

Data Path : Z:\VOASRV\HPCHEM1\MSVOA_X\DATA\VX091319\
 Data File : VX012385.D
 Acq On : 13 Sep 2019 14:29
 Operator : SY/SP
 Sample : K4695-05
 Misc : 9.15g/5.0mL/MSVOA_X/SOIL
 ALS Vial : 12 Sample Multiplier: 1

Instrument :
 MSVOA_X
 ClientSampleId :
 T3-3-(1.5)

Quant Time: Sep 14 00:04:18 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	162273	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	6.85	114	274295	50.00	ug/l	0.00
63) Chlorobenzene-d5	10.11	117	230363	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	12.07	152	82049	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	105832	46.13	ug/l	0.00
Spiked Amount			Recovery	=	92.26%	
35) Dibromofluoromethane	5.48	113	81486	46.34	ug/l	0.00
Spiked Amount			Recovery	=	92.68%	
50) Toluene-d8	8.71	98	322183	52.24	ug/l	0.00
Spiked Amount			Recovery	=	104.48%	
62) 4-Bromofluorobenzene	11.14	95	108225	37.85	ug/l	0.00
Spiked Amount			Recovery	=	75.70%	

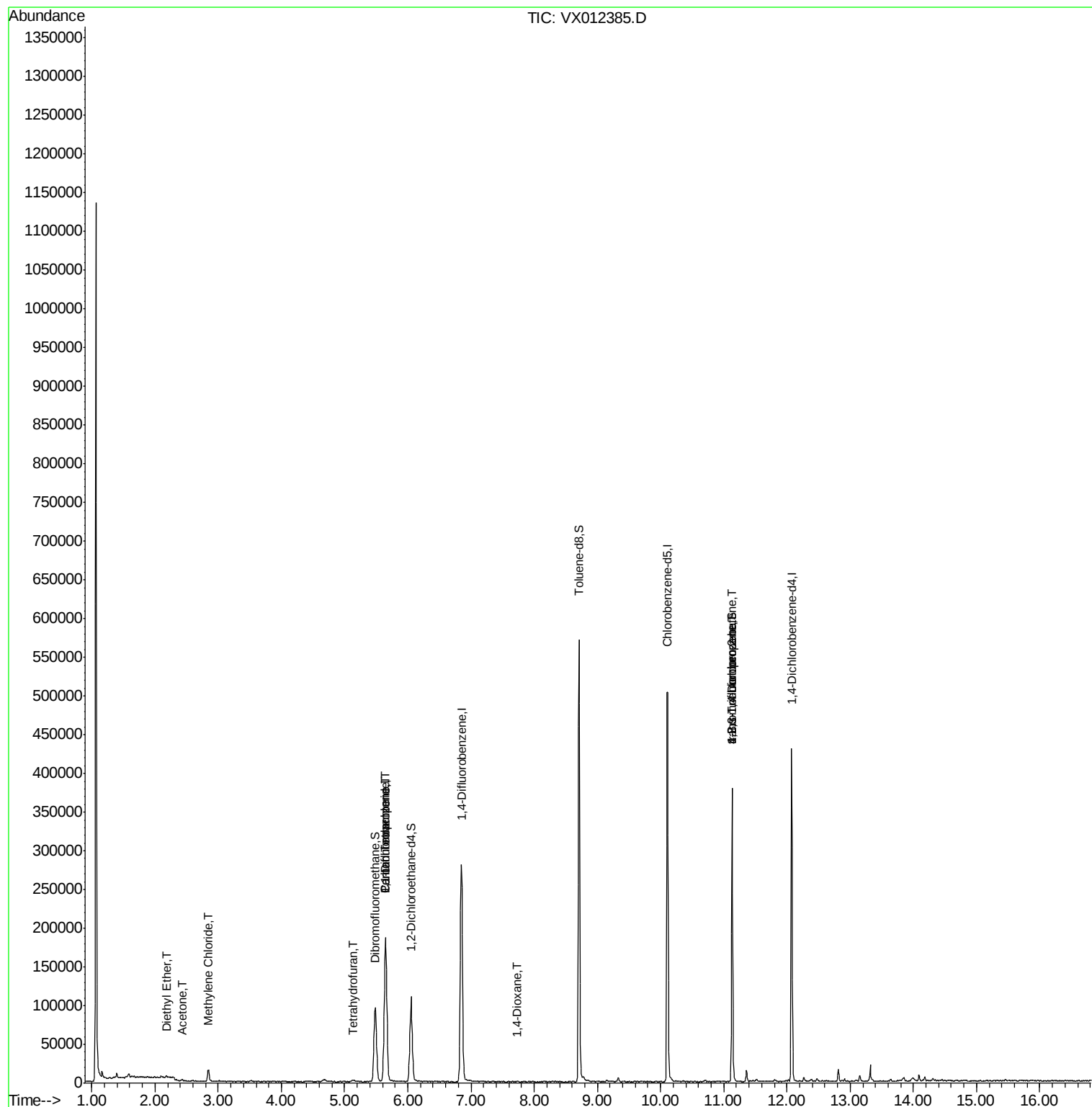
Target Compounds	R.T.	QIon	Response	Conc	Units	Qvalue
5) Bromomethane	1.61	94	89	Below Cal	#	3
8) Diethyl Ether	2.18	74	875	1.195	ug/l	88
11) Tert butyl alcohol	3.03	59	1473	Below Cal	#	82
16) Acetone	2.43	43	1625	2.992	ug/l	100
20) Methylene Chloride	2.85	84	6940	1.542	ug/l #	83
29) Tetrahydrofuran	5.14	42	1956	5.222	ug/l #	78
36) 1,1-Dichloropropene	5.64	75	14117	7.058	ug/l #	43
38) Carbon Tetrachloride	5.64	117	18731	7.982	ug/l #	15
49) 1,4-Dioxane	7.73	88	28	1.663	ug/l #	1
76) 1,2,3-Trichloropropane	11.13	75	56992	54.070	ug/l #	38
81) trans-1,4-Dichloro-2-buten	11.13	75	56992	162.006	ug/l #	6

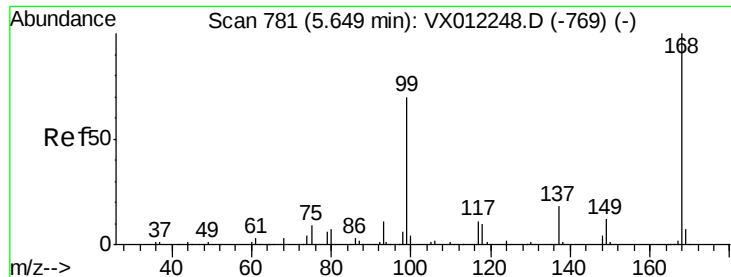
(#) = qualifier out of range (m) = manual integration (+) = signals summed

Data Path : Z:\V0ASRV\HPCHEM1\MSVOA_X\DATA\VX091319\
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Quant Time: Sep 14 00:04:18 2019
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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: VX012385.D

Acq: 13 Sep 2019 14:29

Instrument :

MSVOA_X

ClientSampleId :

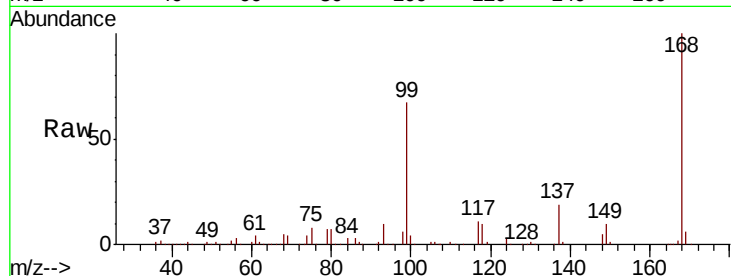
T3-3-(1.5)

Tgt Ion:168 Resp: 162273

Ion Ratio Lower Upper

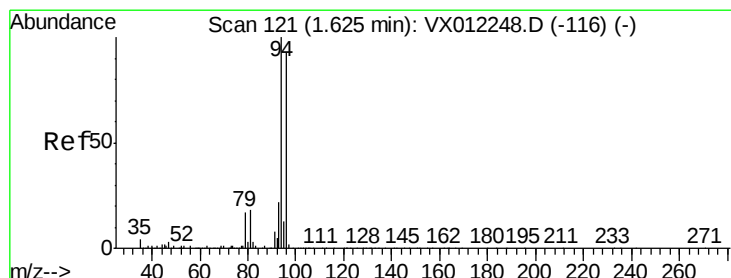
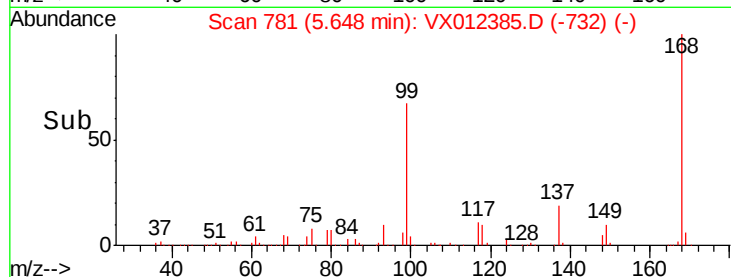
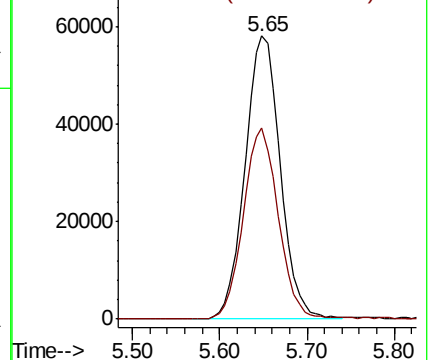
168 100

99 67.4 55.8 83.6



Abundance Ion 167.90 (167.60 to 168.60): V

Ion 98.90 (98.60 to 99.60): VX0



#5

Bromomethane

Concen: Below Cal

RT: 1.61 min Scan# 119

Delta R.T. -0.01 min

Lab File: VX012385.D

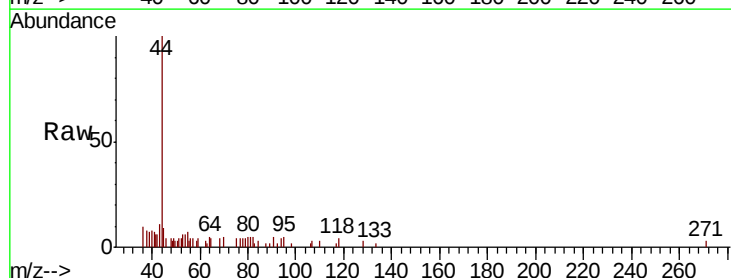
Acq: 13 Sep 2019 14:29

Tgt Ion: 94 Resp: 89

Ion Ratio Lower Upper

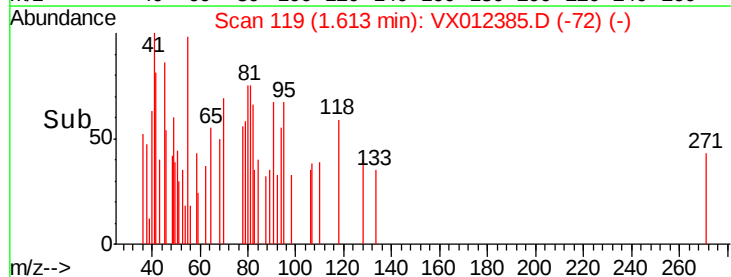
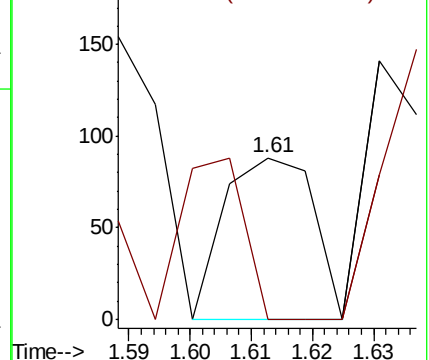
94 100

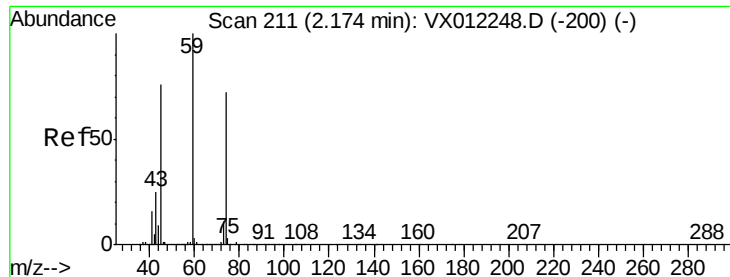
96 0.0 74.0 111.0#



Abundance Ion 93.90 (93.60 to 94.60): VX0

Ion 95.90 (95.60 to 96.60): VX0

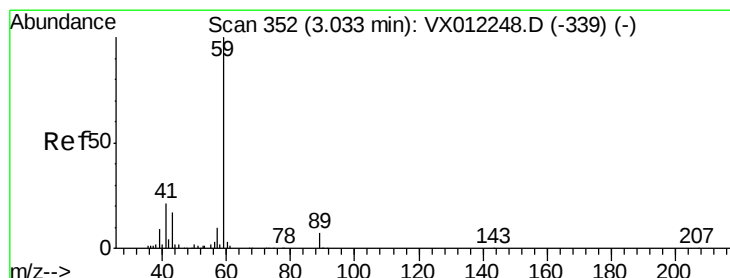
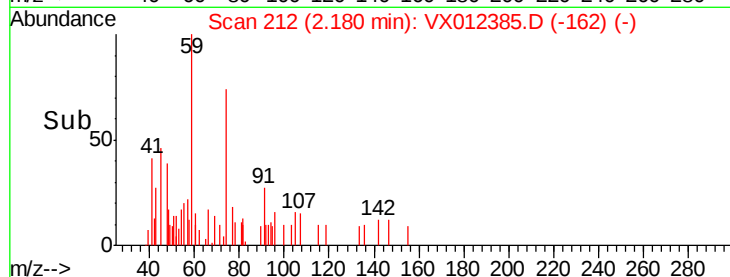
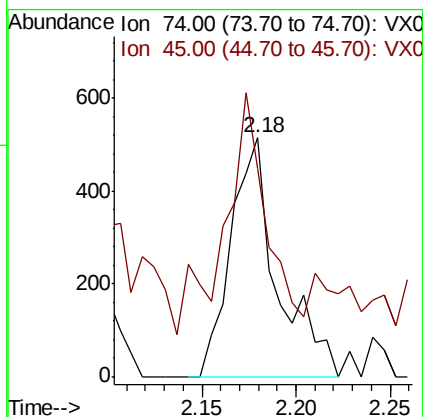
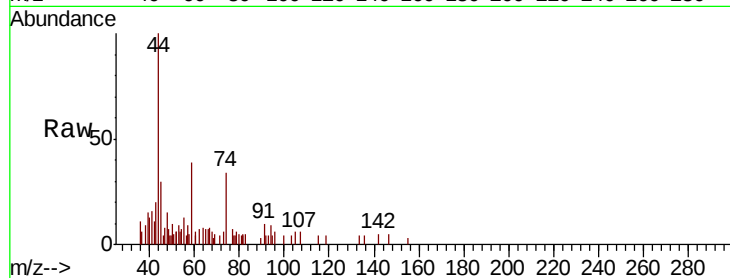




#8
Diethyl Ether
Concen: 1.195 ug/l
RT: 2.18 min Scan# 212
Delta R.T. 0.01 min
Lab File: VX012385.D
Acq: 13 Sep 2019 14:29

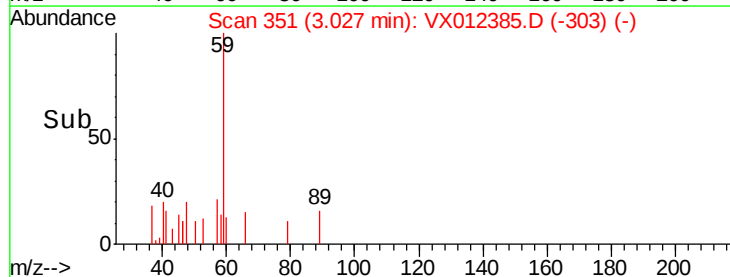
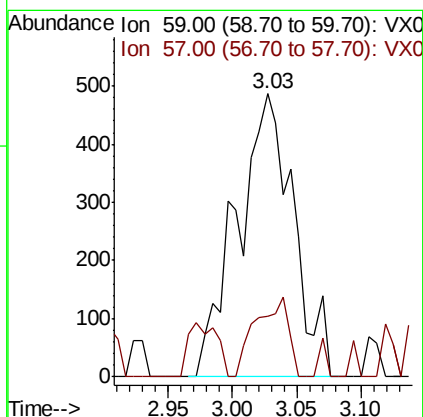
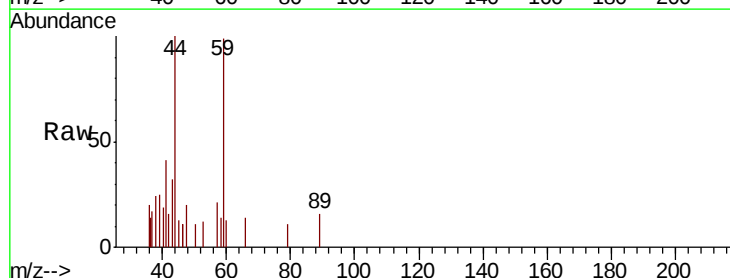
Instrument :
MSVOA_X
ClientSampleId :
T3-3-(1.5)

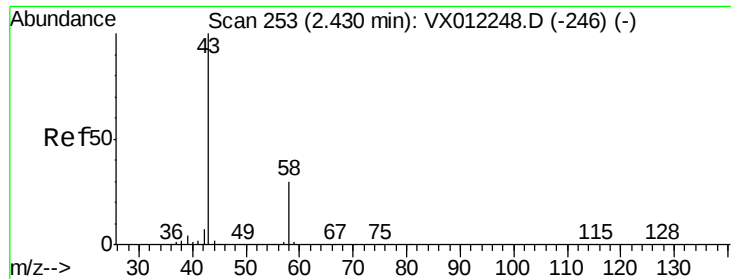
Tgt Ion: 74 Resp: 875
Ion Ratio Lower Upper
74 100
45 90.9 51.3 153.9



#11
Tert butyl alcohol
Concen: Below Cal
RT: 3.03 min Scan# 351
Delta R.T. -0.01 min
Lab File: VX012385.D
Acq: 13 Sep 2019 14:29

Tgt Ion: 59 Resp: 1473
Ion Ratio Lower Upper
59 100
57 16.4 7.8 11.6#





#16

Acetone

Concen: 2.992 ug/l

RT: 2.43 min Scan# 253

Delta R.T. -0.00 min

Lab File: VX012385.D

Acq: 13 Sep 2019 14:29

Instrument :

MSVOA_X

ClientSampled :

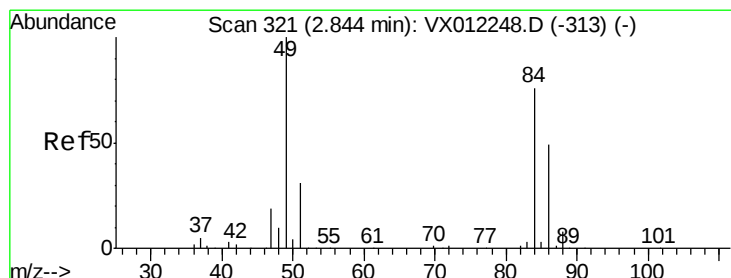
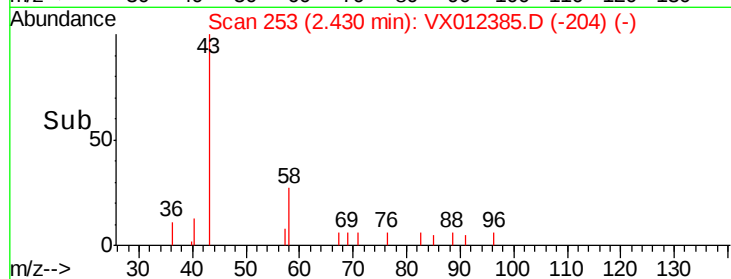
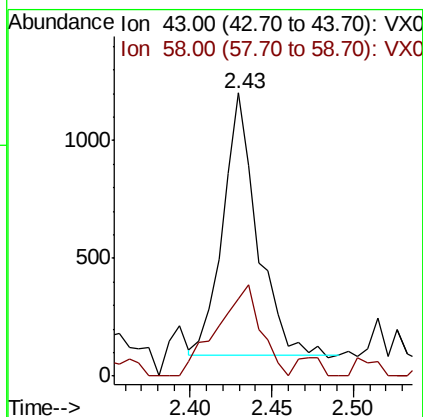
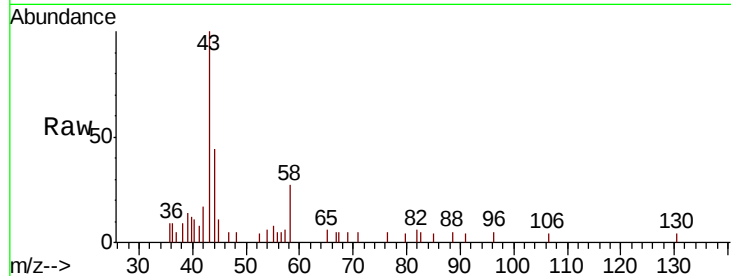
T3-3-(1.5)

Tgt Ion: 43 Resp: 1625

Ion Ratio Lower Upper

43 100

58 29.5 23.6 35.4



#20

Methylene Chloride

Concen: 1.542 ug/l

RT: 2.85 min Scan# 322

Delta R.T. 0.01 min

Lab File: VX012385.D

Acq: 13 Sep 2019 14:29

Tgt Ion: 84 Resp: 6940

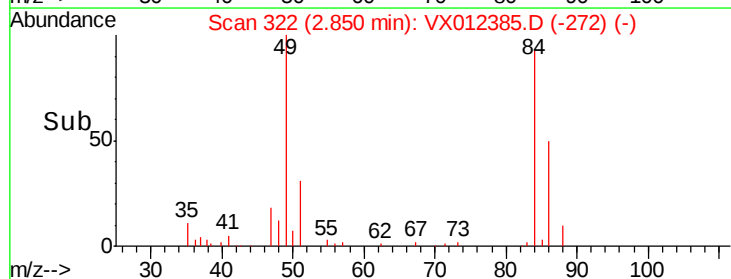
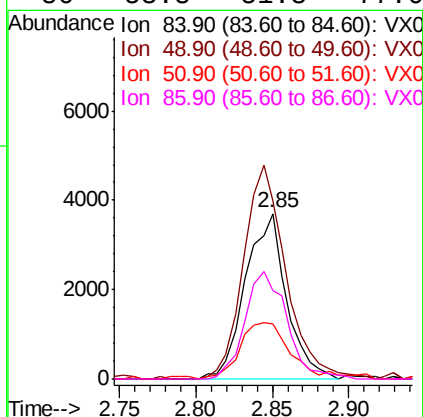
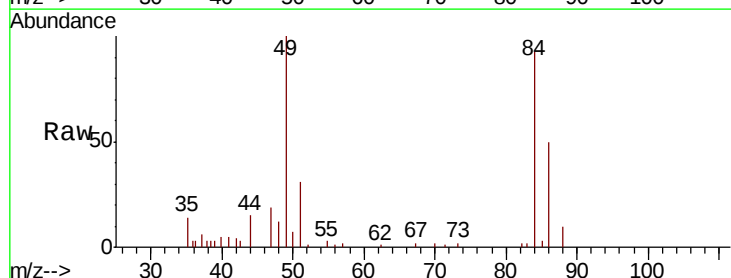
Ion Ratio Lower Upper

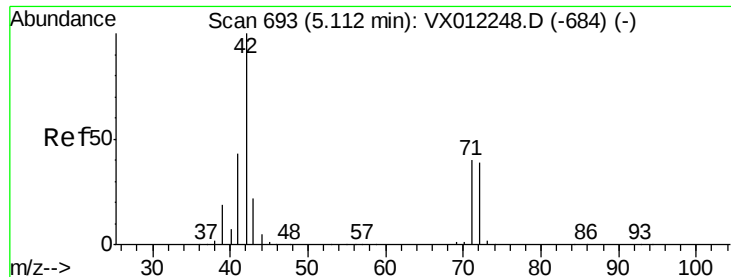
84 100

49 107.9 105.0 157.6

51 31.3 32.6 48.8#

86 53.8 51.8 77.6





#29

Tetrahydrofuran

Concen: 5.222 ug/l

RT: 5.14 min Scan# 697

Delta R.T. 0.02 min

Lab File: VX012385.D

Acq: 13 Sep 2019 14:29

Instrument :

MSVOA_X

ClientSampleId :

T3-3-(1.5)

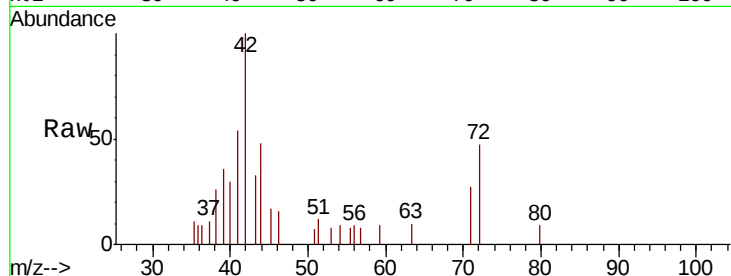
Tgt Ion: 42 Resp: 1956

Ion Ratio Lower Upper

42 100

72 62.5 35.2 52.8#

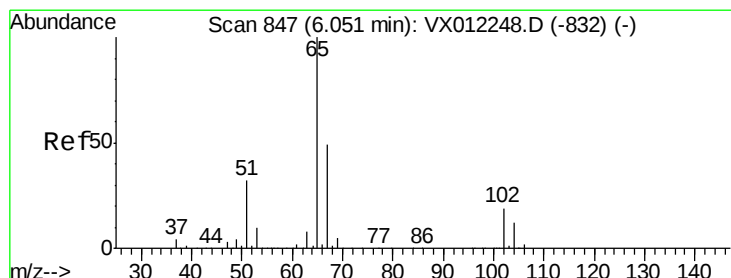
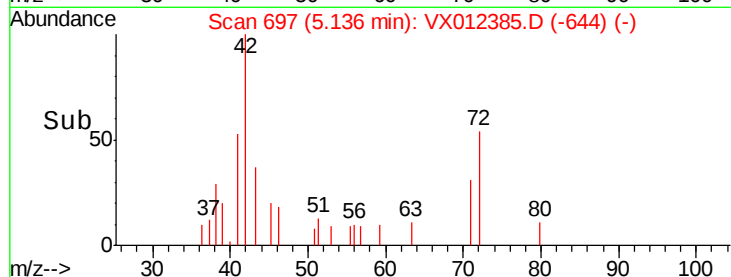
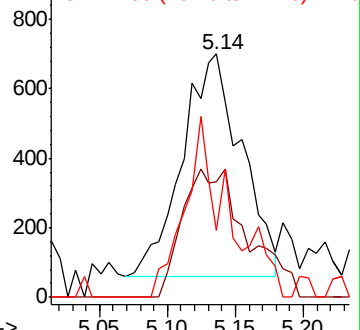
71 49.4 32.5 48.7#



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: 46.130 ug/l

RT: 6.05 min Scan# 847

Delta R.T. -0.00 min

Lab File: VX012385.D

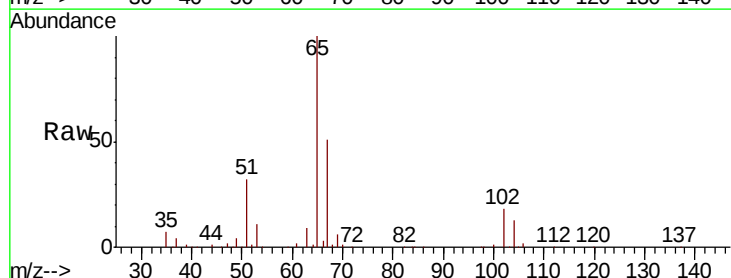
Acq: 13 Sep 2019 14:29

Tgt Ion: 65 Resp: 105832

Ion Ratio Lower Upper

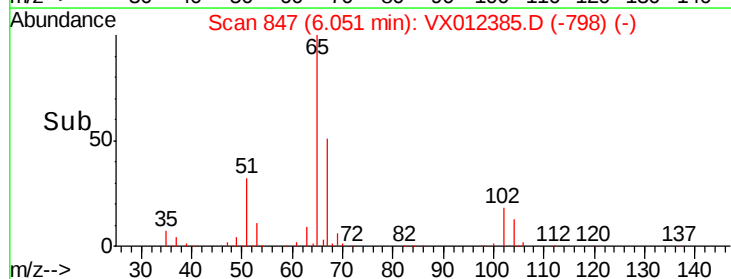
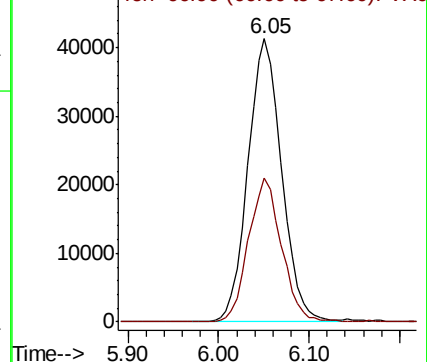
65 100

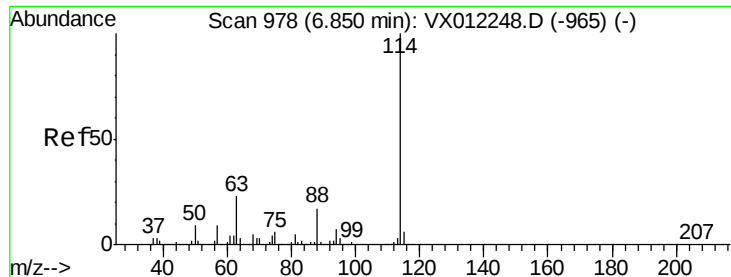
67 49.9 0.0 99.8



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: VX012385.D

Acq: 13 Sep 2019 14:29

Instrument :

MSVOA_X

ClientSampleId :

T3-3-(1.5)

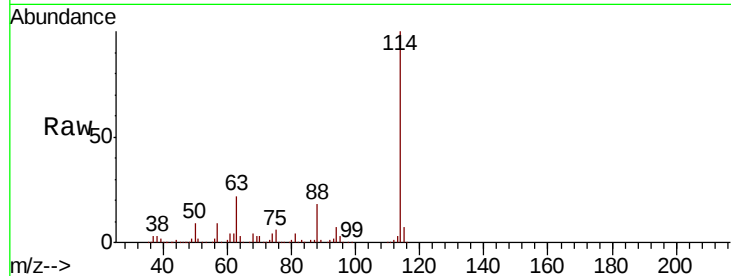
Tgt Ion:114 Resp: 274295

Ion Ratio Lower Upper

114 100

63 22.2 0.0 45.2

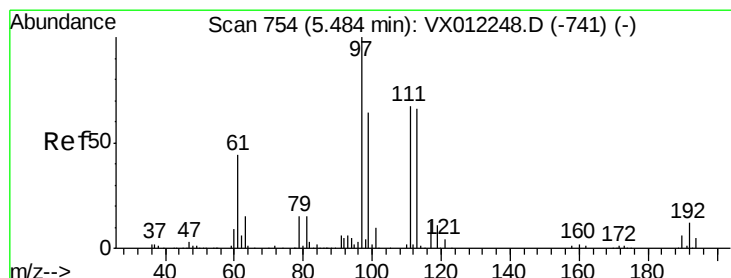
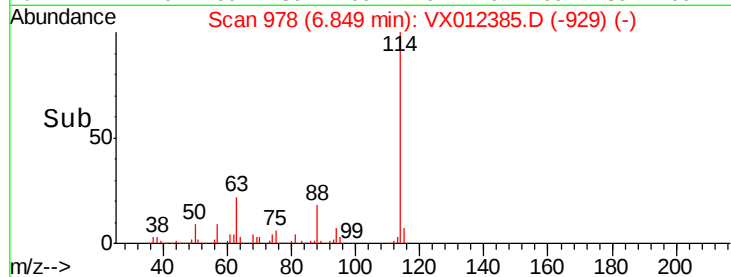
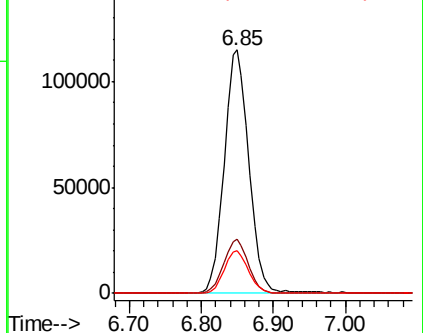
88 17.7 0.0 34.8



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: 46.342 ug/l

RT: 5.48 min Scan# 754

Delta R.T. -0.00 min

Lab File: VX012385.D

Acq: 13 Sep 2019 14:29

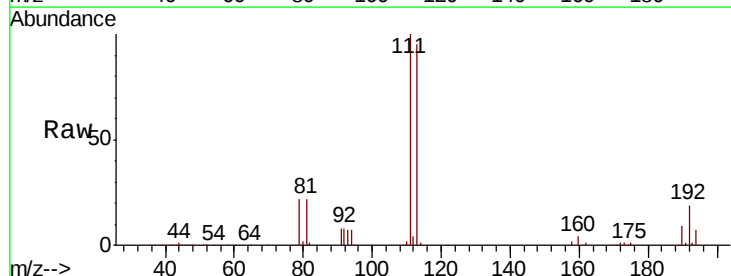
Tgt Ion:113 Resp: 81486

Ion Ratio Lower Upper

113 100

111 102.8 83.0 124.6

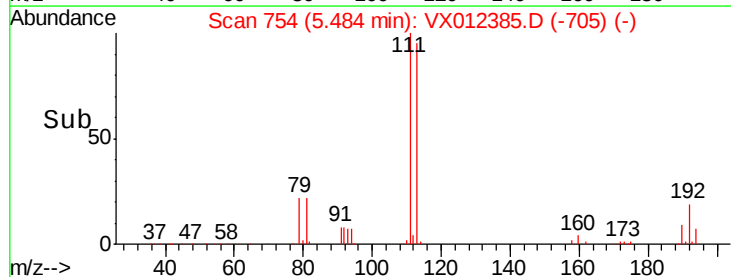
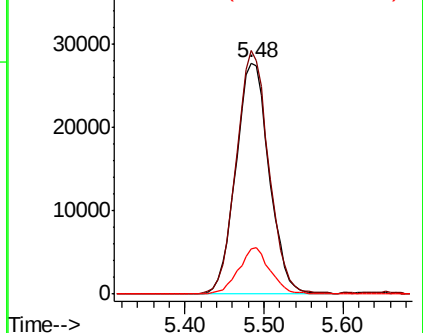
192 18.8 14.3 21.5

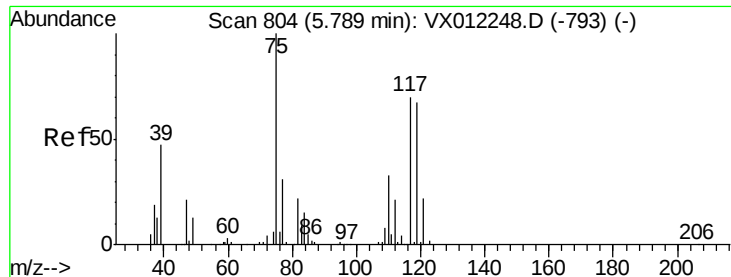


Abundance Ion 112.80 (112.50 to 113.50): V

Ion 110.80 (110.50 to 111.50): V

Ion 191.70 (191.40 to 192.40): V

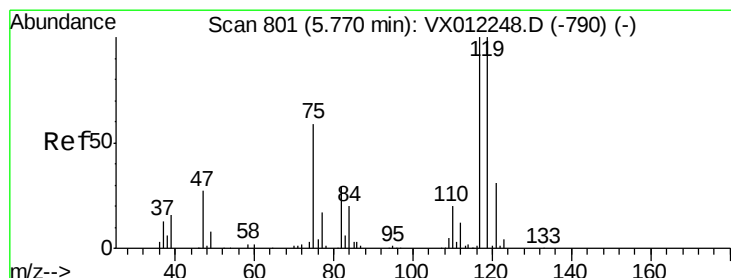
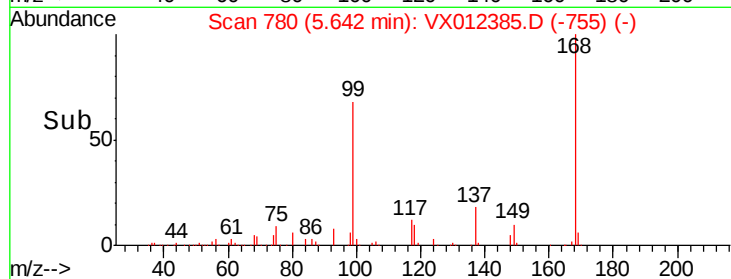
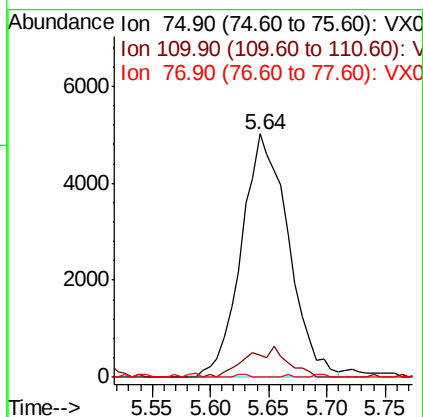
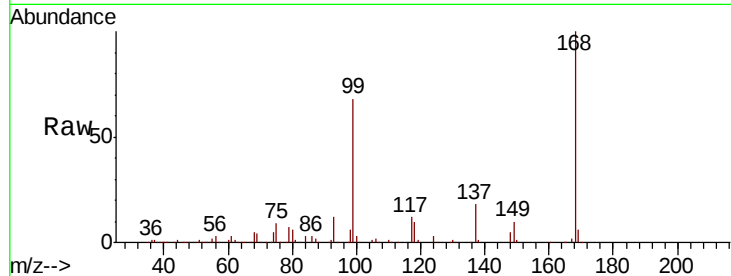




#36
 1,1-Dichloropropene
 Concen: 7.058 ug/l
 RT: 5.64 min Scan# 780
 Delta R.T. -0.15 min
 Lab File: VX012385.D
 Acq: 13 Sep 2019 14:29

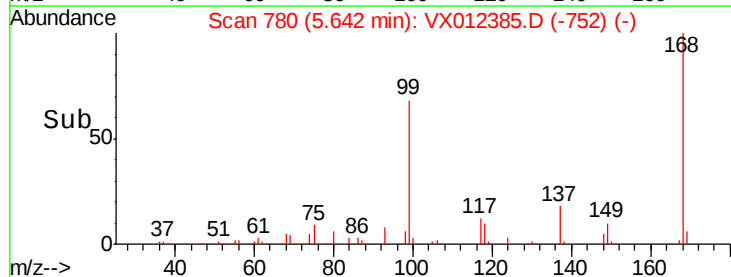
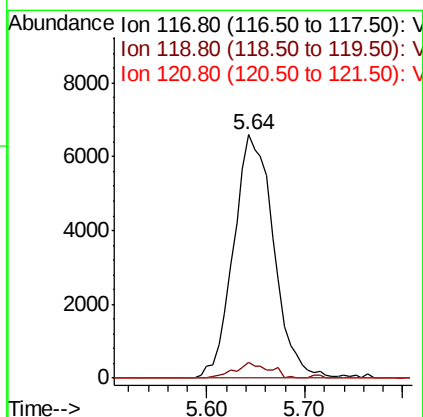
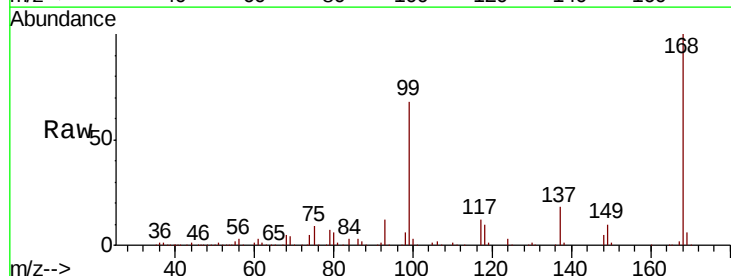
Instrument :
 MSVOA_X
 ClientSampled :
 T3-3-(1.5)

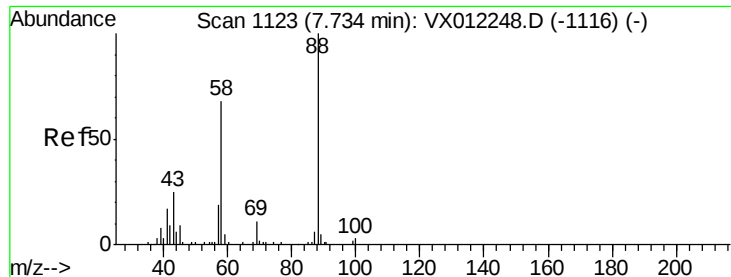
Tgt Ion: 75 Resp: 14117
 Ion Ratio Lower Upper
 75 100
 110 0.0 16.8 50.4#
 77 0.3 24.5 36.7#



#38
 Carbon Tetrachloride
 Concen: 7.982 ug/l
 RT: 5.64 min Scan# 780
 Delta R.T. -0.13 min
 Lab File: VX012385.D
 Acq: 13 Sep 2019 14:29

Tgt Ion: 117 Resp: 18731
 Ion Ratio Lower Upper
 117 100
 119 6.5 79.6 119.4#
 121 0.0 24.7 37.1#

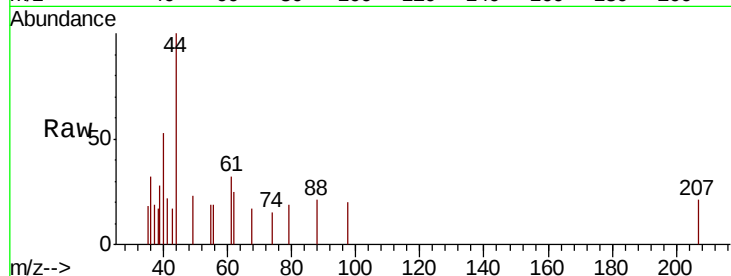




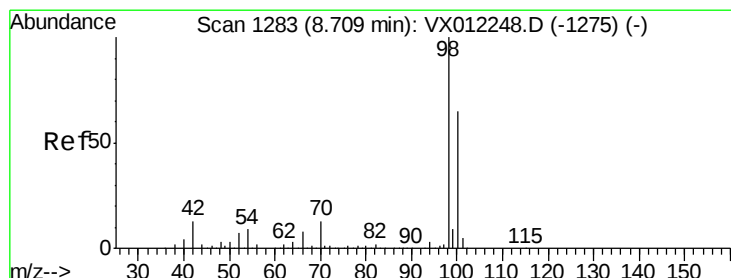
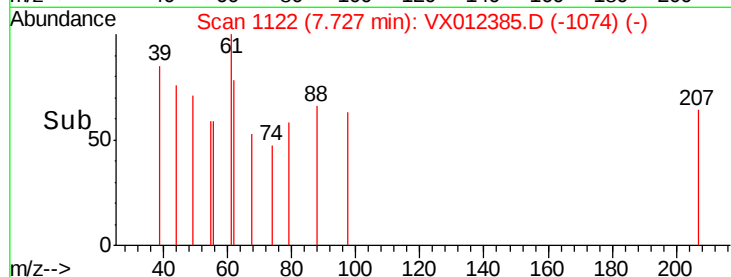
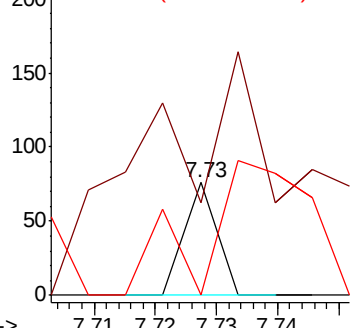
#49
1,4-Dioxane
Concen: 1.663 ug/l
RT: 7.73 min Scan# 1122
Delta R.T. -0.01 min
Lab File: VX012385.D
Acq: 13 Sep 2019 14:29

Instrument :
MSVOA_X
ClientSampled :
T3-3-(1.5)

Tgt Ion: 88 Resp: 28
Ion Ratio Lower Upper
88 100
43 453.6 31.0 46.4#
58 389.3 61.5 92.3#

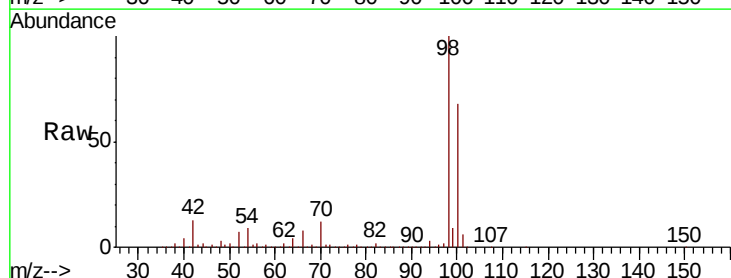


Abundance Ion 88.00 (87.70 to 88.70): VX0
Ion 43.00 (42.70 to 43.70): VX0
Ion 58.00 (57.70 to 58.70): VX0

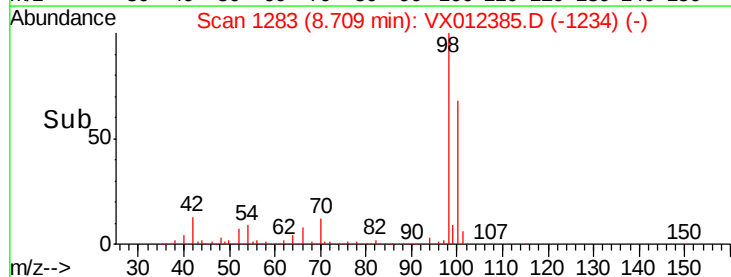
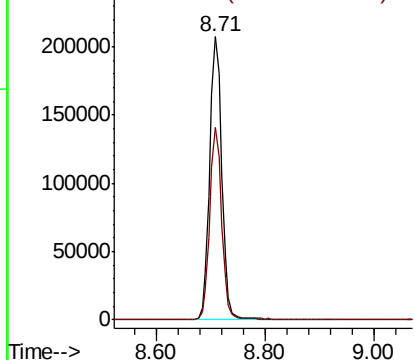


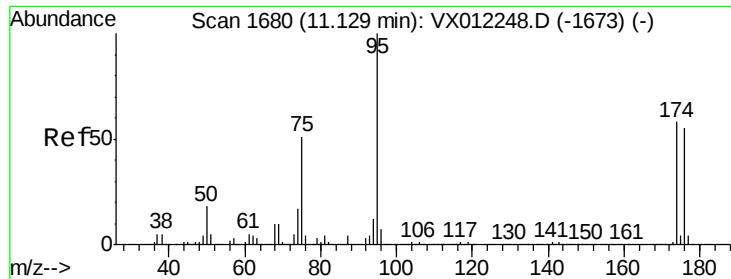
#50
Toluene-d8
Concen: 52.242 ug/l
RT: 8.71 min Scan# 1283
Delta R.T. -0.00 min
Lab File: VX012385.D
Acq: 13 Sep 2019 14:29

Tgt Ion: 98 Resp: 322183
Ion Ratio Lower Upper
98 100
100 67.1 54.1 81.1



Abundance Ion 98.00 (97.70 to 98.70): VX0
Ion 100.00 (99.70 to 100.70): VX0





#62

4-Bromofluorobenzene

Concen: 37.853 ug/l

RT: 11.14 min Scan# 1681

Delta R.T. 0.01 min

Lab File: VX012385.D

Acq: 13 Sep 2019 14:29

Instrument :

MSVOA_X

ClientSampled :

T3-3-(1.5)

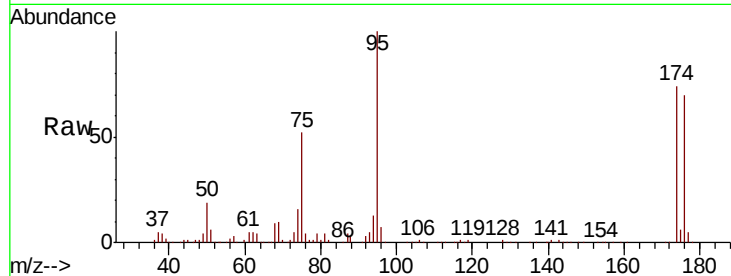
Tgt Ion: 95 Resp: 108225

Ion Ratio Lower Upper

95 100

174 68.9 0.0 127.0

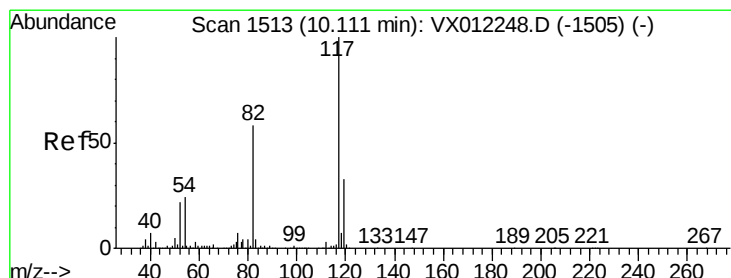
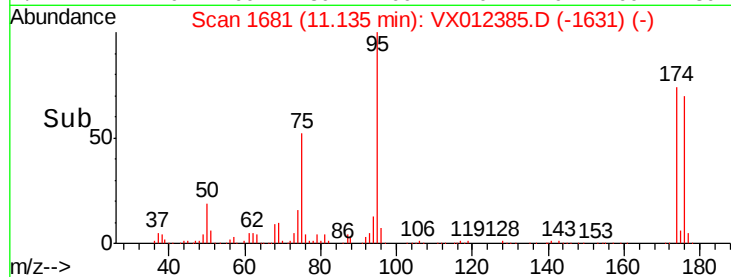
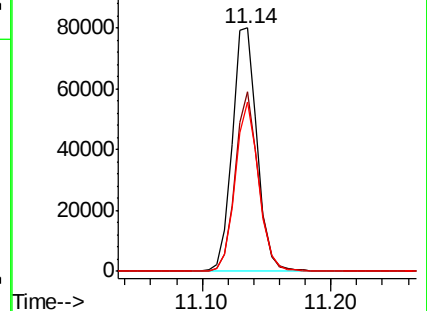
176 66.2 0.0 125.8



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: VX012385.D

Acq: 13 Sep 2019 14:29

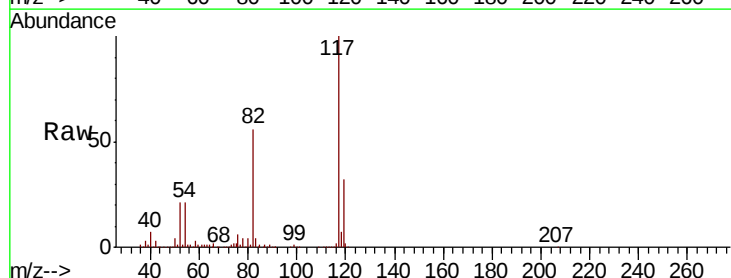
Tgt Ion: 117 Resp: 230363

Ion Ratio Lower Upper

117 100

82 56.0 46.4 69.6

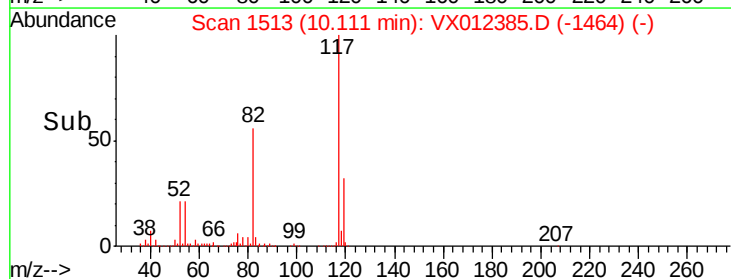
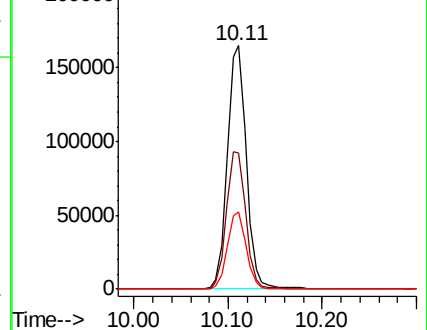
119 31.9 26.6 39.8

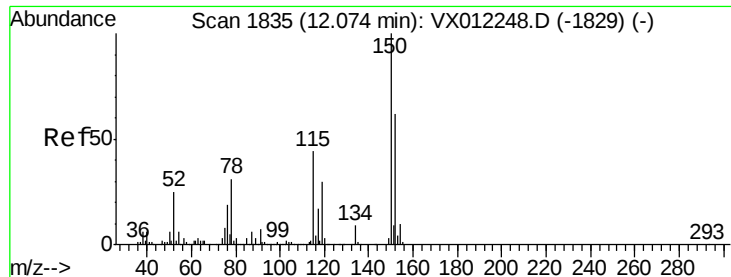


Abundance Ion 116.90 (116.60 to 117.60): VX012248.D (-1505) (-)

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: VX012385.D

Acq: 13 Sep 2019 14:29

Instrument :

MSVOA_X

ClientSampled :

T3-3-(1.5)

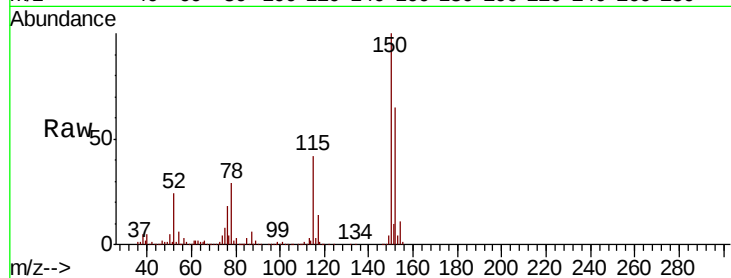
Tgt Ion:152 Resp: 82049

Ion Ratio Lower Upper

152 100

115 64.0 45.5 136.4

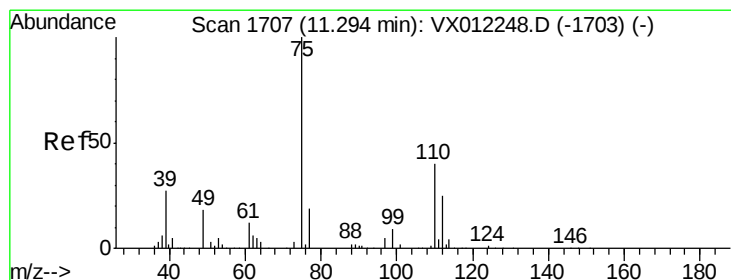
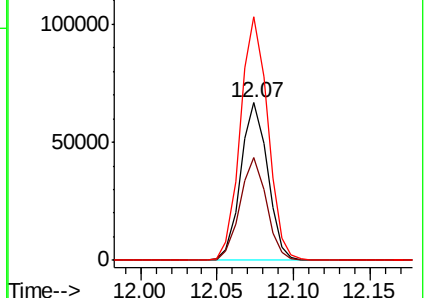
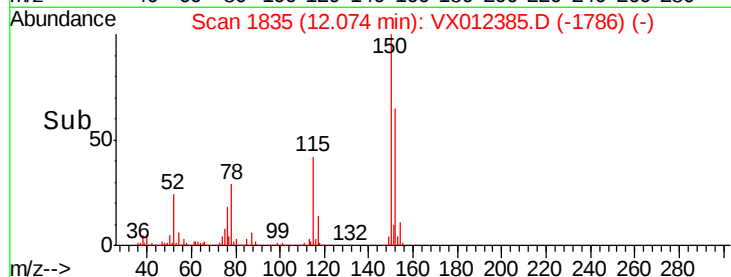
150 156.7 0.0 346.4



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: 54.070 ug/l

RT: 11.13 min Scan# 1680

Delta R.T. -0.16 min

Lab File: VX012385.D

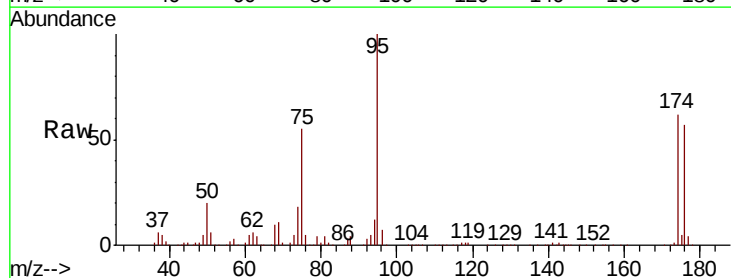
Acq: 13 Sep 2019 14:29

Tgt Ion: 75 Resp: 56992

Ion Ratio Lower Upper

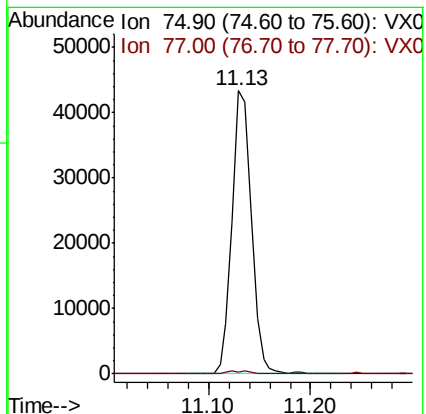
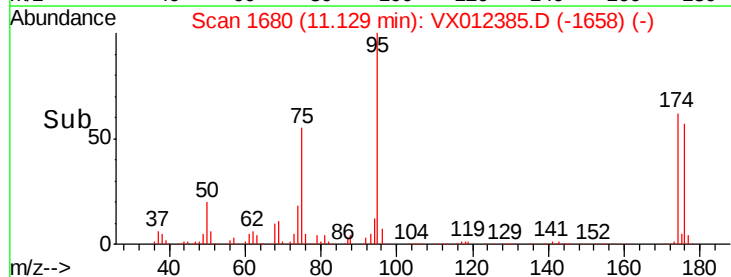
75 100

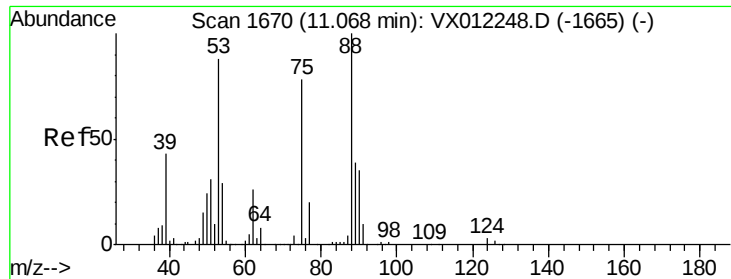
77 1.3 19.7 59.0#



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: 162.006 ug/l

RT: 11.13 min Scan# 1680

Delta R.T. 0.06 min

Lab File: VX012385.D

Acq: 13 Sep 2019 14:29

Instrument :

MSVOA_X

ClientSampleId :

T3-3-(1.5)

Tgt Ion: 75 Resp: 56992

Ion Ratio Lower Upper

75 100

53 0.5 88.1 132.1#

89 0.0 43.5 65.3#

