

Data Path : Z:\voasrv\HPCHEM1\MSVOA_N\Data\VN051723\
 Data File : VN077709.D
 Acq On : 17 May 2023 13:21
 Operator : JC\MD
 Sample : IBLK
 Misc : 5.0mL/MSVOA_N/WATER
 ALS Vial : 7 Sample Multiplier: 1

Instrument :
 MSVOA_N
 ClientSampleId :
 IBLK

Quant Time: May 18 01:38:10 2023
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA_N\methods\82N051523W.M
 Quant Title : SW846 8260
 QLast Update : Tue May 16 04:07:42 2023
 Response via : Initial Calibration

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

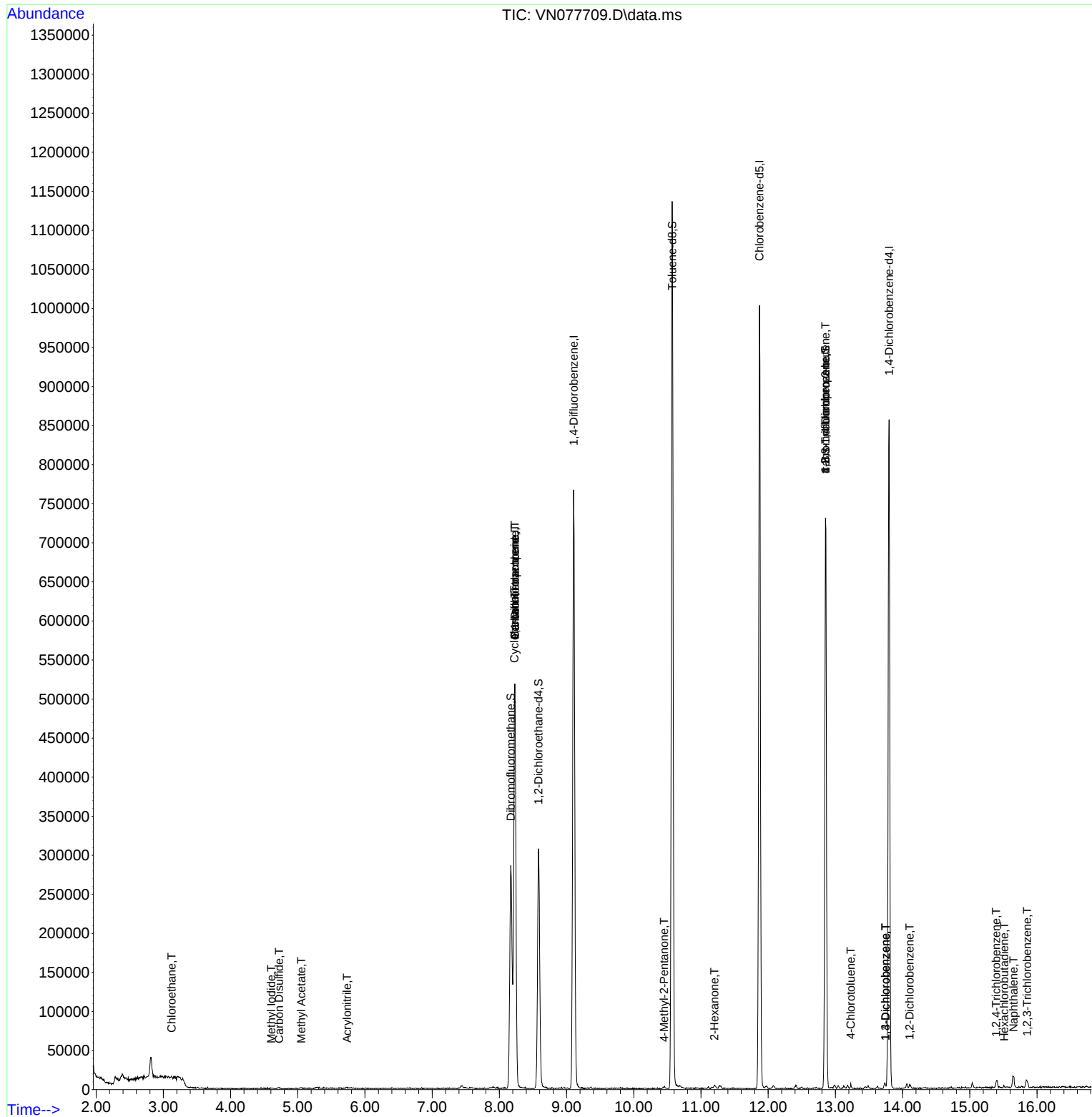
Internal Standards						
1) Pentafluorobenzene	8.230	168	364619	50.000	ug/l	0.00
34) 1,4-Difluorobenzene	9.106	114	672067	50.000	ug/l	0.00
63) Chlorobenzene-d5	11.871	117	578245	50.000	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.800	152	224966	50.000	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	8.583	65	252265	46.239	ug/l	0.00
Spiked Amount 50.000	Range 74 - 125		Recovery =	92.480%		
35) Dibromofluoromethane	8.171	113	212201	48.420	ug/l	0.00
Spiked Amount 50.000	Range 75 - 124		Recovery =	96.840%		
50) Toluene-d8	10.571	98	814538	48.288	ug/l	0.00
Spiked Amount 50.000	Range 86 - 113		Recovery =	96.580%		
62) 4-Bromofluorobenzene	12.853	95	265158	44.508	ug/l	0.00
Spiked Amount 50.000	Range 83 - 123		Recovery =	89.020%		
Target Compounds						
					Qvalue	
3) Chloromethane	2.371	50	1592	Below Cal	#	64
6) Chloroethane	3.124	64	1515	0.402	ug/l #	76
10) Methyl Iodide	4.606	142	1790	0.372	ug/l #	85
13) Acrolein	4.189	56	217	Below Cal		88
15) Acrylonitrile	5.736	53	1413	0.702	ug/l	97
17) Carbon Disulfide	4.724	76	2872	0.278	ug/l #	75
18) Methyl Acetate	5.053	43	1557	0.216	ug/l #	50
20) Methylene Chloride	5.277	84	1040	Below Cal	#	70
31) Cyclohexane	8.224	56	8983	1.211	ug/l #	32
36) 1,1-Dichloropropene	8.230	75	32758	5.110	ug/l #	48
38) Carbon Tetrachloride	8.230	117	41808	6.459	ug/l #	16
51) 4-Methyl-2-Pentanone	10.453	43	2109	0.380	ug/l #	55
59) 2-Hexanone	11.200	43	3327	0.811	ug/l	83
76) 1,2,3-Trichloropropane	12.853	75	139164	24.701	ug/l #	1
81) trans-1,4-Dichloro-2-b...	12.853	75	139164	78.957	ug/l #	15
82) 4-Chlorotoluene	13.229	91	3193	0.235	ug/l	81
87) 1,3-Dichlorobenzene	13.747	146	2436	0.298	ug/l	91
88) 1,4-Dichlorobenzene	13.747	146	2436	0.300	ug/l	93
91) 1,2-Dichlorobenzene	14.106	146	1903	0.249	ug/l	85
93) 1,2,4-Trichlorobenzene	15.394	180	3340	0.748	ug/l	91
94) Hexachlorobutadiene	15.511	225	629	0.339	ug/l	76
95) Naphthalene	15.653	128	13757	0.895	ug/l #	95
96) 1,2,3-Trichlorobenzene	15.853	180	3601	0.823	ug/l	93

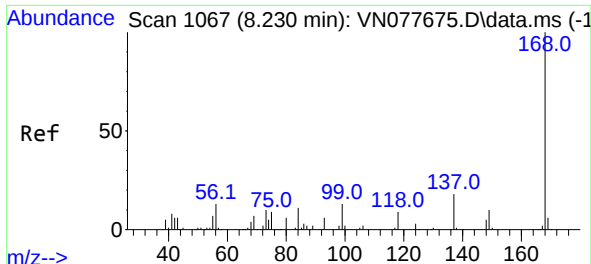
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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IBLK

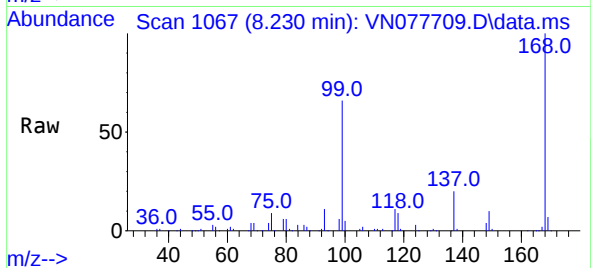
Quant Time: May 18 01:38:10 2023
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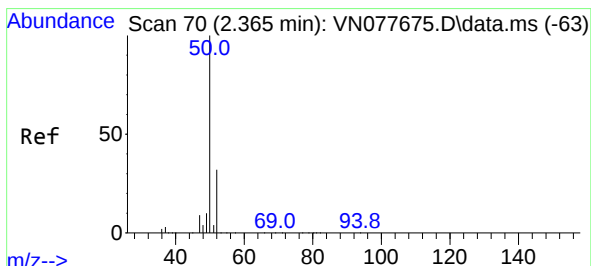
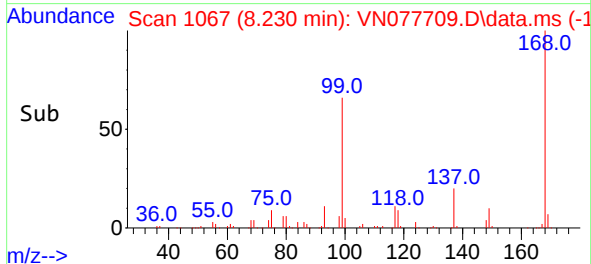
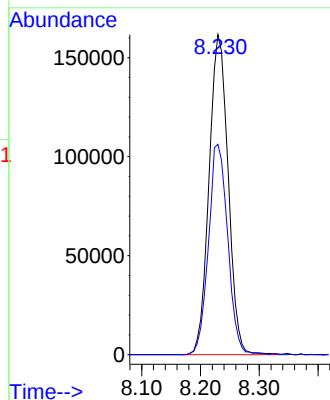


#1
Pentafluorobenzene
Concen: 50.000 ug/l
RT: 8.230 min Scan# 10
Delta R.T. -0.000 min
Lab File: VN077709.D
Acq: 17 May 2023 13:21

Instrument :
MSVOA_N
ClientSampleId :
IBLK

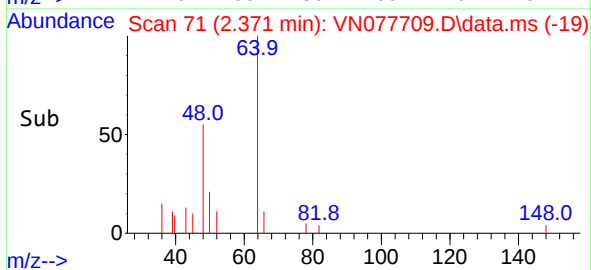
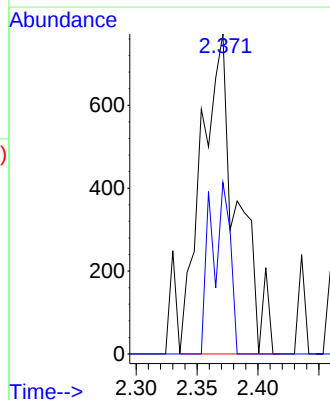
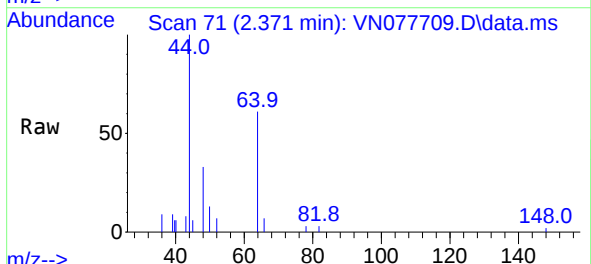


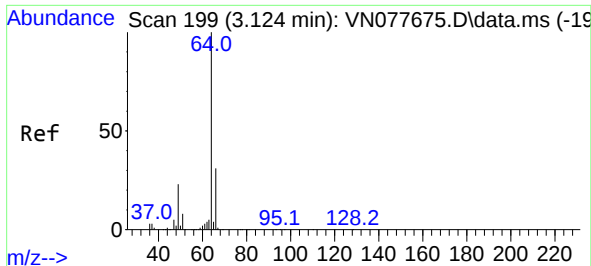
Tgt Ion:168 Resp: 364619
Ion Ratio Lower Upper
168 100
99 65.8 53.0 79.6



#3
Chloromethane
Concen: Below Cal
RT: 2.371 min Scan# 71
Delta R.T. 0.006 min
Lab File: VN077709.D
Acq: 17 May 2023 13:21

Tgt Ion: 50 Resp: 1592
Ion Ratio Lower Upper
50 100
52 53.6 26.5 39.7#

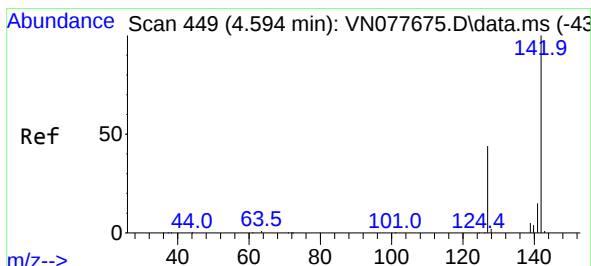
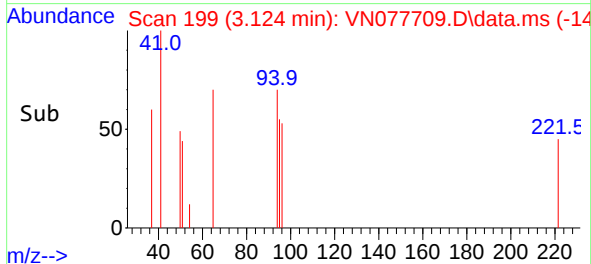
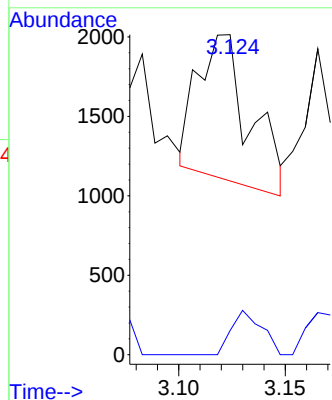
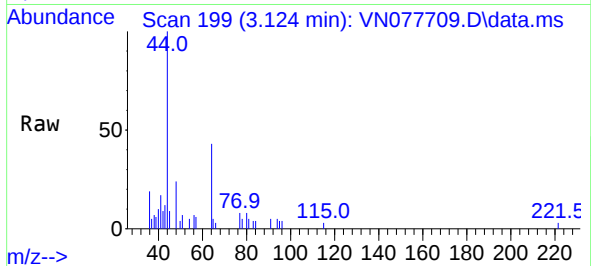




#6
Chloroethane
Concen: 0.402 ug/l
RT: 3.124 min Scan# 199
Delta R.T. 0.000 min
Lab File: VN077709.D
Acq: 17 May 2023 13:21

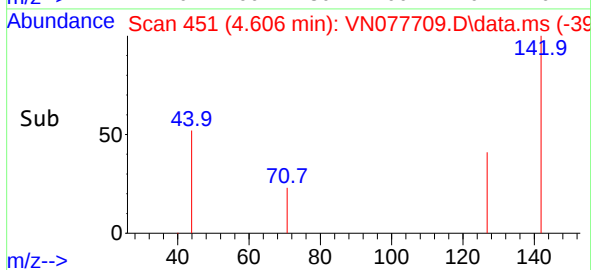
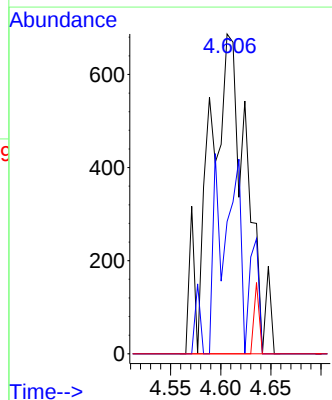
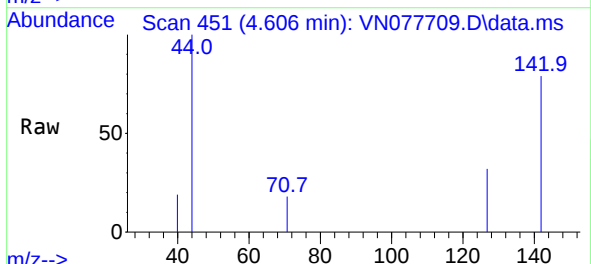
Instrument :
MSVOA_N
ClientSampleId :
IBLK

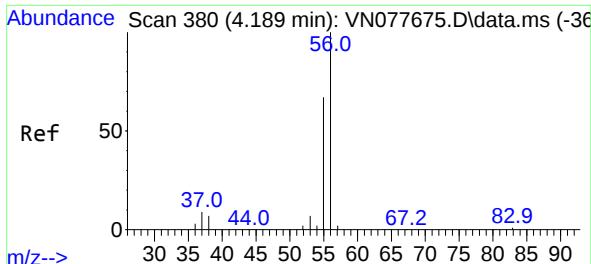
Tgt Ion: 64 Resp: 1515
Ion Ratio Lower Upper
64 100
66 18.4 25.4 38.2#



#10
Methyl Iodide
Concen: 0.372 ug/l
RT: 4.606 min Scan# 451
Delta R.T. 0.012 min
Lab File: VN077709.D
Acq: 17 May 2023 13:21

Tgt Ion: 142 Resp: 1790
Ion Ratio Lower Upper
142 100
127 41.3 37.6 56.4
141 0.0 11.4 17.0#

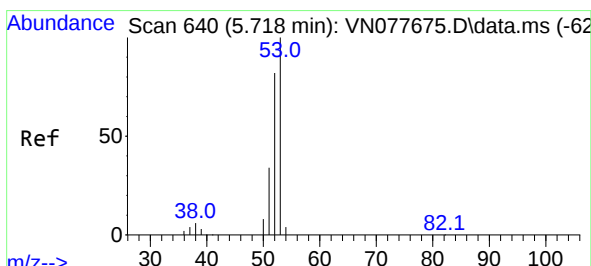
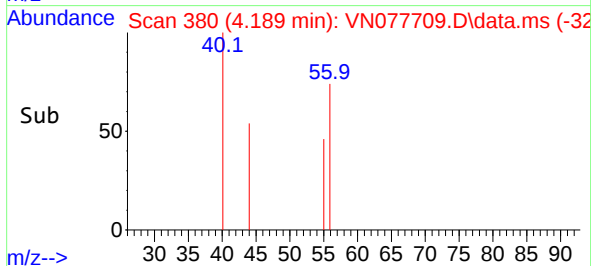
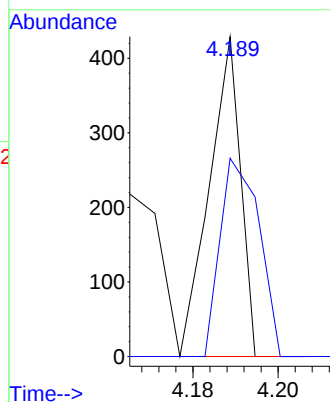
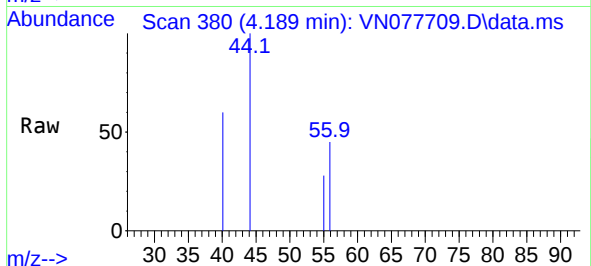




#13
Acrolein
Concen: Below Cal
RT: 4.189 min Scan# 31
Delta R.T. -0.000 min
Lab File: VN077709.D
Acq: 17 May 2023 13:21

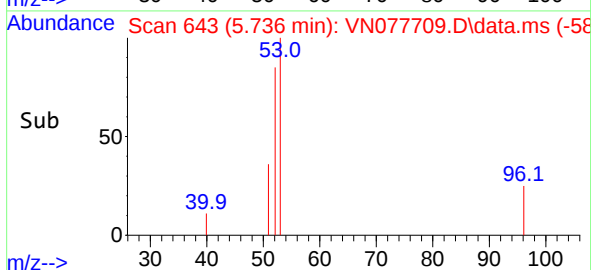
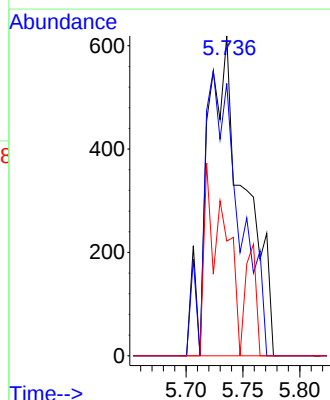
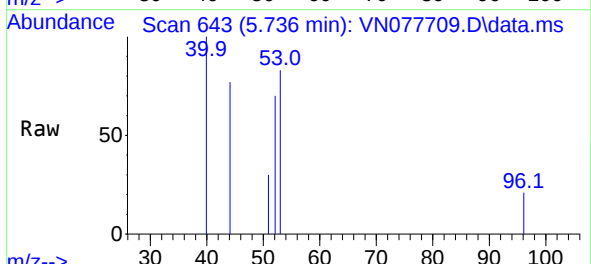
Instrument :
MSVOA_N
ClientSampleId :
IBLK

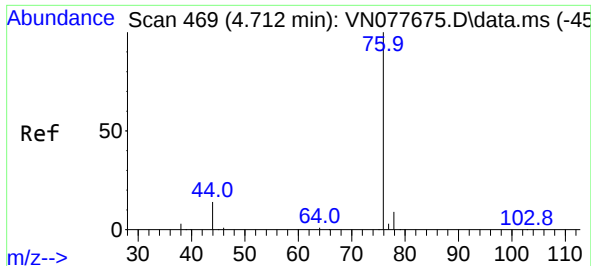
Tgt Ion: 56 Resp: 217
Ion Ratio Lower Upper
56 100
55 77.9 54.5 81.7



#15
Acrylonitrile
Concen: 0.702 ug/l
RT: 5.736 min Scan# 643
Delta R.T. 0.018 min
Lab File: VN077709.D
Acq: 17 May 2023 13:21

Tgt Ion: 53 Resp: 1413
Ion Ratio Lower Upper
53 100
52 83.2 65.3 97.9
51 32.0 28.9 43.3

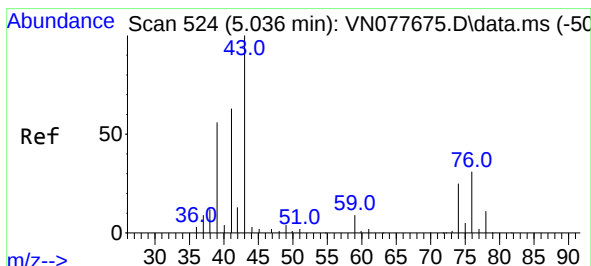
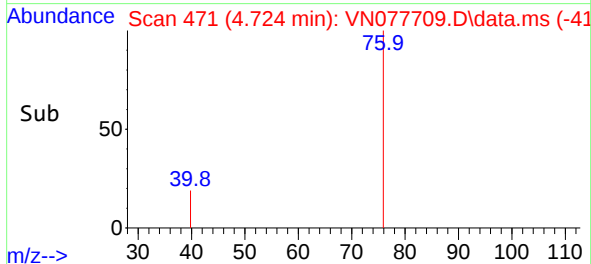
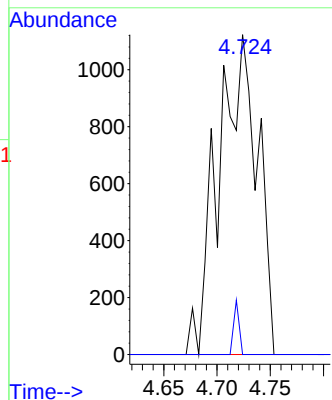
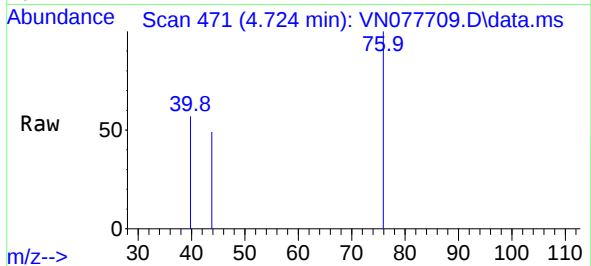




#17
Carbon Disulfide
Concen: 0.278 ug/l
RT: 4.724 min Scan# 41
Delta R.T. 0.012 min
Lab File: VN077709.D
Acq: 17 May 2023 13:21

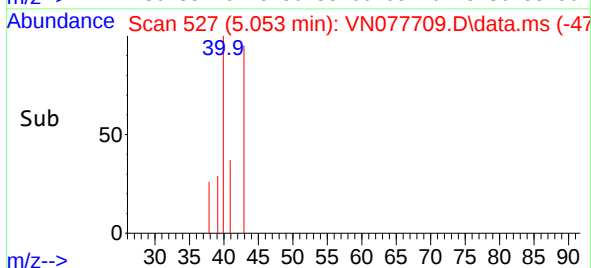
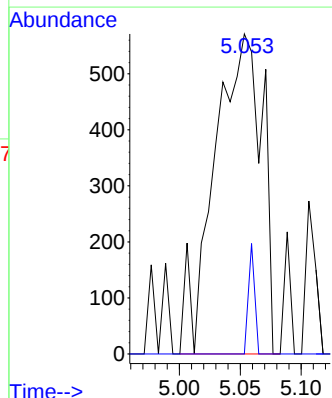
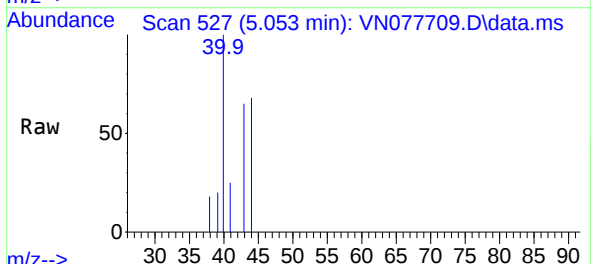
Instrument :
MSVOA_N
ClientSampleId :
IBLK

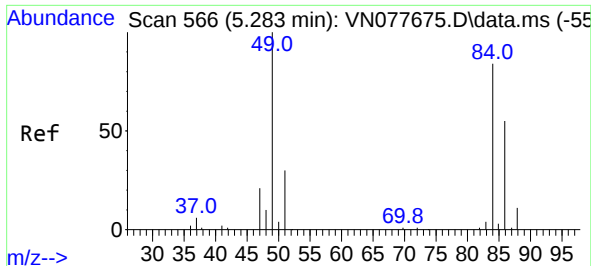
Tgt Ion: 76 Resp: 2872
Ion Ratio Lower Upper
76 100
78 0.0 7.4 11.0#



#18
Methyl Acetate
Concen: 0.216 ug/l
RT: 5.053 min Scan# 527
Delta R.T. 0.017 min
Lab File: VN077709.D
Acq: 17 May 2023 13:21

Tgt Ion: 43 Resp: 1557
Ion Ratio Lower Upper
43 100
74 4.5 26.2 39.4#





#20

Methylene Chloride

Concen: Below Cal

RT: 5.277 min Scan# 5

Delta R.T. -0.006 min

Lab File: VN077709.D

Acq: 17 May 2023 13:21

Instrument :

MSVOA_N

ClientSampleId :

IBLK

Tgt Ion: 84 Resp: 1040

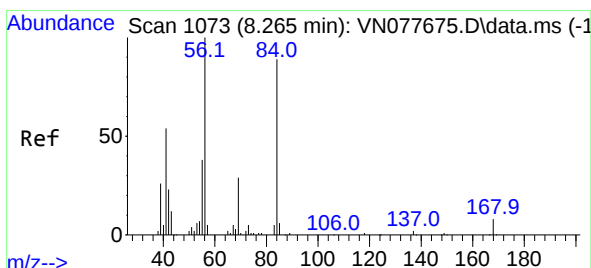
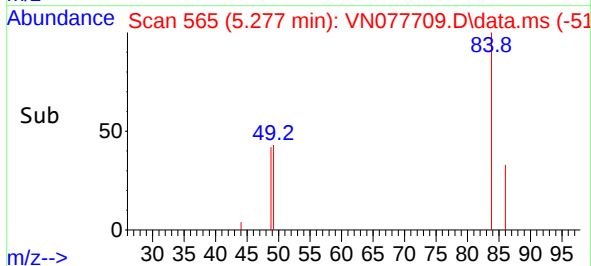
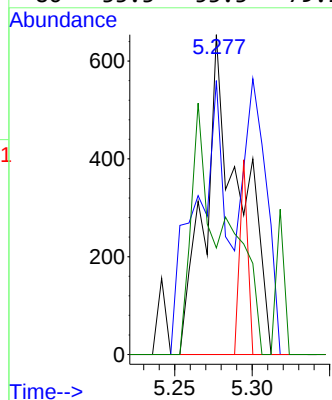
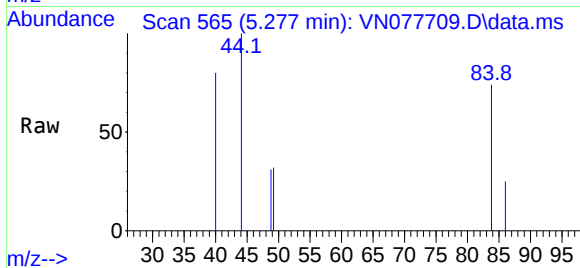
Ion Ratio Lower Upper

84 100

49 85.6 79.7 119.5

51 0.0 25.2 37.8#

86 33.3 53.3 79.9#



#31

Cyclohexane

Concen: 1.211 ug/l

RT: 8.224 min Scan# 1066

Delta R.T. -0.041 min

Lab File: VN077709.D

Acq: 17 May 2023 13:21

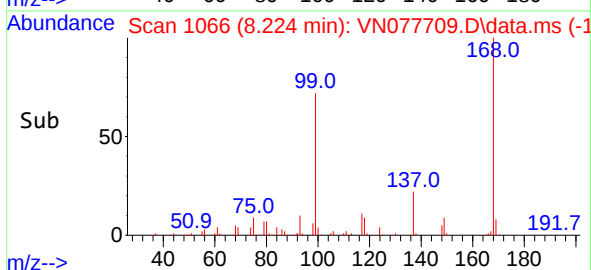
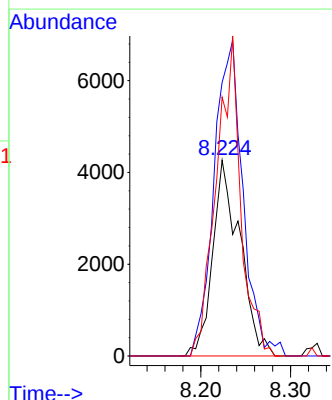
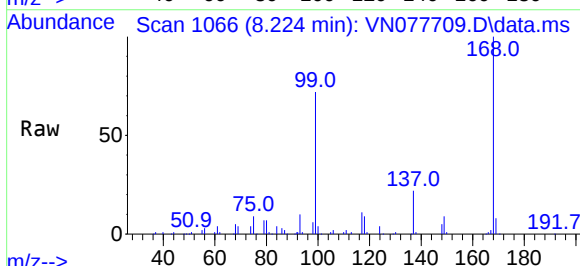
Tgt Ion: 56 Resp: 8983

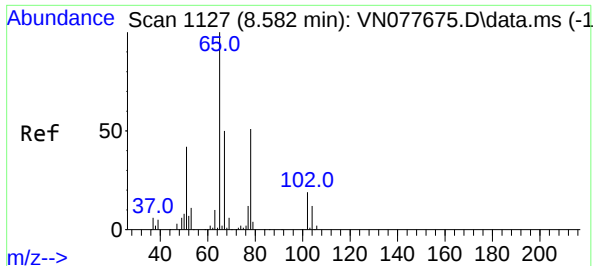
Ion Ratio Lower Upper

56 100

69 139.8 26.8 40.2#

84 132.2 81.8 122.6#

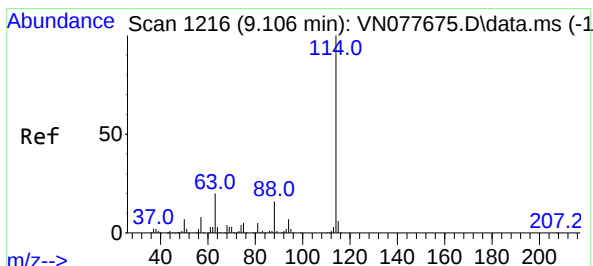
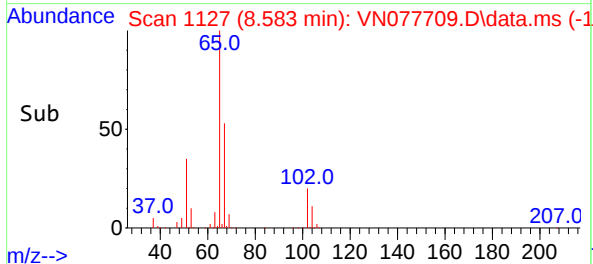
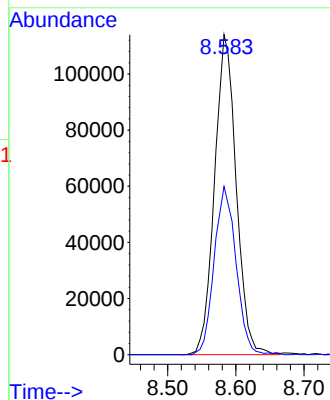
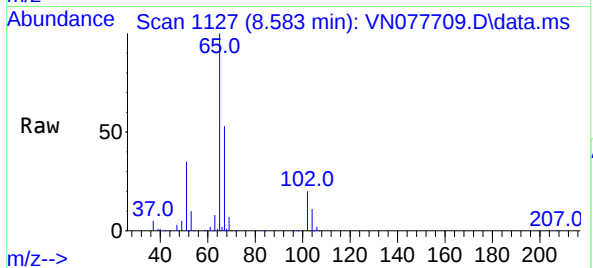




#33
1,2-Dichloroethane-d4
Concen: 46.239 ug/l
RT: 8.583 min Scan# 1127
Delta R.T. 0.001 min
Lab File: VN077709.D
Acq: 17 May 2023 13:21

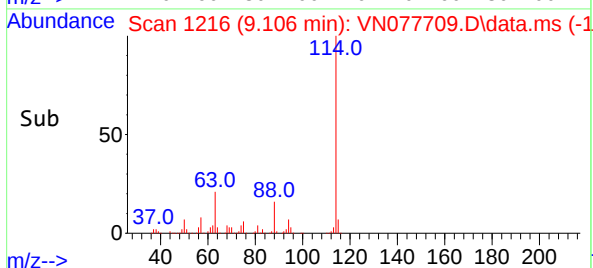
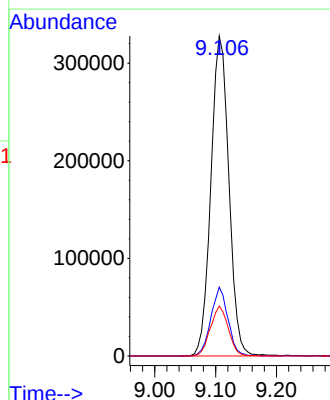
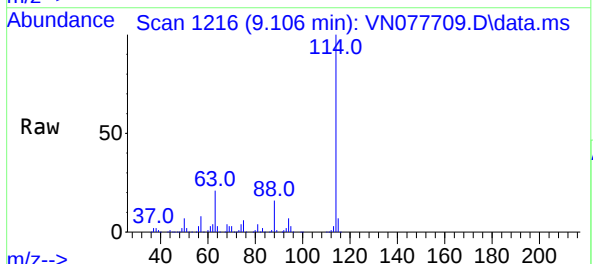
Instrument :
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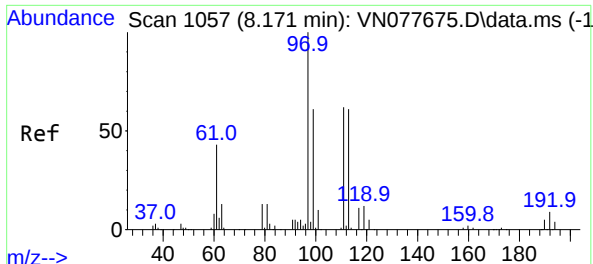
Tgt Ion: 65 Resp: 252265
Ion Ratio Lower Upper
65 100
67 52.9 0.0 106.6



#34
1,4-Difluorobenzene
Concen: 50.000 ug/l
RT: 9.106 min Scan# 1216
Delta R.T. 0.000 min
Lab File: VN077709.D
Acq: 17 May 2023 13:21

Tgt Ion: 114 Resp: 672067
Ion Ratio Lower Upper
114 100
63 21.5 0.0 36.4
88 15.6 0.0 30.6

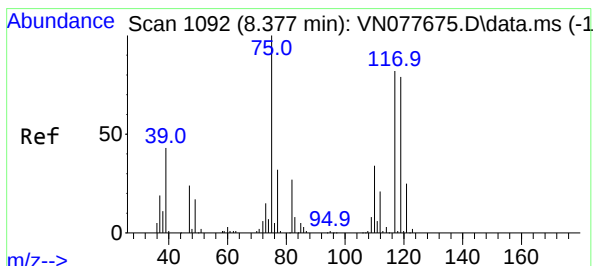
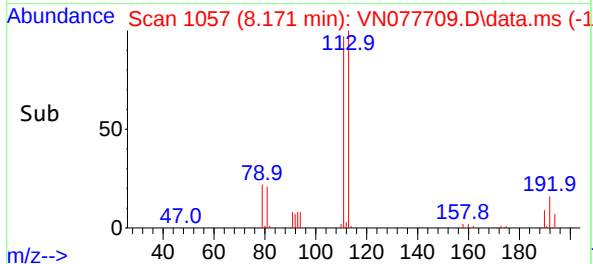
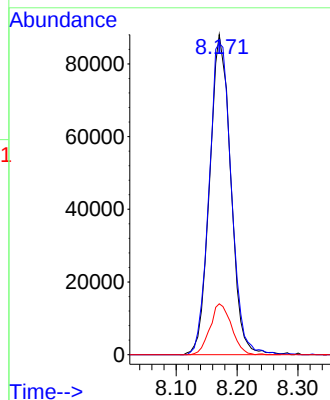
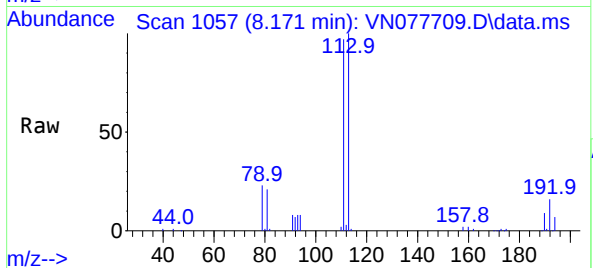




#35
Dibromofluoromethane
Concen: 48.420 ug/l
RT: 8.171 min Scan# 1057
Delta R.T. -0.000 min
Lab File: VN077709.D
Acq: 17 May 2023 13:21

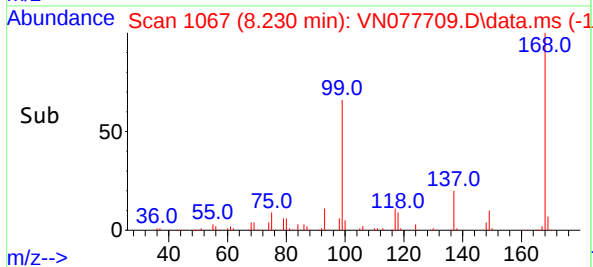
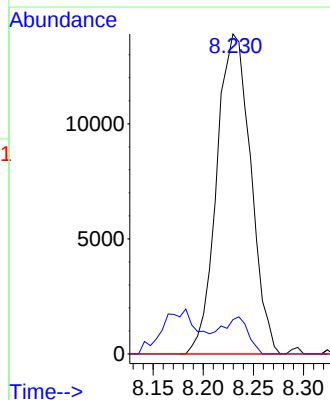
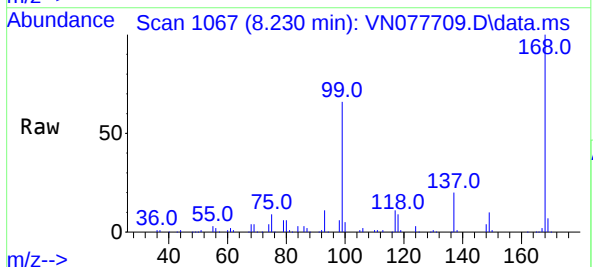
Instrument :
MSVOA_N
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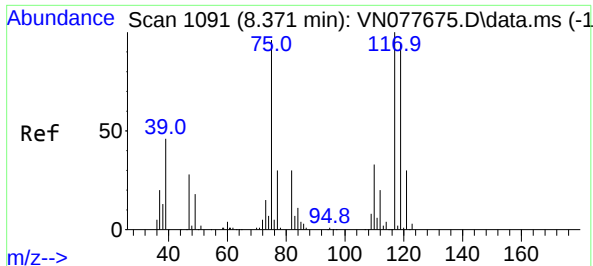
Tgt Ion: 113 Resp: 212201
Ion Ratio Lower Upper
113 100
111 102.6 82.6 123.8
192 16.1 12.7 19.1



#36
1,1-Dichloropropene
Concen: 5.110 ug/l
RT: 8.230 min Scan# 1067
Delta R.T. -0.147 min
Lab File: VN077709.D
Acq: 17 May 2023 13:21

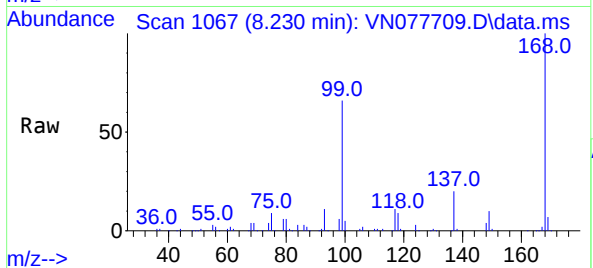
Tgt Ion: 75 Resp: 32758
Ion Ratio Lower Upper
75 100
110 9.3 19.1 57.3#
77 0.0 25.0 37.4#



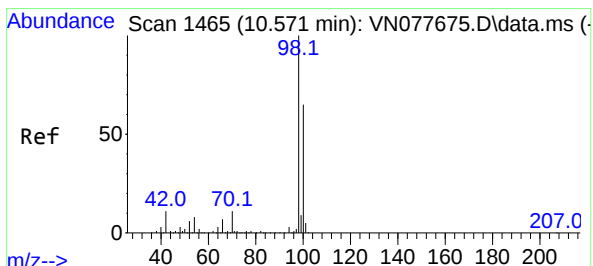
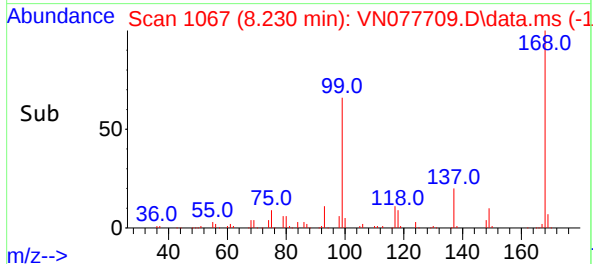
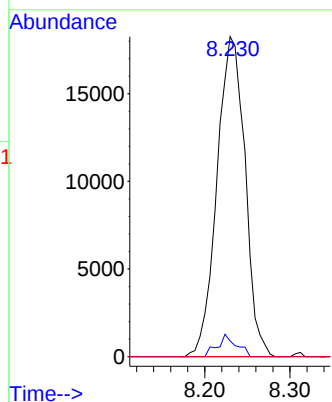


#38
Carbon Tetrachloride
Concen: 6.459 ug/l
RT: 8.230 min Scan# 1091
Delta R.T. -0.141 min
Lab File: VN077709.D
Acq: 17 May 2023 13:21

Instrument :
MSVOA_N
ClientSampleId :
IBLK

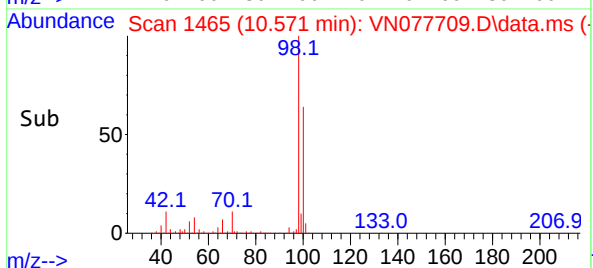
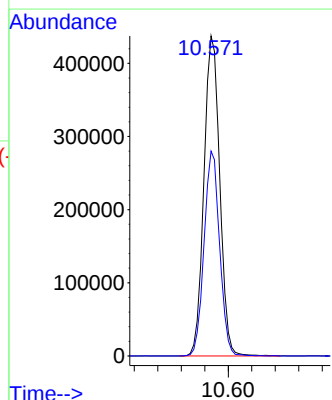
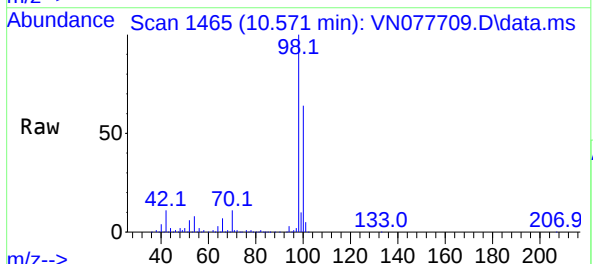


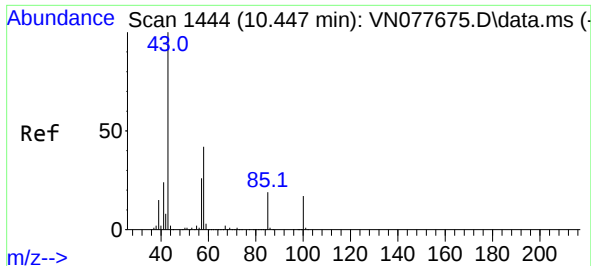
Tgt Ion:117 Resp: 41808
Ion Ratio Lower Upper
117 100
119 4.9 77.3 115.9#
121 0.0 23.3 34.9#



#50
Toluene-d8
Concen: 48.288 ug/l
RT: 10.571 min Scan# 1465
Delta R.T. -0.000 min
Lab File: VN077709.D
Acq: 17 May 2023 13:21

Tgt Ion: 98 Resp: 814538
Ion Ratio Lower Upper
98 100
100 62.8 52.0 78.0

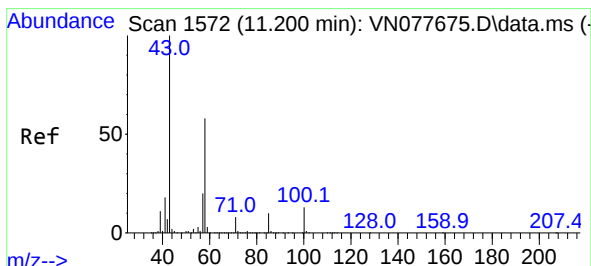
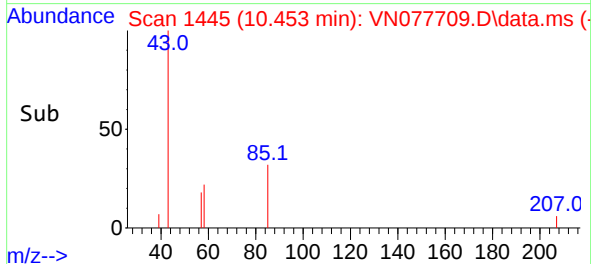
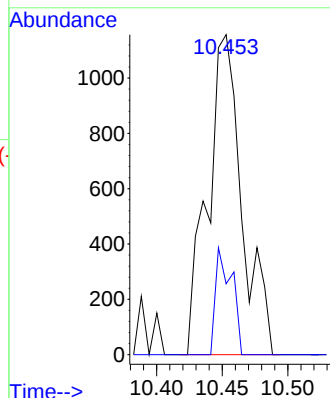
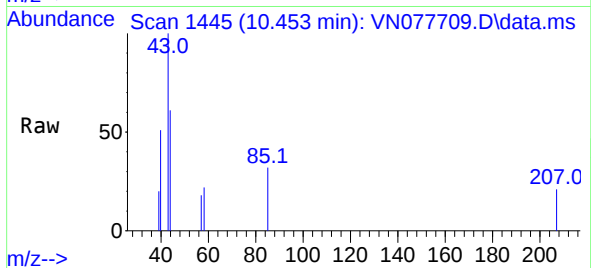




#51
4-Methyl-2-Pentanone
Concen: 0.380 ug/l
RT: 10.453 min Scan# 1445
Delta R.T. 0.006 min
Lab File: VN077709.D
Acq: 17 May 2023 13:21

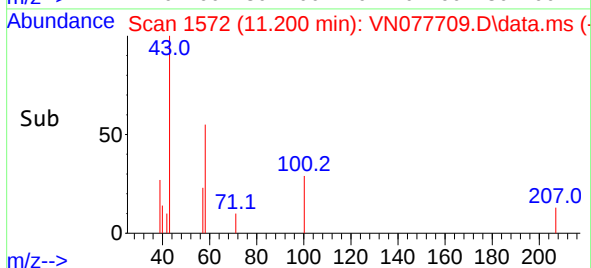
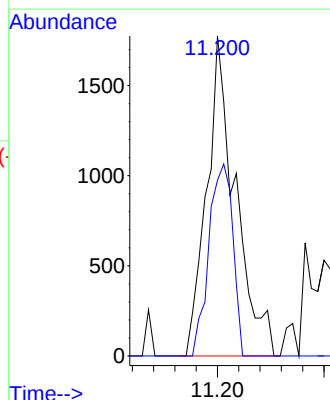
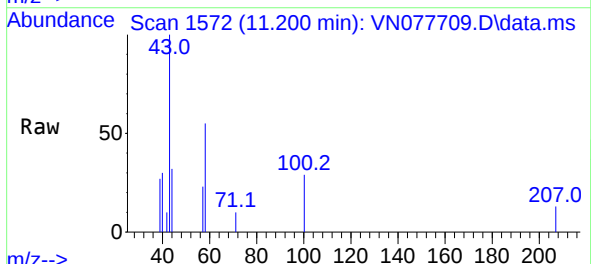
Instrument :
MSVOA_N
ClientSampleId :
IBLK

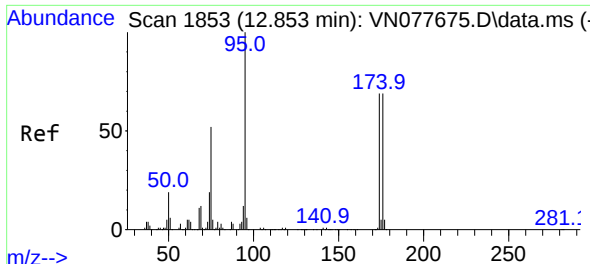
Tgt Ion: 43 Resp: 2109
Ion Ratio Lower Upper
43 100
58 15.7 36.6 54.8#



#59
2-Hexanone
Concen: 0.811 ug/l
RT: 11.200 min Scan# 1572
Delta R.T. 0.000 min
Lab File: VN077709.D
Acq: 17 May 2023 13:21

Tgt Ion: 43 Resp: 3327
Ion Ratio Lower Upper
43 100
58 49.8 31.7 95.1

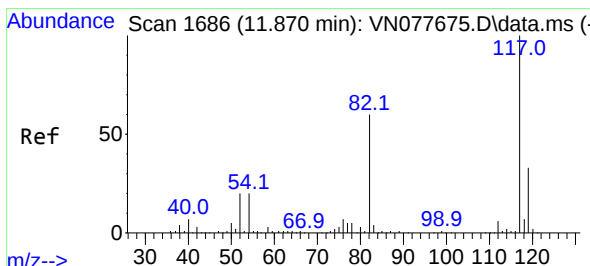
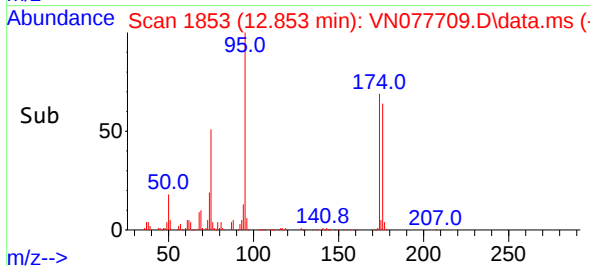
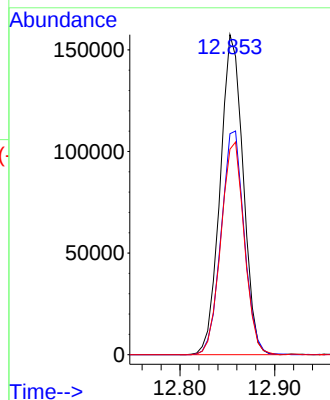
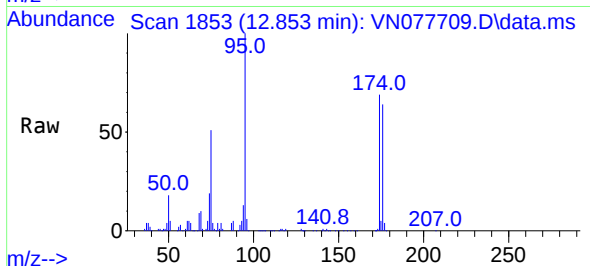




#62
4-Bromofluorobenzene
Concen: 44.508 ug/l
RT: 12.853 min Scan# 1853
Delta R.T. -0.000 min
Lab File: VN077709.D
Acq: 17 May 2023 13:21

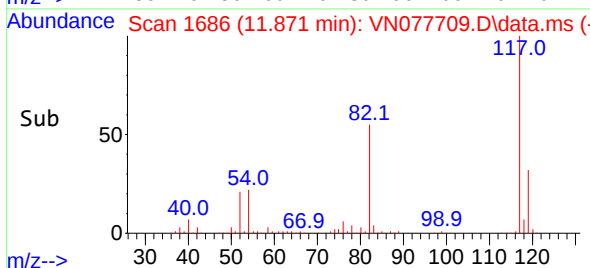
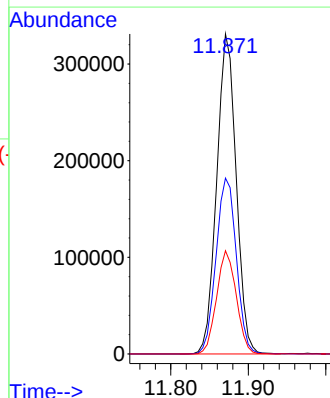
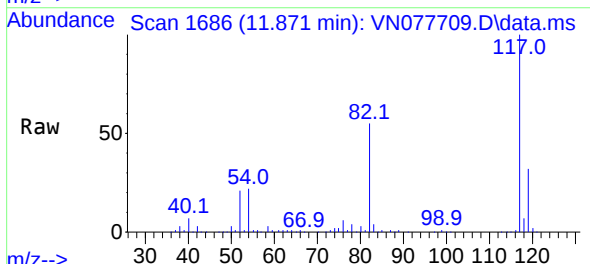
Instrument :
MSVOA_N
ClientSampleId :
IBLK

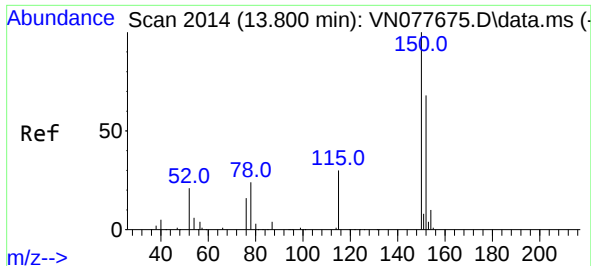
Tgt Ion: 95 Resp: 265158
Ion Ratio Lower Upper
95 100
174 70.3 0.0 143.8
176 67.4 0.0 135.8



#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 11.871 min Scan# 1686
Delta R.T. 0.001 min
Lab File: VN077709.D
Acq: 17 May 2023 13:21

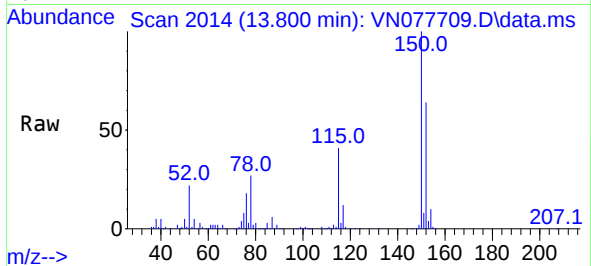
Tgt Ion: 117 Resp: 578245
Ion Ratio Lower Upper
117 100
82 55.0 44.0 66.0
119 32.3 25.6 38.4



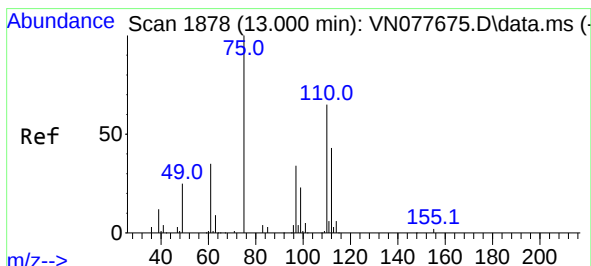
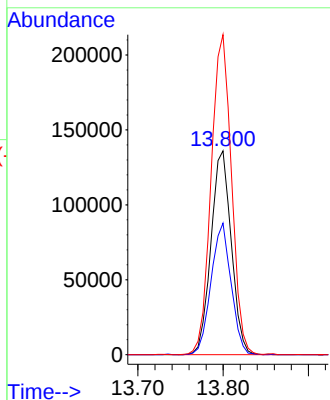
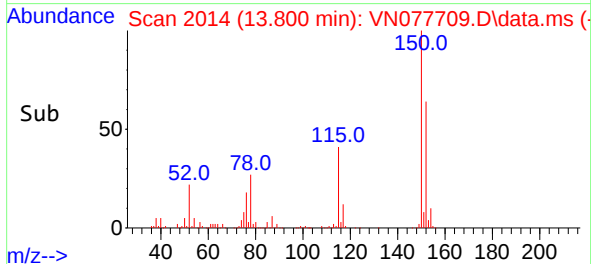


#72
1,4-Dichlorobenzene-d4
Concen: 50.000 ug/l
RT: 13.800 min Scan# 2014
Delta R.T. -0.000 min
Lab File: VN077709.D
Acq: 17 May 2023 13:21

Instrument :
MSVOA_N
ClientSampleId :
IBLK

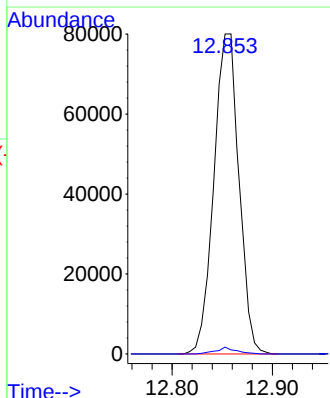
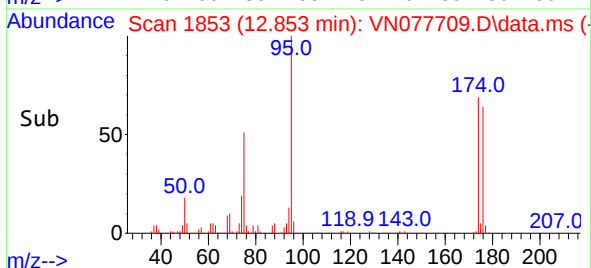
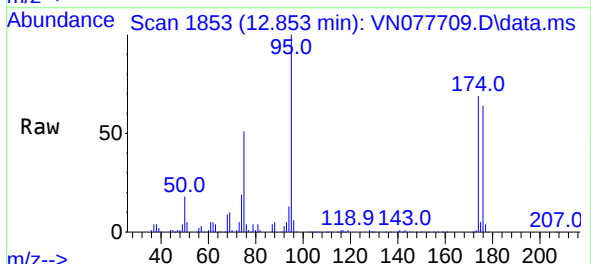


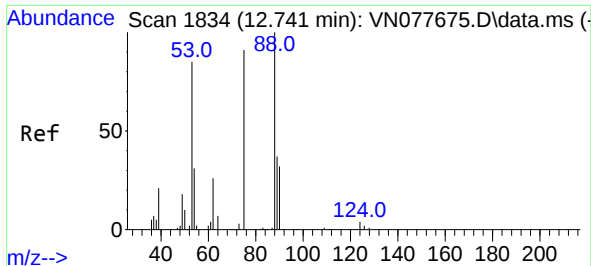
Tgt Ion:152 Resp: 224966
Ion Ratio Lower Upper
152 100
115 63.6 32.3 96.8
150 157.3 0.0 355.8



#76
1,2,3-Trichloropropane
Concen: 24.701 ug/l
RT: 12.853 min Scan# 1853
Delta R.T. -0.147 min
Lab File: VN077709.D
Acq: 17 May 2023 13:21

Tgt Ion: 75 Resp: 139164
Ion Ratio Lower Upper
75 100
77 1.7 84.5 253.5#

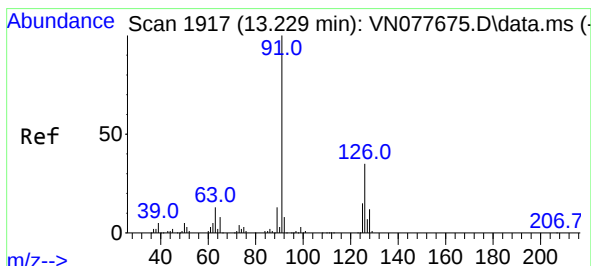
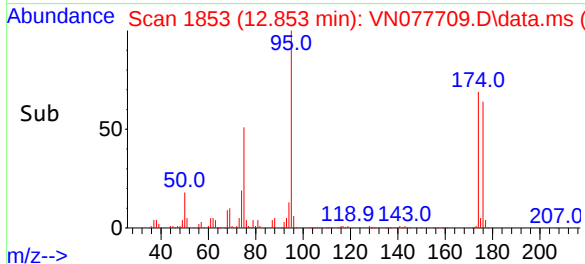
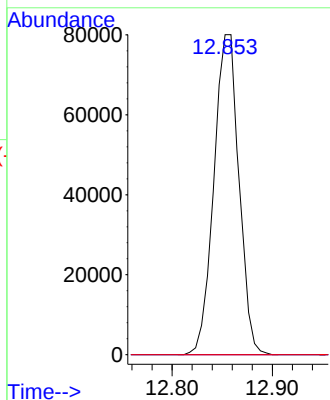
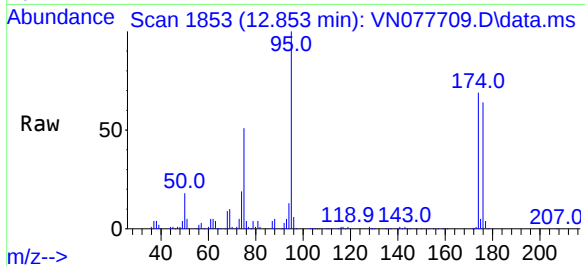




#81
trans-1,4-Dichloro-2-butene
Concen: 78.957 ug/l
RT: 12.853 min Scan# 1853
Delta R.T. 0.112 min
Lab File: VN077709.D
Acq: 17 May 2023 13:21

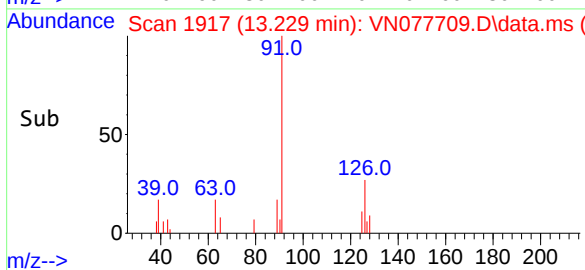
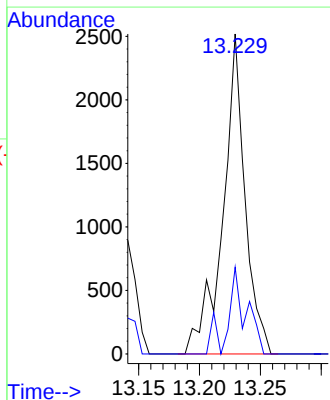
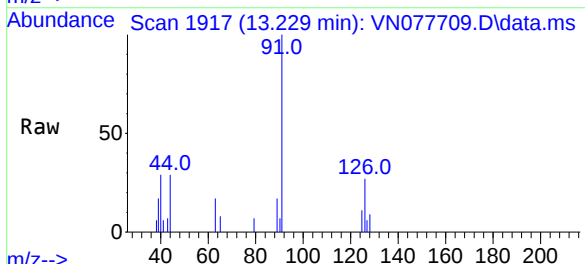
Instrument :
MSVOA_N
ClientSampleId :
IBLK

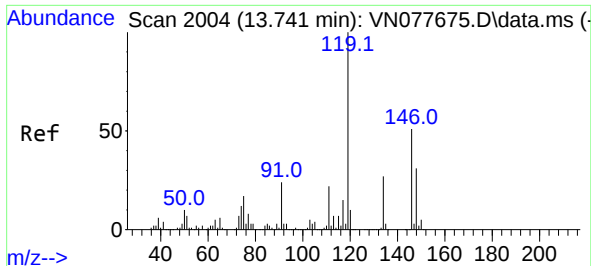
Tgt Ion: 75 Resp: 139164
Ion Ratio Lower Upper
75 100
53 0.0 67.4 101.2#
89 0.0 38.8 58.2#



#82
4-Chlorotoluene
Concen: 0.235 ug/l
RT: 13.229 min Scan# 1917
Delta R.T. 0.000 min
Lab File: VN077709.D
Acq: 17 May 2023 13:21

Tgt Ion: 91 Resp: 3193
Ion Ratio Lower Upper
91 100
126 22.6 16.7 50.0





#87

1,3-Dichlorobenzene

Concen: 0.298 ug/l

RT: 13.747 min Scan# 2005

Delta R.T. 0.006 min

Lab File: VN077709.D

Acq: 17 May 2023 13:21

Instrument :

MSVOA_N

ClientSampleId :

IBLK

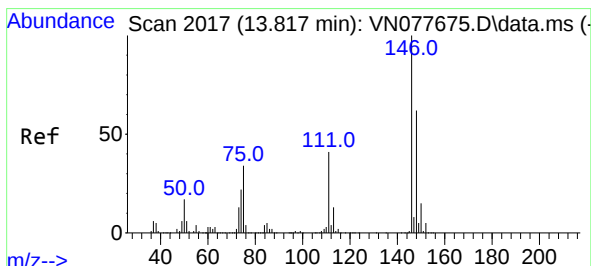
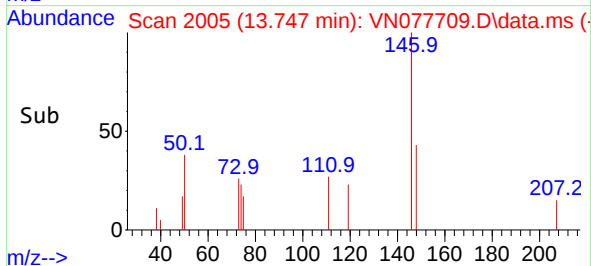
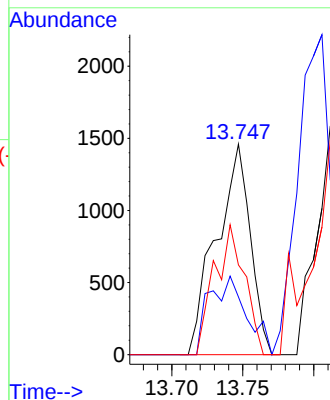
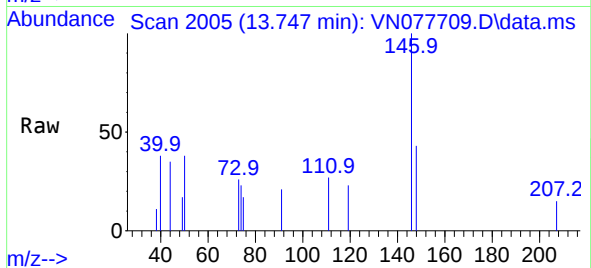
Tgt Ion:146 Resp: 2436

Ion Ratio Lower Upper

146 100

111 40.8 22.1 66.3

148 54.5 32.0 96.0



#88

1,4-Dichlorobenzene

Concen: 0.300 ug/l

RT: 13.747 min Scan# 2005

Delta R.T. -0.070 min

Lab File: VN077709.D

Acq: 17 May 2023 13:21

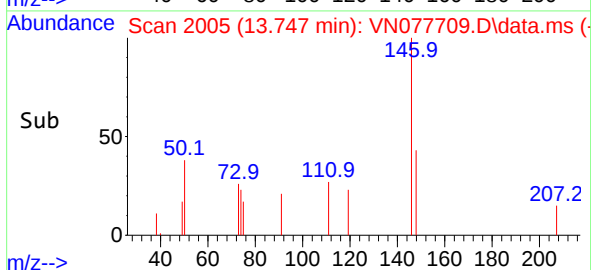
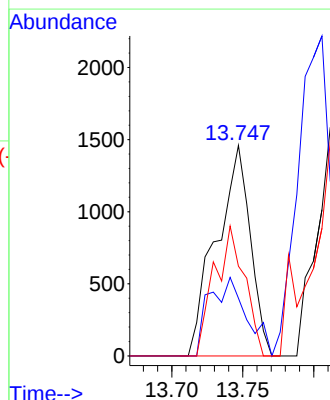
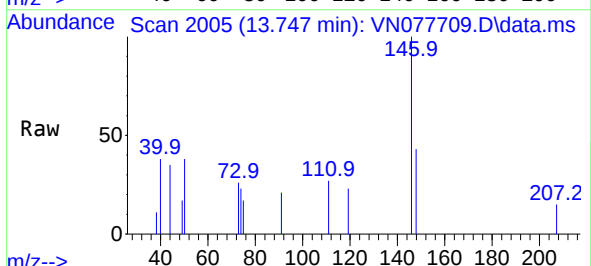
Tgt Ion:146 Resp: 2436

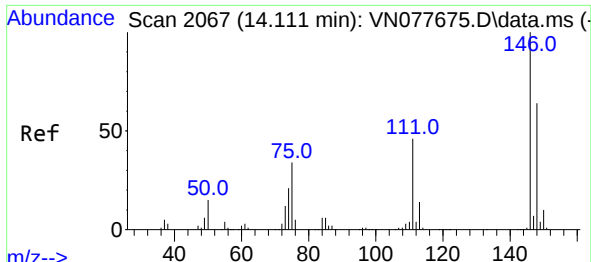
Ion Ratio Lower Upper

146 100

111 40.8 20.6 61.8

148 54.5 31.6 94.8





#91

1,2-Dichlorobenzene

Concen: 0.249 ug/l

RT: 14.106 min Scan# 2066

Delta R.T. -0.005 min

Lab File: VN077709.D

Acq: 17 May 2023 13:21

Instrument :

MSVOA_N

ClientSampleId :

IBLK

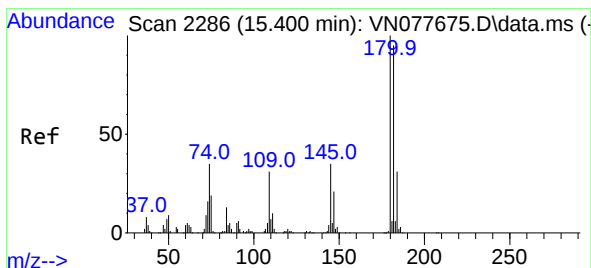
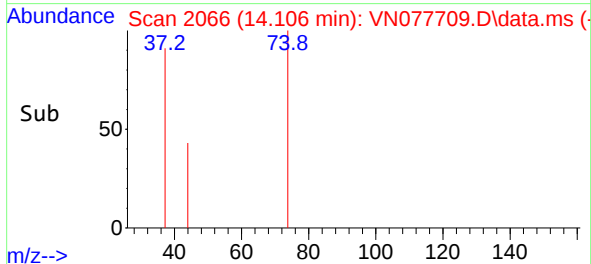
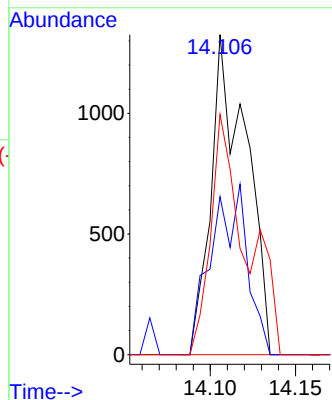
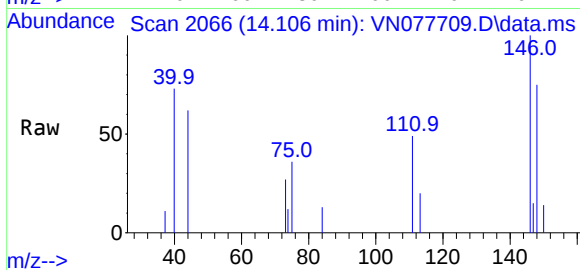
Tgt Ion:146 Resp: 1903

Ion Ratio Lower Upper

146 100

111 53.9 22.0 66.0

148 75.5 31.8 95.3



#93

1,2,4-Trichlorobenzene

Concen: 0.748 ug/l

RT: 15.394 min Scan# 2285

Delta R.T. -0.006 min

Lab File: VN077709.D

Acq: 17 May 2023 13:21

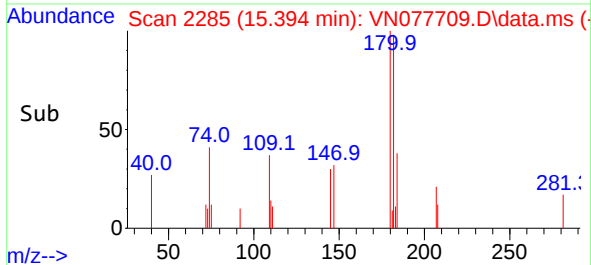
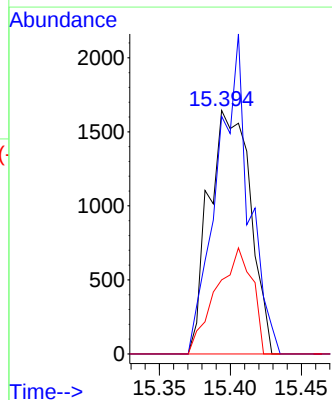
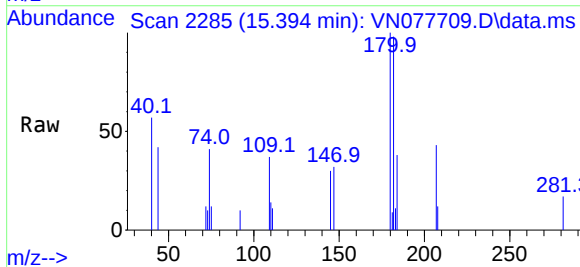
Tgt Ion:180 Resp: 3340

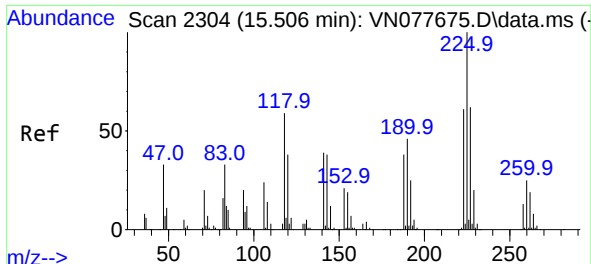
Ion Ratio Lower Upper

180 100

182 100.8 46.1 138.2

145 37.8 16.6 49.8

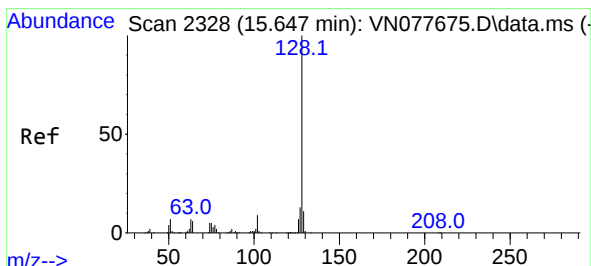
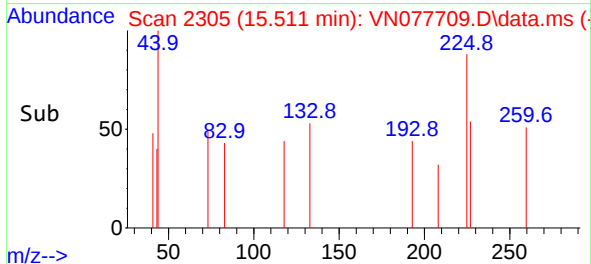
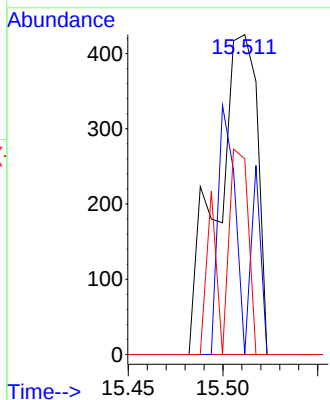
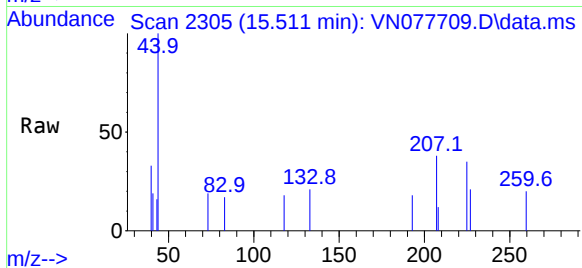




#94
Hexachlorobutadiene
Concen: 0.339 ug/l
RT: 15.511 min Scan# 21
Delta R.T. 0.005 min
Lab File: VN077709.D
Acq: 17 May 2023 13:21

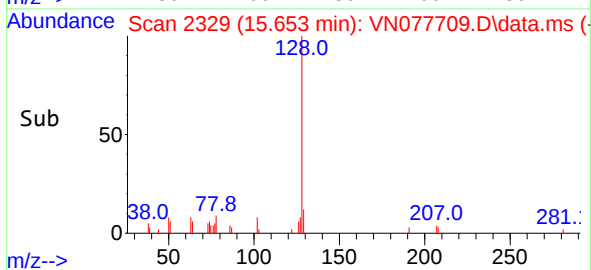
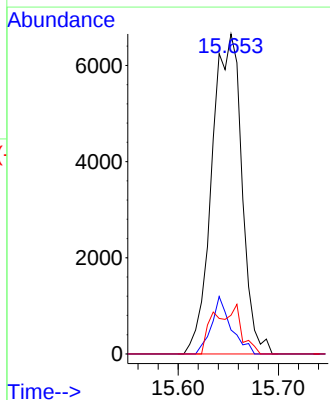
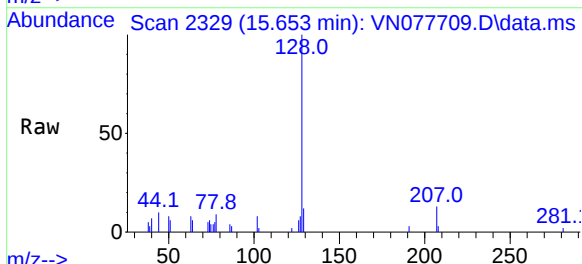
Instrument :
MSVOA_N
ClientSampleId :
IBLK

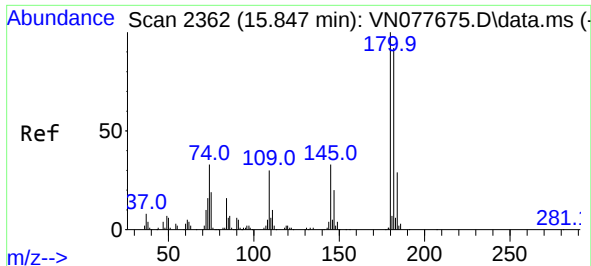
Tgt Ion:	225	Resp:	629
Ion	Ratio	Lower	Upper
225	100		
223	46.4	31.3	93.8
227	42.1	31.9	95.9



#95
Naphthalene
Concen: 0.895 ug/l
RT: 15.653 min Scan# 2329
Delta R.T. 0.006 min
Lab File: VN077709.D
Acq: 17 May 2023 13:21

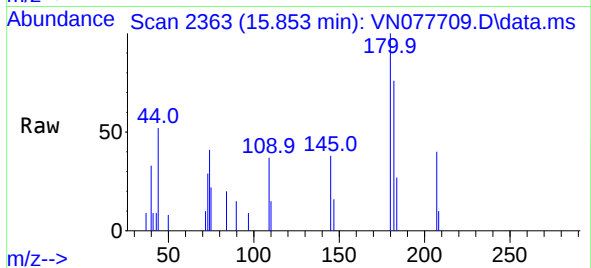
Tgt Ion:	128	Resp:	13757
Ion	Ratio	Lower	Upper
128	100		
127	11.8	10.0	15.0
129	7.5	8.7	13.1





#96
 1,2,3-Trichlorobenzene
 Concen: 0.823 ug/l
 RT: 15.853 min Scan# 21
 Delta R.T. 0.006 min
 Lab File: VN077709.D
 Acq: 17 May 2023 13:21

Instrument :
 MSVOA_N
 ClientSampleId :
 IBLK



Tgt Ion:	180	Resp:	3601
Ion	Ratio	Lower	Upper
180	100		
182	97.9	46.2	138.6
145	41.2	17.5	52.6

