

Data Path : Z:\VOASRV\HPCHEM1\MSVOA_X\DATA\VX091319\
 Data File : VX012382.D
 Acq On : 13 Sep 2019 13:06
 Operator : SY/SP
 Sample : K4695-02
 Misc : 5.89g/5.0mL/MSVOA_X/SOIL
 ALS Vial : 9 Sample Multiplier: 1

Instrument :
 MSVOA_X
 ClientSampleId :
 T3-2-(0)

Quant Time: Sep 14 00:03:08 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	167740	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	6.85	114	284057	50.00	ug/l	0.00
63) Chlorobenzene-d5	10.11	117	234004	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	12.07	152	79609	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	111149	46.87	ug/l	0.00
Spiked Amount			Recovery	=	93.74%	
35) Dibromofluoromethane	5.48	113	85738	47.08	ug/l	0.00
Spiked Amount			Recovery	=	94.16%	
50) Toluene-d8	8.71	98	331189	51.86	ug/l	0.00
Spiked Amount			Recovery	=	103.72%	
62) 4-Bromofluorobenzene	11.14	95	108994	36.81	ug/l	0.00
Spiked Amount			Recovery	=	73.62%	

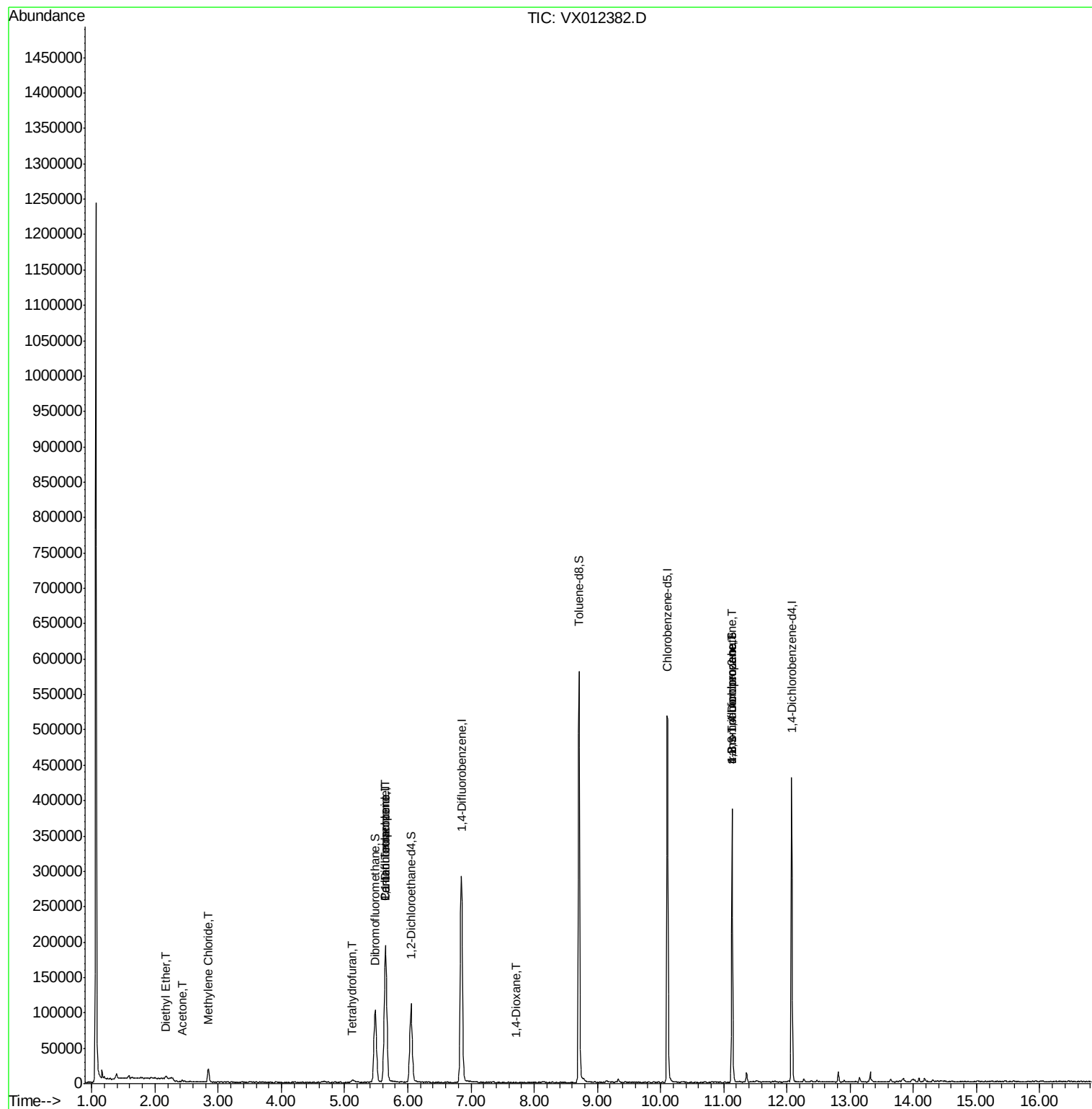
Target Compounds	R.T.	QIon	Response	Conc	Units	Qvalue
5) Bromomethane	1.64	94	352	Below Cal	#	38
8) Diethyl Ether	2.17	74	997	1.317	ug/l	74
11) Tert butyl alcohol	3.03	59	618	Below Cal	#	61
16) Acetone	2.43	43	2395	4.266	ug/l #	73
20) Methylene Chloride	2.84	84	8669	2.443	ug/l	97
29) Tetrahydrofuran	5.12	42	3237	8.360	ug/l	96
36) 1,1-Dichloropropene	5.65	75	14900	7.194	ug/l #	54
38) Carbon Tetrachloride	5.65	117	19201	7.901	ug/l #	14
49) 1,4-Dioxane	7.71	88	23	1.319	ug/l #	1
76) 1,2,3-Trichloropropane	11.13	75	57987	56.700	ug/l #	38
81) trans-1,4-Dichloro-2-buten	11.13	75	57987	169.887	ug/l #	5

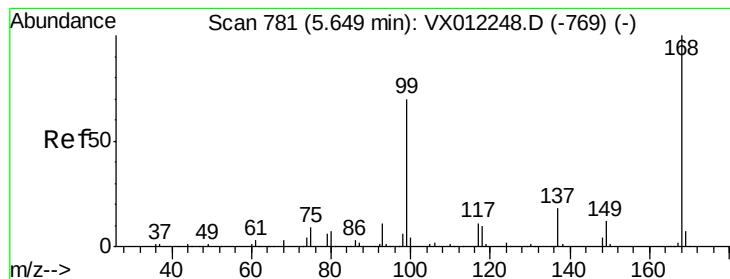
(#) = qualifier out of range (m) = manual integration (+) = signals summed

Data Path : Z:\V0ASRV\HPCHEM1\MSVOA_X\DATA\VX091319\
Data File : VX012382.D
Acq On : 13 Sep 2019 13:06
Operator : SY/SP
Sample : K4695-02
Misc : 5.89g/5.0mL/MSVOA_X/SOIL
ALS Vial : 9 Sample Multiplier: 1

Instrument :
MSVOA_X
ClientSampleId :
T3-2-(0)

Quant Time: Sep 14 00:03:08 2019
Quant Method : Z:\V0ASRV\HPCHEM1\MSVOA_X\METHOD\82X091019S.M
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: VX012382.D

Acq: 13 Sep 2019 13:06

Instrument :

MSVOA_X

ClientSampleId :

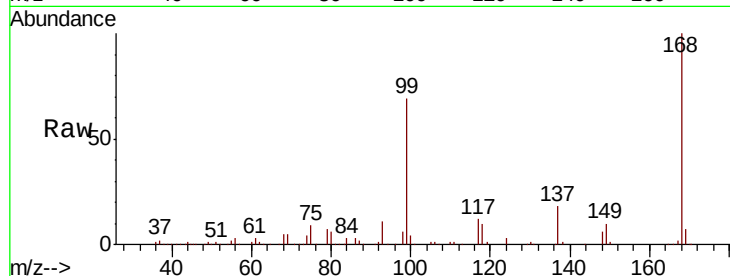
T3-2-(0)

Tgt Ion:168 Resp: 167740

Ion Ratio Lower Upper

168 100

99 68.4 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

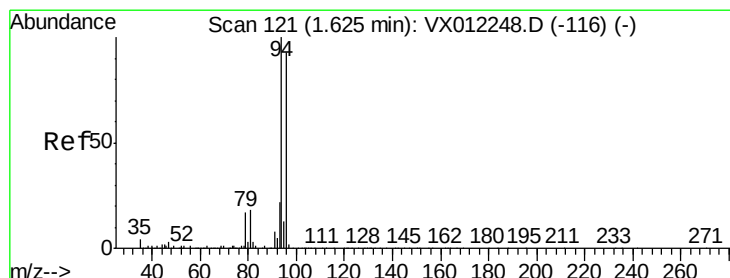
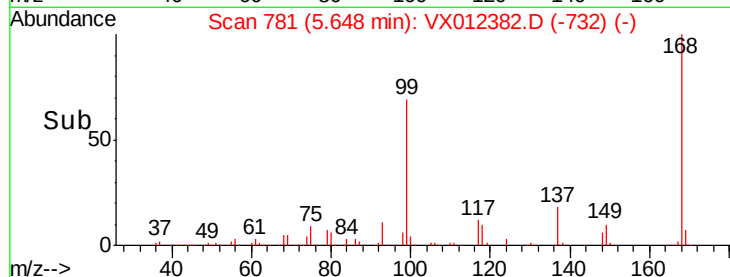
60000

40000

20000

0

Time--> 5.50 5.60 5.70 5.80



#5

Bromomethane

Concen: Below Cal

RT: 1.64 min Scan# 124

Delta R.T. 0.02 min

Lab File: VX012382.D

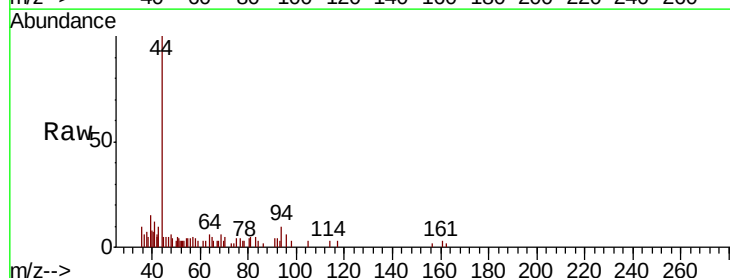
Acq: 13 Sep 2019 13:06

Tgt Ion: 94 Resp: 352

Ion Ratio Lower Upper

94 100

96 32.9 74.0 111.0#



Abundance Ion 93.90 (93.60 to 94.60): VX0

Ion 95.90 (95.60 to 96.60): VX0

250

200

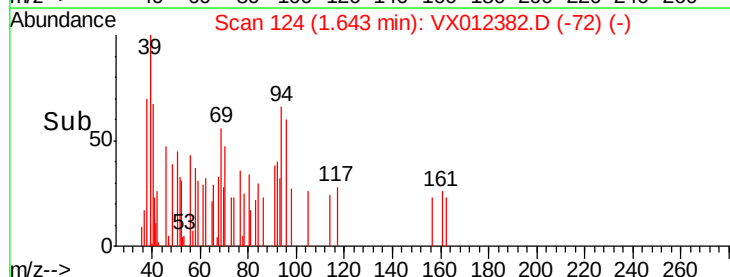
150

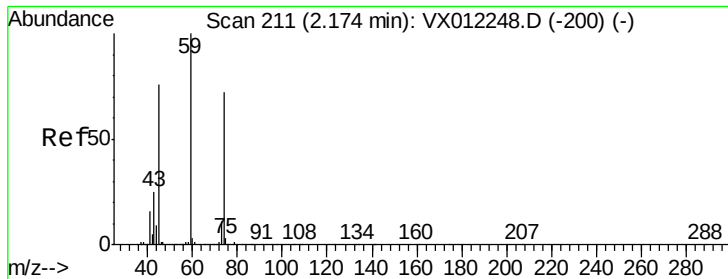
100

50

0

Time--> 1.60 1.65





#8

Diethyl Ether

Concen: 1.317 ug/l

RT: 2.17 min Scan# 211

Delta R.T. -0.00 min

Lab File: VX012382.D

Acq: 13 Sep 2019 13:06

Instrument :

MSVOA_X

ClientSampled :

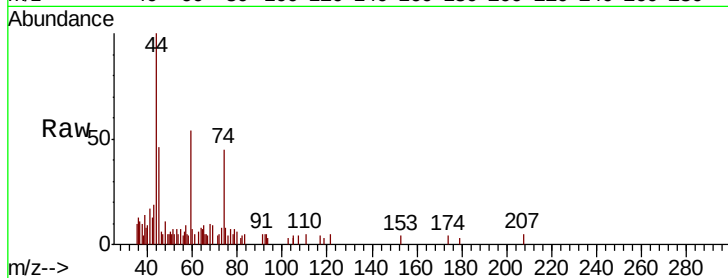
T3-2-(0)

Tgt Ion: 74 Resp: 997

Ion Ratio Lower Upper

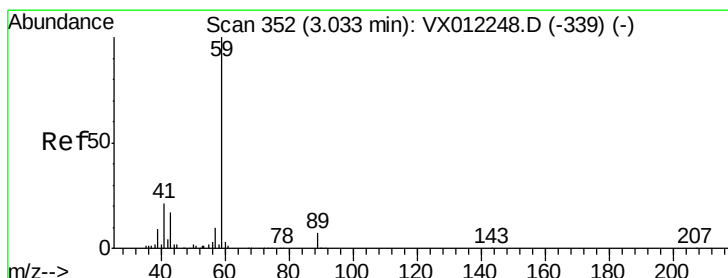
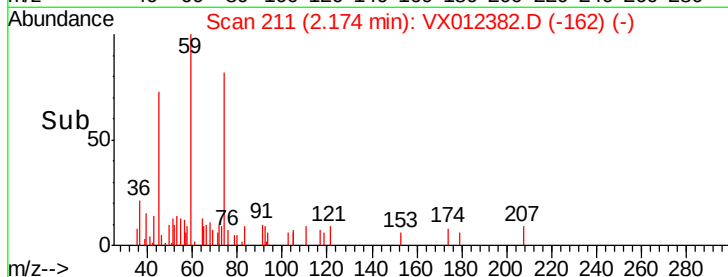
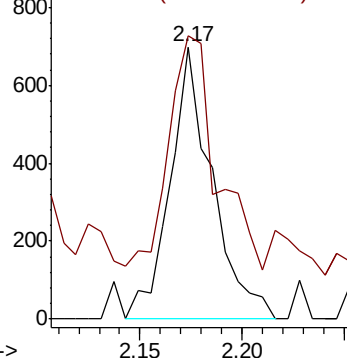
74 100

45 129.2 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: Below Cal

RT: 3.03 min Scan# 351

Delta R.T. -0.01 min

Lab File: VX012382.D

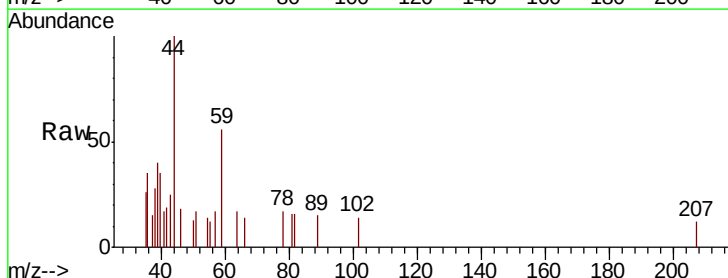
Acq: 13 Sep 2019 13:06

Tgt Ion: 59 Resp: 618

Ion Ratio Lower Upper

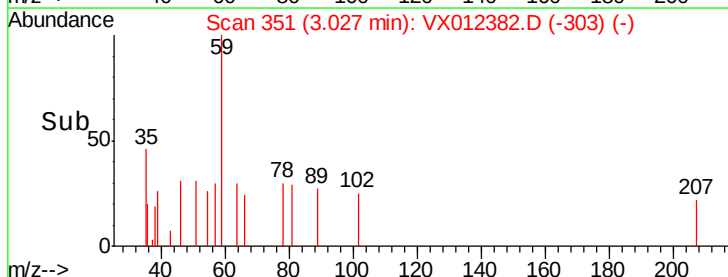
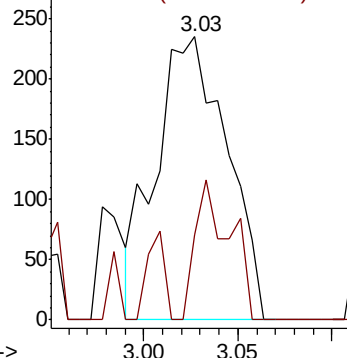
59 100

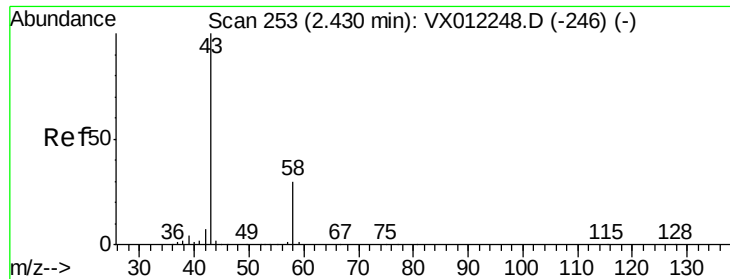
57 23.9 7.8 11.6#



Abundance Ion 59.00 (58.70 to 59.70): VX0

Ion 57.00 (56.70 to 57.70): VX0





#16

Acetone

Concen: 4.266 ug/l

RT: 2.43 min Scan# 253

Delta R.T. -0.00 min

Lab File: VX012382.D

Acq: 13 Sep 2019 13:06

Instrument :

MSVOA_X

ClientSampleId :

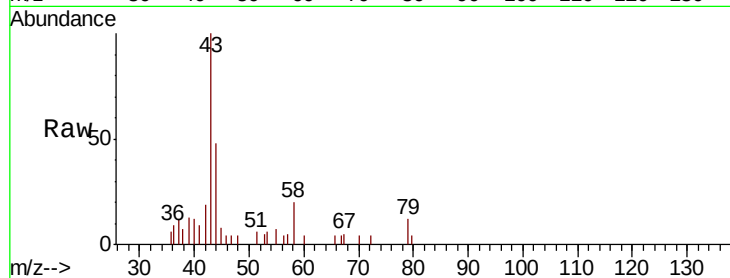
T3-2-(0)

Tgt Ion: 43 Resp: 2395

Ion Ratio Lower Upper

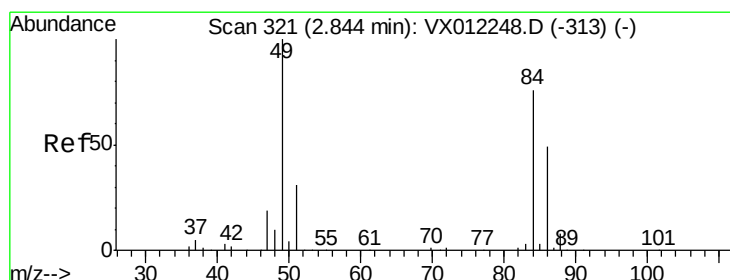
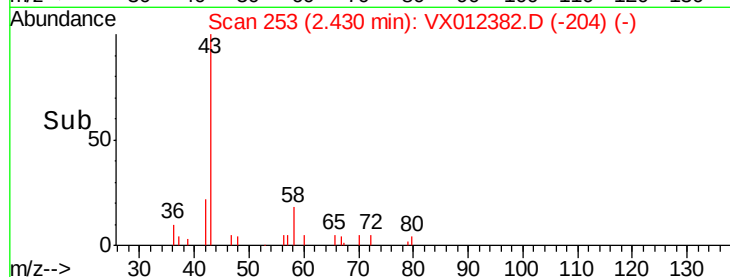
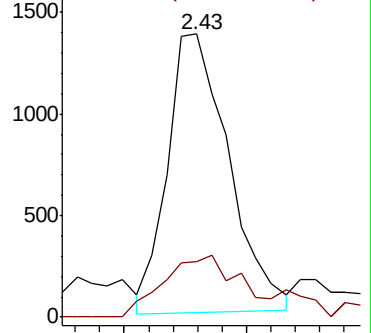
43 100

58 15.2 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: 2.443 ug/l

RT: 2.84 min Scan# 321

Delta R.T. 0.00 min

Lab File: VX012382.D

Acq: 13 Sep 2019 13:06

Tgt Ion: 84 Resp: 8669

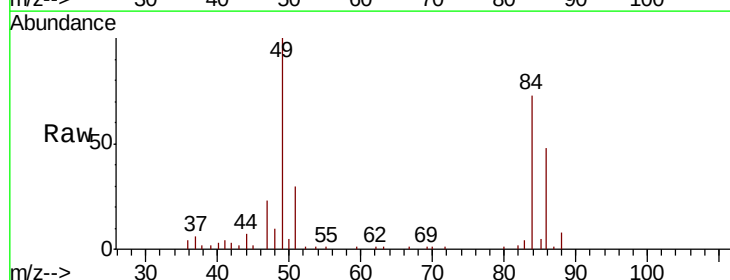
Ion Ratio Lower Upper

84 100

49 136.8 105.0 157.6

51 40.3 32.6 48.8

86 65.5 51.8 77.6

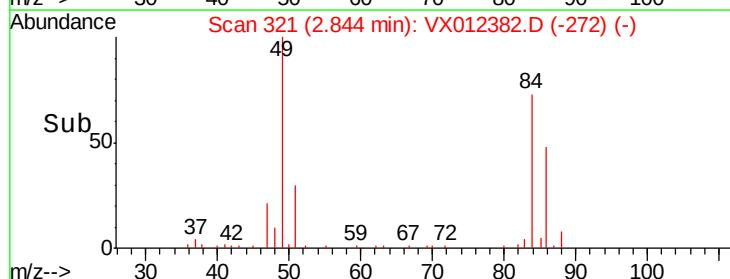
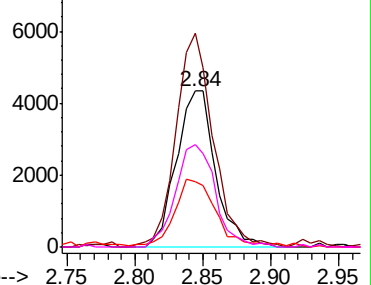


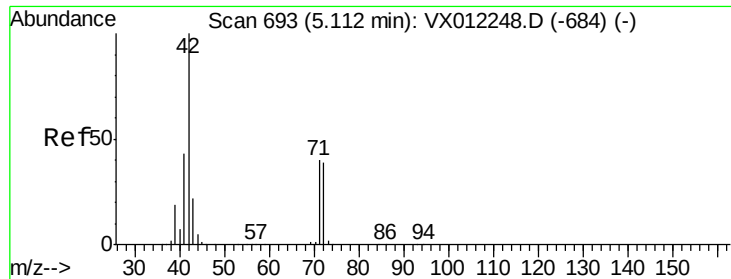
Abundance Ion 83.90 (83.60 to 84.60): VX0

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

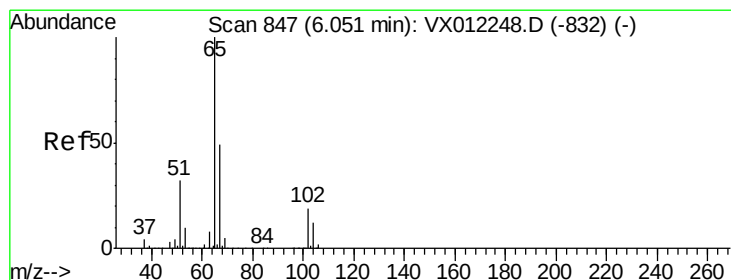
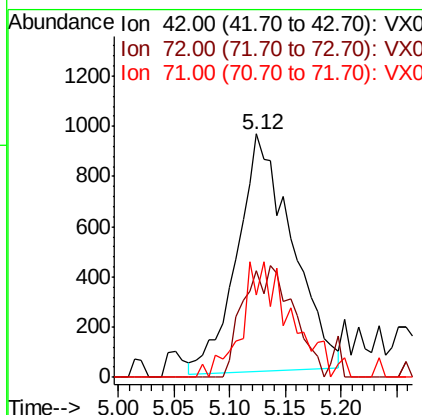
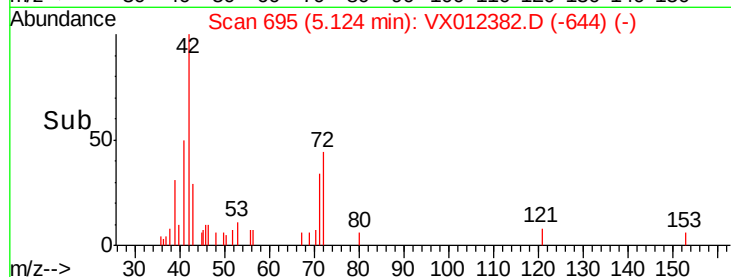
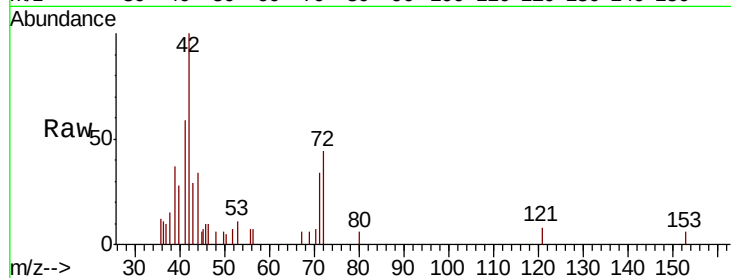




#29
Tetrahydrofuran
Concen: 8.360 ug/l
RT: 5.12 min Scan# 695
Delta R.T. 0.01 min
Lab File: VX012382.D
Acq: 13 Sep 2019 13:06

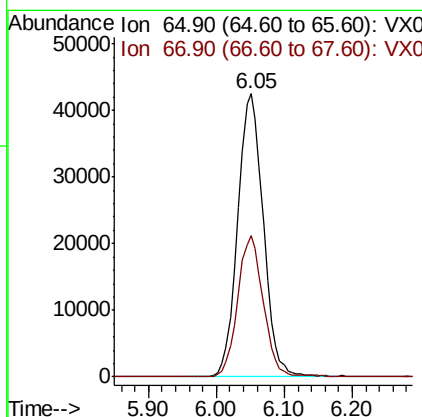
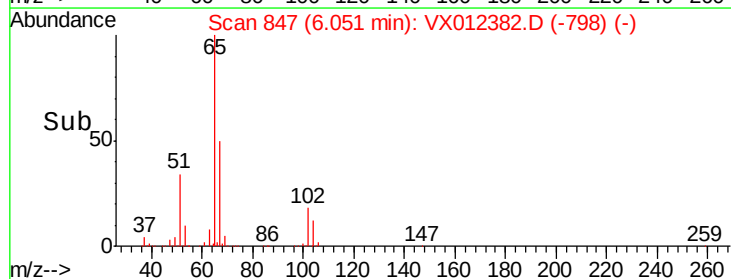
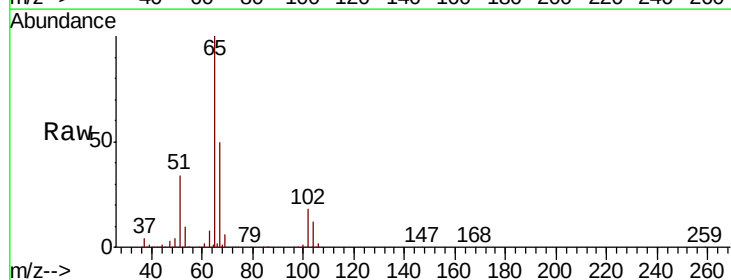
Instrument :
MSVOA_X
ClientSampleId :
T3-2-(0)

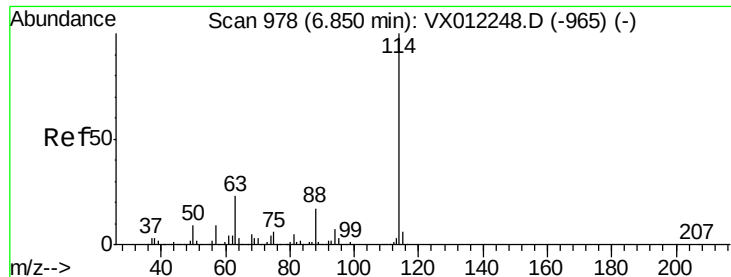
Tgt Ion: 42 Resp: 3237
Ion Ratio Lower Upper
42 100
72 42.7 35.2 52.8
71 44.5 32.5 48.7



#33
1,2-Dichloroethane-d4
Concen: 46.868 ug/l
RT: 6.05 min Scan# 847
Delta R.T. -0.00 min
Lab File: VX012382.D
Acq: 13 Sep 2019 13:06

Tgt Ion: 65 Resp: 111149
Ion Ratio Lower Upper
65 100
67 49.8 0.0 99.8





#34

1,4-Difluorobenzene

Concen: 50.000 ug/l

RT: 6.85 min Scan# 978

Delta R.T. -0.00 min

Lab File: VX012382.D

Acq: 13 Sep 2019 13:06

Instrument :

MSVOA_X

ClientSampleId :

T3-2-(0)

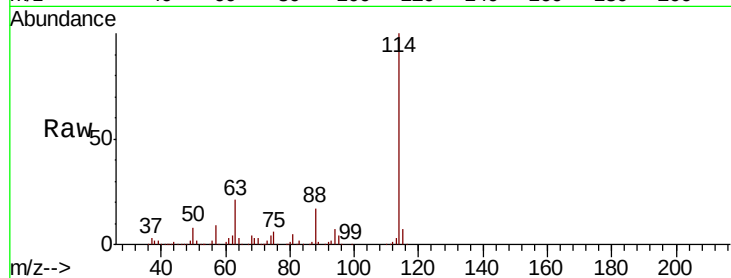
Tgt Ion:114 Resp: 284057

Ion Ratio Lower Upper

114 100

63 21.2 0.0 45.2

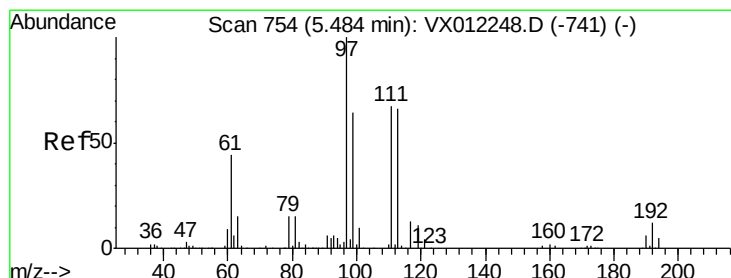
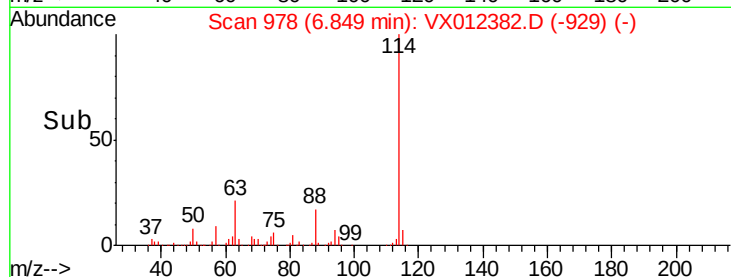
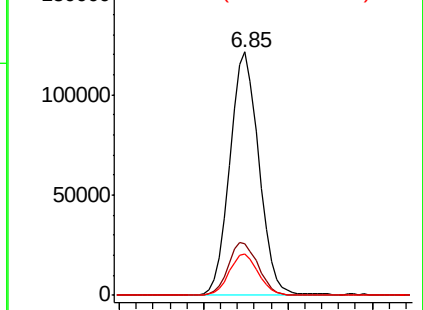
88 17.0 0.0 34.8



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: 47.085 ug/l

RT: 5.48 min Scan# 754

Delta R.T. -0.00 min

Lab File: VX012382.D

Acq: 13 Sep 2019 13:06

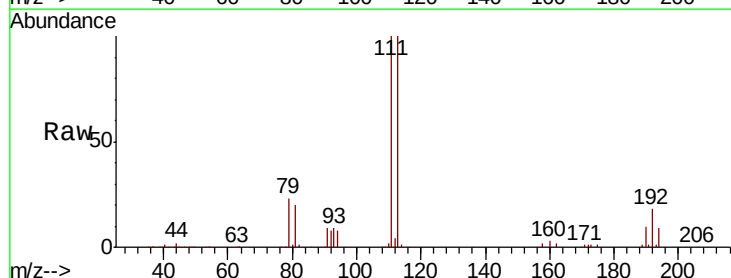
Tgt Ion:113 Resp: 85738

Ion Ratio Lower Upper

113 100

111 100.7 83.0 124.6

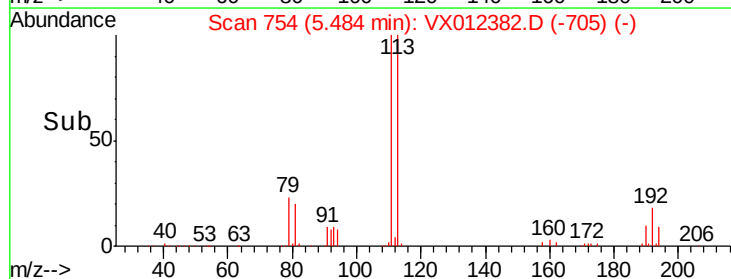
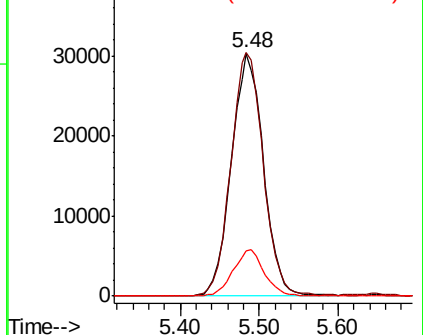
192 18.4 14.3 21.5

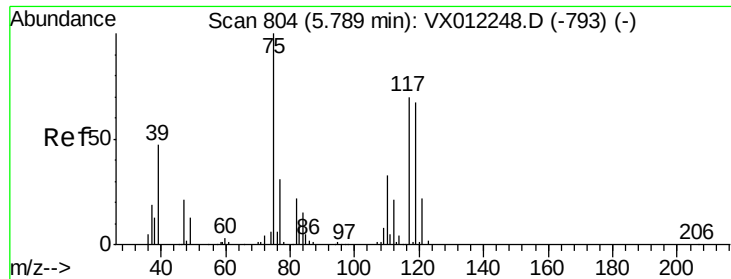


Abundance Ion 112.80 (112.50 to 113.50): V

Ion 110.80 (110.50 to 111.50): V

Ion 191.70 (191.40 to 192.40): V

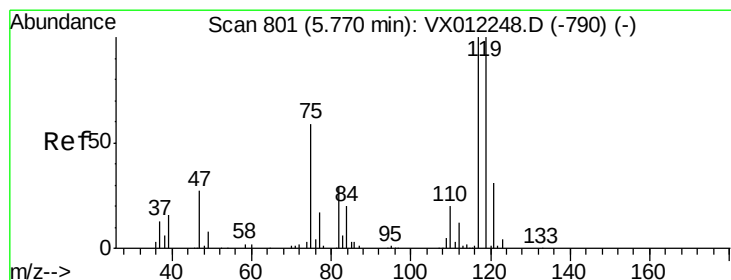
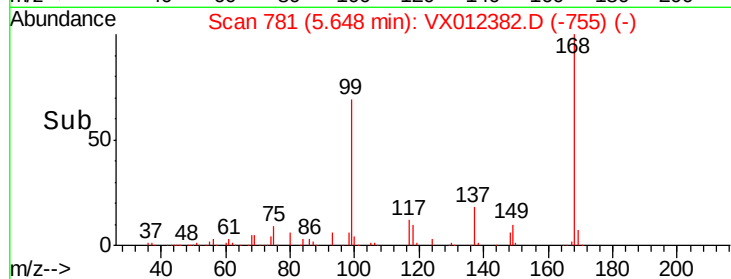
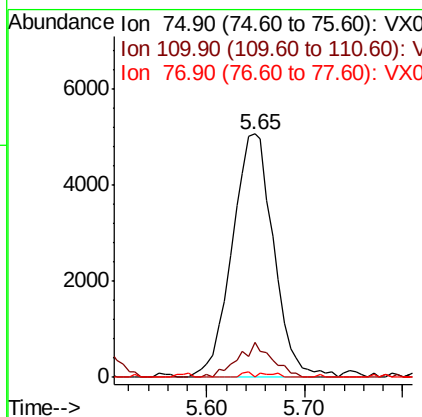
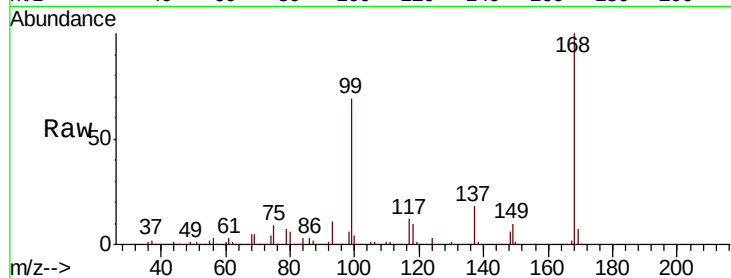




#36
 1,1-Dichloropropene
 Concen: 7.194 ug/l
 RT: 5.65 min Scan# 781
 Delta R.T. -0.14 min
 Lab File: VX012382.D
 Acq: 13 Sep 2019 13:06

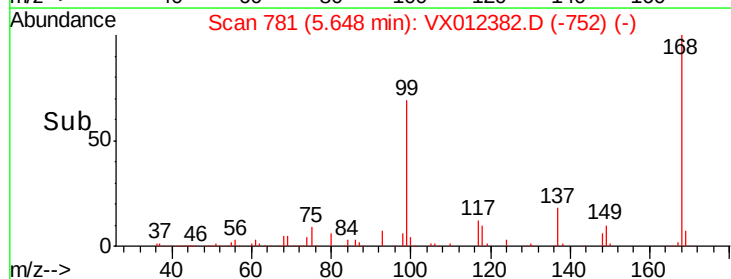
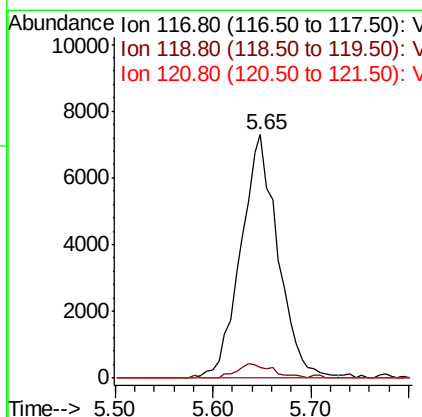
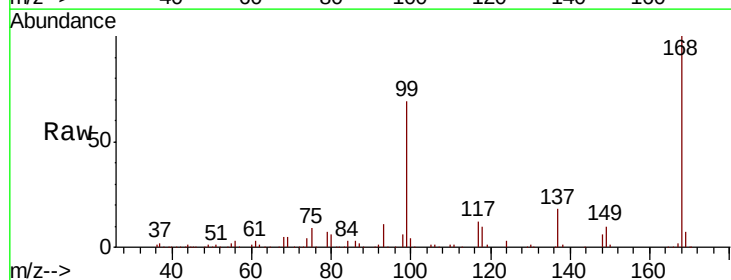
Instrument :
 MSVOA_X
 ClientSampleId :
 T3-2-(0)

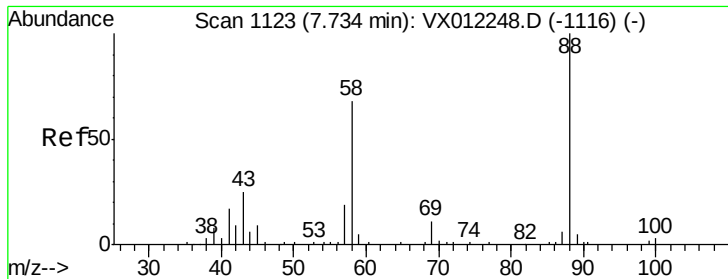
Tgt Ion: 75 Resp: 14900
 Ion Ratio Lower Upper
 75 100
 110 11.8 16.8 50.4#
 77 0.5 24.5 36.7#



#38
 Carbon Tetrachloride
 Concen: 7.901 ug/l
 RT: 5.65 min Scan# 781
 Delta R.T. -0.12 min
 Lab File: VX012382.D
 Acq: 13 Sep 2019 13:06

Tgt Ion: 117 Resp: 19201
 Ion Ratio Lower Upper
 117 100
 119 4.6 79.6 119.4#
 121 0.0 24.7 37.1#

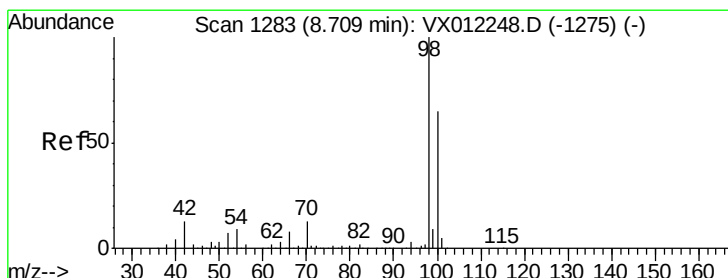
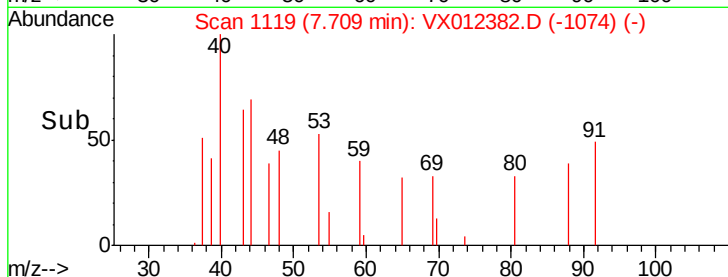
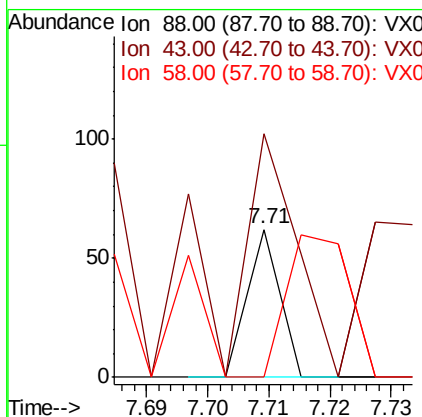
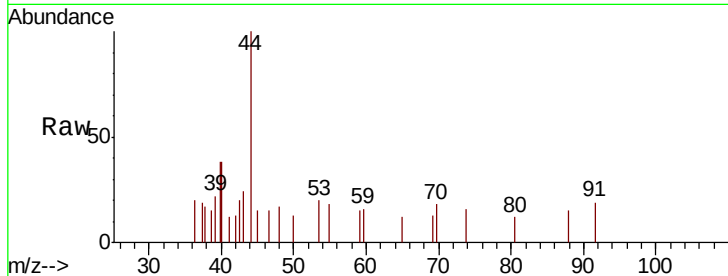




#49
 1,4-Dioxane
 Concen: 1.319 ug/l
 RT: 7.71 min Scan# 1119
 Delta R.T. -0.02 min
 Lab File: VX012382.D
 Acq: 13 Sep 2019 13:06

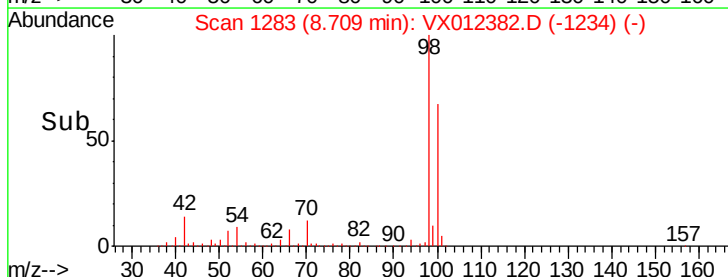
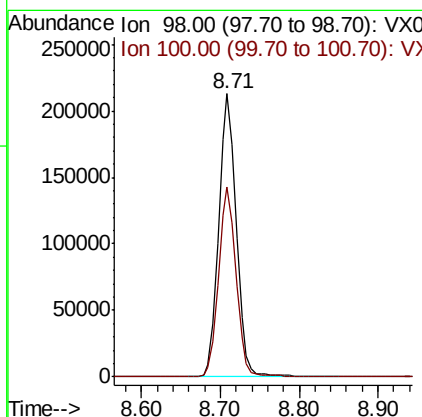
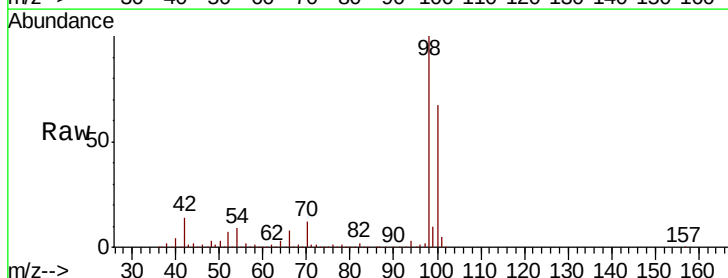
Instrument :
 MSVOA_X
 ClientSampled :
 T3-2-(0)

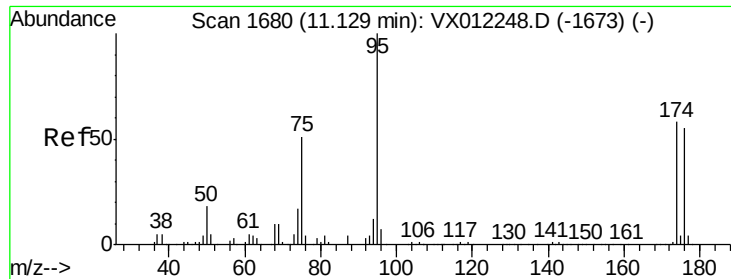
Tgt Ion: 88 Resp: 23
 Ion Ratio Lower Upper
 88 100
 43 365.2 31.0 46.4#
 58 182.6 61.5 92.3#



#50
 Toluene-d8
 Concen: 51.856 ug/l
 RT: 8.71 min Scan# 1283
 Delta R.T. -0.00 min
 Lab File: VX012382.D
 Acq: 13 Sep 2019 13:06

Tgt Ion: 98 Resp: 331189
 Ion Ratio Lower Upper
 98 100
 100 66.9 54.1 81.1





#62

4-Bromofluorobenzene

Concen: 36.812 ug/l

RT: 11.14 min Scan# 1681

Delta R.T. 0.01 min

Lab File: VX012382.D

Acq: 13 Sep 2019 13:06

Instrument :

MSVOA_X

ClientSampleId :

T3-2-(0)

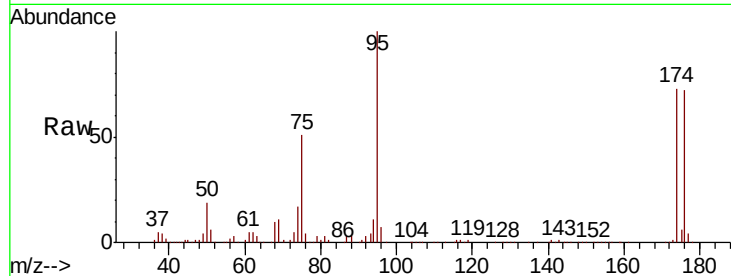
Tgt Ion: 95 Resp: 108994

Ion Ratio Lower Upper

95 100

174 70.5 0.0 127.0

176 66.5 0.0 125.8

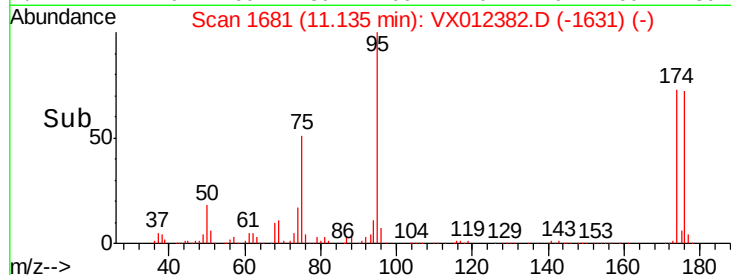


Abundance Ion 94.90 (94.60 to 95.60): VX012248.D (-1673) (-)

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

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

Time-->

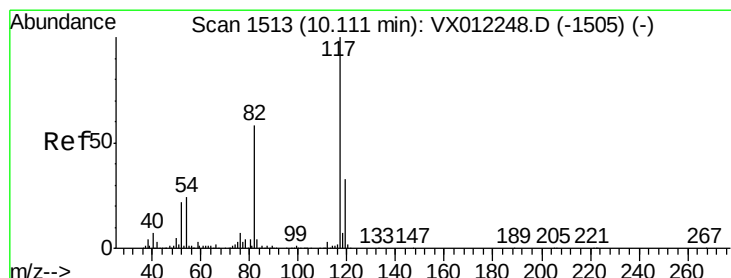


Abundance Ion 94.90 (94.60 to 95.60): VX012382.D (-1631) (-)

Ion 173.80 (173.50 to 174.50): VX012382.D (-1631) (-)

Ion 175.80 (175.50 to 176.50): VX012382.D (-1631) (-)

Time-->



#63

Chlorobenzene-d5

Concen: 50.000 ug/l

RT: 10.11 min Scan# 1513

Delta R.T. -0.00 min

Lab File: VX012382.D

Acq: 13 Sep 2019 13:06

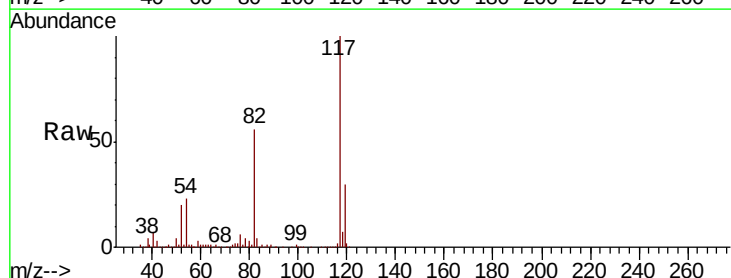
Tgt Ion: 117 Resp: 234004

Ion Ratio Lower Upper

117 100

82 56.4 46.4 69.6

119 29.8 26.6 39.8

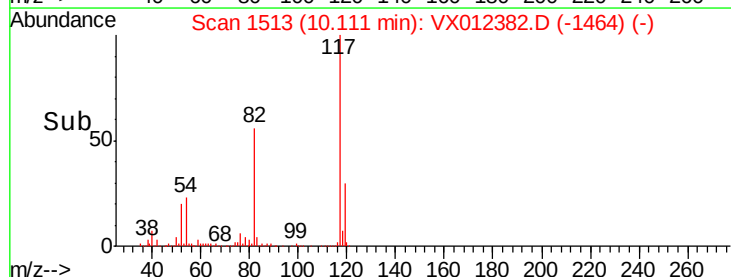


Abundance Ion 116.90 (116.60 to 117.60): VX012248.D (-1505) (-)

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

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

Time-->

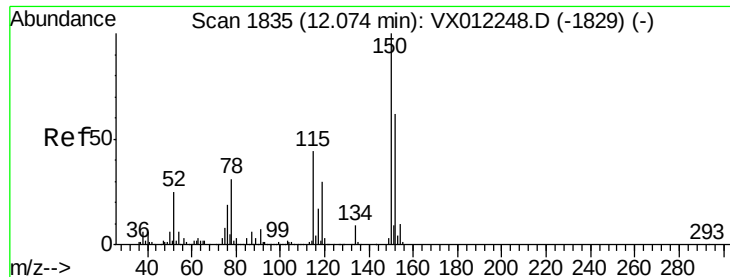


Abundance Ion 116.90 (116.60 to 117.60): VX012382.D (-1464) (-)

Ion 82.00 (81.70 to 82.70): VX012382.D (-1464) (-)

Ion 118.90 (118.60 to 119.60): VX012382.D (-1464) (-)

Time-->

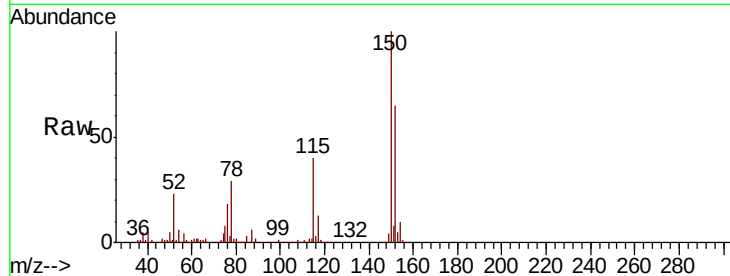


#72

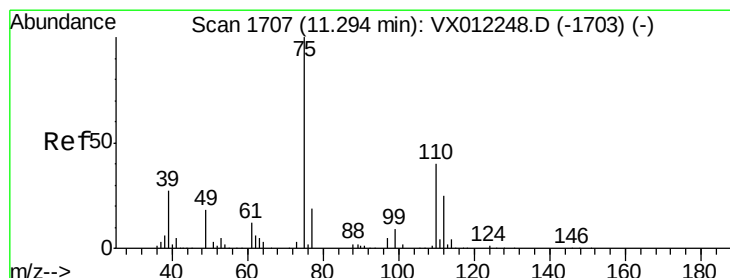
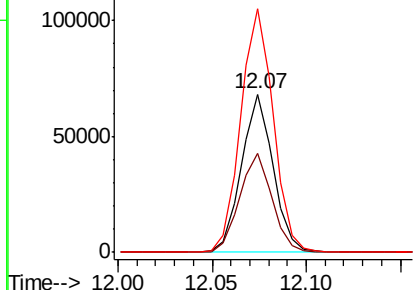
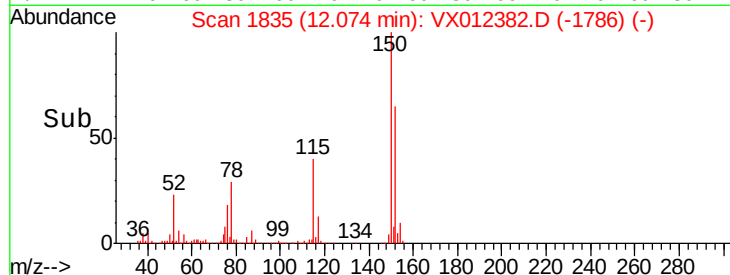
1,4-Dichlorobenzene-d4
Concen: 50.000 ug/l
RT: 12.07 min Scan# 1835
Delta R.T. -0.00 min
Lab File: VX012382.D
Acq: 13 Sep 2019 13:06

Instrument :
MSVOA_X
ClientSampled :
T3-2-(0)

Tgt Ion: 152 Resp: 79609
Ion Ratio Lower Upper
152 100
115 63.9 45.5 136.4
150 158.0 0.0 346.4



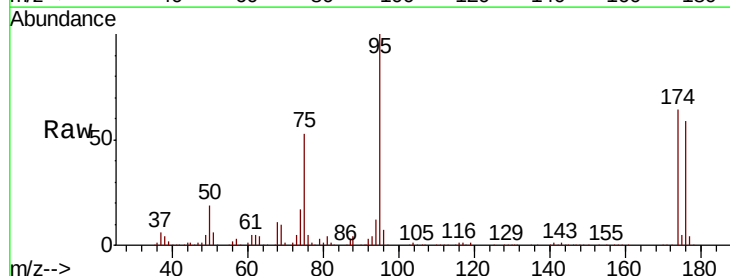
Abundance Ion 151.90 (151.60 to 152.60): V
Ion 114.90 (114.60 to 115.60): V
Ion 149.90 (149.60 to 150.60): V



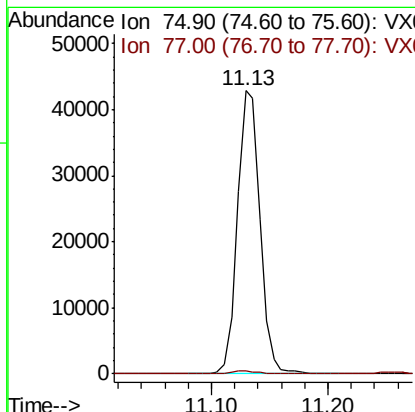
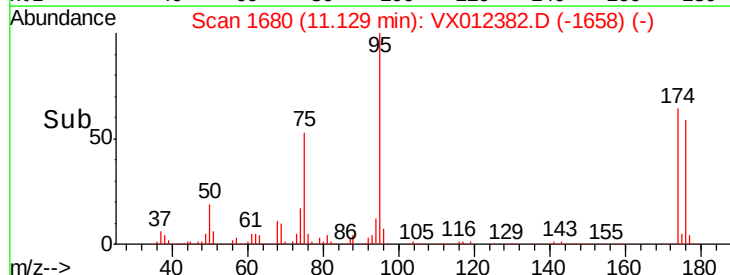
#76

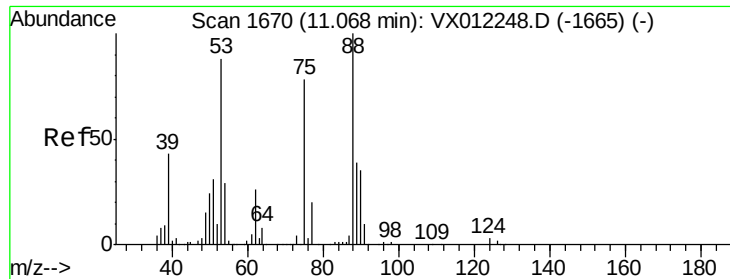
1,2,3-Trichloropropane
Concen: 56.700 ug/l
RT: 11.13 min Scan# 1680
Delta R.T. -0.16 min
Lab File: VX012382.D
Acq: 13 Sep 2019 13:06

Tgt Ion: 75 Resp: 57987
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: 169.887 ug/l

RT: 11.13 min Scan# 1680

Delta R.T. 0.06 min

Lab File: VX012382.D

Acq: 13 Sep 2019 13:06

Instrument :

MSVOA_X

ClientSampleId :

T3-2-(0)

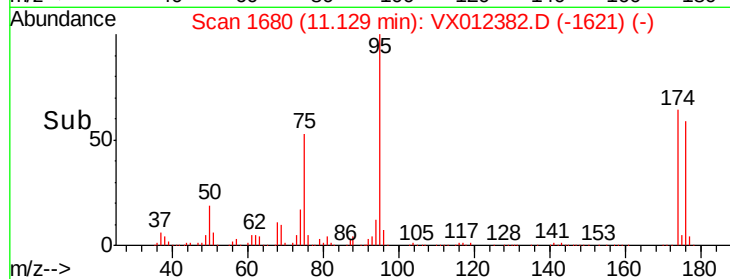
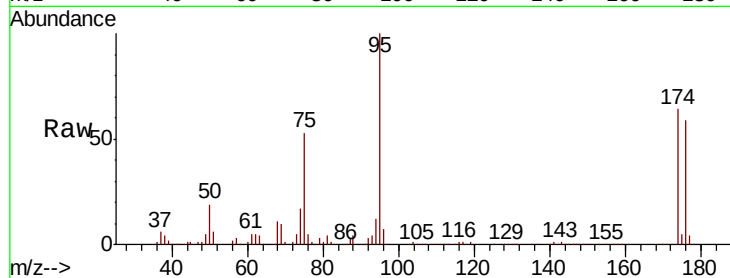
Tgt Ion: 75 Resp: 57987

Ion Ratio Lower Upper

75 100

53 0.0 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

