

Data Path : Z:\voasrv\HPCHEM1\MSVOA_X\Data\VX053123\
 Data File : VX035935.D
 Acq On : 31 May 2023 14:48
 Operator : JC/MD
 Sample : VIBLK
 Misc : 5.0mL/MSVOA_X/WATER
 ALS Vial : 16 Sample Multiplier: 1

Instrument :
 MSVOA_X
 ClientSampleId :
 VIBLK

Quant Time: May 31 17:08:40 2023
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA_X\Method\82X053123W.M
 Quant Title : SW846 8260
 QLast Update : Wed May 31 12:50:30 2023
 Response via : Initial Calibration

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

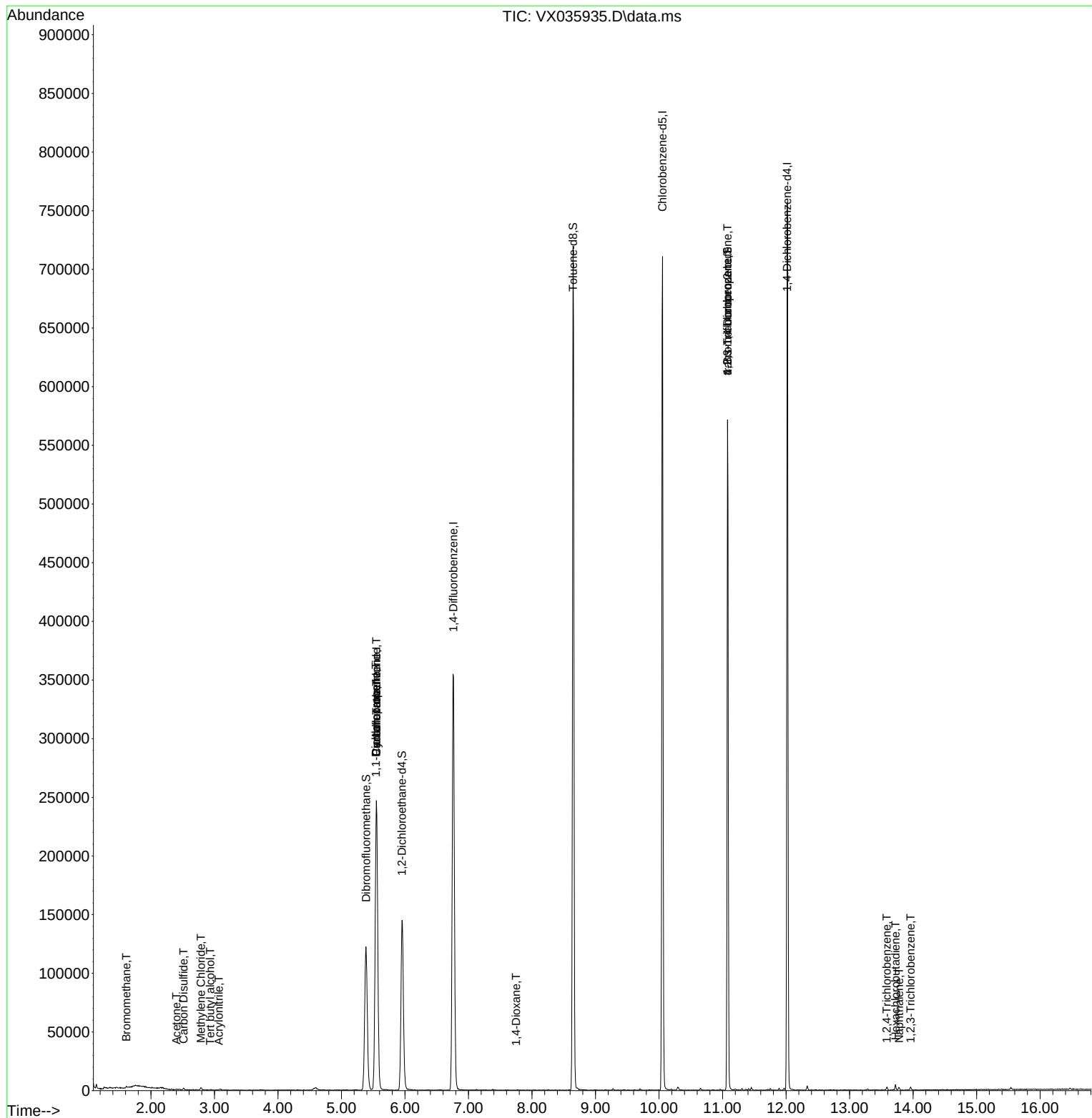
Internal Standards						
1) Pentafluorobenzene	5.550	168	223044	50.000	ug/l	0.00
34) 1,4-Difluorobenzene	6.763	114	358859	50.000	ug/l	0.00
63) Chlorobenzene-d5	10.055	117	308314	50.000	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	12.018	152	147583	50.000	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	5.952	65	144299	39.841	ug/l	0.00
Spiked Amount 50.000	Range 78 - 117		Recovery =	79.680%		
35) Dibromofluoromethane	5.385	113	107306	44.458	ug/l	0.00
Spiked Amount 50.000	Range 75 - 124		Recovery =	88.920%		
50) Toluene-d8	8.647	98	417734	48.223	ug/l	0.00
Spiked Amount 50.000	Range 92 - 112		Recovery =	96.440%		
62) 4-Bromofluorobenzene	11.079	95	158845	46.452	ug/l	0.00
Spiked Amount 50.000	Range 83 - 123		Recovery =	92.900%		
Target Compounds						Qvalue
5) Bromomethane	1.612	94	403	0.234	ug/l #	48
11) Tert butyl alcohol	2.934	59	196	0.305	ug/l #	78
15) Acrylonitrile	3.069	53	344	0.228	ug/l #	17
16) Acetone	2.398	43	921	0.616	ug/l	93
17) Carbon Disulfide	2.514	76	1841	0.328	ug/l #	74
20) Methylene Chloride	2.788	84	935	0.325	ug/l #	81
31) Cyclohexane	5.550	56	5438	1.434	ug/l #	11
36) 1,1-Dichloropropene	5.544	75	18958	5.891	ug/l #	51
38) Carbon Tetrachloride	5.550	117	24093	7.682	ug/l #	16
49) 1,4-Dioxane	7.751	88	22	0.332	ug/l #	60
76) 1,2,3-Trichloropropane	11.079	75	80894	24.302	ug/l #	35
81) trans-1,4-Dichloro-2-b...	11.079	75	80894	81.858	ug/l #	3
93) 1,2,4-Trichlorobenzene	13.585	180	793	0.282	ug/l	97
94) Hexachlorobutadiene	13.725	225	595	0.556	ug/l	88
95) Naphthalene	13.780	128	2186	0.223	ug/l #	89
96) 1,2,3-Trichlorobenzene	13.963	180	662	0.238	ug/l	97

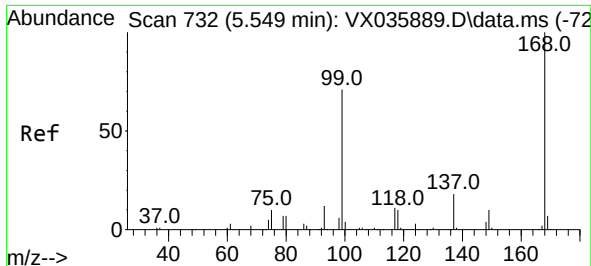
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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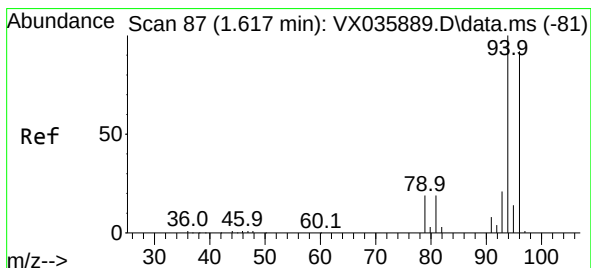
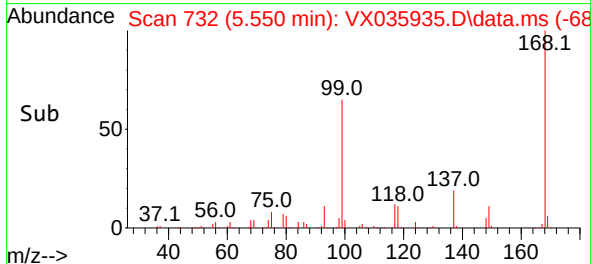
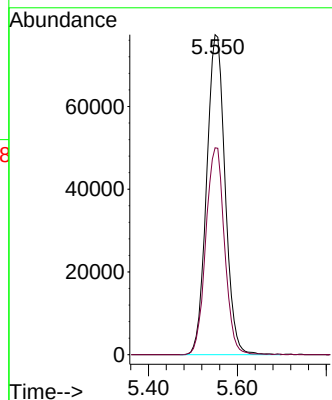
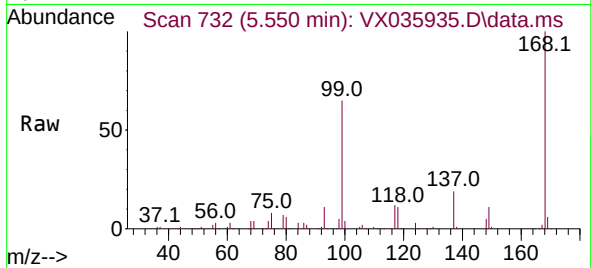




#1
Pentafluorobenzene
Concen: 50.000 ug/l
RT: 5.550 min Scan# 71
Delta R.T. 0.001 min
Lab File: VX035935.D
Acq: 31 May 2023 14:48

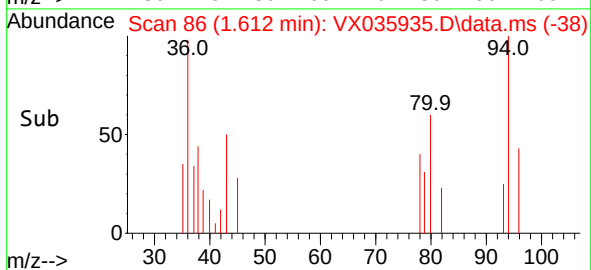
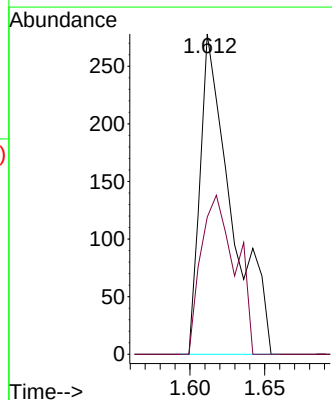
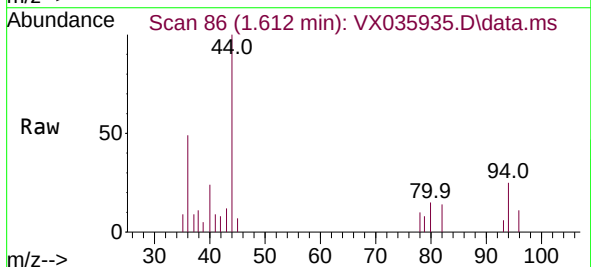
Instrument :
MSVOA_X
ClientSampleId :
VIBLK

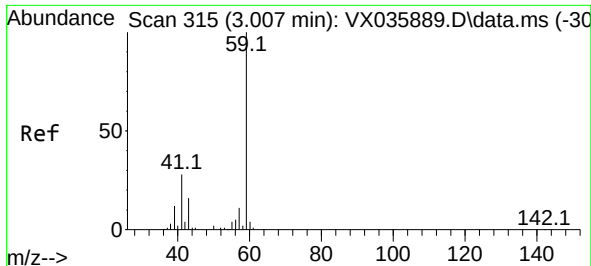
Tgt Ion:168 Resp: 223044
Ion Ratio Lower Upper
168 100
99 64.6 57.0 85.6



#5
Bromomethane
Concen: 0.234 ug/l
RT: 1.612 min Scan# 86
Delta R.T. -0.005 min
Lab File: VX035935.D
Acq: 31 May 2023 14:48

Tgt Ion: 94 Resp: 403
Ion Ratio Lower Upper
94 100
96 42.8 73.5 110.3#





#11

Tert butyl alcohol

Concen: 0.305 ug/l

RT: 2.934 min Scan# 303

Delta R.T. -0.073 min

Lab File: VX035935.D

Acq: 31 May 2023 14:48

Instrument :

MSVOA_X

ClientSampleId :

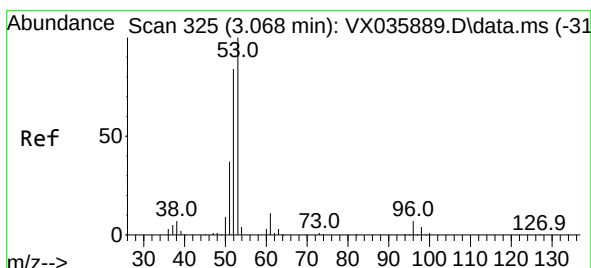
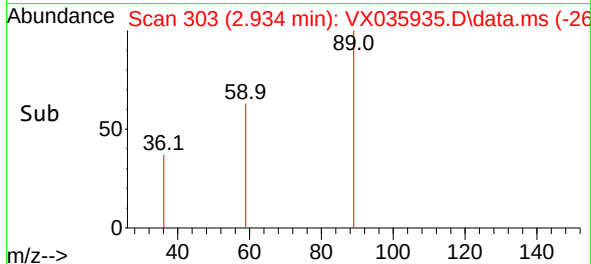
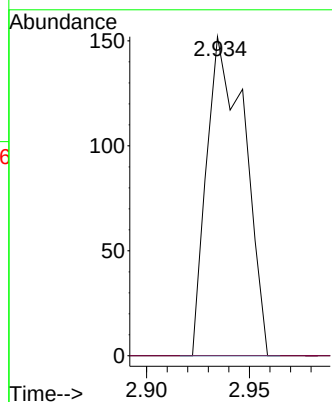
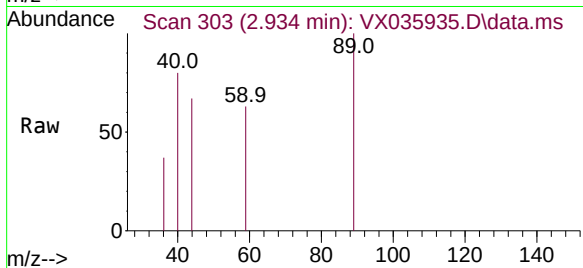
VIBLK

Tgt Ion: 59 Resp: 196

Ion Ratio Lower Upper

59 100

57 0.0 6.0 9.0#



#15

Acrylonitrile

Concen: 0.228 ug/l

RT: 3.069 min Scan# 325

Delta R.T. 0.001 min

Lab File: VX035935.D

Acq: 31 May 2023 14:48

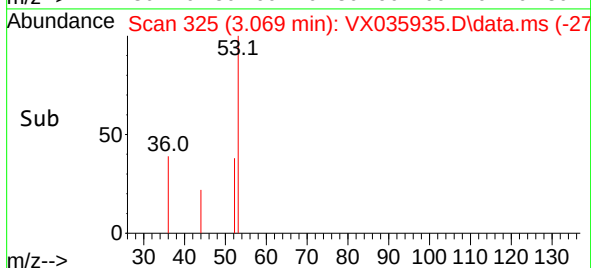
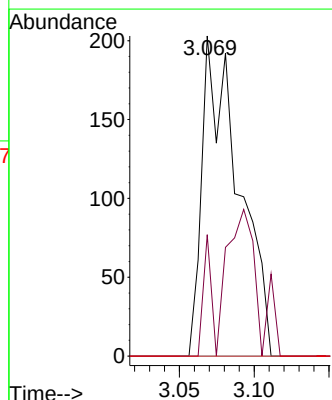
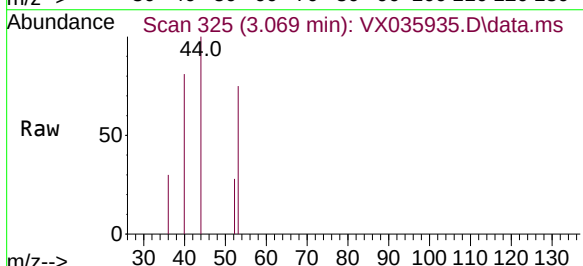
Tgt Ion: 53 Resp: 344

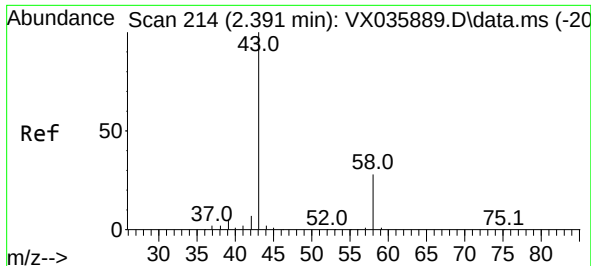
Ion Ratio Lower Upper

53 100

52 0.0 67.0 100.4#

51 0.0 29.8 44.8#

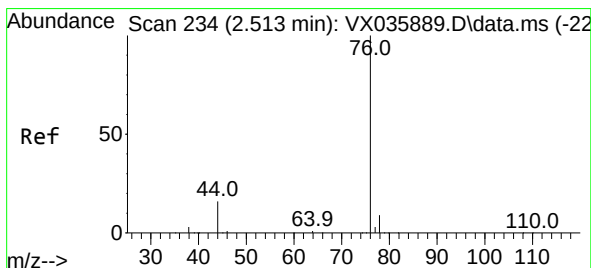
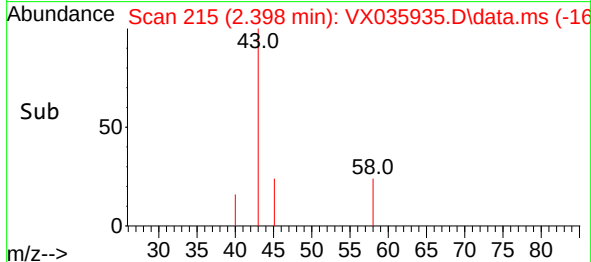
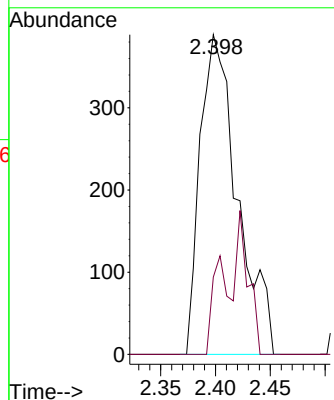
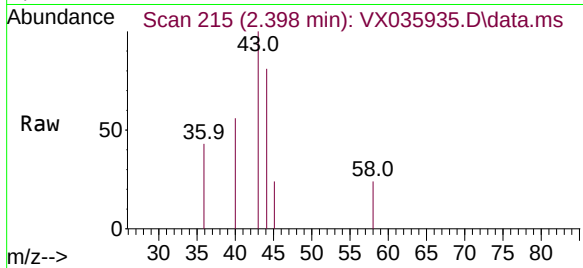




#16
Acetone
Concen: 0.616 ug/l
RT: 2.398 min Scan# 215
Delta R.T. 0.007 min
Lab File: VX035935.D
Acq: 31 May 2023 14:48

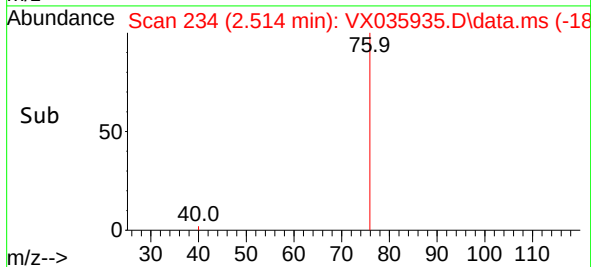
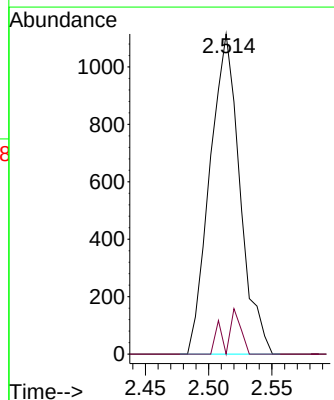
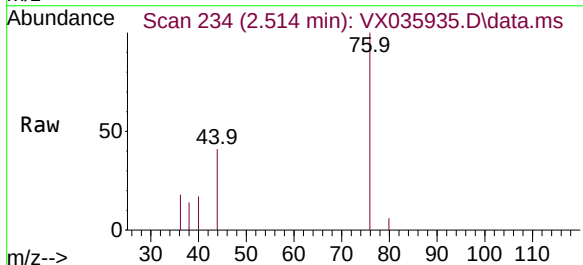
Instrument :
MSVOA_X
ClientSampleId :
VIBLK

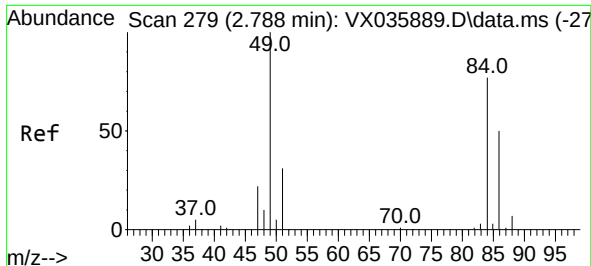
Tgt Ion: 43 Resp: 921
Ion Ratio Lower Upper
43 100
58 24.2 22.2 33.2



#17
Carbon Disulfide
Concen: 0.328 ug/l
RT: 2.514 min Scan# 234
Delta R.T. 0.001 min
Lab File: VX035935.D
Acq: 31 May 2023 14:48

Tgt Ion: 76 Resp: 1841
Ion Ratio Lower Upper
76 100
78 0.0 7.6 11.4#

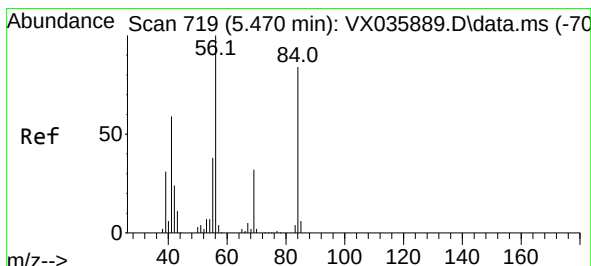
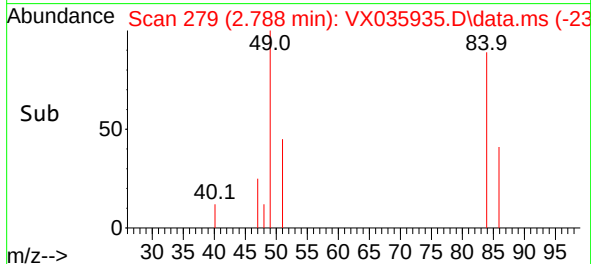
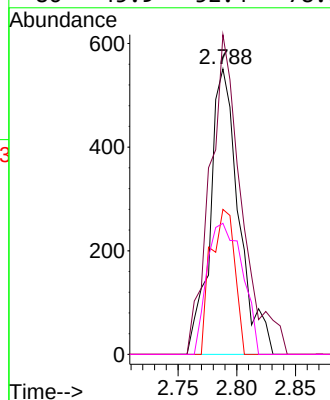
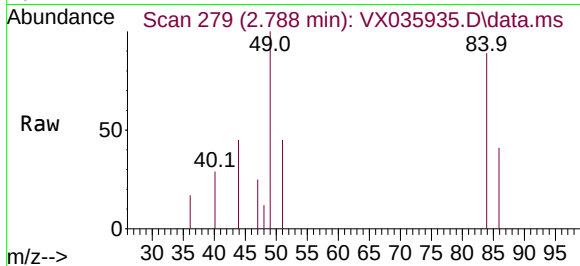




#20
Methylene Chloride
Concen: 0.325 ug/l
RT: 2.788 min Scan# 21
Delta R.T. 0.000 min
Lab File: VX035935.D
Acq: 31 May 2023 14:48

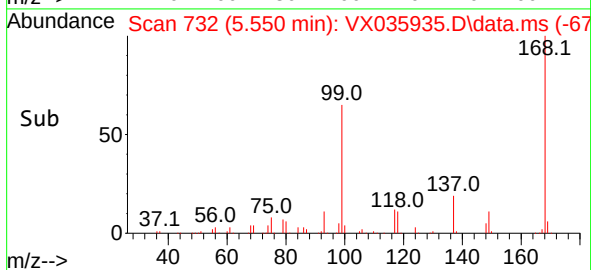
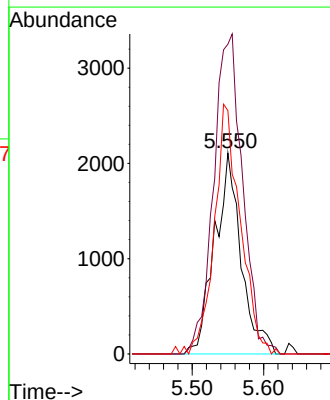
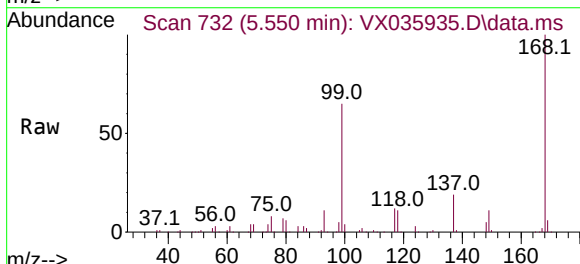
Instrument :
MSVOA_X
ClientSampleId :
VIBLK

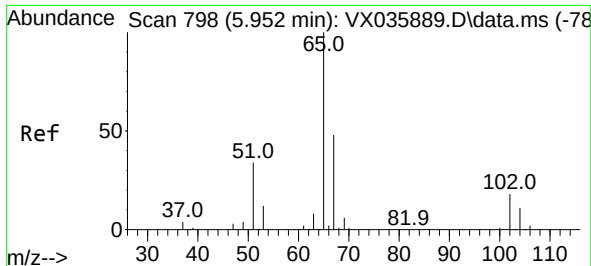
Tgt Ion:	84	Resp:	935
Ion	Ratio	Lower	Upper
84	100		
49	112.0	104.6	156.8
51	50.8	32.2	48.4#
86	45.9	52.4	78.6#



#31
Cyclohexane
Concen: 1.434 ug/l
RT: 5.550 min Scan# 732
Delta R.T. 0.080 min
Lab File: VX035935.D
Acq: 31 May 2023 14:48

Tgt Ion:	56	Resp:	5438
Ion	Ratio	Lower	Upper
56	100		
69	154.1	25.9	38.9#
84	121.0	67.6	101.4#





#33

1,2-Dichloroethane-d4

Concen: 39.841 ug/l

RT: 5.952 min Scan# 798

Delta R.T. 0.000 min

Lab File: VX035935.D

Acq: 31 May 2023 14:48

Instrument :

MSVOA_X

ClientSampleId :

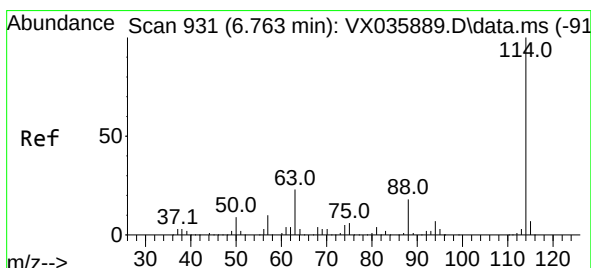
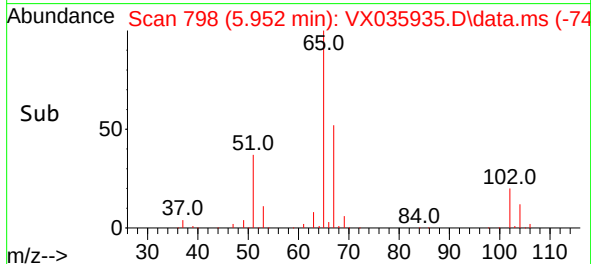
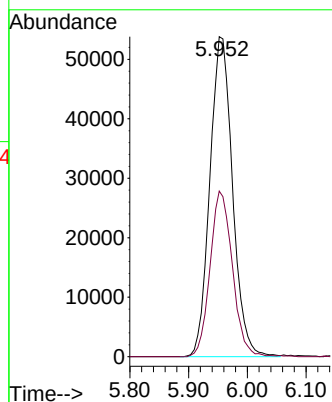
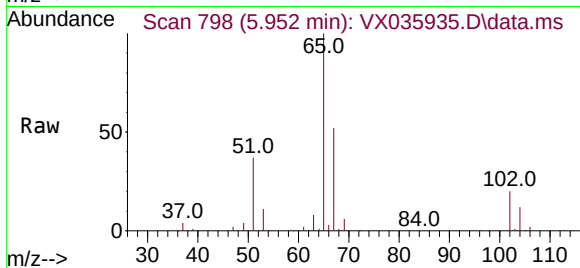
VIBLK

Tgt Ion: 65 Resp: 144299

Ion Ratio Lower Upper

65 100

67 51.0 0.0 99.6



#34

1,4-Difluorobenzene

Concen: 50.000 ug/l

RT: 6.763 min Scan# 931

Delta R.T. 0.000 min

Lab File: VX035935.D

Acq: 31 May 2023 14:48

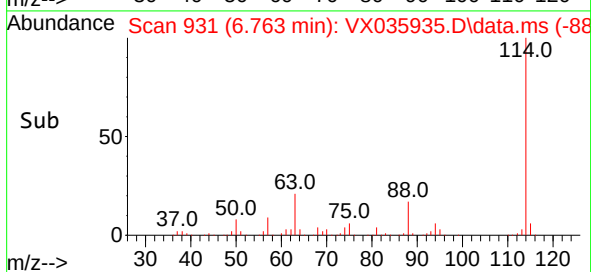
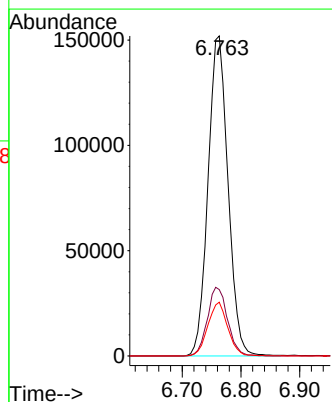
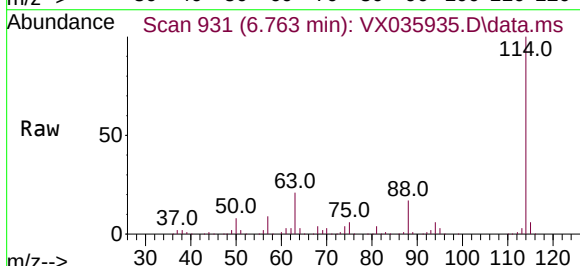
Tgt Ion: 114 Resp: 358859

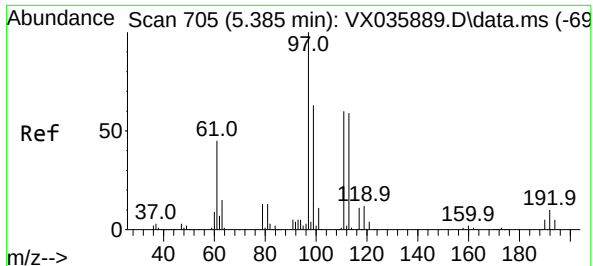
Ion Ratio Lower Upper

114 100

63 20.8 0.0 46.0

88 16.8 0.0 35.2





#35

Dibromofluoromethane

Concen: 44.458 ug/l

RT: 5.385 min Scan# 705

Delta R.T. 0.000 min

Lab File: VX035935.D

Acq: 31 May 2023 14:48

Instrument :

MSVOA_X

ClientSampleId :

VIBLK

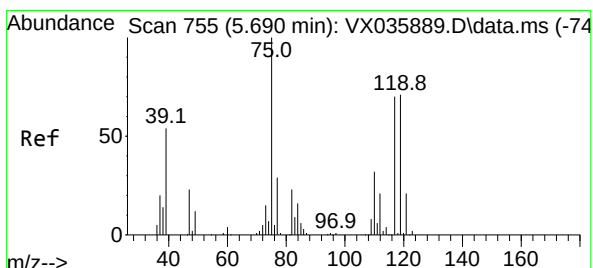
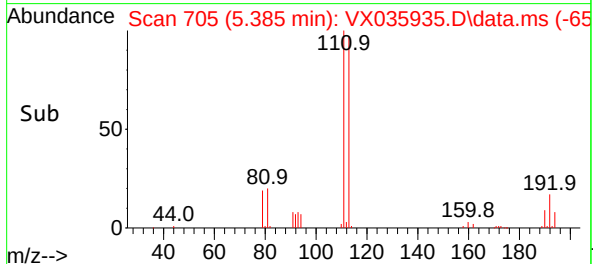
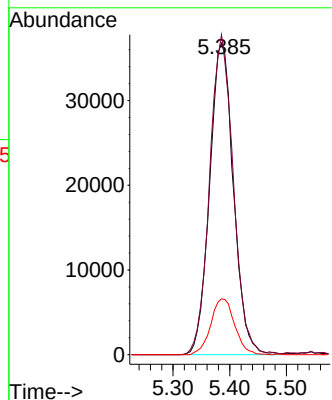
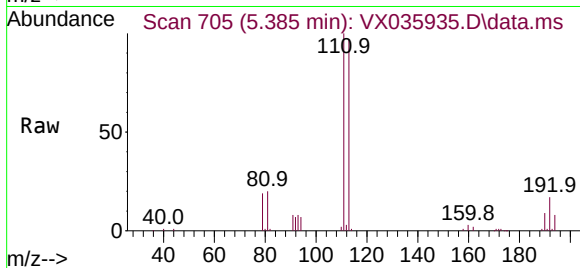
Tgt Ion:113 Resp: 107306

Ion Ratio Lower Upper

113 100

111 102.0 81.7 122.5

192 18.0 13.5 20.3



#36

1,1-Dichloropropene

Concen: 5.891 ug/l

RT: 5.544 min Scan# 731

Delta R.T. -0.146 min

Lab File: VX035935.D

Acq: 31 May 2023 14:48

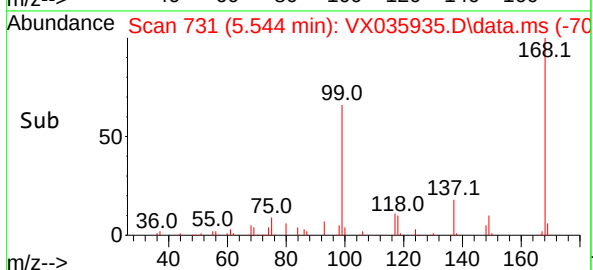
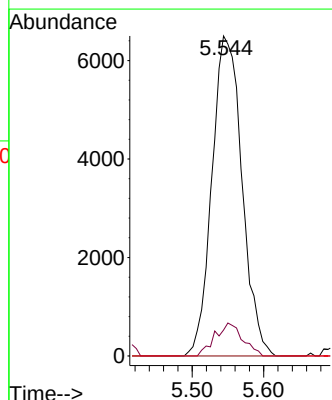
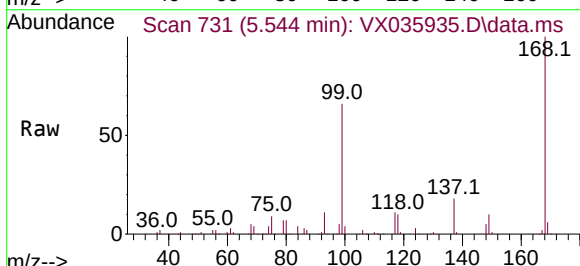
Tgt Ion: 75 Resp: 18958

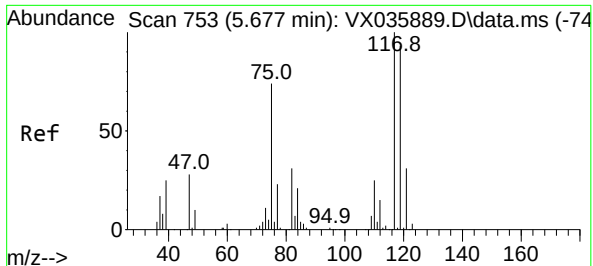
Ion Ratio Lower Upper

75 100

110 9.4 16.6 49.7#

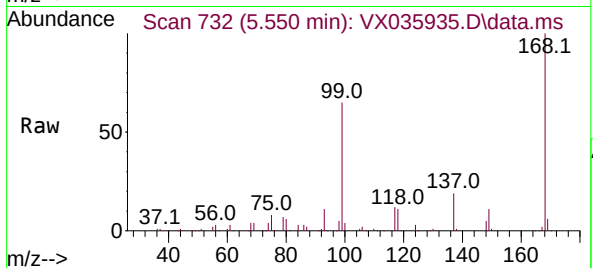
77 0.0 24.4 36.6#



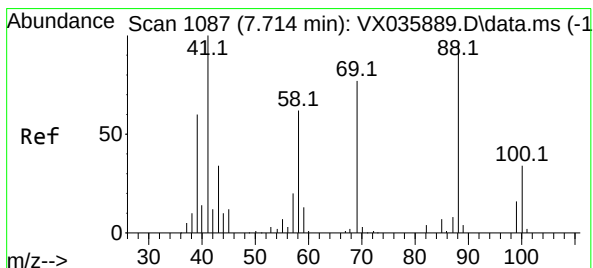
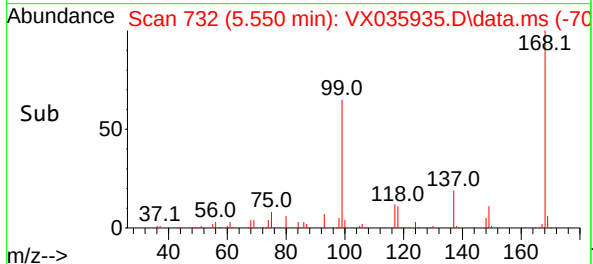
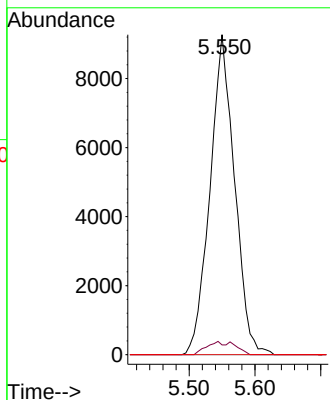


#38
Carbon Tetrachloride
Concen: 7.682 ug/l
RT: 5.550 min Scan# 71
Delta R.T. -0.127 min
Lab File: VX035935.D
Acq: 31 May 2023 14:48

Instrument :
MSVOA_X
ClientSampleId :
VIBLK

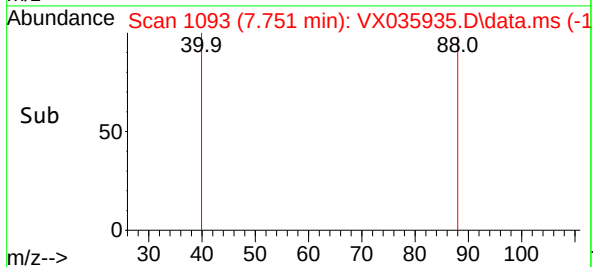
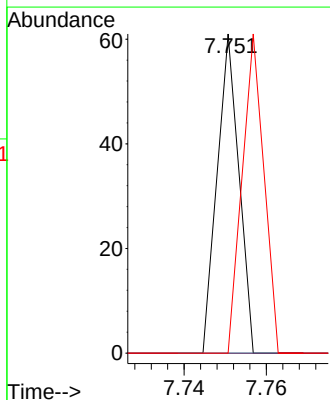
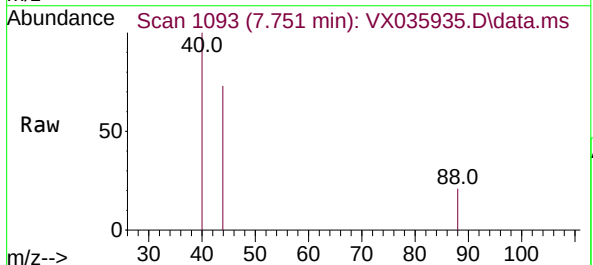


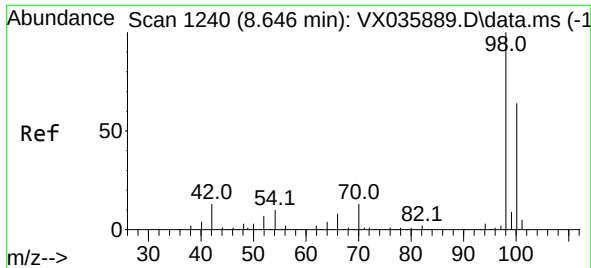
Tgt Ion:117 Resp: 24093
Ion Ratio Lower Upper
117 100
119 3.1 74.1 111.1#
121 0.0 25.0 37.4#



#49
1,4-Dioxane
Concen: 0.332 ug/l
RT: 7.751 min Scan# 1093
Delta R.T. 0.037 min
Lab File: VX035935.D
Acq: 31 May 2023 14:48

Tgt Ion: 88 Resp: 22
Ion Ratio Lower Upper
88 100
43 0.0 27.4 41.0#
58 100.0 58.9 88.3#

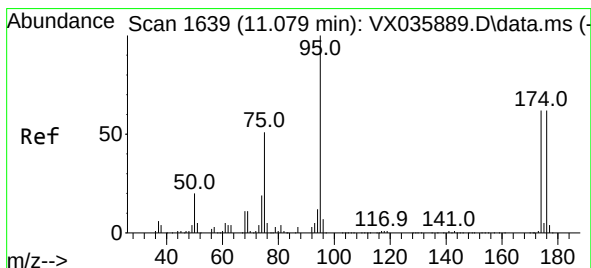
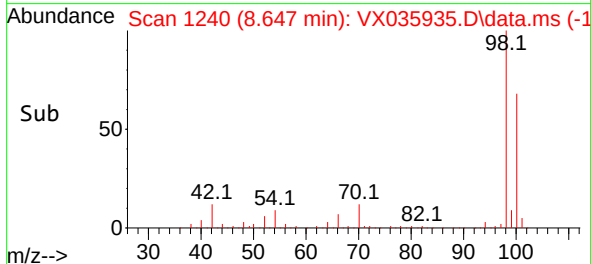
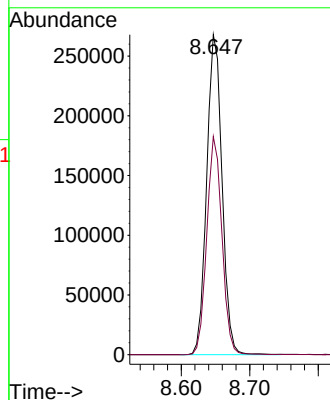
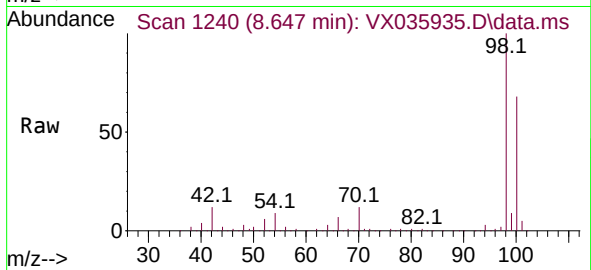




#50
Toluene-d8
Concen: 48.223 ug/l
RT: 8.647 min Scan# 11
Delta R.T. 0.001 min
Lab File: VX035935.D
Acq: 31 May 2023 14:48

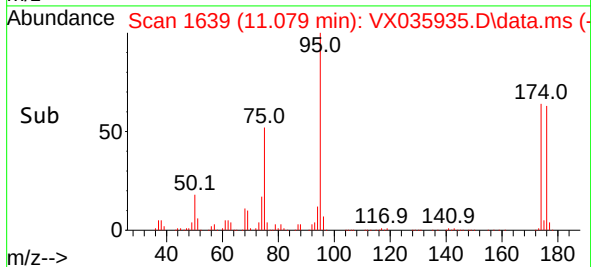
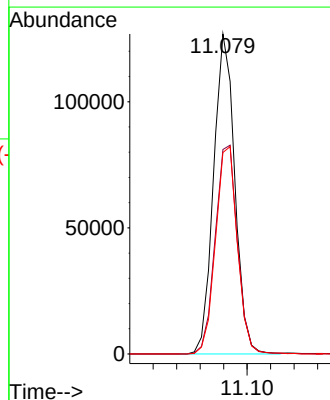
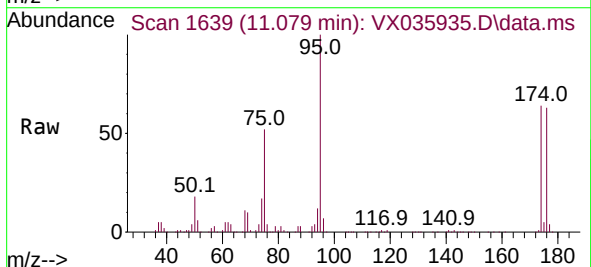
Instrument :
MSVOA_X
ClientSampleId :
VIBLK

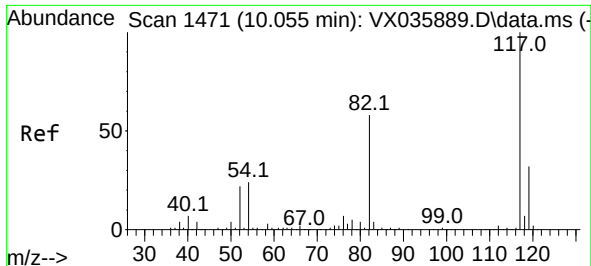
Tgt Ion: 98 Resp: 417734
Ion Ratio Lower Upper
98 100
100 67.3 53.4 80.0



#62
4-Bromofluorobenzene
Concen: 46.452 ug/l
RT: 11.079 min Scan# 1639
Delta R.T. 0.000 min
Lab File: VX035935.D
Acq: 31 May 2023 14:48

Tgt Ion: 95 Resp: 158845
Ion Ratio Lower Upper
95 100
174 68.5 0.0 132.6
176 66.7 0.0 128.0

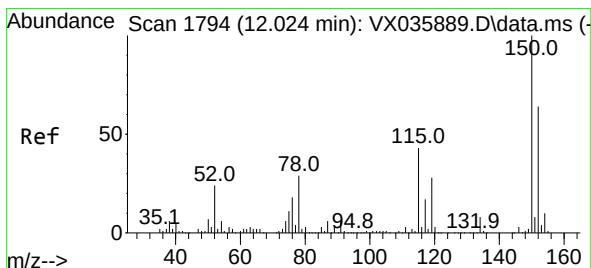
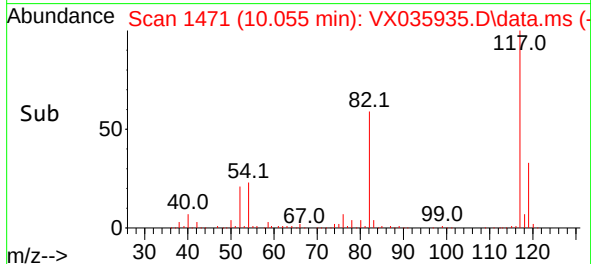
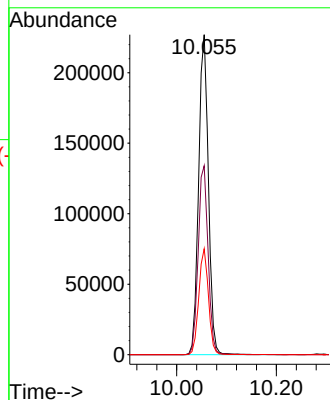
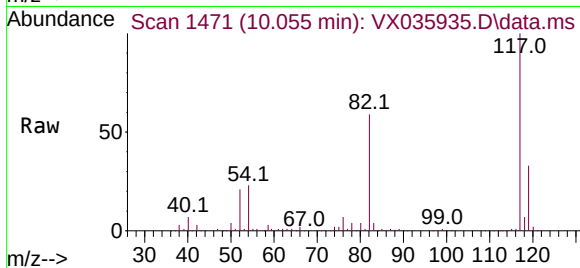




#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 10.055 min Scan# 1471
Delta R.T. 0.000 min
Lab File: VX035935.D
Acq: 31 May 2023 14:48

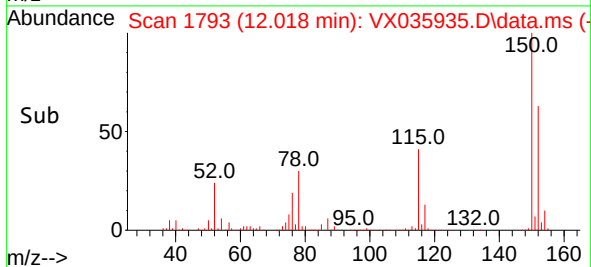
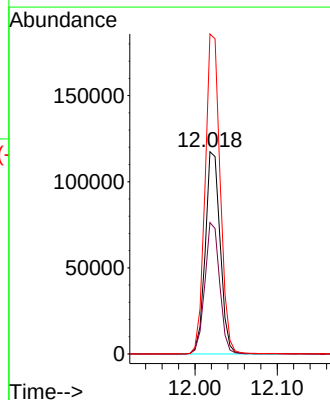
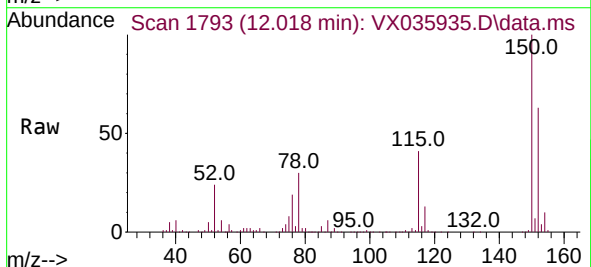
Instrument :
MSVOA_X
ClientSampleId :
VIBLK

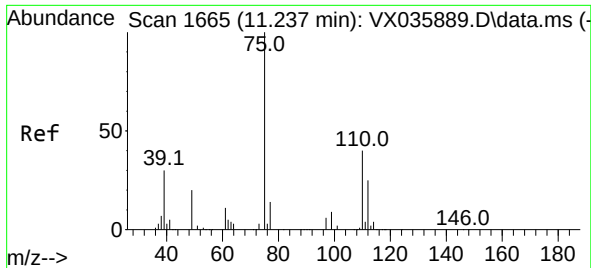
Tgt Ion:117 Resp: 308314
Ion Ratio Lower Upper
117 100
82 59.0 46.6 69.8
119 33.1 25.4 38.2



#72
1,4-Dichlorobenzene-d4
Concen: 50.000 ug/l
RT: 12.018 min Scan# 1793
Delta R.T. -0.006 min
Lab File: VX035935.D
Acq: 31 May 2023 14:48

Tgt Ion:152 Resp: 147583
Ion Ratio Lower Upper
152 100
115 64.6 45.5 136.5
150 159.6 0.0 345.2

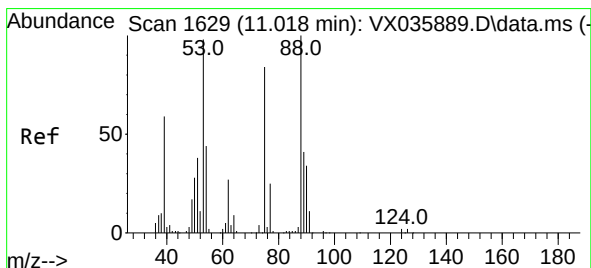
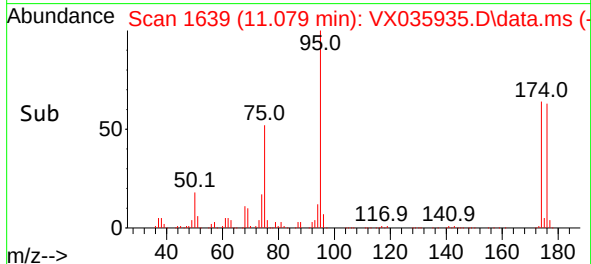
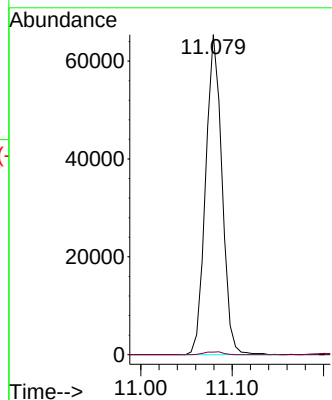
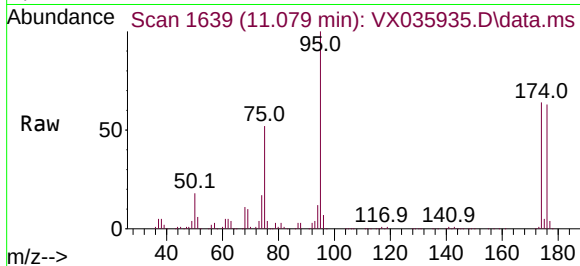




#76
1,2,3-Trichloropropane
Concen: 24.302 ug/l
RT: 11.079 min Scan# 1639
Delta R.T. -0.158 min
Lab File: VX035935.D
Acq: 31 May 2023 14:48

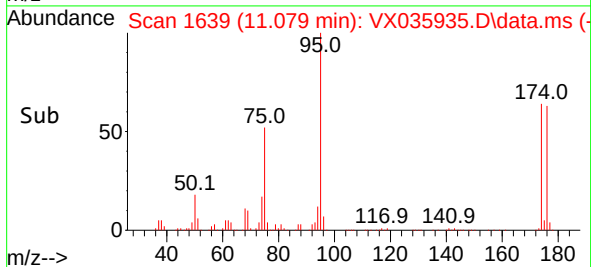
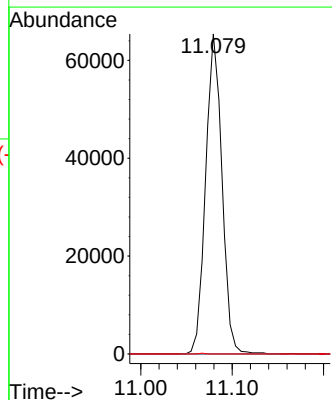
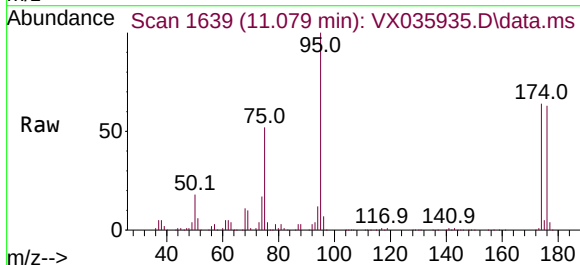
Instrument :
MSVOA_X
ClientSampleId :
VIBLK

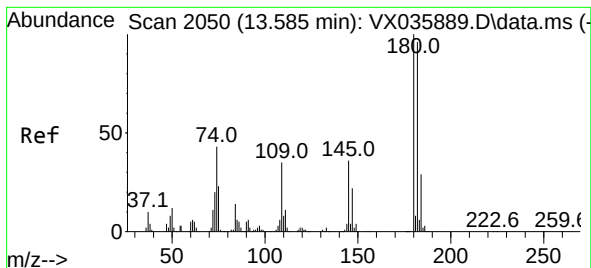
Tgt Ion: 75 Resp: 80894
Ion Ratio Lower Upper
75 100
77 1.0 21.4 64.2#



#81
trans-1,4-Dichloro-2-butene
Concen: 81.858 ug/l
RT: 11.079 min Scan# 1639
Delta R.T. 0.061 min
Lab File: VX035935.D
Acq: 31 May 2023 14:48

Tgt Ion: 75 Resp: 80894
Ion Ratio Lower Upper
75 100
53 0.0 95.2 142.8#
89 0.1 38.0 57.0#





#93

1,2,4-Trichlorobenzene

Concen: 0.282 ug/l

RT: 13.585 min Scan# 2050

Delta R.T. 0.000 min

Lab File: VX035935.D

Acq: 31 May 2023 14:48

Instrument :

MSVOA_X

ClientSampleId :

VIBLK

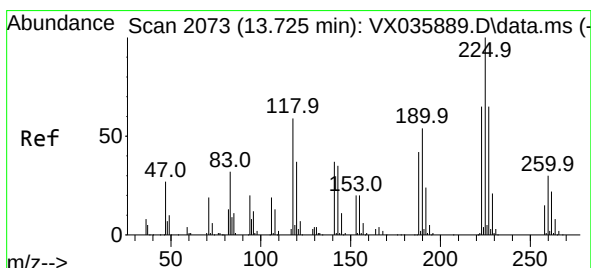
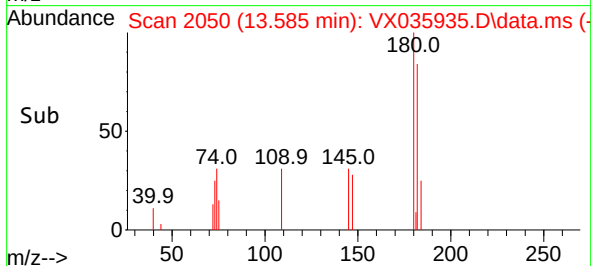
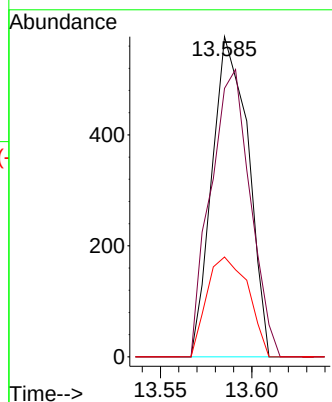
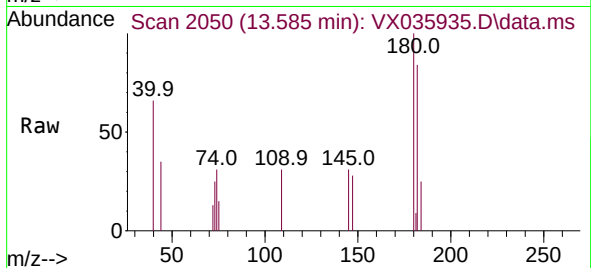
Tgt Ion:180 Resp: 793

Ion Ratio Lower Upper

180 100

182 98.1 47.3 141.8

145 35.7 17.3 51.9



#94

Hexachlorobutadiene

Concen: 0.556 ug/l

RT: 13.725 min Scan# 2073

Delta R.T. 0.000 min

Lab File: VX035935.D

Acq: 31 May 2023 14:48

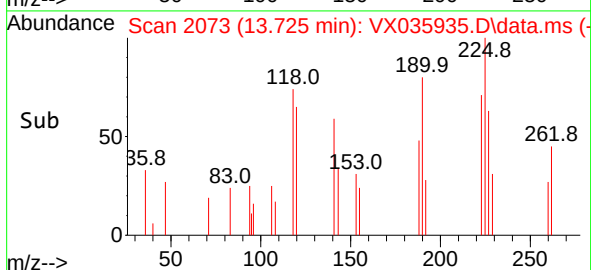
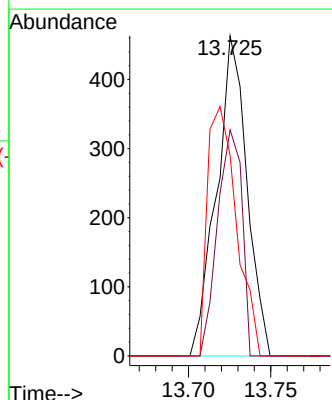
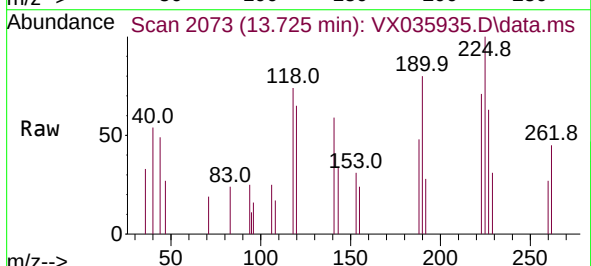
Tgt Ion:225 Resp: 595

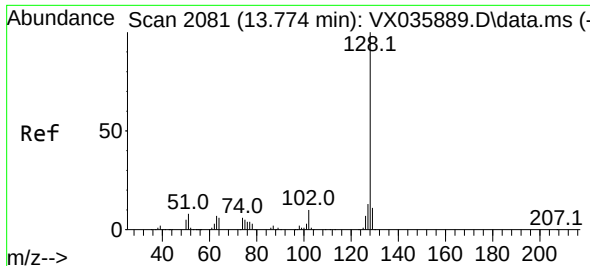
Ion Ratio Lower Upper

225 100

223 56.6 32.6 97.7

227 74.1 31.9 95.7

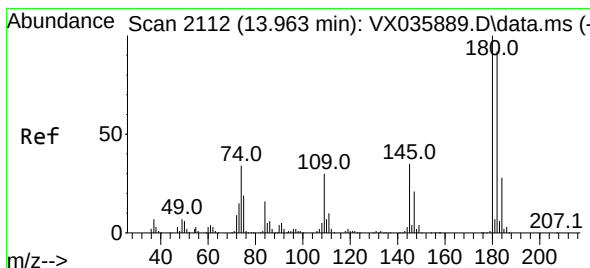
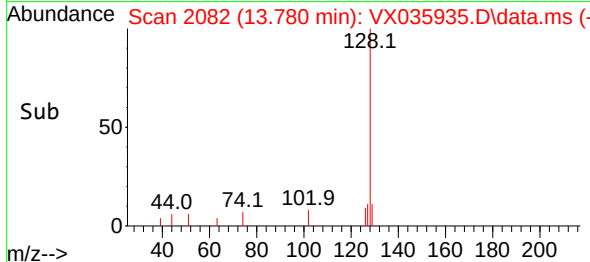
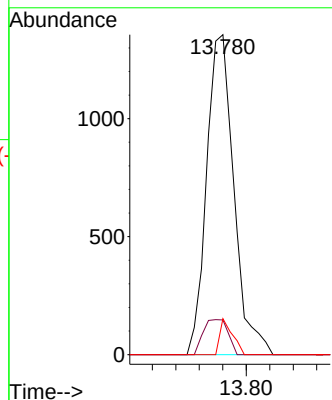
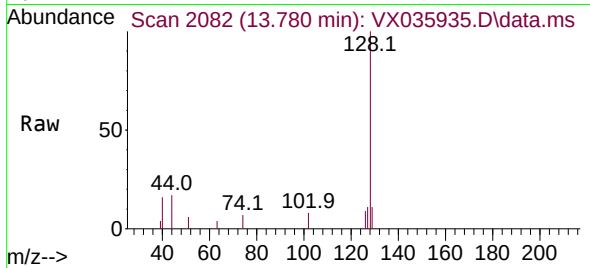




#95
Naphthalene
Concen: 0.223 ug/l
RT: 13.780 min Scan# 2081
Delta R.T. 0.006 min
Lab File: VX035935.D
Acq: 31 May 2023 14:48

Instrument :
MSVOA_X
ClientSampleId :
VIBLK

Tgt Ion:128 Resp: 2186
Ion Ratio Lower Upper
128 100
127 9.9 10.3 15.5#
129 5.2 8.7 13.1#



#96
1,2,3-Trichlorobenzene
Concen: 0.238 ug/l
RT: 13.963 min Scan# 2112
Delta R.T. -0.000 min
Lab File: VX035935.D
Acq: 31 May 2023 14:48

Tgt Ion:180 Resp: 662
Ion Ratio Lower Upper
180 100
182 93.1 46.9 140.7
145 30.1 18.1 54.3

