

Data Path : Z:\voasrv\HPCHEM1\MSVOA_N\Data\VN051523\
 Data File : VN077680.D
 Acq On : 15 May 2023 20:46
 Operator : JC\MD
 Sample : VIBLK
 Misc : 5.0mL/MSVOA_N/WATER
 ALS Vial : 18 Sample Multiplier: 1

Instrument :
 MSVOA_N
 ClientSampleId :
 VIBLK

Quant Time: May 16 02:50:31 2023
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA_N\methods\82N051523W.M
 Quant Title : SW846 8260
 QLast Update : Tue May 16 02:47:47 2023
 Response via : Initial Calibration

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

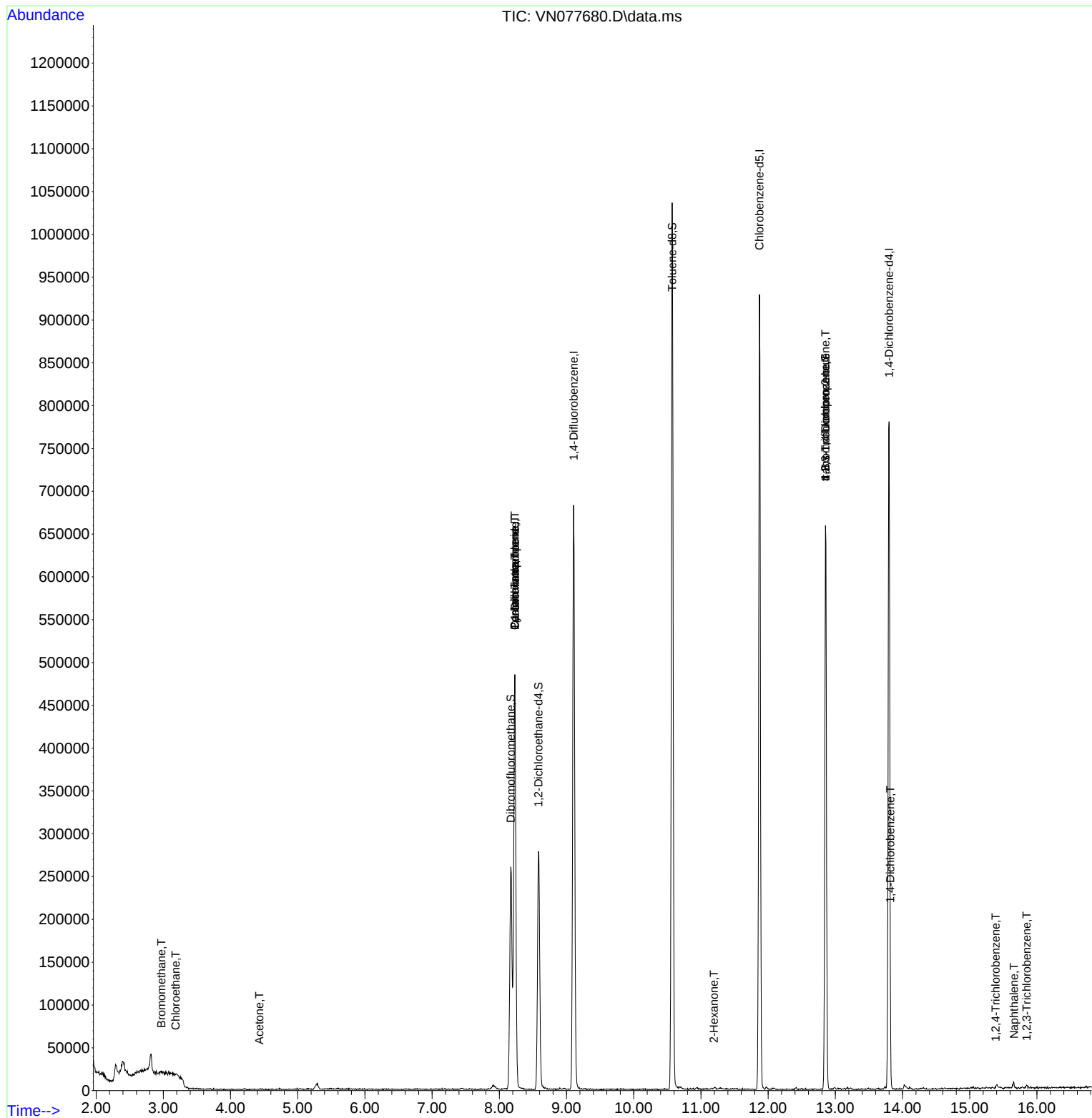
Internal Standards						
1) Pentafluorobenzene	8.230	168	321845	50.000	ug/l	0.00
34) 1,4-Difluorobenzene	9.106	114	591222	50.000	ug/l	0.00
63) Chlorobenzene-d5	11.871	117	523640	50.000	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.800	152	204509	50.000	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	8.583	65	239308	49.694	ug/l	0.00
Spiked Amount	50.000	Range 74 - 125	Recovery	=	99.380%	
35) Dibromofluoromethane	8.171	113	189486	49.150	ug/l	0.00
Spiked Amount	50.000	Range 75 - 124	Recovery	=	98.300%	
50) Toluene-d8	10.571	98	733163	49.407	ug/l	0.00
Spiked Amount	50.000	Range 86 - 113	Recovery	=	98.820%	
62) 4-Bromofluorobenzene	12.853	95	237836	45.380	ug/l	0.00
Spiked Amount	50.000	Range 83 - 123	Recovery	=	90.760%	
Target Compounds						
					Qvalue	
3) Chloromethane	2.371	50	1960	Below Cal	#	42
5) Bromomethane	2.971	94	1636	0.479	ug/l	99
6) Chloroethane	3.183	64	1299	0.389	ug/l #	45
13) Acrolein	4.195	56	433	Below Cal		91
16) Acetone	4.430	43	442	0.290	ug/l #	46
20) Methylene Chloride	5.277	84	4569	Below Cal	#	78
31) Cyclohexane	8.230	56	8621	1.317	ug/l #	54
36) 1,1-Dichloropropene	8.230	75	31063	5.509	ug/l #	49
38) Carbon Tetrachloride	8.230	117	37504	6.586	ug/l #	14
59) 2-Hexanone	11.194	43	1201	0.333	ug/l	85
76) 1,2,3-Trichloropropane	12.853	75	129923	26.307	ug/l #	1
81) trans-1,4-Dichloro-2-b...	12.853	75	129923	81.088	ug/l #	15
88) 1,4-Dichlorobenzene	13.818	146	1806	0.245	ug/l #	1
93) 1,2,4-Trichlorobenzene	15.388	180	1173	0.289	ug/l	95
95) Naphthalene	15.659	128	5071	0.363	ug/l #	92
96) 1,2,3-Trichlorobenzene	15.847	180	940	0.236	ug/l #	58

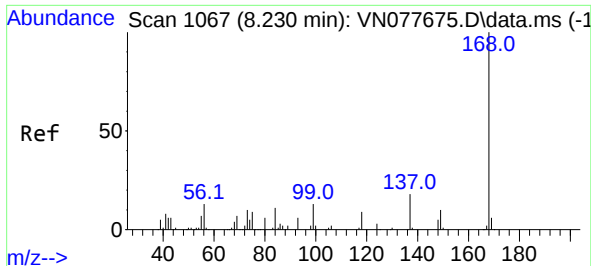
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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Quant Time: May 16 02:50:31 2023
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_N\methods\82N051523W.M
Quant Title : SW846 8260
QLast Update : Tue May 16 02:47:47 2023
Response via : Initial Calibration

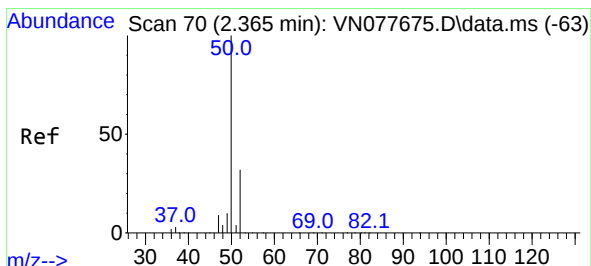
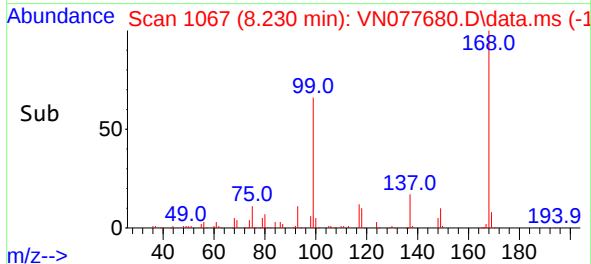
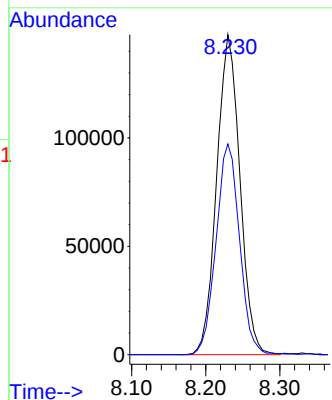
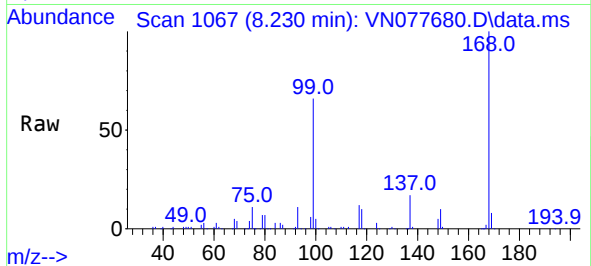




#1
Pentafluorobenzene
Concen: 50.000 ug/l
RT: 8.230 min Scan# 10
Delta R.T. -0.000 min
Lab File: VN077680.D
Acq: 15 May 2023 20:46

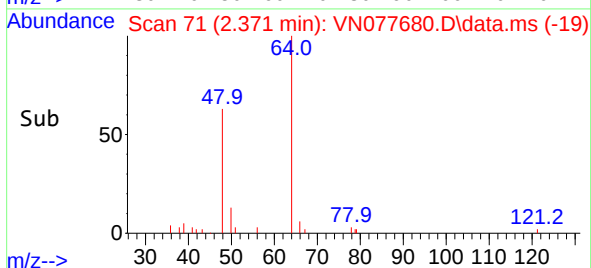
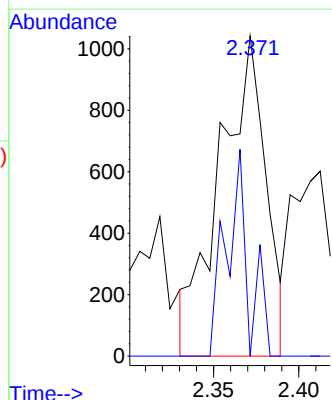
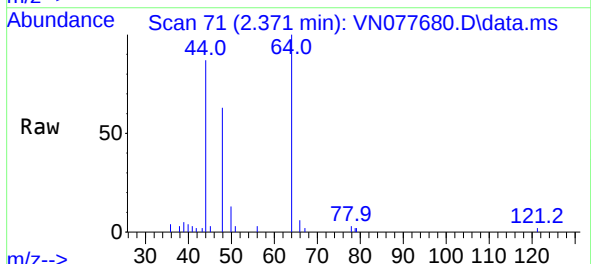
Instrument :
MSVOA_N
ClientSampleId :
VIBLK

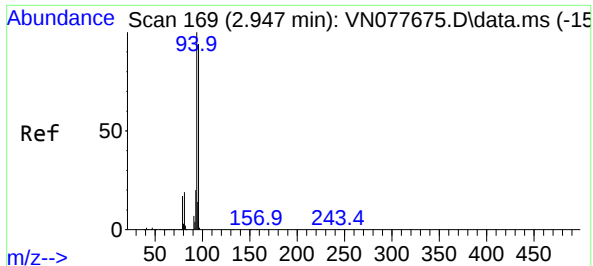
Tgt Ion:168 Resp: 321845
Ion Ratio Lower Upper
168 100
99 65.9 53.0 79.6



#3
Chloromethane
Concen: Below Cal
RT: 2.371 min Scan# 71
Delta R.T. 0.006 min
Lab File: VN077680.D
Acq: 15 May 2023 20:46

Tgt Ion: 50 Resp: 1960
Ion Ratio Lower Upper
50 100
52 0.0 26.5 39.7#

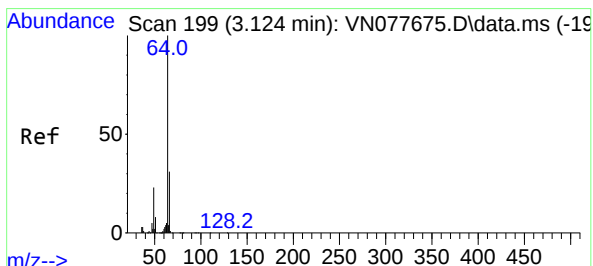
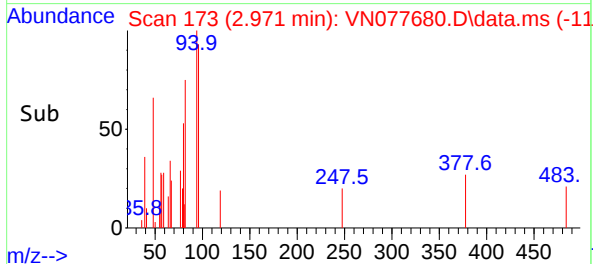
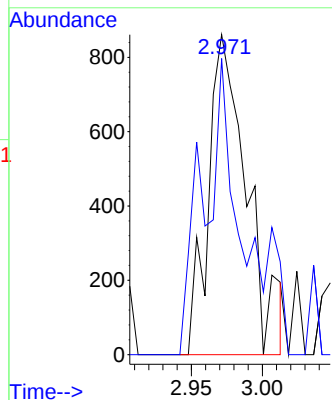
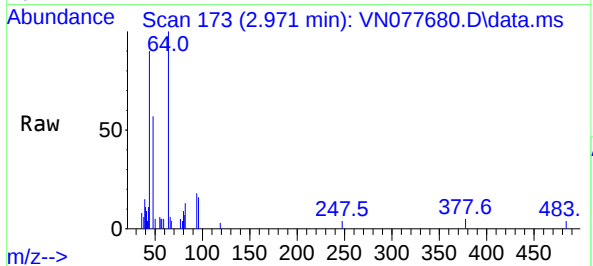




#5
Bromomethane
Concen: 0.479 ug/l
RT: 2.971 min Scan# 11
Delta R.T. 0.024 min
Lab File: VN077680.D
Acq: 15 May 2023 20:46

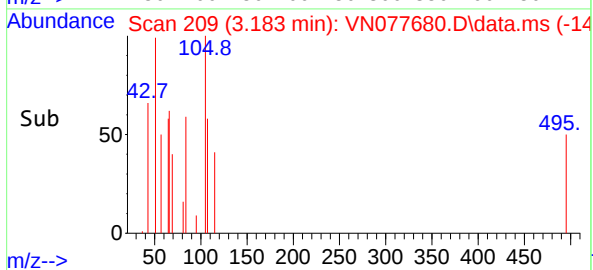
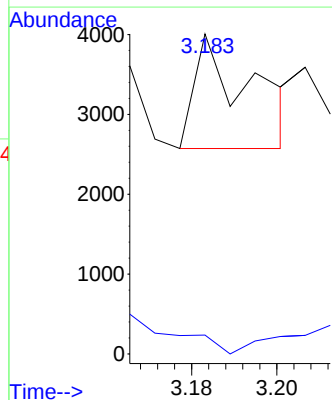
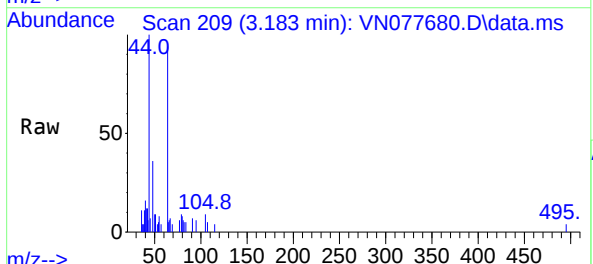
Instrument :
MSVOA_N
ClientSampleId :
VIBLK

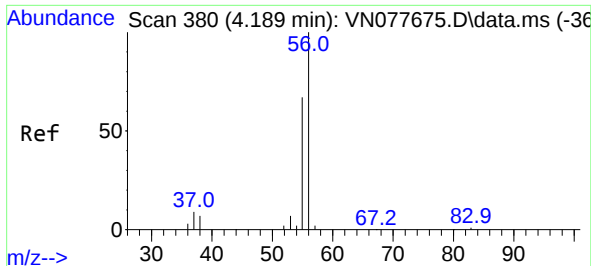
Tgt Ion: 94 Resp: 1636
Ion Ratio Lower Upper
94 100
96 92.6 73.1 109.7



#6
Chloroethane
Concen: 0.389 ug/l
RT: 3.183 min Scan# 209
Delta R.T. 0.059 min
Lab File: VN077680.D
Acq: 15 May 2023 20:46

Tgt Ion: 64 Resp: 1299
Ion Ratio Lower Upper
64 100
66 1.2 25.4 38.2#

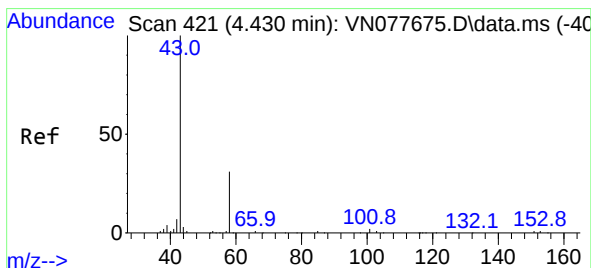
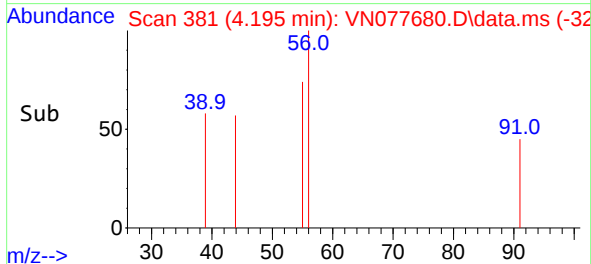
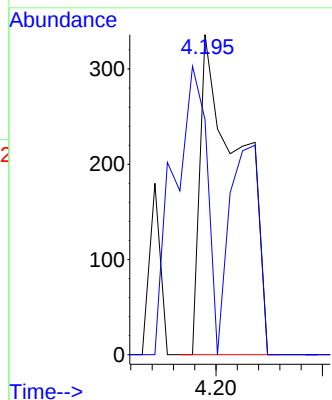
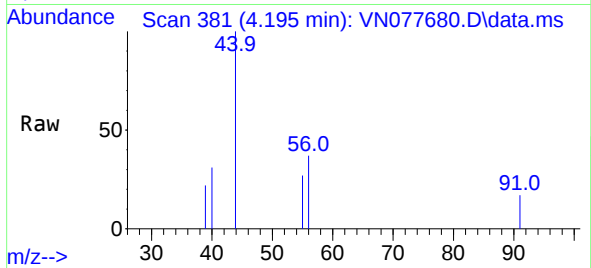




#13
Acrolein
Concen: Below Cal
RT: 4.195 min Scan# 381
Delta R.T. 0.006 min
Lab File: VN077680.D
Acq: 15 May 2023 20:46

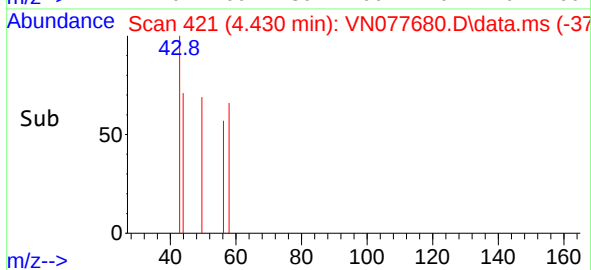
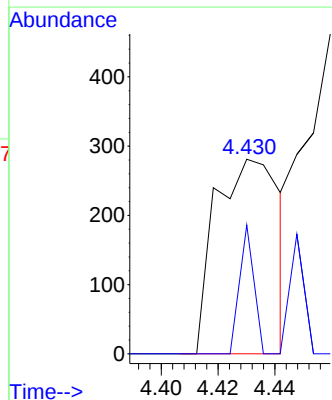
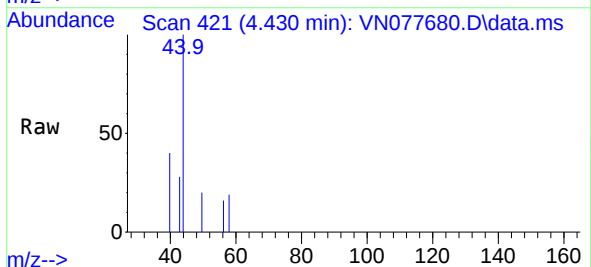
Instrument :
MSVOA_N
ClientSampleId :
VIBLK

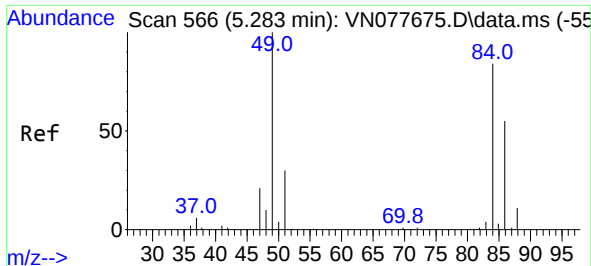
Tgt Ion: 56 Resp: 433
Ion Ratio Lower Upper
56 100
55 75.3 54.5 81.7



#16
Acetone
Concen: 0.290 ug/l
RT: 4.430 min Scan# 421
Delta R.T. 0.000 min
Lab File: VN077680.D
Acq: 15 May 2023 20:46

Tgt Ion: 43 Resp: 442
Ion Ratio Lower Upper
43 100
58 66.2 28.0 42.0#

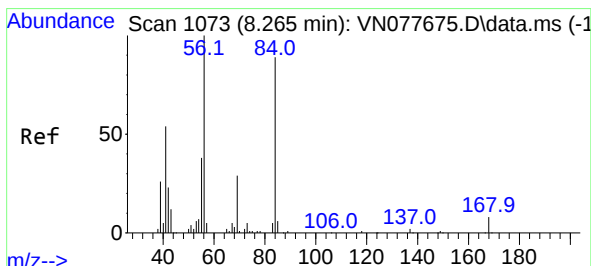
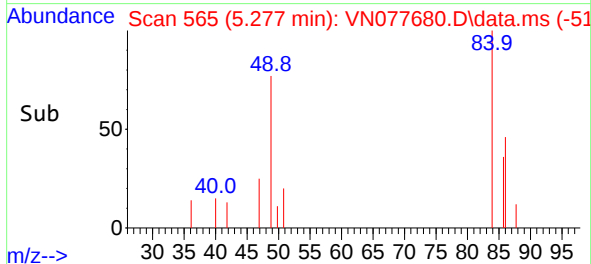
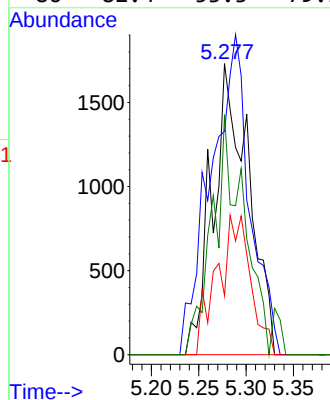
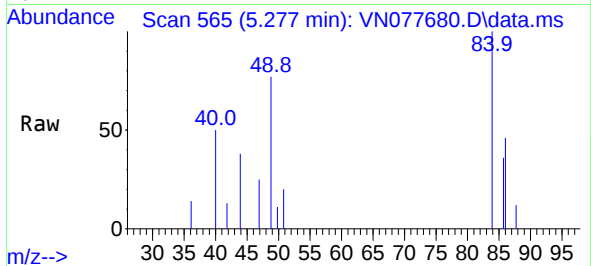




#20
Methylene Chloride
Concen: Below Cal
RT: 5.277 min Scan# 51
Delta R.T. -0.006 min
Lab File: VN077680.D
Acq: 15 May 2023 20:46

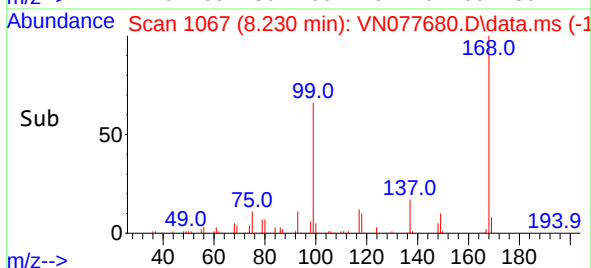
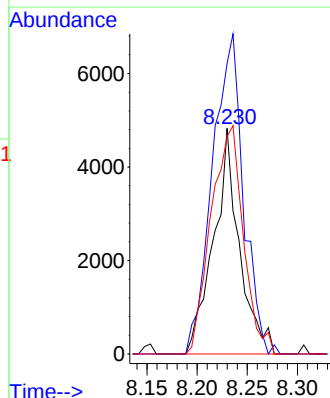
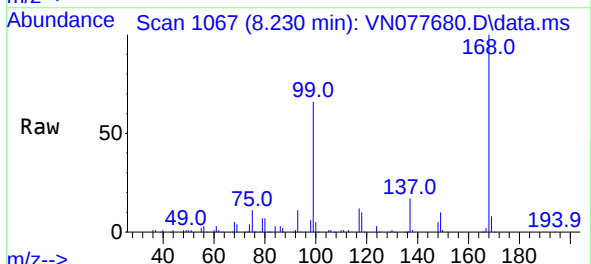
Instrument :
MSVOA_N
ClientSampleId :
VIBLK

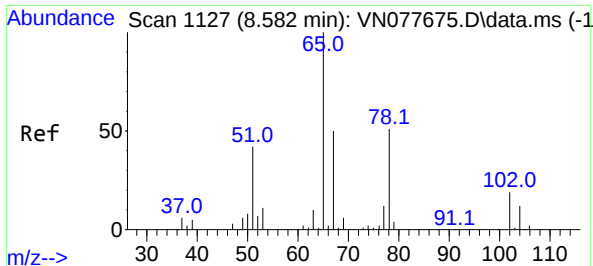
Tgt Ion:	84	Resp:	4569
Ion	Ratio	Lower	Upper
84	100		
49	76.7	79.7	119.5#
51	20.2	25.2	37.8#
86	82.4	53.3	79.9#



#31
Cyclohexane
Concen: 1.317 ug/l
RT: 8.230 min Scan# 1067
Delta R.T. -0.035 min
Lab File: VN077680.D
Acq: 15 May 2023 20:46

Tgt Ion:	56	Resp:	8621
Ion	Ratio	Lower	Upper
56	100		
69	128.8	26.8	40.2#
84	96.4	81.8	122.6





#33

1,2-Dichloroethane-d4

Concen: 49.694 ug/l

RT: 8.583 min Scan# 1127

Delta R.T. 0.001 min

Lab File: VN077680.D

Acq: 15 May 2023 20:46

Instrument :

MSVOA_N

ClientSampleId :

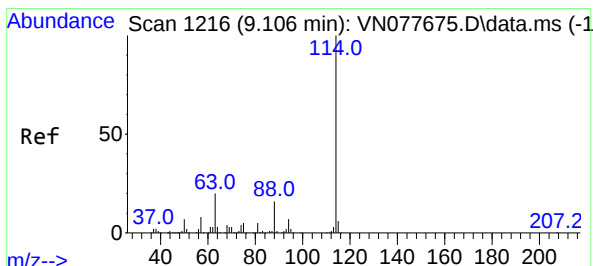
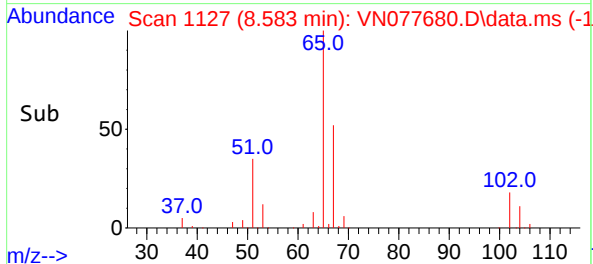
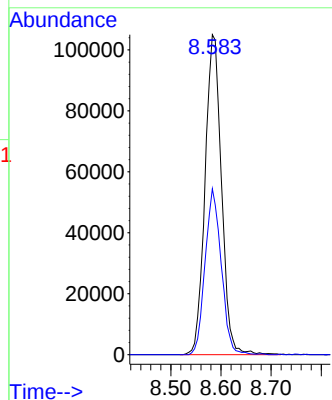
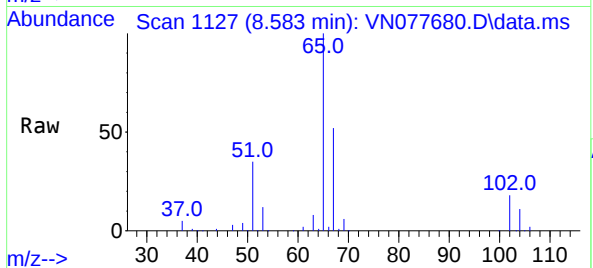
VIBLK

Tgt Ion: 65 Resp: 239308

Ion Ratio Lower Upper

65 100

67 50.8 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: VN077680.D

Acq: 15 May 2023 20:46

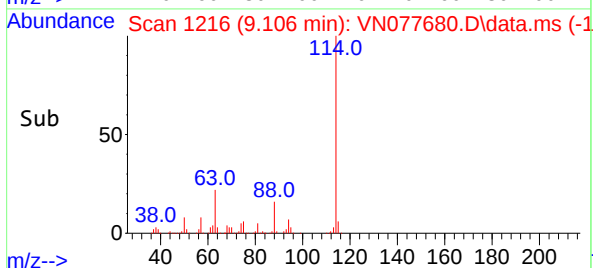
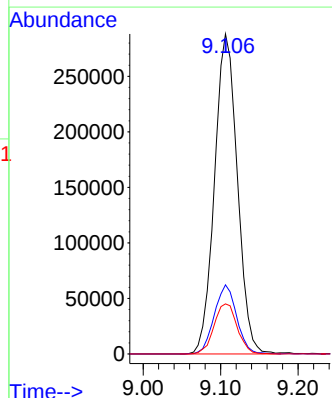
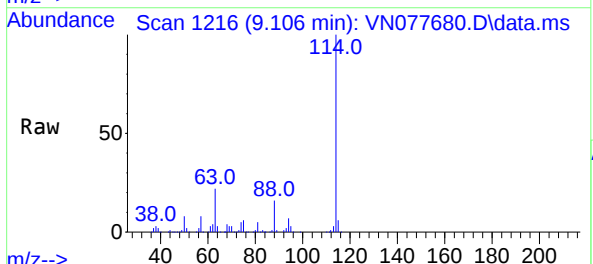
Tgt Ion: 114 Resp: 591222

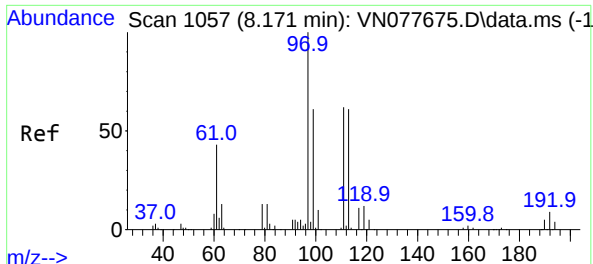
Ion Ratio Lower Upper

114 100

63 21.6 0.0 36.4

88 15.7 0.0 30.6

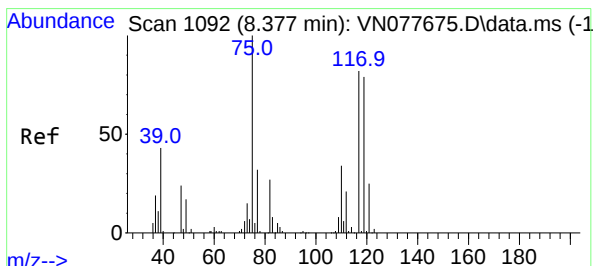
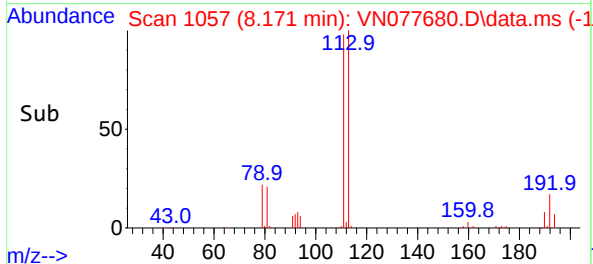
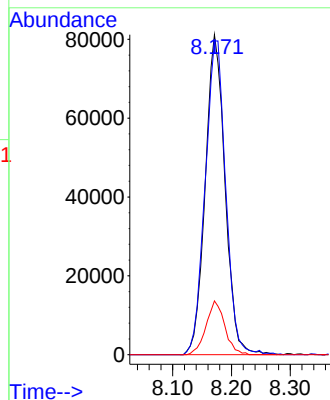
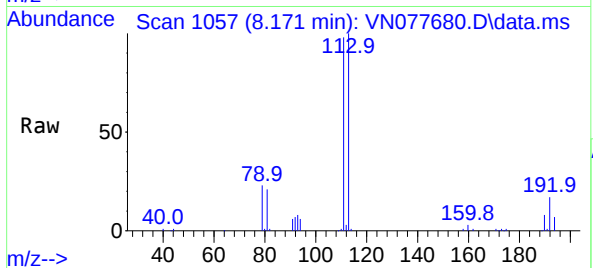




#35
Dibromofluoromethane
Concen: 49.150 ug/l
RT: 8.171 min Scan# 1057
Delta R.T. 0.000 min
Lab File: VN077680.D
Acq: 15 May 2023 20:46

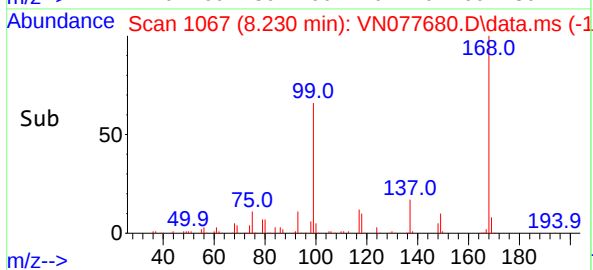
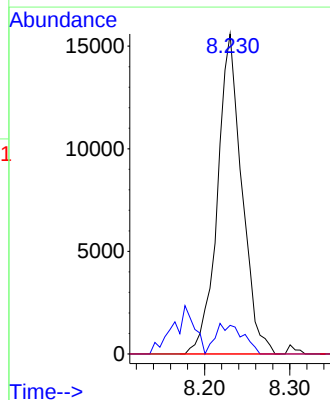
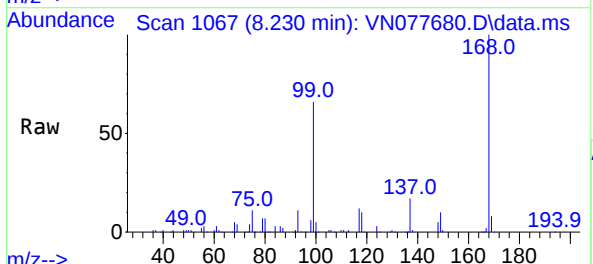
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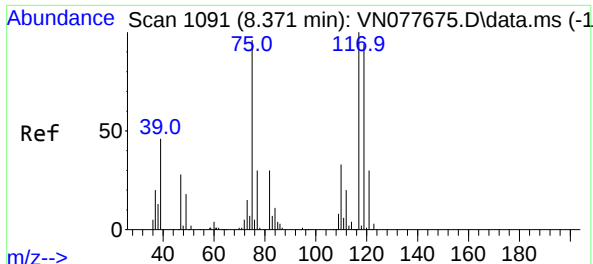
Tgt Ion:113 Resp: 189486
Ion Ratio Lower Upper
113 100
111 102.2 82.6 123.8
192 15.9 12.7 19.1



#36
1,1-Dichloropropene
Concen: 5.509 ug/l
RT: 8.230 min Scan# 1067
Delta R.T. -0.147 min
Lab File: VN077680.D
Acq: 15 May 2023 20:46

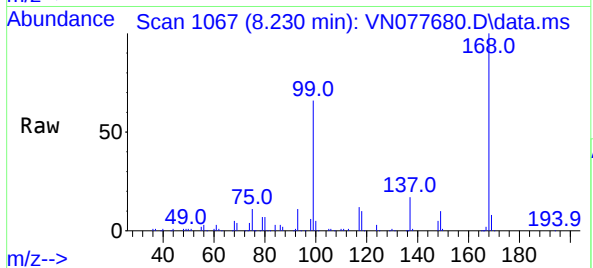
Tgt Ion: 75 Resp: 31063
Ion Ratio Lower Upper
75 100
110 10.6 19.1 57.3#
77 0.0 25.0 37.4#



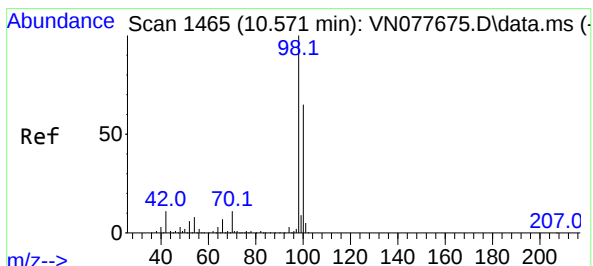
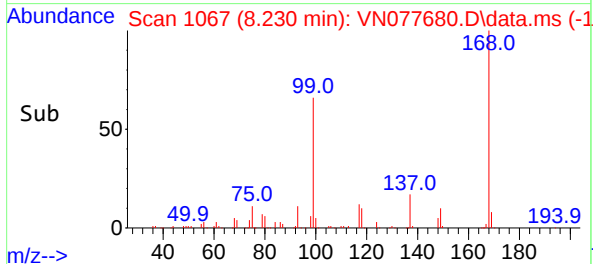
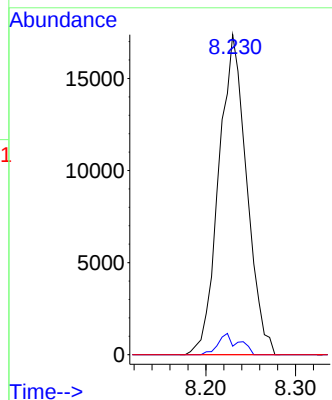


#38
Carbon Tetrachloride
Concen: 6.586 ug/l
RT: 8.230 min Scan# 1067
Delta R.T. -0.141 min
Lab File: VN077680.D
Acq: 15 May 2023 20:46

Instrument :
MSVOA_N
ClientSampleId :
VIBLK

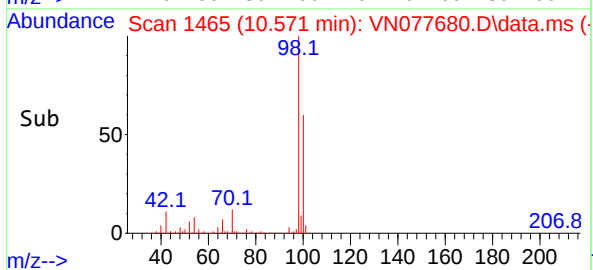
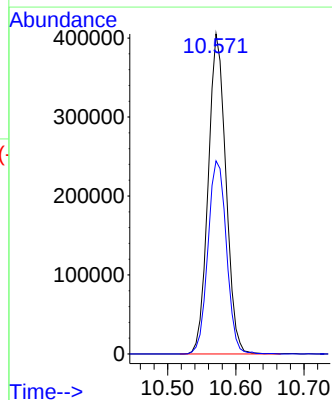
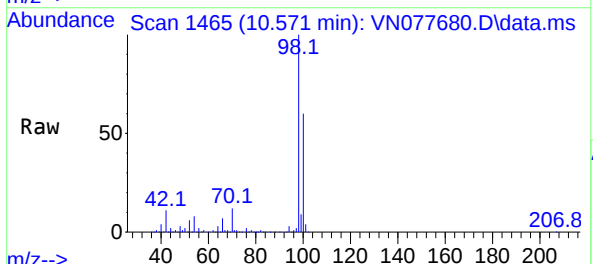


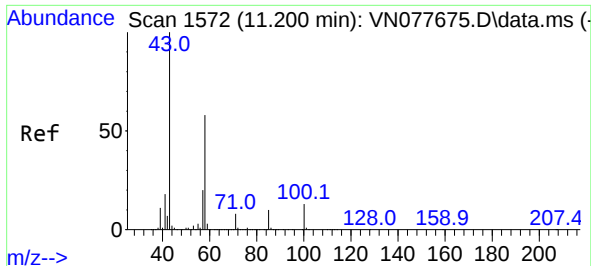
Tgt Ion:117 Resp: 37504
Ion Ratio Lower Upper
117 100
119 2.7 77.3 115.9#
121 0.0 23.3 34.9#



#50
Toluene-d8
Concen: 49.407 ug/l
RT: 10.571 min Scan# 1465
Delta R.T. -0.000 min
Lab File: VN077680.D
Acq: 15 May 2023 20:46

Tgt Ion: 98 Resp: 733163
Ion Ratio Lower Upper
98 100
100 63.1 52.0 78.0

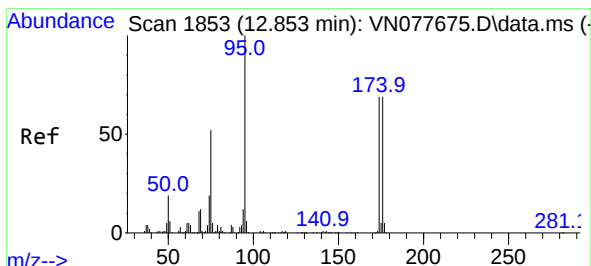
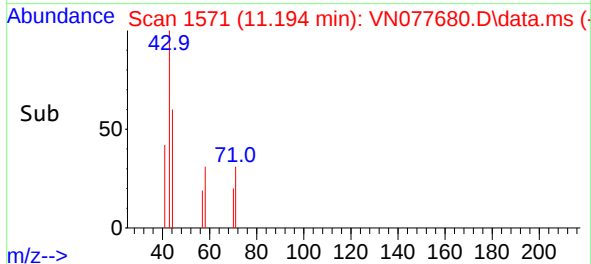
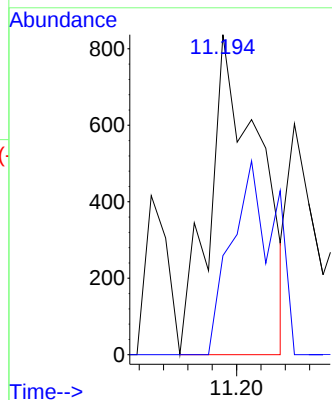
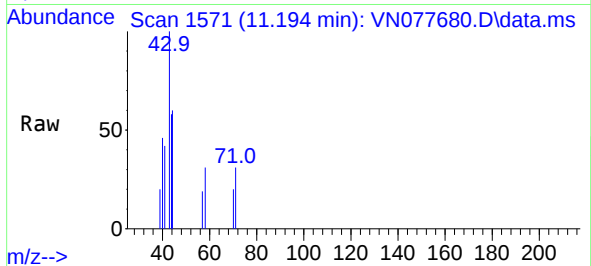




#59
2-Hexanone
Concen: 0.333 ug/l
RT: 11.194 min Scan# 11
Delta R.T. -0.006 min
Lab File: VN077680.D
Acq: 15 May 2023 20:46

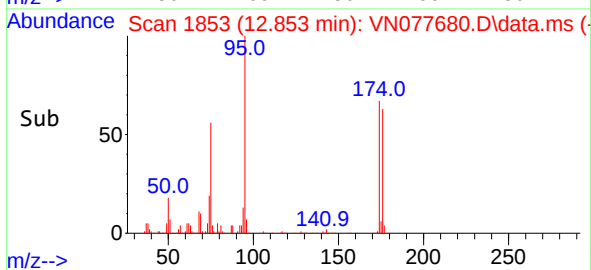
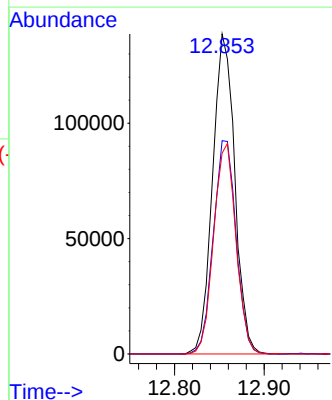
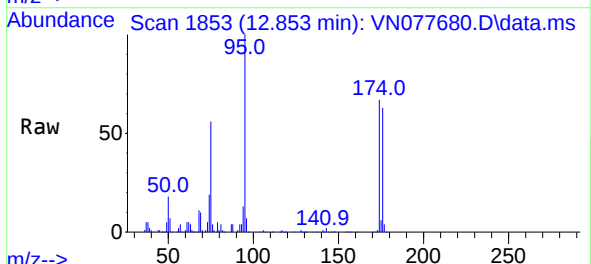
Instrument :
MSVOA_N
ClientSampleId :
VIBLK

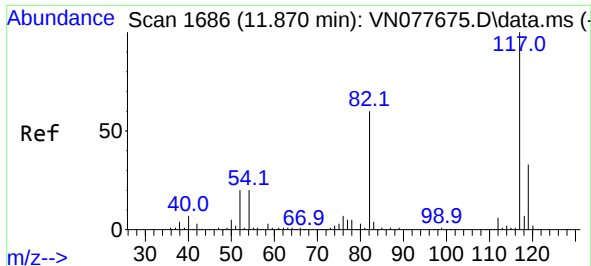
Tgt Ion: 43 Resp: 1201
Ion Ratio Lower Upper
43 100
58 51.4 31.7 95.1



#62
4-Bromofluorobenzene
Concen: 45.380 ug/l
RT: 12.853 min Scan# 1853
Delta R.T. 0.000 min
Lab File: VN077680.D
Acq: 15 May 2023 20:46

Tgt Ion: 95 Resp: 237836
Ion Ratio Lower Upper
95 100
174 68.6 0.0 143.8
176 66.0 0.0 135.8

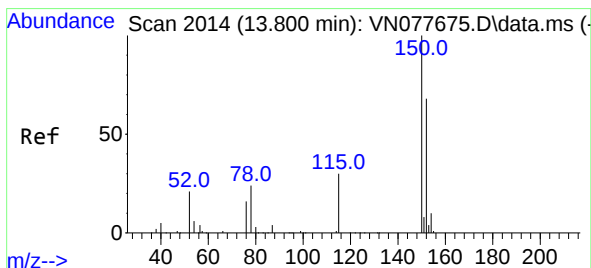
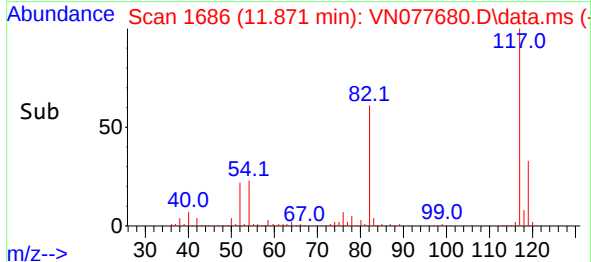
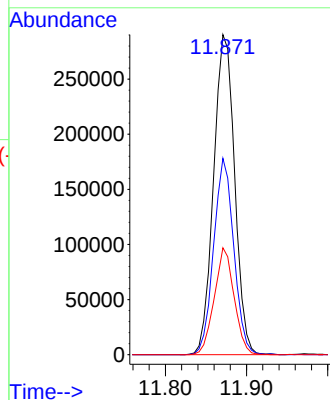
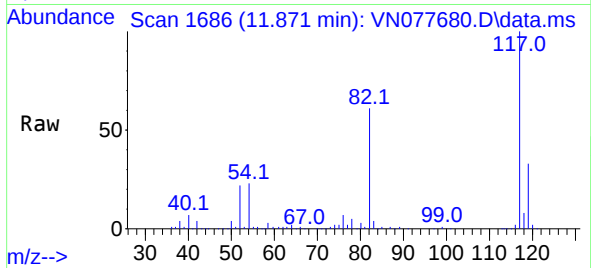




#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 11.871 min Scan# 117
Delta R.T. 0.001 min
Lab File: VN077680.D
Acq: 15 May 2023 20:46

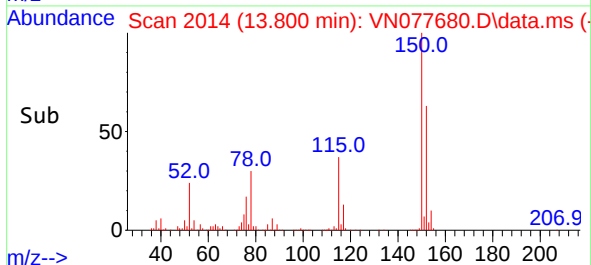
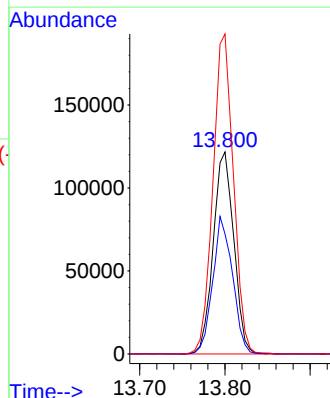
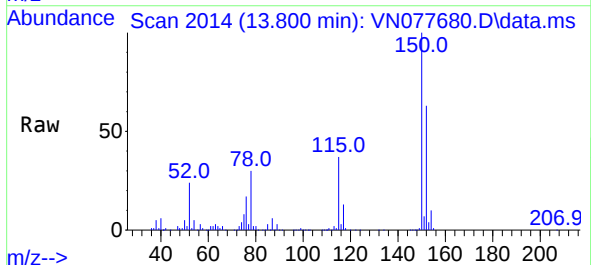
Instrument :
MSVOA_N
ClientSampleId :
VIBLK

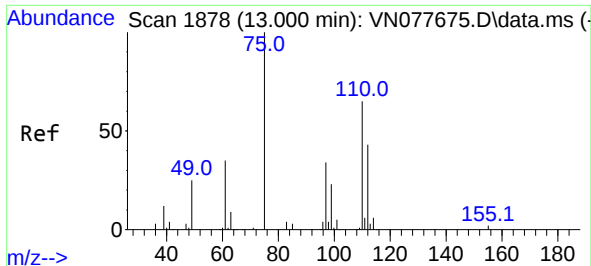
Tgt Ion:117 Resp: 523640
Ion Ratio Lower Upper
117 100
82 61.4 44.0 66.0
119 33.4 25.6 38.4



#72
1,4-Dichlorobenzene-d4
Concen: 50.000 ug/l
RT: 13.800 min Scan# 2014
Delta R.T. 0.000 min
Lab File: VN077680.D
Acq: 15 May 2023 20:46

Tgt Ion:152 Resp: 204509
Ion Ratio Lower Upper
152 100
115 65.4 32.3 96.8
150 157.6 0.0 355.8

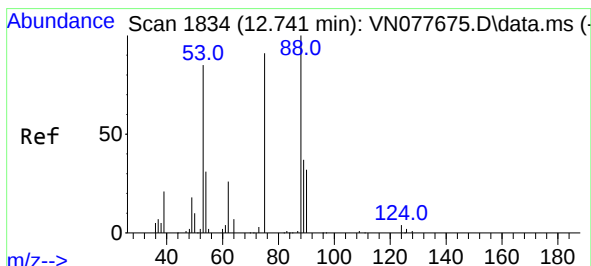
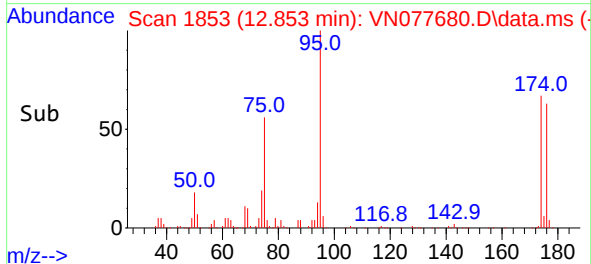
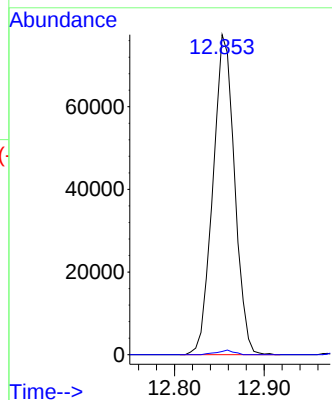
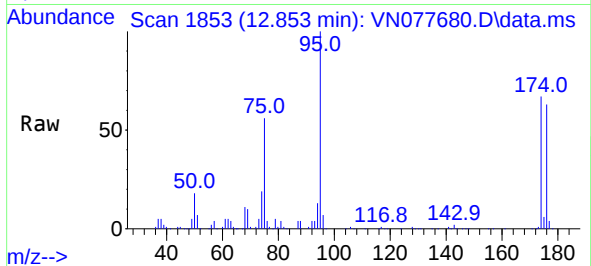




#76
1,2,3-Trichloropropane
Concen: 26.307 ug/l
RT: 12.853 min Scan# 1853
Delta R.T. -0.147 min
Lab File: VN077680.D
Acq: 15 May 2023 20:46

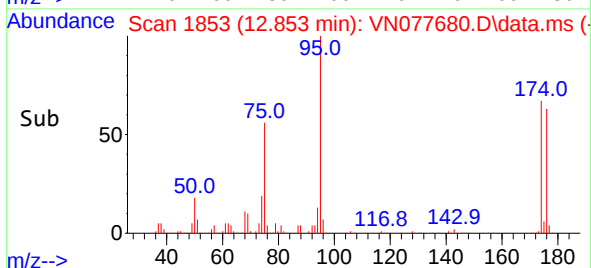
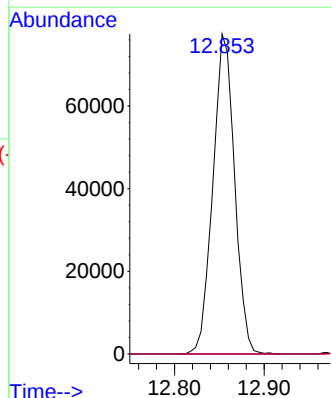
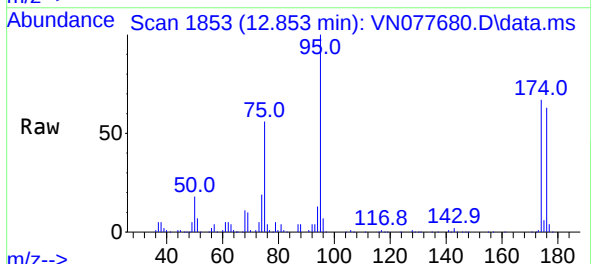
Instrument :
MSVOA_N
ClientSampleId :
VIBLK

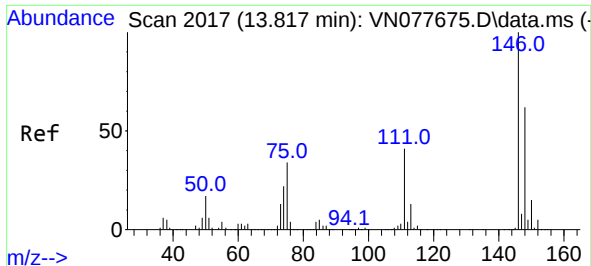
Tgt Ion: 75 Resp: 129923
Ion Ratio Lower Upper
75 100
77 1.1 84.5 253.5#



#81
trans-1,4-Dichloro-2-butene
Concen: 81.088 ug/l
RT: 12.853 min Scan# 1853
Delta R.T. 0.112 min
Lab File: VN077680.D
Acq: 15 May 2023 20:46

Tgt Ion: 75 Resp: 129923
Ion Ratio Lower Upper
75 100
53 0.0 67.4 101.2#
89 0.0 38.8 58.2#

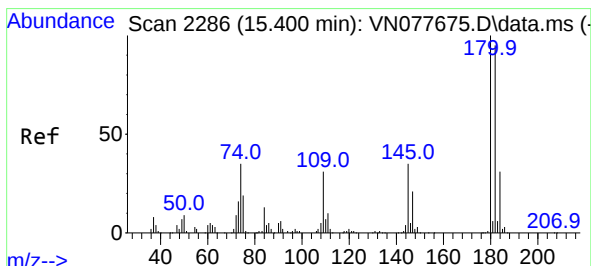
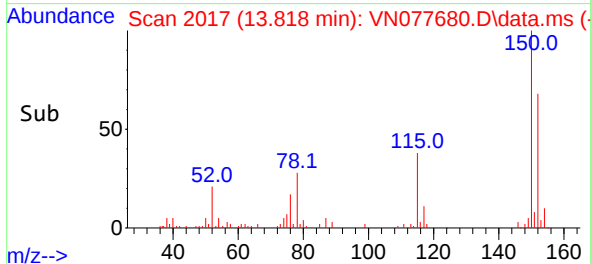
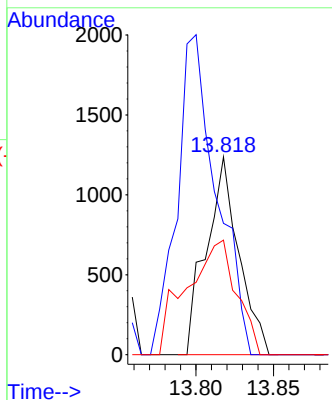
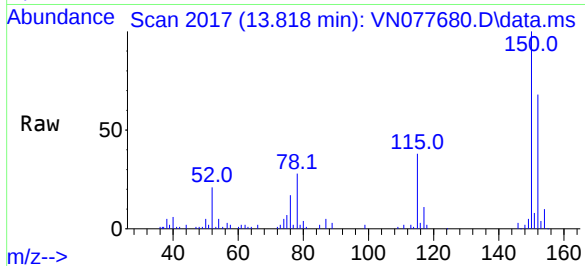




#88
1,4-Dichlorobenzene
Concen: 0.245 ug/l
RT: 13.818 min Scan# 2017
Delta R.T. 0.001 min
Lab File: VN077680.D
Acq: 15 May 2023 20:46

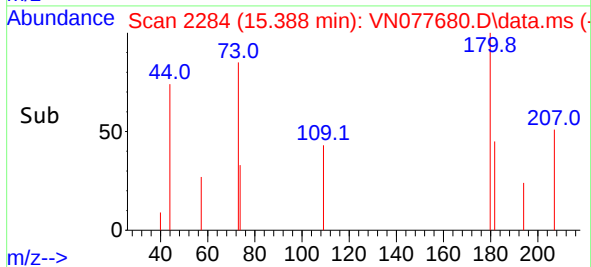
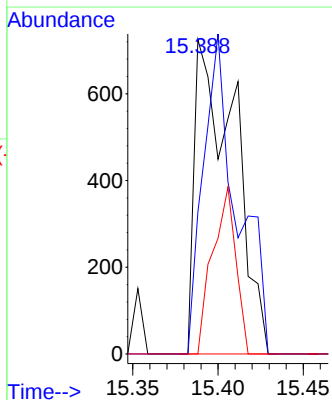
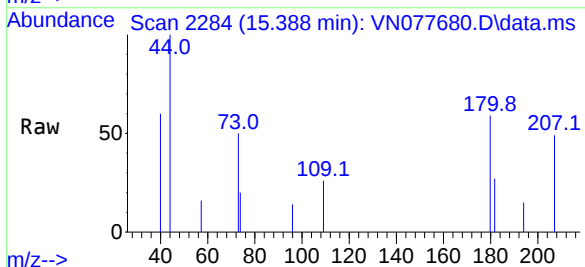
Instrument :
MSVOA_N
ClientSampleId :
VIBLK

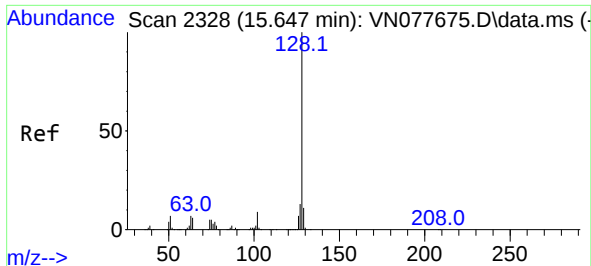
Tgt Ion:146 Resp: 1806
Ion Ratio Lower Upper
146 100
111 196.6 20.6 61.8#
148 88.9 31.6 94.8



#93
1,2,4-Trichlorobenzene
Concen: 0.289 ug/l
RT: 15.388 min Scan# 2284
Delta R.T. -0.012 min
Lab File: VN077680.D
Acq: 15 May 2023 20:46

Tgt Ion:180 Resp: 1173
Ion Ratio Lower Upper
180 100
182 87.0 46.1 138.2
145 31.2 16.6 49.8

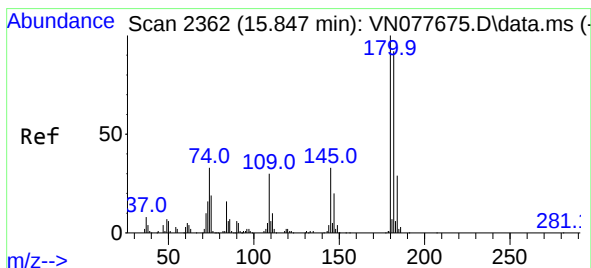
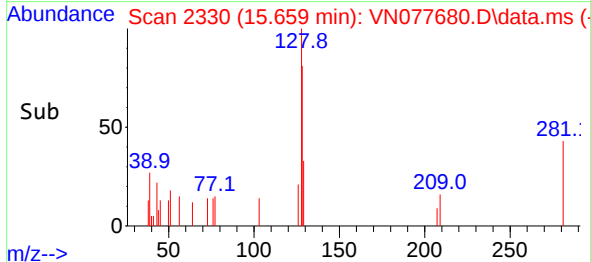
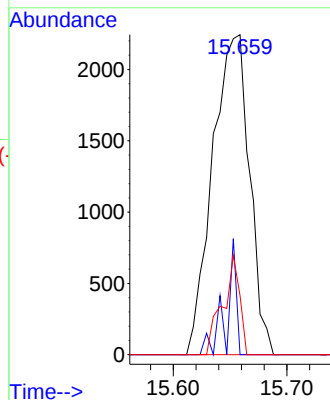
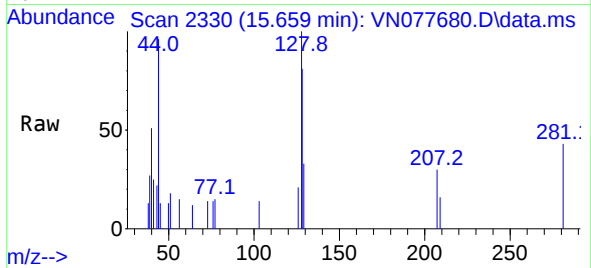




#95
Naphthalene
Concen: 0.363 ug/l
RT: 15.659 min Scan# 21
Delta R.T. 0.012 min
Lab File: VN077680.D
Acq: 15 May 2023 20:46

Instrument :
MSVOA_N
ClientSampleId :
VIBLK

Tgt Ion:128 Resp: 5071
Ion Ratio Lower Upper
128 100
127 9.6 10.0 15.0#
129 14.2 8.7 13.1#



#96
1,2,3-Trichlorobenzene
Concen: 0.236 ug/l
RT: 15.847 min Scan# 2362
Delta R.T. 0.000 min
Lab File: VN077680.D
Acq: 15 May 2023 20:46

Tgt Ion:180 Resp: 940
Ion Ratio Lower Upper
180 100
182 134.9 46.2 138.6
145 14.7 17.5 52.6#

