

Data Path : Z:\VOASRV\HPCHEM1\MSVOA_X\DATA\VX091119\
 Data File : VX012323.D
 Acq On : 12 Sep 2019 01:50
 Operator : SY/SP
 Sample : K4694-06
 Misc : 3.37g/5.0mL/MSVOA_X/SOIL
 ALS Vial : 36 Sample Multiplier: 1

Instrument :
 MSVOA_X
 ClientSampleId :
 T1-3-(0)

Quant Time: Sep 12 05:44:44 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	159144	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	6.85	114	275708	50.00	ug/l	0.00
63) Chlorobenzene-d5	10.11	117	216895	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	12.07	152	72439	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	106347	47.27	ug/l	0.00
Spiked Amount			Recovery	=	94.54%	
35) Dibromofluoromethane	5.48	113	82025	46.41	ug/l	0.00
Spiked Amount			Recovery	=	92.82%	
50) Toluene-d8	8.71	98	313049	50.50	ug/l	0.00
Spiked Amount			Recovery	=	101.00%	
62) 4-Bromofluorobenzene	11.14	95	101549	35.34	ug/l	0.00
Spiked Amount			Recovery	=	70.68%	

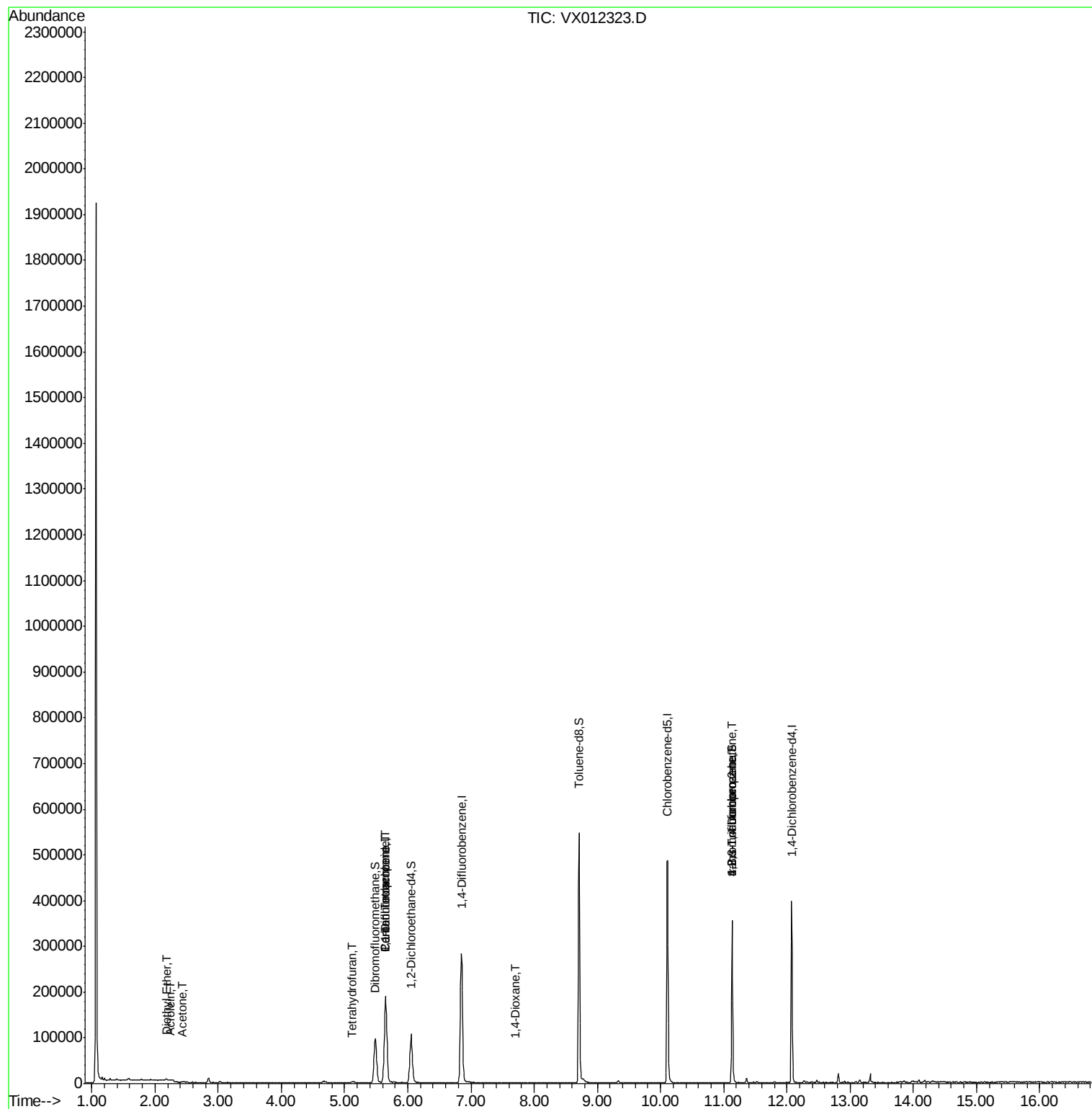
Target Compounds	R.T.	QIon	Response	Conc	Units	Qvalue
5) Bromomethane	1.65	94	405	Below Cal	#	66
8) Diethyl Ether	2.18	74	827	1.152	ug/l	91
11) Tert butyl alcohol	3.03	59	1740	Below Cal	#	92
13) Acrolein	2.25	56	227	1.930	ug/l #	16
16) Acetone	2.44	43	2141	4.020	ug/l #	82
20) Methylene Chloride	2.85	84	3999	Below Cal		94
29) Tetrahydrofuran	5.12	42	2318	6.310	ug/l	93
36) 1,1-Dichloropropene	5.64	75	14135	7.031	ug/l #	51
38) Carbon Tetrachloride	5.65	117	18102	7.675	ug/l #	14
49) 1,4-Dioxane	7.70	88	19	1.123	ug/l #	1
76) 1,2,3-Trichloropropane	11.14	75	54141	58.179	ug/l #	38
81) trans-1,4-Dichloro-2-buten	11.14	75	54141	174.319	ug/l #	5

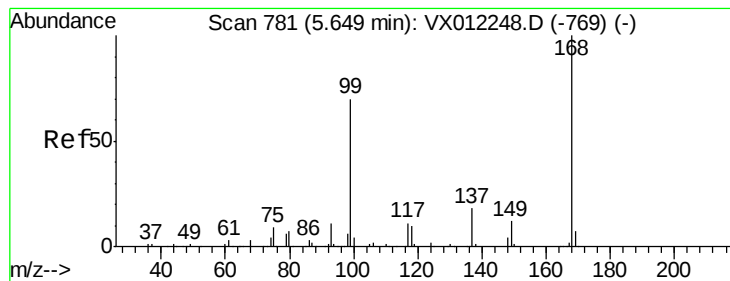
(#) = qualifier out of range (m) = manual integration (+) = signals summed

Data Path : Z:\V0ASRV\HPCHEM1\MSVOA_X\DATA\VX091119\
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#1

Pentafluorobenzene

Concen: 50.000 ug/l

RT: 5.65 min Scan# 781

Delta R.T. -0.00 min

Lab File: VX012323.D

Acq: 12 Sep 2019 01:50

Instrument :

MSVOA_X

ClientSampleId :

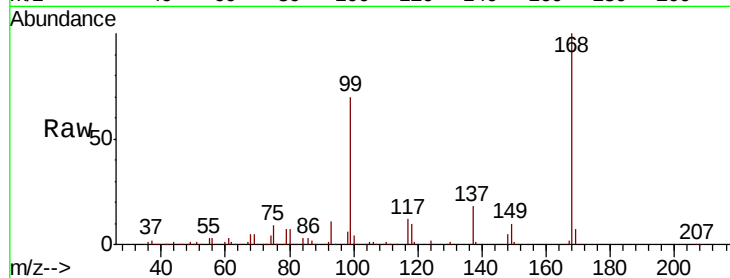
T1-3-(0)

Tgt Ion:168 Resp: 159144

Ion Ratio Lower Upper

168 100

99 70.4 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

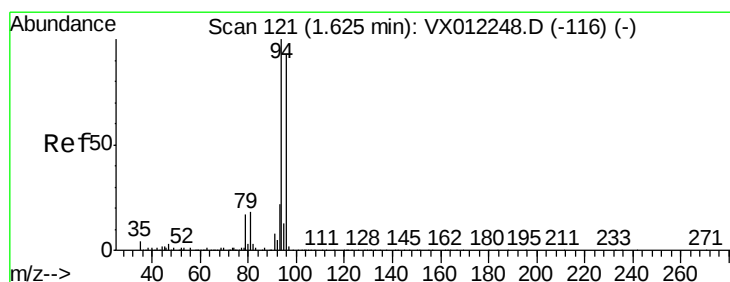
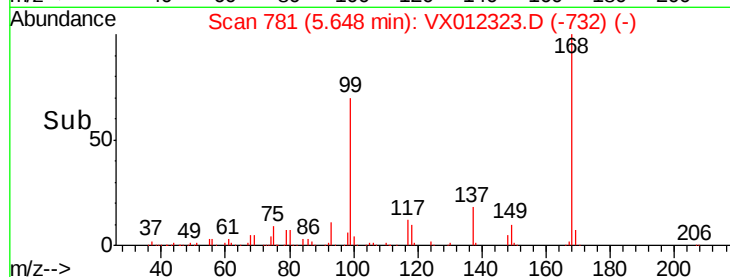
40000

20000

0

Time-->

5.50 5.60 5.70 5.80



#5

Bromomethane

Concen: Below Cal

RT: 1.65 min Scan# 125

Delta R.T. 0.02 min

Lab File: VX012323.D

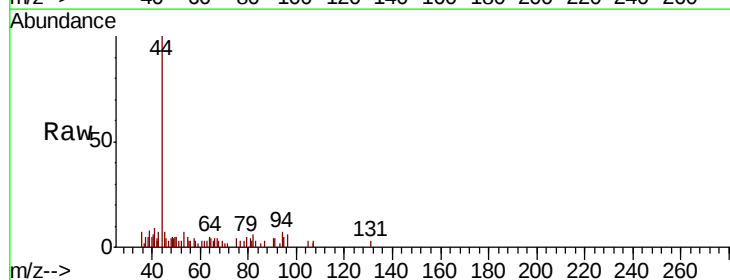
Acq: 12 Sep 2019 01:50

Tgt Ion: 94 Resp: 405

Ion Ratio Lower Upper

94 100

96 60.2 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

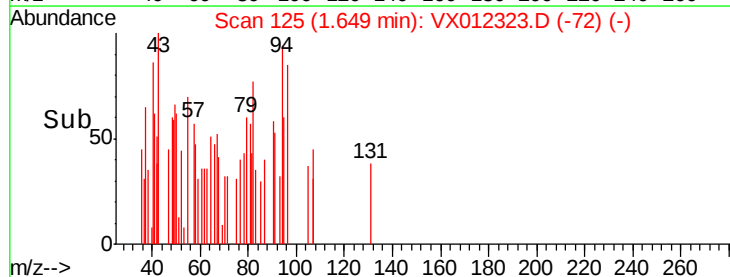
100

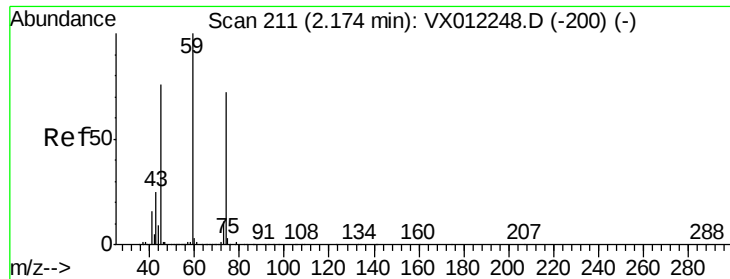
50

0

Time-->

1.60 1.65 1.70

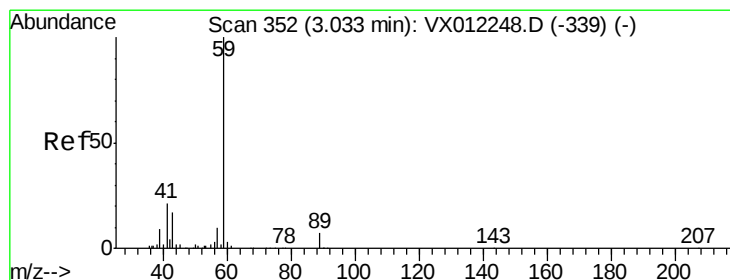
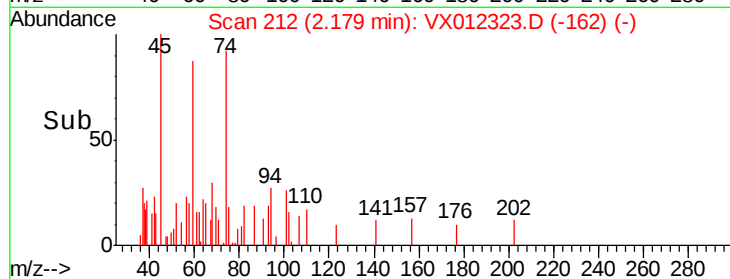
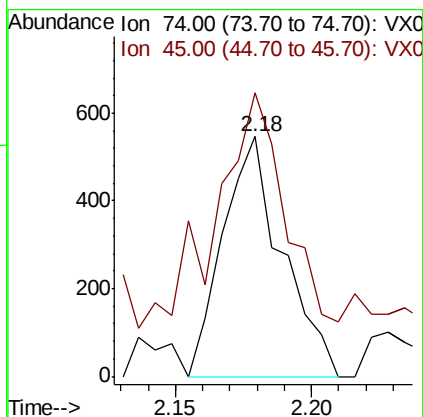
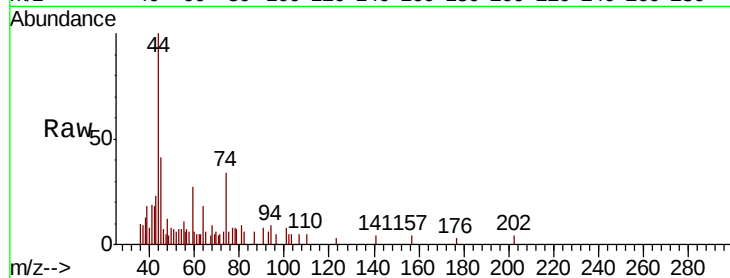




#8
Diethyl Ether
Concen: 1.152 ug/l
RT: 2.18 min Scan# 212
Delta R.T. 0.01 min
Lab File: VX012323.D
Acq: 12 Sep 2019 01:50

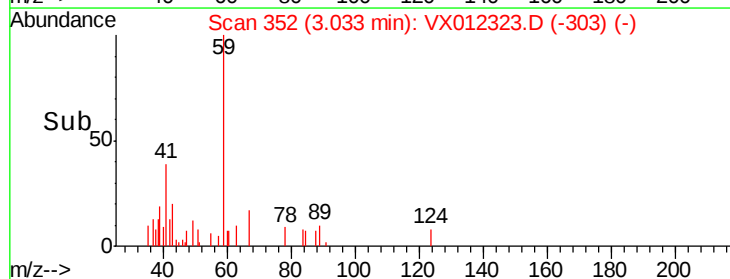
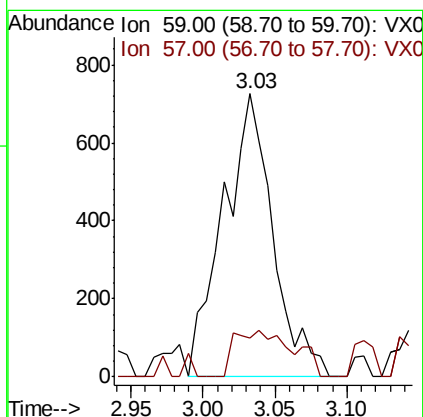
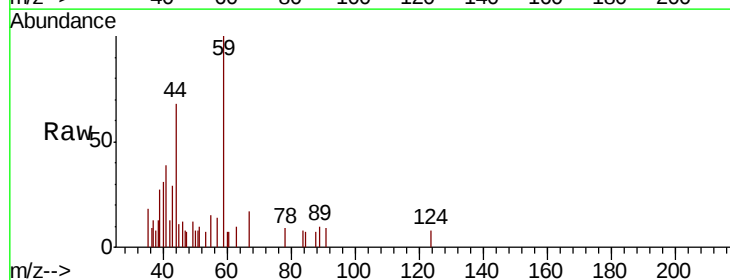
Instrument :
MSVOA_X
ClientSampleId :
T1-3-(0)

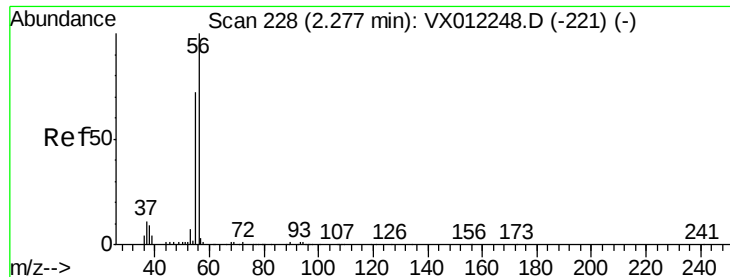
Tgt Ion: 74 Resp: 827
Ion Ratio Lower Upper
74 100
45 112.0 51.3 153.9



#11
Tert butyl alcohol
Concen: Below Cal
RT: 3.03 min Scan# 352
Delta R.T. -0.00 min
Lab File: VX012323.D
Acq: 12 Sep 2019 01:50

Tgt Ion: 59 Resp: 1740
Ion Ratio Lower Upper
59 100
57 6.7 7.8 11.6#





#13

Acrolein

Concen: 1.930 ug/l

RT: 2.25 min Scan# 224

Delta R.T. -0.02 min

Lab File: VX012323.D

Acq: 12 Sep 2019 01:50

Instrument :

MSVOA_X

ClientSampleId :

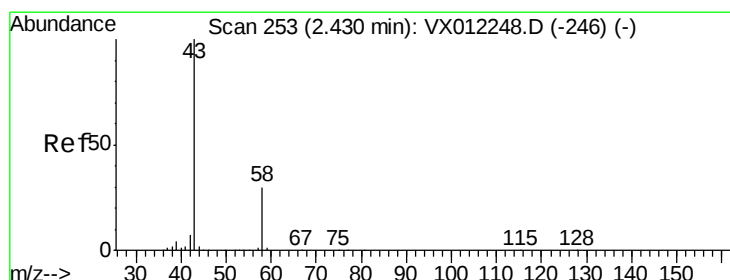
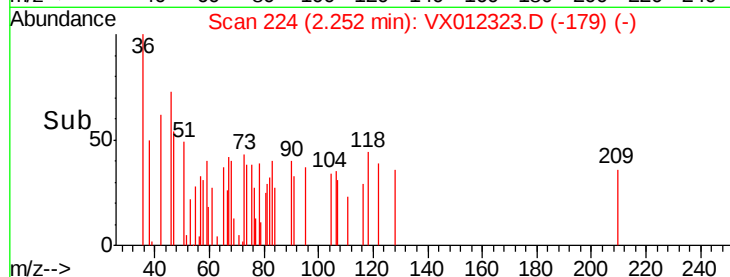
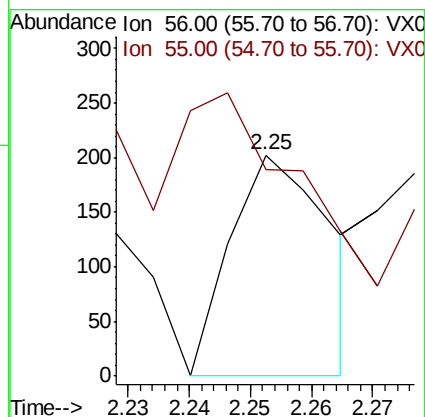
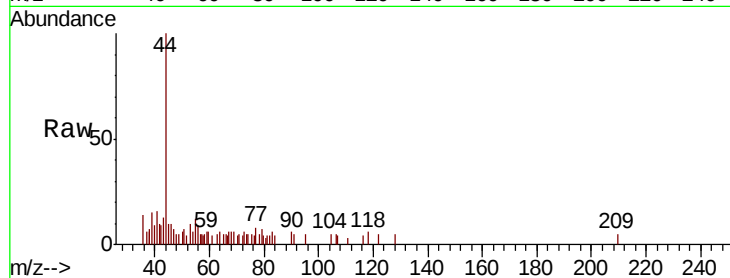
T1-3-(0)

Tgt Ion: 56 Resp: 227

Ion Ratio Lower Upper

56 100

55 146.3 59.8 89.6#



#16

Acetone

Concen: 4.020 ug/l

RT: 2.44 min Scan# 254

Delta R.T. 0.01 min

Lab File: VX012323.D

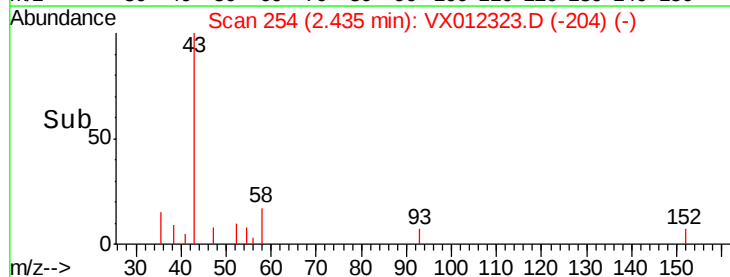
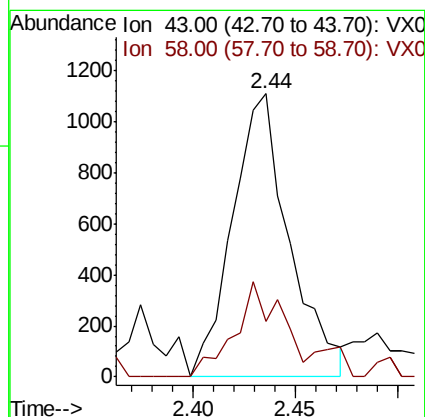
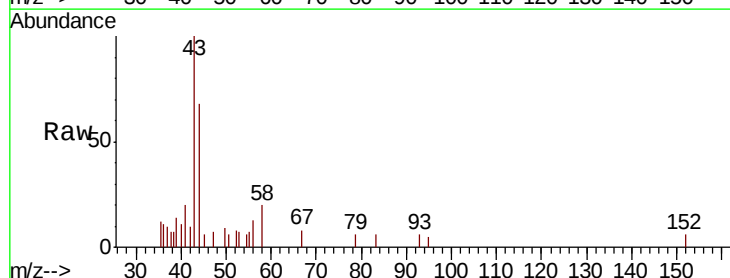
Acq: 12 Sep 2019 01:50

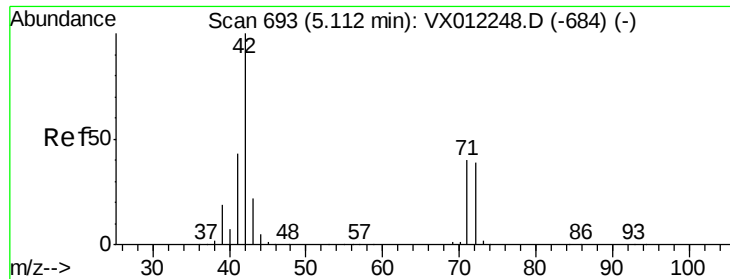
Tgt Ion: 43 Resp: 2141

Ion Ratio Lower Upper

43 100

58 19.6 23.6 35.4#





#29

Tetrahydrofuran

Concen: 6.310 ug/l

RT: 5.12 min Scan# 695

Delta R.T. 0.01 min

Lab File: VX012323.D

Acq: 12 Sep 2019 01:50

Instrument :

MSVOA_X

ClientSampleId :

T1-3-(0)

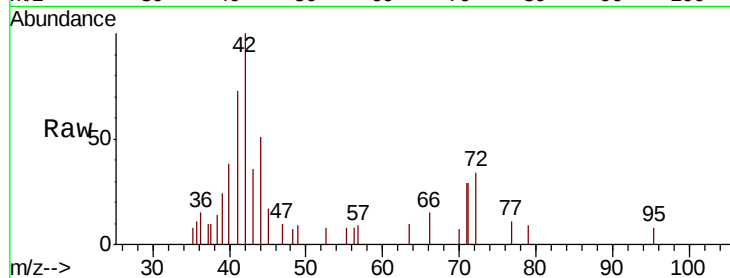
Tgt Ion: 42 Resp: 2318

Ion Ratio Lower Upper

42 100

72 48.7 35.2 52.8

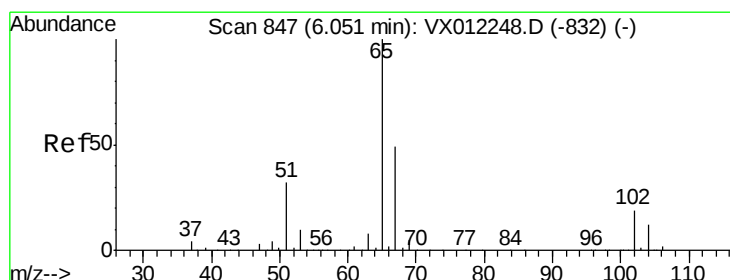
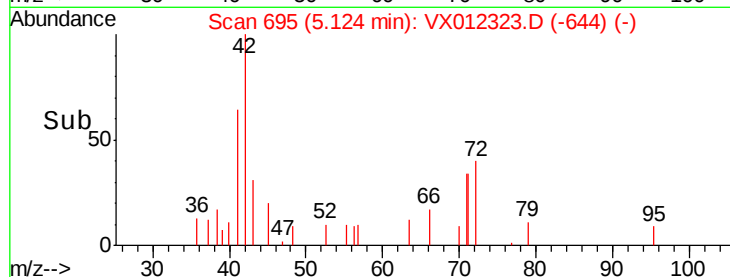
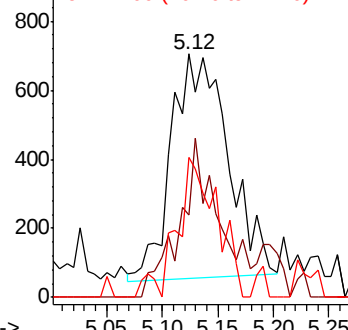
71 44.7 32.5 48.7



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: 47.266 ug/l

RT: 6.05 min Scan# 847

Delta R.T. -0.00 min

Lab File: VX012323.D

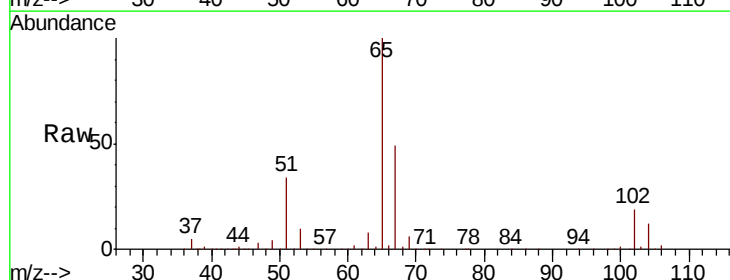
Acq: 12 Sep 2019 01:50

Tgt Ion: 65 Resp: 106347

Ion Ratio Lower Upper

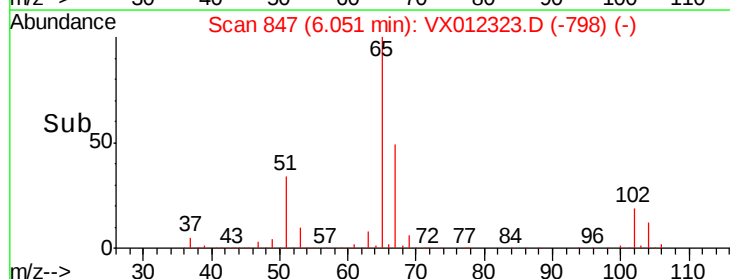
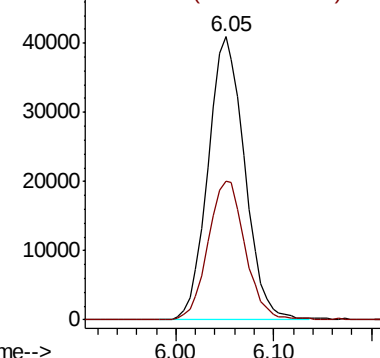
65 100

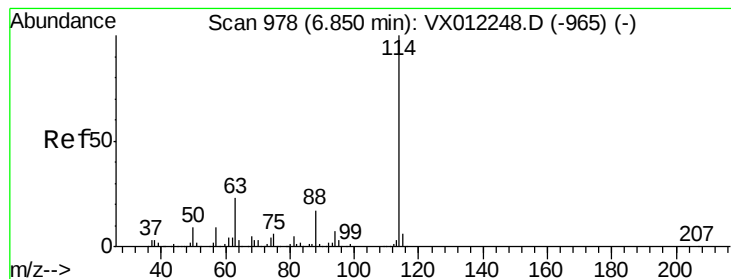
67 49.9 0.0 99.8



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: VX012323.D

Acq: 12 Sep 2019 01:50

Instrument :

MSVOA_X

ClientSampleId :

T1-3-(0)

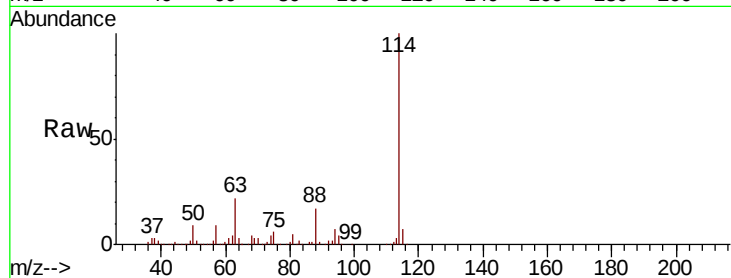
Tgt Ion:114 Resp: 275708

Ion Ratio Lower Upper

114 100

63 21.9 0.0 45.2

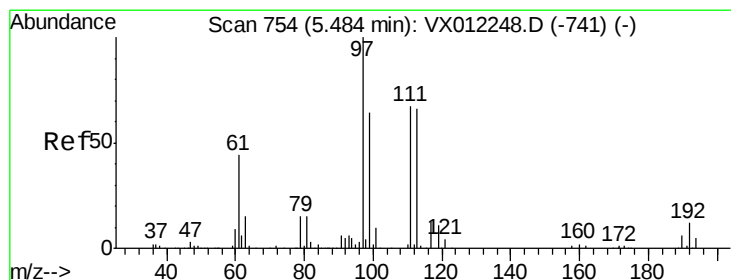
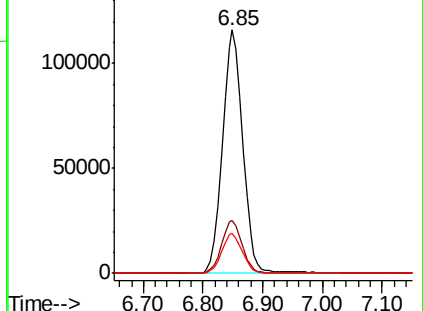
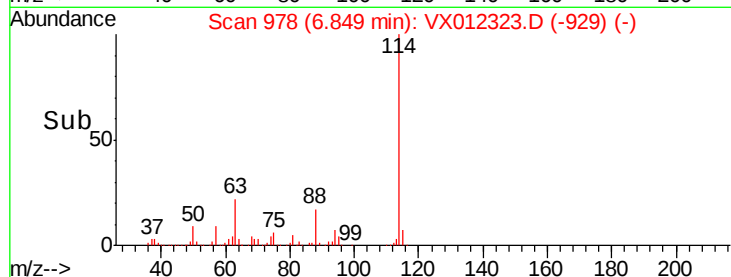
88 16.6 0.0 34.8



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: 46.410 ug/l

RT: 5.48 min Scan# 754

Delta R.T. -0.00 min

Lab File: VX012323.D

Acq: 12 Sep 2019 01:50

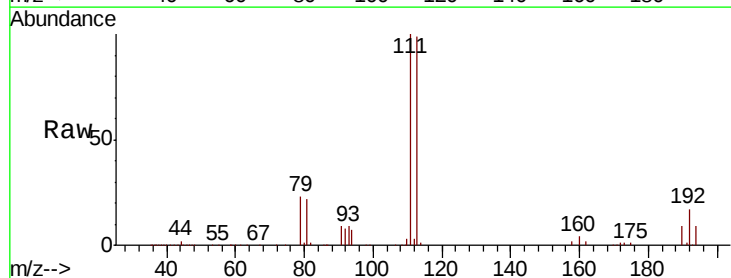
Tgt Ion:113 Resp: 82025

Ion Ratio Lower Upper

113 100

111 105.1 83.0 124.6

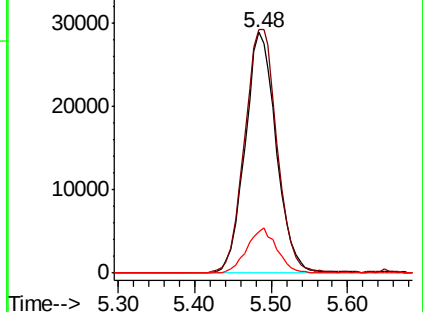
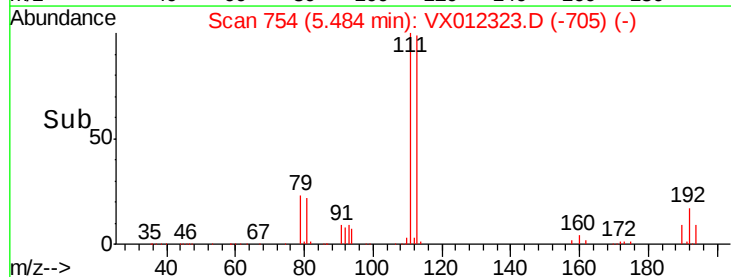
192 18.2 14.3 21.5

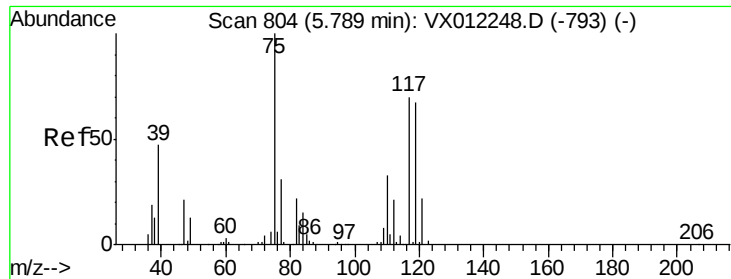


Abundance Ion 112.80 (112.50 to 113.50): V

Ion 110.80 (110.50 to 111.50): V

Ion 191.70 (191.40 to 192.40): V

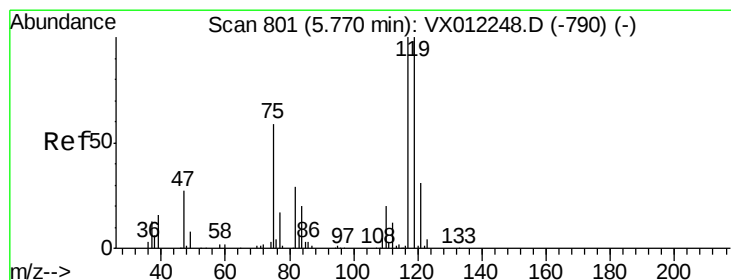
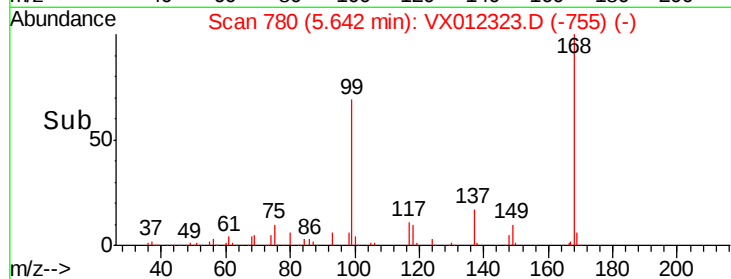
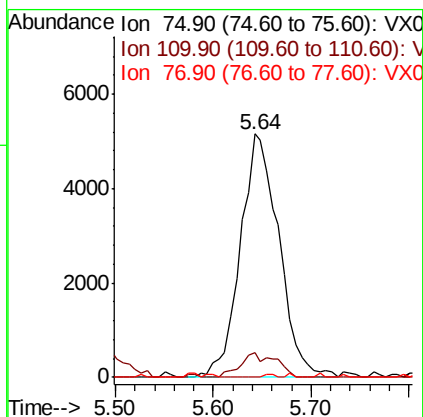
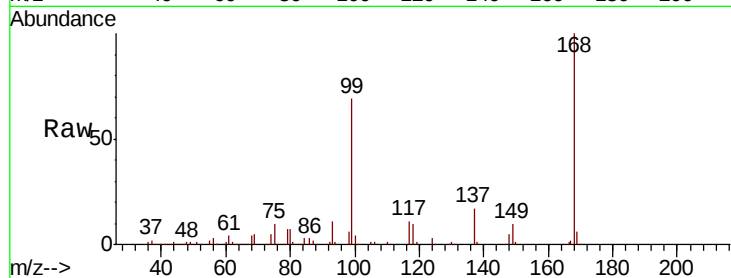




#36
 1,1-Dichloropropene
 Concen: 7.031 ug/l
 RT: 5.64 min Scan# 780
 Delta R.T. -0.15 min
 Lab File: VX012323.D
 Acq: 12 Sep 2019 01:50

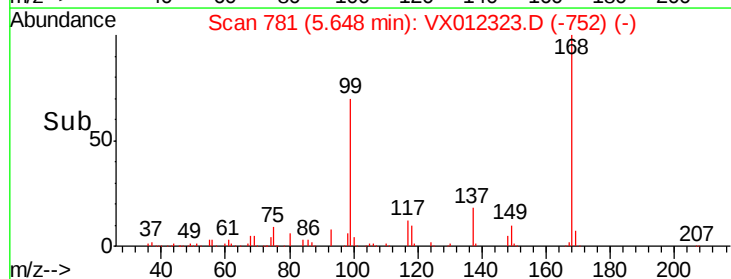
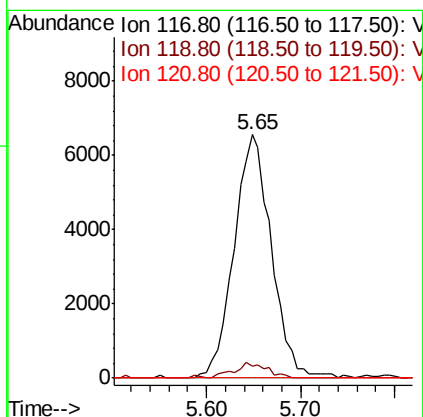
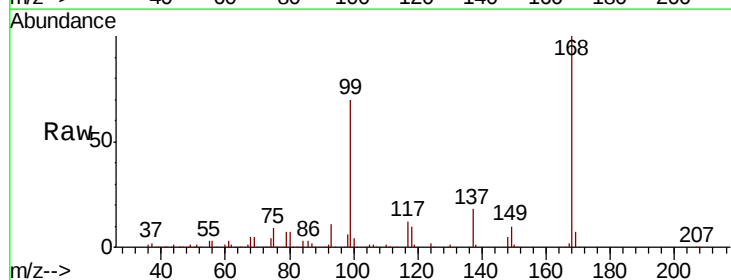
Instrument :
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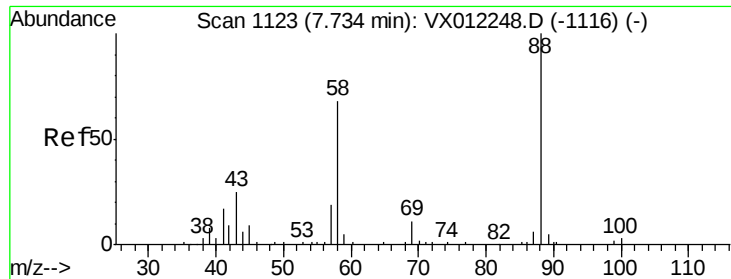
Tgt Ion	Ratio	Lower	Upper
75	100		
110	9.3	16.8	50.4#
77	0.3	24.5	36.7#



#38
 Carbon Tetrachloride
 Concen: 7.675 ug/l
 RT: 5.65 min Scan# 781
 Delta R.T. -0.12 min
 Lab File: VX012323.D
 Acq: 12 Sep 2019 01:50

Tgt Ion	Ratio	Lower	Upper
117	100		
119	5.0	79.6	119.4#
121	0.0	24.7	37.1#

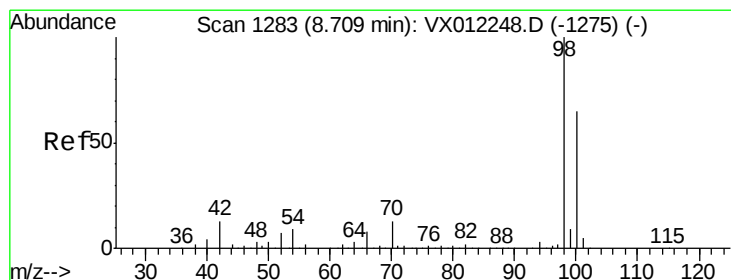
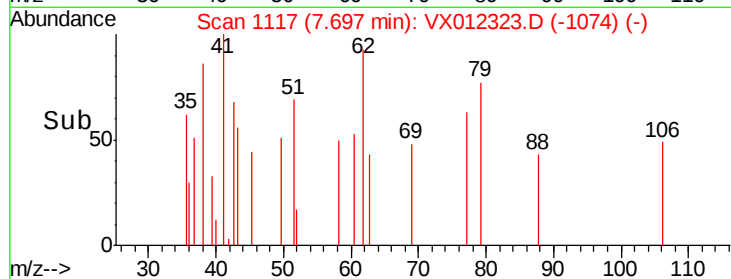
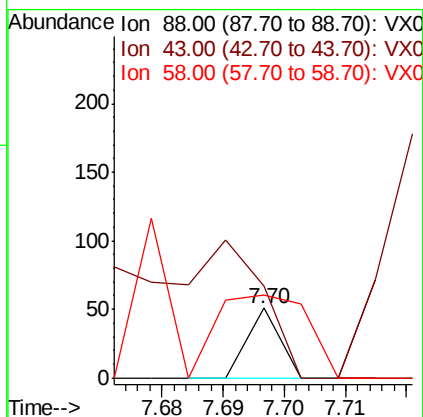
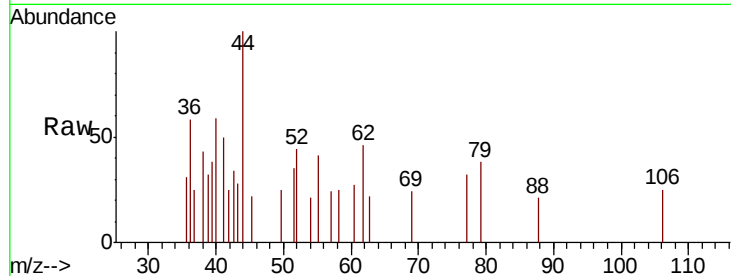




#49
1,4-Dioxane
Concen: 1.123 ug/l
RT: 7.70 min Scan# 1117
Delta R.T. -0.04 min
Lab File: VX012323.D
Acq: 12 Sep 2019 01:50

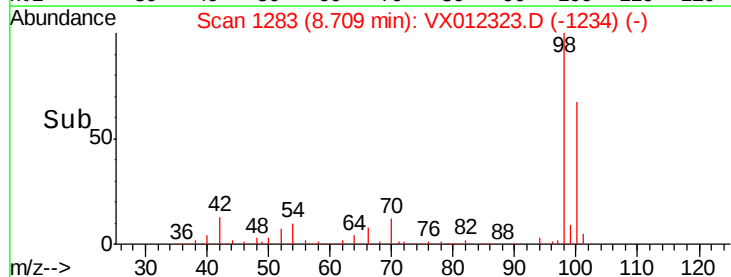
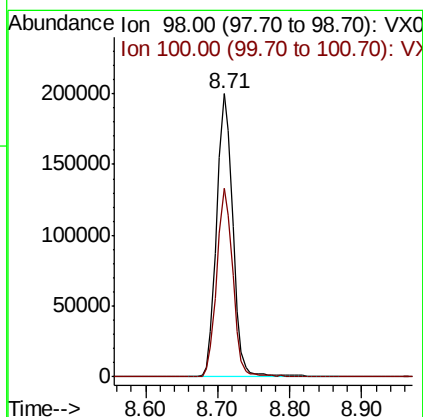
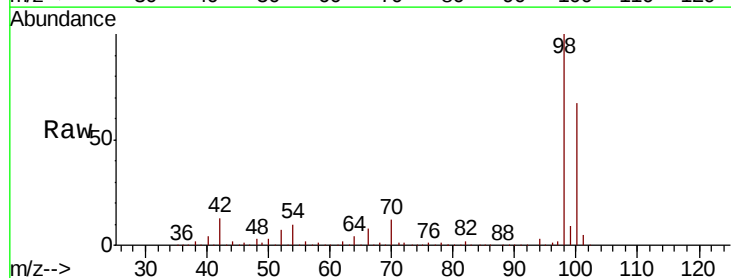
Instrument :
MSVOA_X
ClientSampled :
T1-3(0)

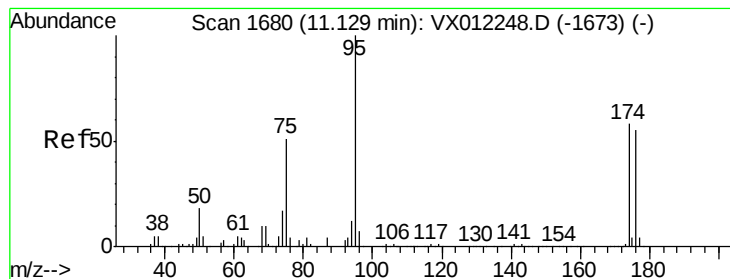
Tgt Ion: 88 Resp: 19
Ion Ratio Lower Upper
88 100
43 0.0 31.0 46.4#
58 221.1 61.5 92.3#



#50
Toluene-d8
Concen: 50.500 ug/l
RT: 8.71 min Scan# 1283
Delta R.T. -0.00 min
Lab File: VX012323.D
Acq: 12 Sep 2019 01:50

Tgt Ion: 98 Resp: 313049
Ion Ratio Lower Upper
98 100
100 65.6 54.1 81.1





#62

4-Bromofluorobenzene

Concen: 35.336 ug/l

RT: 11.14 min Scan# 1681

Delta R.T. 0.01 min

Lab File: VX012323.D

Acq: 12 Sep 2019 01:50

Instrument :

MSVOA_X

ClientSampled :

T1-3-(0)

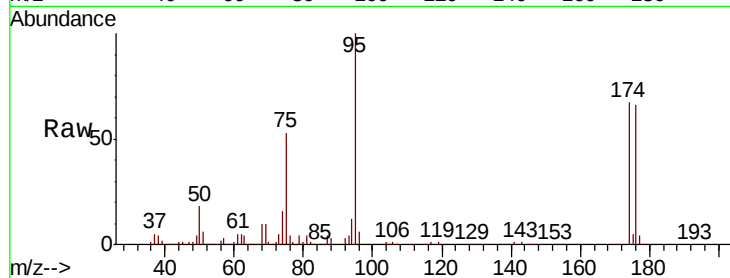
Tgt Ion: 95 Resp: 101549

Ion Ratio Lower Upper

95 100

174 67.0 0.0 127.0

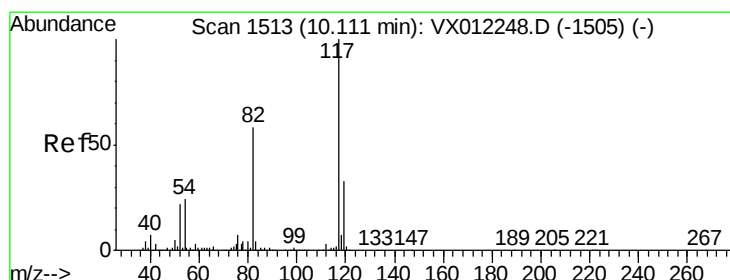
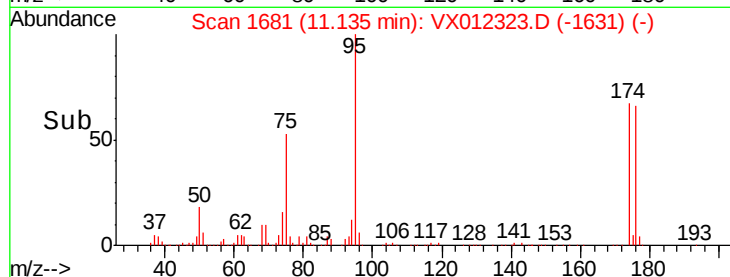
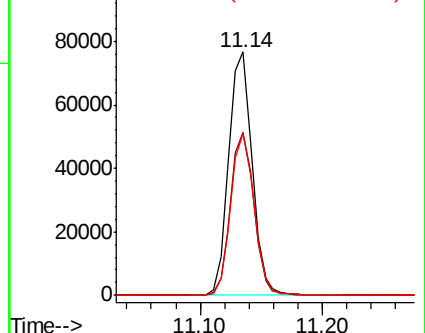
176 65.5 0.0 125.8



Abundance Ion 94.90 (94.60 to 95.60): VX012323.D (-1631) (-)

Ion 173.80 (173.50 to 174.50): VX012323.D (-1631) (-)

Ion 175.80 (175.50 to 176.50): VX012323.D (-1631) (-)



#63

Chlorobenzene-d5

Concen: 50.000 ug/l

RT: 10.11 min Scan# 1513

Delta R.T. -0.00 min

Lab File: VX012323.D

Acq: 12 Sep 2019 01:50

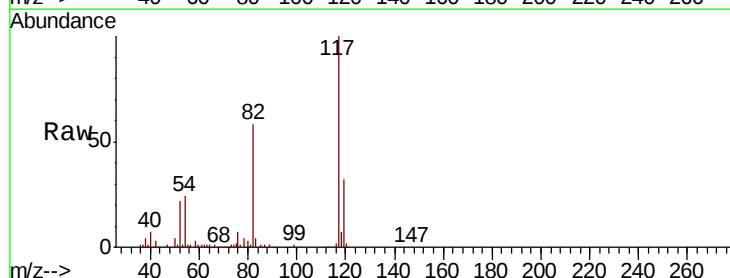
Tgt Ion: 117 Resp: 216895

Ion Ratio Lower Upper

117 100

82 57.6 46.4 69.6

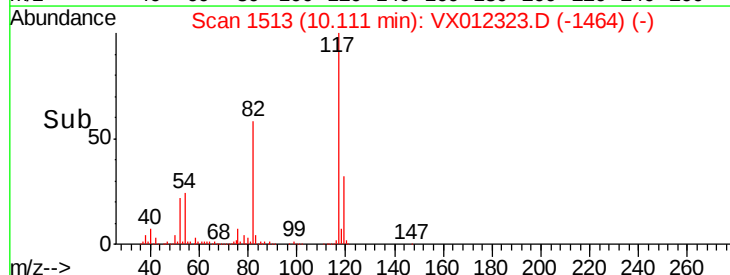
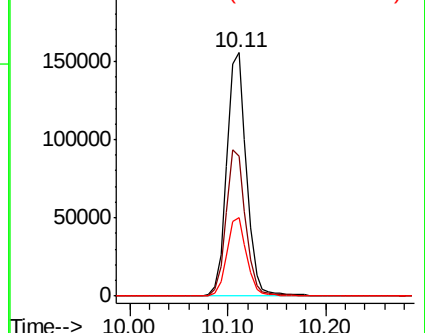
119 32.4 26.6 39.8

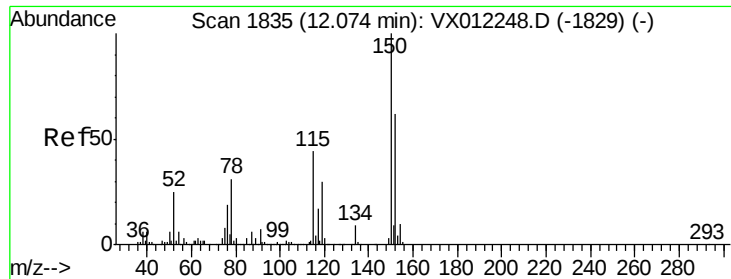


Abundance Ion 116.90 (116.60 to 117.60): VX012323.D (-1464) (-)

Ion 82.00 (81.70 to 82.70): VX012323.D (-1464) (-)

Ion 118.90 (118.60 to 119.60): VX012323.D (-1464) (-)





#72

1,4-Dichlorobenzene-d4

Concen: 50.000 ug/l

RT: 12.07 min Scan# 1835

Delta R.T. -0.00 min

Lab File: VX012323.D

Acq: 12 Sep 2019 01:50

Instrument :

MSVOA_X

ClientSampleId :

T1-3-(0)

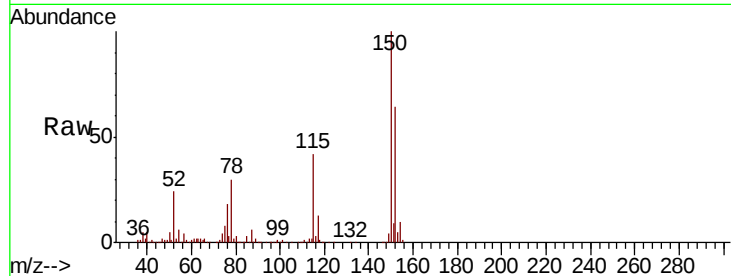
Tgt Ion:152 Resp: 72439

Ion Ratio Lower Upper

152 100

115 65.3 45.5 136.4

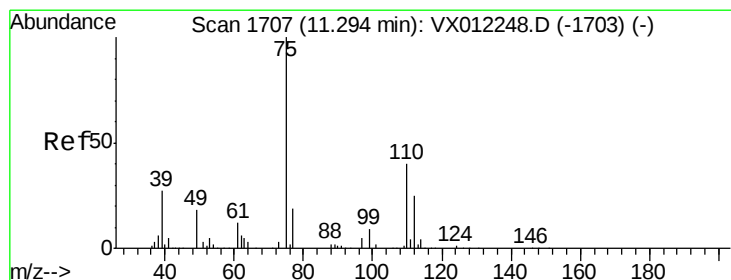
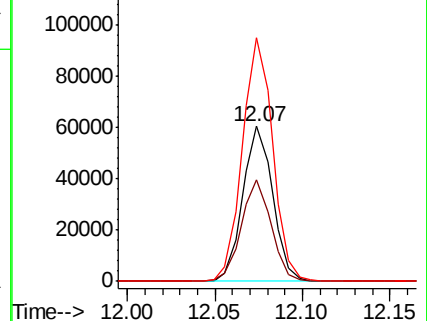
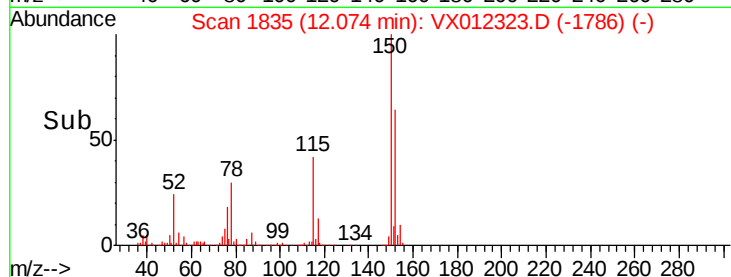
150 158.3 0.0 346.4



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: 58.179 ug/l

RT: 11.14 min Scan# 1681

Delta R.T. -0.16 min

Lab File: VX012323.D

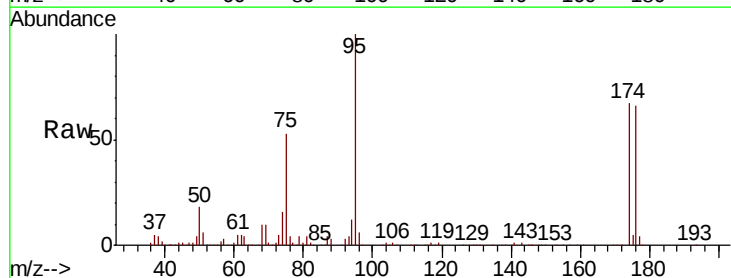
Acq: 12 Sep 2019 01:50

Tgt Ion: 75 Resp: 54141

Ion Ratio Lower Upper

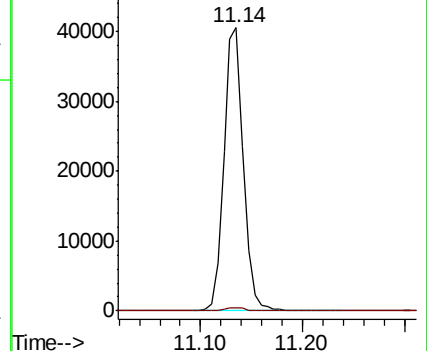
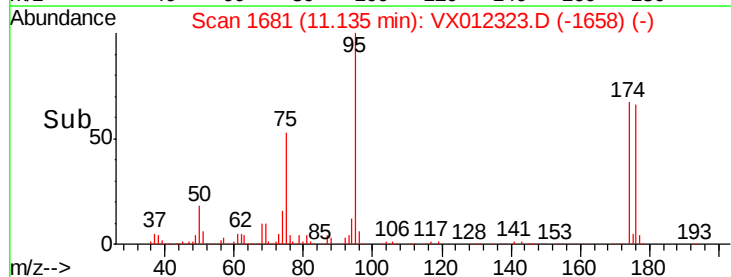
75 100

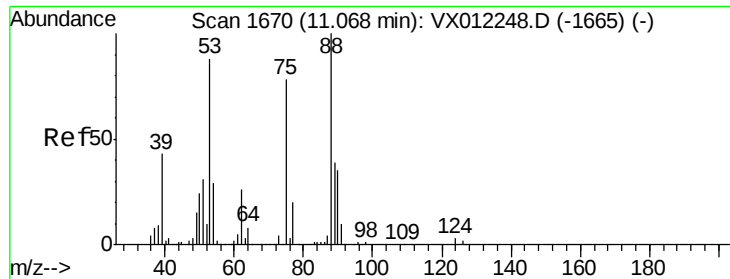
77 1.2 19.7 59.0#



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: 174.319 ug/l

RT: 11.14 min Scan# 1681

Delta R.T. 0.07 min

Lab File: VX012323.D

Acq: 12 Sep 2019 01:50

Instrument :

MSVOA_X

ClientSampleId :

T1-3-(0)

Tgt Ion: 75 Resp: 54141

Ion Ratio Lower Upper

75 100

53 0.2 88.1 132.1#

89 0.0 43.5 65.3#

