

Data Path : Z:\voasrv\HPCHEM1\MSVOA_X\Data\VX053123\
 Data File : VX035922.D
 Acq On : 31 May 2023 09:16
 Operator : JC/MD
 Sample : VIBLK
 Misc : 5.0mL/MSVOA_X/WATER
 ALS Vial : 1 Sample Multiplier: 1

Instrument :
 MSVOA_X
 ClientSampleId :
 VIBLK

Quant Time: May 31 11:16:40 2023
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA_X\Method\82X052623W.M
 Quant Title : SW846 8260
 QLast Update : Mon May 29 07:45:36 2023
 Response via : Initial Calibration

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

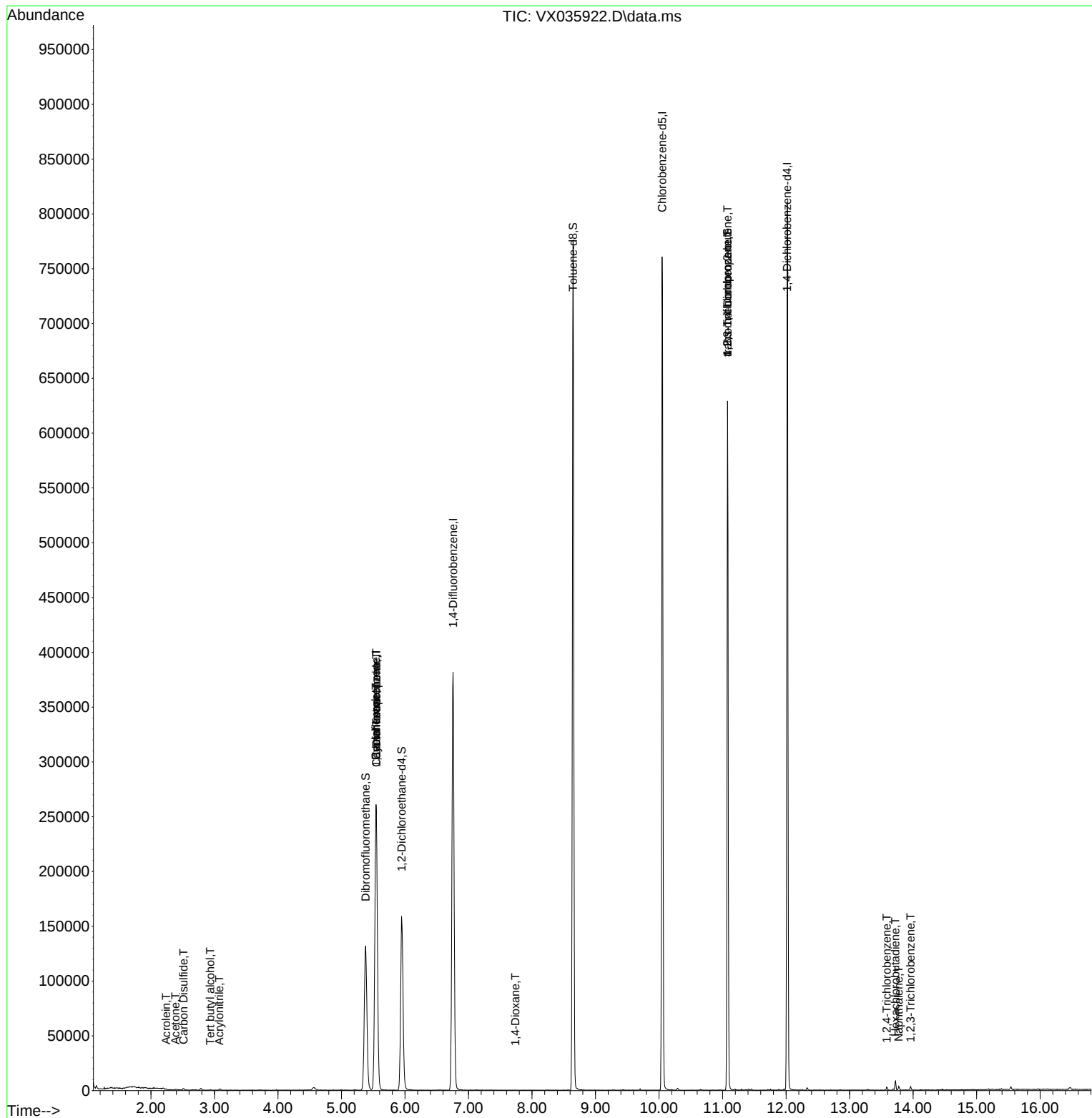
Internal Standards						
1) Pentafluorobenzene	5.544	168	236516	50.000	ug/l	0.00
34) 1,4-Difluorobenzene	6.757	114	384275	50.000	ug/l	0.00
63) Chlorobenzene-d5	10.049	117	338014	50.000	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	12.018	152	163340	50.000	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	5.946	65	153602	36.545	ug/l	0.00
Spiked Amount	50.000	Range 78 - 117	Recovery	=	73.100%#	
35) Dibromofluoromethane	5.379	113	116396	44.096	ug/l	0.00
Spiked Amount	50.000	Range 75 - 124	Recovery	=	88.200%	
50) Toluene-d8	8.647	98	445789	46.018	ug/l	0.00
Spiked Amount	50.000	Range 92 - 112	Recovery	=	92.040%	
62) 4-Bromofluorobenzene	11.079	95	170841	44.761	ug/l	0.00
Spiked Amount	50.000	Range 83 - 123	Recovery	=	89.520%	
Target Compounds						
					Qvalue	
11) Tert butyl alcohol	2.934	59	177	0.242	ug/l #	78
13) Acrolein	2.239	56	188	0.259	ug/l #	20
15) Acrylonitrile	3.075	53	506	0.302	ug/l #	74
16) Acetone	2.386	43	1093	0.644	ug/l	95
17) Carbon Disulfide	2.514	76	1706	0.284	ug/l	96
20) Methylene Chloride	2.794	84	681	Below Cal	#	89
31) Cyclohexane	5.544	56	5525	1.107	ug/l #	1
36) 1,1-Dichloropropene	5.550	75	19505	4.866	ug/l #	51
38) Carbon Tetrachloride	5.550	117	25573	6.769	ug/l #	18
49) 1,4-Dioxane	7.738	88	24	0.315	ug/l #	22
76) 1,2,3-Trichloropropane	11.079	75	87213	21.395	ug/l #	34
81) trans-1,4-Dichloro-2-b...	11.079	75	87213	68.067	ug/l #	3
93) 1,2,4-Trichlorobenzene	13.585	180	729	0.220	ug/l	85
94) Hexachlorobutadiene	13.719	225	1324	0.997	ug/l	94
95) Naphthalene	13.774	128	2507	0.218	ug/l #	93
96) 1,2,3-Trichlorobenzene	13.963	180	759	0.230	ug/l	79

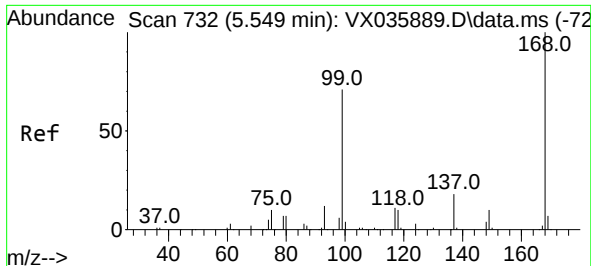
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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Quant Time: May 31 11:16:40 2023
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_X\Method\82X052623W.M
Quant Title : SW846 8260
QLast Update : Mon May 29 07:45:36 2023
Response via : Initial Calibration

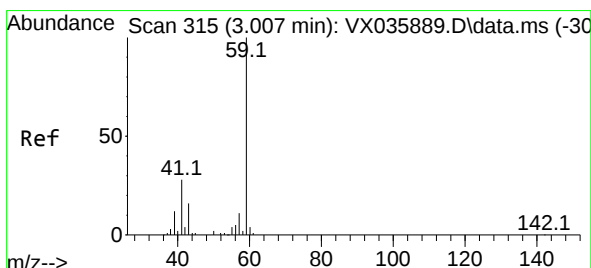
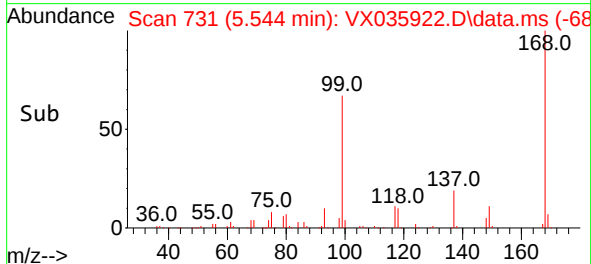
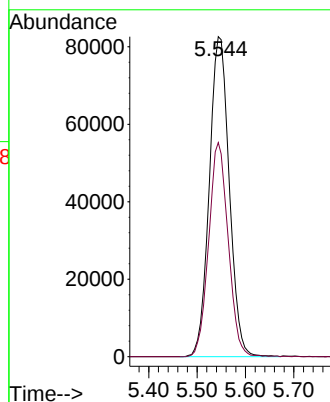
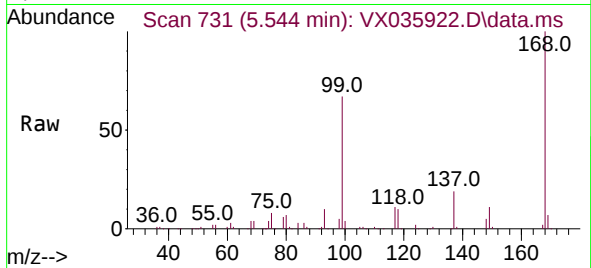




#1
Pentafluorobenzene
Concen: 50.000 ug/l
RT: 5.544 min Scan# 71
Delta R.T. -0.005 min
Lab File: VX035922.D
Acq: 31 May 2023 09:16

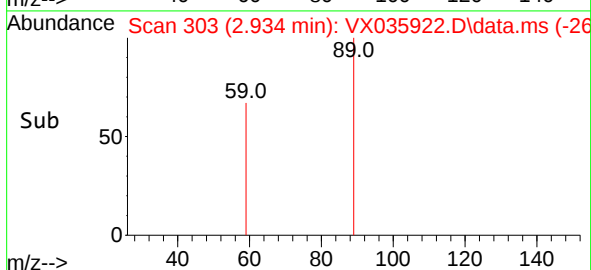
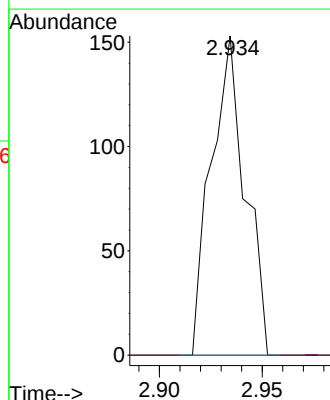
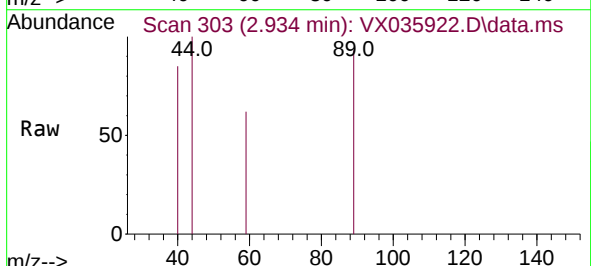
Instrument :
MSVOA_X
ClientSampleId :
VIBLK

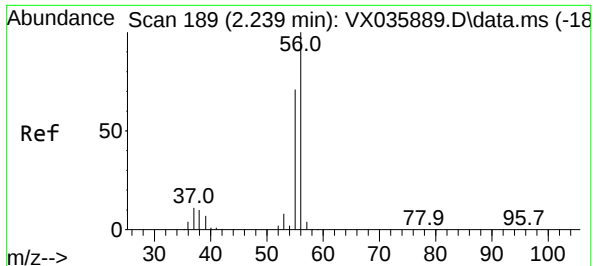
Tgt Ion:168 Resp: 236516
Ion Ratio Lower Upper
168 100
99 66.9 57.0 85.6



#11
Tert butyl alcohol
Concen: 0.242 ug/l
RT: 2.934 min Scan# 303
Delta R.T. -0.073 min
Lab File: VX035922.D
Acq: 31 May 2023 09:16

Tgt Ion: 59 Resp: 177
Ion Ratio Lower Upper
59 100
57 0.0 6.0 9.0#





#13

Acrolein

Concen: 0.259 ug/l

RT: 2.239 min Scan# 11

Delta R.T. 0.000 min

Lab File: VX035922.D

Acq: 31 May 2023 09:16

Instrument :

MSVOA_X

ClientSampleId :

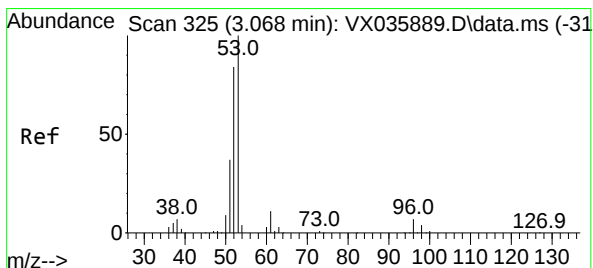
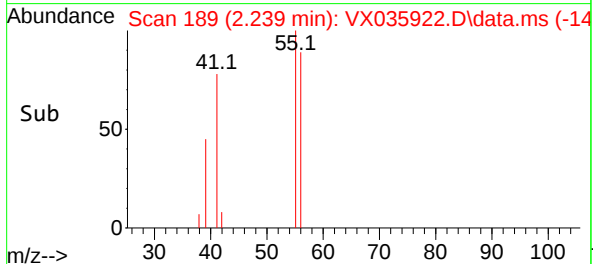
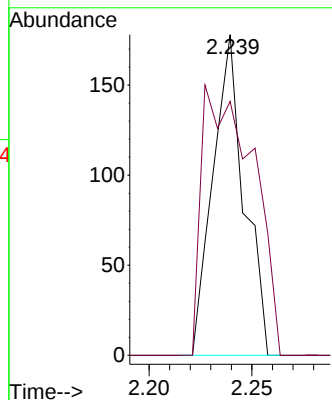
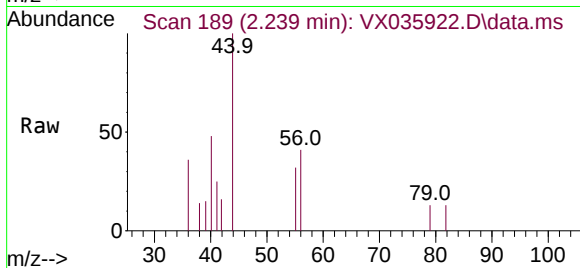
VIBLK

Tgt Ion: 56 Resp: 188

Ion Ratio Lower Upper

56 100

55 137.8 57.3 85.9#



#15

Acrylonitrile

Concen: 0.302 ug/l

RT: 3.075 min Scan# 326

Delta R.T. 0.006 min

Lab File: VX035922.D

Acq: 31 May 2023 09:16

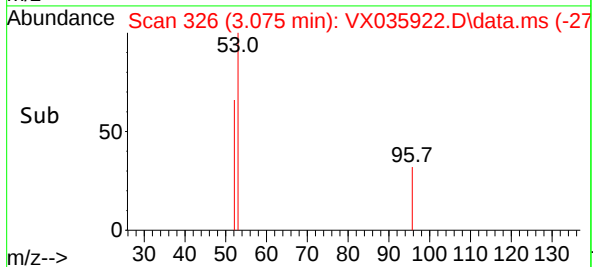
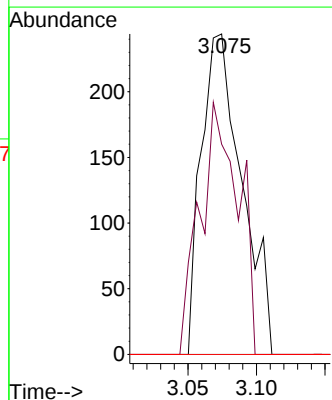
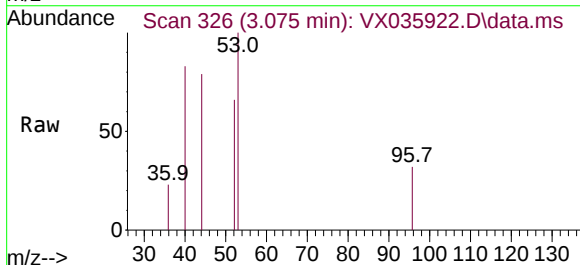
Tgt Ion: 53 Resp: 506

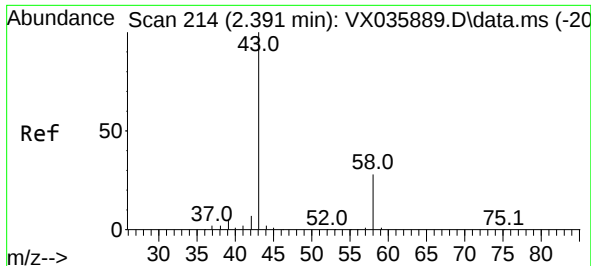
Ion Ratio Lower Upper

53 100

52 74.3 67.0 100.4

51 0.0 29.8 44.8#

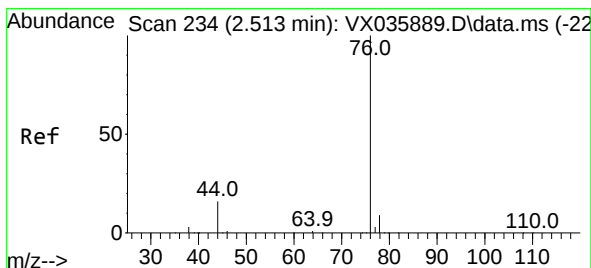
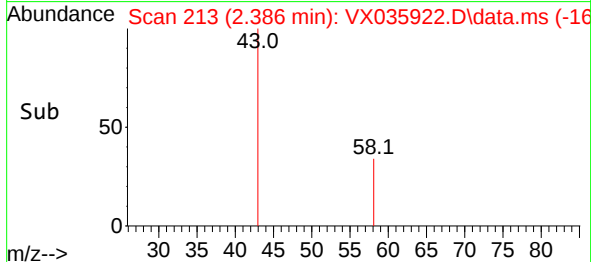
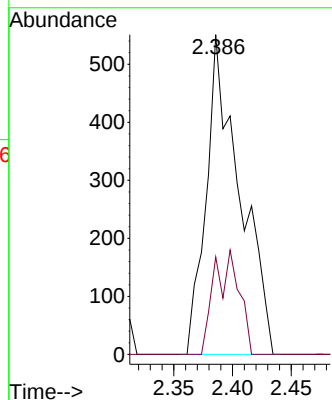
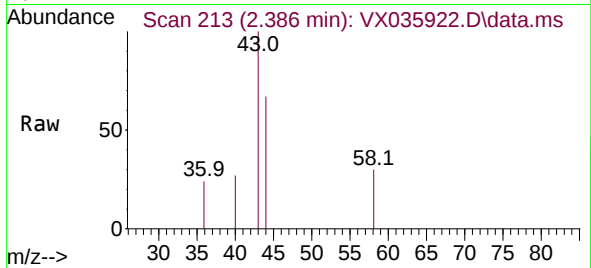




#16
Acetone
Concen: 0.644 ug/l
RT: 2.386 min Scan# 214
Delta R.T. -0.006 min
Lab File: VX035922.D
Acq: 31 May 2023 09:16

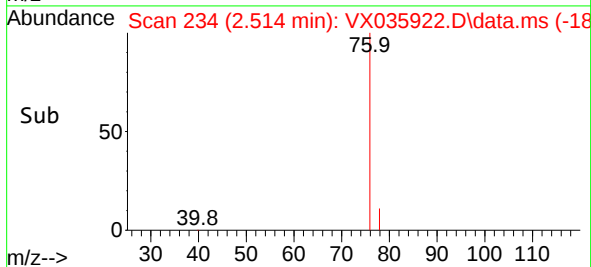
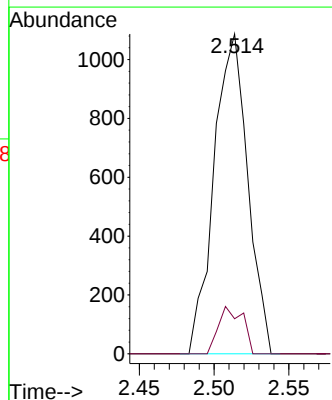
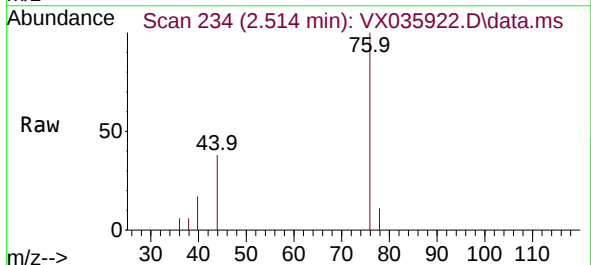
Instrument :
MSVOA_X
ClientSampleId :
VIBLK

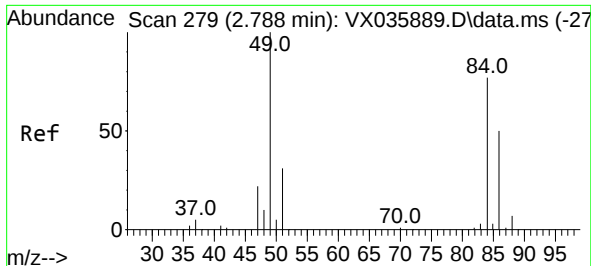
Tgt Ion: 43 Resp: 1093
Ion Ratio Lower Upper
43 100
58 30.5 22.2 33.2



#17
Carbon Disulfide
Concen: 0.284 ug/l
RT: 2.514 min Scan# 234
Delta R.T. 0.000 min
Lab File: VX035922.D
Acq: 31 May 2023 09:16

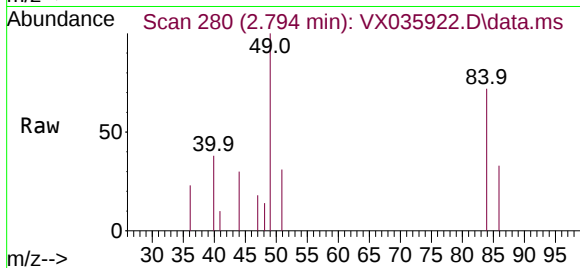
Tgt Ion: 76 Resp: 1706
Ion Ratio Lower Upper
76 100
78 10.9 7.6 11.4



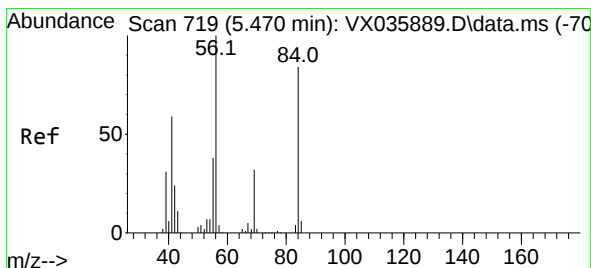
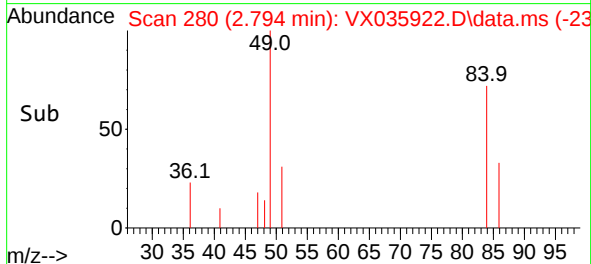
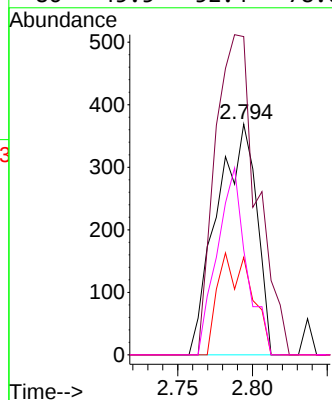


#20
Methylene Chloride
Concen: Below Cal
RT: 2.794 min Scan# 21
Delta R.T. 0.006 min
Lab File: VX035922.D
Acq: 31 May 2023 09:16

Instrument :
MSVOA_X
ClientSampleId :
VIBLK

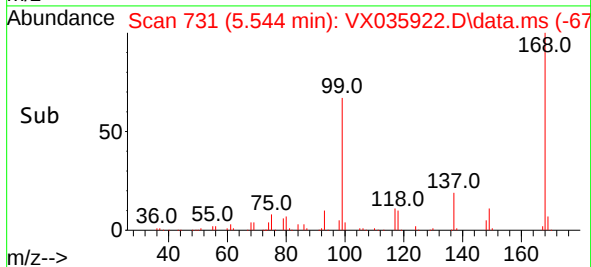
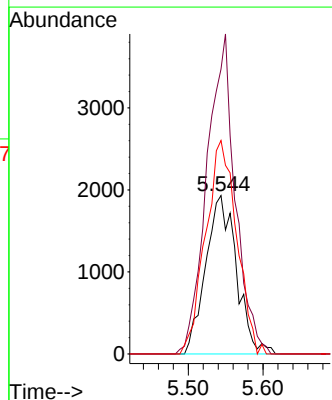
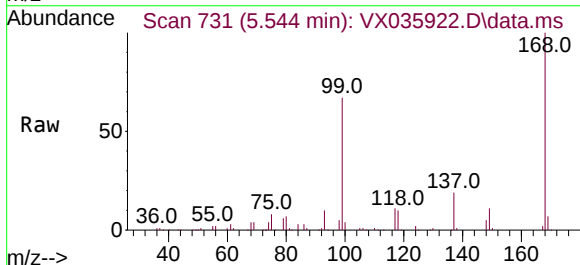


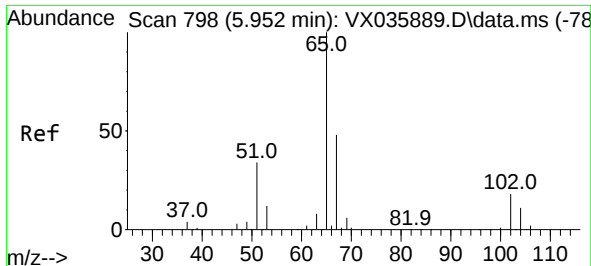
Tgt Ion:	84	Resp:	681
Ion	Ratio	Lower	Upper
84	100		
49	137.9	104.6	156.8
51	42.3	32.2	48.4
86	45.5	52.4	78.6



#31
Cyclohexane
Concen: 1.107 ug/l
RT: 5.544 min Scan# 731
Delta R.T. 0.073 min
Lab File: VX035922.D
Acq: 31 May 2023 09:16

Tgt Ion:	56	Resp:	5525
Ion	Ratio	Lower	Upper
56	100		
69	179.8	25.9	38.9
84	134.8	67.6	101.4





#33

1,2-Dichloroethane-d4

Concen: 36.545 ug/l

RT: 5.946 min Scan# 79

Delta R.T. -0.006 min

Lab File: VX035922.D

Acq: 31 May 2023 09:16

Instrument :

MSVOA_X

ClientSampleId :

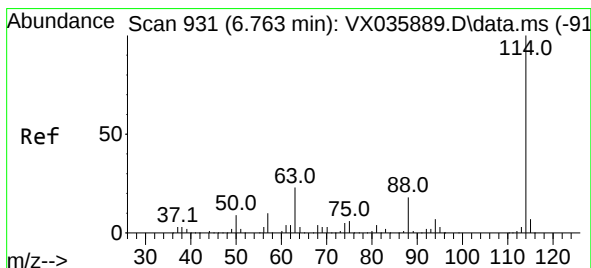
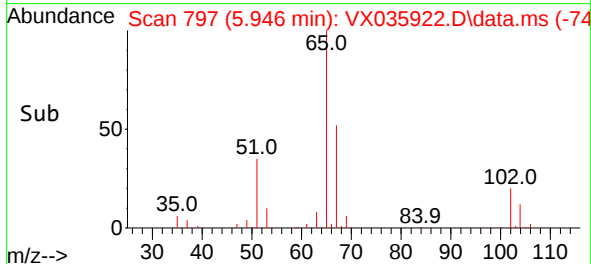
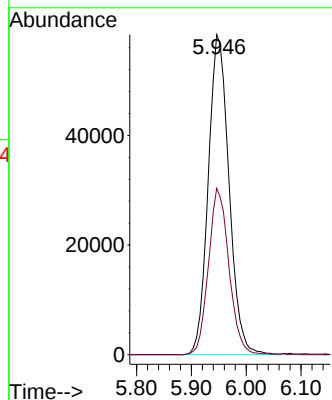
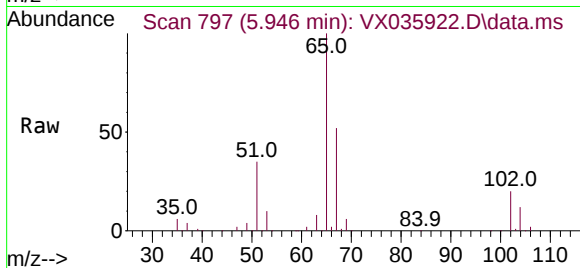
VIBLK

Tgt Ion: 65 Resp: 153602

Ion Ratio Lower Upper

65 100

67 51.2 0.0 99.6



#34

1,4-Difluorobenzene

Concen: 50.000 ug/l

RT: 6.757 min Scan# 930

Delta R.T. -0.006 min

Lab File: VX035922.D

Acq: 31 May 2023 09:16

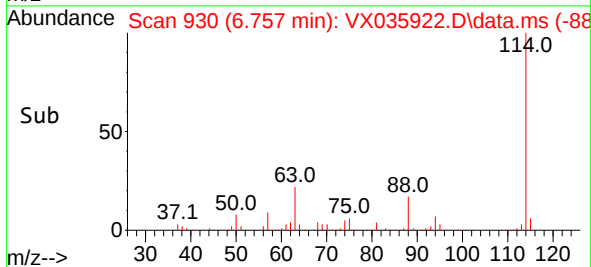
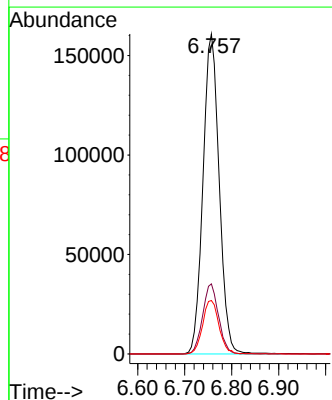
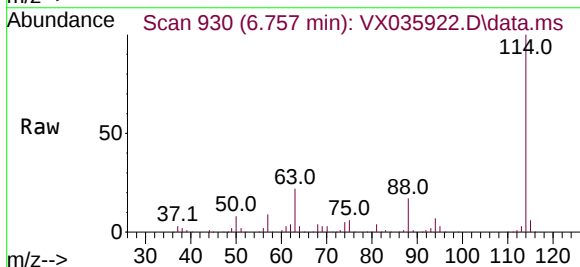
Tgt Ion: 114 Resp: 384275

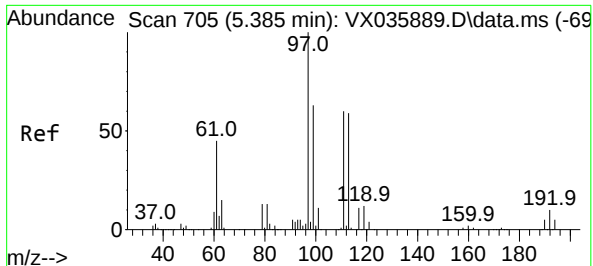
Ion Ratio Lower Upper

114 100

63 21.9 0.0 46.0

88 16.7 0.0 35.2





#35

Dibromofluoromethane

Concen: 44.096 ug/l

RT: 5.379 min Scan# 705

Delta R.T. -0.006 min

Lab File: VX035922.D

Acq: 31 May 2023 09:16

Instrument :

MSVOA_X

ClientSampleId :

VIBLK

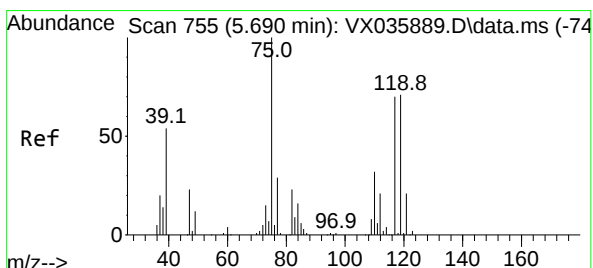
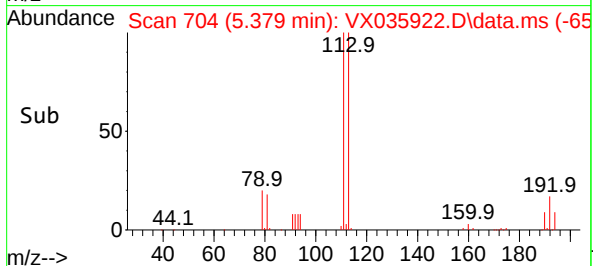
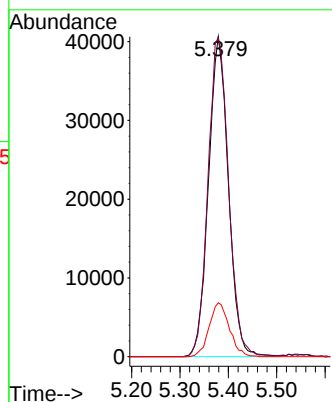
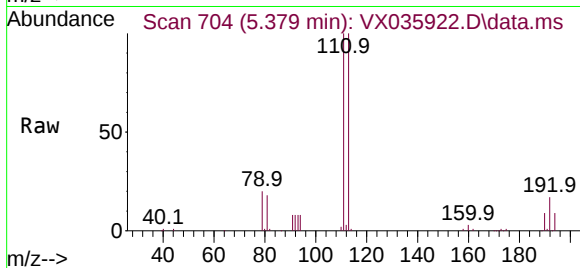
Tgt Ion:113 Resp: 116396

Ion Ratio Lower Upper

113 100

111 103.2 81.7 122.5

192 17.1 13.5 20.3



#36

1,1-Dichloropropene

Concen: 4.866 ug/l

RT: 5.550 min Scan# 732

Delta R.T. -0.140 min

Lab File: VX035922.D

Acq: 31 May 2023 09:16

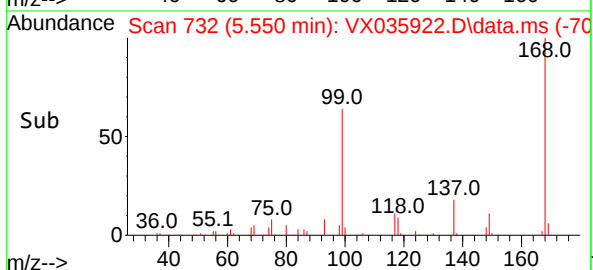
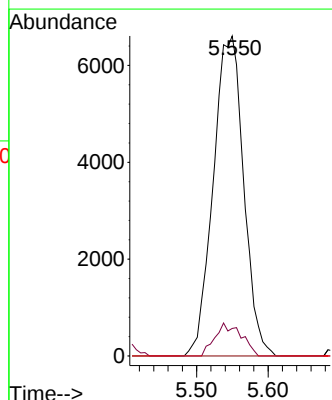
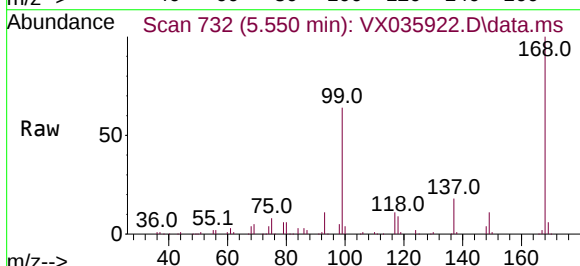
Tgt Ion: 75 Resp: 19505

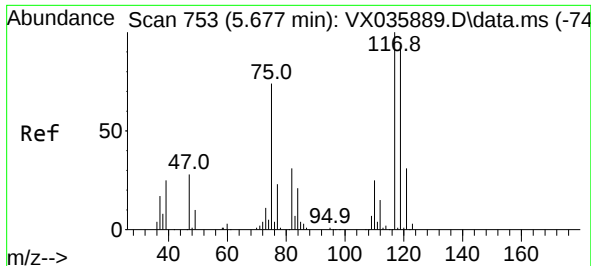
Ion Ratio Lower Upper

75 100

110 9.0 16.6 49.7#

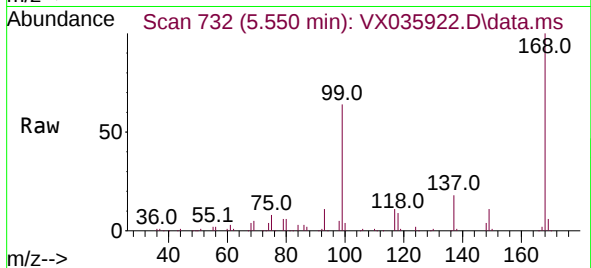
77 0.0 24.4 36.6#



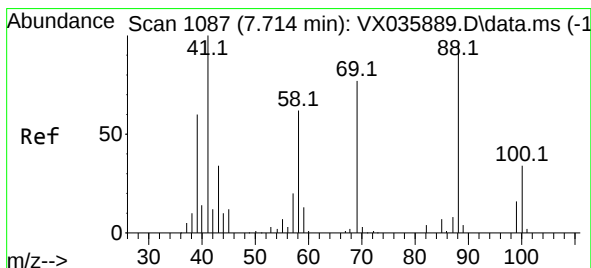
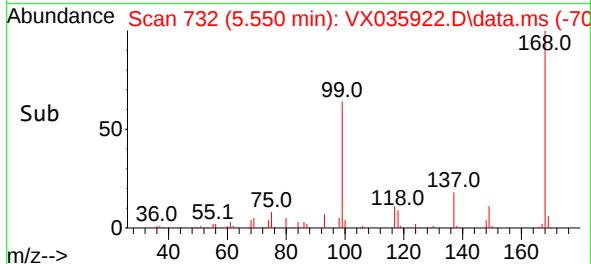
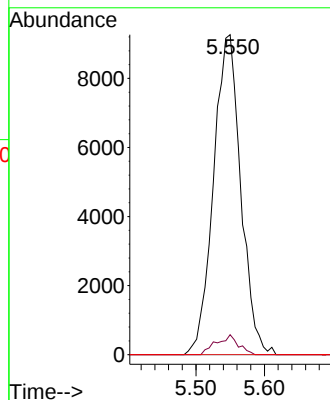


#38
Carbon Tetrachloride
Concen: 6.769 ug/l
RT: 5.550 min Scan# 71
Delta R.T. -0.128 min
Lab File: VX035922.D
Acq: 31 May 2023 09:16

Instrument :
MSVOA_X
ClientSampleId :
VIBLK

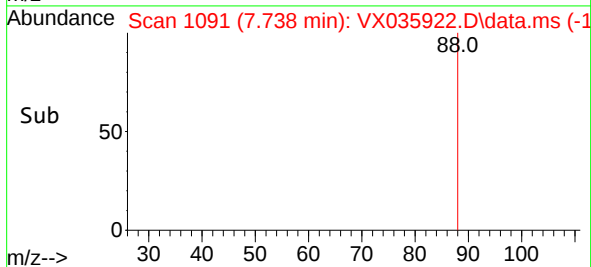
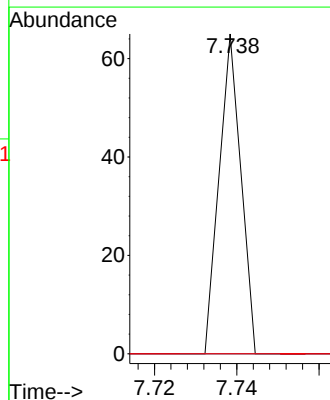
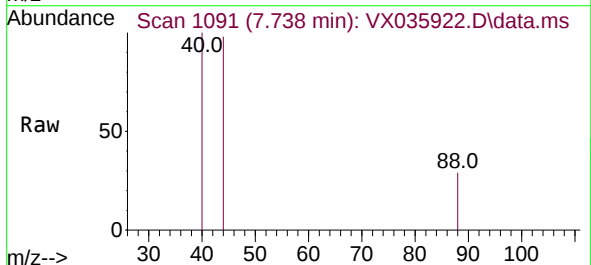


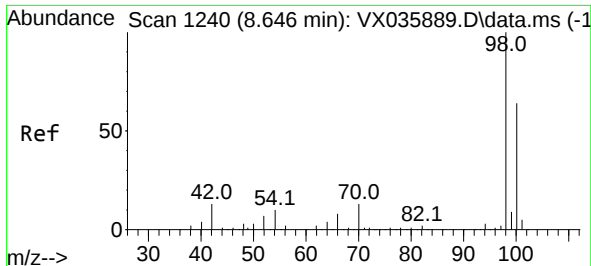
Tgt Ion:117 Resp: 25573
Ion Ratio Lower Upper
117 100
119 6.2 74.1 111.1#
121 0.0 25.0 37.4#



#49
1,4-Dioxane
Concen: 0.315 ug/l
RT: 7.738 min Scan# 1091
Delta R.T. 0.025 min
Lab File: VX035922.D
Acq: 31 May 2023 09:16

Tgt Ion: 88 Resp: 24
Ion Ratio Lower Upper
88 100
43 0.0 27.4 41.0#
58 0.0 58.9 88.3#





#50

Toluene-d8

Concen: 46.018 ug/l

RT: 8.647 min Scan# 11

Delta R.T. 0.000 min

Lab File: VX035922.D

Acq: 31 May 2023 09:16

Instrument :

MSVOA_X

ClientSampleId :

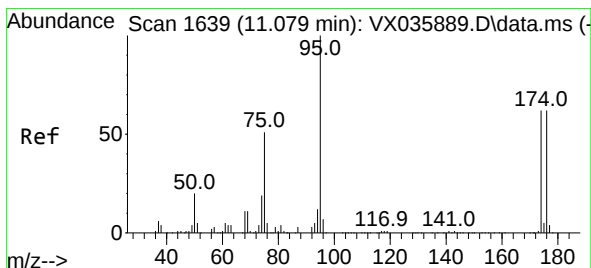
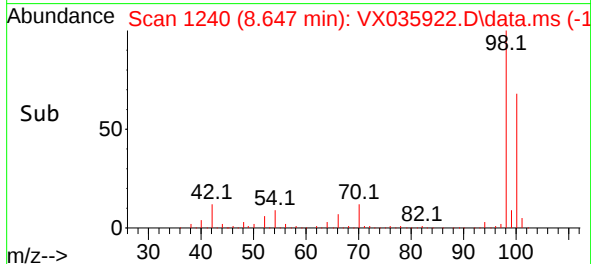
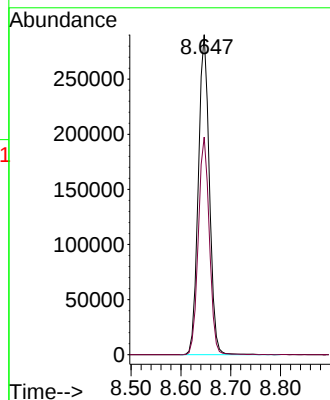
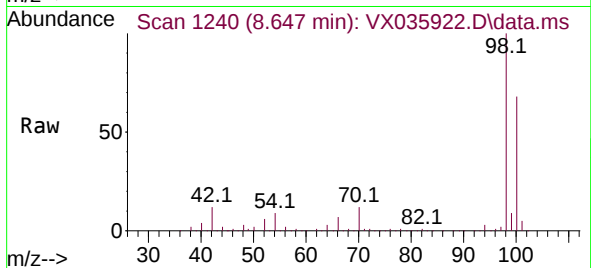
VIBLK

Tgt Ion: 98 Resp: 445789

Ion Ratio Lower Upper

98 100

100 67.7 53.4 80.0



#62

4-Bromofluorobenzene

Concen: 44.761 ug/l

RT: 11.079 min Scan# 1639

Delta R.T. 0.000 min

Lab File: VX035922.D

Acq: 31 May 2023 09:16

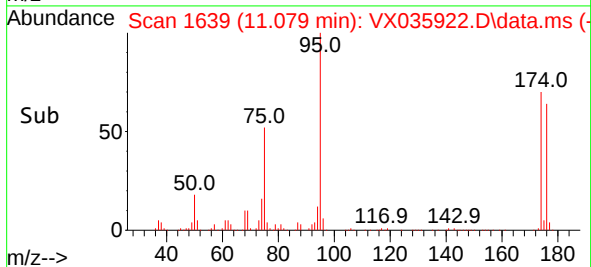
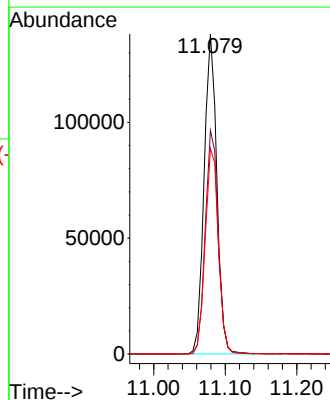
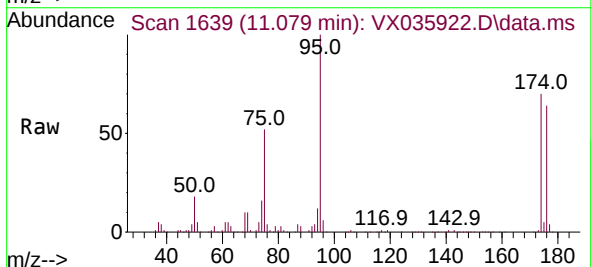
Tgt Ion: 95 Resp: 170841

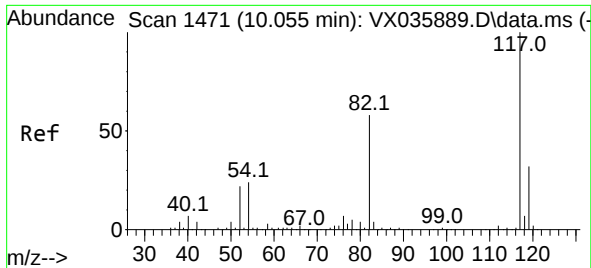
Ion Ratio Lower Upper

95 100

174 70.9 0.0 132.6

176 66.7 0.0 128.0

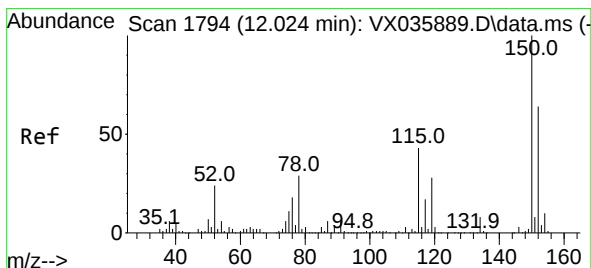
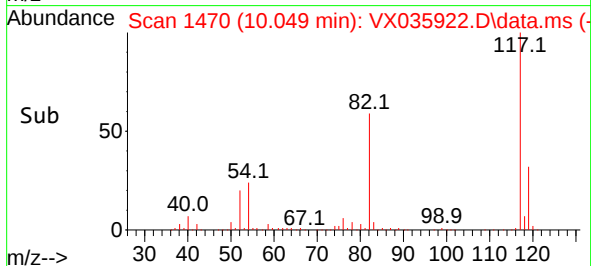
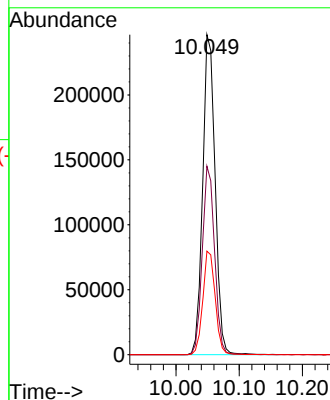
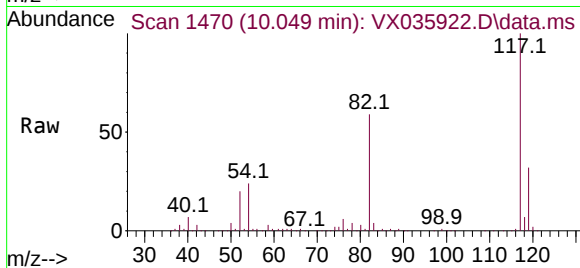




#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 10.049 min Scan# 1470
Delta R.T. -0.006 min
Lab File: VX035922.D
Acq: 31 May 2023 09:16

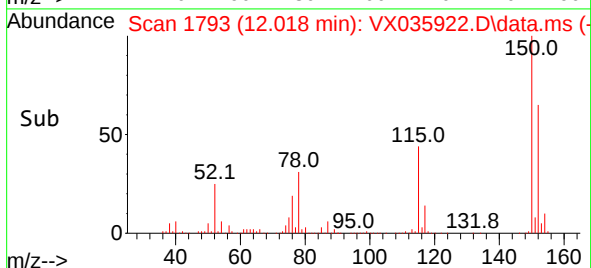
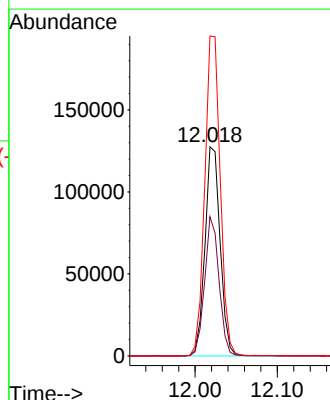
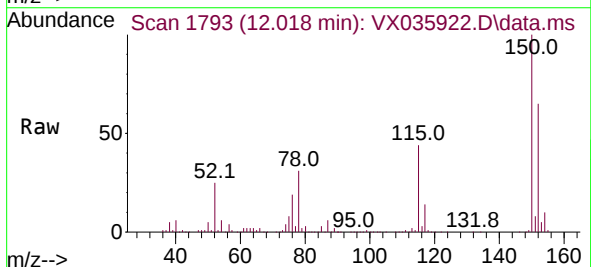
Instrument :
MSVOA_X
ClientSampleId :
VIBLK

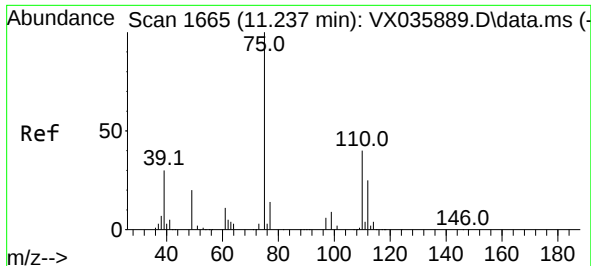
Tgt Ion:117 Resp: 338014
Ion Ratio Lower Upper
117 100
82 58.9 46.6 69.8
119 32.4 25.4 38.2



#72
1,4-Dichlorobenzene-d4
Concen: 50.000 ug/l
RT: 12.018 min Scan# 1793
Delta R.T. -0.006 min
Lab File: VX035922.D
Acq: 31 May 2023 09:16

Tgt Ion:152 Resp: 163340
Ion Ratio Lower Upper
152 100
115 63.2 45.5 136.5
150 156.1 0.0 345.2

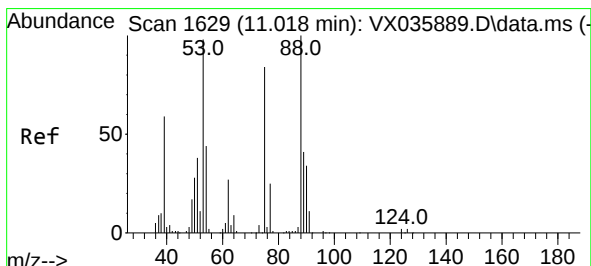
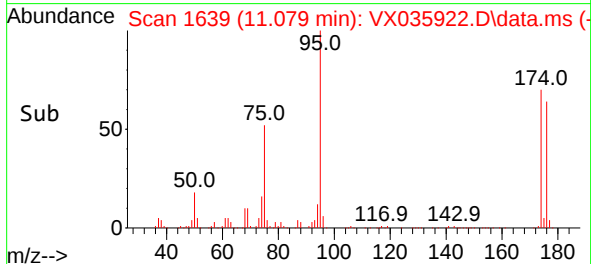
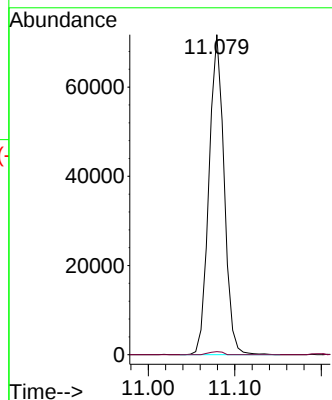
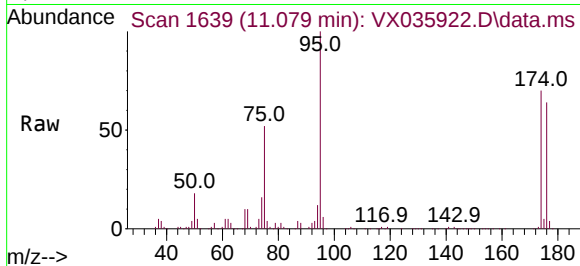




#76
1,2,3-Trichloropropane
Concen: 21.395 ug/l
RT: 11.079 min Scan# 1639
Delta R.T. -0.158 min
Lab File: VX035922.D
Acq: 31 May 2023 09:16

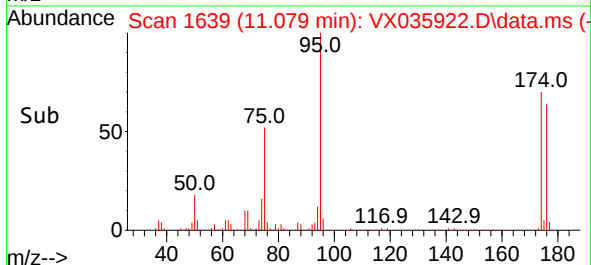
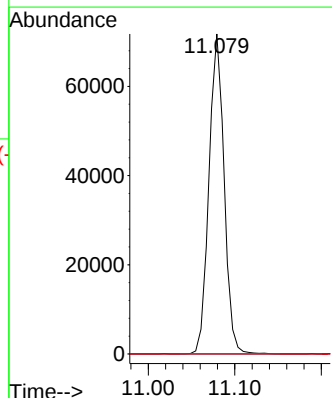
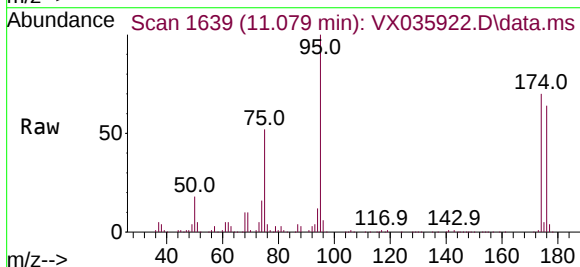
Instrument :
MSVOA_X
ClientSampleId :
VIBLK

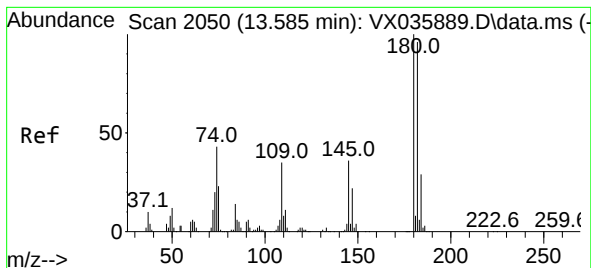
Tgt Ion: 75 Resp: 87213
Ion Ratio Lower Upper
75 100
77 0.9 21.4 64.2#



#81
trans-1,4-Dichloro-2-butene
Concen: 68.067 ug/l
RT: 11.079 min Scan# 1639
Delta R.T. 0.061 min
Lab File: VX035922.D
Acq: 31 May 2023 09:16

Tgt Ion: 75 Resp: 87213
Ion Ratio Lower Upper
75 100
53 0.0 95.2 142.8#
89 0.0 38.0 57.0#





#93

1,2,4-Trichlorobenzene

Concen: 0.220 ug/l

RT: 13.585 min Scan# 2050

Delta R.T. 0.000 min

Lab File: VX035922.D

Acq: 31 May 2023 09:16

Instrument :

MSVOA_X

ClientSampleId :

VIBLK

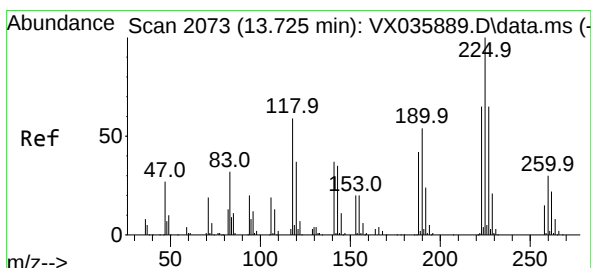
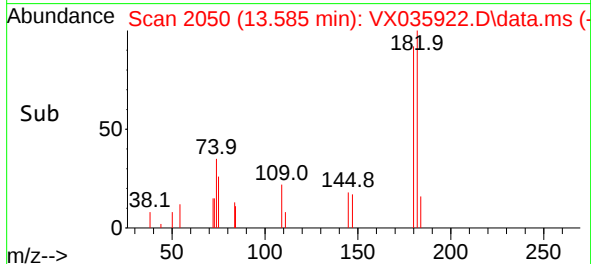
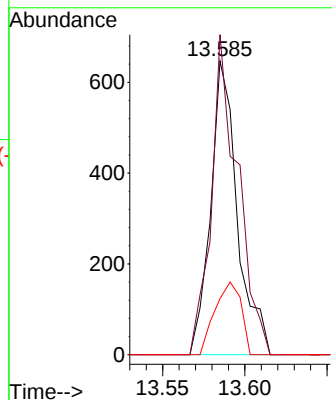
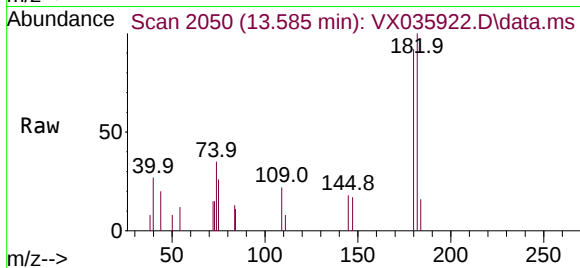
Tgt Ion:180 Resp: 729

Ion Ratio Lower Upper

180 100

182 108.1 47.3 141.8

145 24.3 17.3 51.9



#94

Hexachlorobutadiene

Concen: 0.997 ug/l

RT: 13.719 min Scan# 2072

Delta R.T. -0.006 min

Lab File: VX035922.D

Acq: 31 May 2023 09:16

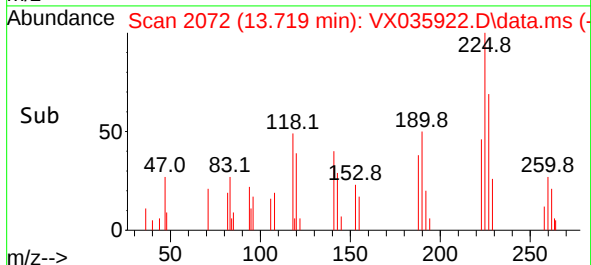
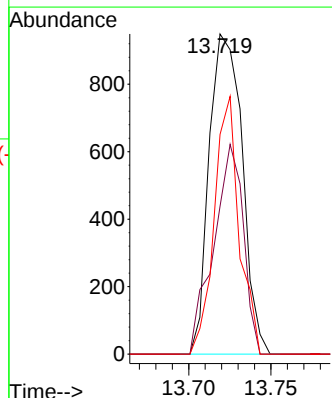
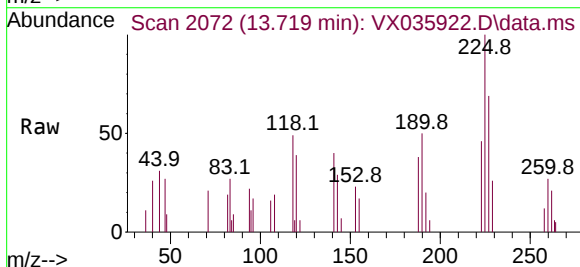
Tgt Ion:225 Resp: 1324

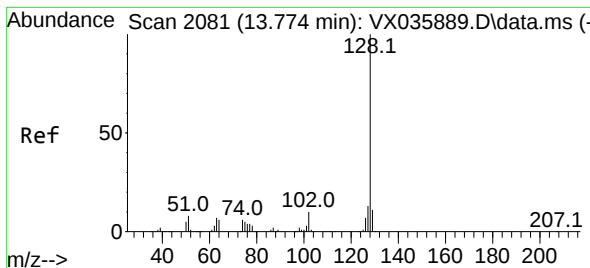
Ion Ratio Lower Upper

225 100

223 59.0 32.6 97.7

227 60.6 31.9 95.7





#95

Naphthalene

Concen: 0.218 ug/l

RT: 13.774 min Scan# 2081

Delta R.T. 0.000 min

Lab File: VX035922.D

Acq: 31 May 2023 09:16

Instrument :

MSVOA_X

ClientSampleId :

VIBLK

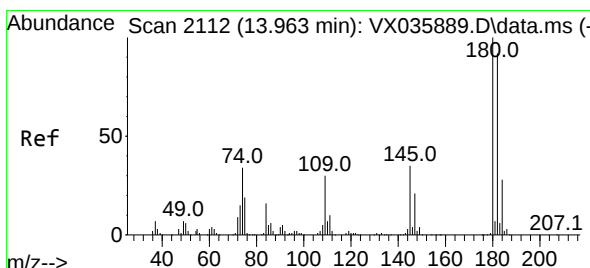
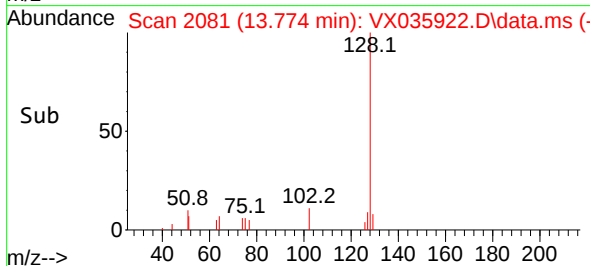
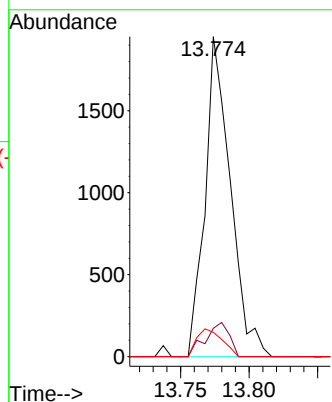
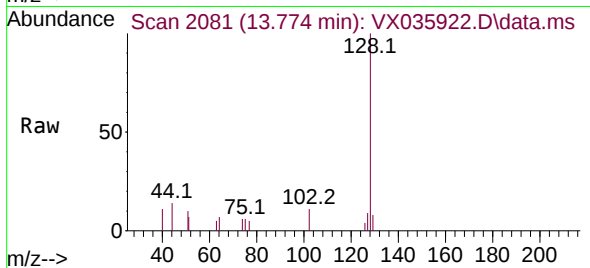
Tgt Ion:128 Resp: 2507

Ion Ratio Lower Upper

128 100

127 10.0 10.3 15.5#

129 8.7 8.7 13.1#



#96

1,2,3-Trichlorobenzene

Concen: 0.230 ug/l

RT: 13.963 min Scan# 2112

Delta R.T. 0.000 min

Lab File: VX035922.D

Acq: 31 May 2023 09:16

Tgt Ion:180 Resp: 759

Ion Ratio Lower Upper

180 100

182 120.4 46.9 140.7

145 39.1 18.1 54.3

