

Data Path : Z:\VOASRV\HPCHEM1\MSVOA X\DATA\VX032720\
 Data File : VX015378.D
 Acq On : 27 Mar 2020 13:57
 Operator : JC/SP
 Sample : IBLK
 Misc : 5.0mL/MSVOA X/WATER
 ALS Vial : 7 Sample Multiplier: 1

Instrument :
 MSVOA_X
 ClientSampleId :
 IBLK

Quant Time: Mar 30 01:42:20 2020
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_X\METHOD\82X032720W.M
 Quant Title : SW846 8260
 QLast Update : Fri Mar 27 09:35:51 2020
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Pentafluorobenzene	5.63	168	1225691	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	6.83	114	1965427	50.00	ug/l	0.00
63) Chlorobenzene-d5	10.10	117	1851529	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	12.06	152	948162	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	794733	45.97	ug/l	0.00
Spiked Amount			Recovery	=	91.94%	
35) Dibromofluoromethane	5.47	113	631140	50.24	ug/l	0.00
Spiked Amount			Recovery	=	100.48%	
50) Toluene-d8	8.70	98	2388292	51.63	ug/l	0.00
Spiked Amount			Recovery	=	103.26%	
62) 4-Bromofluorobenzene	11.12	95	1002314	53.32	ug/l	0.00
Spiked Amount			Recovery	=	106.64%	

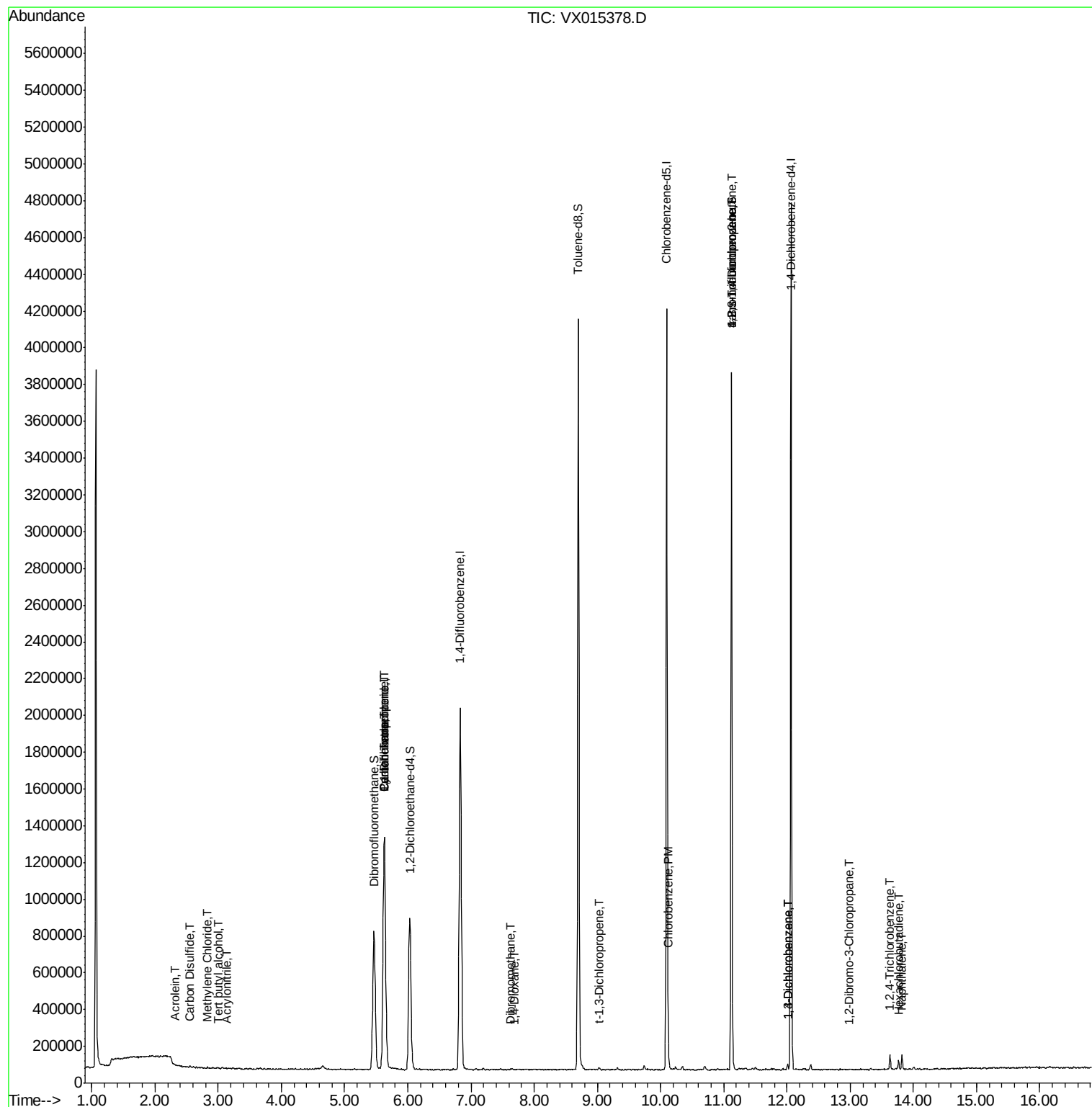
Target Compounds	R.T.	QIon	Response	Conc	Units	Qvalue
5) Bromomethane	1.64	94	1855	Below Cal	#	29
11) Tert butyl alcohol	3.00	59	5608	1.355	ug/l #	70
13) Acrolein	2.32	56	665	0.282	ug/l #	15
15) Acrylonitrile	3.13	53	2741	0.347	ug/l #	41
17) Carbon Disulfide	2.55	76	10522	0.298	ug/l #	88
20) Methylene Chloride	2.84	84	3367	0.243	ug/l #	71
31) Cyclohexane	5.62	56	24295	1.110	ug/l #	1
36) 1,1-Dichloropropene	5.62	75	95847	5.293	ug/l #	52
38) Carbon Tetrachloride	5.63	117	116178	5.923	ug/l #	15
46) Dibromomethane	7.63	93	3116	0.327	ug/l #	35
49) 1,4-Dioxane	7.68	88	857	2.311	ug/l #	72
53) t-1,3-Dichloropropene	9.03	75	7188	0.302	ug/l #	84
65) Chlorobenzene	10.12	112	8096	0.219	ug/l	93
76) 1,2,3-Trichloropropane	11.12	75	507689	26.038	ug/l #	35
81) trans-1,4-Dichloro-2-buten	11.12	75	507689	62.476	ug/l #	10
87) 1,3-Dichlorobenzene	12.01	146	10810	0.364	ug/l	96
88) 1,4-Dichlorobenzene	12.01	146	10810	0.358	ug/l	95
92) 1,2-Dibromo-3-Chloropropan	12.98	75	1705	0.283	ug/l	65
93) 1,2,4-Trichlorobenzene	13.63	180	19072	0.831	ug/l	85
94) Hexachlorobutadiene	13.77	225	9065	0.829	ug/l	95
95) Naphthalene	13.82	128	49440	0.706	ug/l #	95

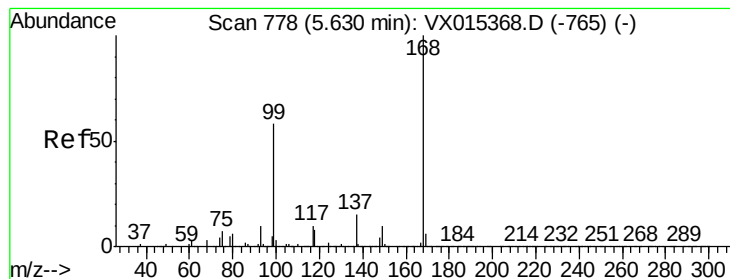
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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Quant Title : SW846 8260
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#1

Pentafluorobenzene

Concen: 50.000 ug/l

RT: 5.63 min Scan# 778

Delta R.T. -0.00 min

Lab File: VX015378.D

Acq: 27 Mar 2020 13:57

Instrument :

MSVOA_X

ClientSampleId :

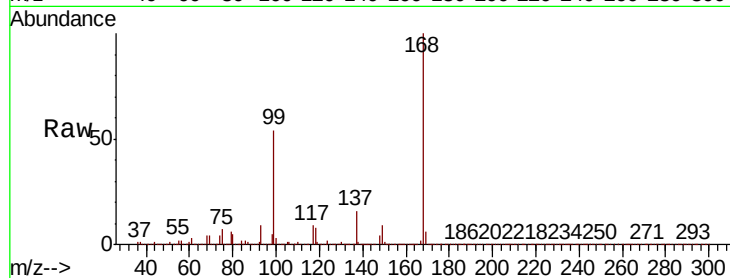
IBLK

Tot Ion:168 Resp: 1225691

Ion Ratio Lower Upper

168 100

99 53.5 46.4 69.6



Abundance Ion 167.90 (167.60 to 168.60): V

Ion 98.90 (98.60 to 99.60): VX0

5.63

400000

300000

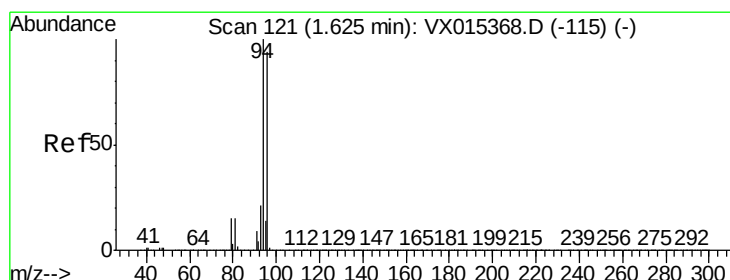
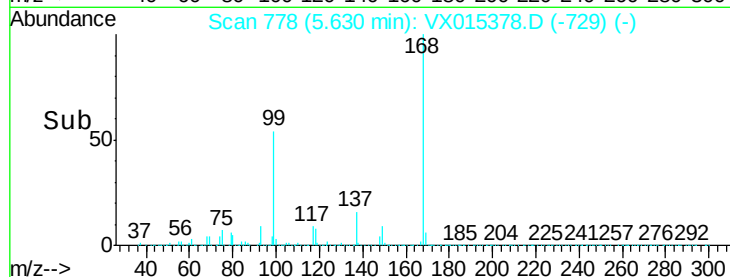
200000

100000

0

5.50 5.60 5.70 5.80

Time-->



#5

Bromomethane

Concen: Below Cal

RT: 1.64 min Scan# 123

Delta R.T. 0.01 min

Lab File: VX015378.D

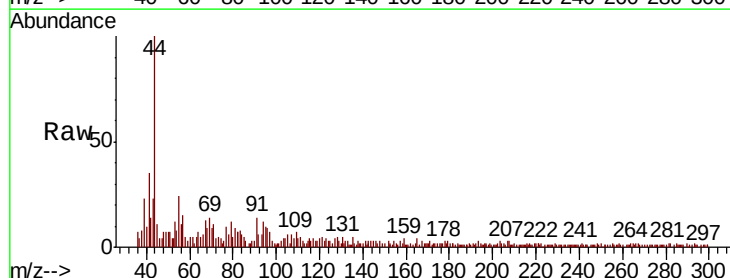
Acq: 27 Mar 2020 13:57

Tgt Ion: 94 Resp: 1855

Ion Ratio Lower Upper

94 100

96 25.5 74.8 112.2#



Abundance Ion 93.90 (93.60 to 94.60): VX0

Ion 95.90 (95.60 to 96.60): VX0

1.64

1500

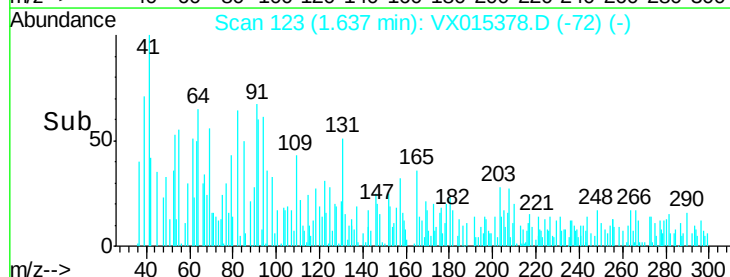
1000

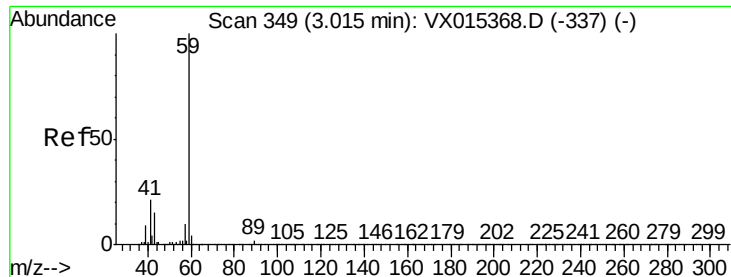
500

0

1.60 1.65 1.70

Time-->



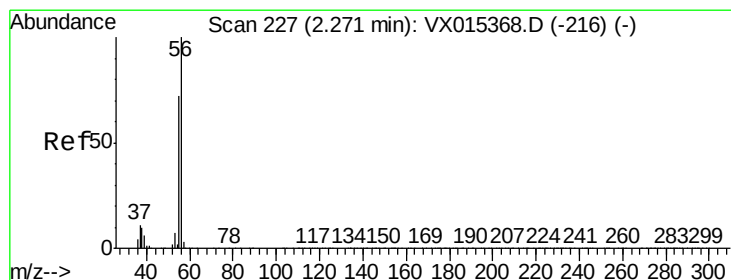
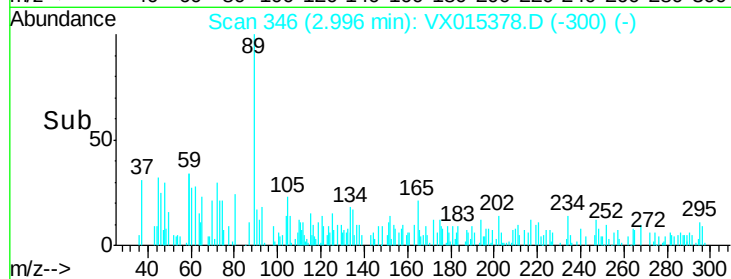
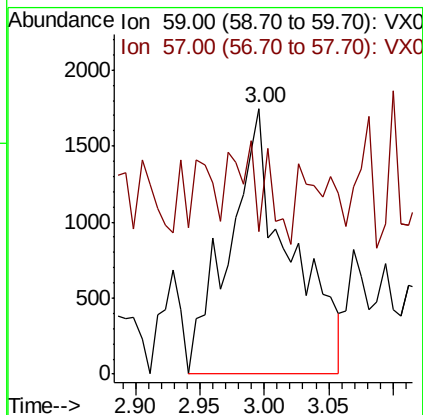
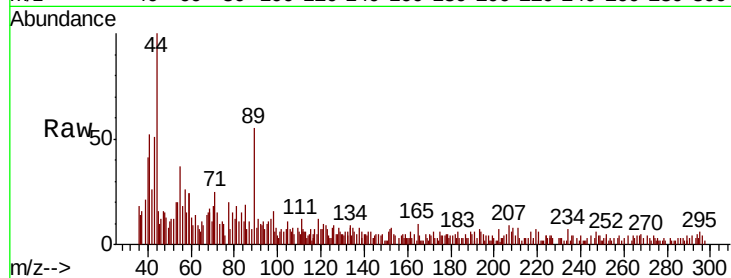


#11

Tert butyl alcohol
Concen: 1.355 ug/l
RT: 3.00 min Scan# 346
Delta R.T. -0.02 min
Lab File: VX015378.D
Acq: 27 Mar 2020 13:57

Instrument :
MSVOA_X
ClientSampled :
IBLK

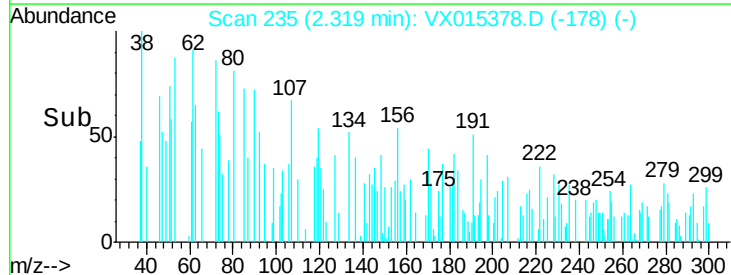
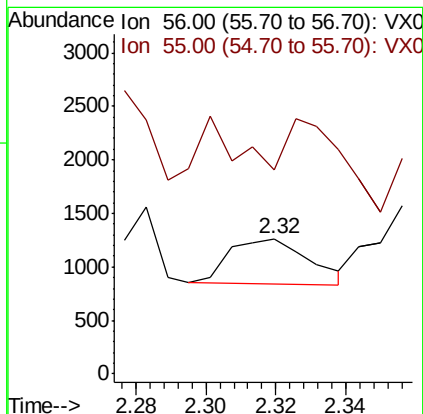
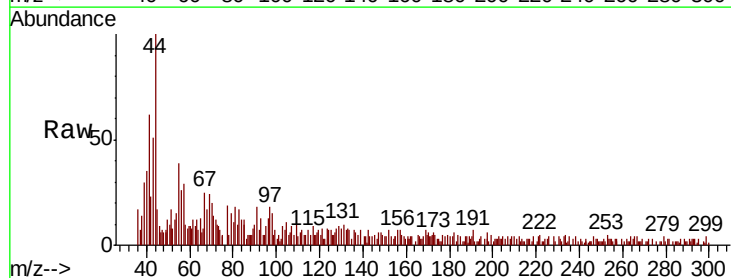
Tot Ion: 59 Resp: 5608
Ion Ratio Lower Upper
59 100
57 21.1 8.1 12.1#

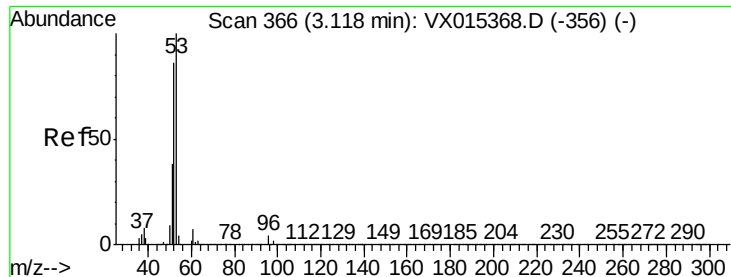


#13

Acrolein
Concen: 0.282 ug/l
RT: 2.32 min Scan# 235
Delta R.T. 0.05 min
Lab File: VX015378.D
Acq: 27 Mar 2020 13:57

Tgt Ion: 56 Resp: 665
Ion Ratio Lower Upper
56 100
55 142.0 57.0 85.4#





#15

Acrylonitrile

Concen: 0.347 ug/l

RT: 3.13 min Scan# 368

Delta R.T. 0.01 min

Lab File: VX015378.D

Acq: 27 Mar 2020 13:57

Instrument :

MSVOA_X

ClientSampled :

IBLK

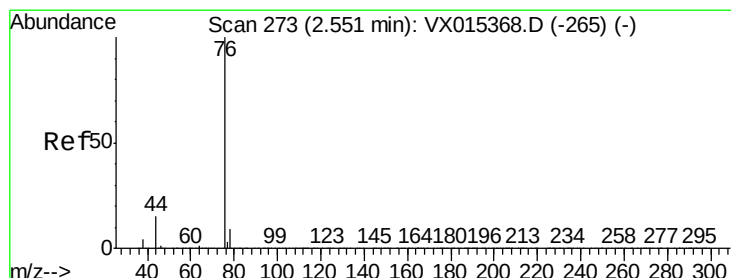
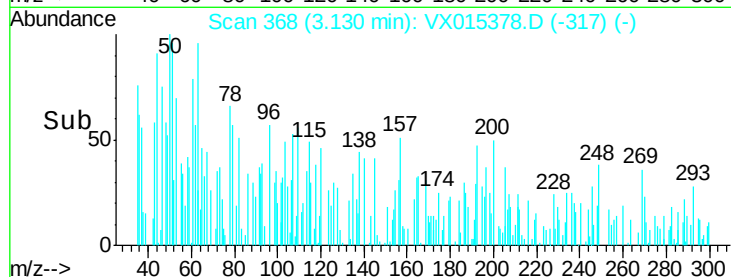
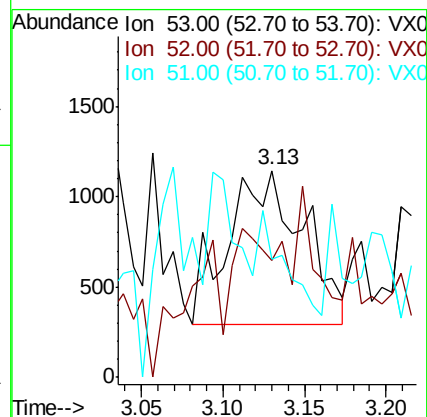
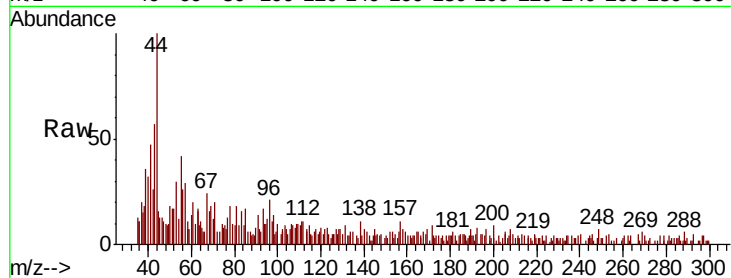
Tot Ion: 53 Resp: 2741

Ion Ratio Lower Upper

53 100

52 31.6 66.8 100.2#

51 0.0 29.5 44.3#



#17

Carbon Disulfide

Concen: 0.298 ug/l

RT: 2.55 min Scan# 273

Delta R.T. -0.00 min

Lab File: VX015378.D

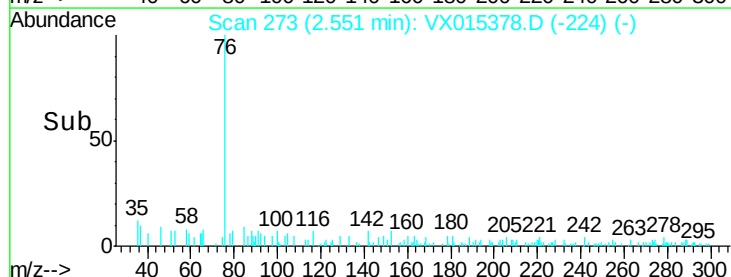
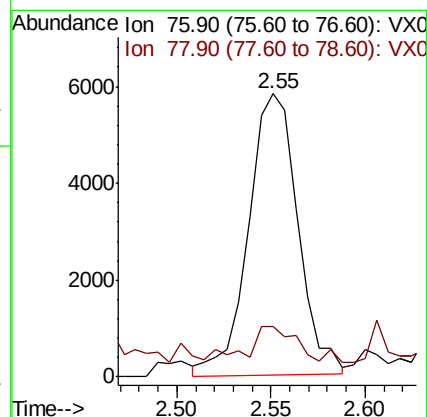
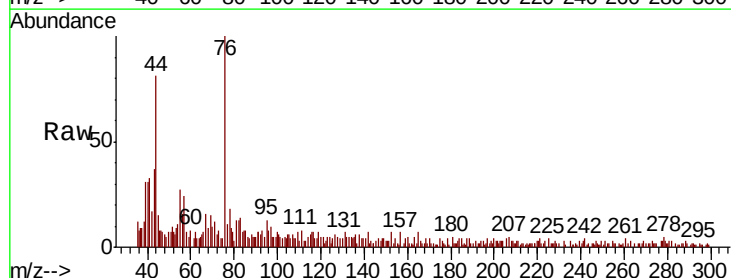
Acq: 27 Mar 2020 13:57

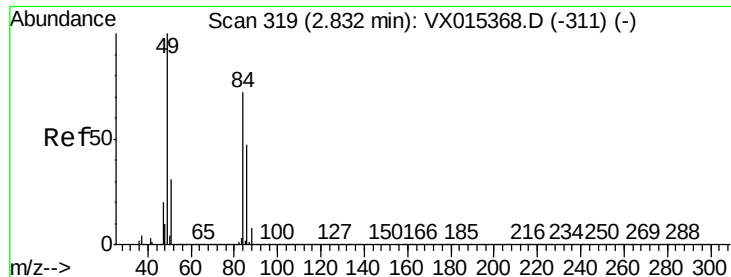
Tgt Ion: 76 Resp: 10522

Ion Ratio Lower Upper

76 100

78 13.1 7.1 10.7#

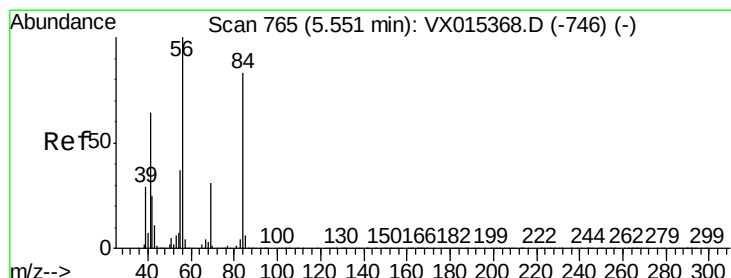
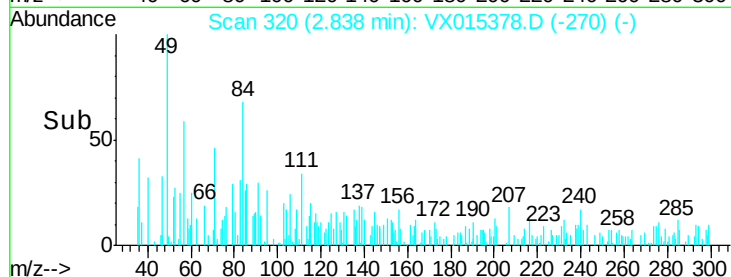
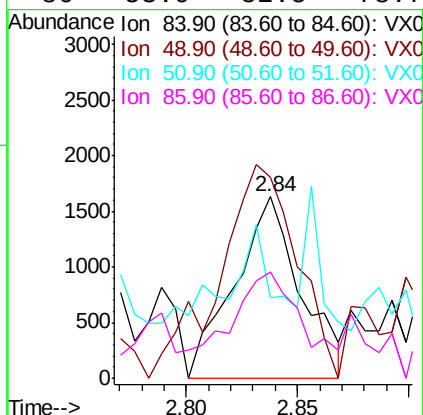
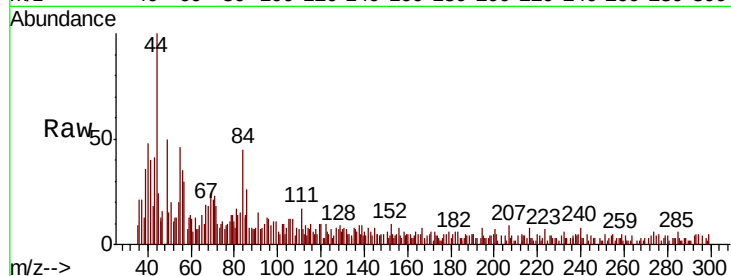




#20
Methylene Chloride
Concen: 0.243 ug/l
RT: 2.84 min Scan# 320
Delta R.T. 0.01 min
Lab File: VX015378.D
Acq: 27 Mar 2020 13:57

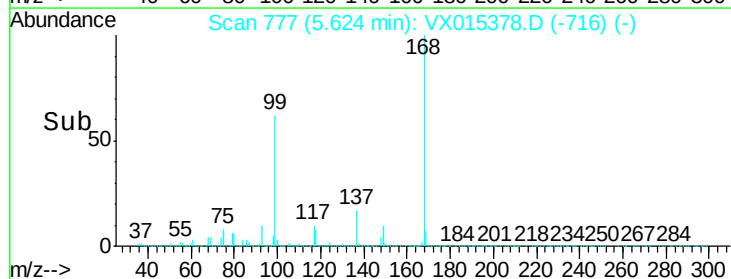
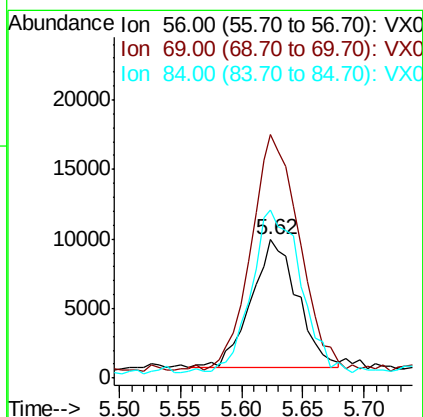
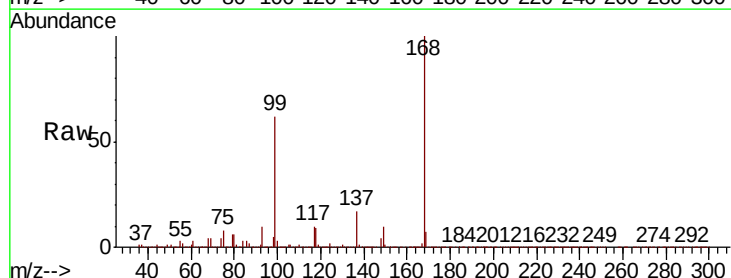
Instrument :
MSVOA_X
ClientSampled :
IBLK

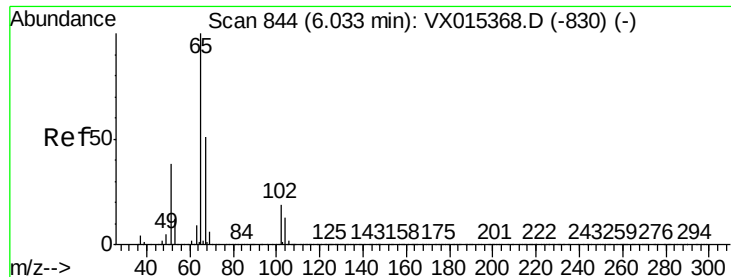
Tot Ion: 84 Resp: 3367
Ion Ratio Lower Upper
84 100
49 99.3 111.3 166.9#
51 17.2 34.0 51.0#
86 53.9 52.5 78.7



#31
Cyclohexane
Concen: 1.110 ug/l
RT: 5.62 min Scan# 777
Delta R.T. 0.07 min
Lab File: VX015378.D
Acq: 27 Mar 2020 13:57

Tgt Ion: 56 Resp: 24295
Ion Ratio Lower Upper
56 100
69 183.2 24.6 36.8#
84 125.2 66.1 99.1#





#33

1,2-Dichloroethane-d4

Concen: 45.973 ug/l

RT: 6.03 min Scan# 844

Delta R.T. -0.00 min

Lab File: VX015378.D

Acq: 27 Mar 2020 13:57

Instrument :

MSVOA_X

ClientSampleId :

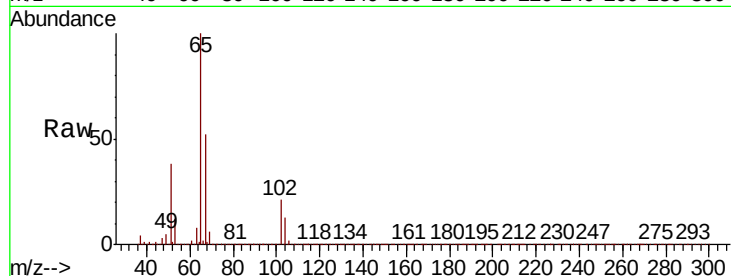
IBLK

Tot Ion: 65 Resp: 794733

Ion Ratio Lower Upper

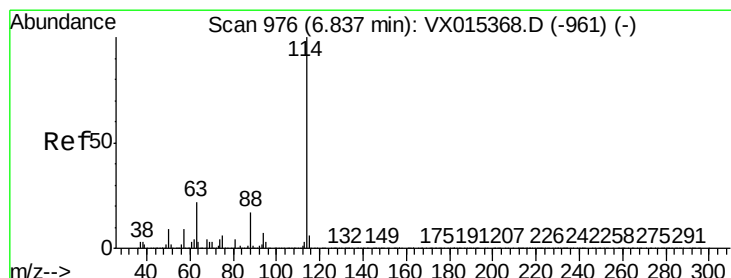
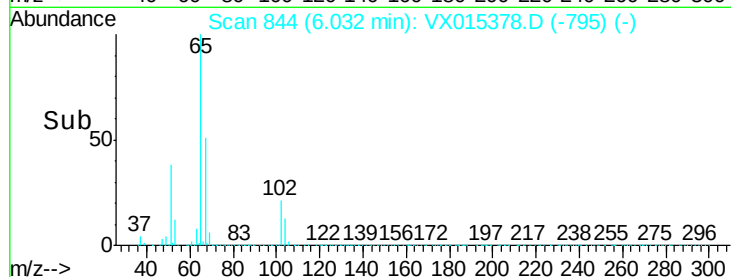
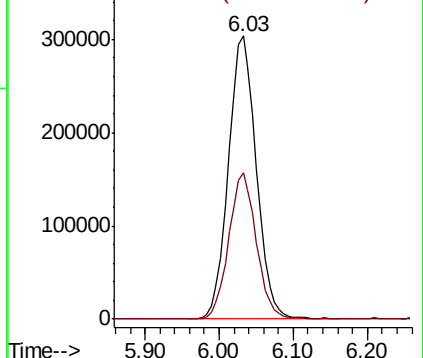
65 100

67 50.5 0.0 102.6



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# 975

Delta R.T. -0.01 min

Lab File: VX015378.D

Acq: 27 Mar 2020 13:57

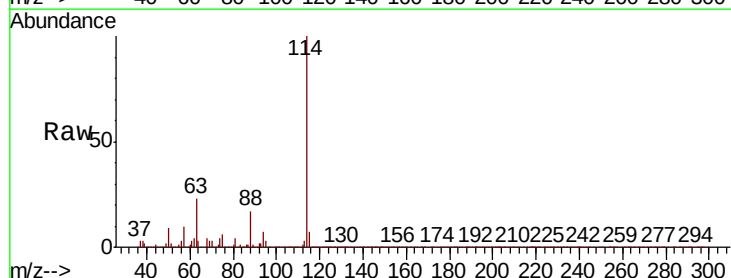
Tgt Ion: 114 Resp: 1965427

Ion Ratio Lower Upper

114 100

63 22.7 0.0 44.2

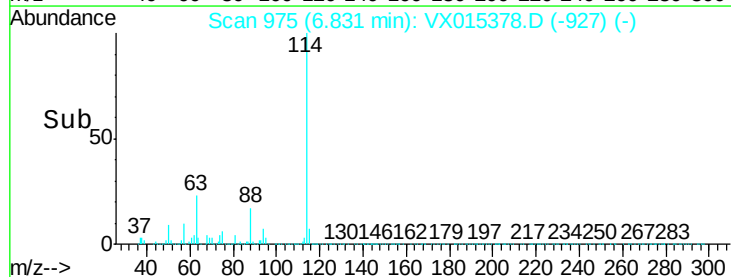
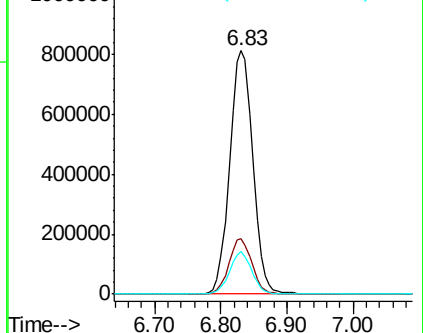
88 17.4 0.0 33.8

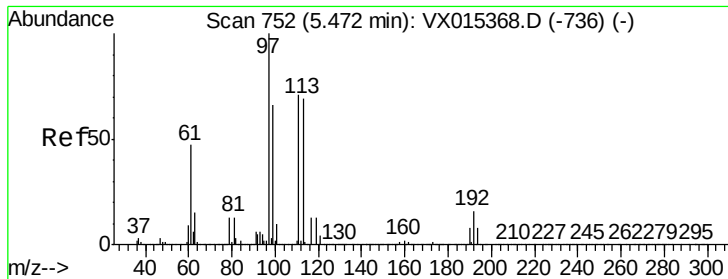


Abundance Ion 113.90 (113.60 to 114.60): V

Ion 63.00 (62.70 to 63.70): VX0

Ion 87.90 (87.60 to 88.60): VX0

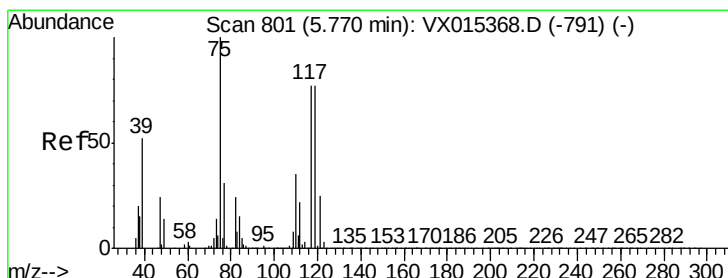
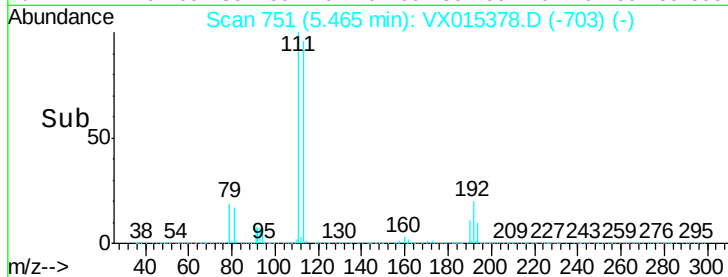
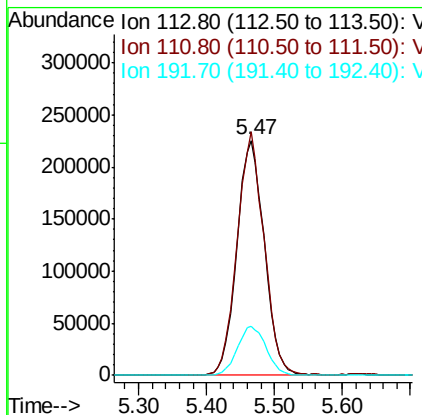
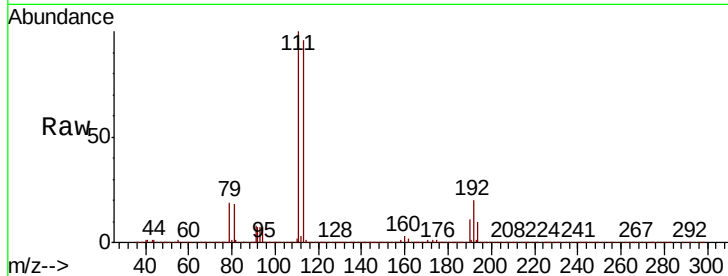




#35
 Dibromofluoromethane
 Concen: 50.236 ug/l
 RT: 5.47 min Scan# 751
 Delta R.T. -0.01 min
 Lab File: VX015378.D
 Acq: 27 Mar 2020 13:57

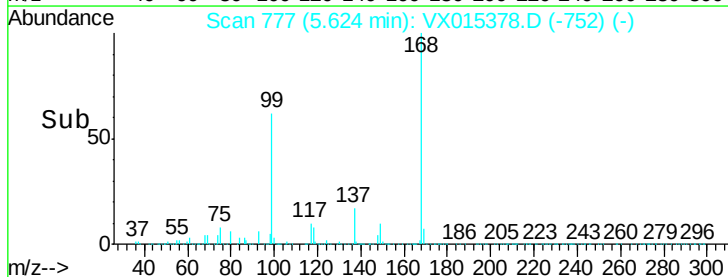
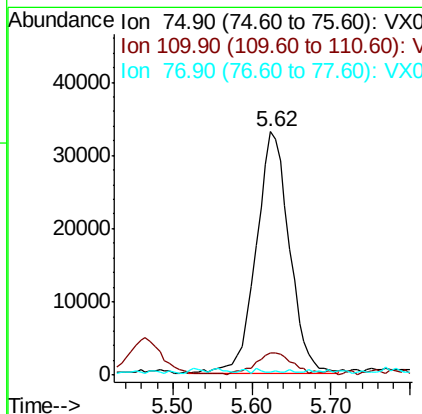
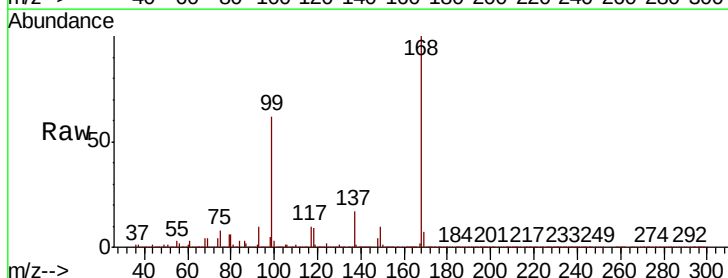
Instrument :
 MSVOA_X
 ClientSampled :
 IBLK

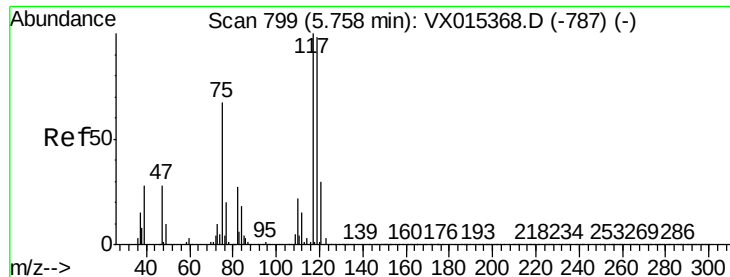
Tot Ion	Ratio	Lower	Upper
113	100		
111	101.0	81.5	122.3
192	21.6	17.8	26.6



#36
 1,1-Dichloropropene
 Concen: 5.293 ug/l
 RT: 5.62 min Scan# 777
 Delta R.T. -0.15 min
 Lab File: VX015378.D
 Acq: 27 Mar 2020 13:57

Tgt Ion	Ratio	Lower	Upper
75	100		
110	10.6	17.1	51.3#
77	0.1	24.6	36.8#





#38

Carbon Tetrachloride

Concen: 5.923 ug/l

RT: 5.63 min Scan# 778

Delta R.T. -0.13 min

Lab File: VX015378.D

Acq: 27 Mar 2020 13:57

Instrument :

MSVOA_X

ClientSampled :

IBLK

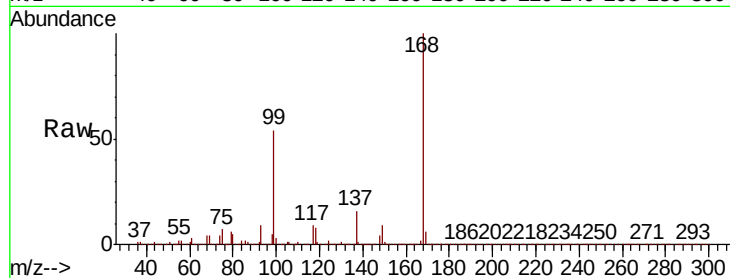
Tot Ion:117 Resp: 116178

Ion Ratio Lower Upper

117 100

119 5.0 78.0 117.0#

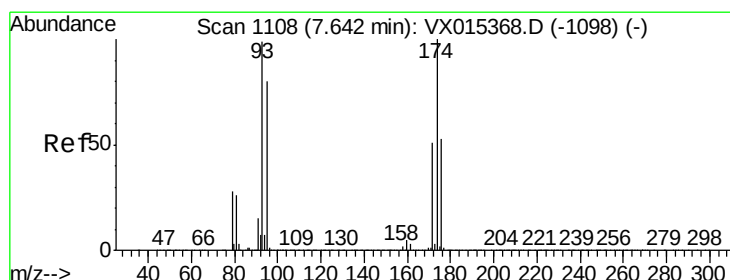
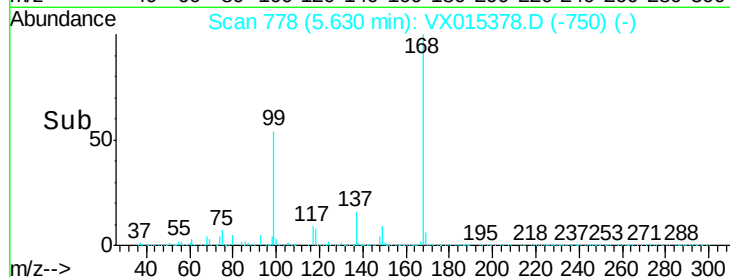
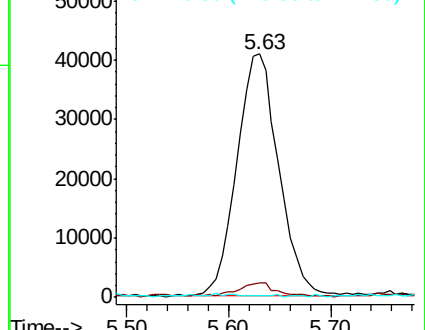
121 0.1 23.8 35.8#



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



#46

Dibromomethane

Concen: 0.327 ug/l

RT: 7.63 min Scan# 1106

Delta R.T. -0.01 min

Lab File: VX015378.D

Acq: 27 Mar 2020 13:57

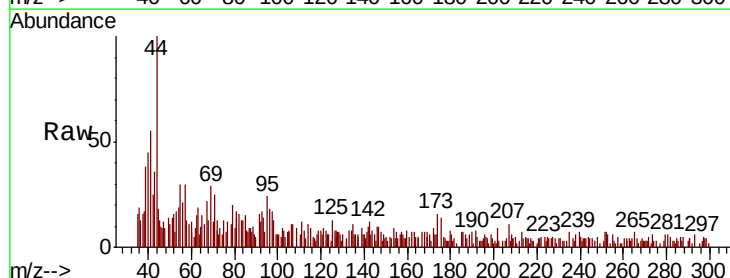
Tgt Ion: 93 Resp: 3116

Ion Ratio Lower Upper

93 100

95 35.7 65.8 98.8#

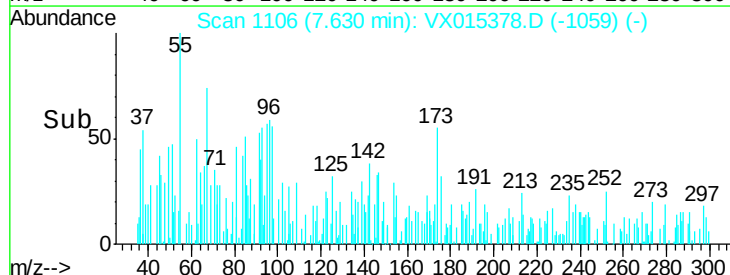
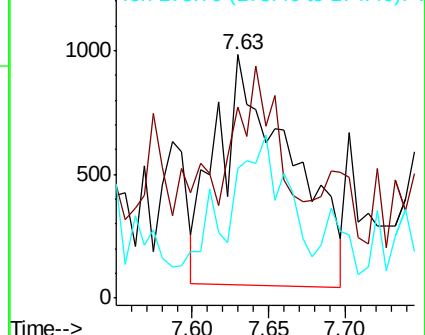
174 29.6 86.2 129.2#

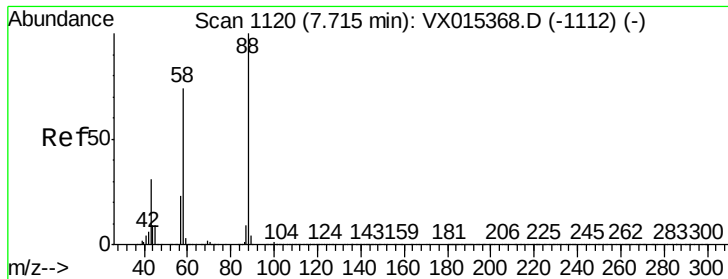


Abundance Ion 92.80 (92.50 to 93.50): VX0

Ion 94.80 (94.50 to 95.50): VX0

Ion 173.70 (173.40 to 174.40): V





#49

1,4-Dioxane

Concen: 2.311 ug/l

RT: 7.68 min Scan# 1115

Delta R.T. -0.03 min

Lab File: VX015378.D

Acq: 27 Mar 2020 13:57

Instrument :

MSVOA_X

ClientSampleId :

IBLK

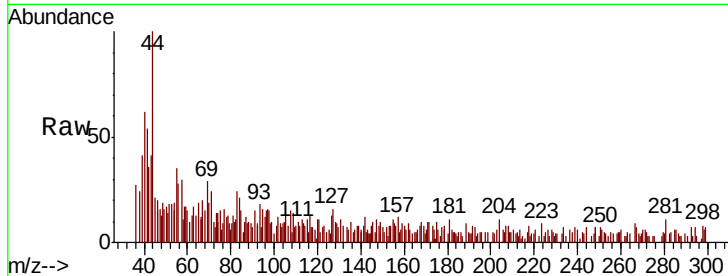
Tot Ion: 88 Resp: 857

Ion Ratio Lower Upper

88 100

43 53.1 30.1 45.1#

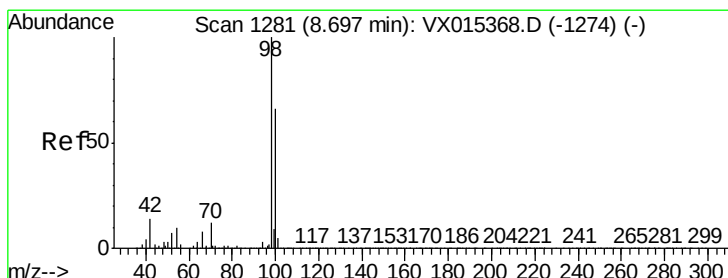
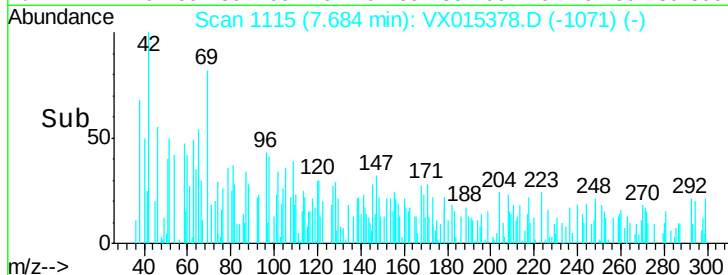
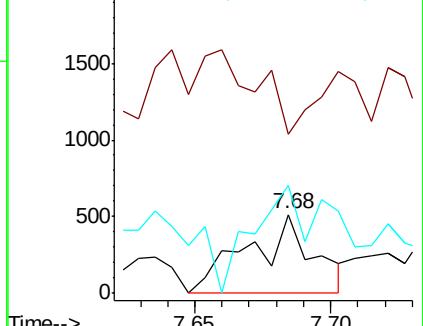
58 101.2 60.6 90.8#



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: 51.632 ug/l

RT: 8.70 min Scan# 1281

Delta R.T. -0.00 min

Lab File: VX015378.D

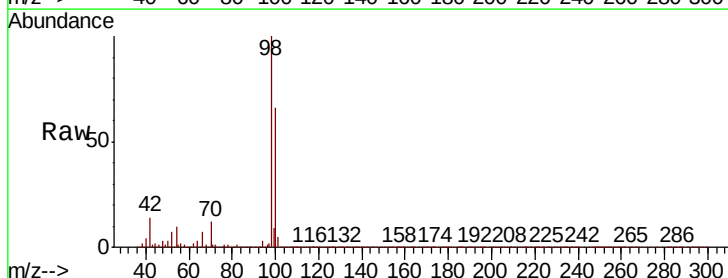
Acq: 27 Mar 2020 13:57

Tgt Ion: 98 Resp: 2388292

Ion Ratio Lower Upper

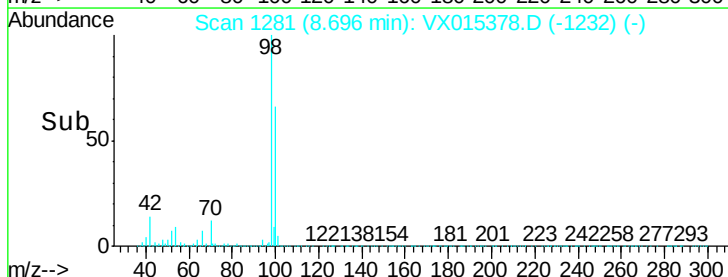
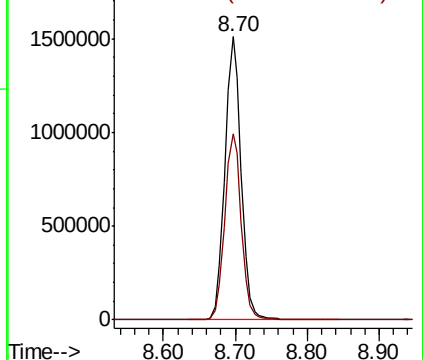
98 100

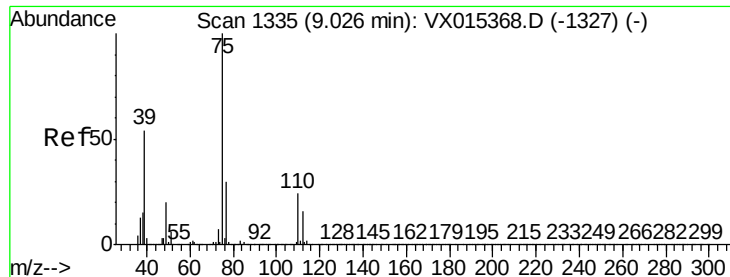
100 66.8 53.5 80.3



Abundance Ion 98.00 (97.70 to 98.70): VX0

Ion 100.00 (99.70 to 100.70): V





#53

t-1,3-Dichloropropene

Concen: 0.302 ug/l

RT: 9.03 min Scan# 1335

Delta R.T. -0.00 min

Lab File: VX015378.D

Acq: 27 Mar 2020 13:57

Instrument :

MSVOA_X

ClientSampleId :

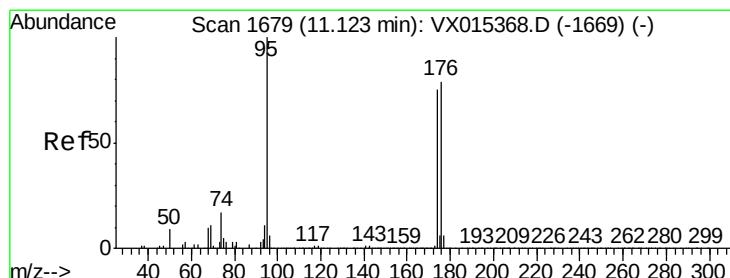
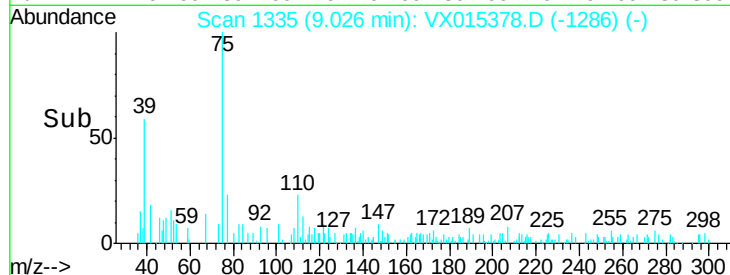
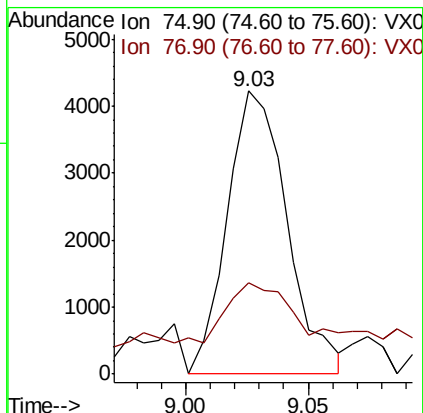
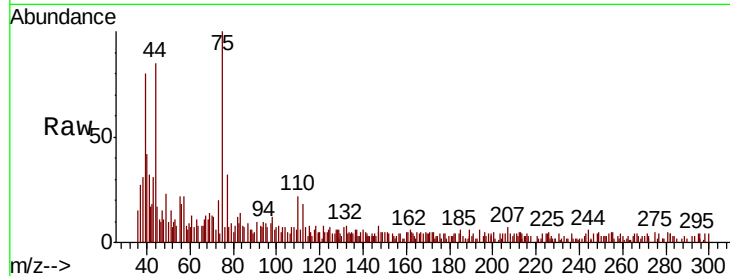
IBLK

Tot Ion: 75 Resp: 7188

Ion Ratio Lower Upper

75 100

77 21.2 24.1 36.1#



#62

4-Bromofluorobenzene

Concen: 53.319 ug/l

RT: 11.12 min Scan# 1679

Delta R.T. -0.00 min

Lab File: VX015378.D

Acq: 27 Mar 2020 13:57

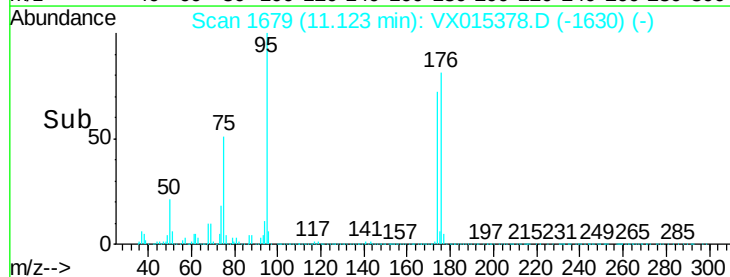
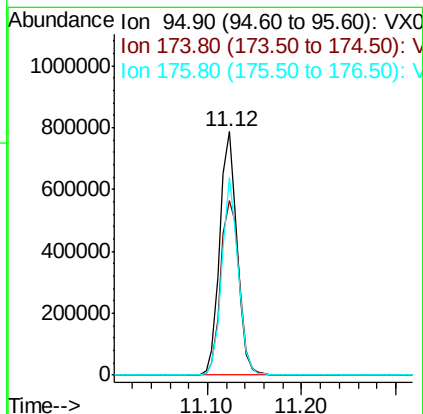
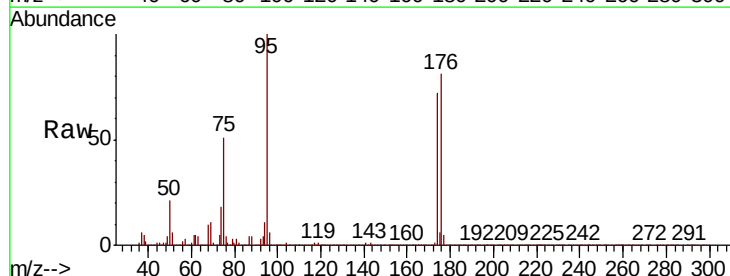
Tgt Ion: 95 Resp: 1002314

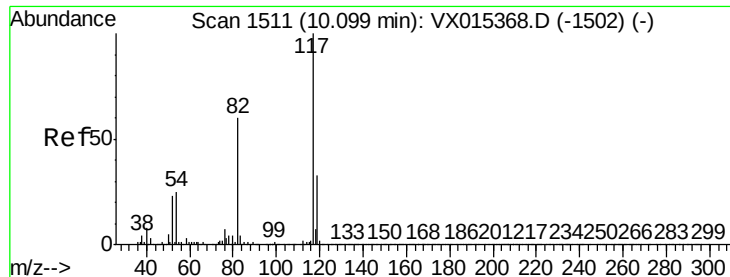
Ion Ratio Lower Upper

95 100

174 77.2 0.0 158.6

176 76.4 0.0 159.0





#63

Chlorobenzene-d5

Concen: 50.000 ug/l

RT: 10.10 min Scan# 1511

Delta R.T. -0.00 min

Lab File: VX015378.D

Acq: 27 Mar 2020 13:57

Instrument :

MSVOA_X

ClientSampleId :

IBLK

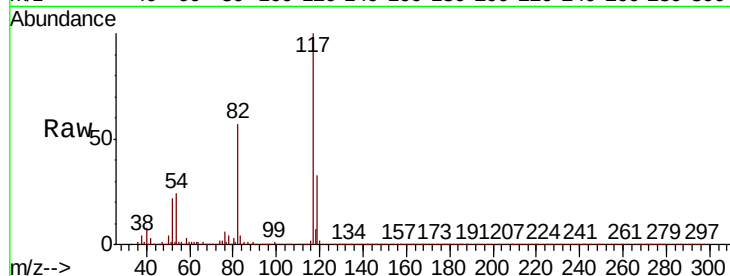
Tot Ion:117 Resp: 1851529

Ion Ratio Lower Upper

117 100

82 57.2 47.8 71.8

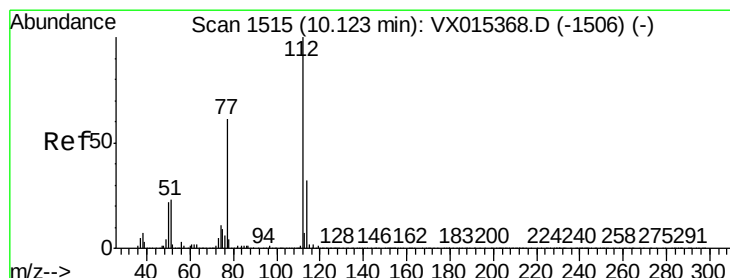
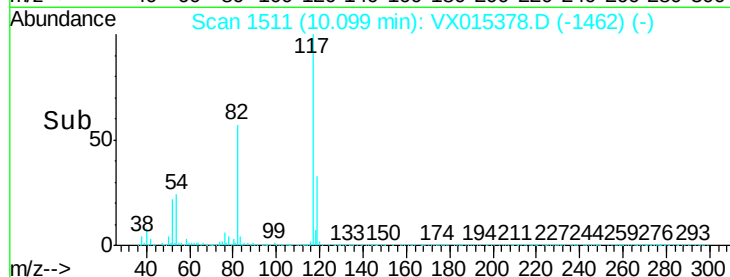
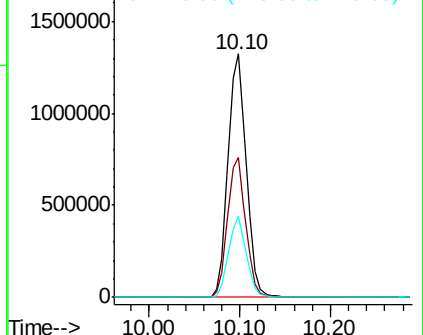
119 33.3 26.8 40.2



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



#65

Chlorobenzene

Concen: 0.219 ug/l

RT: 10.12 min Scan# 1515

Delta R.T. -0.00 min

Lab File: VX015378.D

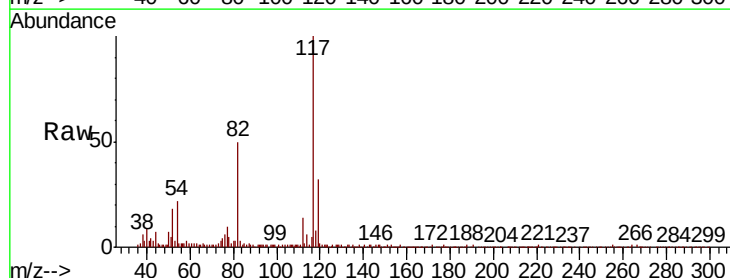
Acq: 27 Mar 2020 13:57

Tgt Ion:112 Resp: 8096

Ion Ratio Lower Upper

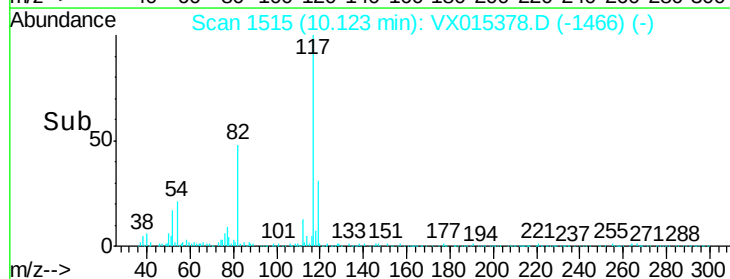
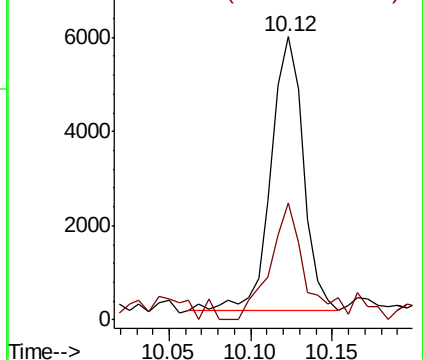
112 100

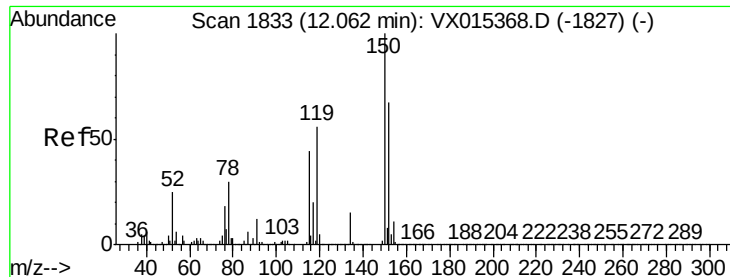
114 35.7 25.5 38.3



Abundance Ion 111.90 (111.60 to 112.60): V

Ion 113.90 (113.60 to 114.60): V

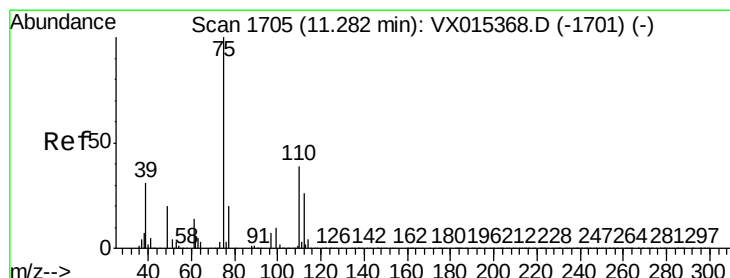
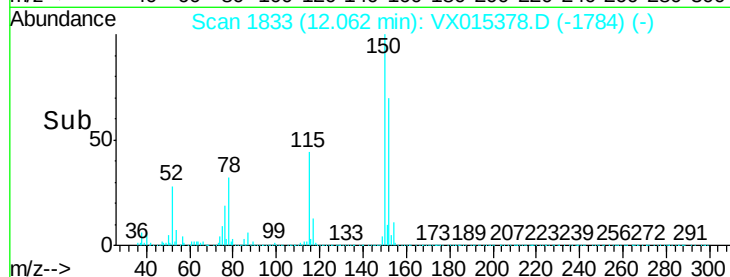
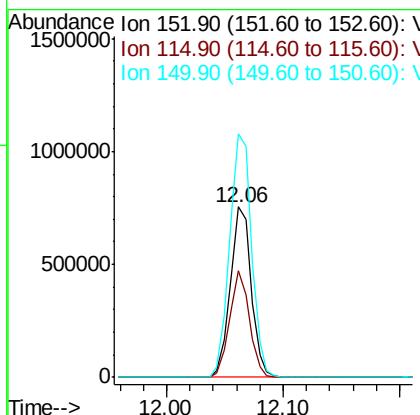
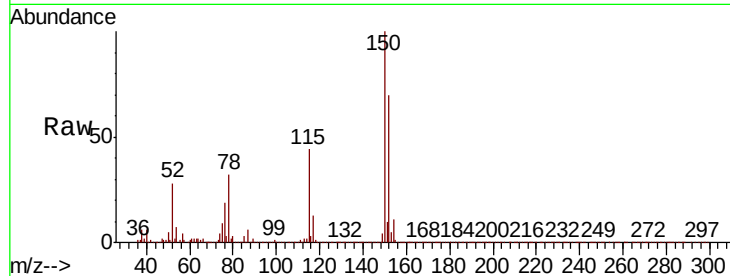




#72
 1,4-Dichlorobenzene-d4
 Concen: 50.000 ug/l
 RT: 12.06 min Scan# 1833
 Delta R.T. -0.00 min
 Lab File: VX015378.D
 Acq: 27 Mar 2020 13:57

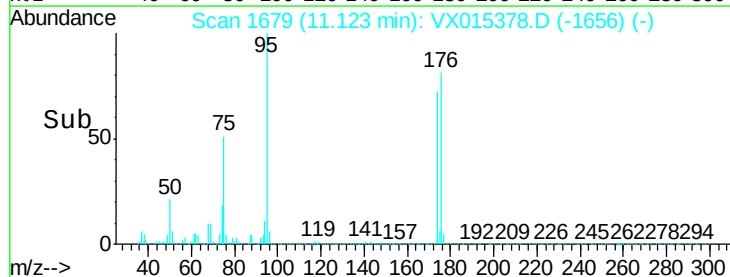
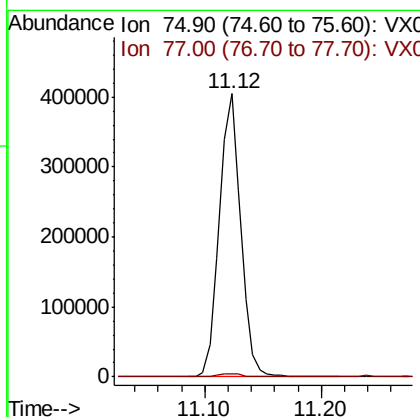
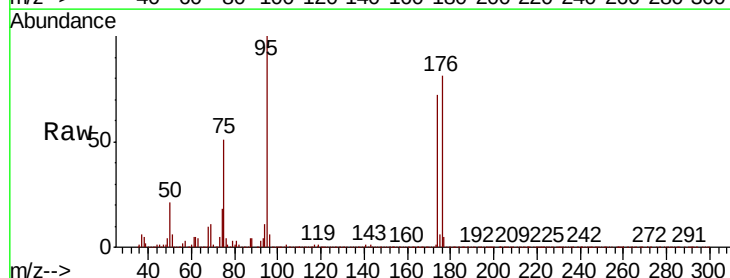
Instrument :
 MSVOA_X
 ClientSampleId :
 IBLK

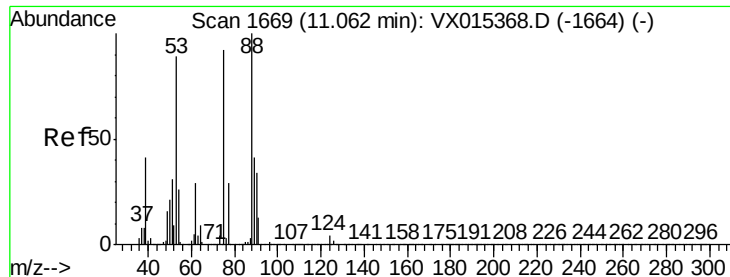
Tot Ion:152 Resp: 948162
 Ion Ratio Lower Upper
 152 100
 115 59.0 39.0 116.9
 150 149.5 0.0 340.8



#76
 1,2,3-Trichloropropane
 Concen: 26.038 ug/l
 RT: 11.12 min Scan# 1679
 Delta R.T. -0.16 min
 Lab File: VX015378.D
 Acq: 27 Mar 2020 13:57

Tgt Ion: 75 Resp: 507689
 Ion Ratio Lower Upper
 75 100
 77 1.0 21.2 63.6#





#81

trans-1,4-Dichloro-2-butene

Concen: 62.476 ug/l

RT: 11.12 min Scan# 1679

Delta R.T. 0.06 min

Lab File: VX015378.D

Acq: 27 Mar 2020 13:57

Instrument :

MSVOA_X

ClientSampled :

IBLK

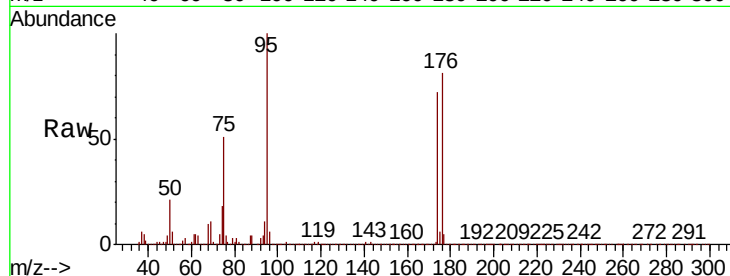
Tot Ion: 75 Resp: 507689

Ion Ratio Lower Upper

75 100

53 0.0 80.1 120.1#

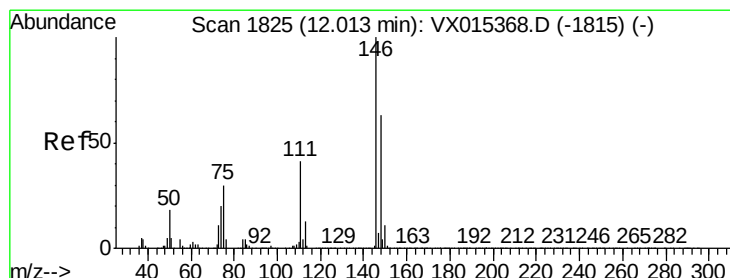
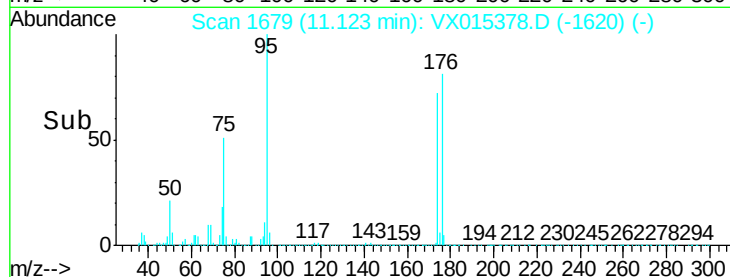
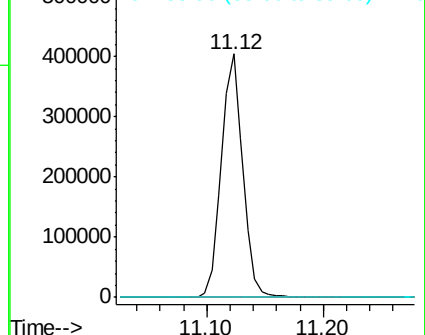
89 0.0 36.1 54.1#



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



#87

1,3-Dichlorobenzene

Concen: 0.364 ug/l

RT: 12.01 min Scan# 1825

Delta R.T. -0.00 min

Lab File: VX015378.D

Acq: 27 Mar 2020 13:57

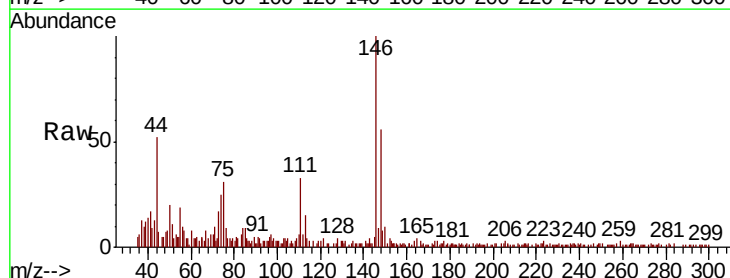
Tgt Ion: 146 Resp: 10810

Ion Ratio Lower Upper

146 100

111 39.2 20.3 60.9

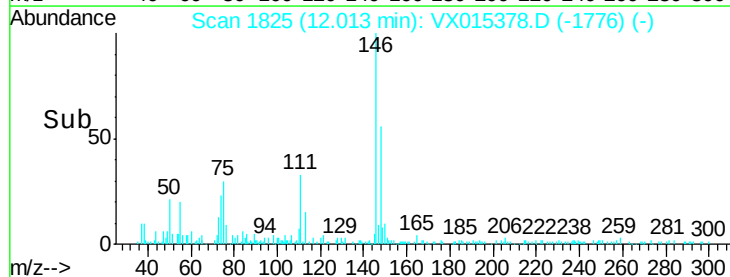
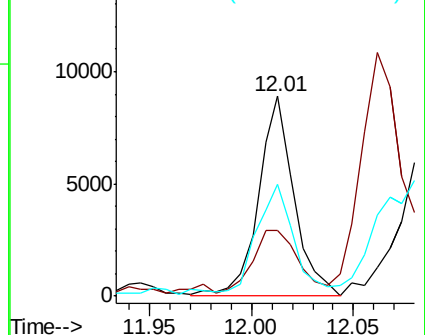
148 59.1 31.3 93.9

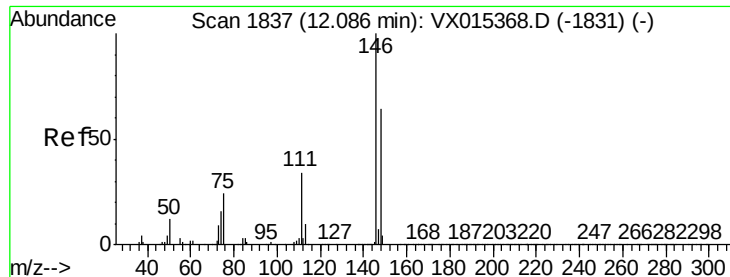


Abundance Ion 145.90 (145.60 to 146.60): V

Ion 110.90 (110.60 to 111.60): V

Ion 147.90 (147.60 to 148.60): V





#88

1,4-Dichlorobenzene

Concen: 0.358 ug/l

RT: 12.01 min Scan# 1825

Delta R.T. -0.07 min

Lab File: VX015378.D

Acq: 27 Mar 2020 13:57

Instrument :

MSVOA_X

ClientSampled :

IBLK

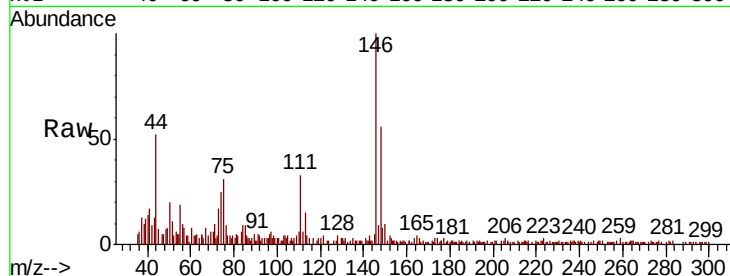
Tot Ion:146 Resp: 10810

Ion Ratio Lower Upper

146 100

111 39.2 19.1 57.5

148 59.1 32.4 97.2

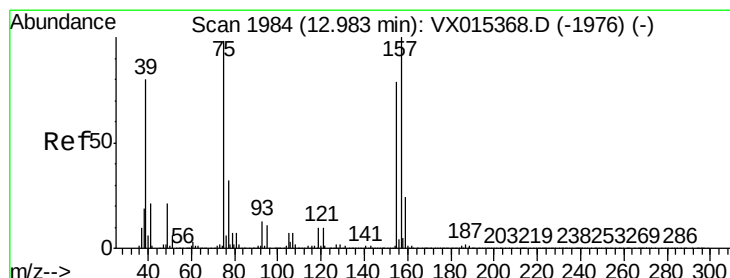
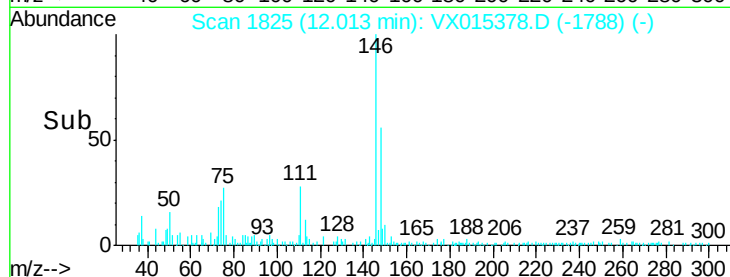
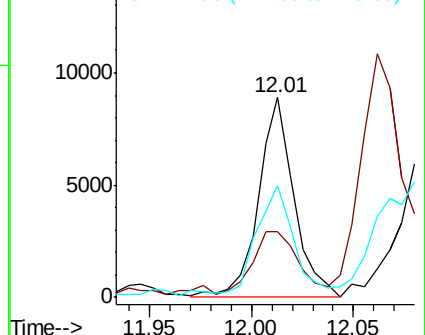


Abundance

Ion 145.90 (145.60 to 146.60): V

Ion 110.90 (110.60 to 111.60): V

Ion 147.90 (147.60 to 148.60): V



#92

1,2-Dibromo-3-Chloropropane

Concen: 0.283 ug/l

RT: 12.98 min Scan# 1984

Delta R.T. -0.00 min

Lab File: VX015378.D

Acq: 27 Mar 2020 13:57

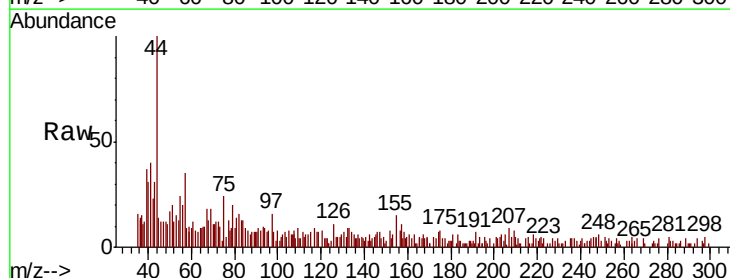
Tgt Ion: 75 Resp: 1705

Ion Ratio Lower Upper

75 100

155 58.8 42.8 128.4

157 65.3 53.4 160.3

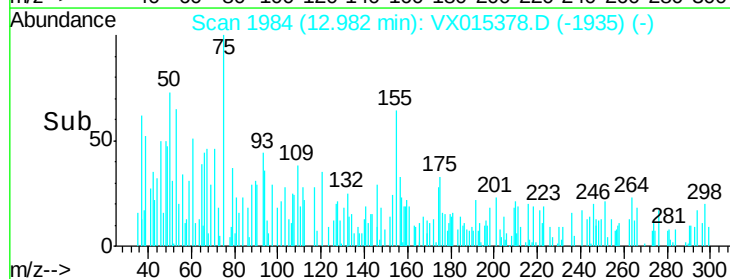
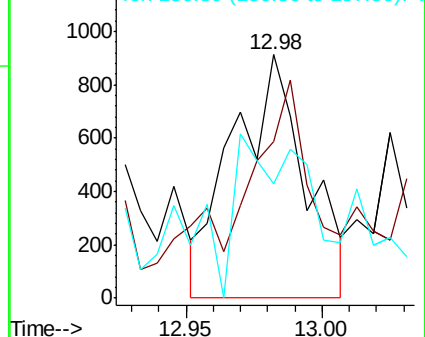


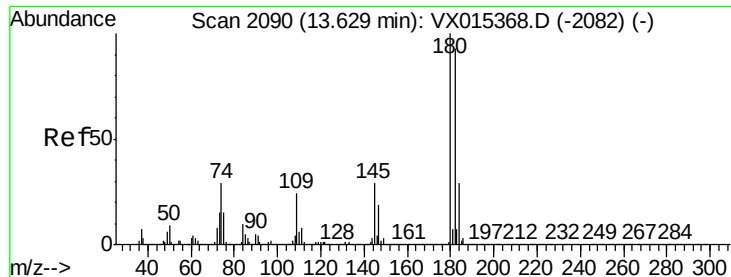
Abundance

Ion 74.90 (74.60 to 75.60): VX0

Ion 154.80 (154.50 to 155.50): V

Ion 156.80 (156.50 to 157.50): V

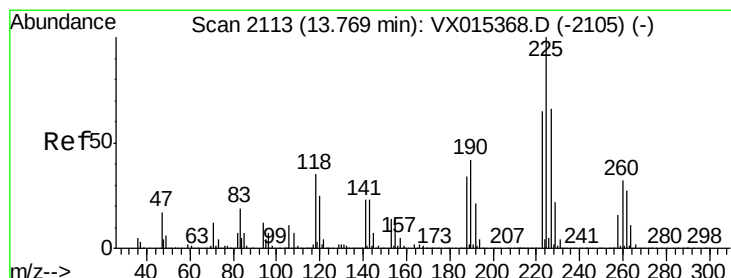
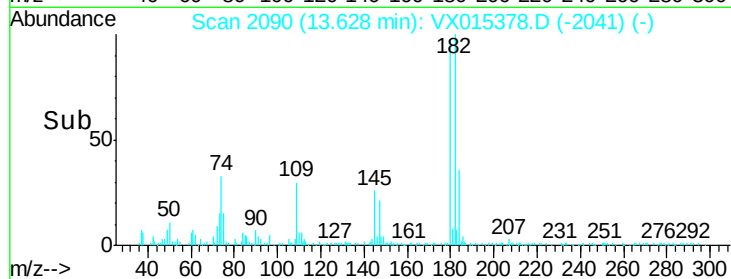
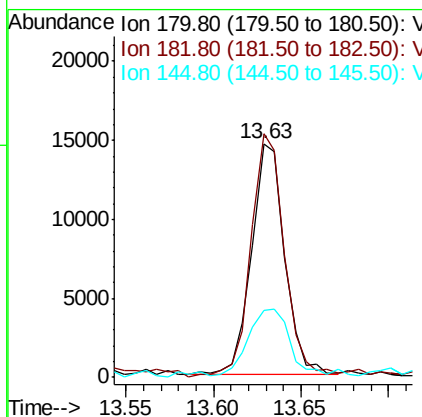
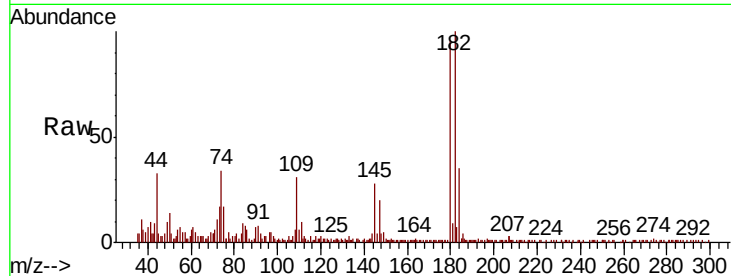




#93
 1,2,4-Trichlorobenzene
 Concen: 0.831 ug/l
 RT: 13.63 min Scan# 2090
 Delta R.T. -0.00 min
 Lab File: VX015378.D
 Acq: 27 Mar 2020 13:57

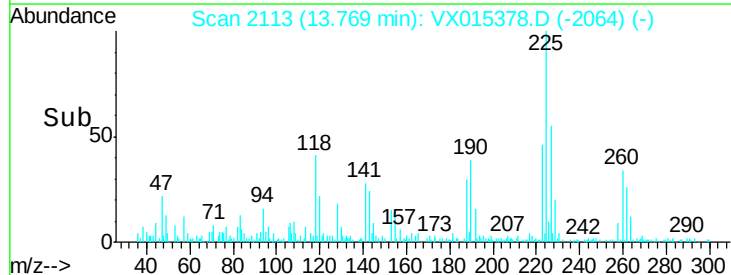
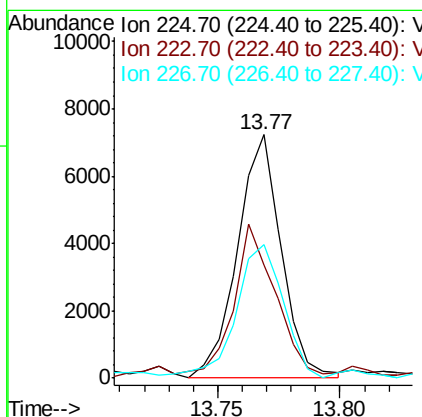
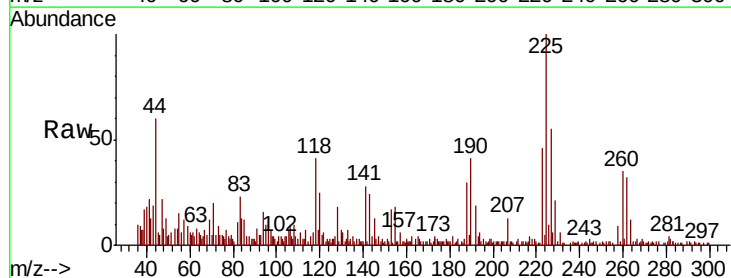
Instrument :
 MSVOA_X
 ClientSampled :
 IBLK

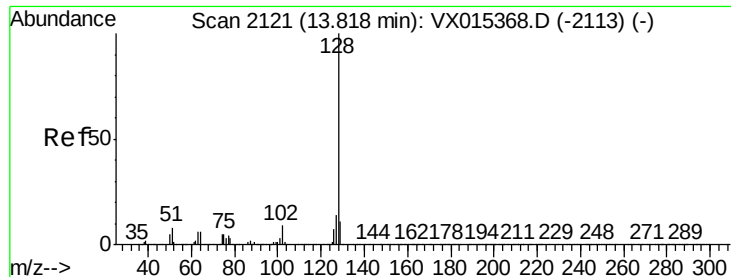
Tot Ion	Ratio	Lower	Upper
180	100		
182	108.7	46.9	140.7
145	37.0	14.9	44.5



#94
 Hexachlorobutadiene
 Concen: 0.829 ug/l
 RT: 13.77 min Scan# 2113
 Delta R.T. -0.00 min
 Lab File: VX015378.D
 Acq: 27 Mar 2020 13:57

Tgt Ion	Ratio	Lower	Upper
225	100		
223	57.8	31.9	95.7
227	59.4	30.4	91.3





#95
Naphthalene
Concen: 0.706 ug/l
RT: 13.82 min Scan# 2121
Delta R.T. -0.00 min
Lab File: VX015378.D
Acq: 27 Mar 2020 13:57

Instrument :
MSVOA_X
ClientSampleId :
IBLK

Tot Ion	Ratio	Lower	Upper
128	100		
127	14.2	10.6	15.8
129	14.0	8.8	13.2

