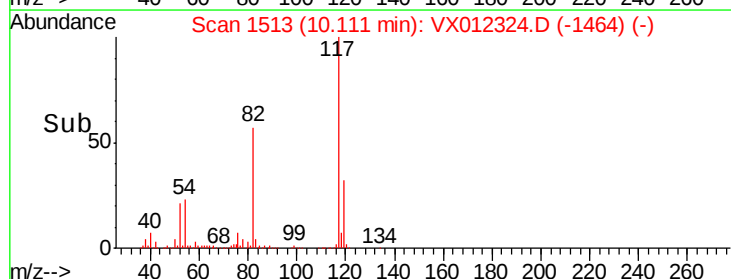
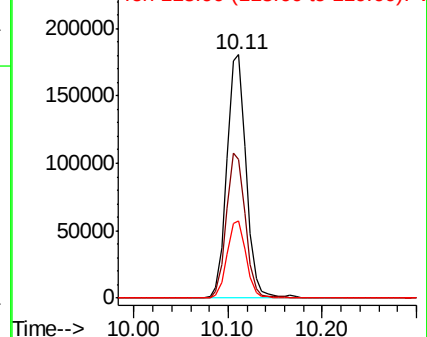
119 31.8 26.6 39.8

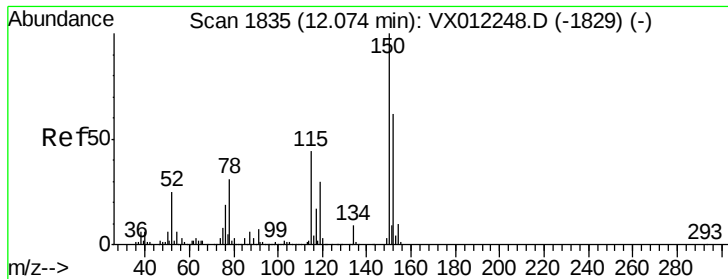


Abundance Ion 116.90 (116.60 to 117.60): VX012248.D (-1505) (-)

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: VX012324.D

Acq: 12 Sep 2019 02:18

Instrument :

MSVOA_X

ClientSampleId :

T1-3-(1.5)

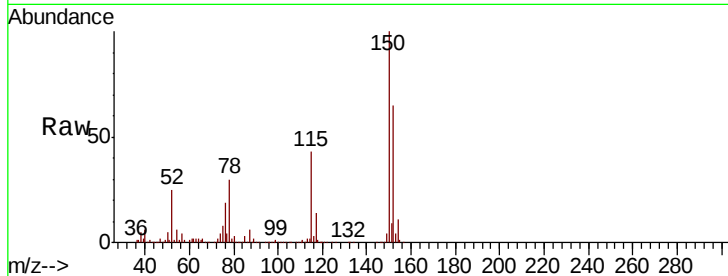
Tgt Ion:152 Resp: 108128

Ion Ratio Lower Upper

152 100

115 65.2 45.5 136.4

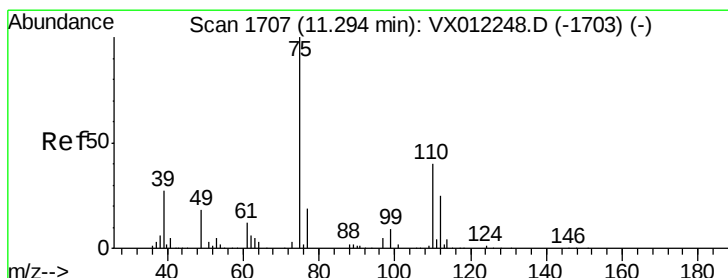
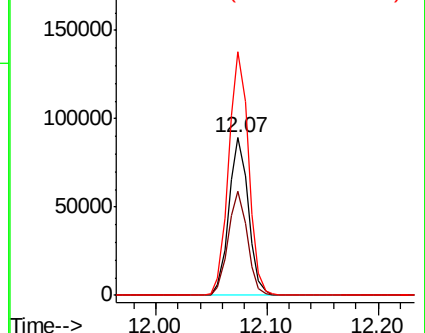
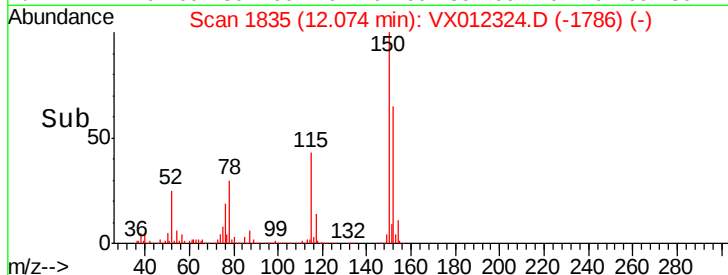
150 158.2 0.0 346.4



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: 49.541 ug/l

RT: 11.14 min Scan# 1681

Delta R.T. -0.16 min

Lab File: VX012324.D

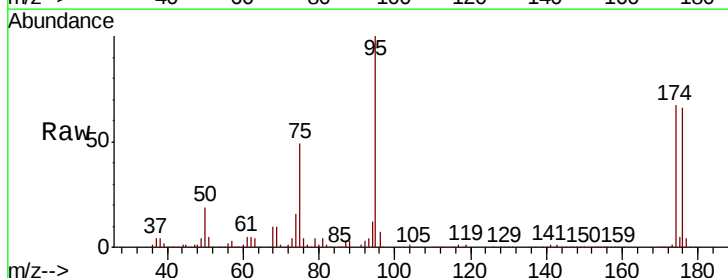
Acq: 12 Sep 2019 02:18

Tgt Ion: 75 Resp: 68815

Ion Ratio Lower Upper

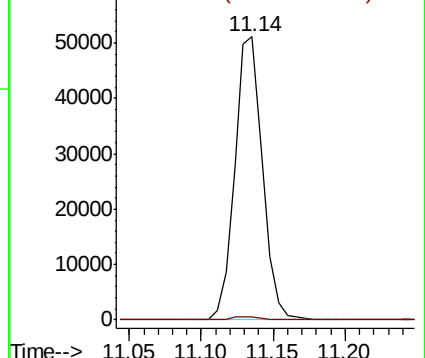
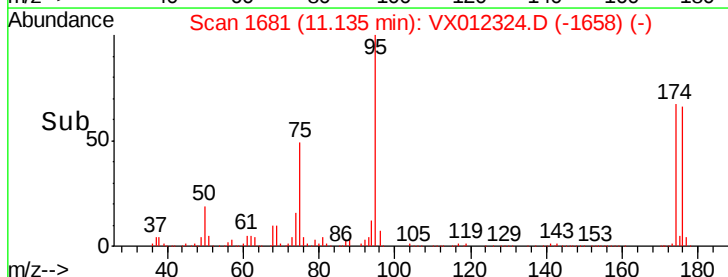
75 100

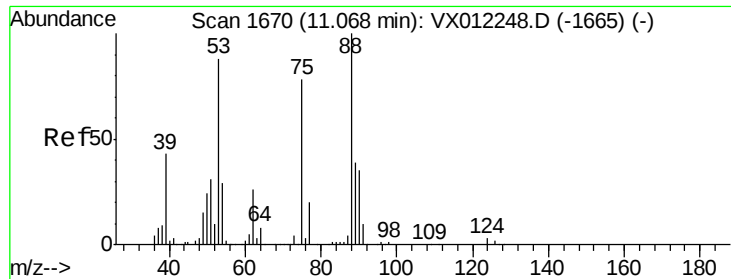
77 1.2 19.7 59.0#



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: 148.435 ug/l

RT: 11.14 min Scan# 1681

Delta R.T. 0.07 min

Lab File: VX012324.D

Acq: 12 Sep 2019 02:18

Instrument :

MSVOA_X

ClientSampleId :

T1-3-(1.5)

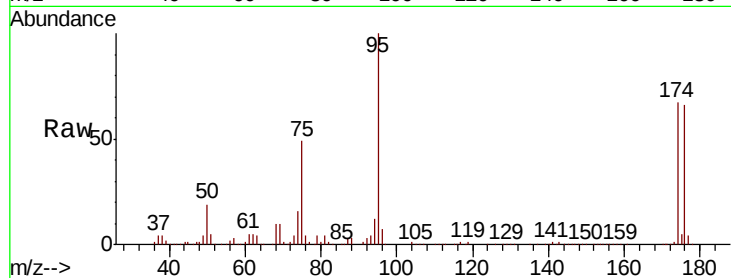
Tgt Ion: 75 Resp: 68815

Ion Ratio Lower Upper

75 100

53 0.1 88.1 132.1#

89 0.0 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

