

Data Path : Z:\voasrv\HPCHEM1\MSVOA_X\Data\VX021723\
 Data File : VX034153.D
 Acq On : 17 Feb 2023 12:04
 Operator : JC/MD
 Sample : IBLK
 Misc : 5.0mL/MSVOA_X/WATER
 ALS Vial : 8 Sample Multiplier: 1

Instrument :
 MSVOA_X
 ClientSampleId :
 IBLK

Quant Time: Feb 17 12:34:28 2023
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA_X\Method\82X021723W.M
 Quant Title : SW846 8260
 QLast Update : Fri Feb 17 12:33:35 2023
 Response via : Initial Calibration

Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)

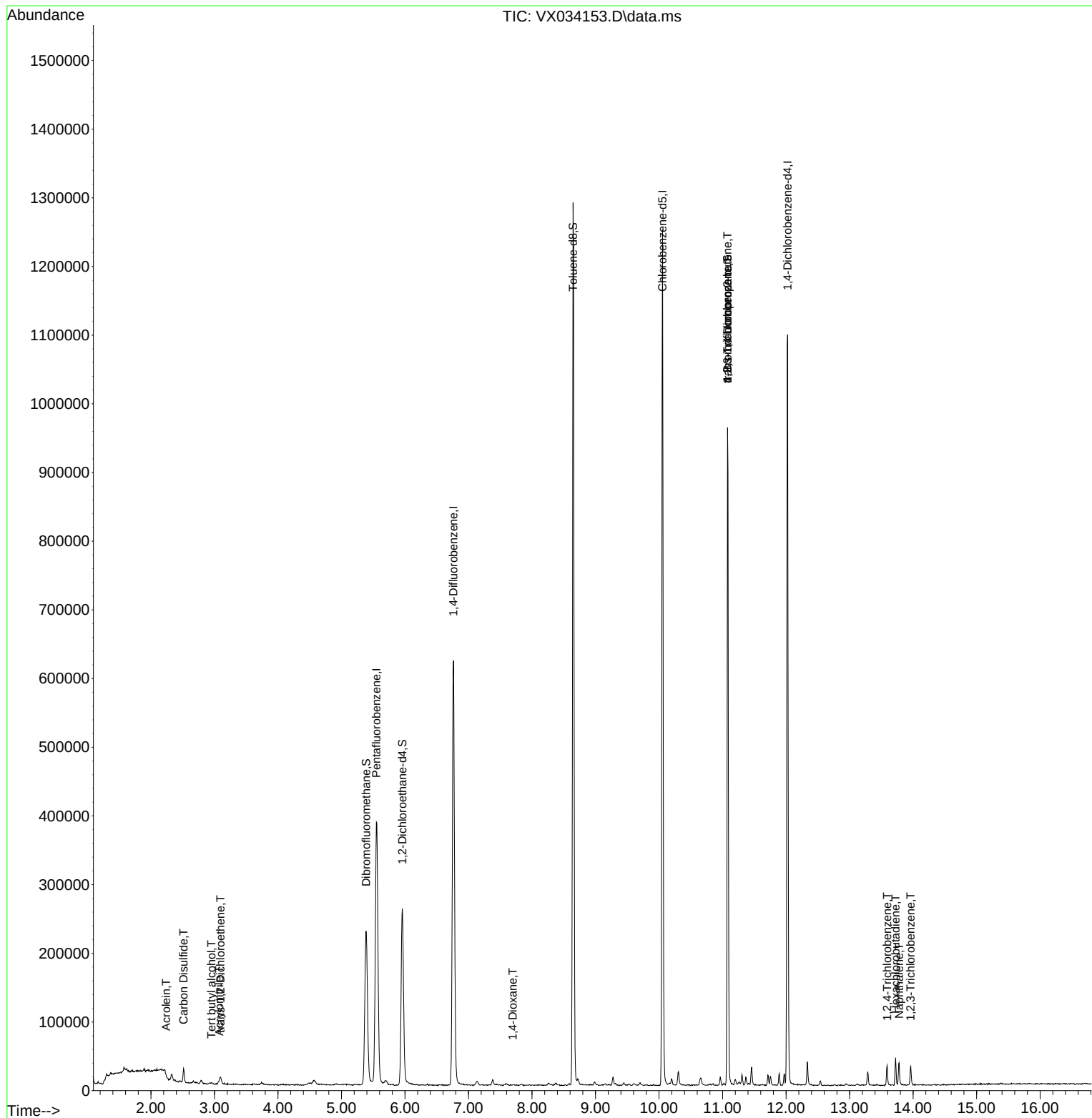
Internal Standards						
1) Pentafluorobenzene	5.550	168	376559	50.000	ug/l	# 0.00
34) 1,4-Difluorobenzene	6.763	114	631057	50.000	ug/l	0.00
63) Chlorobenzene-d5	10.055	117	545687	50.000	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	12.024	152	235007	50.000	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	5.958	65	244009	48.115	ug/l	0.00
Spiked Amount 50.000	Range 78 - 117		Recovery =	96.240%		
35) Dibromofluoromethane	5.385	113	203321	49.484	ug/l	0.00
Spiked Amount 50.000	Range 75 - 124		Recovery =	98.960%		
50) Toluene-d8	8.647	98	762962	51.719	ug/l	0.00
Spiked Amount 50.000	Range 92 - 112		Recovery =	103.440%		
62) 4-Bromofluorobenzene	11.079	95	267638	47.431	ug/l	0.00
Spiked Amount 50.000	Range 83 - 123		Recovery =	94.860%		
Target Compounds						
5) Bromomethane	1.617	94	939	Below Cal		Qvalue 82
11) Tert butyl alcohol	2.953	59	1632	1.439	ug/l #	92
13) Acrolein	2.239	56	1549	2.992	ug/l #	14
15) Acrylonitrile	3.075	53	3800	1.536	ug/l	88
17) Carbon Disulfide	2.514	76	23418	2.000	ug/l	96
21) trans-1,2-Dichloroethene	3.093	96	4331	1.015	ug/l #	77
49) 1,4-Dioxane	7.696	88	273	2.406	ug/l #	32
76) 1,2,3-Trichloropropane	11.079	75	133659	22.603	ug/l #	34
81) trans-1,4-Dichloro-2-b...	11.079	75	133659	58.064	ug/l #	8
93) 1,2,4-Trichlorobenzene	13.591	180	7115	1.401	ug/l	98
94) Hexachlorobutadiene	13.725	225	5052	2.400	ug/l	96
95) Naphthalene	13.780	128	23120	1.352	ug/l	98
96) 1,2,3-Trichlorobenzene	13.963	180	7179	1.424	ug/l	97

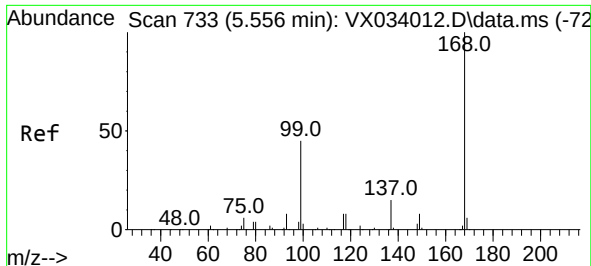
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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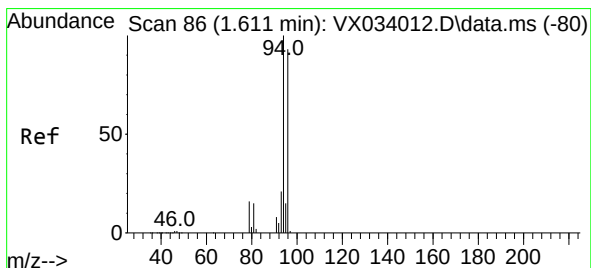
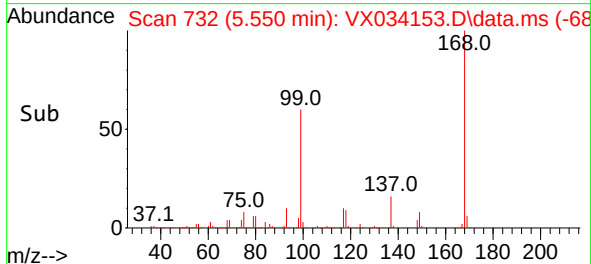
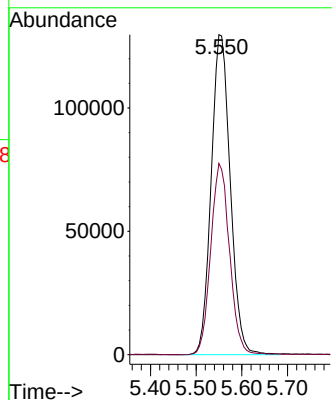
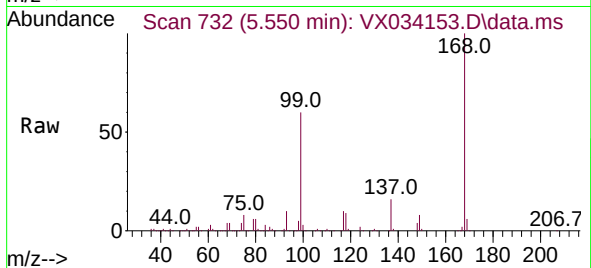




#1
Pentafluorobenzene
Concen: 50.000 ug/l
RT: 5.550 min Scan# 71
Delta R.T. -0.000 min
Lab File: VX034153.D
Acq: 17 Feb 2023 12:04

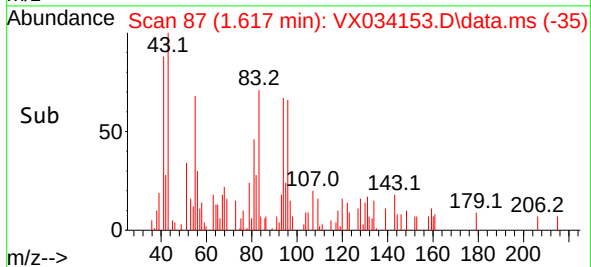
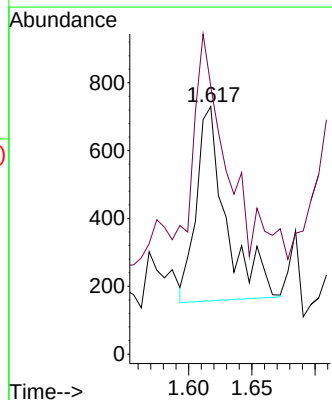
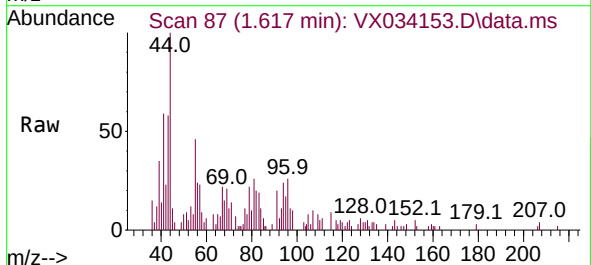
Instrument :
MSVOA_X
ClientSampleId :
IBLK

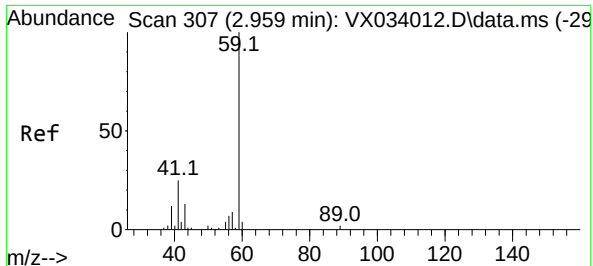
Tgt Ion:168 Resp: 376559
Ion Ratio Lower Upper
168 100
99 59.8 39.6 59.4#



#5
Bromomethane
Concen: Below Cal
RT: 1.617 min Scan# 87
Delta R.T. 0.018 min
Lab File: VX034153.D
Acq: 17 Feb 2023 12:04

Tgt Ion: 94 Resp: 939
Ion Ratio Lower Upper
94 100
96 75.5 74.3 111.5

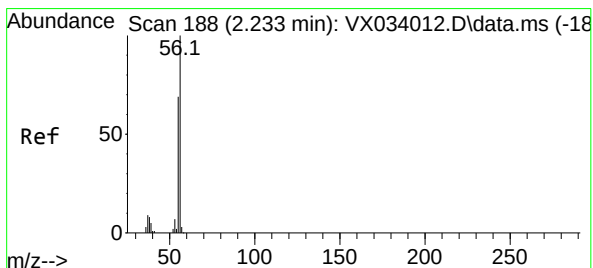
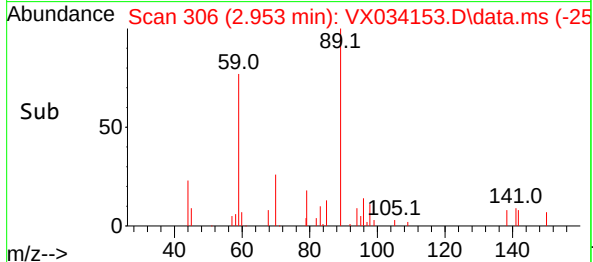
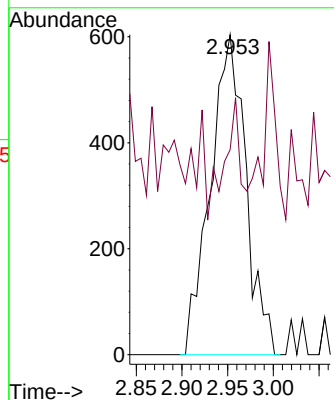
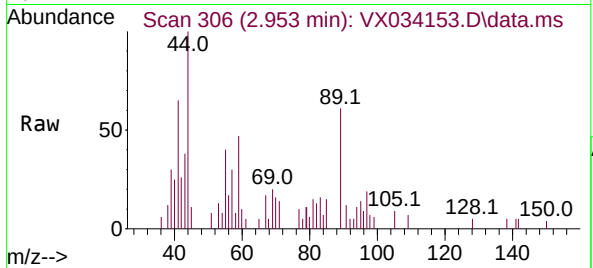




#11
Tert butyl alcohol
Concen: 1.439 ug/l
RT: 2.953 min Scan# 307
Delta R.T. 0.000 min
Lab File: VX034153.D
Acq: 17 Feb 2023 12:04

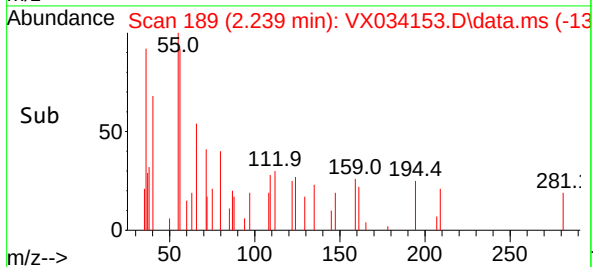
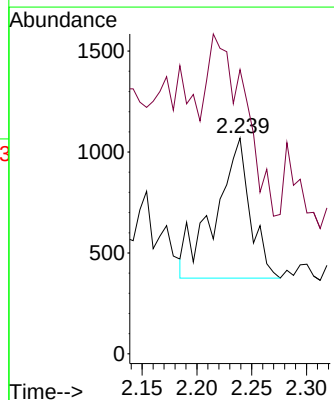
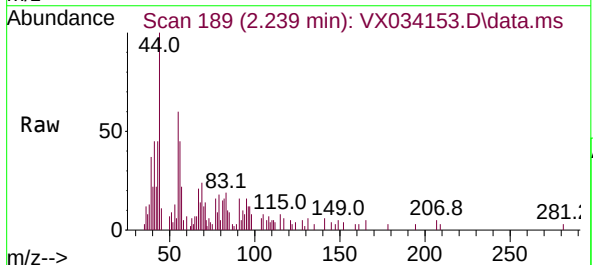
Instrument :
MSVOA_X
ClientSampleId :
IBLK

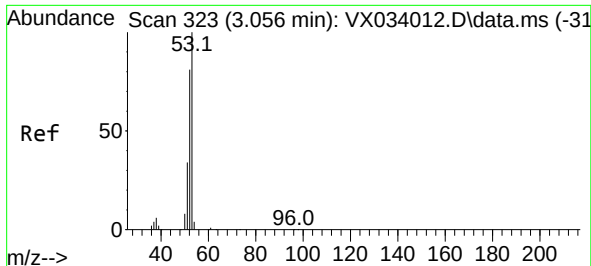
Tgt Ion: 59 Resp: 1632
Ion Ratio Lower Upper
59 100
57 7.4 3.7 5.5#



#13
Acrolein
Concen: 2.992 ug/l
RT: 2.239 min Scan# 189
Delta R.T. 0.006 min
Lab File: VX034153.D
Acq: 17 Feb 2023 12:04

Tgt Ion: 56 Resp: 1549
Ion Ratio Lower Upper
56 100
55 0.0 56.3 84.5#





#15

Acrylonitrile

Concen: 1.536 ug/l

RT: 3.075 min Scan# 31

Delta R.T. 0.018 min

Lab File: VX034153.D

Acq: 17 Feb 2023 12:04

Instrument :

MSVOA_X

ClientSampleId :

IBLK

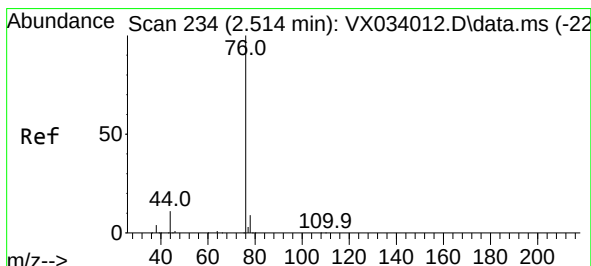
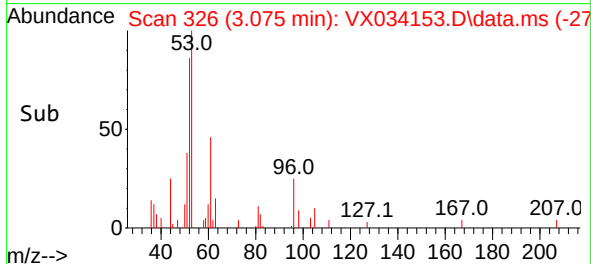
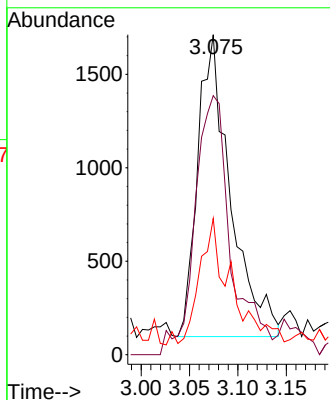
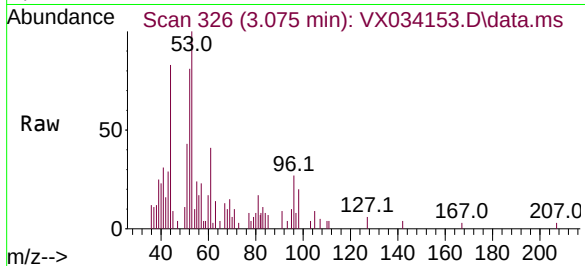
Tgt Ion: 53 Resp: 3800

Ion Ratio Lower Upper

53 100

52 94.4 65.7 98.5

51 41.7 29.0 43.4



#17

Carbon Disulfide

Concen: 2.000 ug/l

RT: 2.514 min Scan# 234

Delta R.T. 0.006 min

Lab File: VX034153.D

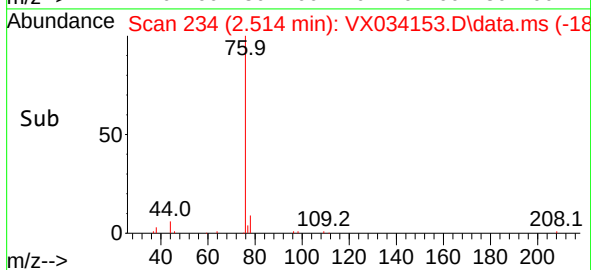
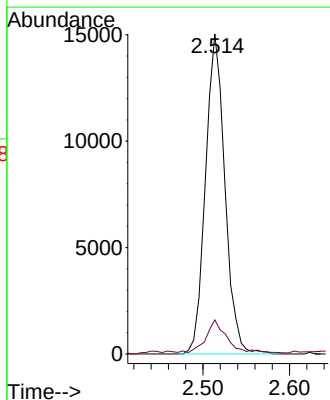
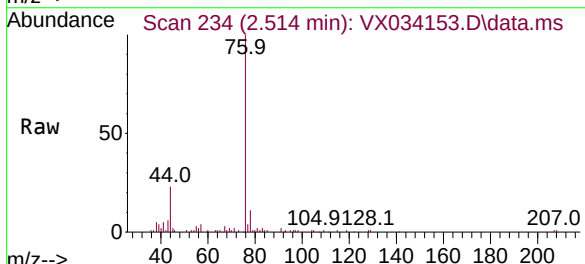
Acq: 17 Feb 2023 12:04

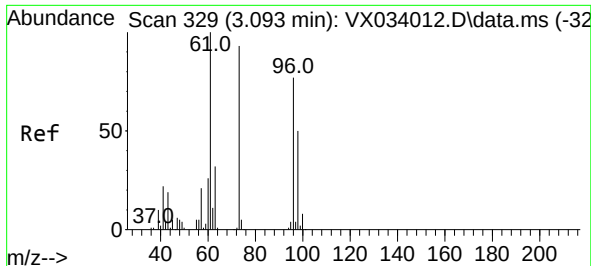
Tgt Ion: 76 Resp: 23418

Ion Ratio Lower Upper

76 100

78 10.2 7.0 10.6

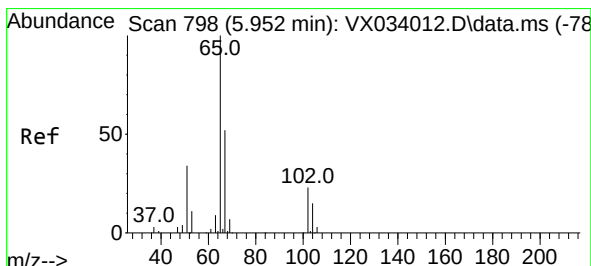
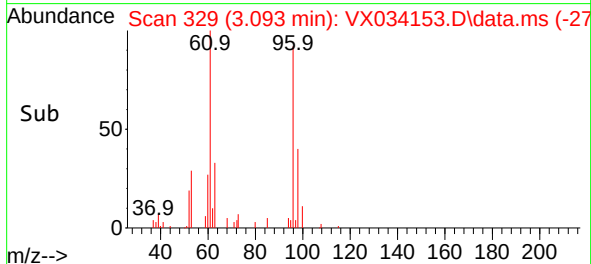
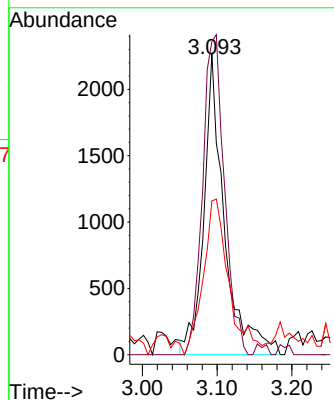
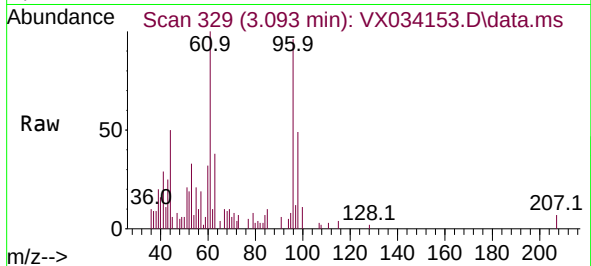




#21
trans-1,2-Dichloroethene
Concen: 1.015 ug/l
RT: 3.093 min Scan# 31
Delta R.T. 0.006 min
Lab File: VX034153.D
Acq: 17 Feb 2023 12:04

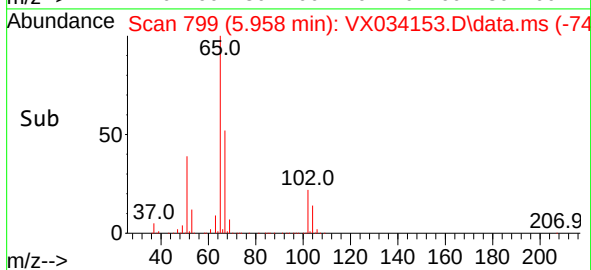
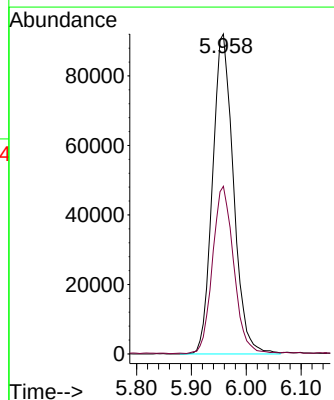
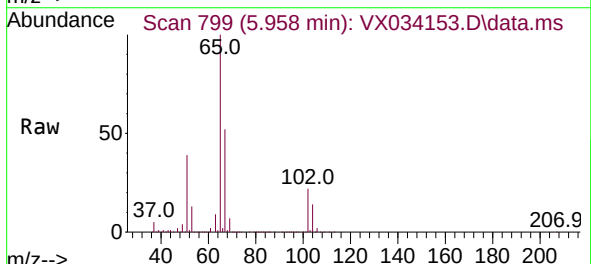
Instrument :
MSVOA_X
ClientSampleId :
IBLK

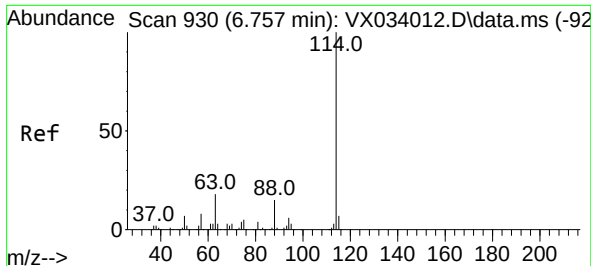
Tgt Ion: 96 Resp: 4331
Ion Ratio Lower Upper
96 100
61 104.0 106.7 160.1#
98 47.3 50.0 75.0#



#33
1,2-Dichloroethane-d4
Concen: 48.115 ug/l
RT: 5.958 min Scan# 799
Delta R.T. 0.006 min
Lab File: VX034153.D
Acq: 17 Feb 2023 12:04

Tgt Ion: 65 Resp: 244009
Ion Ratio Lower Upper
65 100
67 53.1 0.0 104.8

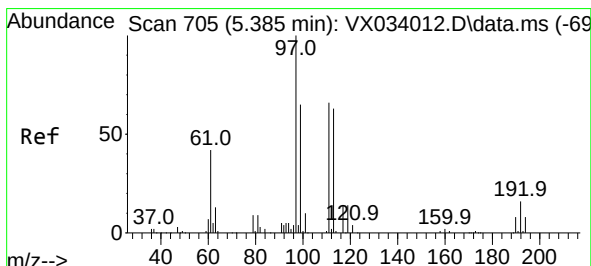
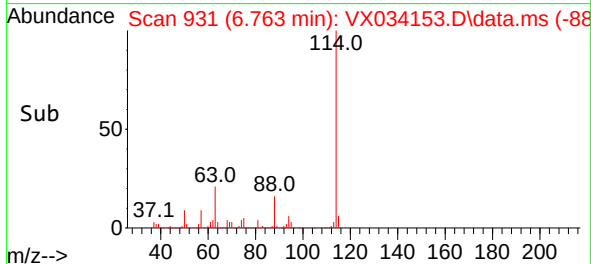
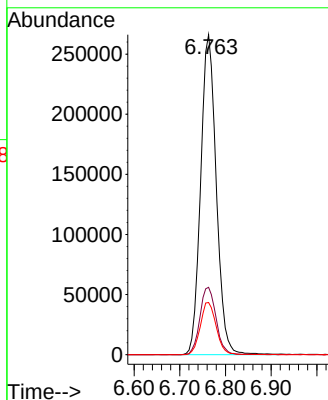
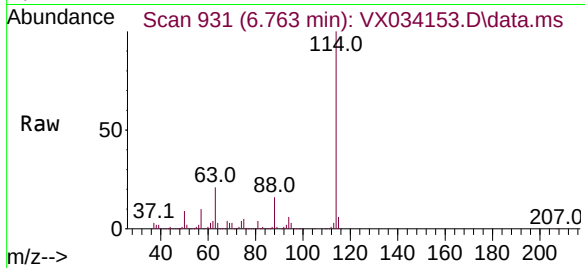




#34
1,4-Difluorobenzene
Concen: 50.000 ug/l
RT: 6.763 min Scan# 91
Delta R.T. 0.006 min
Lab File: VX034153.D
Acq: 17 Feb 2023 12:04

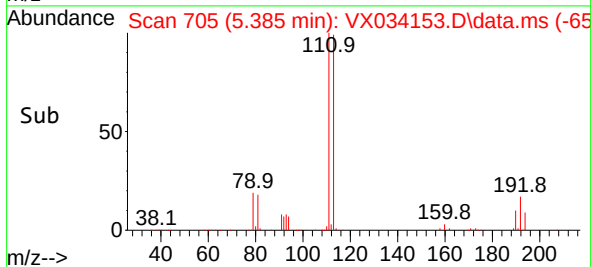
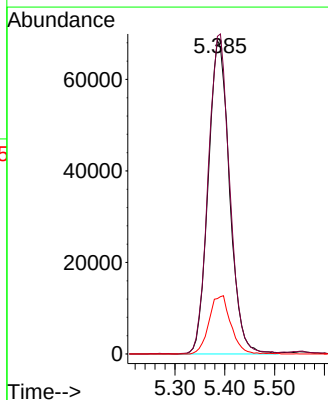
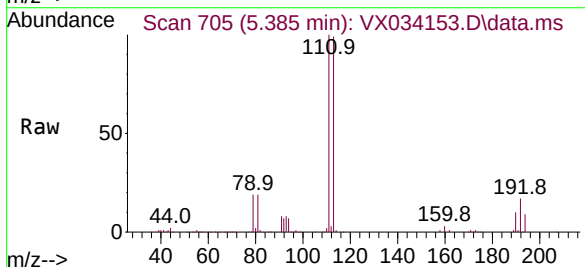
Instrument :
MSVOA_X
ClientSampleId :
IBLK

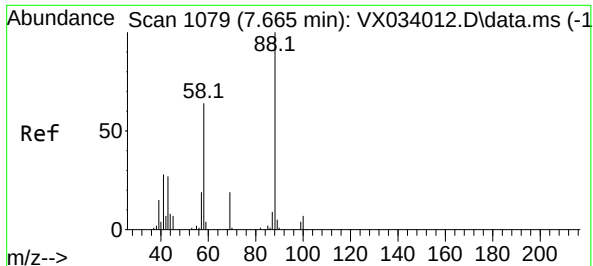
Tgt Ion:114 Resp: 631057
Ion Ratio Lower Upper
114 100
63 21.0 0.0 37.4
88 16.3 0.0 30.6



#35
Dibromofluoromethane
Concen: 49.484 ug/l
RT: 5.385 min Scan# 705
Delta R.T. 0.000 min
Lab File: VX034153.D
Acq: 17 Feb 2023 12:04

Tgt Ion:113 Resp: 203321
Ion Ratio Lower Upper
113 100
111 102.7 83.0 124.6
192 19.1 19.0 28.4





#49

1,4-Dioxane

Concen: 2.406 ug/l

RT: 7.696 min Scan# 1084

Delta R.T. 0.043 min

Lab File: VX034153.D

Acq: 17 Feb 2023 12:04

Instrument :

MSVOA_X

ClientSampleId :

IBLK

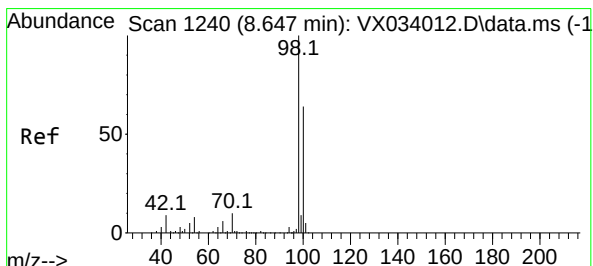
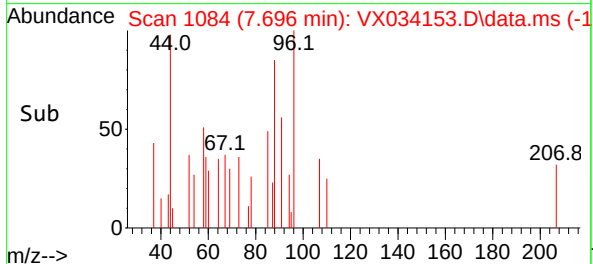
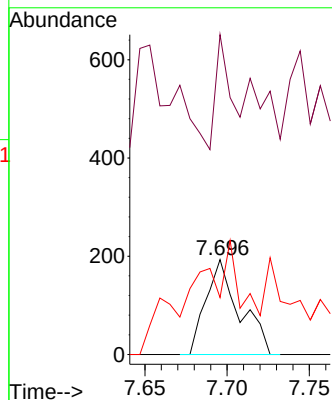
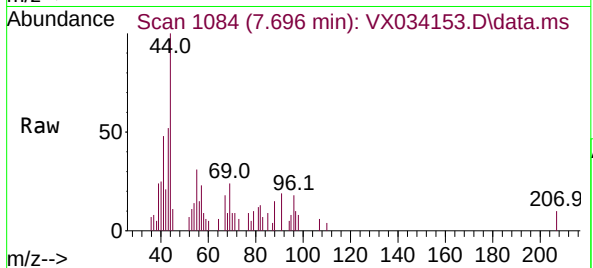
Tgt Ion: 88 Resp: 273

Ion Ratio Lower Upper

88 100

43 54.2 0.0 0.0#

58 126.7 56.5 84.7#



#50

Toluene-d8

Concen: 51.719 ug/l

RT: 8.647 min Scan# 1240

Delta R.T. 0.000 min

Lab File: VX034153.D

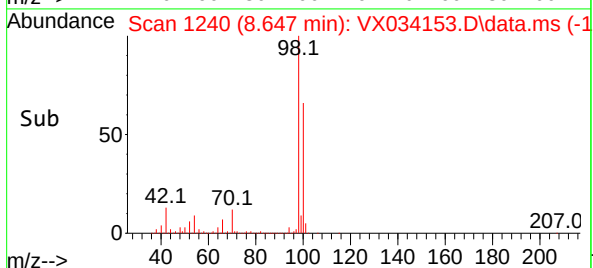
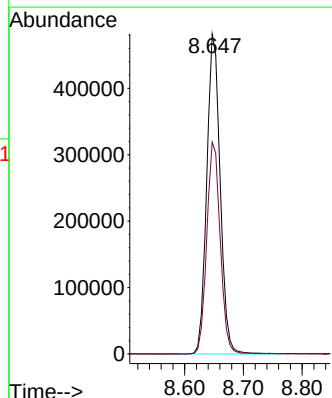
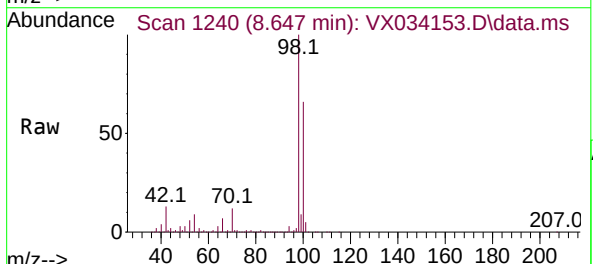
Acq: 17 Feb 2023 12:04

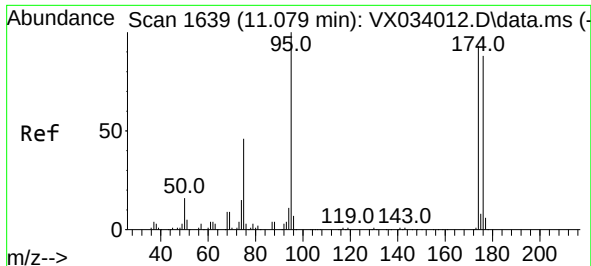
Tgt Ion: 98 Resp: 762962

Ion Ratio Lower Upper

98 100

100 66.6 53.6 80.4





#62

4-Bromofluorobenzene

Concen: 47.431 ug/l

RT: 11.079 min Scan# 1

Delta R.T. 0.000 min

Lab File: VX034153.D

Acq: 17 Feb 2023 12:04

Instrument :

MSVOA_X

ClientSampleId :

IBLK

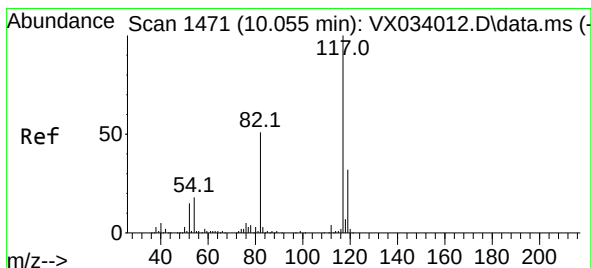
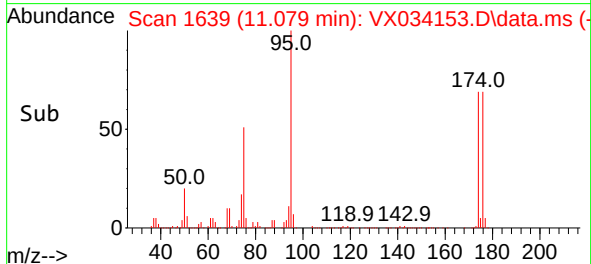
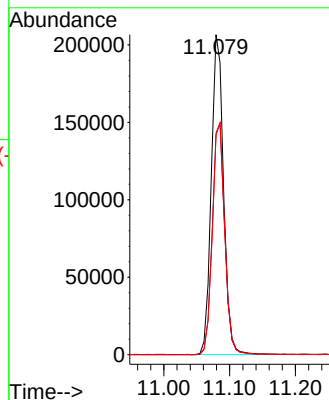
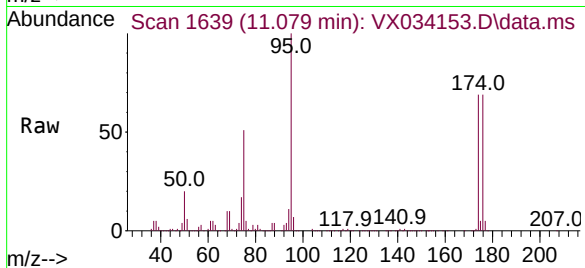
Tgt Ion: 95 Resp: 267638

Ion Ratio Lower Upper

95 100

174 74.1 0.0 184.4

176 72.8 0.0 178.8



#63

Chlorobenzene-d5

Concen: 50.000 ug/l

RT: 10.055 min Scan# 1471

Delta R.T. 0.000 min

Lab File: VX034153.D

Acq: 17 Feb 2023 12:04

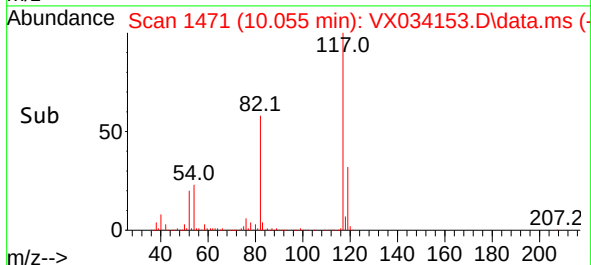
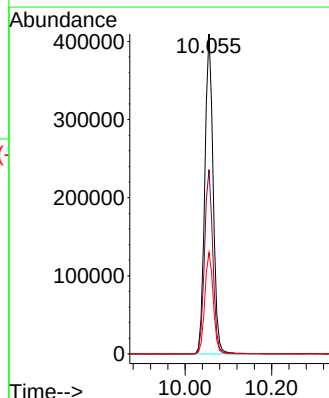
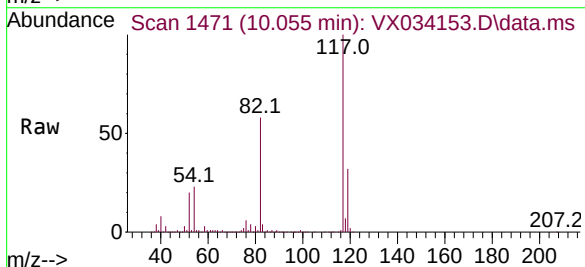
Tgt Ion: 117 Resp: 545687

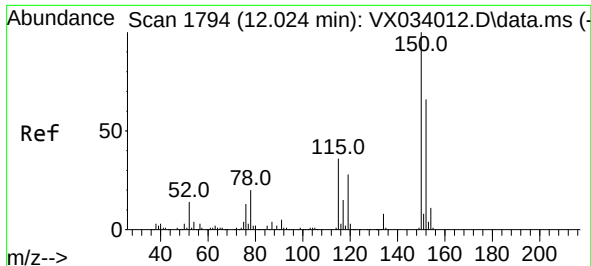
Ion Ratio Lower Upper

117 100

82 57.6 40.6 60.8

119 31.7 25.6 38.4

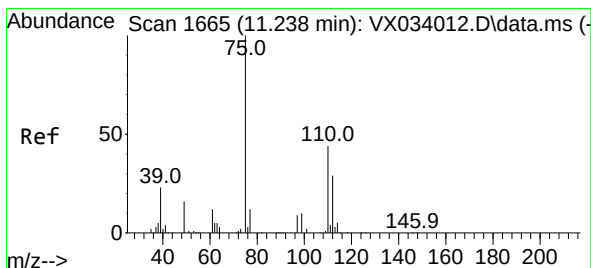
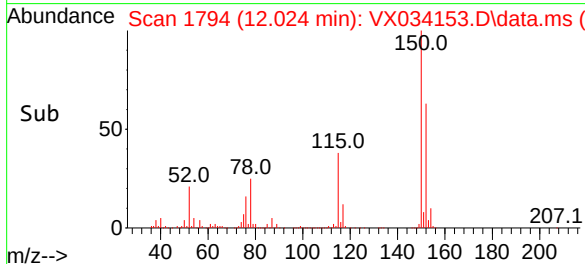
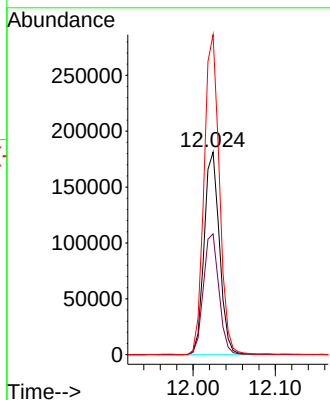
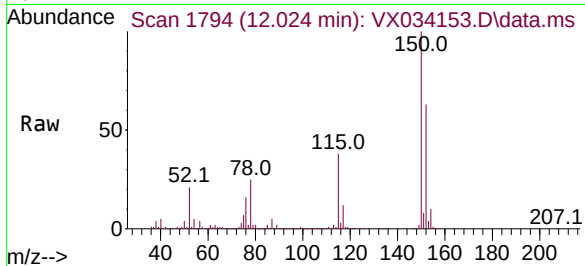




#72
1,4-Dichlorobenzene-d4
Concen: 50.000 ug/l
RT: 12.024 min Scan# 1
Delta R.T. 0.000 min
Lab File: VX034153.D
Acq: 17 Feb 2023 12:04

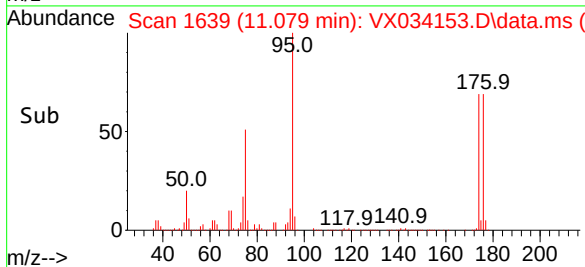
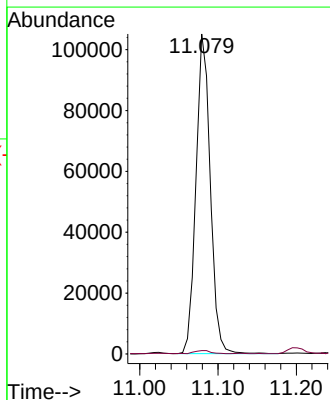
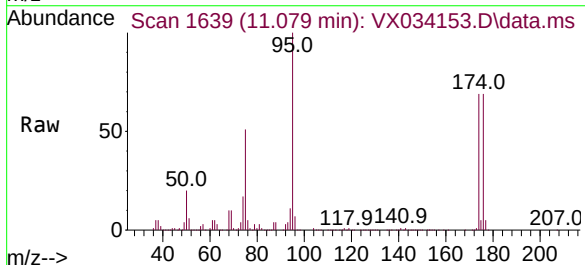
Instrument :
MSVOA_X
ClientSampleId :
IBLK

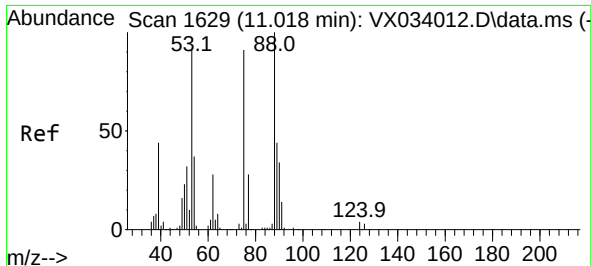
Tgt Ion:152 Resp: 235007
Ion Ratio Lower Upper
152 100
115 60.5 38.7 116.1
150 157.5 0.0 348.2



#76
1,2,3-Trichloropropane
Concen: 22.603 ug/l
RT: 11.079 min Scan# 1639
Delta R.T. -0.158 min
Lab File: VX034153.D
Acq: 17 Feb 2023 12:04

Tgt Ion: 75 Resp: 133659
Ion Ratio Lower Upper
75 100
77 1.1 21.8 65.4#

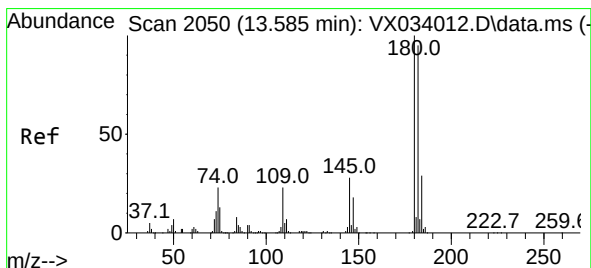
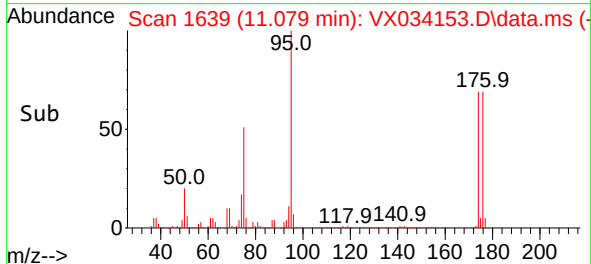
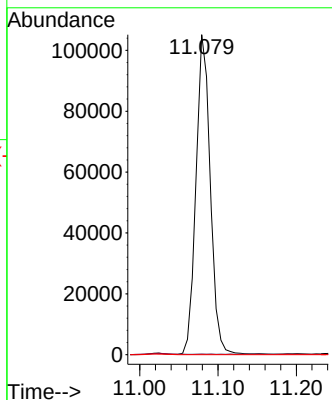
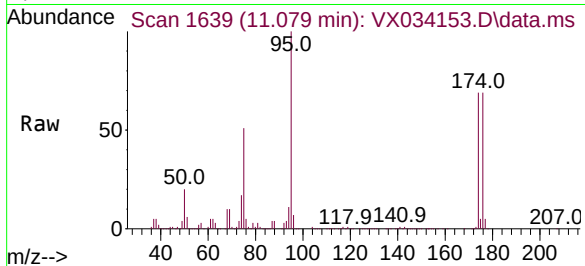




#81
trans-1,4-Dichloro-2-butene
Concen: 58.064 ug/l
RT: 11.079 min Scan# 1639
Delta R.T. 0.061 min
Lab File: VX034153.D
Acq: 17 Feb 2023 12:04

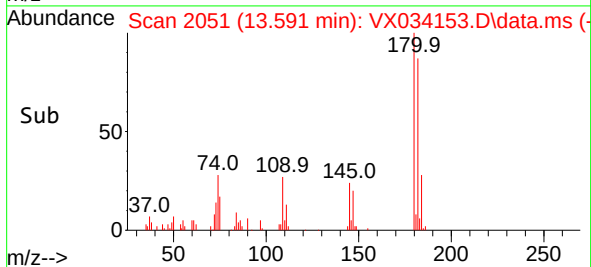
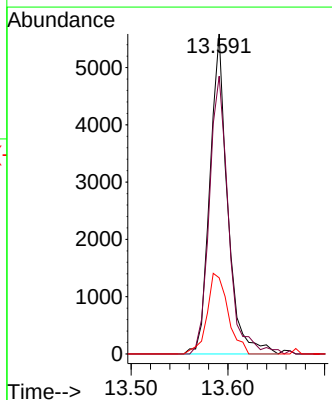
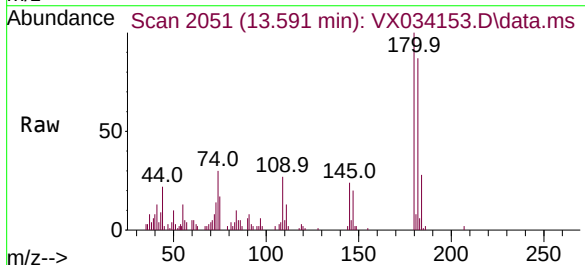
Instrument :
MSVOA_X
ClientSampleId :
IBLK

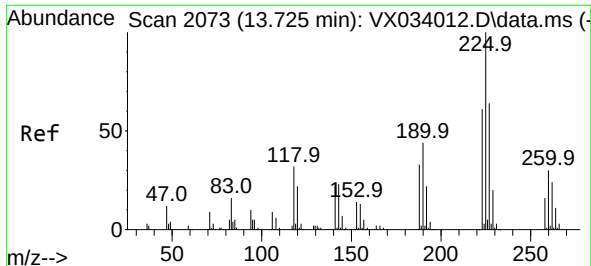
Tgt Ion: 75 Resp: 133659
Ion Ratio Lower Upper
75 100
53 0.1 83.0 124.6#
89 0.0 37.7 56.5#



#93
1,2,4-Trichlorobenzene
Concen: 1.401 ug/l
RT: 13.591 min Scan# 2051
Delta R.T. 0.000 min
Lab File: VX034153.D
Acq: 17 Feb 2023 12:04

Tgt Ion: 180 Resp: 7115
Ion Ratio Lower Upper
180 100
182 94.3 47.9 143.6
145 29.8 14.1 42.2

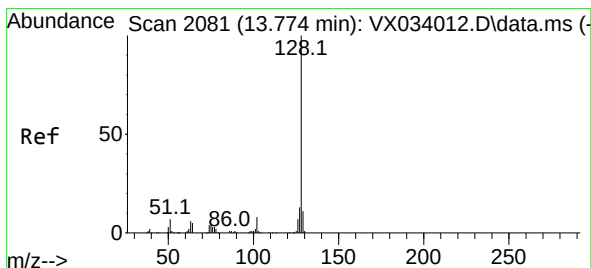
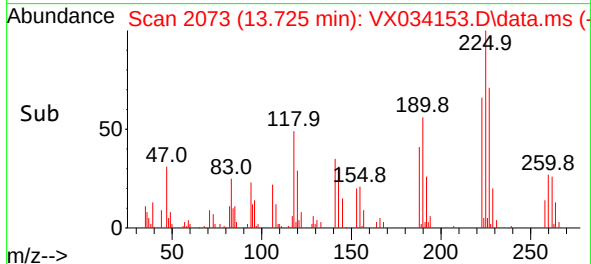
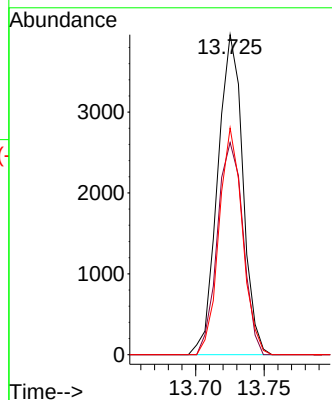
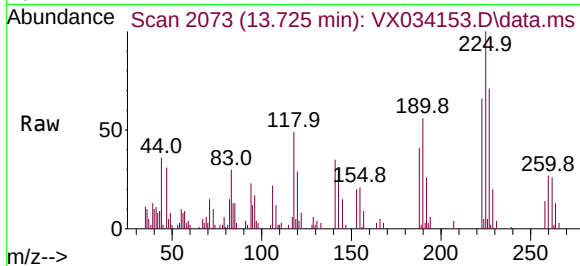




#94
Hexachlorobutadiene
Concen: 2.400 ug/l
RT: 13.725 min Scan# 2073
Delta R.T. 0.000 min
Lab File: VX034153.D
Acq: 17 Feb 2023 12:04

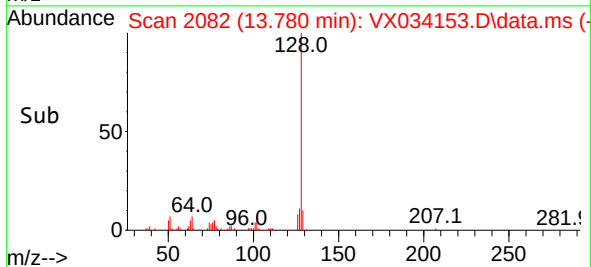
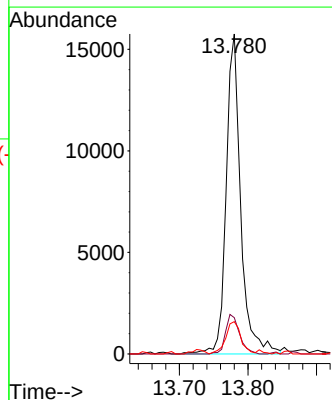
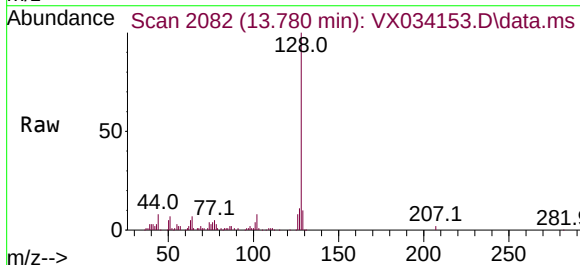
Instrument :
MSVOA_X
ClientSampleId :
IBLK

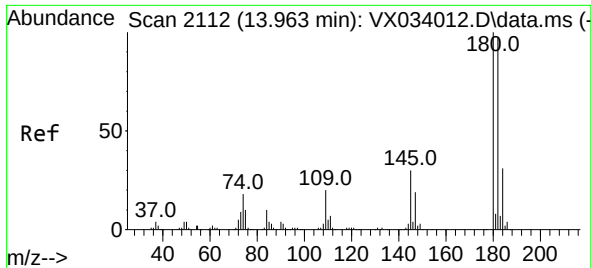
Tgt Ion:225 Resp: 5052
Ion Ratio Lower Upper
225 100
223 67.6 31.3 93.9
227 66.0 32.3 96.9



#95
Naphthalene
Concen: 1.352 ug/l
RT: 13.780 min Scan# 2082
Delta R.T. 0.006 min
Lab File: VX034153.D
Acq: 17 Feb 2023 12:04

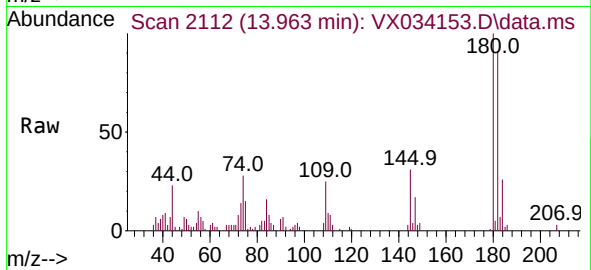
Tgt Ion:128 Resp: 23120
Ion Ratio Lower Upper
128 100
127 11.8 10.3 15.5
129 10.5 8.7 13.1





#96
 1,2,3-Trichlorobenzene
 Concen: 1.424 ug/l
 RT: 13.963 min Scan# 2112
 Delta R.T. 0.000 min
 Lab File: VX034153.D
 Acq: 17 Feb 2023 12:04

Instrument :
 MSVOA_X
 ClientSampleId :
 IBLK



Tgt Ion:	180	Resp:	7179
Ion	Ratio	Lower	Upper
180	100		
182	92.9	47.6	142.9
145	33.1	15.1	45.3

