

Data Path : Z:\VOASRV\HPCHEM1\MSVOA X\DATA\VX071420\
 Data File : VX017373.D
 Acq On : 14 Jul 2020 13:03
 Operator : JC/SP
 Sample : IBLK
 Misc : 5.0mL/MSVOA X/WATER
 ALS Vial : 10 Sample Multiplier: 1

Instrument :
 MSVOA_X
 ClientSampleId :
 IBLK

Quant Time: Jul 15 01:23:28 2020
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_X\METHOD\82X071320W.M
 Quant Title : SW846 8260
 QLast Update : Tue Jul 14 02:59:51 2020
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Pentafluorobenzene	5.64	168	279382	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	6.83	114	457150	50.00	ug/l	0.00
63) Chlorobenzene-d5	10.10	117	480676	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	12.06	152	263320	50.00	ug/l	0.00

System Monitoring Compounds	R.T.	QIon	Response	Conc	Units	Dev(Min)
33) 1,2-Dichloroethane-d4	6.04	65	174757	49.84	ug/l	0.00
Spiked Amount			Recovery	=	99.68%	
35) Dibromofluoromethane	5.47	113	150788	48.97	ug/l	0.00
Spiked Amount			Recovery	=	97.94%	
50) Toluene-d8	8.70	98	557615	50.20	ug/l	0.00
Spiked Amount			Recovery	=	100.40%	
62) 4-Bromofluorobenzene	11.12	95	238122	53.97	ug/l	0.00
Spiked Amount			Recovery	=	107.94%	

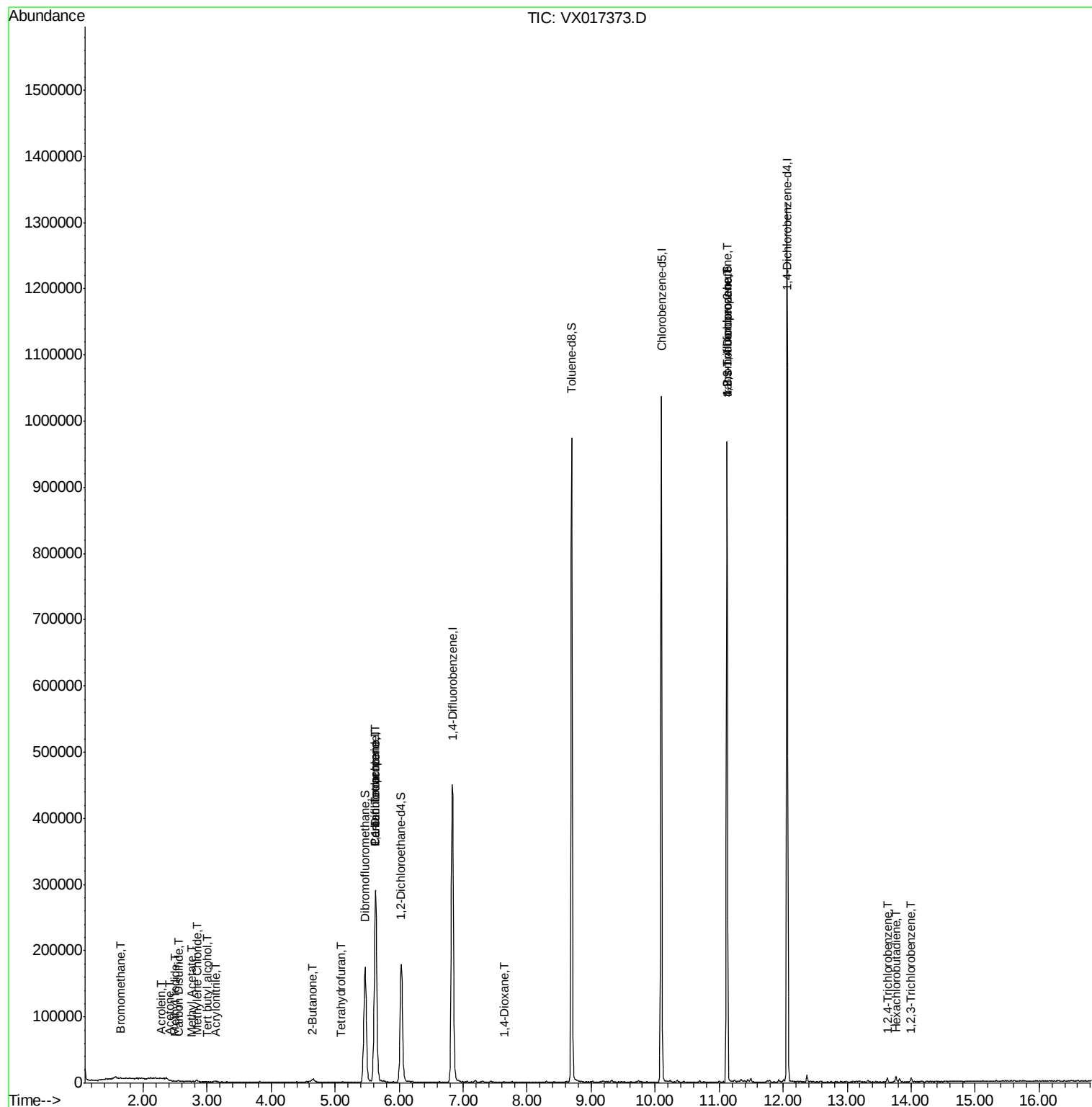
Target Compounds	R.T.	QIon	Response	Conc	Units	Qvalue
5) Bromomethane	1.64	94	474	0.277	ug/l	98
10) Methyl Iodide	2.50	142	694	2.571	ug/l #	85
11) Tert butyl alcohol	3.00	59	158	0.267	ug/l #	72
13) Acrolein	2.29	56	353	1.090	ug/l #	30
15) Acrylonitrile	3.12	53	613	0.428	ug/l #	68
16) Acetone	2.42	43	1112	0.889	ug/l	99
17) Carbon Disulfide	2.55	76	1920	0.259	ug/l #	69
18) Methyl Acetate	2.75	43	635	0.206	ug/l #	89
20) Methylene Chloride	2.84	84	1373	0.450	ug/l #	87
25) 2-Butanone	4.65	43	414	0.208	ug/l #	50
29) Tetrahydrofuran	5.09	42	368	0.286	ug/l #	41
36) 1,1-Dichloropropene	5.62	75	20016	4.760	ug/l #	50
38) Carbon Tetrachloride	5.64	117	27016	5.487	ug/l #	17
49) 1,4-Dioxane	7.64	88	22	0.322	ug/l #	1
76) 1,2,3-Trichloropropane	11.12	75	119066	24.470	ug/l #	37
81) trans-1,4-Dichloro-2-buten	11.12	75	119066	62.076	ug/l #	11
93) 1,2,4-Trichlorobenzene	13.63	180	1548	0.282	ug/l	90
94) Hexachlorobutadiene	13.76	225	966	0.432	ug/l	96
96) 1,2,3-Trichlorobenzene	14.00	180	1559	0.294	ug/l	94

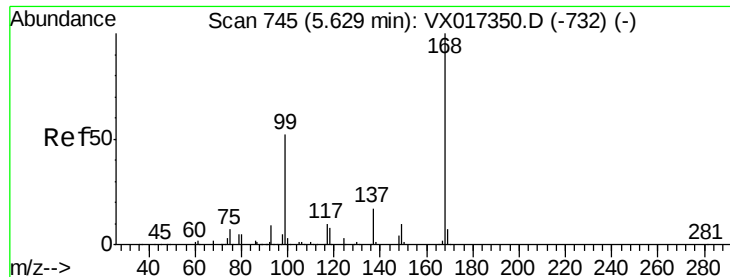
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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#1

Pentafluorobenzene

Concen: 50.000 ug/l

RT: 5.64 min Scan# 746

Delta R.T. 0.01 min

Lab File: VX017373.D

Acq: 14 Jul 2020 13:03

Instrument :

MSVOA_X

ClientSampleId :

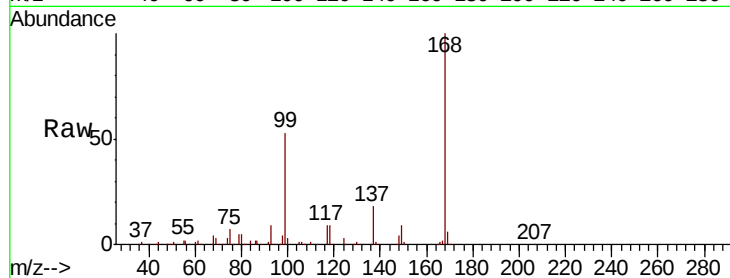
IBLK

Tot Ion:168 Resp: 279382

Ion Ratio Lower Upper

168 100

99 53.5 41.6 62.4



Abundance Ion 167.90 (167.60 to 168.60): V

Ion 98.90 (98.60 to 99.60): VX0

5.64

100000

80000

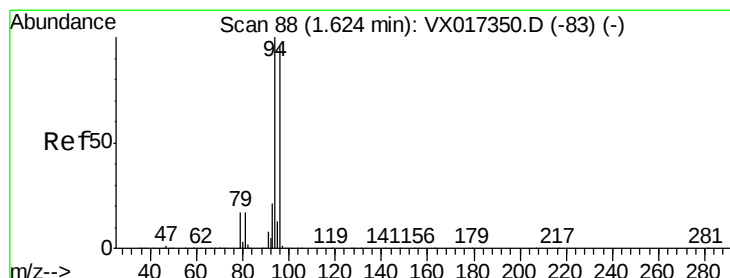
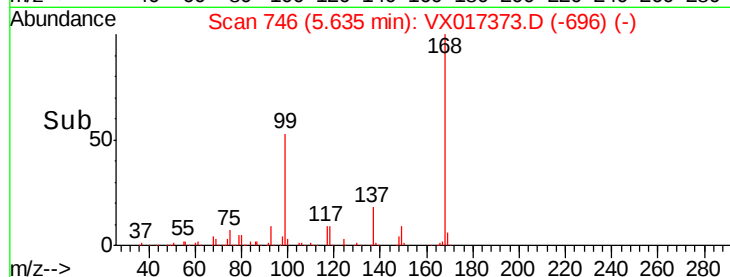
60000

40000

20000

0

Time-->



#5

Bromomethane

Concen: 0.277 ug/l

RT: 1.64 min Scan# 91

Delta R.T. 0.02 min

Lab File: VX017373.D

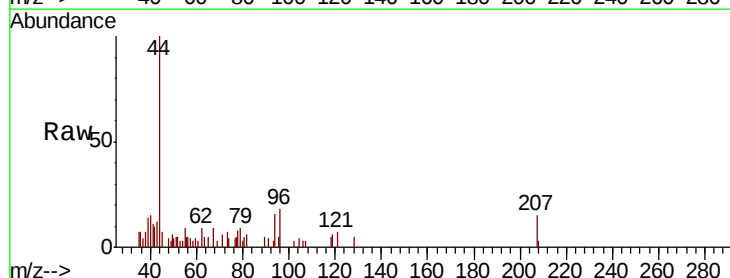
Acq: 14 Jul 2020 13:03

Tgt Ion: 94 Resp: 474

Ion Ratio Lower Upper

94 100

96 94.0 76.6 115.0



Abundance Ion 93.90 (93.60 to 94.60): VX0

Ion 95.90 (95.60 to 96.60): VX0

1.64

400

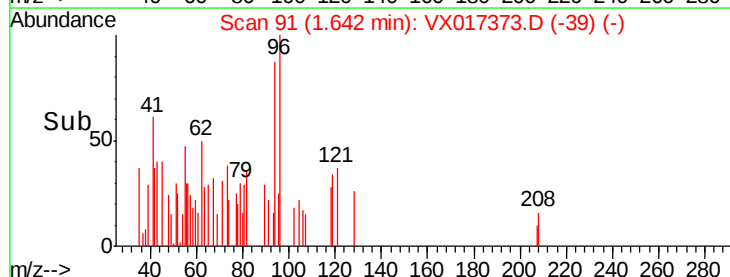
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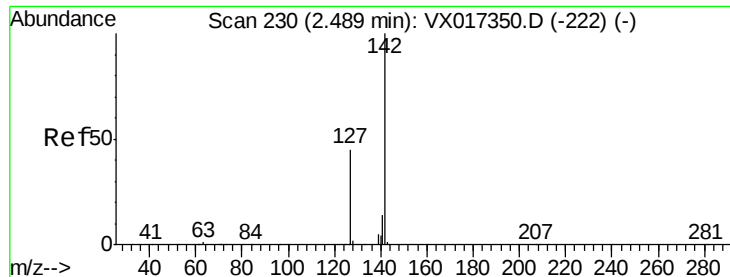
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100

0

Time-->

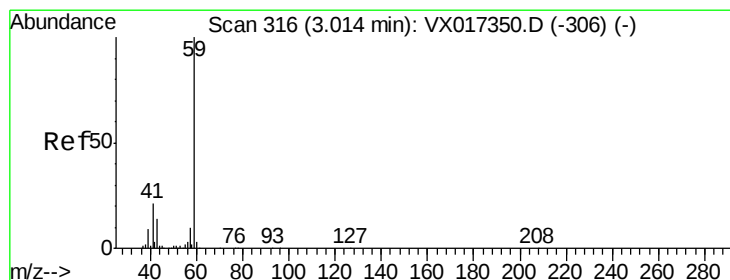
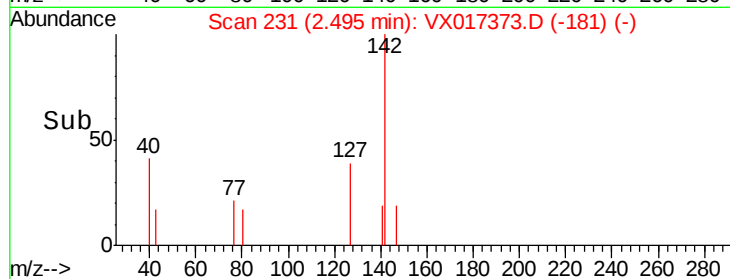
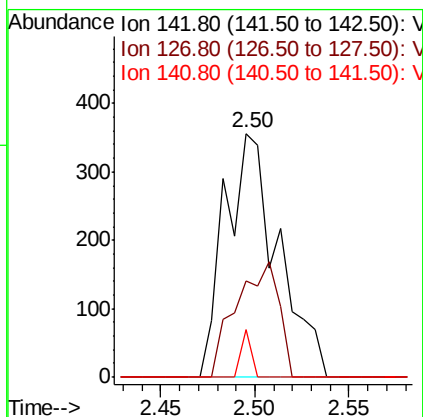
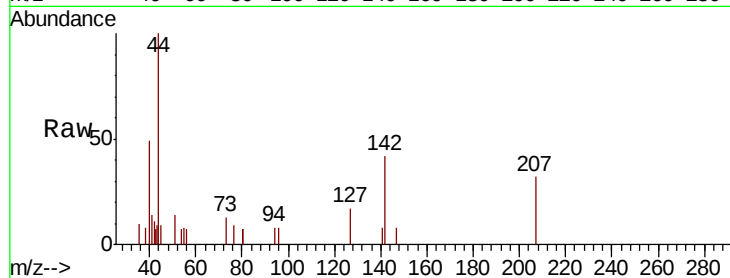




#10
Methyl Iodide
Concen: 2.571 ug/l
RT: 2.50 min Scan# 231
Delta R.T. 0.01 min
Lab File: VX017373.D
Acq: 14 Jul 2020 13:03

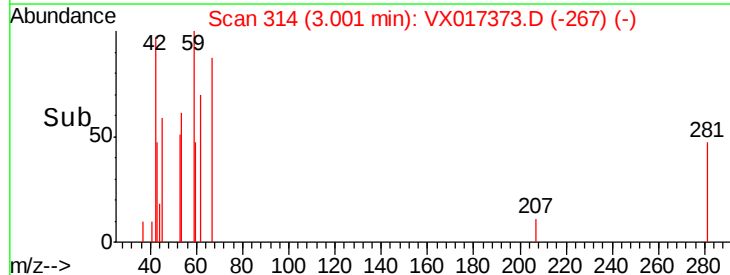
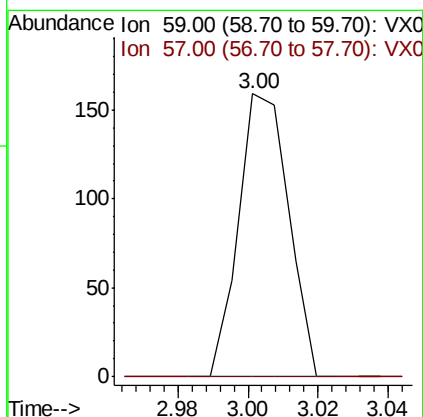
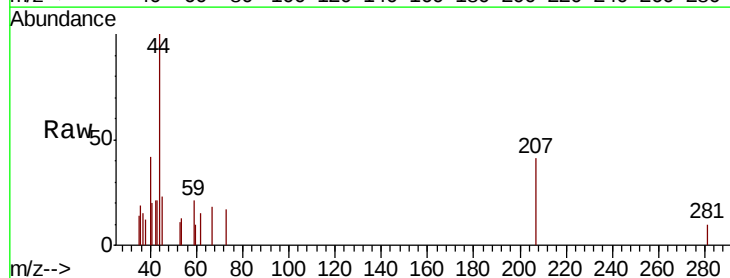
Instrument :
MSVOA_X
ClientSampled :
IBLK

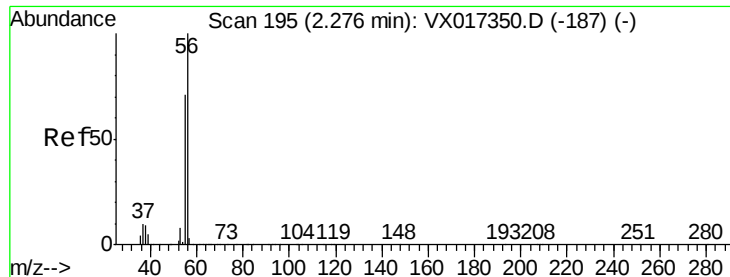
Tot Ion:142 Resp: 694
Ion Ratio Lower Upper
142 100
127 38.0 36.8 55.2
141 3.6 11.4 17.0#



#11
Tert butyl alcohol
Concen: 0.267 ug/l
RT: 3.00 min Scan# 314
Delta R.T. -0.01 min
Lab File: VX017373.D
Acq: 14 Jul 2020 13:03

Tgt Ion: 59 Resp: 158
Ion Ratio Lower Upper
59 100
57 0.0 8.3 12.5#





#13

Acrolein

Concen: 1.090 ug/l

RT: 2.29 min Scan# 197

Delta R.T. 0.01 min

Lab File: VX017373.D

Acq: 14 Jul 2020 13:03

Instrument :

MSVOA_X

ClientSampled :

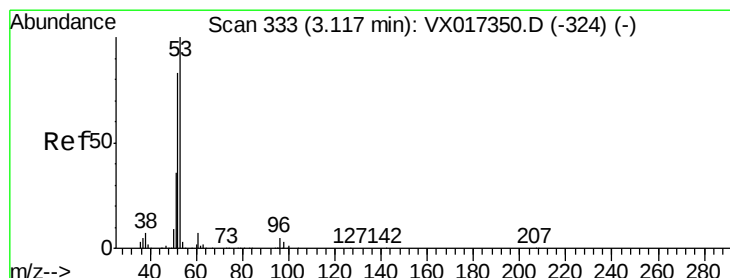
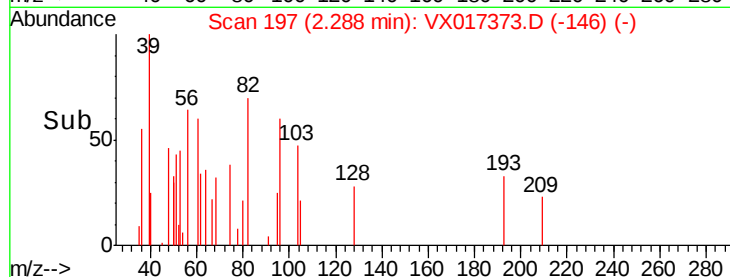
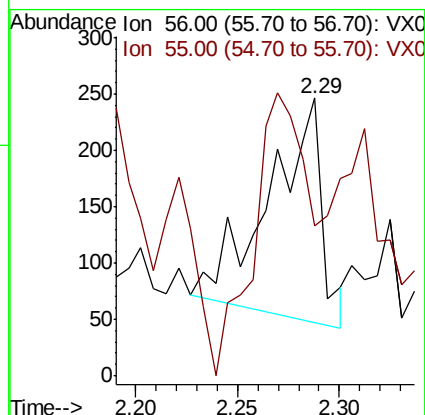
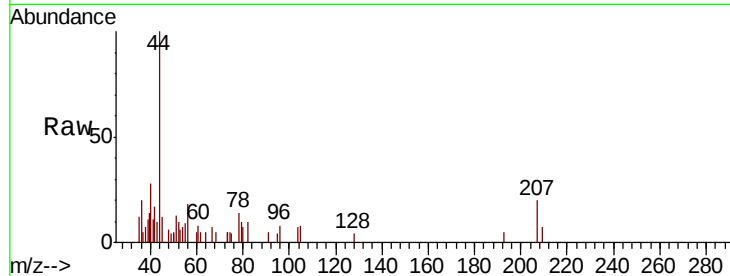
IBLK

Tot Ion: 56 Resp: 353

Ion Ratio Lower Upper

56 100

55 129.7 57.1 85.7#



#15

Acrylonitrile

Concen: 0.428 ug/l

RT: 3.12 min Scan# 334

Delta R.T. 0.01 min

Lab File: VX017373.D

Acq: 14 Jul 2020 13:03

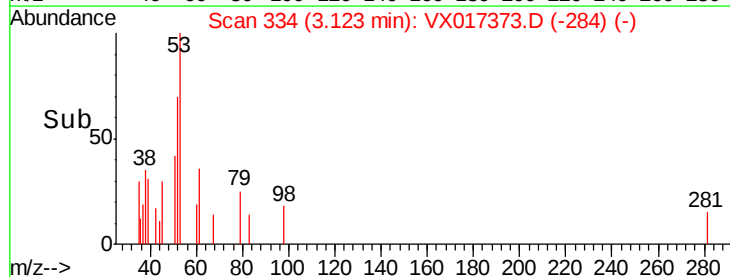
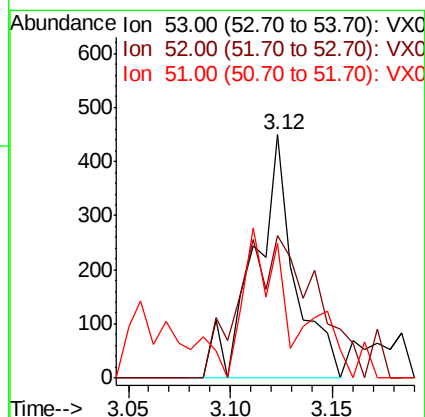
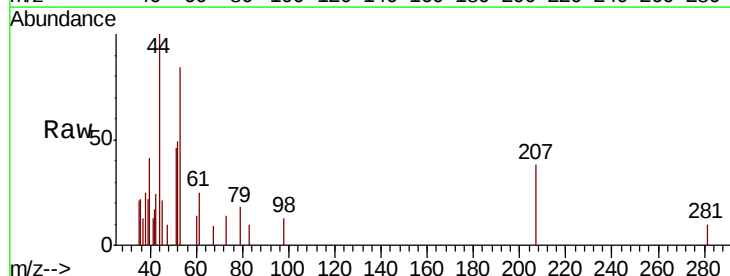
Tgt Ion: 53 Resp: 613

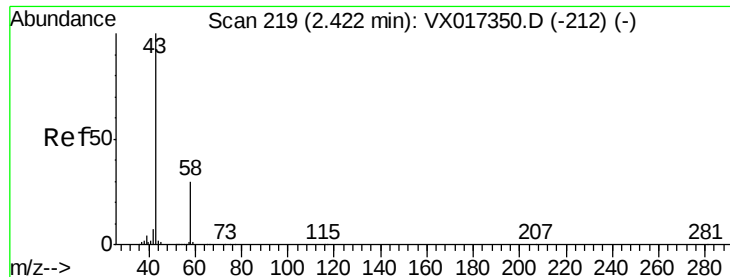
Ion Ratio Lower Upper

53 100

52 109.8 65.8 98.6#

51 56.8 29.2 43.8#





#16

Acetone

Concen: 0.889 ug/l

RT: 2.42 min Scan# 219

Delta R.T. -0.00 min

Lab File: VX017373.D

Acq: 14 Jul 2020 13:03

Instrument :

MSVOA_X

ClientSampled :

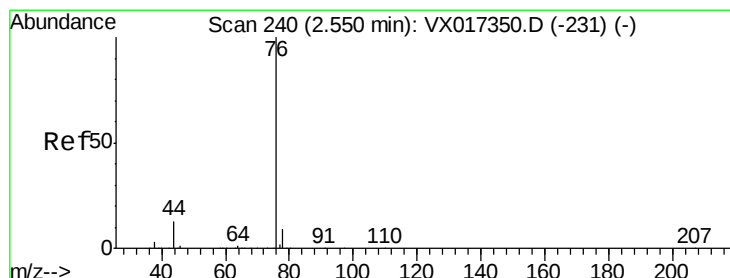
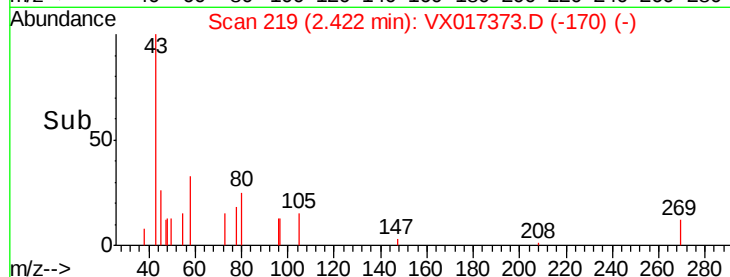
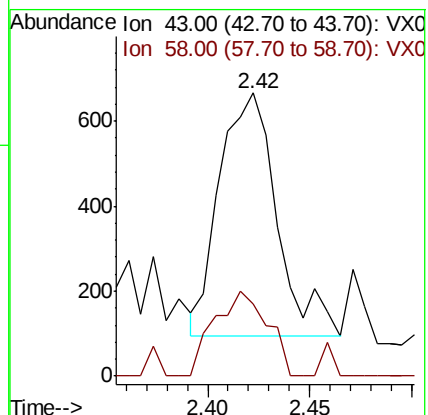
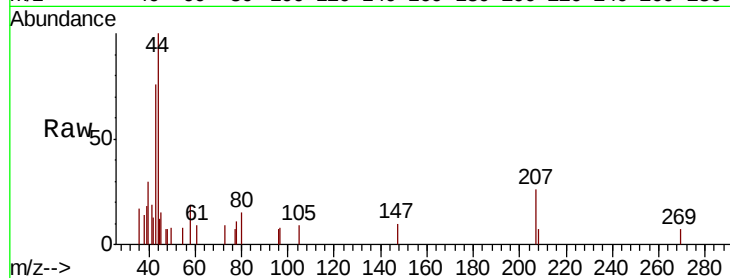
IBLK

Tot Ion: 43 Resp: 1112

Ion Ratio Lower Upper

43 100

58 29.8 24.2 36.2



#17

Carbon Disulfide

Concen: 0.259 ug/l

RT: 2.55 min Scan# 240

Delta R.T. -0.00 min

Lab File: VX017373.D

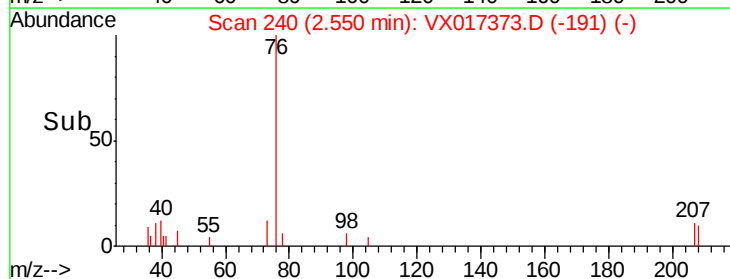
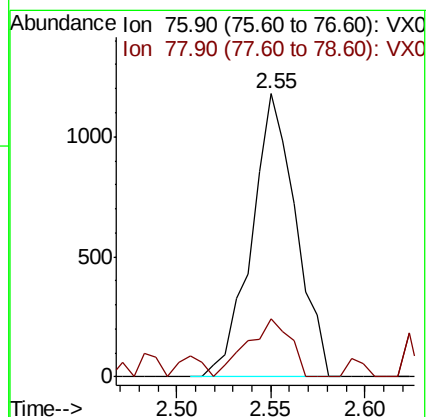
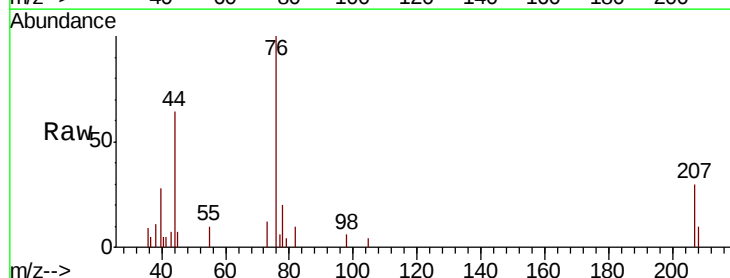
Acq: 14 Jul 2020 13:03

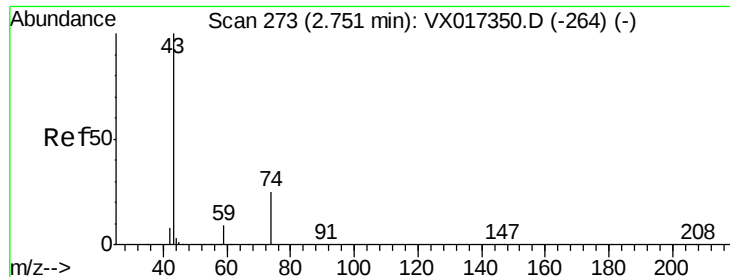
Tgt Ion: 76 Resp: 1920

Ion Ratio Lower Upper

76 100

78 20.4 7.3 10.9#

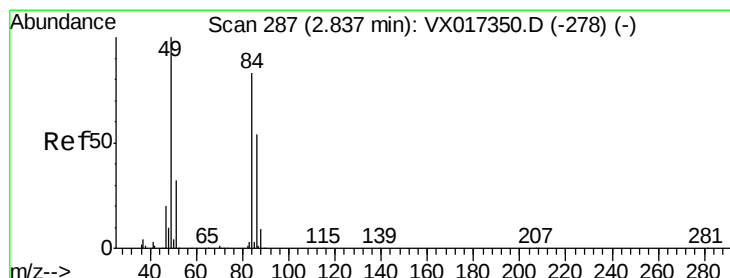
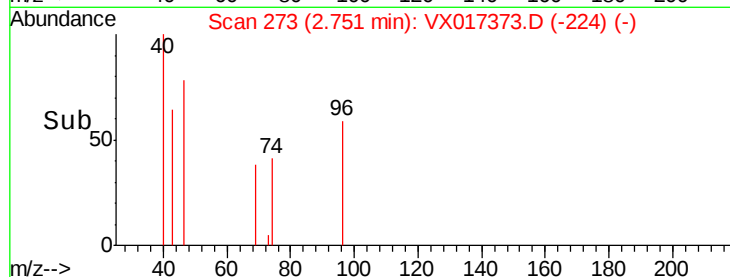
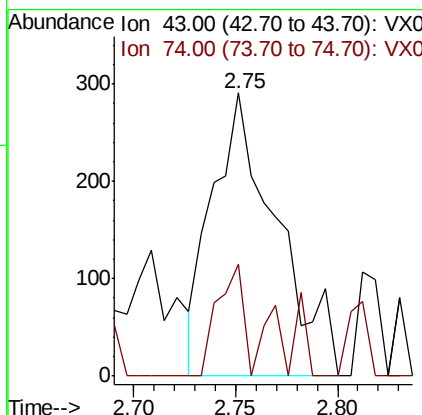
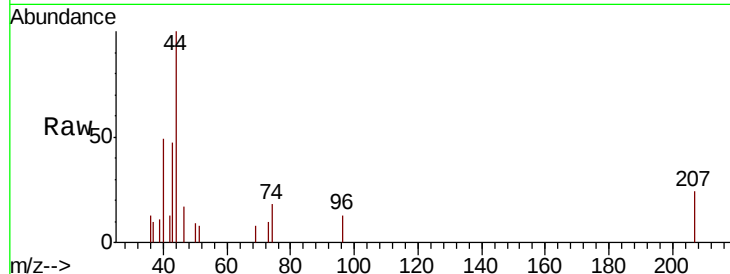




#18
Methyl Acetate
Concen: 0.206 ug/l
RT: 2.75 min Scan# 273
Delta R.T. -0.00 min
Lab File: VX017373.D
Acq: 14 Jul 2020 13:03

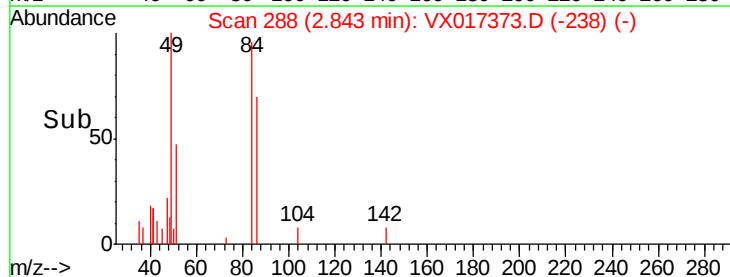
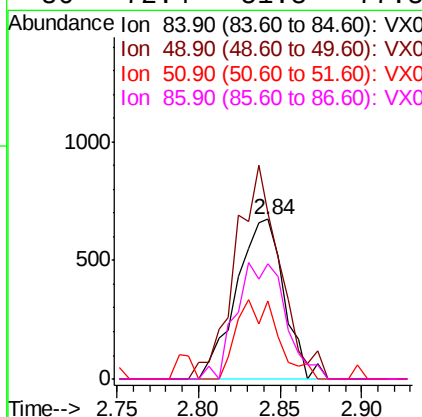
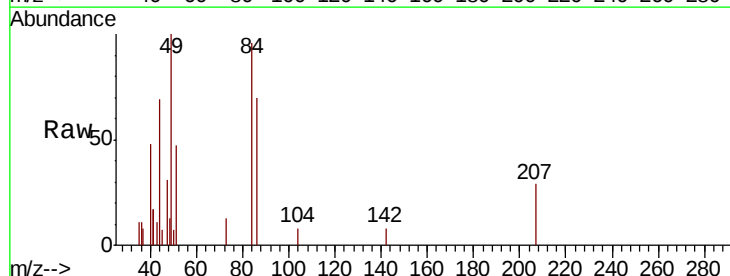
Instrument :
MSVOA_X
ClientSampled :
IBLK

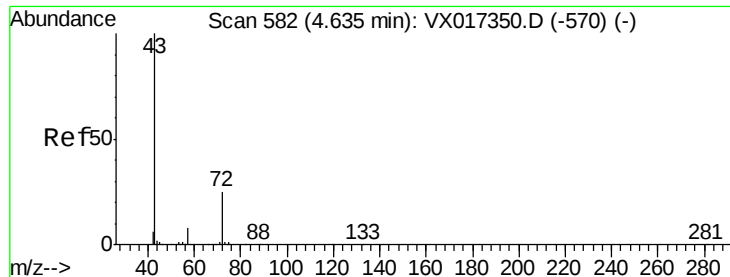
Tot Ion: 43 Resp: 635
Ion Ratio Lower Upper
43 100
74 18.9 19.4 29.2#



#20
Methylene Chloride
Concen: 0.450 ug/l
RT: 2.84 min Scan# 288
Delta R.T. 0.01 min
Lab File: VX017373.D
Acq: 14 Jul 2020 13:03

Tgt Ion: 84 Resp: 1373
Ion Ratio Lower Upper
84 100
49 104.0 95.8 143.8
51 48.5 31.0 46.4#
86 72.4 51.8 77.8

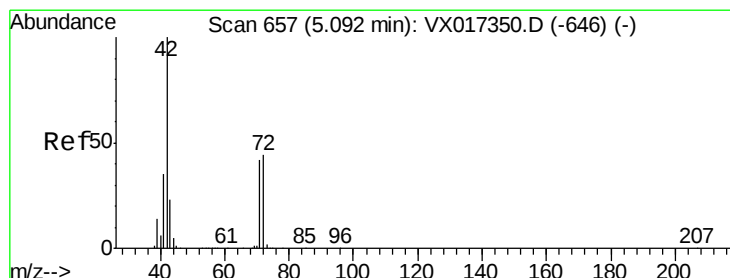
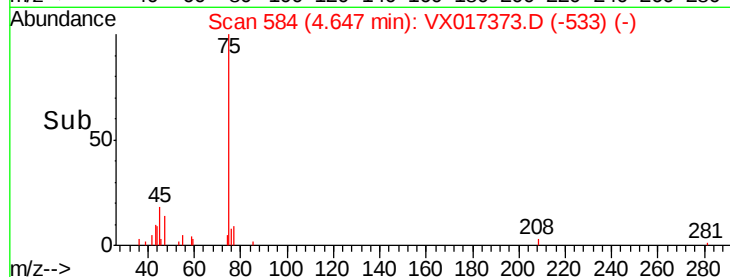
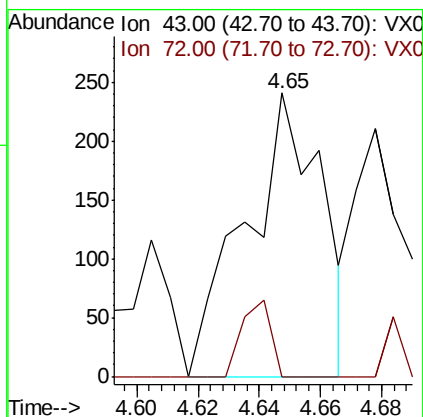
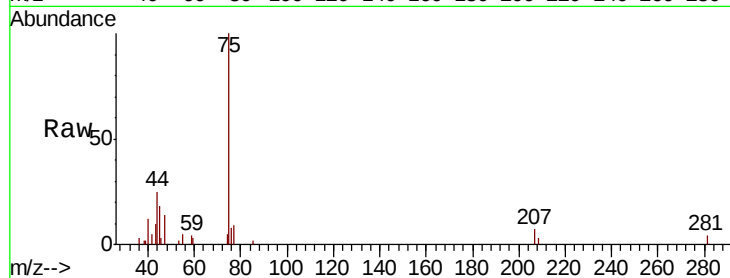




#25
2-Butanone
Concen: 0.208 ug/l
RT: 4.65 min Scan# 584
Delta R.T. 0.01 min
Lab File: VX017373.D
Acq: 14 Jul 2020 13:03

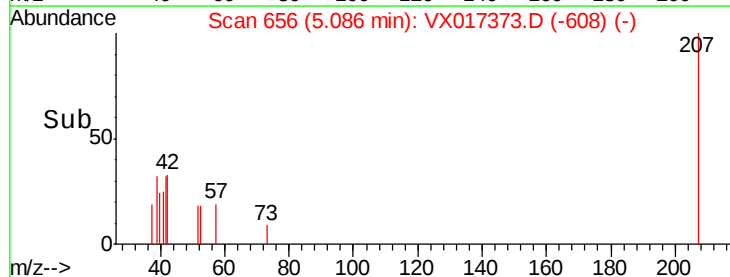
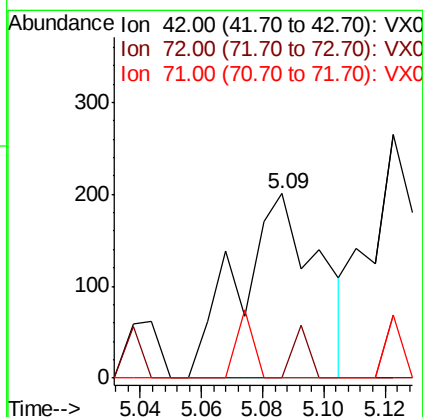
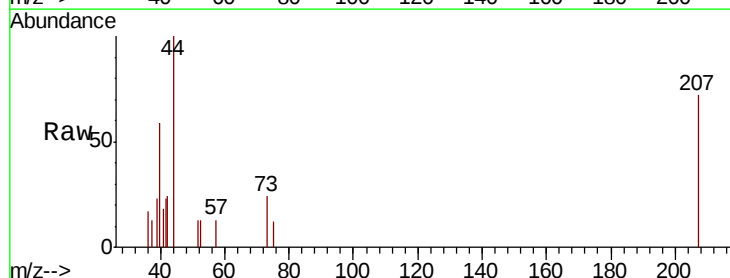
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MSVOA_X
ClientSampled :
IBLK

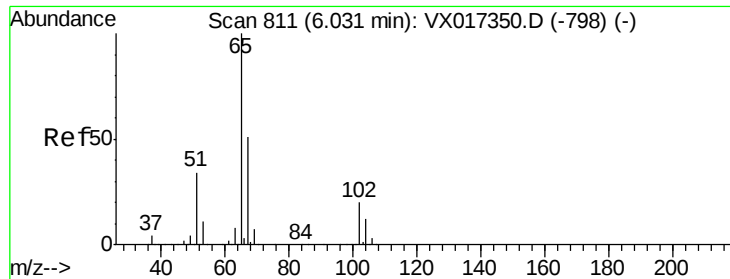
Tot Ion: 43 Resp: 414
Ion Ratio Lower Upper
43 100
72 0.0 20.4 30.6#



#29
Tetrahydrofuran
Concen: 0.286 ug/l
RT: 5.09 min Scan# 656
Delta R.T. -0.01 min
Lab File: VX017373.D
Acq: 14 Jul 2020 13:03

Tgt Ion: 42 Resp: 368
Ion Ratio Lower Upper
42 100
72 5.7 37.2 55.8#
71 7.3 34.4 51.6#

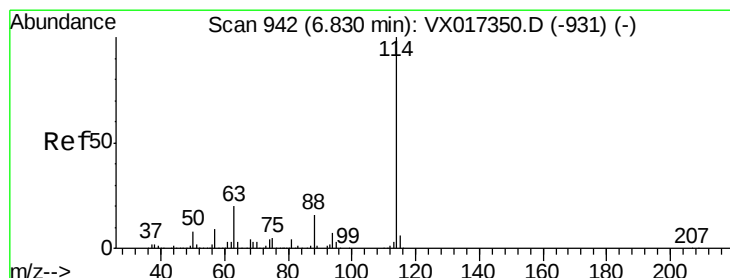
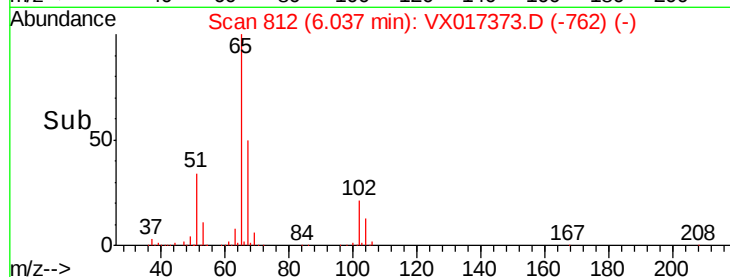
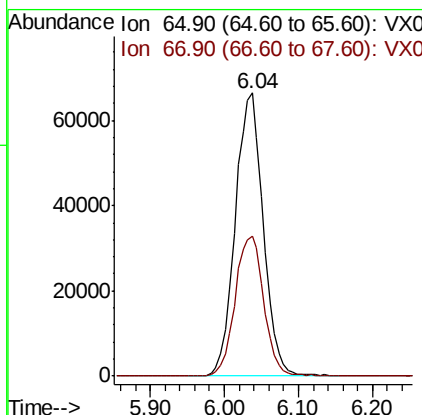
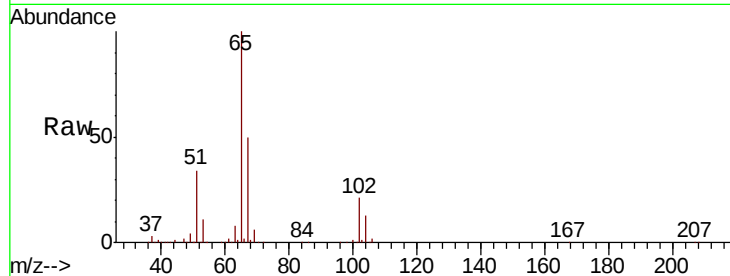




#33
 1,2-Dichloroethane-d4
 Concen: 49.838 ug/l
 RT: 6.04 min Scan# 812
 Delta R.T. 0.01 min
 Lab File: VX017373.D
 Acq: 14 Jul 2020 13:03

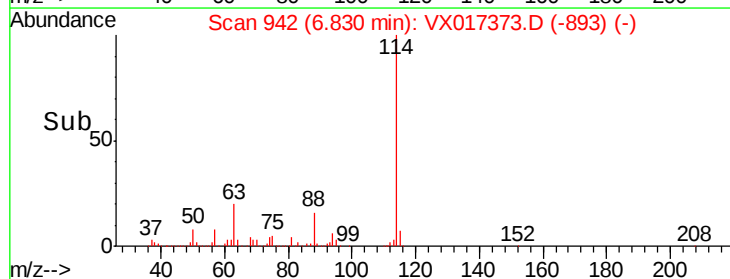
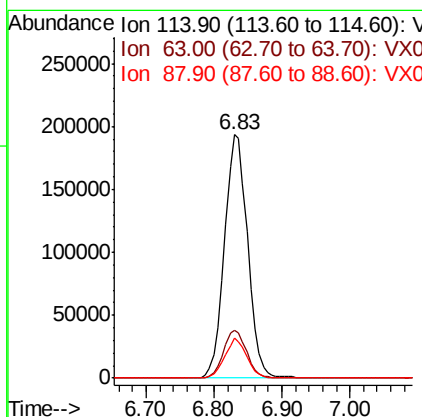
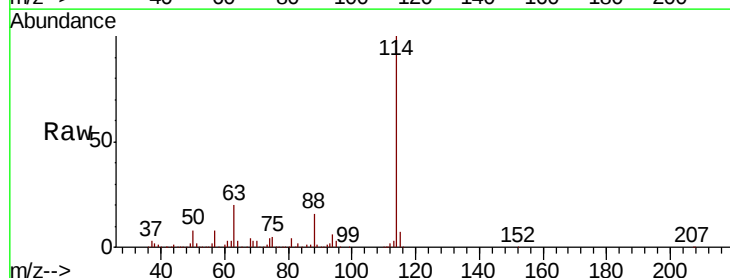
Instrument :
 MSVOA_X
 ClientSampleId :
 IBLK

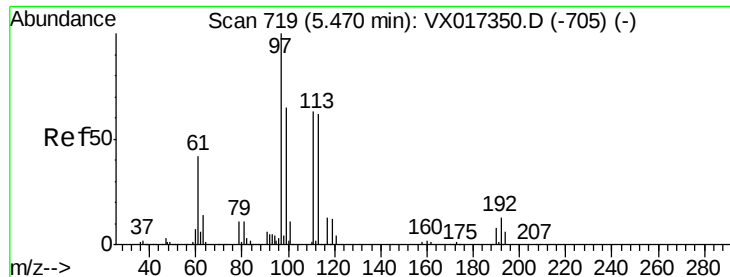
Tot Ion: 65 Resp: 174757
 Ion Ratio Lower Upper
 65 100
 67 50.8 0.0 101.6



#34
 1,4-Difluorobenzene
 Concen: 50.000 ug/l
 RT: 6.83 min Scan# 942
 Delta R.T. -0.00 min
 Lab File: VX017373.D
 Acq: 14 Jul 2020 13:03

Tgt Ion: 114 Resp: 457150
 Ion Ratio Lower Upper
 114 100
 63 19.7 0.0 40.0
 88 16.3 0.0 32.8

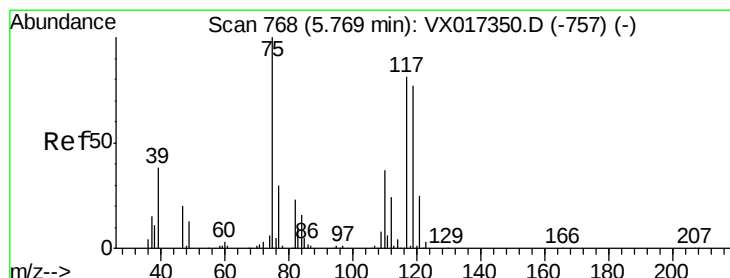
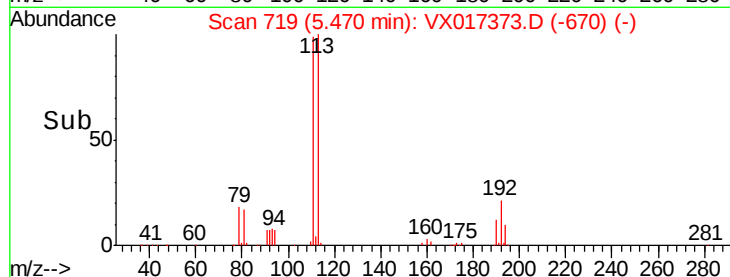
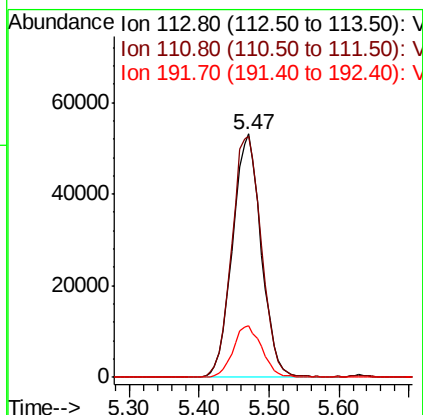
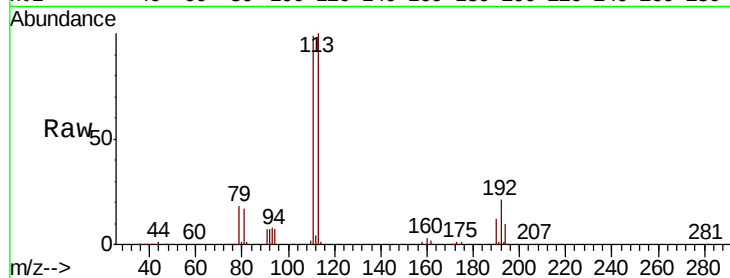




#35
 Dibromofluoromethane
 Concen: 48.966 ug/l
 RT: 5.47 min Scan# 719
 Delta R.T. -0.00 min
 Lab File: VX017373.D
 Acq: 14 Jul 2020 13:03

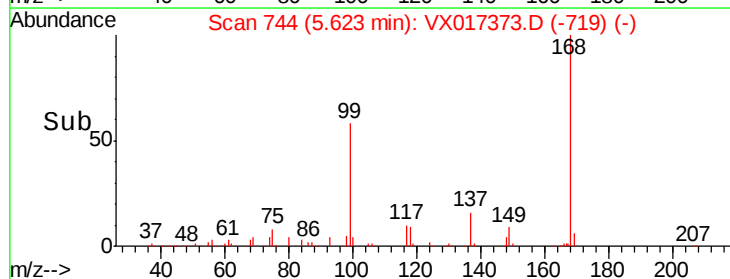
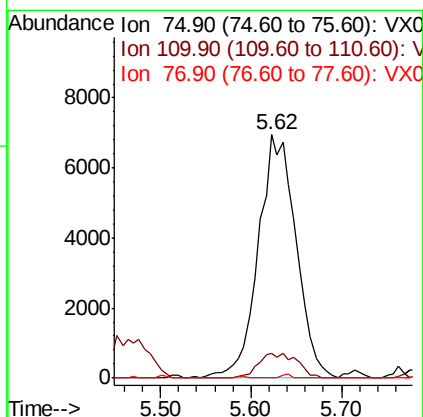
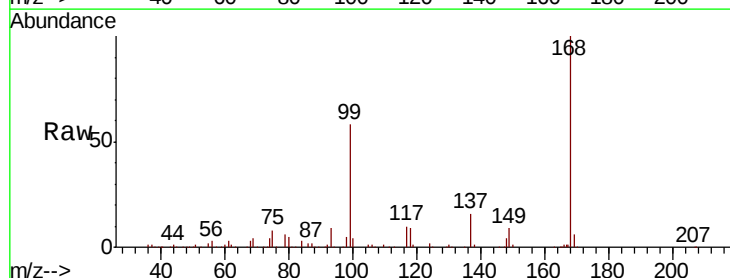
Instrument :
 MSVOA_X
 ClientSampleId :
 IBLK

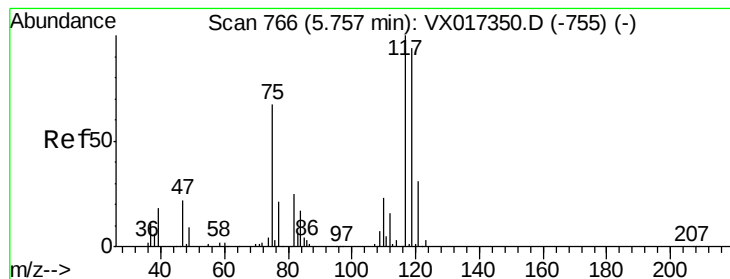
Tot Ion:113 Resp: 150788
 Ion Ratio Lower Upper
 113 100
 111 102.4 82.4 123.6
 192 21.2 17.2 25.8



#36
 1,1-Dichloropropene
 Concen: 4.760 ug/l
 RT: 5.62 min Scan# 744
 Delta R.T. -0.15 min
 Lab File: VX017373.D
 Acq: 14 Jul 2020 13:03

Tgt Ion: 75 Resp: 20016
 Ion Ratio Lower Upper
 75 100
 110 10.5 18.6 55.8#
 77 0.4 24.9 37.3#





#38

Carbon Tetrachloride

Concen: 5.487 ug/l

RT: 5.64 min Scan# 746

Delta R.T. -0.12 min

Lab File: VX017373.D

Acq: 14 Jul 2020 13:03

Instrument :

MSVOA_X

ClientSampled :

IBLK

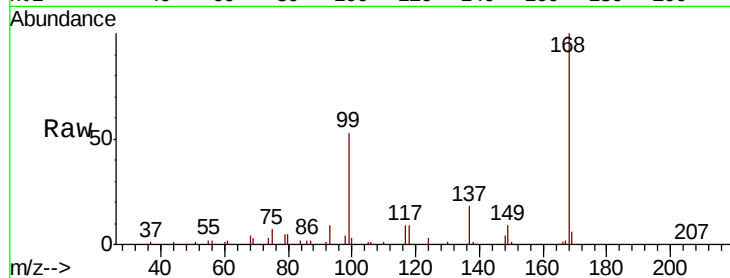
Tot Ion:117 Resp: 27016

Ion Ratio Lower Upper

117 100

119 4.8 74.7 112.1#

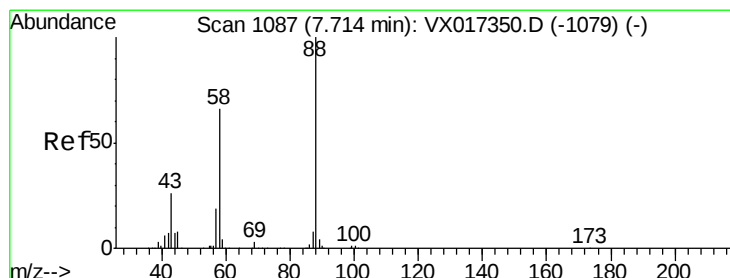
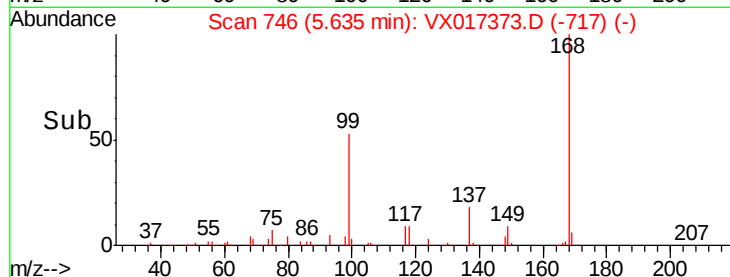
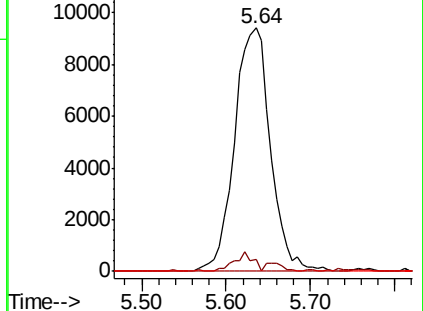
121 0.0 24.5 36.7#



Abundance Ion 116.80 (116.50 to 117.50): V

Ion 118.80 (118.50 to 119.50): V

Ion 120.80 (120.50 to 121.50): V



#49

1,4-Dioxane

Concen: 0.322 ug/l

RT: 7.64 min Scan# 1075

Delta R.T. -0.07 min

Lab File: VX017373.D

Acq: 14 Jul 2020 13:03

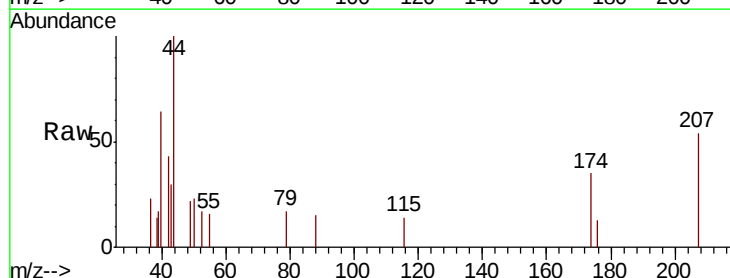
Tgt Ion: 88 Resp: 22

Ion Ratio Lower Upper

88 100

43 977.3 25.6 38.4#

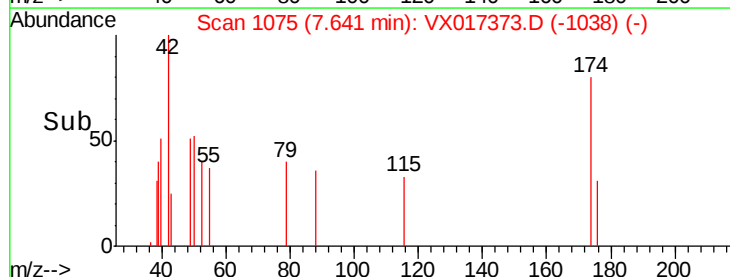
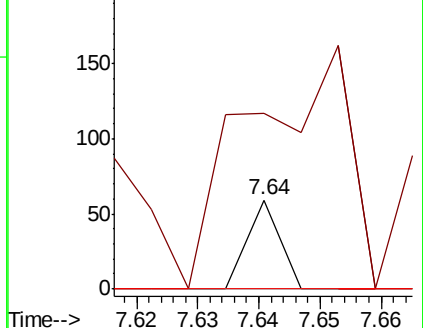
58 0.0 53.9 80.9#

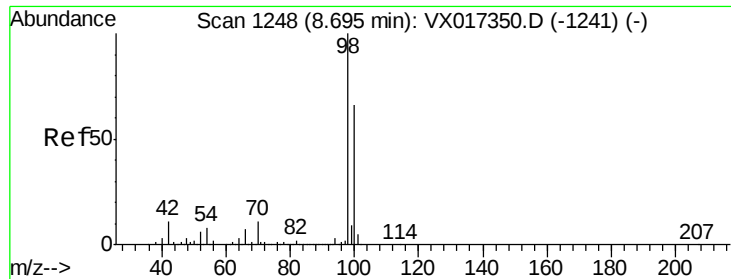


Abundance Ion 88.00 (87.70 to 88.70): VX0

Ion 43.00 (42.70 to 43.70): VX0

Ion 58.00 (57.70 to 58.70): VX0





#50

Toluene-d8

Concen: 50.199 ug/l

RT: 8.70 min Scan# 1248

Delta R.T. -0.00 min

Lab File: VX017373.D

Acq: 14 Jul 2020 13:03

Instrument :

MSVOA_X

ClientSampleId :

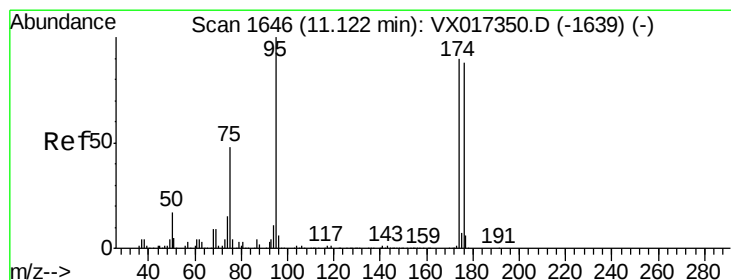
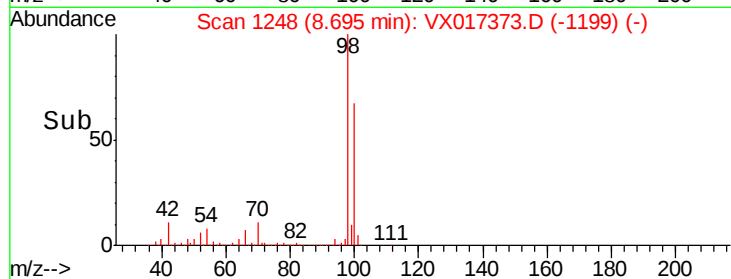
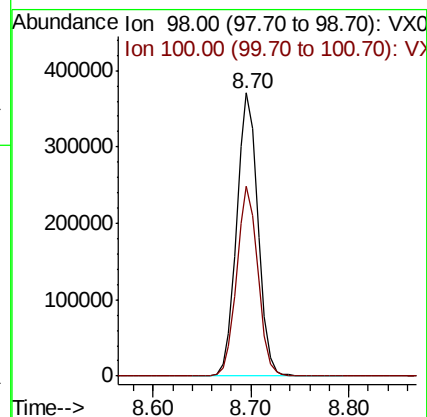
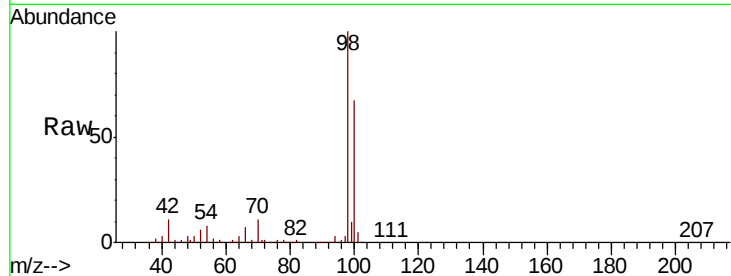
IBLK

Tot Ion: 98 Resp: 557615

Ion Ratio Lower Upper

98 100

100 66.6 53.4 80.2



#62

4-Bromofluorobenzene

Concen: 53.968 ug/l

RT: 11.12 min Scan# 1646

Delta R.T. -0.00 min

Lab File: VX017373.D

Acq: 14 Jul 2020 13:03

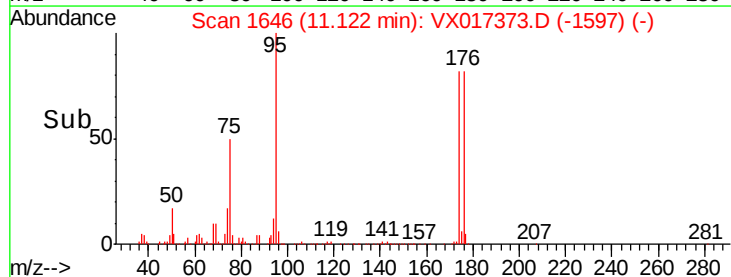
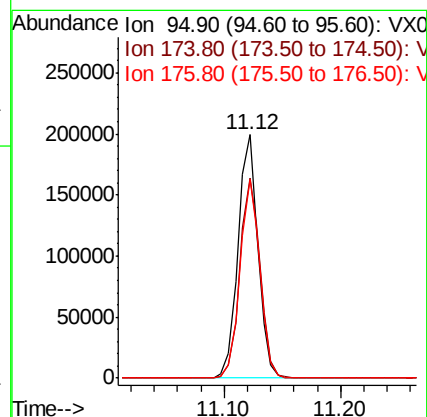
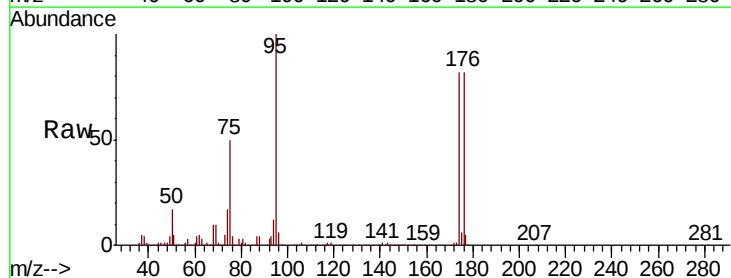
Tgt Ion: 95 Resp: 238122

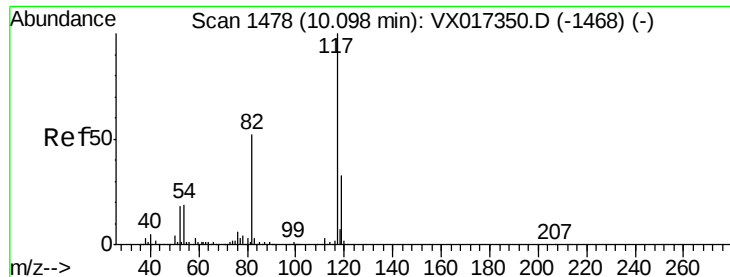
Ion Ratio Lower Upper

95 100

174 83.6 0.0 175.8

176 81.5 0.0 164.6

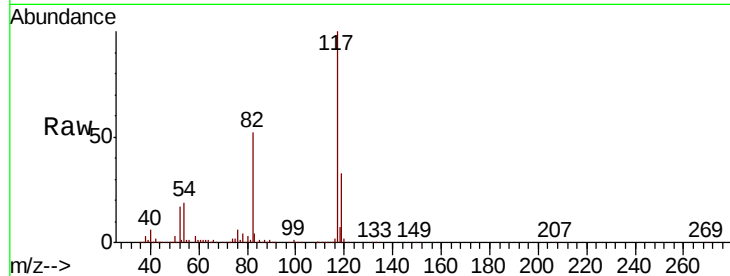




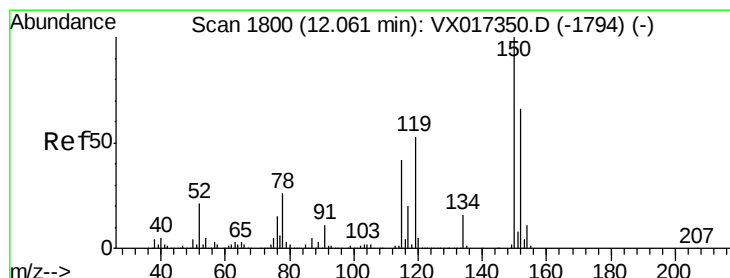
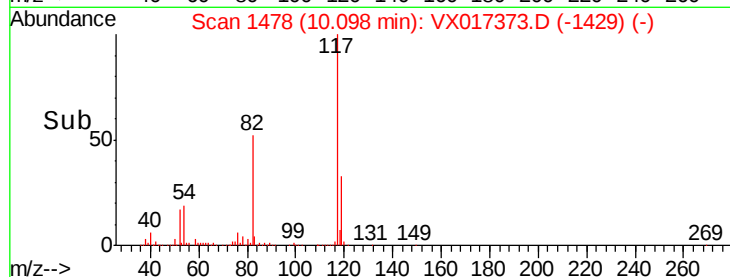
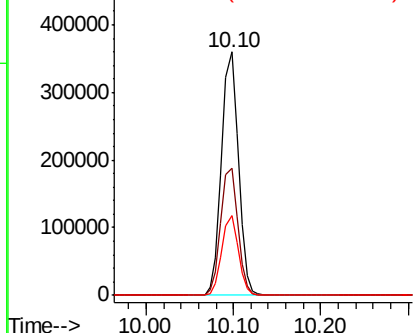
#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 10.10 min Scan# 1478
Delta R.T. -0.00 min
Lab File: VX017373.D
Acq: 14 Jul 2020 13:03

Instrument :
MSVOA_X
ClientSampleId :
IBLK

Tot Ion:117 Resp: 480676
Ion Ratio Lower Upper
117 100
82 52.2 42.0 63.0
119 32.9 26.3 39.5

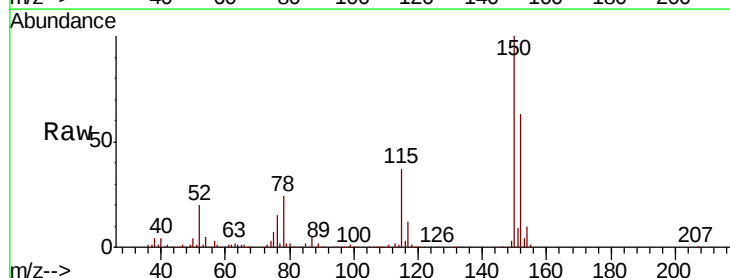


Abundance Ion 116.90 (116.60 to 117.60): V
Ion 82.00 (81.70 to 82.70): VX0
Ion 118.90 (118.60 to 119.60): V

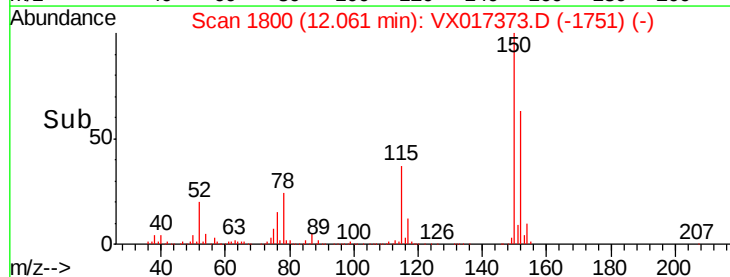
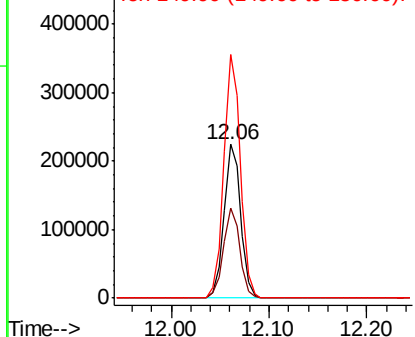


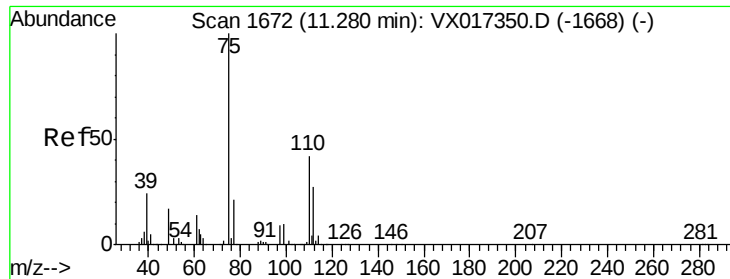
#72
1,4-Dichlorobenzene-d4
Concen: 50.000 ug/l
RT: 12.06 min Scan# 1800
Delta R.T. -0.00 min
Lab File: VX017373.D
Acq: 14 Jul 2020 13:03

Tgt Ion:152 Resp: 263320
Ion Ratio Lower Upper
152 100
115 57.9 39.9 119.7
150 158.0 0.0 343.4



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: 24.470 ug/l

RT: 11.12 min Scan# 1646

Delta R.T. -0.16 min

Lab File: VX017373.D

Acq: 14 Jul 2020 13:03

Instrument :

MSVOA_X

ClientSampled :

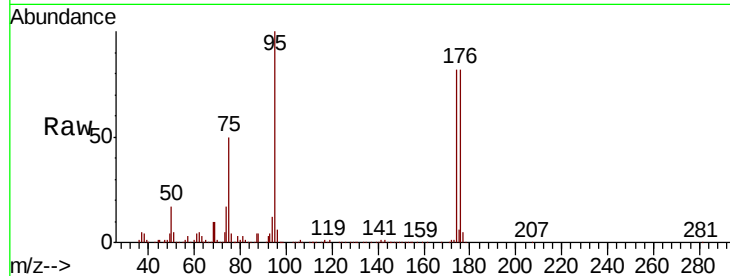
IBLK

Tot Ion: 75 Resp: 119066

Ion Ratio Lower Upper

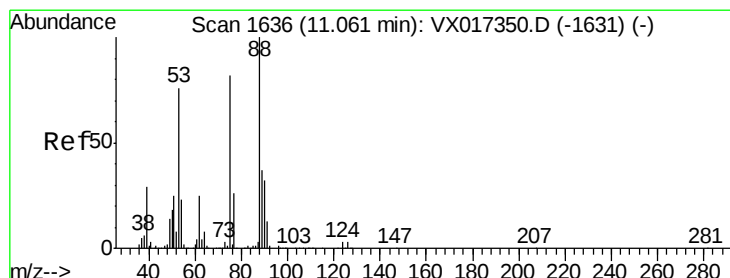
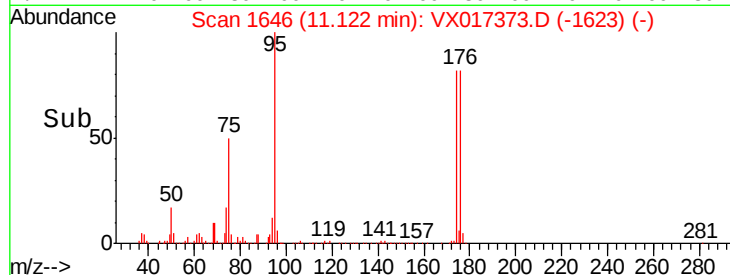
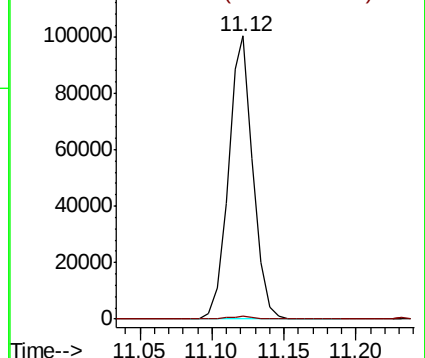
75 100

77 1.2 20.3 60.9#



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: 62.076 ug/l

RT: 11.12 min Scan# 1646

Delta R.T. 0.06 min

Lab File: VX017373.D

Acq: 14 Jul 2020 13:03

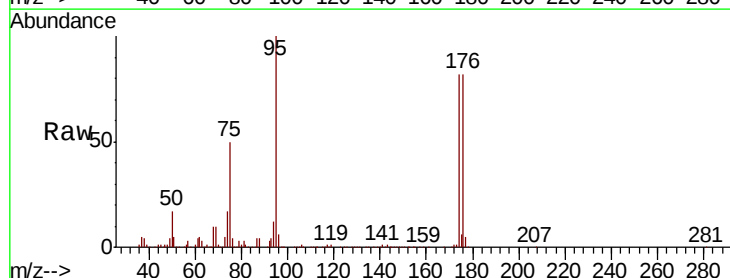
Tgt Ion: 75 Resp: 119066

Ion Ratio Lower Upper

75 100

53 0.3 76.5 114.7#

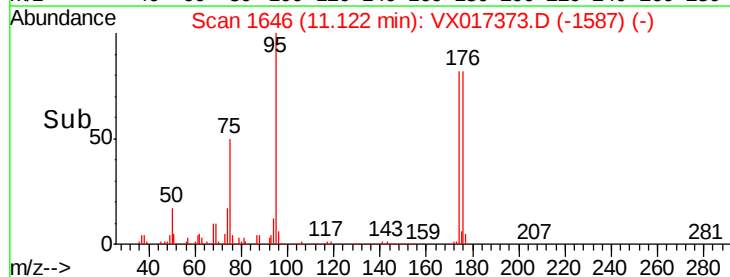
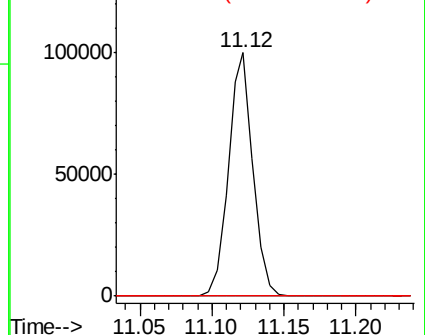
89 0.0 38.1 57.1#

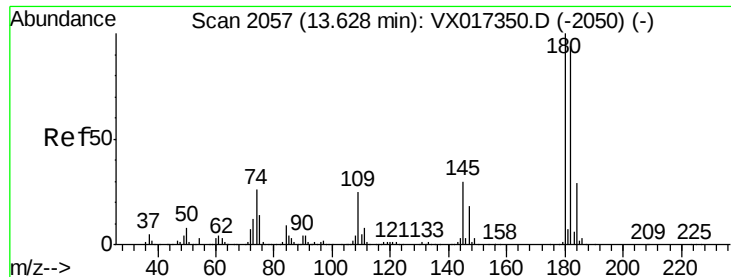


Abundance Ion 74.90 (74.60 to 75.60): VX0

Ion 53.00 (52.70 to 53.70): VX0

Ion 88.90 (88.60 to 89.60): VX0

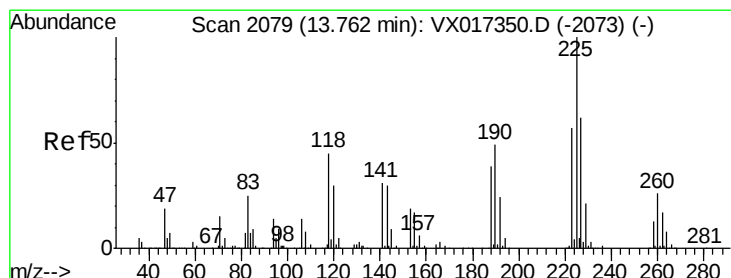
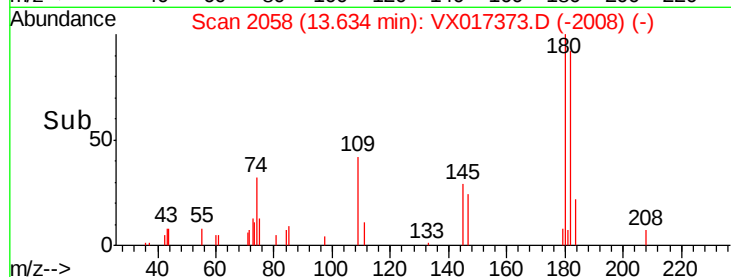
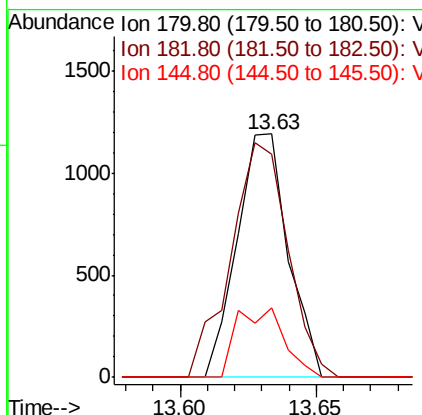
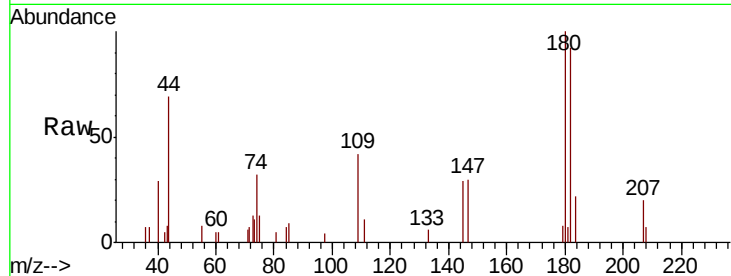




#93
 1,2,4-Trichlorobenzene
 Concen: 0.282 ug/l
 RT: 13.63 min Scan# 2058
 Delta R.T. 0.01 min
 Lab File: VX017373.D
 Acq: 14 Jul 2020 13:03

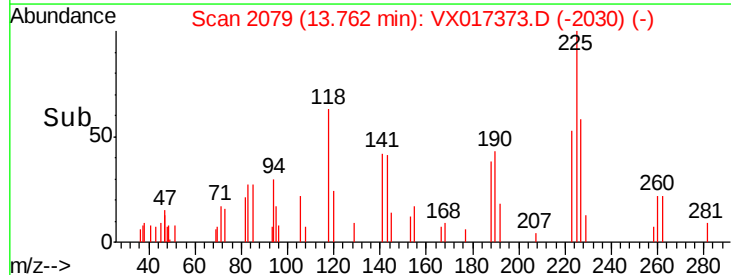
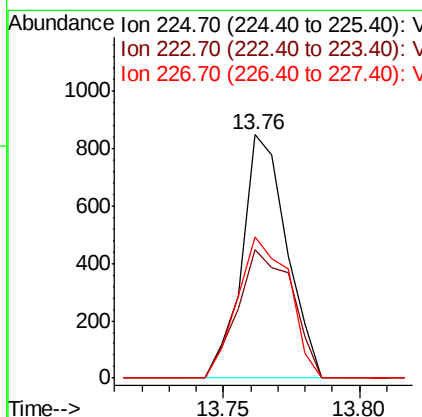
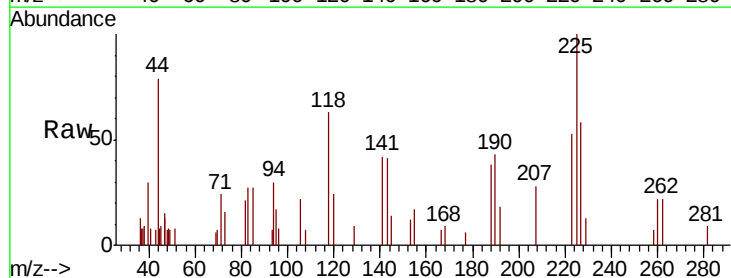
Instrument :
 MSVOA_X
 ClientSampleId :
 IBLK

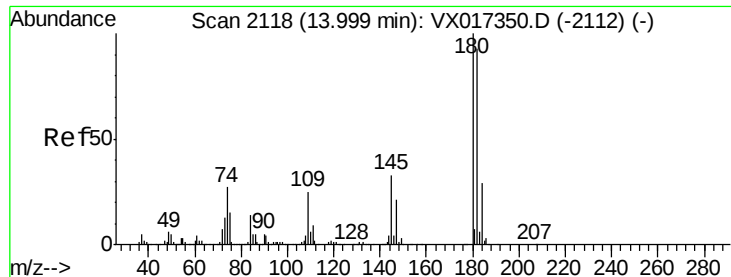
Tot Ion:180 Resp: 1548
 Ion Ratio Lower Upper
 180 100
 182 108.0 48.4 145.0
 145 26.6 15.3 45.8



#94
 Hexachlorobutadiene
 Concen: 0.432 ug/l
 RT: 13.76 min Scan# 2079
 Delta R.T. -0.00 min
 Lab File: VX017373.D
 Acq: 14 Jul 2020 13:03

Tgt Ion:225 Resp: 966
 Ion Ratio Lower Upper
 225 100
 223 64.5 31.3 93.8
 227 66.8 31.6 95.0





#96

1,2,3-Trichlorobenzene

Concen: 0.294 ug/l

RT: 14.00 min Scan# 2118

Delta R.T. -0.00 min

Lab File: VX017373.D

Acq: 14 Jul 2020 13:03

Instrument :

MSVOA_X

ClientSampleId :

IBLK

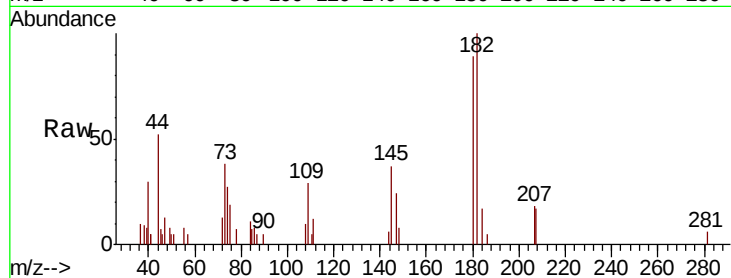
Tot Ion:180 Resp: 1559

Ion Ratio Lower Upper

180 100

182 90.0 48.8 146.3

145 33.3 16.6 49.7



Abundance

Ion 179.80 (179.50 to 180.50): V

Ion 181.80 (181.50 to 182.50): V

Ion 144.90 (144.60 to 145.60): V

