

Data Path : Z:\VOASRV\HPCHEM1\MSVOA X\DATA\VX062620\
 Data File : VX016981.D
 Acq On : 26 Jun 2020 14:21
 Operator : JC/SP
 Sample : IBLK
 Misc : 5.0mL/MSVOA X/WATER
 ALS Vial : 14 Sample Multiplier: 1

Instrument :
 MSVOA_X
 ClientSampleId :
 IBLK

Quant Time: Jun 27 04:23:11 2020
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_X\METHOD\82X062620W.M
 Quant Title : SW846 8260
 QLast Update : Fri Jun 26 08:34:16 2020
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Pentafluorobenzene	5.63	168	217737	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	6.83	114	390788	50.00	ug/l	0.00
63) Chlorobenzene-d5	10.10	117	395063	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	12.06	152	204697	50.00	ug/l	0.00

System Monitoring Compounds	R.T.	QIon	Response	Conc	Units	Dev(Min)
33) 1,2-Dichloroethane-d4	6.03	65	178697	54.35	ug/l	0.00
Spiked Amount			Recovery	=	108.70%	
35) Dibromofluoromethane	5.47	113	129710	50.25	ug/l	0.00
Spiked Amount			Recovery	=	100.50%	
50) Toluene-d8	8.70	98	495510	52.37	ug/l	0.00
Spiked Amount			Recovery	=	104.74%	
62) 4-Bromofluorobenzene	11.12	95	208241	56.92	ug/l	0.00
Spiked Amount			Recovery	=	113.84%	

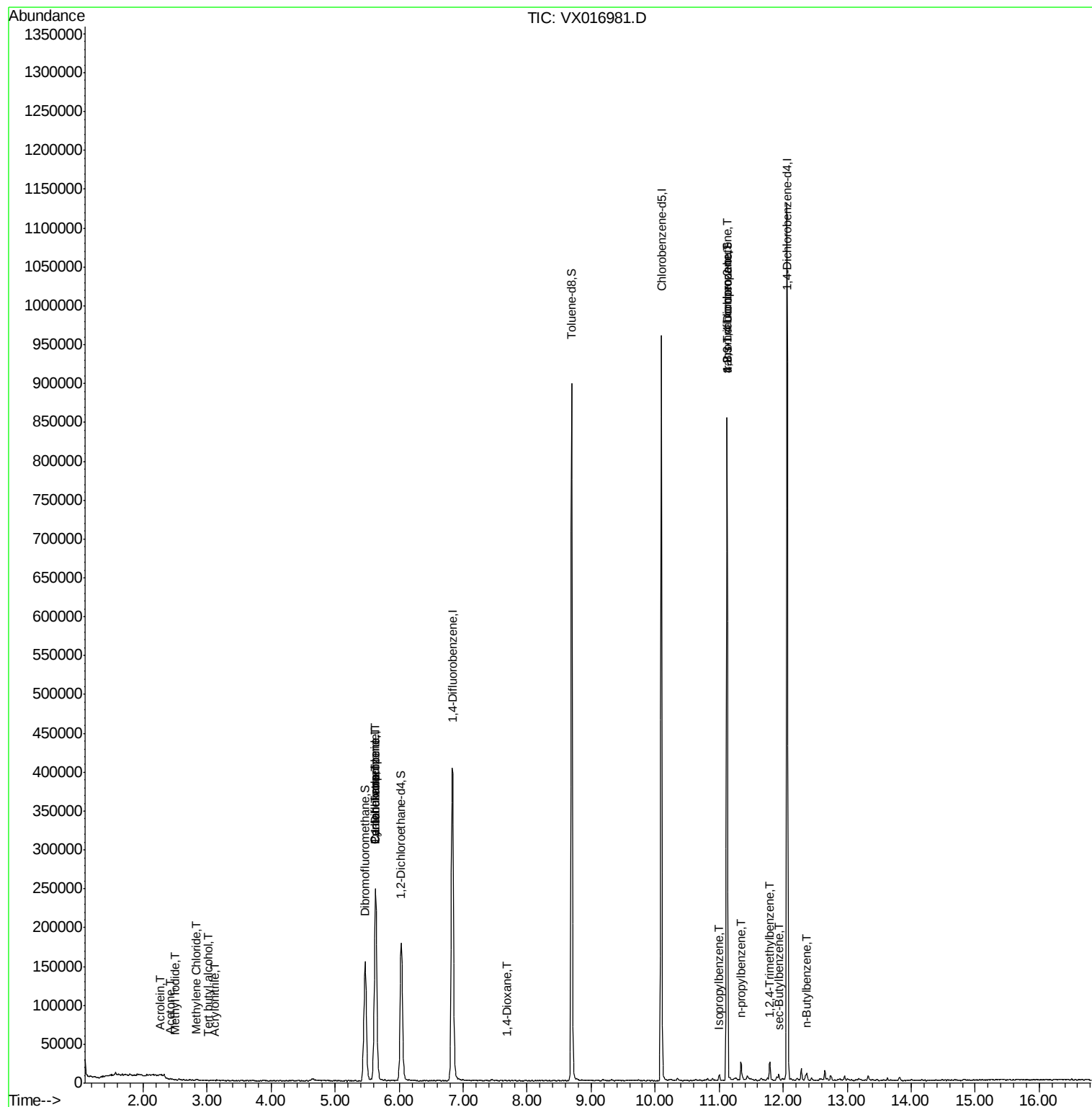
Target Compounds	R.T.	QIon	Response	Conc	Units	Qvalue
5) Bromomethane	1.62	94	117	Below Cal	#	26
10) Methyl Iodide	2.51	142	141	2.828	ug/l #	67
11) Tert butyl alcohol	3.02	59	168	0.271	ug/l #	92
13) Acrolein	2.27	56	288	0.626	ug/l #	39
15) Acrylonitrile	3.13	53	311	0.216	ug/l #	66
16) Acetone	2.42	43	499	0.388	ug/l #	85
20) Methylene Chloride	2.84	84	706	0.242	ug/l #	59
31) Cyclohexane	5.63	56	5635	1.365	ug/l #	28
36) 1,1-Dichloropropene	5.64	75	19607	5.067	ug/l #	50
38) Carbon Tetrachloride	5.63	117	23590	5.760	ug/l #	16
49) 1,4-Dioxane	7.68	88	42	0.618	ug/l #	1
73) Isopropylbenzene	11.00	105	3757	0.267	ug/l	99
76) 1,2,3-Trichloropropane	11.12	75	115604	26.911	ug/l #	36
78) n-propylbenzene	11.34	91	12949	0.778	ug/l	95
81) trans-1,4-Dichloro-2-buten	11.12	75	115604	68.323	ug/l #	9
84) 1,2,4-Trimethylbenzene	11.79	105	9729	0.821	ug/l	100
85) sec-Butylbenzene	11.93	105	3430	0.258	ug/l	93
89) n-Butylbenzene	12.37	91	2944	0.257	ug/l #	87

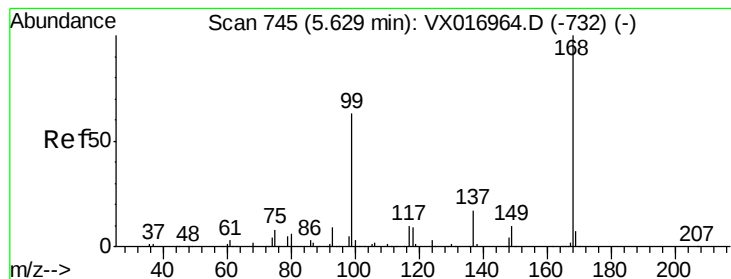
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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#1

Pentafluorobenzene

Concen: 50.000 ug/l

RT: 5.63 min Scan# 745

Delta R.T. -0.00 min

Lab File: VX016981.D

Acq: 26 Jun 2020 14:21

Instrument :

MSVOA_X

ClientSampleId :

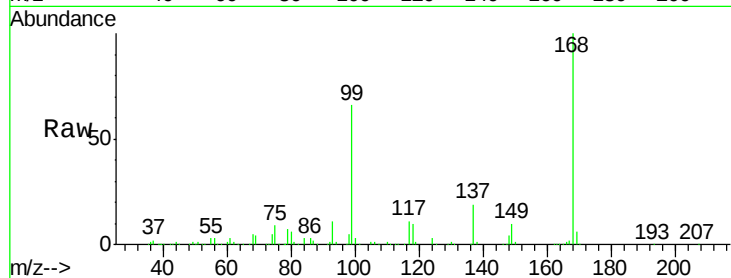
IBLK

Tot Ion:168 Resp: 217737

Ion Ratio Lower Upper

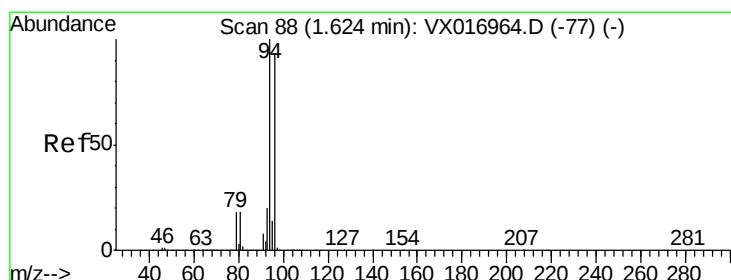
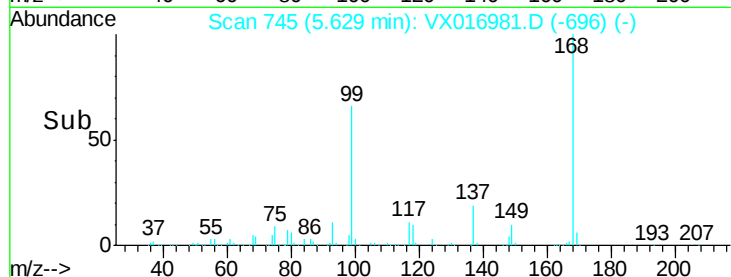
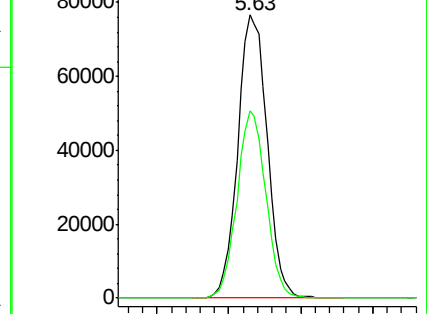
168 100

99 66.4 50.2 75.2



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: 1.62 min Scan# 87

Delta R.T. -0.01 min

Lab File: VX016981.D

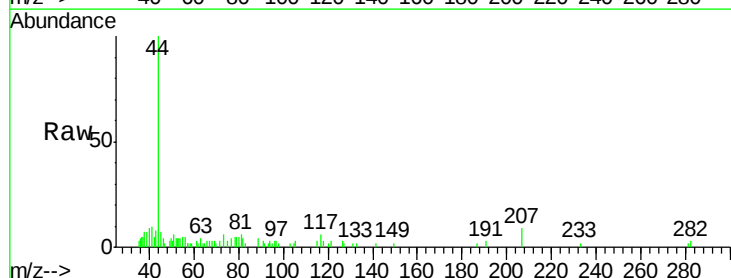
Acq: 26 Jun 2020 14:21

Tgt Ion: 94 Resp: 117

Ion Ratio Lower Upper

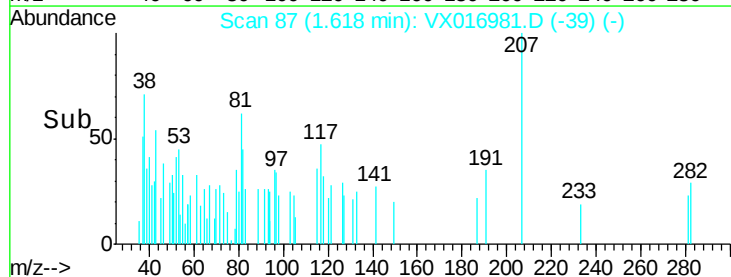
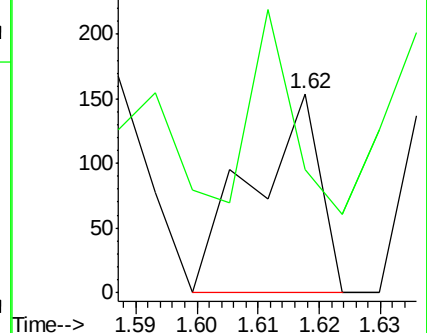
94 100

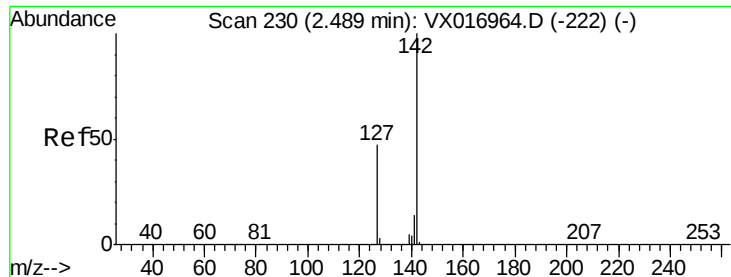
96 22.1 74.2 111.2#



Abundance Ion 93.90 (93.60 to 94.60): VX0

Ion 95.90 (95.60 to 96.60): VX0

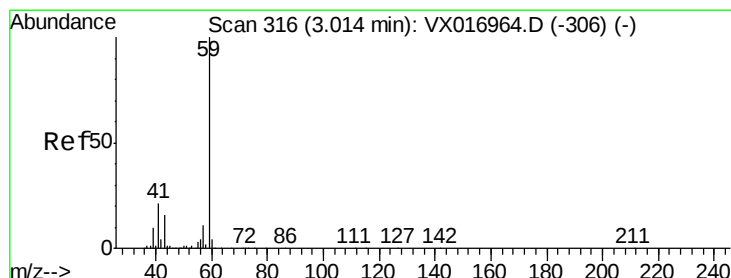
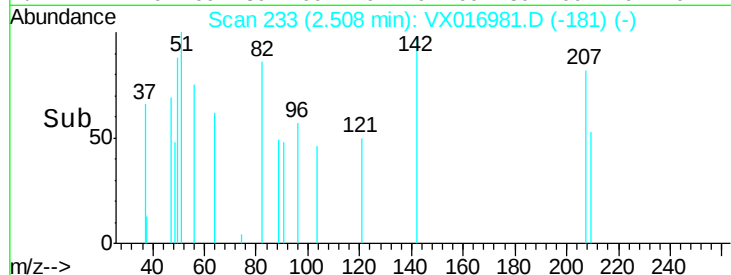
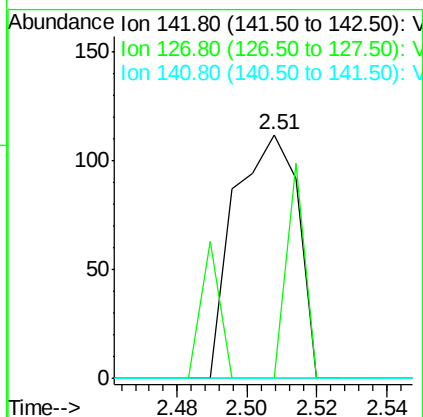
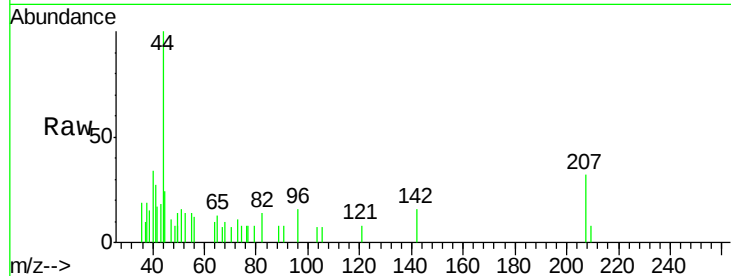




#10
Methyl Iodide
Concen: 2.828 ug/l
RT: 2.51 min Scan# 233
Delta R.T. 0.02 min
Lab File: VX016981.D
Acq: 26 Jun 2020 14:21

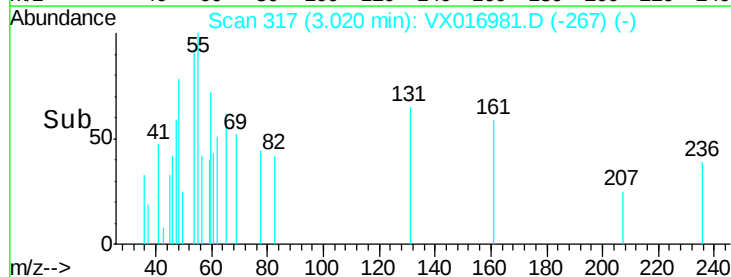
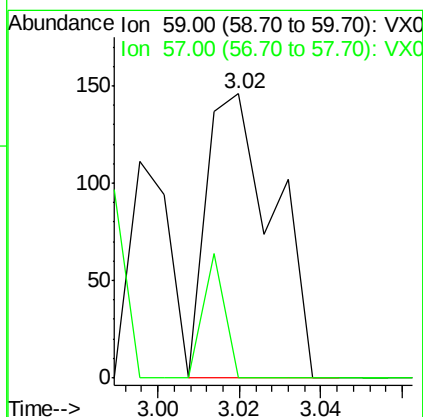
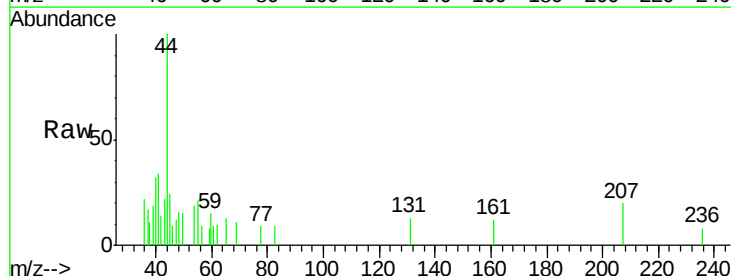
Instrument :
MSVOA_X
ClientSampled :
IBLK

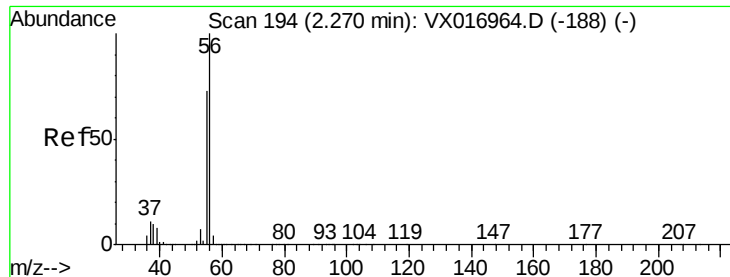
Tot Ion:142 Resp: 141
Ion Ratio Lower Upper
142 100
127 25.5 37.4 56.0#
141 0.0 11.7 17.5#



#11
Tert butyl alcohol
Concen: 0.271 ug/l
RT: 3.02 min Scan# 317
Delta R.T. 0.01 min
Lab File: VX016981.D
Acq: 26 Jun 2020 14:21

Tgt Ion: 59 Resp: 168
Ion Ratio Lower Upper
59 100
57 13.7 8.5 12.7#





#13

Acrolein

Concen: 0.626 ug/l

RT: 2.27 min Scan# 194

Delta R.T. 0.00 min

Lab File: VX016981.D

Acq: 26 Jun 2020 14:21

Instrument :

MSVOA_X

ClientSampleId :

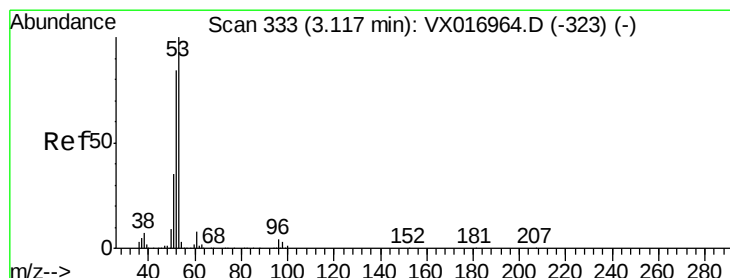
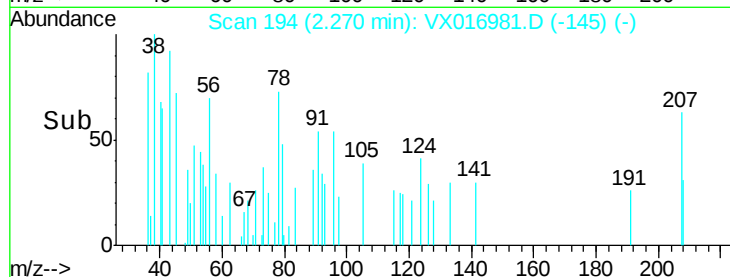
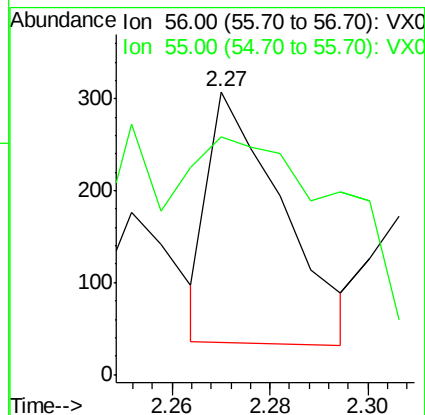
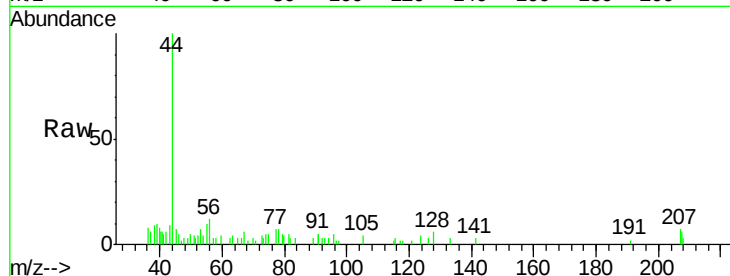
IBLK

Tot Ion: 56 Resp: 288

Ion Ratio Lower Upper

56 100

55 122.9 57.5 86.3#



#15

Acrylonitrile

Concen: 0.216 ug/l

RT: 3.13 min Scan# 335

Delta R.T. 0.01 min

Lab File: VX016981.D

Acq: 26 Jun 2020 14:21

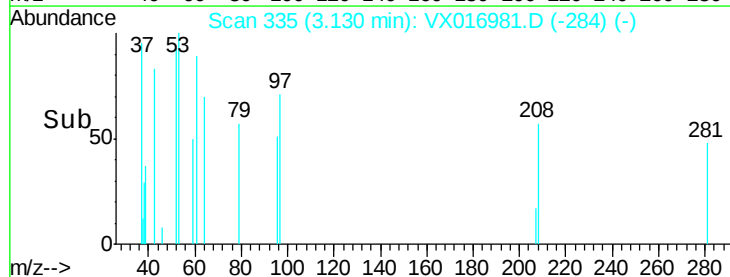
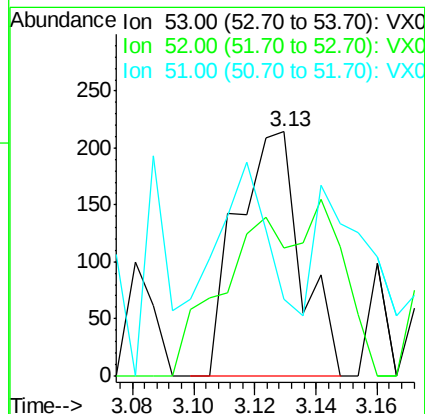
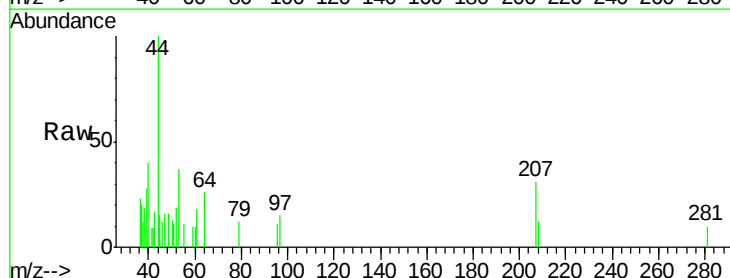
Tgt Ion: 53 Resp: 311

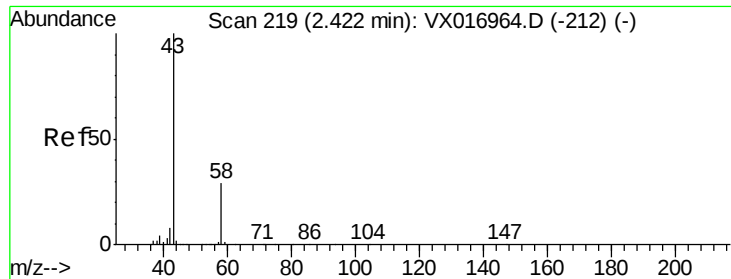
Ion Ratio Lower Upper

53 100

52 67.5 66.3 99.5

51 79.7 29.0 43.6#





#16

Acetone

Concen: 0.388 ug/l

RT: 2.42 min Scan# 219

Delta R.T. 0.00 min

Lab File: VX016981.D

Acq: 26 Jun 2020 14:21

Instrument :

MSVOA_X

ClientSampleId :

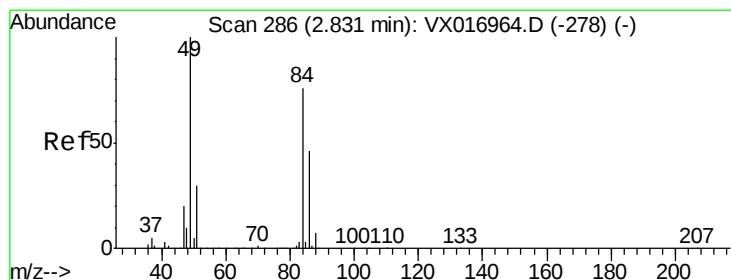
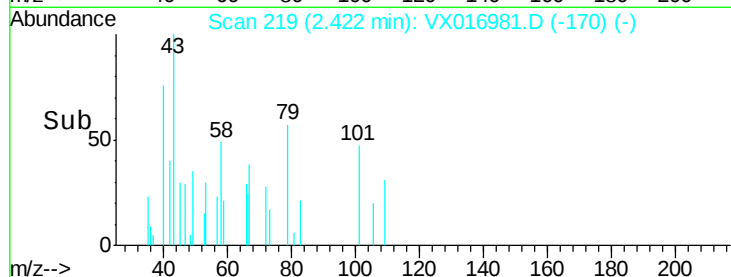
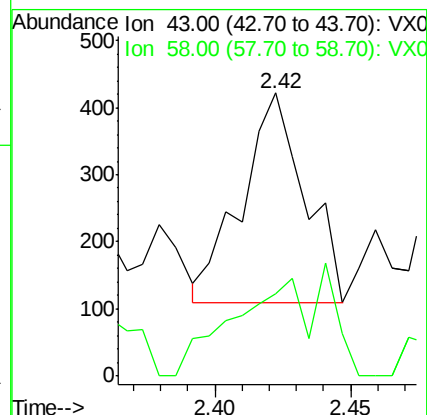
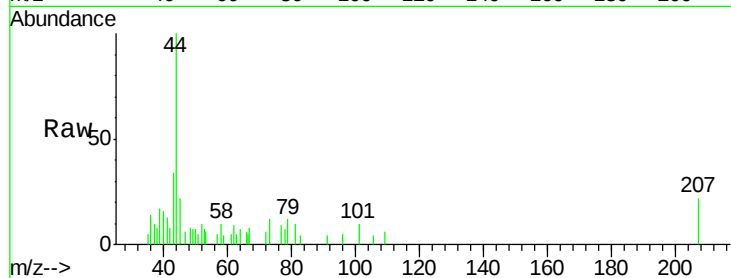
IBLK

Tot Ion: 43 Resp: 499

Ion Ratio Lower Upper

43 100

58 21.5 23.5 35.3#



#20

Methylene Chloride

Concen: 0.242 ug/l

RT: 2.84 min Scan# 287

Delta R.T. 0.01 min

Lab File: VX016981.D

Acq: 26 Jun 2020 14:21

Tgt Ion: 84 Resp: 706

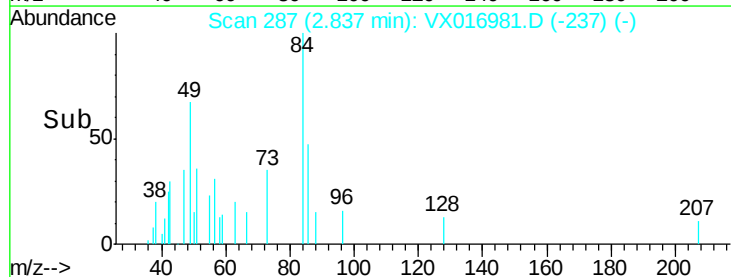
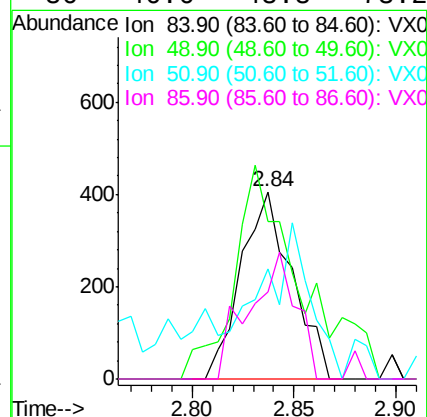
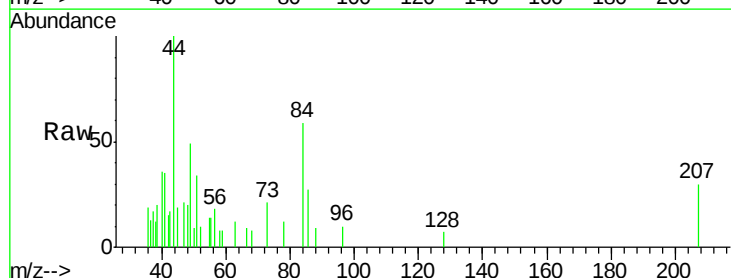
Ion Ratio Lower Upper

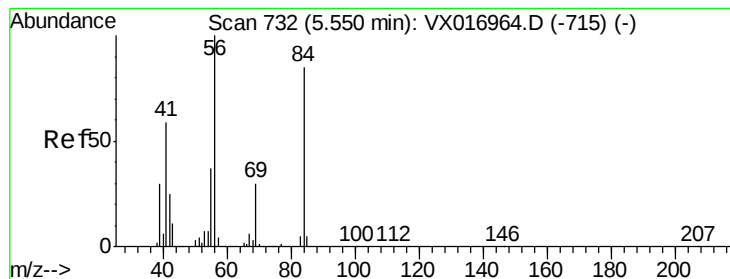
84 100

49 68.5 105.6 158.4#

51 58.6 31.2 46.8#

86 46.6 48.8 73.2#





#31

Cyclohexane

Concen: 1.365 ug/l

RT: 5.63 min Scan# 745

Delta R.T. 0.08 min

Lab File: VX016981.D

Acq: 26 Jun 2020 14:21

Instrument :

MSVOA_X

ClientSampled :

IBLK

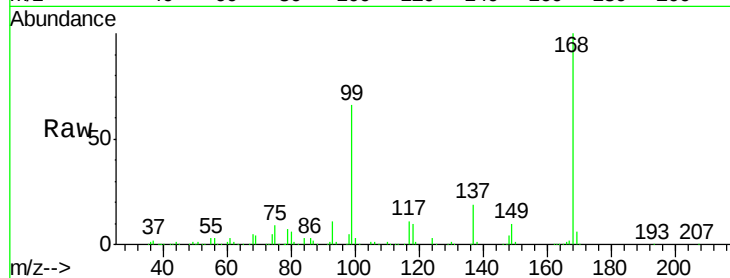
Tot Ion: 56 Resp: 5635

Ion Ratio Lower Upper

56 100

69 145.7 23.6 35.4#

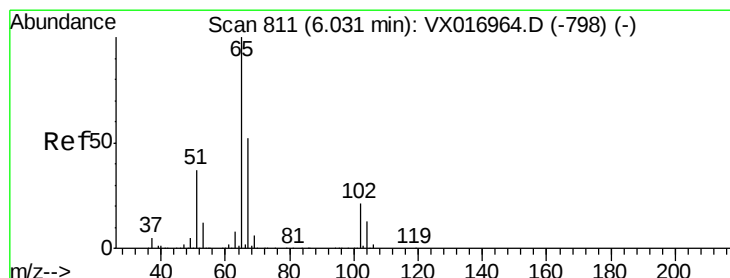
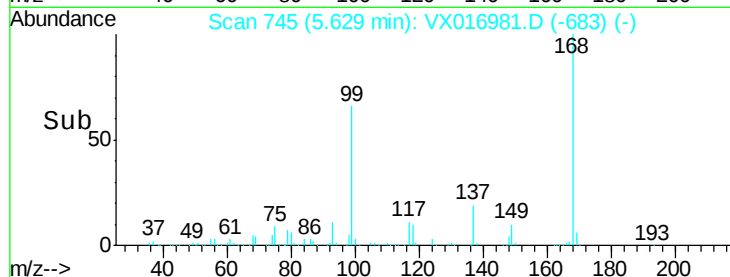
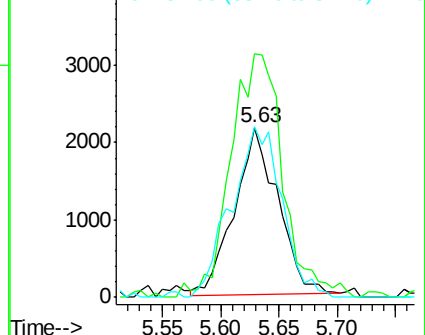
84 104.8 67.8 101.8#



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: 54.347 ug/l

RT: 6.03 min Scan# 811

Delta R.T. -0.00 min

Lab File: VX016981.D

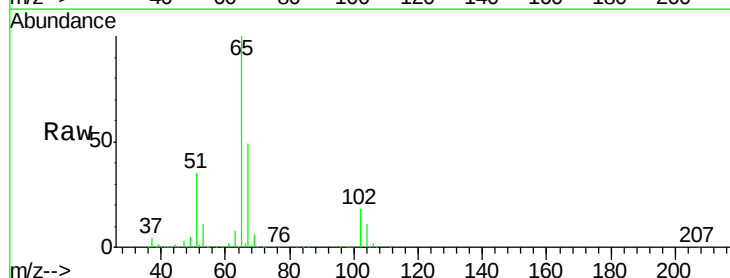
Acq: 26 Jun 2020 14:21

Tgt Ion: 65 Resp: 178697

Ion Ratio Lower Upper

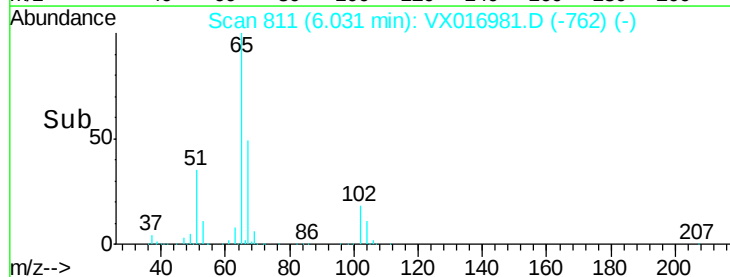
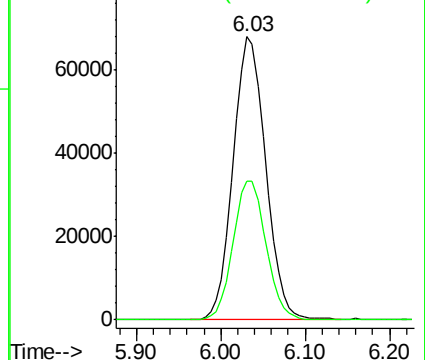
65 100

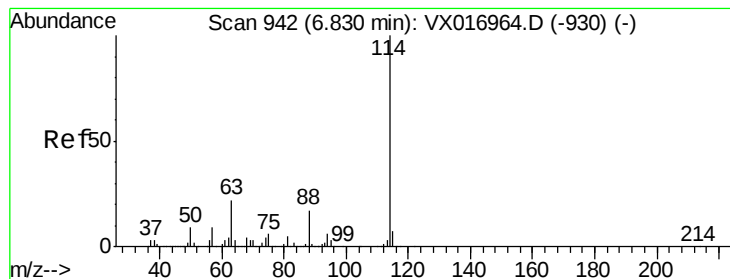
67 49.6 0.0 102.8



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: 6.83 min Scan# 942

Delta R.T. -0.00 min

Lab File: VX016981.D

Acq: 26 Jun 2020 14:21

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IBLK

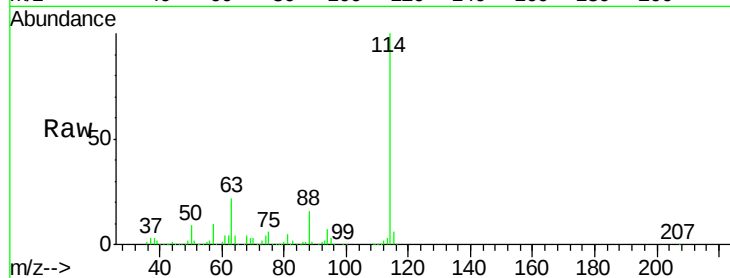
Tot Ion:114 Resp: 390788

Ion Ratio Lower Upper

114 100

63 21.8 0.0 44.4

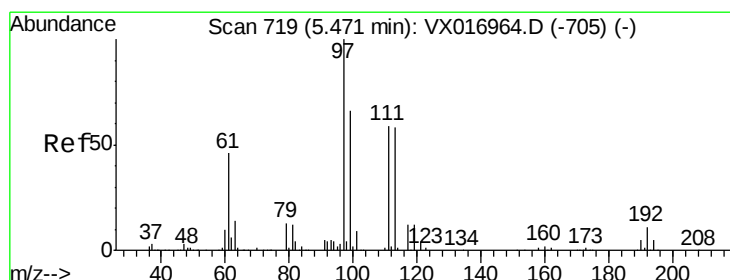
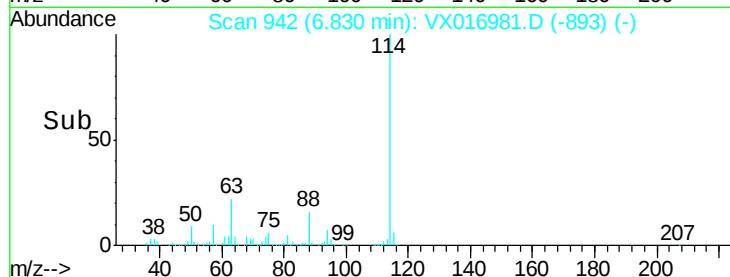
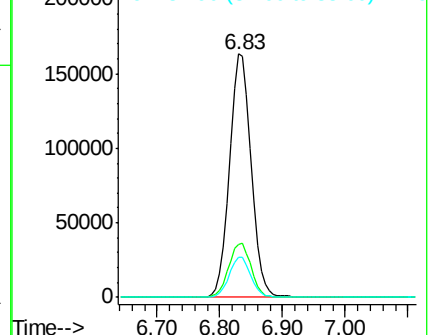
88 16.3 0.0 33.2



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: 50.254 ug/l

RT: 5.47 min Scan# 719

Delta R.T. 0.00 min

Lab File: VX016981.D

Acq: 26 Jun 2020 14:21

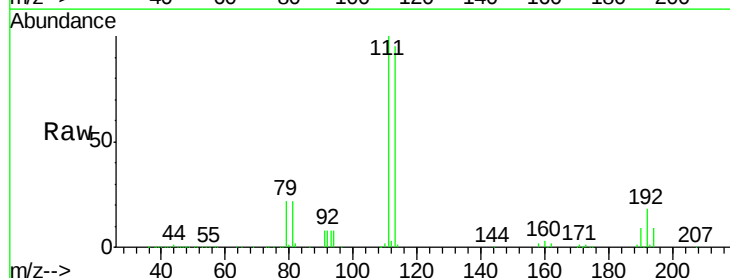
Tgt Ion:113 Resp: 129710

Ion Ratio Lower Upper

113 100

111 102.7 84.3 126.5

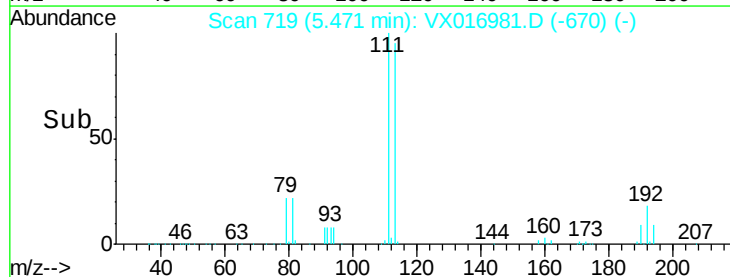
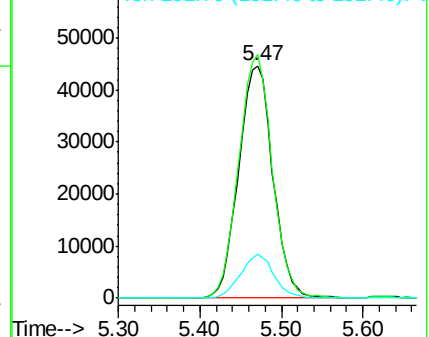
192 18.2 15.2 22.8

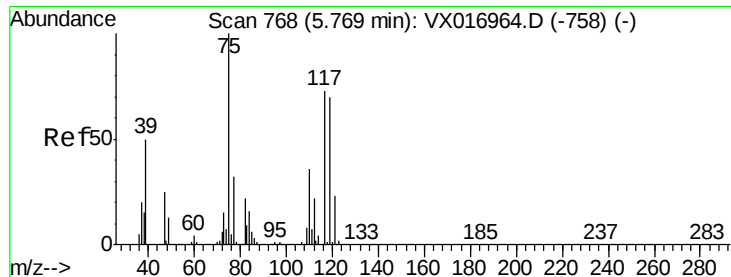


Abundance Ion 112.80 (112.50 to 113.50): V

Ion 110.80 (110.50 to 111.50): V

Ion 191.70 (191.40 to 192.40): V





#36

1,1-Dichloropropene

Concen: 5.067 ug/l

RT: 5.64 min Scan# 746

Delta R.T. -0.13 min

Lab File: VX016981.D

Acq: 26 Jun 2020 14:21

Instrument :

MSVOA_X

ClientSampleId :

IBLK

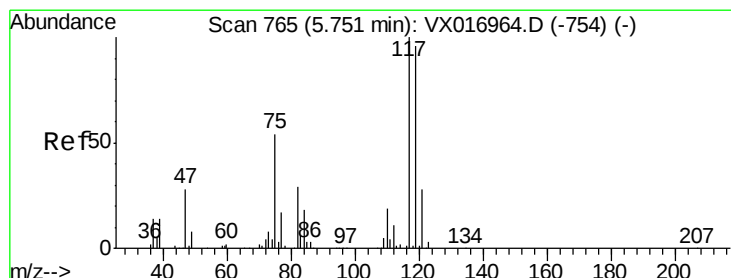
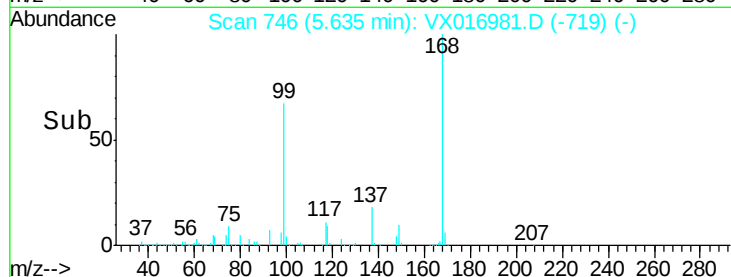
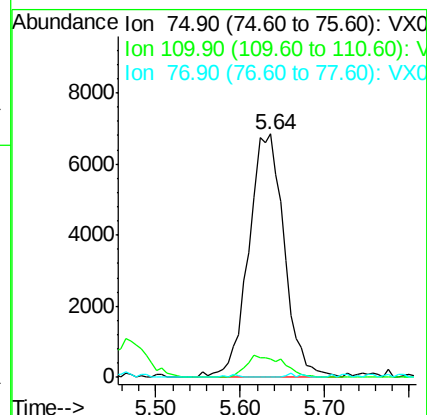
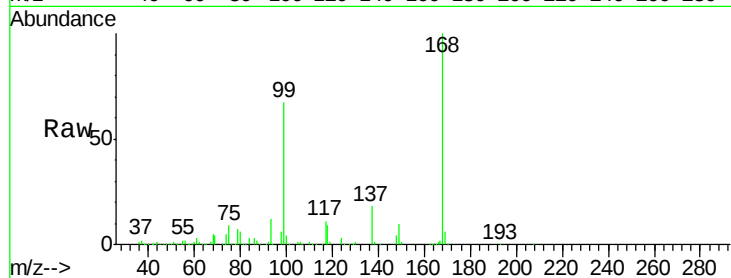
Tot Ion: 75 Resp: 19607

Ion Ratio Lower Upper

75 100

110 9.4 17.2 51.6#

77 0.0 24.7 37.1#



#38

Carbon Tetrachloride

Concen: 5.760 ug/l

RT: 5.63 min Scan# 745

Delta R.T. -0.12 min

Lab File: VX016981.D

Acq: 26 Jun 2020 14:21

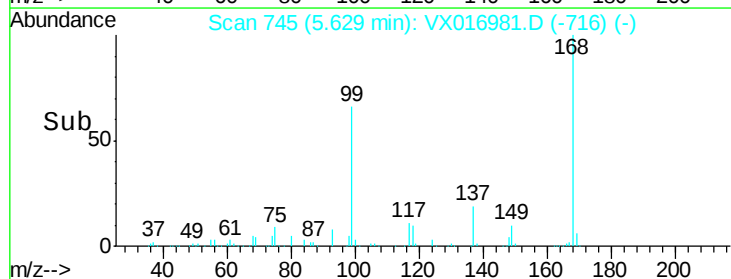
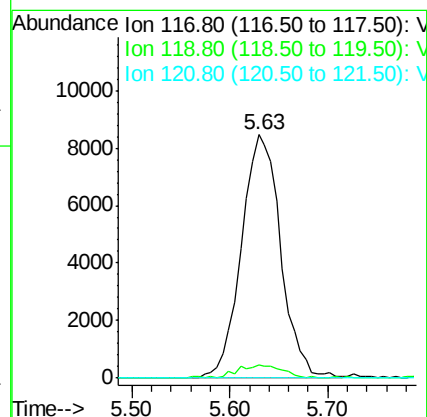
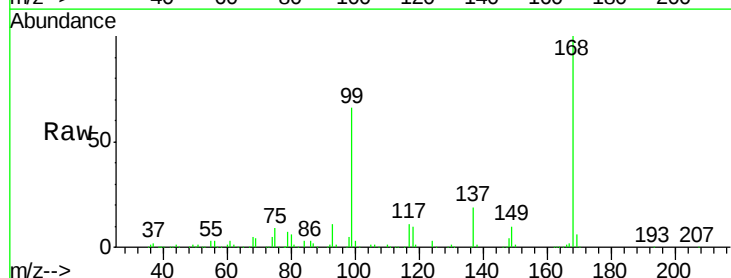
Tgt Ion: 117 Resp: 23590

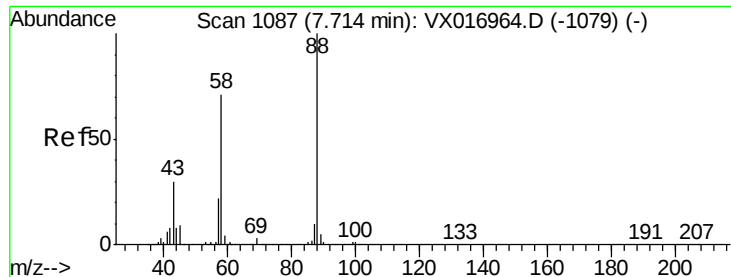
Ion Ratio Lower Upper

117 100

119 5.4 76.6 114.8#

121 0.0 22.5 33.7#

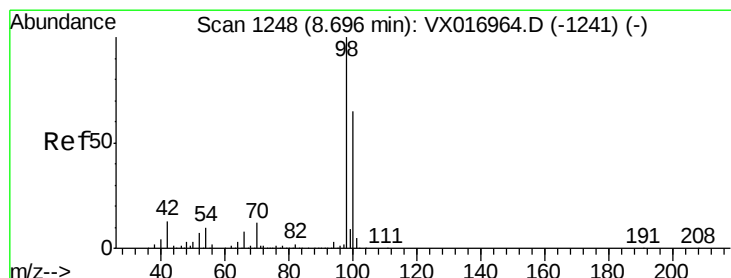
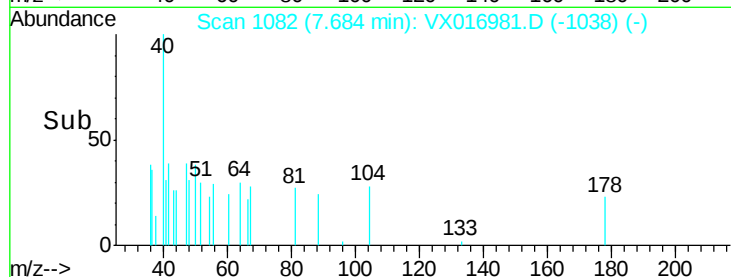
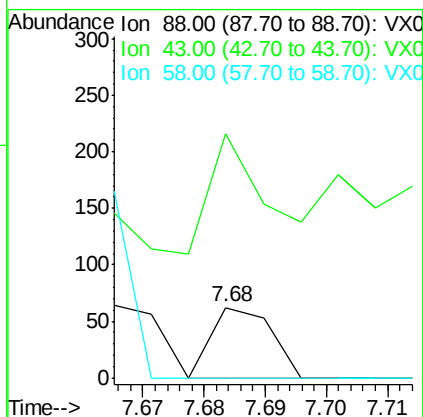
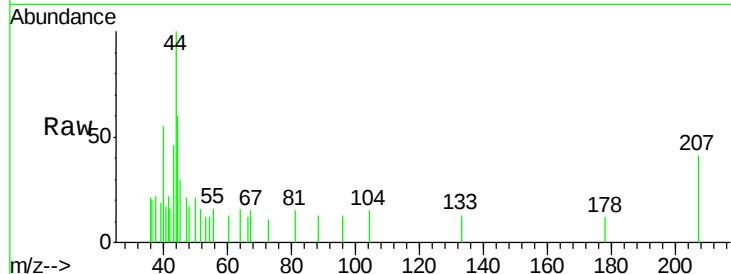




#49
1,4-Dioxane
Concen: 0.618 ug/l
RT: 7.68 min Scan# 1082
Delta R.T. -0.03 min
Lab File: VX016981.D
Acq: 26 Jun 2020 14:21

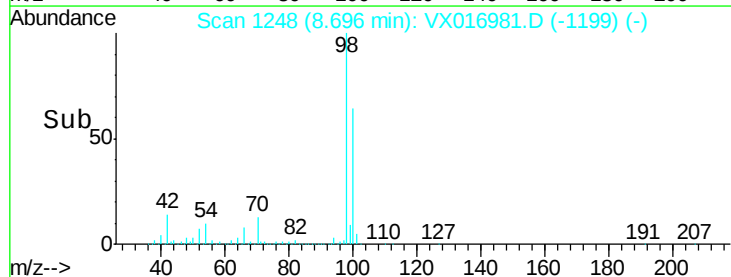
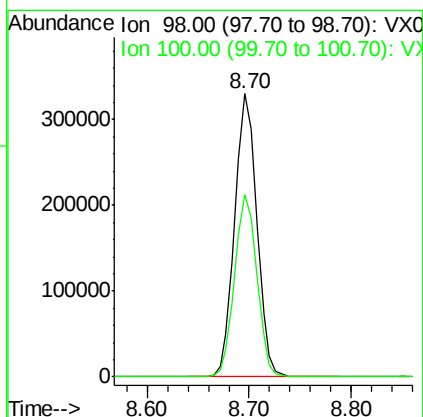
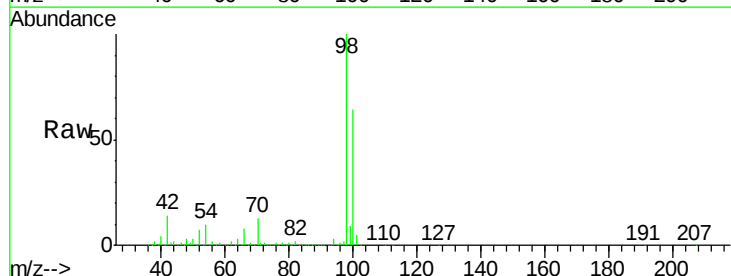
Instrument :
MSVOA_X
ClientSampled :
IBLK

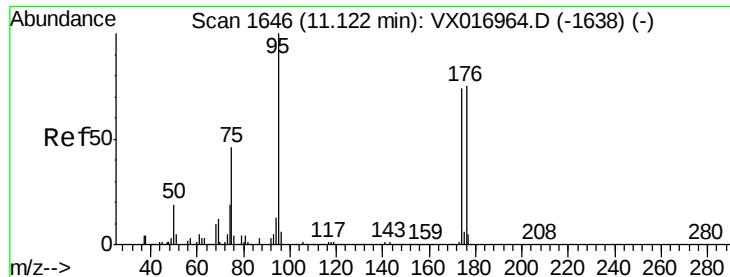
Tot Ion: 88 Resp: 42
Ion Ratio Lower Upper
88 100
43 157.1 28.1 42.1#
58 0.0 56.1 84.1#



#50
Toluene-d8
Concen: 52.373 ug/l
RT: 8.70 min Scan# 1248
Delta R.T. -0.00 min
Lab File: VX016981.D
Acq: 26 Jun 2020 14:21

Tgt Ion: 98 Resp: 495510
Ion Ratio Lower Upper
98 100
100 64.6 52.2 78.2





#62

4-Bromofluorobenzene

Concen: 56.919 ug/l

RT: 11.12 min Scan# 1646

Delta R.T. -0.00 min

Lab File: VX016981.D

Acq: 26 Jun 2020 14:21

Instrument :

MSVOA_X

ClientSampleId :

IBLK

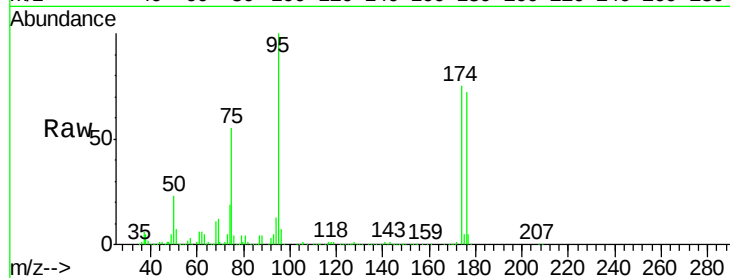
Tot Ion: 95 Resp: 208241

Ion Ratio Lower Upper

95 100

174 73.5 0.0 149.6

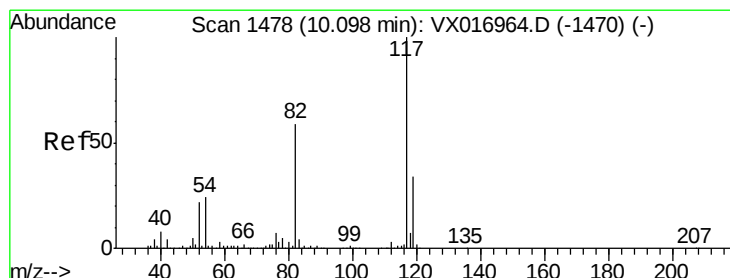
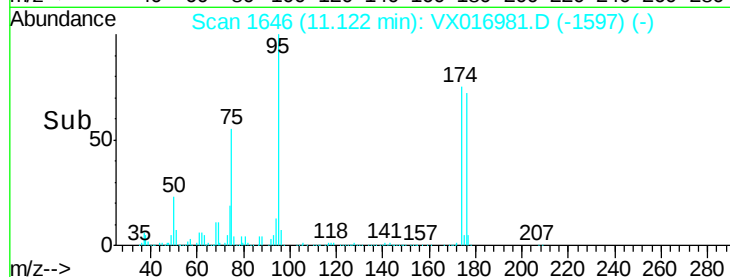
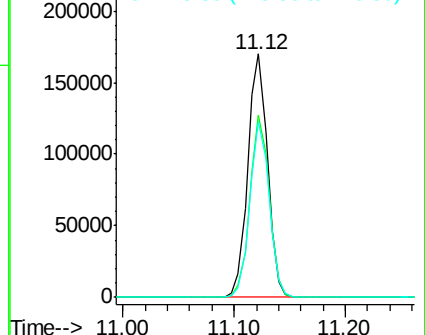
176 70.9 0.0 148.2



Abundance Ion 94.90 (94.60 to 95.60): VX016981.D (-1597) (-)

Ion 173.80 (173.50 to 174.50): VX016981.D (-1597) (-)

Ion 175.80 (175.50 to 176.50): VX016981.D (-1597) (-)



#63

Chlorobenzene-d5

Concen: 50.000 ug/l

RT: 10.10 min Scan# 1478

Delta R.T. 0.00 min

Lab File: VX016981.D

Acq: 26 Jun 2020 14:21

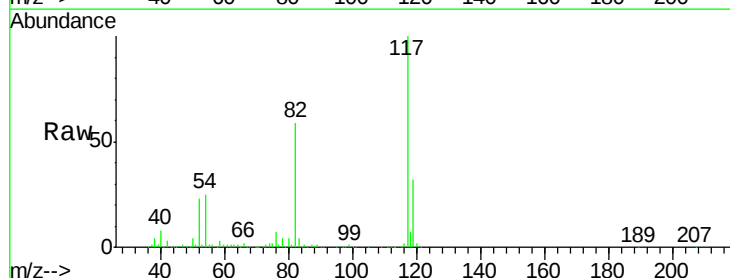
Tgt Ion: 117 Resp: 395063

Ion Ratio Lower Upper

117 100

82 58.7 46.8 70.2

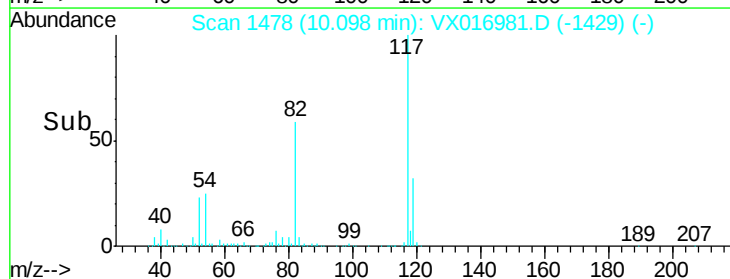
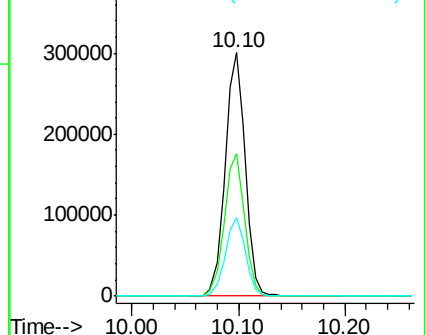
119 32.1 27.3 40.9

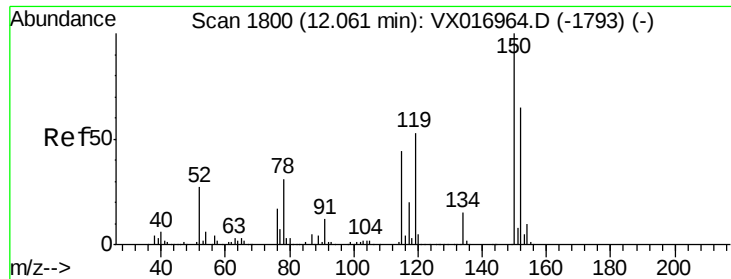


Abundance Ion 116.90 (116.60 to 117.60): VX016981.D (-1429) (-)

Ion 82.00 (81.70 to 82.70): VX016981.D (-1429) (-)

Ion 118.90 (118.60 to 119.60): VX016981.D (-1429) (-)





#72

1,4-Dichlorobenzene-d4

Concen: 50.000 ug/l

RT: 12.06 min Scan# 1800

Delta R.T. -0.00 min

Lab File: VX016981.D

Acq: 26 Jun 2020 14:21

Instrument :

MSVOA_X

ClientSampleId :

IBLK

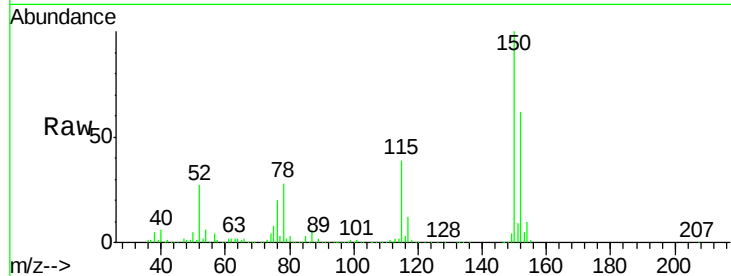
Tot Ion:152 Resp: 204697

Ion Ratio Lower Upper

152 100

115 61.5 42.8 128.4

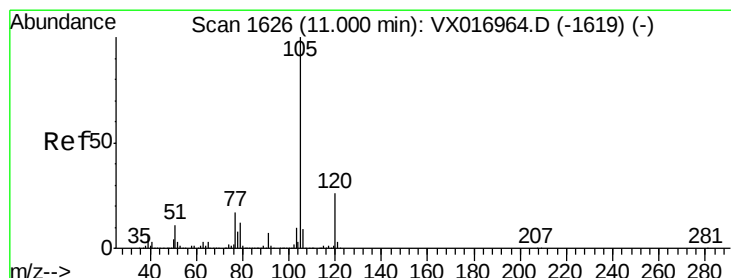
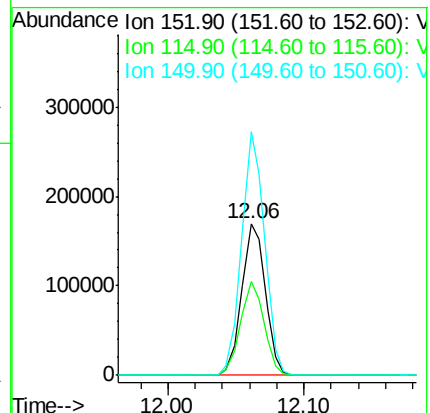
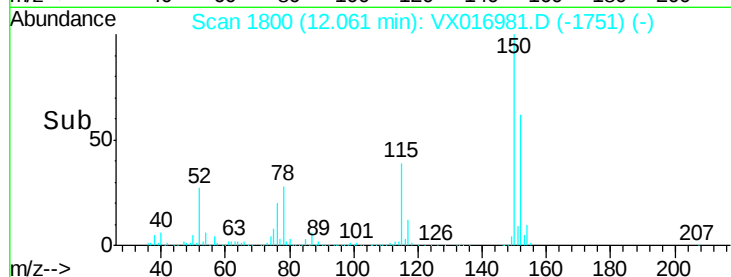
150 156.6 0.0 347.8



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



#73

Isopropylbenzene

Concen: 0.267 ug/l

RT: 11.00 min Scan# 1626

Delta R.T. -0.00 min

Lab File: VX016981.D

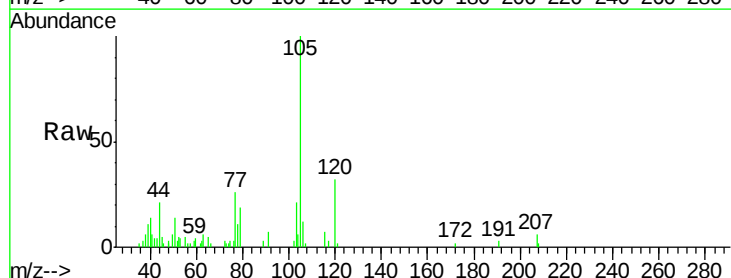
Acq: 26 Jun 2020 14:21

Tgt Ion:105 Resp: 3757

Ion Ratio Lower Upper

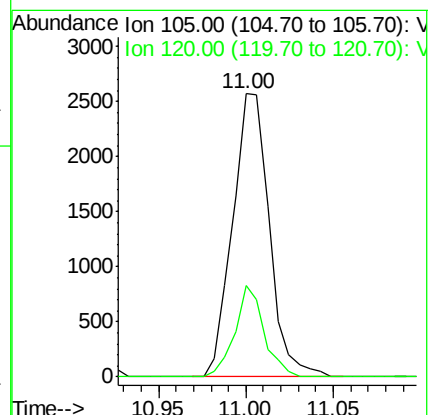
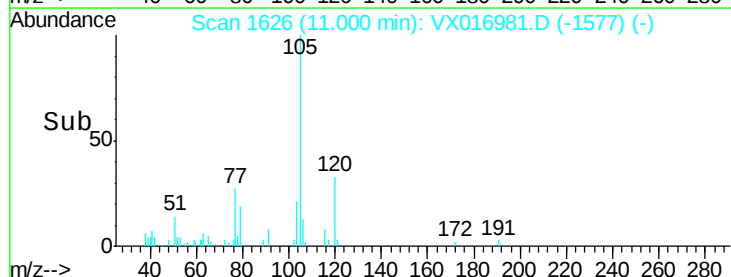
105 100

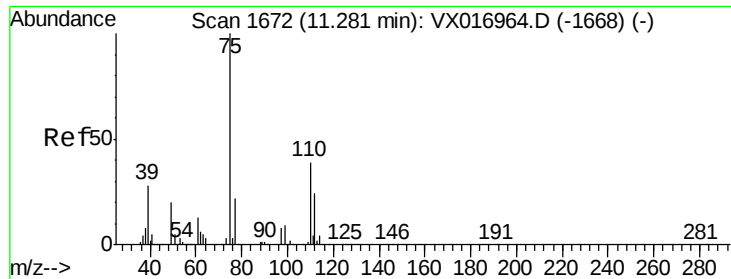
120 25.7 13.1 39.1



Abundance Ion 105.00 (104.70 to 105.70): V

Ion 120.00 (119.70 to 120.70): V

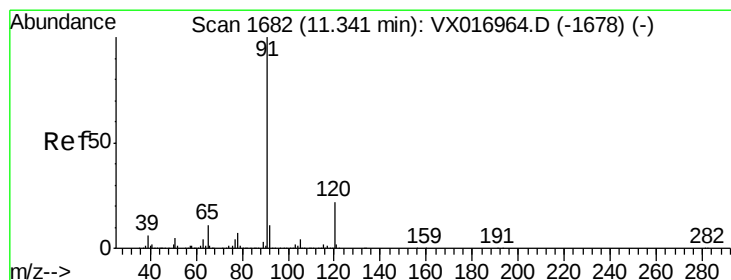
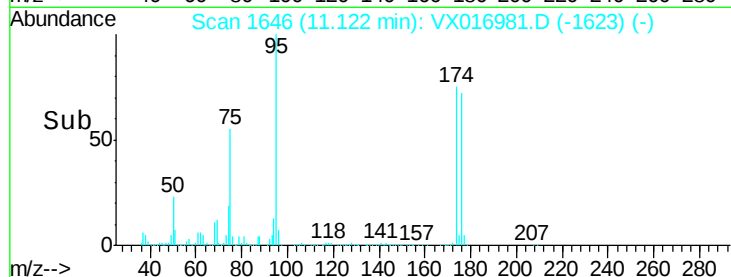
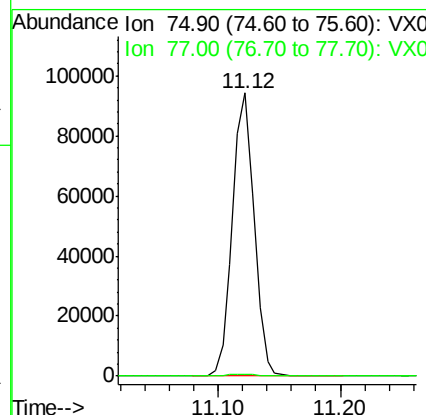
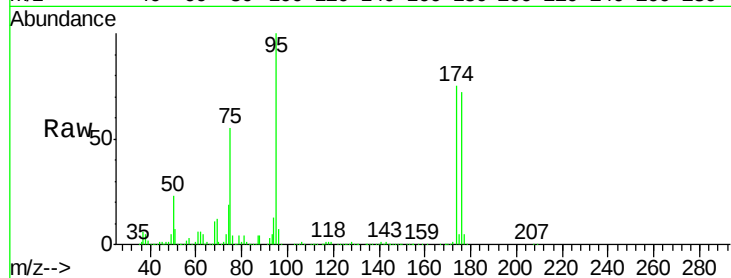




#76
 1,2,3-Trichloropropane
 Concen: 26.911 ug/l
 RT: 11.12 min Scan# 1646
 Delta R.T. -0.16 min
 Lab File: VX016981.D
 Acq: 26 Jun 2020 14:21

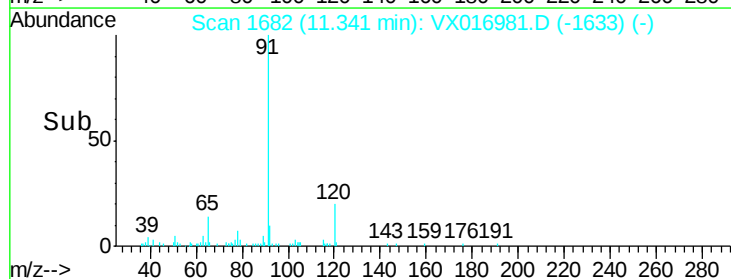
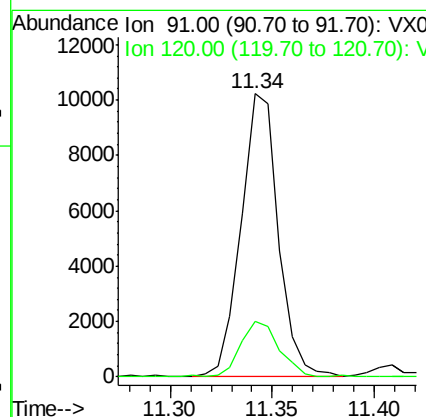
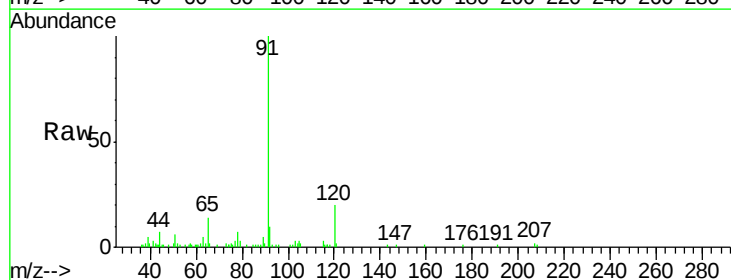
Instrument :
 MSVOA_X
 ClientSampleId :
 IBLK

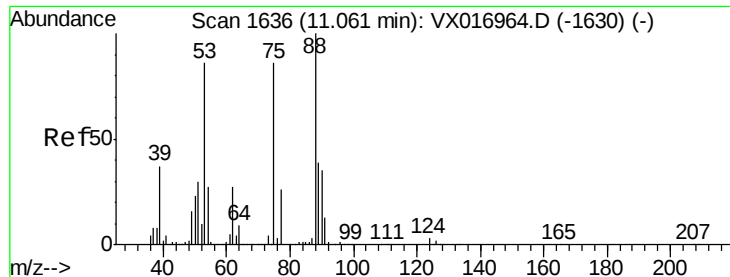
Tot Ion: 75 Resp: 115604
 Ion Ratio Lower Upper
 75 100
 77 1.0 20.3 61.0#



#78
 n-propylbenzene
 Concen: 0.778 ug/l
 RT: 11.34 min Scan# 1682
 Delta R.T. -0.00 min
 Lab File: VX016981.D
 Acq: 26 Jun 2020 14:21

Tgt Ion: 91 Resp: 12949
 Ion Ratio Lower Upper
 91 100
 120 20.3 11.3 33.8





#81

trans-1,4-Dichloro-2-butene

Concen: 68.323 ug/l

RT: 11.12 min Scan# 1646

Delta R.T. 0.06 min

Lab File: VX016981.D

Acq: 26 Jun 2020 14:21

Instrument :

MSVOA_X

ClientSampleId :

IBLK

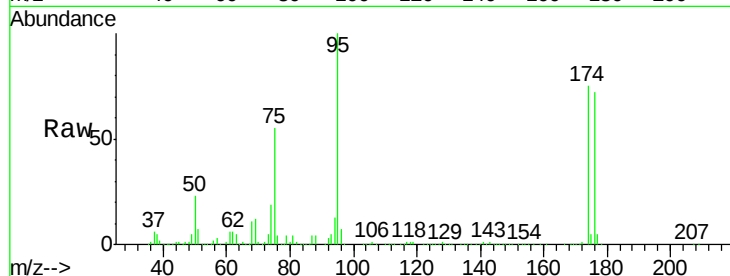
Tot Ion: 75 Resp: 115604

Ion Ratio Lower Upper

75 100

53 0.2 81.9 122.9#

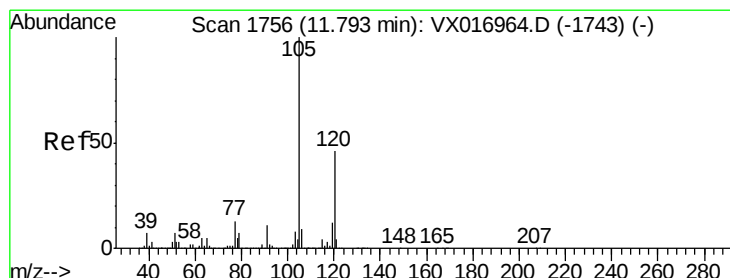
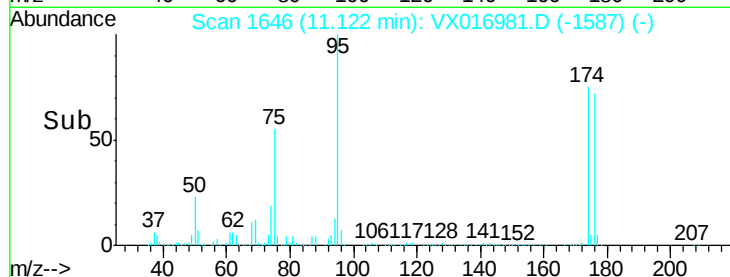
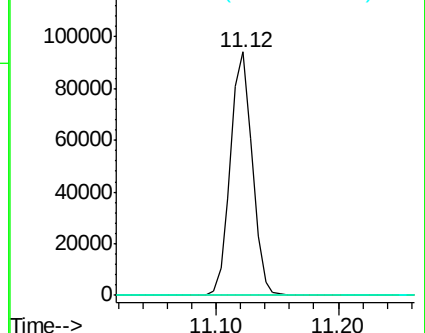
89 0.1 35.5 53.3#



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



#84

1,2,4-Trimethylbenzene

Concen: 0.821 ug/l

RT: 11.79 min Scan# 1756

Delta R.T. 0.00 min

Lab File: VX016981.D

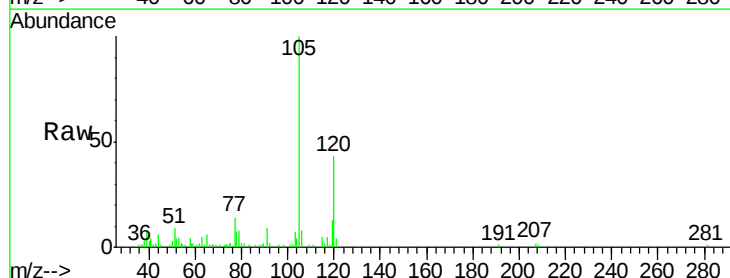
Acq: 26 Jun 2020 14:21

Tgt Ion: 105 Resp: 9729

Ion Ratio Lower Upper

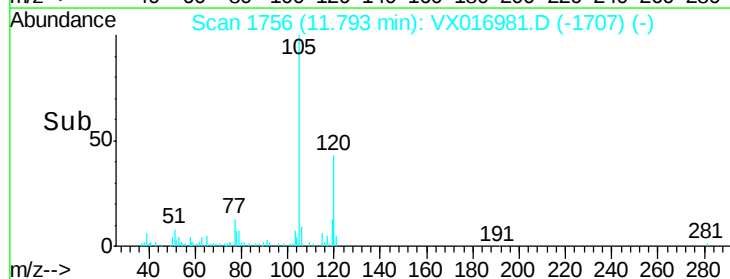
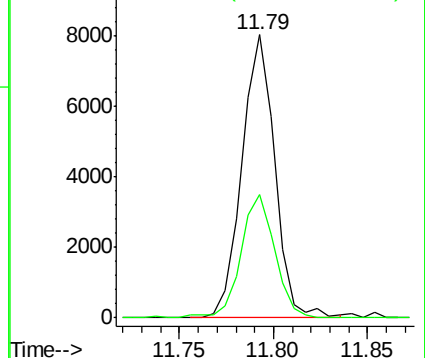
105 100

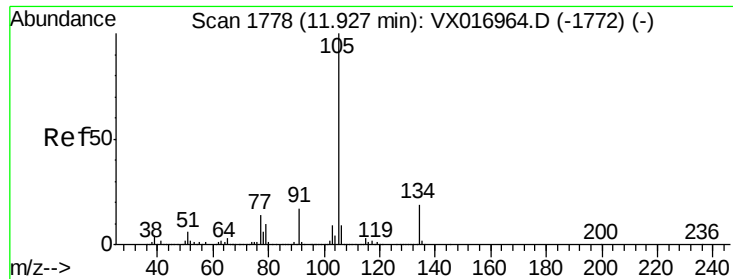
120 44.7 22.4 67.3



Abundance Ion 105.00 (104.70 to 105.70): V

Ion 120.00 (119.70 to 120.70): V





#85

sec-Butylbenzene

Concen: 0.258 ug/l

RT: 11.93 min Scan# 1779

Delta R.T. 0.01 min

Lab File: VX016981.D

Acq: 26 Jun 2020 14:21

Instrument :

MSVOA_X

ClientSampled :

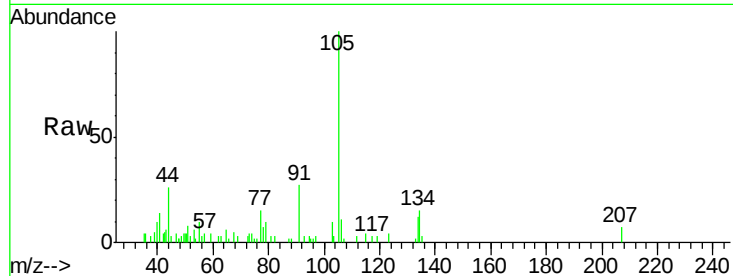
IBLK

Tot Ion:105 Resp: 3430

Ion Ratio Lower Upper

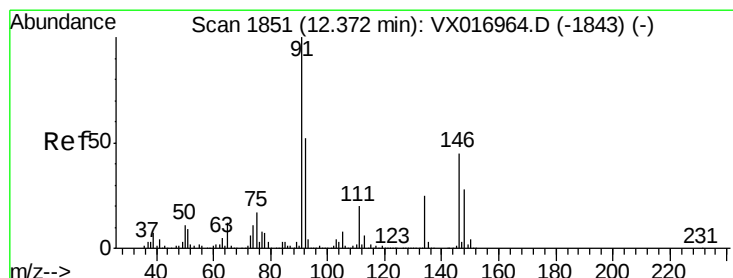
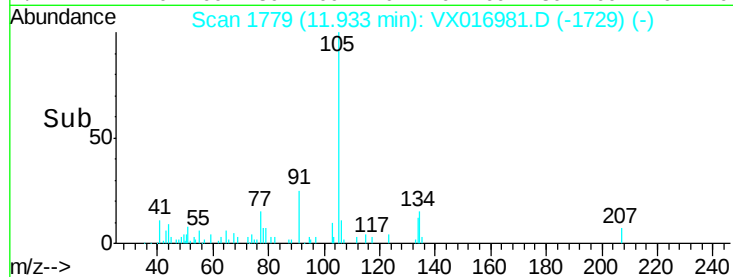
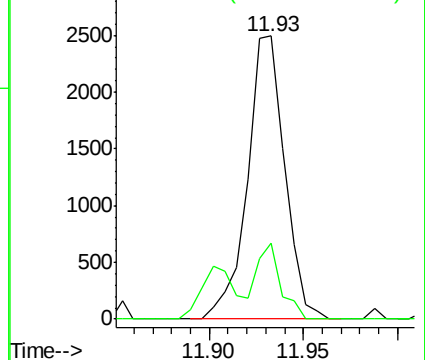
105 100

134 16.7 10.1 30.1



Abundance Ion 105.00 (104.70 to 105.70): V

Ion 134.00 (133.70 to 134.70): V



#89

n-Butylbenzene

Concen: 0.257 ug/l

RT: 12.37 min Scan# 1851

Delta R.T. 0.00 min

Lab File: VX016981.D

Acq: 26 Jun 2020 14:21

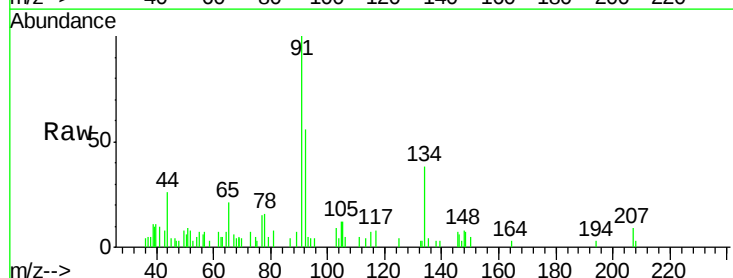
Tgt Ion: 91 Resp: 2944

Ion Ratio Lower Upper

91 100

92 49.7 26.6 79.7

134 41.1 12.6 37.8#



Abundance Ion 91.00 (90.70 to 91.70): VX0

Ion 92.00 (91.70 to 92.70): VX0

Ion 134.00 (133.70 to 134.70): V

