

Data Path : Z:\VOASRV\HPCHEM1\MSVOA X\DATA\WX092019\
 Data File : VX012568.D
 Acq On : 20 Sep 2019 19:29
 Operator : JC/SP
 Sample : IBLK1
 Misc : 5.0mL/MSVOA X/WATER
 ALS Vial : 25 Sample Multiplier: 1

Instrument :
 MSVOA_X
 ClientSampleId :
 IBLK1

Quant Time: Sep 21 01:37:54 2019
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_X\METHOD\82X091719W.M
 Quant Title : SW846 8260
 QLast Update : Tue Sep 17 15:27:10 2019
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Pentafluorobenzene	5.65	168	177806	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	6.85	114	285377	50.00	ug/l	0.00
63) Chlorobenzene-d5	10.11	117	246970	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	12.07	152	100908	50.00	ug/l	0.00

System Monitoring Compounds	R.T.	QIon	Response	Conc	Units	Dev(Min)
33) 1,2-Dichloroethane-d4	6.06	65	120990	47.48	ug/l	0.00
Spiked Amount			Recovery	=	94.96%	
35) Dibromofluoromethane	5.49	113	84512	48.93	ug/l	0.00
Spiked Amount			Recovery	=	97.86%	
50) Toluene-d8	8.71	98	330205	51.65	ug/l	0.00
Spiked Amount			Recovery	=	103.30%	
62) 4-Bromofluorobenzene	11.14	95	119376	44.97	ug/l	0.00
Spiked Amount			Recovery	=	89.94%	

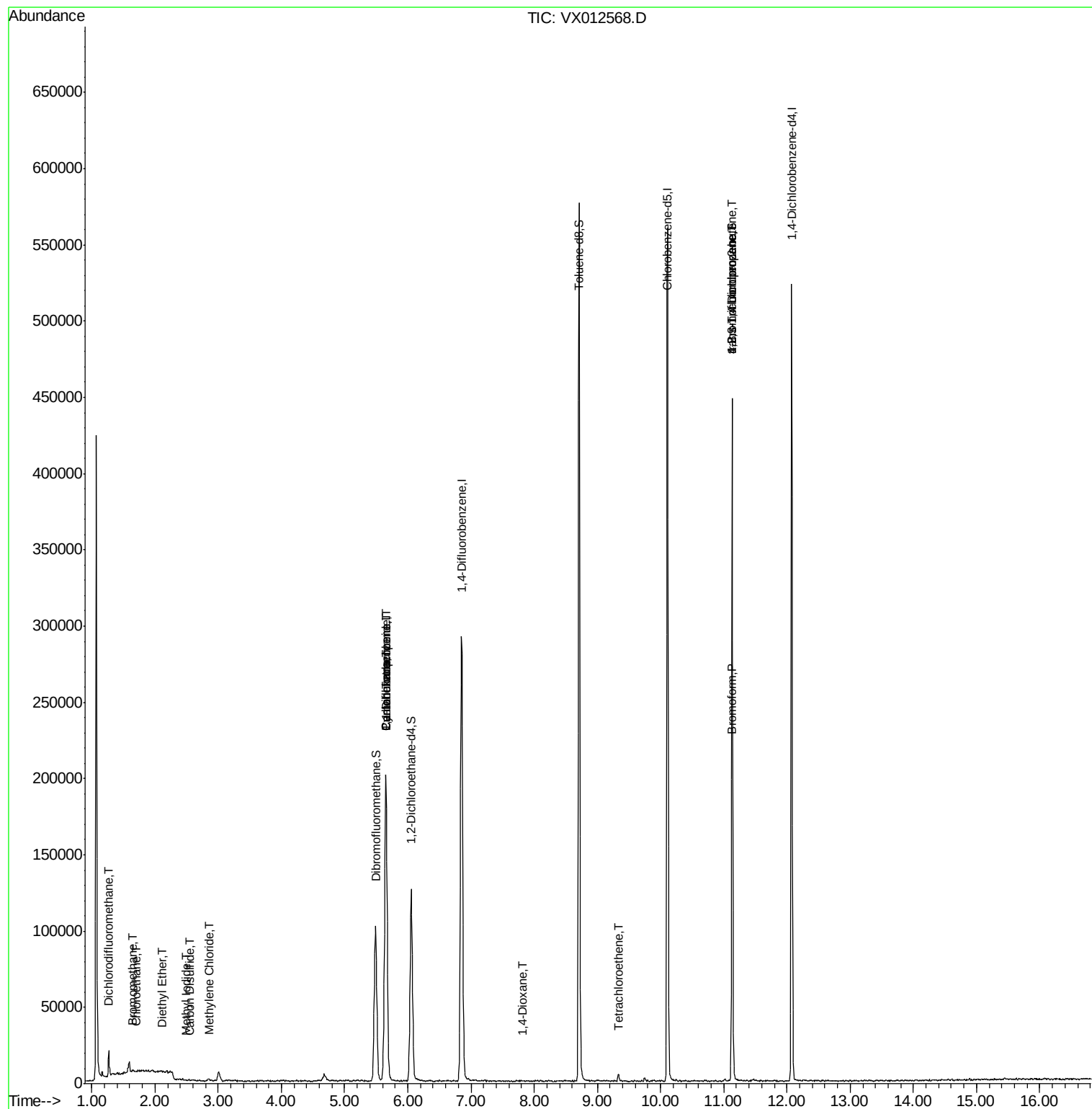
Target Compounds	R.T.	QIon	Response	Conc	Units	Qvalue
2) Dichlorodifluoromethane	1.27	85	21	0.409	ug/l #	43
5) Bromomethane	1.64	94	369	0.889	ug/l #	54
6) Chloroethane	1.70	64	531	0.642	ug/l #	45
8) Diethyl Ether	2.11	74	214	0.245	ug/l	87
10) Methyl Iodide	2.50	142	60	4.488	ug/l #	35
11) Tert butyl alcohol	3.01	59	3677	Below Cal	#	83
13) Acrolein	2.32	56	113	Below Cal	#	15
16) Acetone	2.44	43	393	Below Cal	#	63
17) Carbon Disulfide	2.55	76	76	1.853	ug/l #	75
20) Methylene Chloride	2.85	84	464	0.301	ug/l #	67
31) Cyclohexane	5.65	56	4435	2.520	ug/l #	5
36) 1,1-Dichloropropene	5.65	75	15119	8.717	ug/l #	43
38) Carbon Tetrachloride	5.65	117	19327	8.960	ug/l #	15
49) 1,4-Dioxane	7.81	88	48	0.876	ug/l #	1
64) Tetrachloroethene	9.33	164	748	0.661	ug/l #	73
71) Bromoform	11.12	173	69	2.914	ug/l #	29
76) 1,2,3-Trichloropropane	11.14	75	62928	27.148	ug/l #	38
81) trans-1,4-Dichloro-2-buten	11.14	75	62928	73.013	ug/l #	8

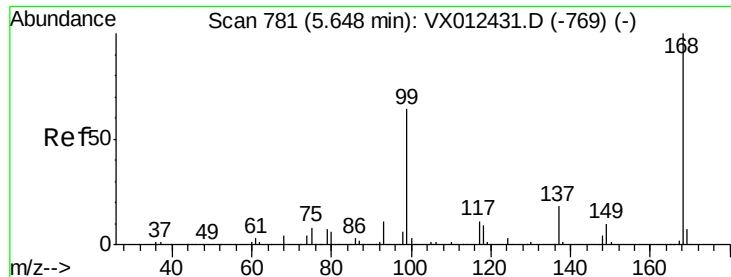
(#) = qualifier out of range (m) = manual integration (+) = signals summed

Data Path : Z:\V0ASRV\HPCHEM1\MSVOA X\DATA\VX092019\
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IBLK1

Quant Time: Sep 21 01:37:54 2019
Quant Method : Z:\V0ASRV\HPCHEM1\MSVOA_X\METHOD\82X091719W.M
Quant Title : SW846 8260
QLast Update : Tue Sep 17 15:27:10 2019
Response via : Initial Calibration





#1

Pentafluorobenzene

Concen: 50.000 ug/l

RT: 5.65 min Scan# 782

Delta R.T. 0.01 min

Lab File: VX012568.D

Acq: 20 Sep 2019 19:29

Instrument :

MSVOA_X

ClientSampleId :

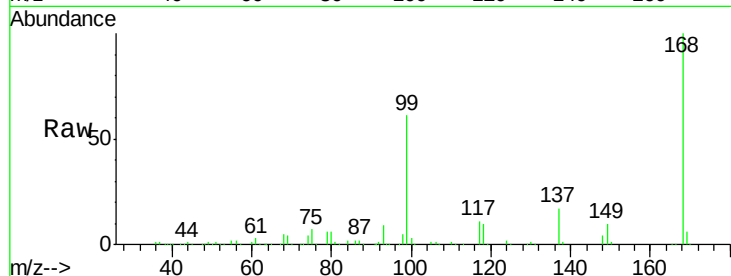
IBLK1

Tot Ion:168 Resp: 177806

Ion Ratio Lower Upper

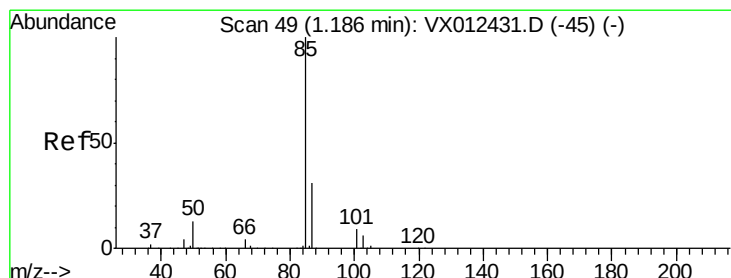
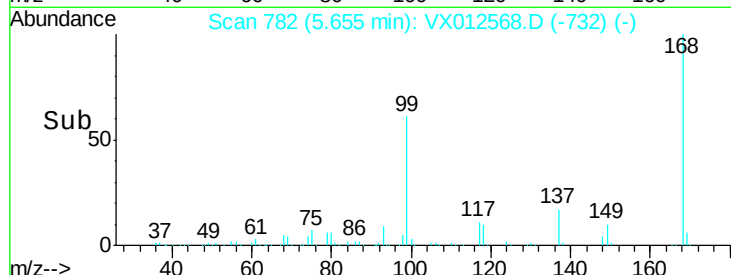
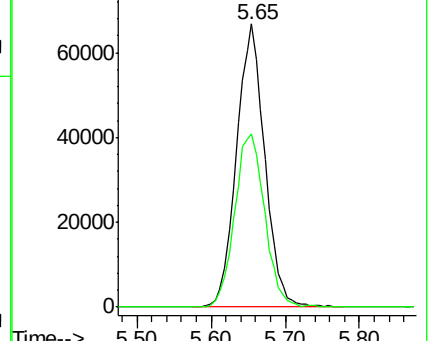
168 100

99 61.2 51.4 77.2



Abundance Ion 167.90 (167.60 to 168.60): V

Ion 98.90 (98.60 to 99.60): VX0



#2

Dichlorodifluoromethane

Concen: 0.409 ug/l

RT: 1.27 min Scan# 63

Delta R.T. 0.09 min

Lab File: VX012568.D

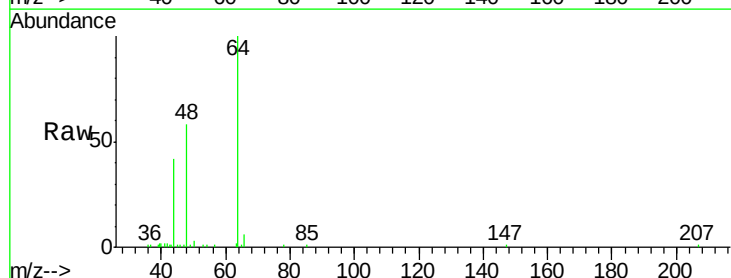
Acq: 20 Sep 2019 19:29

Tgt Ion: 85 Resp: 21

Ion Ratio Lower Upper

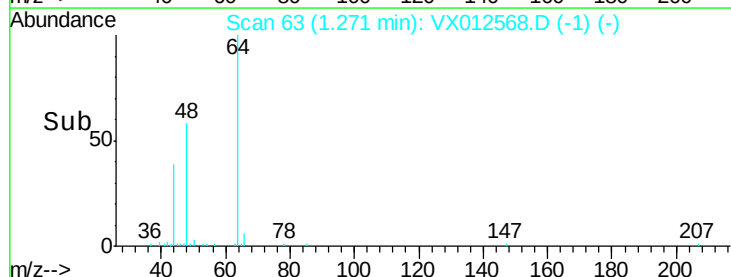
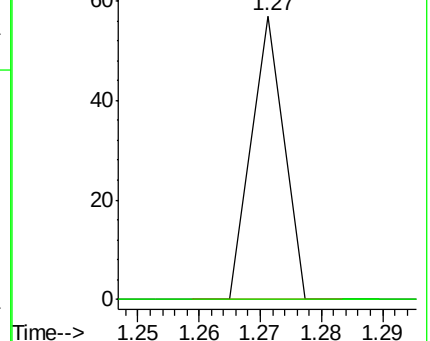
85 100

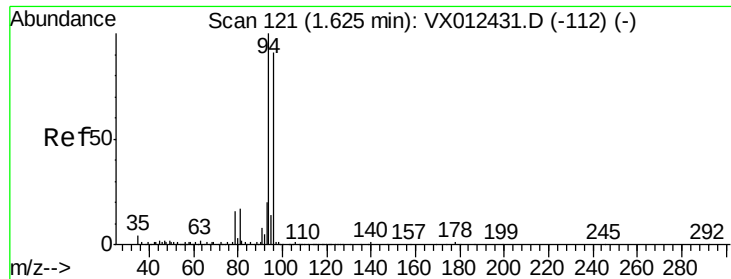
87 0.0 15.6 46.8#



Abundance Ion 84.90 (84.60 to 85.60): VX0

Ion 86.90 (86.60 to 87.60): VX0





#5

Bromomethane

Concen: 0.889 ug/l

RT: 1.64 min Scan# 124

Delta R.T. 0.02 min

Lab File: VX012568.D

Acq: 20 Sep 2019 19:29

Instrument :

MSVOA_X

ClientSampled :

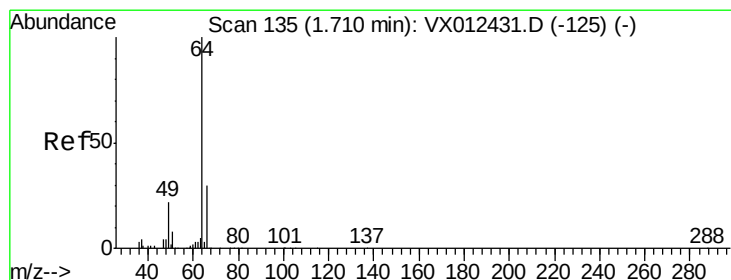
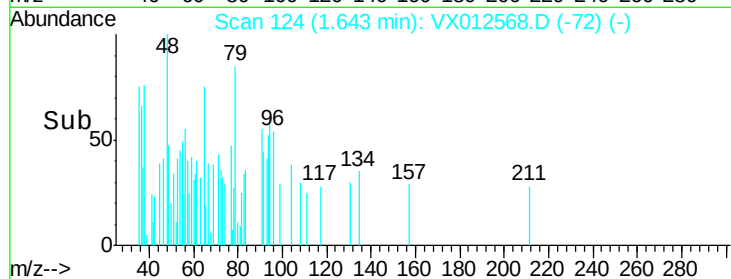
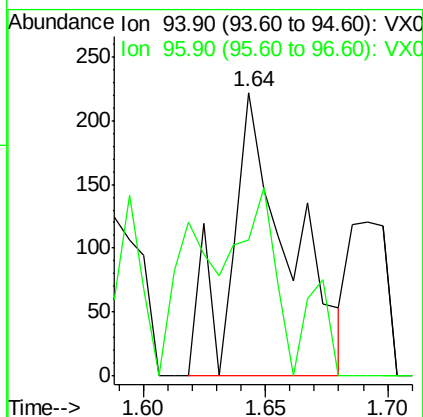
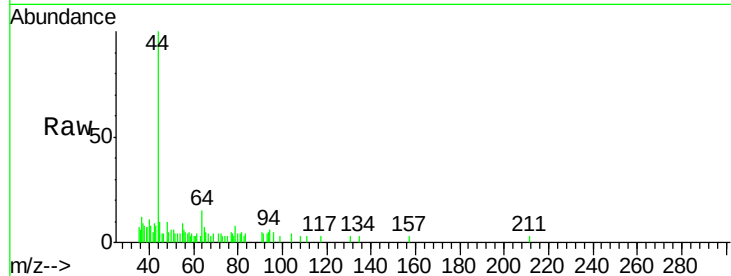
IBLK1

Tot Ion: 94 Resp: 369

Ion Ratio Lower Upper

94 100

96 47.7 72.8 109.2#



#6

Chloroethane

Concen: 0.642 ug/l

RT: 1.70 min Scan# 133

Delta R.T. -0.01 min

Lab File: VX012568.D

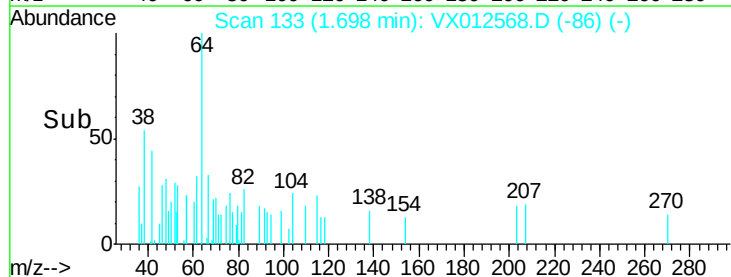
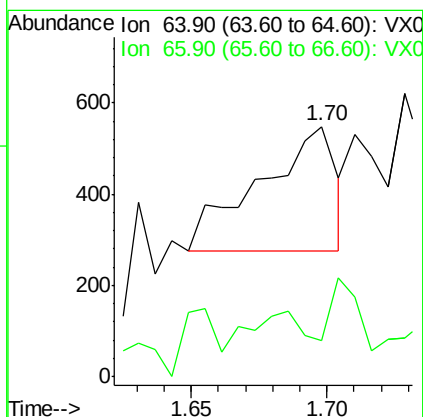
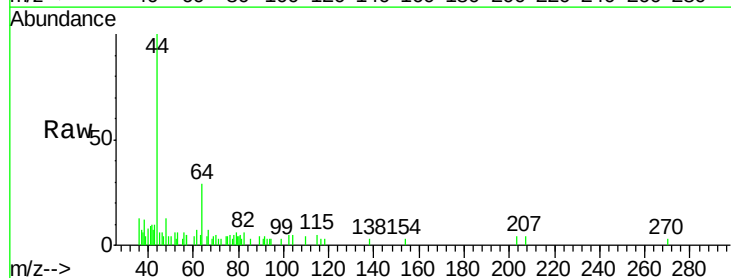
Acq: 20 Sep 2019 19:29

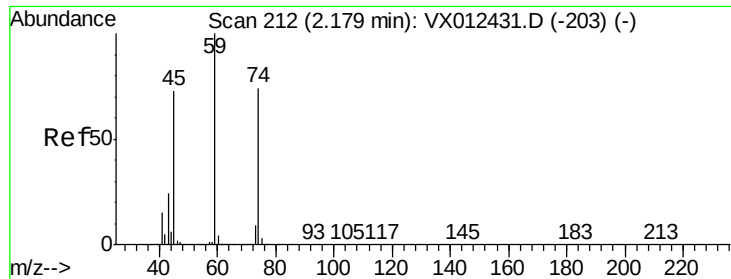
Tgt Ion: 64 Resp: 531

Ion Ratio Lower Upper

64 100

66 0.0 24.0 36.0#





#8

Diethyl Ether

Concen: 0.245 ug/l

RT: 2.11 min Scan# 201

Delta R.T. -0.07 min

Lab File: VX012568.D

Acq: 20 Sep 2019 19:29

Instrument :

MSVOA_X

ClientSampled :

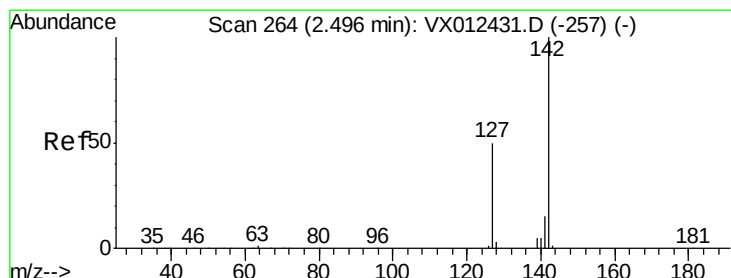
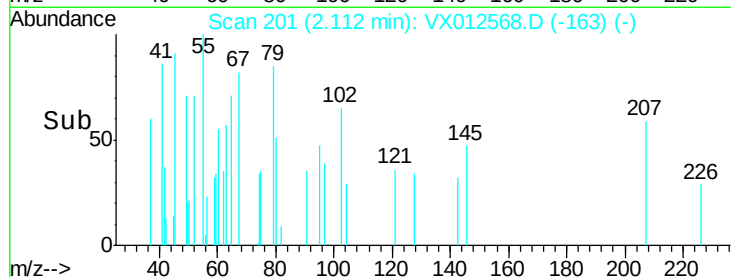
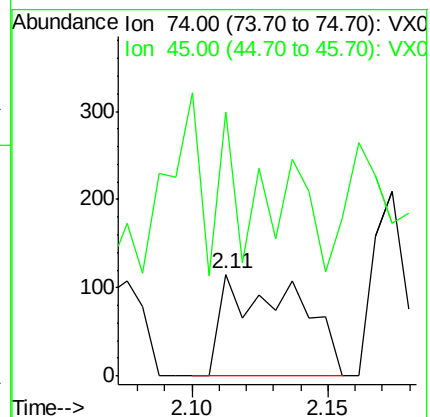
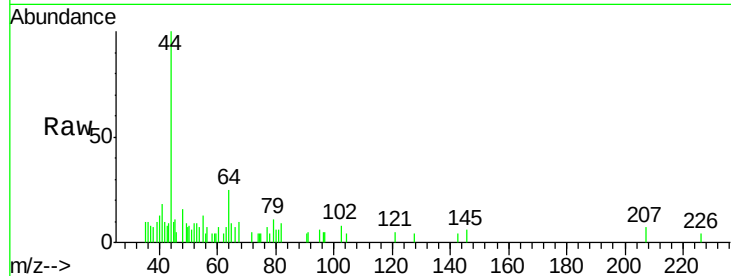
IBLK1

Tot Ion: 74 Resp: 214

Ion Ratio Lower Upper

74 100

45 86.9 49.9 149.7



#10

Methyl Iodide

Concen: 4.488 ug/l

RT: 2.50 min Scan# 265

Delta R.T. 0.01 min

Lab File: VX012568.D

Acq: 20 Sep 2019 19:29

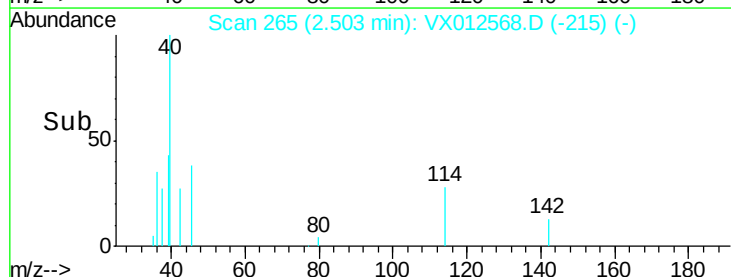
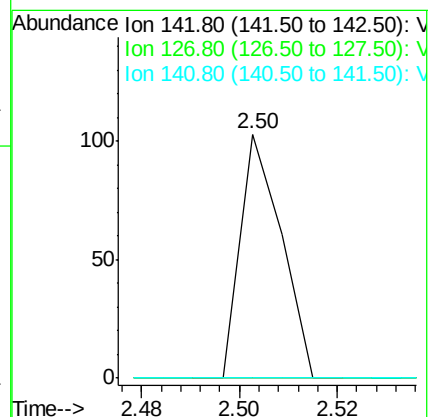
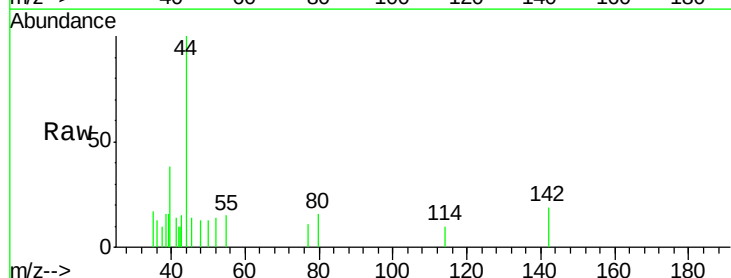
Tgt Ion: 142 Resp: 60

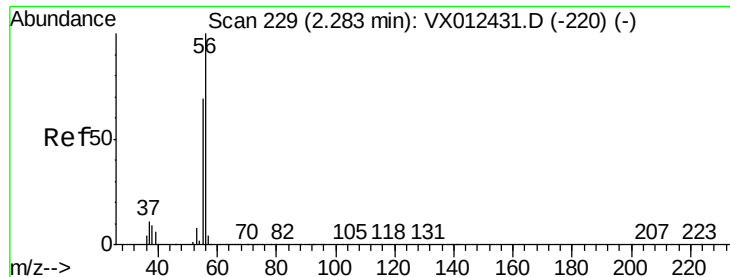
Ion Ratio Lower Upper

142 100

127 0.0 40.8 61.2#

141 0.0 12.1 18.1#





#13

Acrolein

Concen: Below Cal

RT: 2.32 min Scan# 235

Delta R.T. 0.04 min

Lab File: VX012568.D

Acq: 20 Sep 2019 19:29

Instrument :

MSVOA_X

ClientSampled :

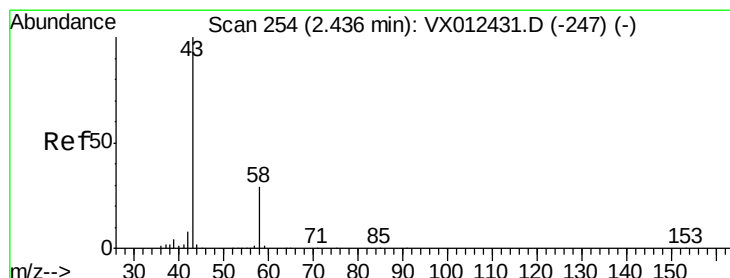
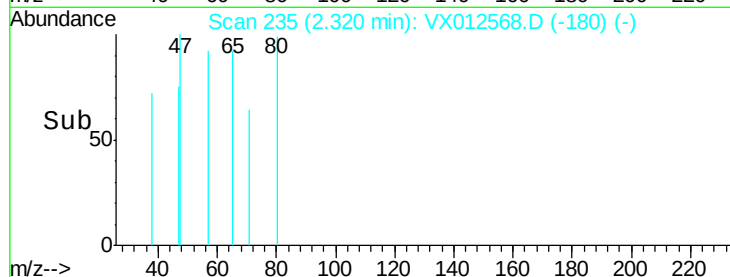
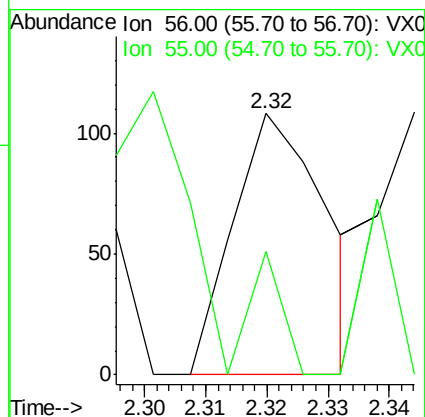
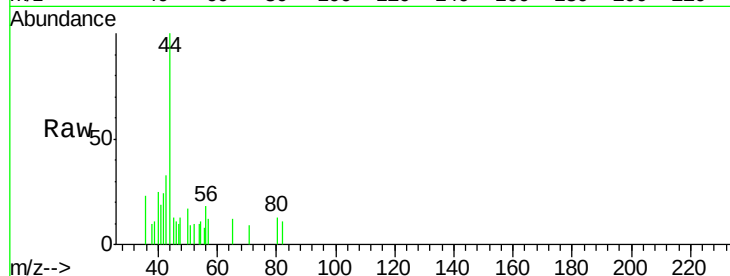
IBLK1

Tot Ion: 56 Resp: 113

Ion Ratio Lower Upper

56 100

55 0.0 55.8 83.8#



#16

Acetone

Concen: Below Cal

RT: 2.44 min Scan# 254

Delta R.T. 0.00 min

Lab File: VX012568.D

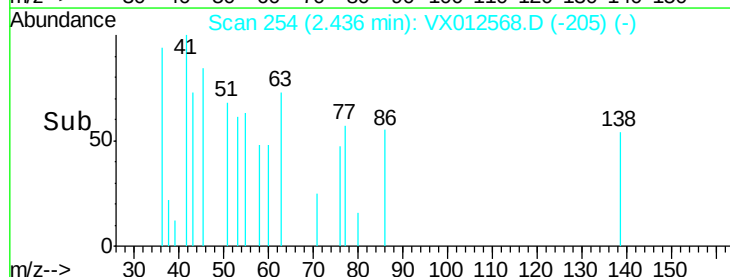
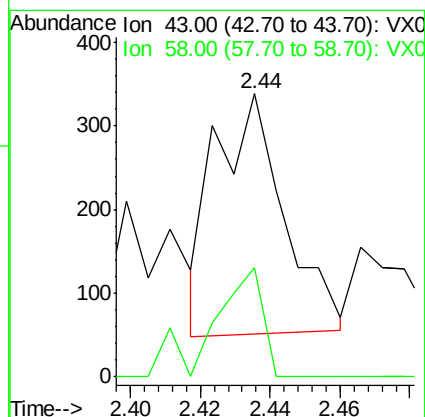
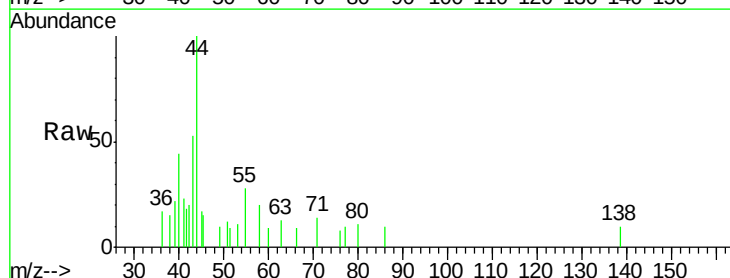
Acq: 20 Sep 2019 19:29

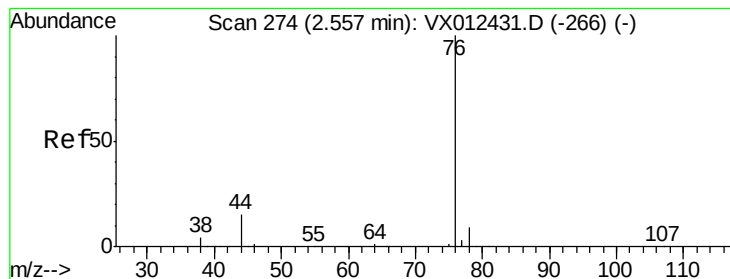
Tgt Ion: 43 Resp: 393

Ion Ratio Lower Upper

43 100

58 48.7 23.3 34.9#





#17

Carbon Disulfide

Concen: 1.853 ug/l

RT: 2.55 min Scan# 273

Delta R.T. -0.01 min

Lab File: VX012568.D

Acq: 20 Sep 2019 19:29

Instrument :

MSVOA_X

ClientSampled :

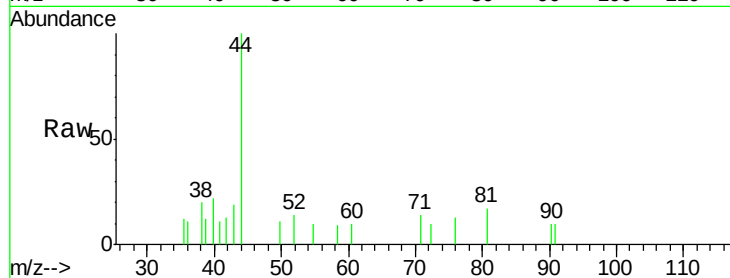
IBLK1

Tot Ion: 76 Resp: 76

Ion Ratio Lower Upper

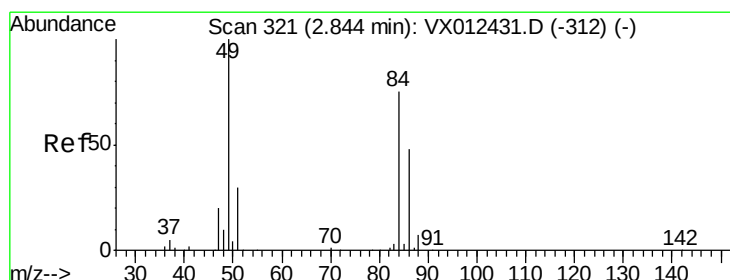
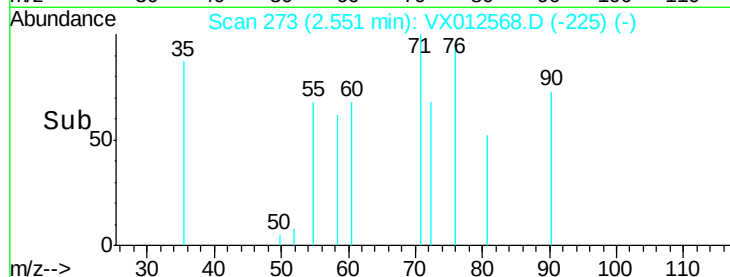
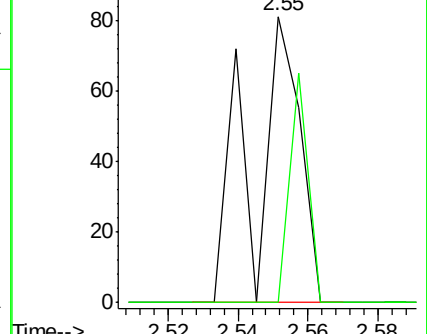
76 100

78 0.0 7.3 10.9#



Abundance Ion 75.90 (75.60 to 76.60): VX0

Ion 77.90 (77.60 to 78.60): VX0



#20

Methylene Chloride

Concen: 0.301 ug/l

RT: 2.85 min Scan# 322

Delta R.T. 0.01 min

Lab File: VX012568.D

Acq: 20 Sep 2019 19:29

Tgt Ion: 84 Resp: 464

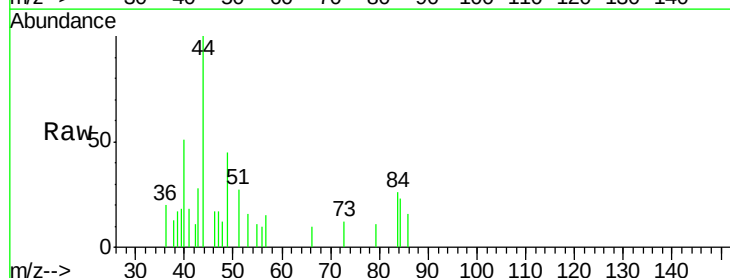
Ion Ratio Lower Upper

84 100

49 92.8 106.8 160.2#

51 31.3 32.3 48.5#

86 32.9 51.3 76.9#

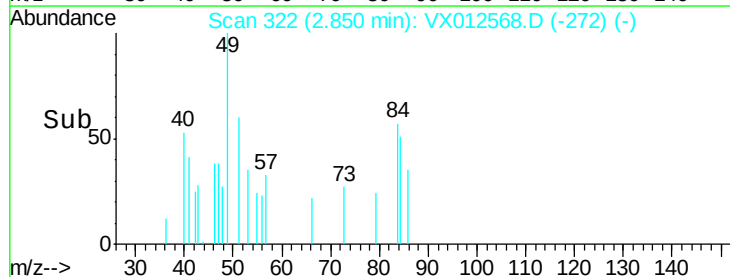
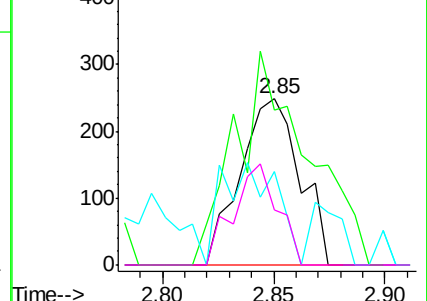


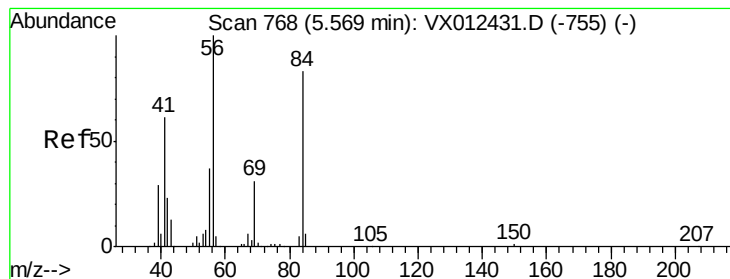
Abundance Ion 83.90 (83.60 to 84.60): VX0

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





#31

Cyclohexane

Concen: 2.520 ug/l

RT: 5.65 min Scan# 781

Delta R.T. 0.08 min

Lab File: VX012568.D

Acq: 20 Sep 2019 19:29

Instrument :

MSVOA_X

ClientSampled :

IBLK1

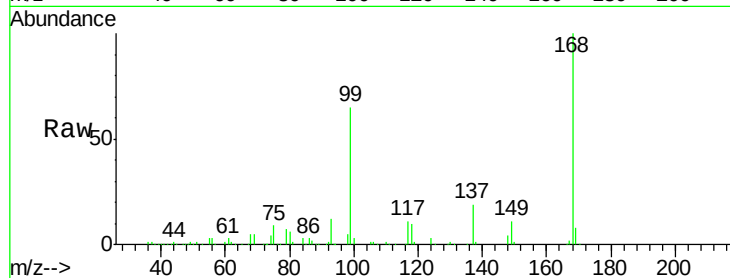
Tot Ion: 56 Resp: 4435

Ion Ratio Lower Upper

56 100

69 172.6 25.0 37.6#

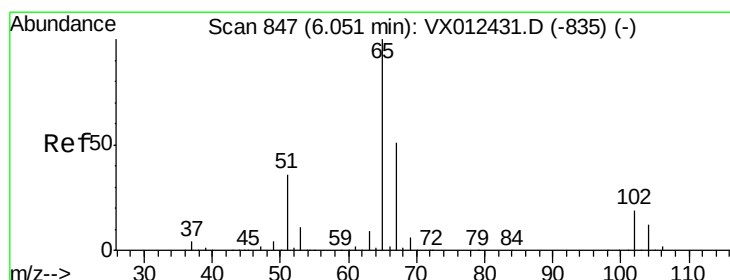
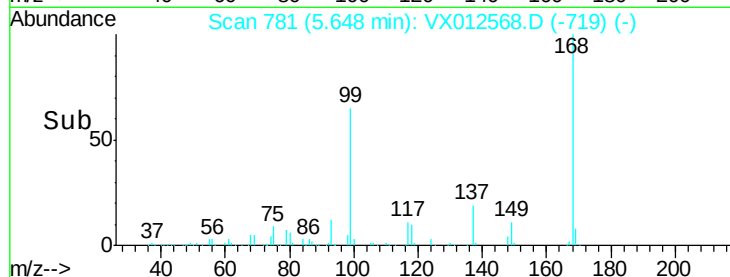
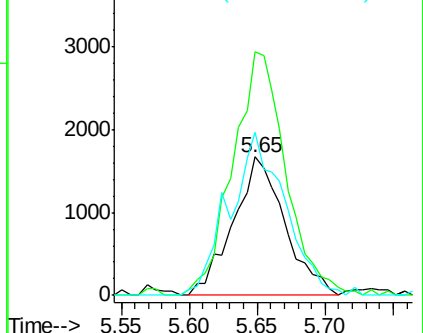
84 113.3 66.4 99.6#



Abundance Ion 56.00 (55.70 to 56.70): VX0

Ion 69.00 (68.70 to 69.70): VX0

Ion 84.00 (83.70 to 84.70): VX0



#33

1,2-Dichloroethane-d4

Concen: 47.478 ug/l

RT: 6.06 min Scan# 848

Delta R.T. 0.01 min

Lab File: VX012568.D

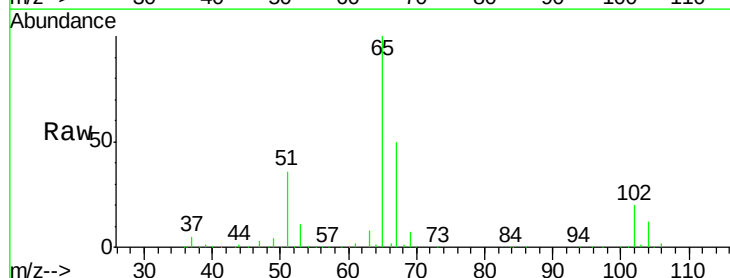
Acq: 20 Sep 2019 19:29

Tgt Ion: 65 Resp: 120990

Ion Ratio Lower Upper

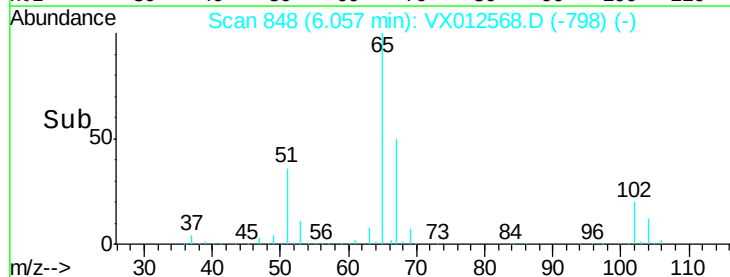
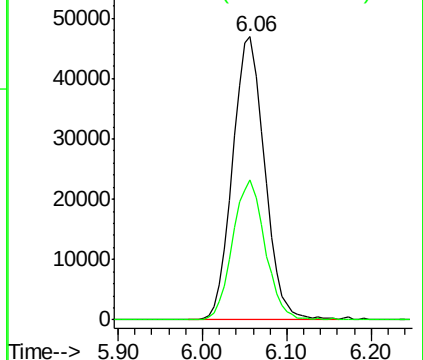
65 100

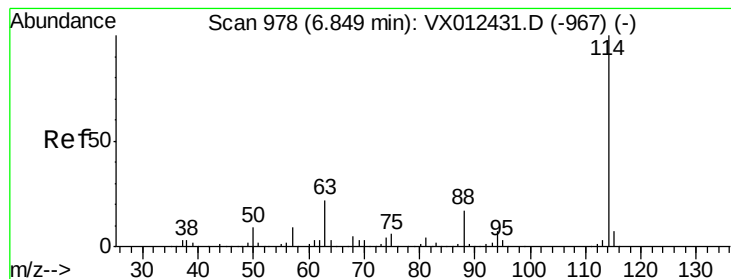
67 49.8 0.0 101.2



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: VX012568.D

Acq: 20 Sep 2019 19:29

Instrument :

MSVOA_X

ClientSampleId :

IBLK1

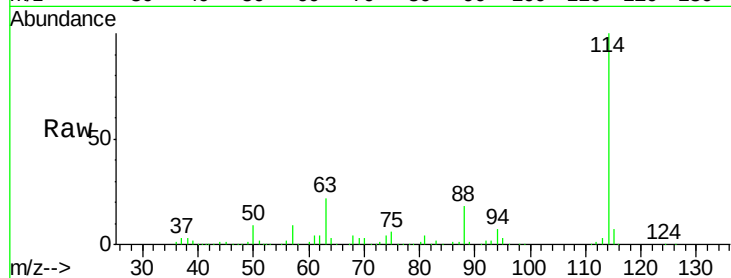
Tot Ion:114 Resp: 285377

Ion Ratio Lower Upper

114 100

63 22.2 0.0 43.2

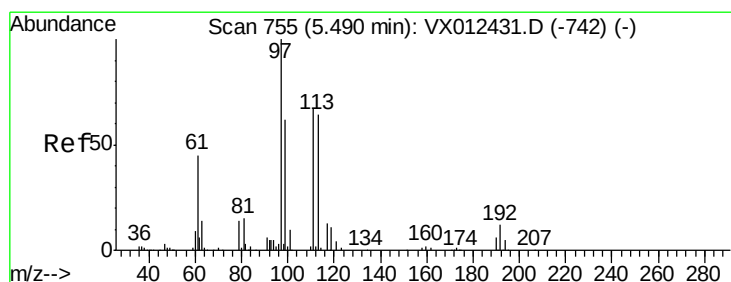
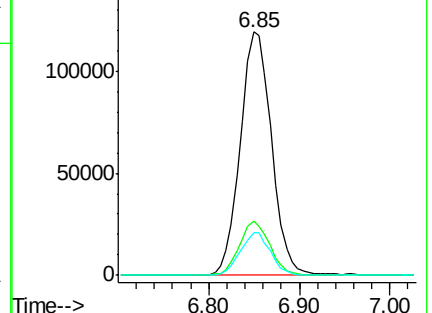
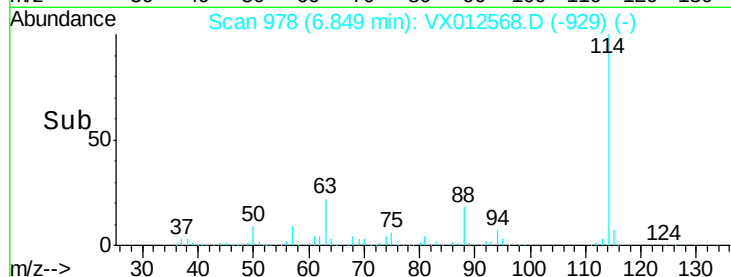
88 17.6 0.0 33.2



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: 48.928 ug/l

RT: 5.49 min Scan# 755

Delta R.T. 0.00 min

Lab File: VX012568.D

Acq: 20 Sep 2019 19:29

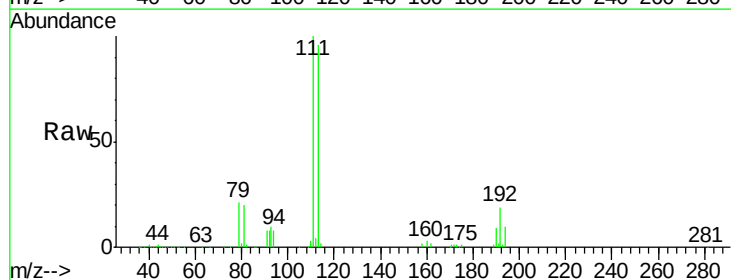
Tgt Ion:113 Resp: 84512

Ion Ratio Lower Upper

113 100

111 103.8 83.4 125.2

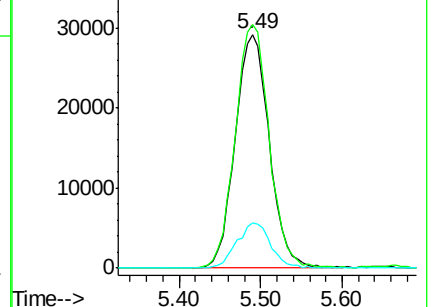
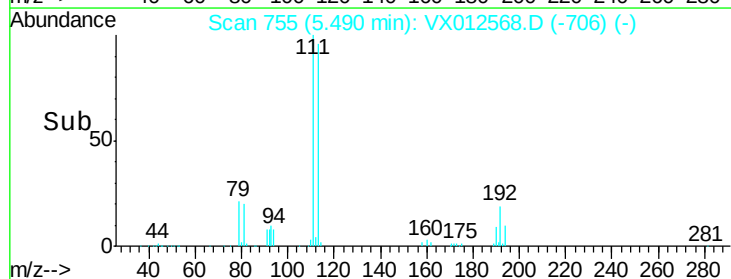
192 19.5 14.4 21.6

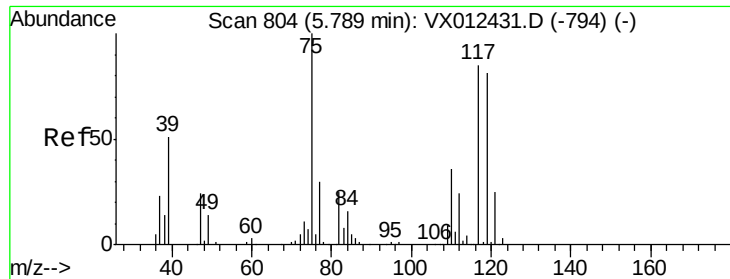


Abundance Ion 112.80 (112.50 to 113.50): V

Ion 110.80 (110.50 to 111.50): V

Ion 191.70 (191.40 to 192.40): V

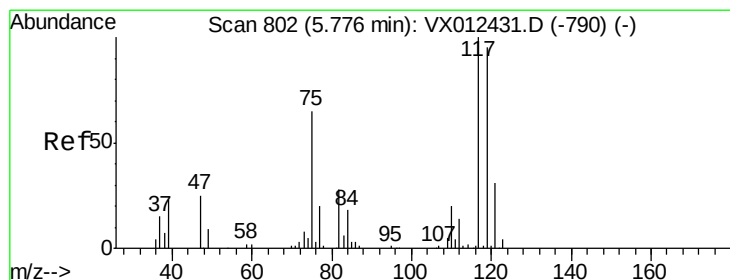
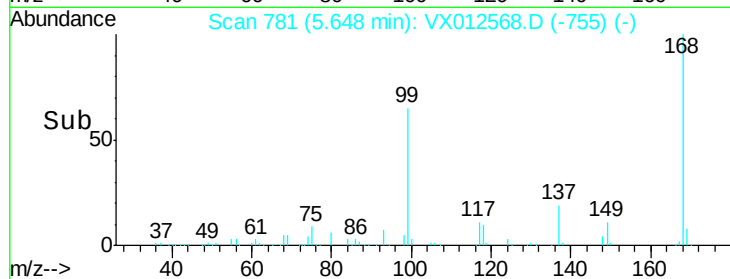
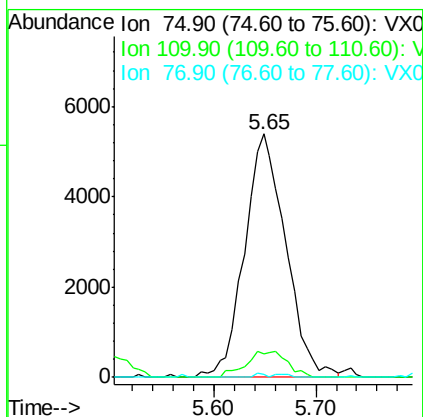
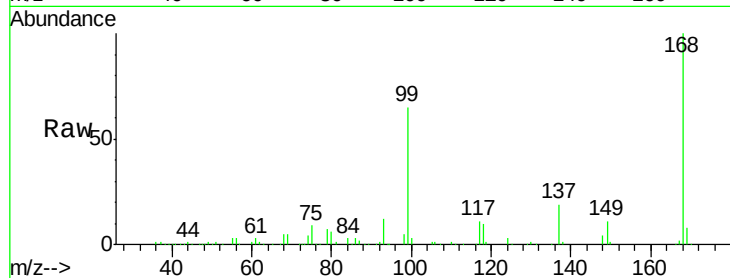




#36
 1,1-Dichloropropene
 Concen: 8.717 ug/l
 RT: 5.65 min Scan# 781
 Delta R.T. -0.14 min
 Lab File: VX012568.D
 Acq: 20 Sep 2019 19:29

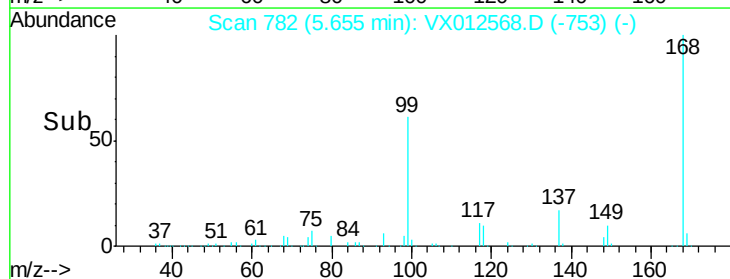
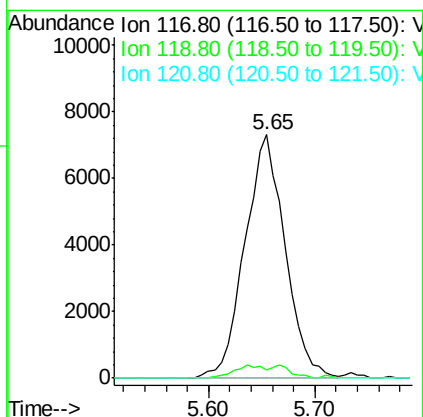
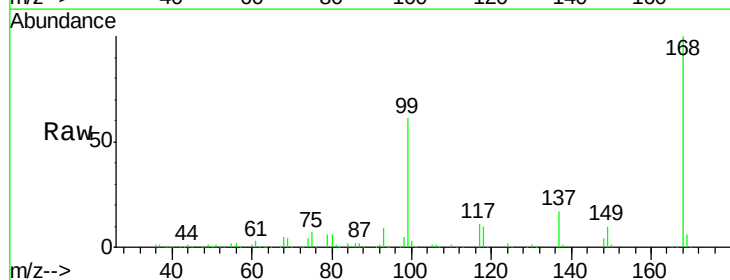
Instrument :
 MSVOA_X
 ClientSampleId :
 IBLK1

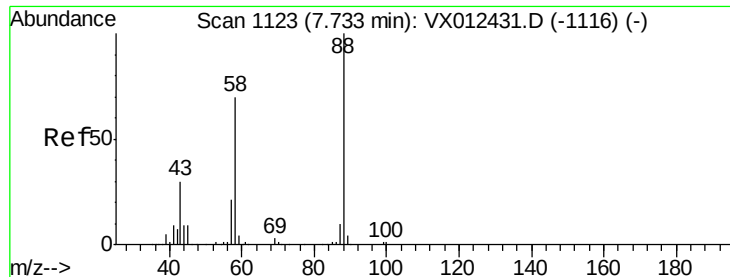
Tot Ion: 75 Resp: 15119
 Ion Ratio Lower Upper
 75 100
 110 0.0 16.7 50.0#
 77 0.3 24.2 36.2#



#38
 Carbon Tetrachloride
 Concen: 8.960 ug/l
 RT: 5.65 min Scan# 782
 Delta R.T. -0.12 min
 Lab File: VX012568.D
 Acq: 20 Sep 2019 19:29

Tgt Ion: 117 Resp: 19327
 Ion Ratio Lower Upper
 117 100
 119 3.2 75.7 113.5#
 121 0.0 24.2 36.4#





#49

1,4-Dioxane

Concen: 0.876 ug/l

RT: 7.81 min Scan# 1135

Delta R.T. 0.07 min

Lab File: VX012568.D

Acq: 20 Sep 2019 19:29

Instrument :

MSVOA_X

ClientSampleId :

IBLK1

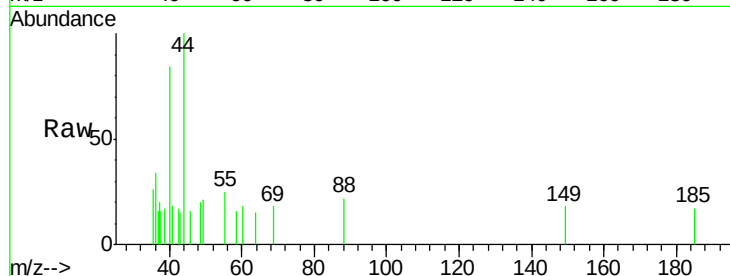
Tot Ion: 88 Resp: 48

Ion Ratio Lower Upper

88 100

43 112.5 29.4 44.0#

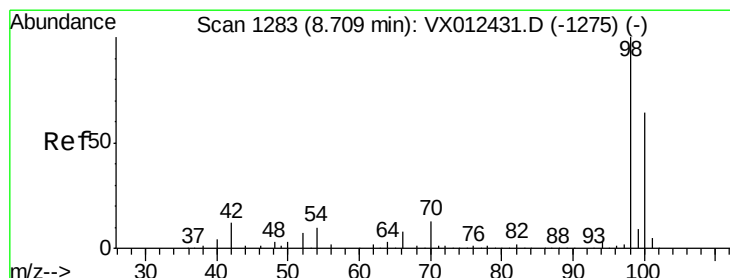
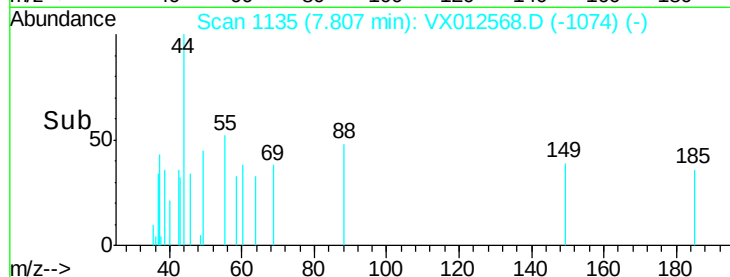
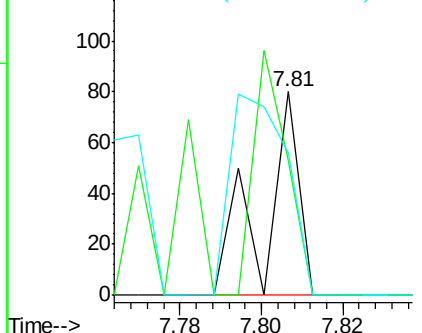
58 158.3 57.5 86.3#



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: 51.648 ug/l

RT: 8.71 min Scan# 1283

Delta R.T. 0.00 min

Lab File: VX012568.D

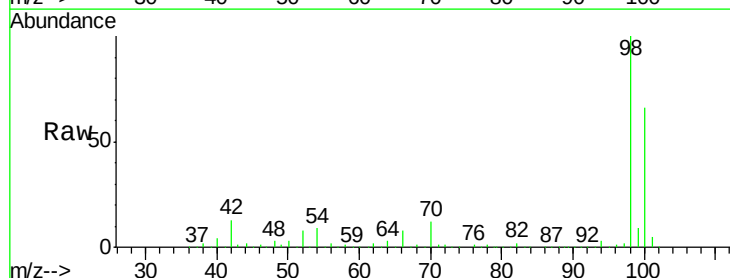
Acq: 20 Sep 2019 19:29

Tgt Ion: 98 Resp: 330205

Ion Ratio Lower Upper

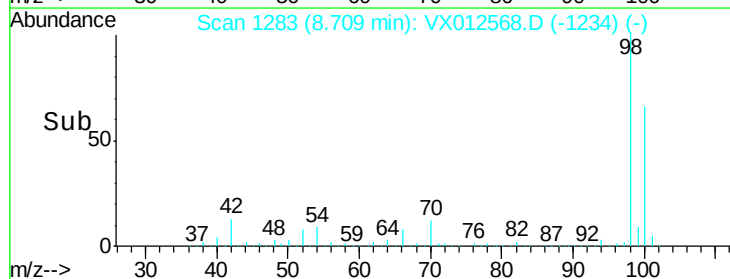
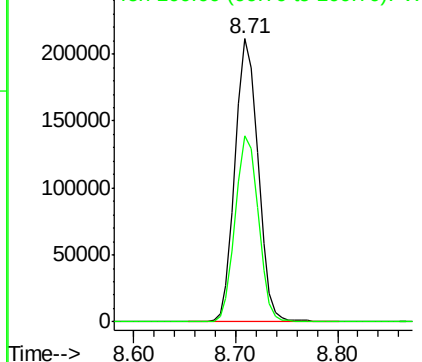
98 100

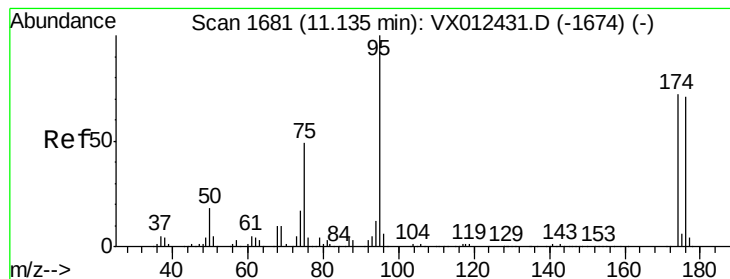
100 66.0 53.4 80.2



Abundance Ion 98.00 (97.70 to 98.70): VX0

Ion 100.00 (99.70 to 100.70): VX0





#62

4-Bromofluorobenzene

Concen: 44.970 ug/l

RT: 11.14 min Scan# 1681

Delta R.T. 0.00 min

Lab File: VX012568.D

Acq: 20 Sep 2019 19:29

Instrument :

MSVOA_X

ClientSampleId :

IBLK1

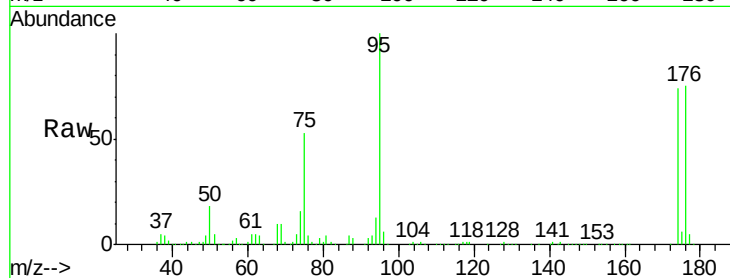
Tot Ion: 95 Resp: 119376

Ion Ratio Lower Upper

95 100

174 71.9 0.0 140.0

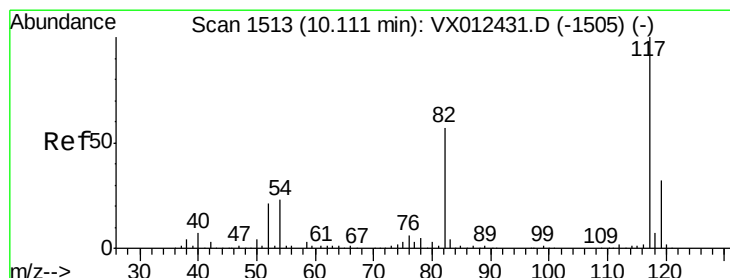
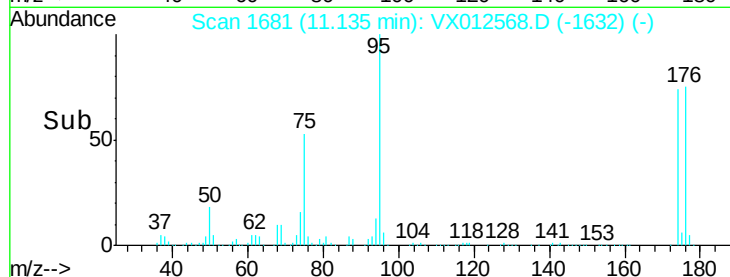
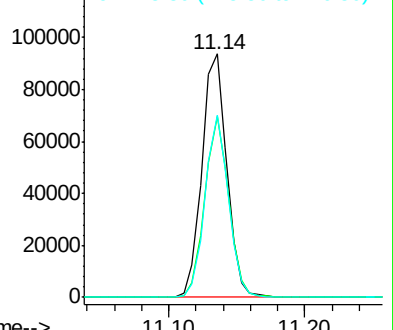
176 70.4 0.0 135.4



Abundance Ion 94.90 (94.60 to 95.60): VX0

Ion 173.80 (173.50 to 174.50): V

Ion 175.80 (175.50 to 176.50): V



#63

Chlorobenzene-d5

Concen: 50.000 ug/l

RT: 10.11 min Scan# 1513

Delta R.T. 0.00 min

Lab File: VX012568.D

Acq: 20 Sep 2019 19:29

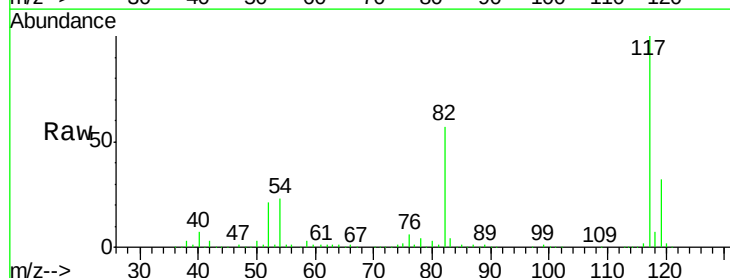
Tgt Ion: 117 Resp: 246970

Ion Ratio Lower Upper

117 100

82 57.4 45.9 68.9

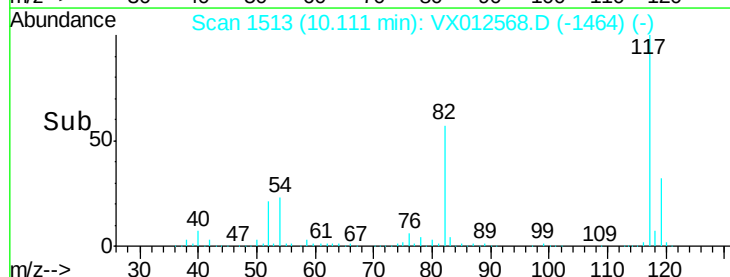
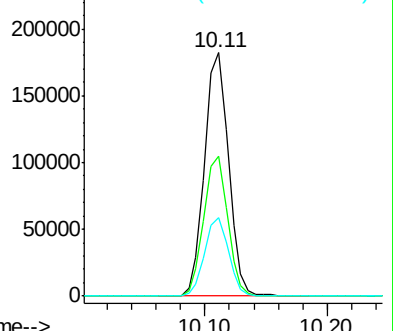
119 32.0 25.3 37.9

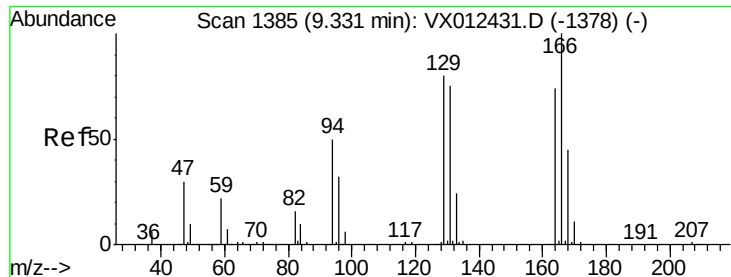


Abundance Ion 116.90 (116.60 to 117.60): V

Ion 82.00 (81.70 to 82.70): VX0

Ion 118.90 (118.60 to 119.60): V

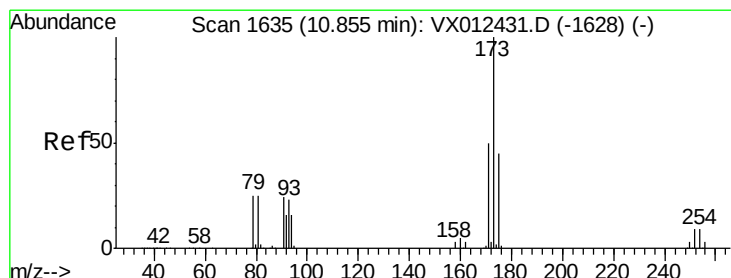
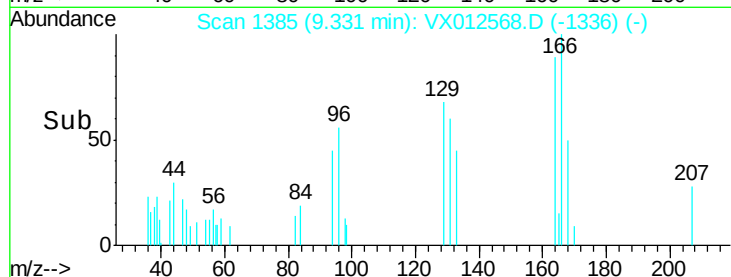
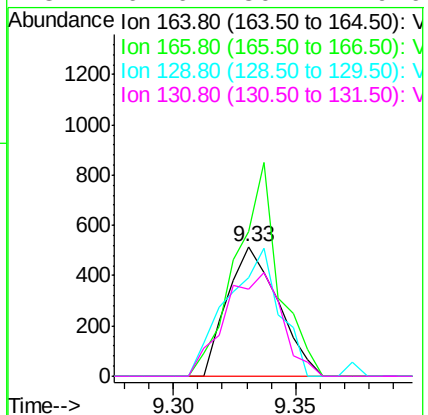
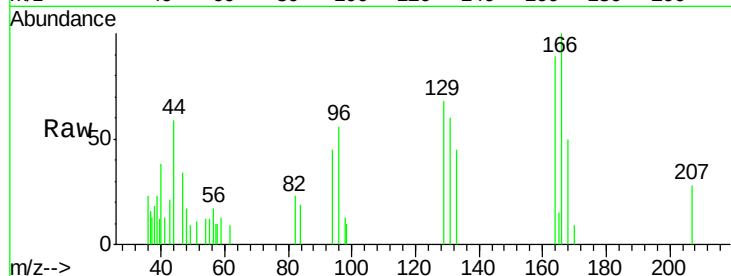




#64
Tetrachloroethene
Concen: 0.661 ug/l
RT: 9.33 min Scan# 1385
Delta R.T. 0.00 min
Lab File: VX012568.D
Acq: 20 Sep 2019 19:29

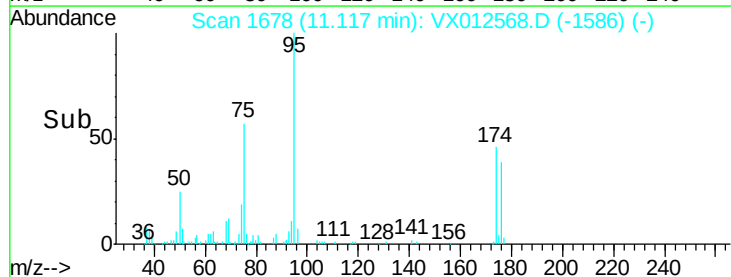
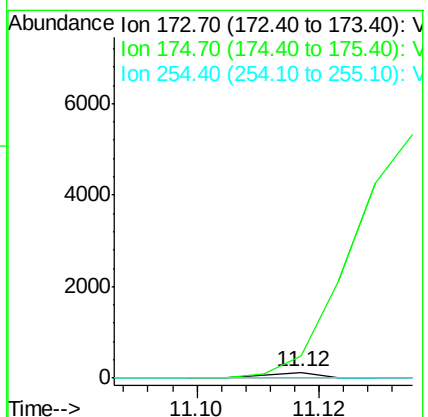
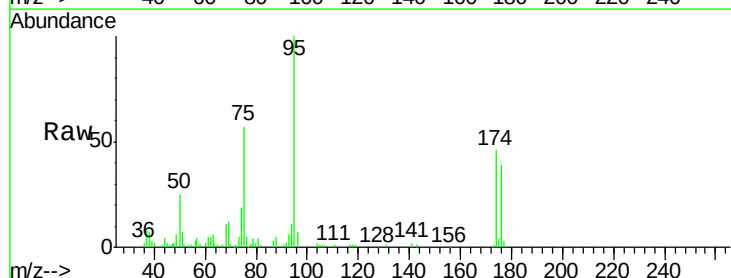
Instrument :
MSVOA_X
ClientSampleId :
IBLK1

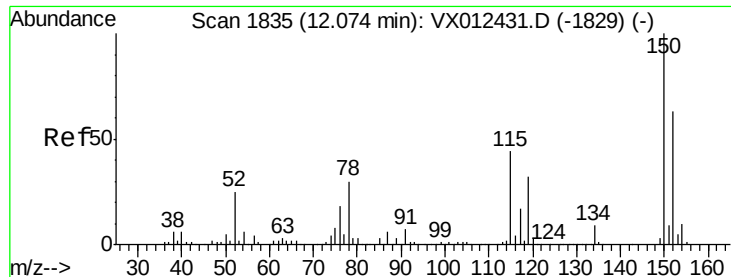
Tot Ion:164 Resp: 748
Ion Ratio Lower Upper
164 100
166 111.8 107.8 161.6
129 76.5 86.2 129.2#
131 67.6 80.4 120.6#



#71
Bromoform
Concen: 2.914 ug/l
RT: 11.12 min Scan# 1678
Delta R.T. 0.26 min
Lab File: VX012568.D
Acq: 20 Sep 2019 19:29

Tgt Ion:173 Resp: 69
Ion Ratio Lower Upper
173 100
175 0.0 23.7 71.1#
254 0.0 0.1 0.1#





#72

1,4-Dichlorobenzene-d4

Concen: 50.000 ug/l

RT: 12.07 min Scan# 1835

Delta R.T. 0.00 min

Lab File: VX012568.D

Acq: 20 Sep 2019 19:29

Instrument :

MSVOA_X

ClientSampleId :

IBLK1

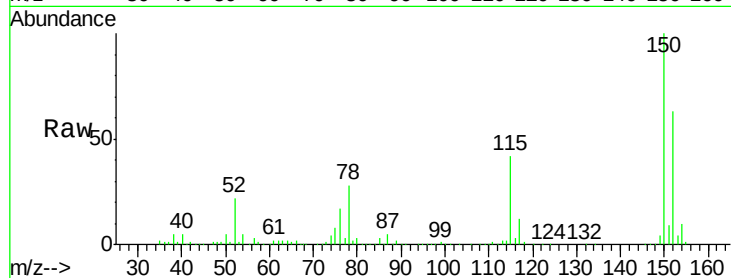
Tot Ion:152 Resp: 100908

Ion Ratio Lower Upper

152 100

115 63.7 44.1 132.3

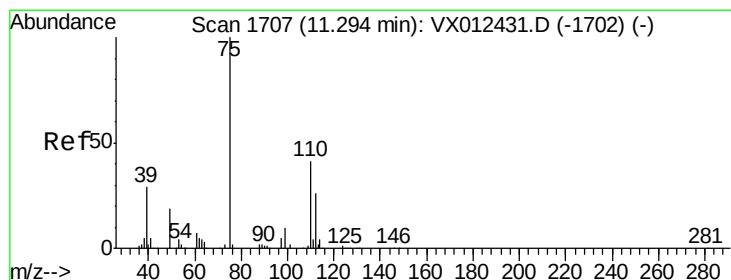
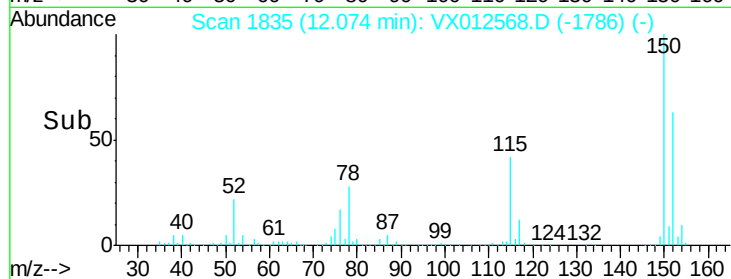
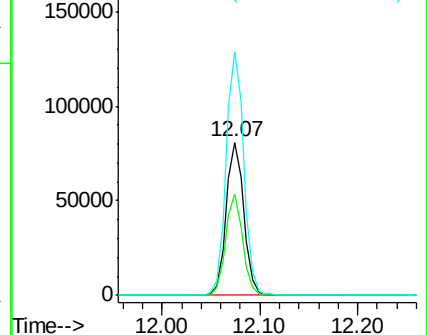
150 159.1 0.0 343.8



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: 27.148 ug/l

RT: 11.14 min Scan# 1681

Delta R.T. -0.16 min

Lab File: VX012568.D

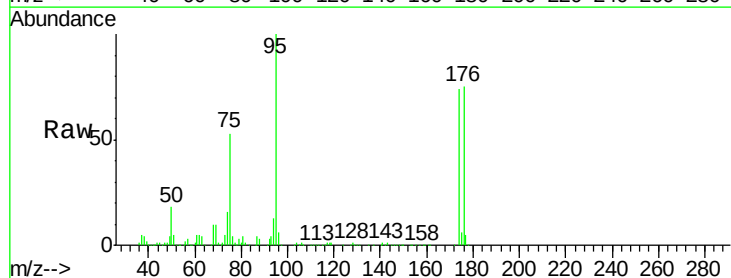
Acq: 20 Sep 2019 19:29

Tgt Ion: 75 Resp: 62928

Ion Ratio Lower Upper

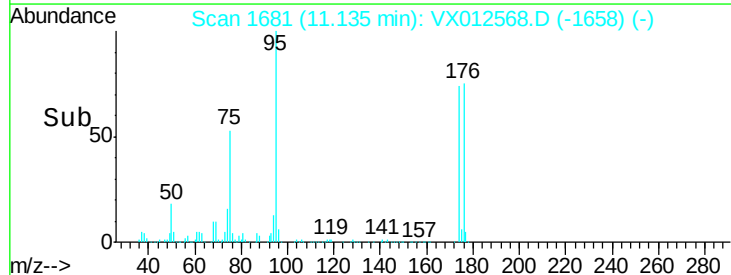
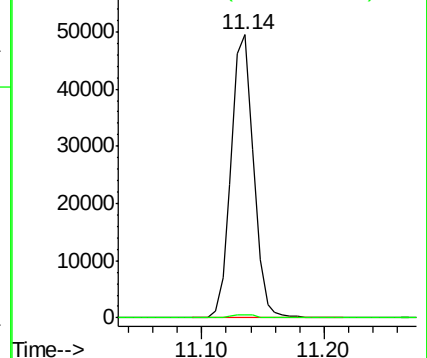
75 100

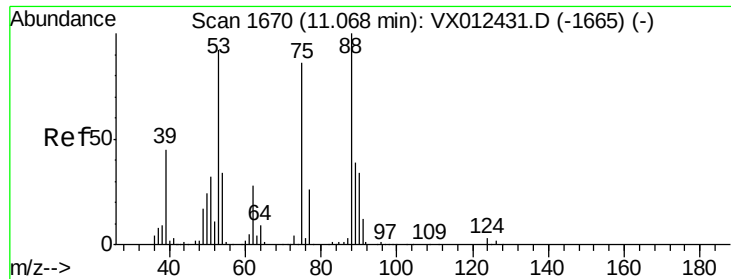
77 1.6 19.7 59.0#



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: 73.013 ug/l

RT: 11.14 min Scan# 1681

Delta R.T. 0.07 min

Lab File: VX012568.D

Acq: 20 Sep 2019 19:29

Instrument :

MSVOA_X

ClientSampleId :

IBLK1

Tot Ion: 75 Resp: 62928

Ion Ratio Lower Upper

75 100

53 0.2 83.6 125.4#

89 0.0 36.3 54.5#

