

Data Path : Z:\voasrv\HPCHEM1\MSVOA_N\Data\VN030723\
 Data File : VN076869.D
 Acq On : 07 Mar 2023 14:07
 Operator : JC\MD
 Sample : IBLK
 Misc : 5.0mL/MSVOA_N/WATER
 ALS Vial : 8 Sample Multiplier: 1

Instrument :
 MSVOA_N
 ClientSampleId :
 IBLK

Quant Time: Mar 07 22:40:23 2023
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA_N\methods\82N030623W.M
 Quant Title : SW846 8260
 QLast Update : Tue Mar 07 08:45:33 2023
 Response via : Initial Calibration

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

Internal Standards						
1) Pentafluorobenzene	8.231	168	520951	50.000	ug/l	0.00
34) 1,4-Difluorobenzene	9.107	114	915733	50.000	ug/l	0.00
63) Chlorobenzene-d5	11.866	117	785972	50.000	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.795	152	311443	50.000	ug/l	0.00

System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	8.583	65	355270	48.641	ug/l	0.00
Spiked Amount	50.000	Range	74 - 125	Recovery	=	97.280%
35) Dibromofluoromethane	8.172	113	272808	47.622	ug/l	0.00
Spiked Amount	50.000	Range	75 - 124	Recovery	=	95.240%
50) Toluene-d8	10.572	98	1092695	49.509	ug/l	0.00
Spiked Amount	50.000	Range	86 - 113	Recovery	=	99.020%
62) 4-Bromofluorobenzene	12.854	95	358900	46.929	ug/l	0.00
Spiked Amount	50.000	Range	83 - 123	Recovery	=	93.860%

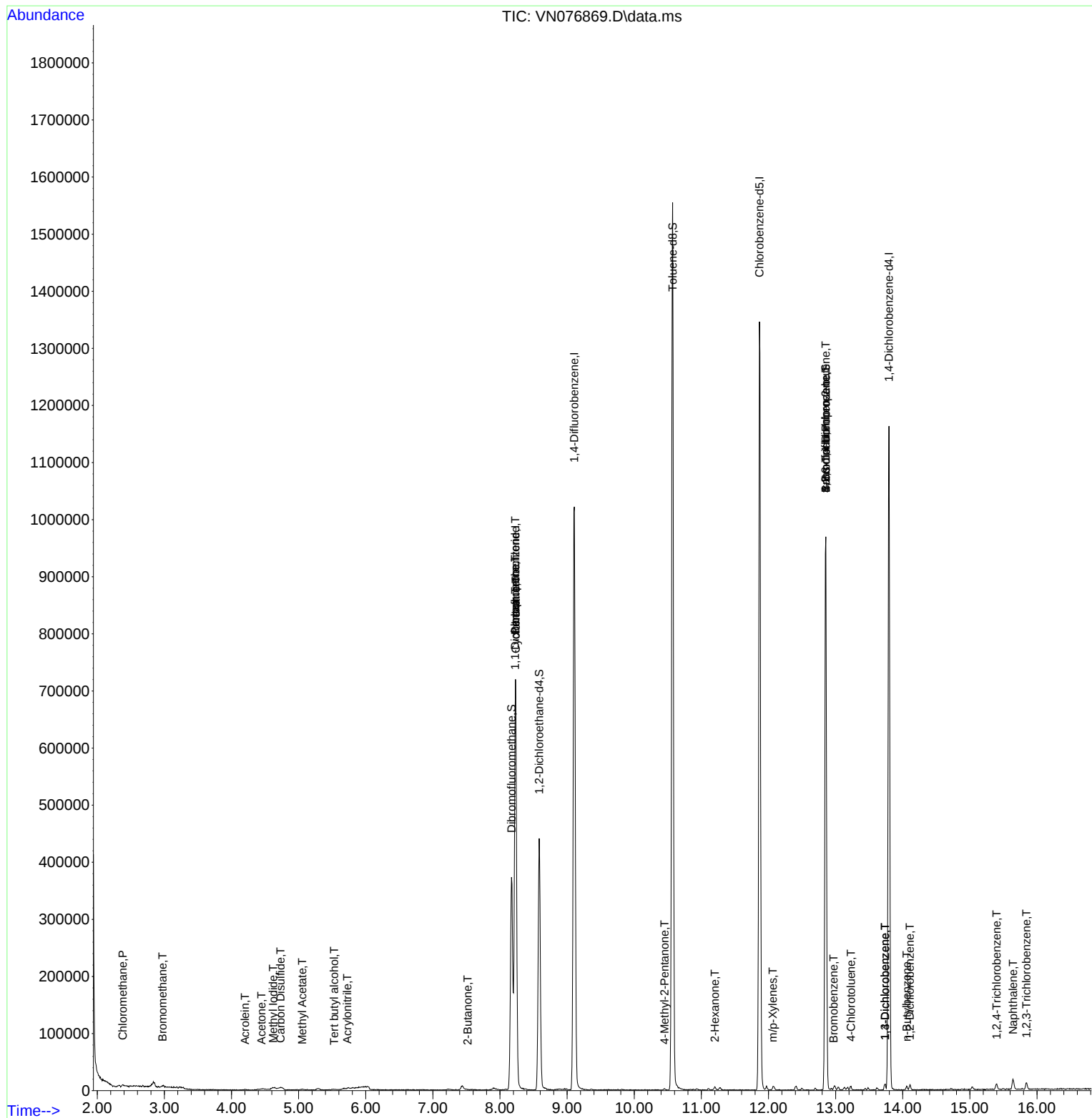
Target Compounds				Qvalue		
3) Chloromethane	2.378	50	2296	0.288	ug/l #	75
5) Bromomethane	2.972	94	1386	0.289	ug/l	93
6) Chloroethane	3.137	64	304	Below Cal	#	42
10) Methyl Iodide	4.619	142	3872	0.595	ug/l	91
11) Tert butyl alcohol	5.531	59	350	0.323	ug/l #	72
13) Acrolein	4.201	56	730	0.520	ug/l #	74
15) Acrylonitrile	5.725	53	1667	0.478	ug/l #	18
16) Acetone	4.448	43	2077	0.651	ug/l #	40
17) Carbon Disulfide	4.731	76	3238	0.205	ug/l #	73
18) Methyl Acetate	5.054	43	2194	0.201	ug/l #	59
25) 2-Butanone	7.519	43	1423	0.306	ug/l #	79
31) Cyclohexane	8.236	56	11596	0.940	ug/l #	12
36) 1,1-Dichloropropene	8.225	75	45933	4.989	ug/l #	47
38) Carbon Tetrachloride	8.231	117	56025	5.990	ug/l #	17
51) 4-Methyl-2-Pentanone	10.454	43	2100	0.230	ug/l	90
59) 2-Hexanone	11.201	43	4142	0.626	ug/l	77
68) m/p-Xylenes	12.066	106	2635	0.227	ug/l	98
71) Bromoform	12.854	173	1887	0.451	ug/l #	1
76) 1,2,3-Trichloropropane	12.854	75	189290	24.100	ug/l #	1
77) Bromobenzene	12.971	156	1663	0.277	ug/l	90
81) trans-1,4-Dichloro-2-b...	12.854	75	189290	79.481	ug/l #	15
82) 4-Chlorotoluene	13.230	91	4638	0.246	ug/l	100
87) 1,3-Dichlorobenzene	13.736	146	3296	0.300	ug/l	86
88) 1,4-Dichlorobenzene	13.736	146	3296	0.296	ug/l	87
89) n-Butylbenzene	14.060	91	3854	0.205	ug/l	97
91) 1,2-Dichlorobenzene	14.107	146	3567	0.321	ug/l	91
93) 1,2,4-Trichlorobenzene	15.401	180	3457	0.622	ug/l	94
95) Naphthalene	15.642	128	16564	0.930	ug/l	99
96) 1,2,3-Trichlorobenzene	15.842	180	3841	0.703	ug/l	91

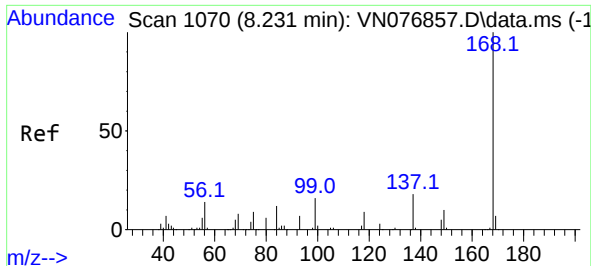
(#) = qualifier out of range (m) = manual integration (+) = signals summed

Data Path : Z:\voasrv\HPCHEM1\MSVOA_N\Data\VN030723\
Data File : VN076869.D
Acq On : 07 Mar 2023 14:07
Operator : JC\MD
Sample : IBLK
Misc : 5.0mL/MSVOA_N/WATER
ALS Vial : 8 Sample Multiplier: 1

Instrument :
MSVOA_N
ClientSampleId :
IBLK

Quant Time: Mar 07 22:40:23 2023
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_N\methods\82N030623W.M
Quant Title : SW846 8260
QLast Update : Tue Mar 07 08:45:33 2023
Response via : Initial Calibration

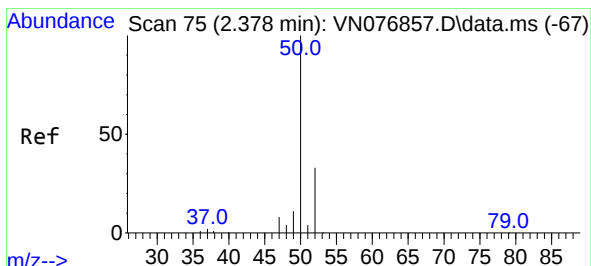
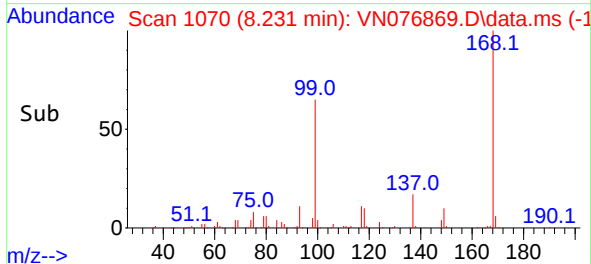
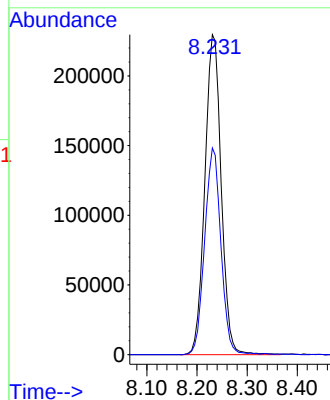
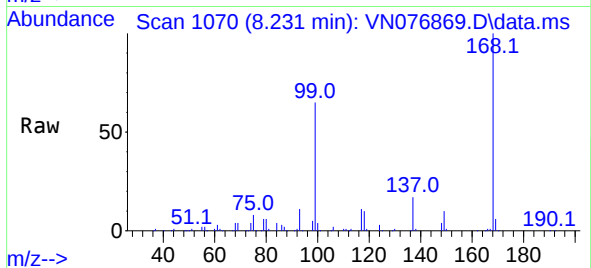




#1
Pentafluorobenzene
Concen: 50.000 ug/l
RT: 8.231 min Scan# 10
Delta R.T. -0.000 min
Lab File: VN076869.D
Acq: 07 Mar 2023 14:07

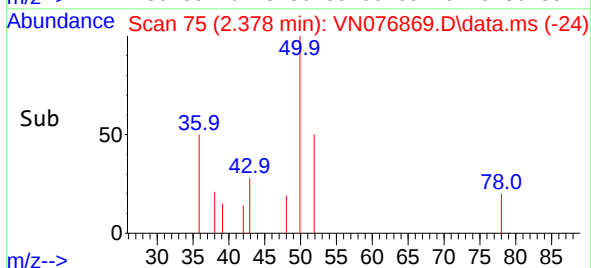
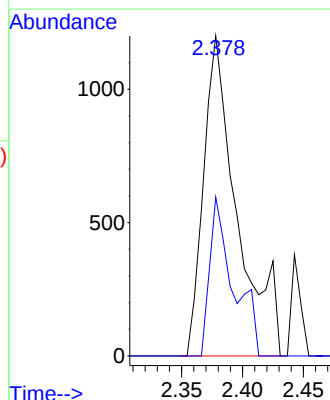
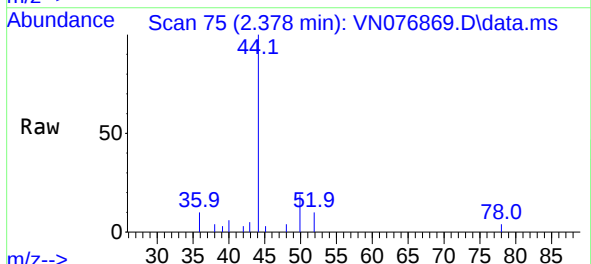
Instrument :
MSVOA_N
ClientSampleId :
IBLK

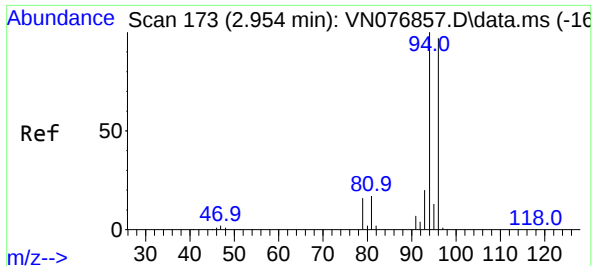
Tgt Ion:168 Resp: 520951
Ion Ratio Lower Upper
168 100
99 64.6 48.6 73.0



#3
Chloromethane
Concen: 0.288 ug/l
RT: 2.378 min Scan# 75
Delta R.T. -0.000 min
Lab File: VN076869.D
Acq: 07 Mar 2023 14:07

Tgt Ion: 50 Resp: 2296
Ion Ratio Lower Upper
50 100
52 49.7 27.9 41.9#

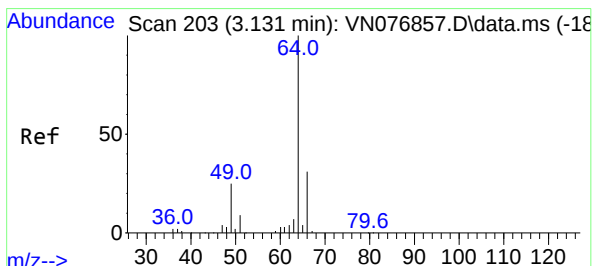
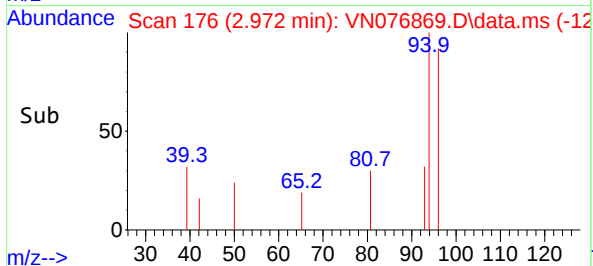
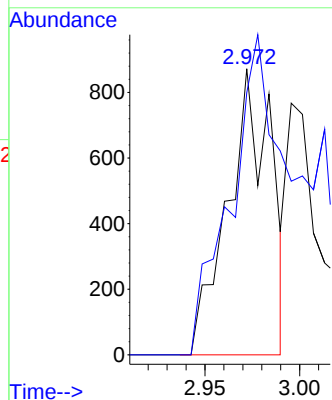
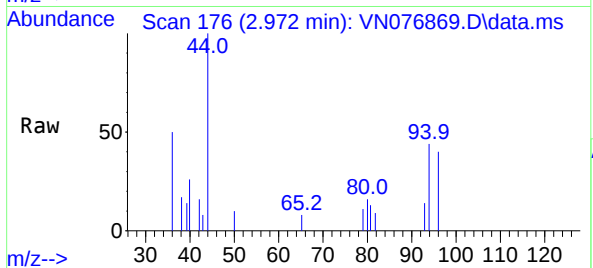




#5
Bromomethane
Concen: 0.289 ug/l
RT: 2.972 min Scan# 11
Delta R.T. 0.018 min
Lab File: VN076869.D
Acq: 07 Mar 2023 14:07

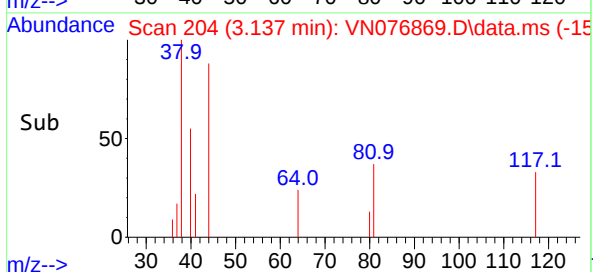
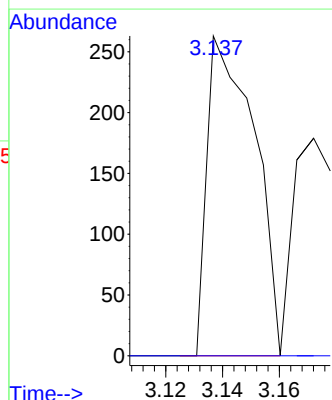
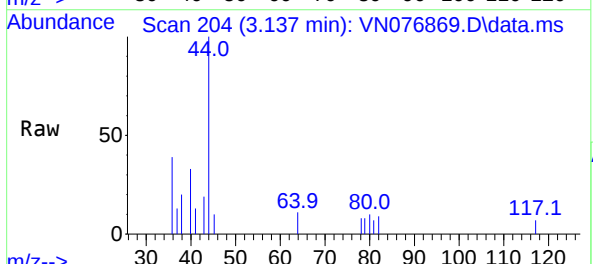
Instrument :
MSVOA_N
ClientSampleId :
IBLK

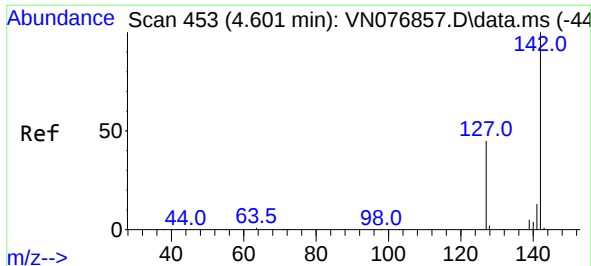
Tgt Ion: 94 Resp: 1386
Ion Ratio Lower Upper
94 100
96 91.6 79.0 118.6



#6
Chloroethane
Concen: Below Cal
RT: 3.137 min Scan# 204
Delta R.T. 0.006 min
Lab File: VN076869.D
Acq: 07 Mar 2023 14:07

Tgt Ion: 64 Resp: 304
Ion Ratio Lower Upper
64 100
66 0.0 26.2 39.4#

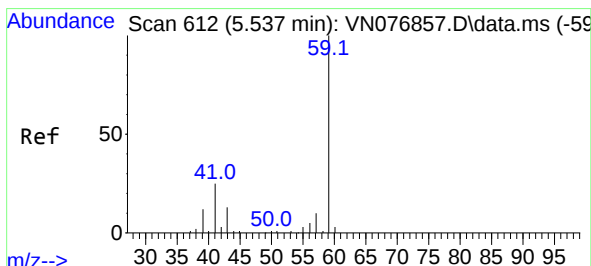
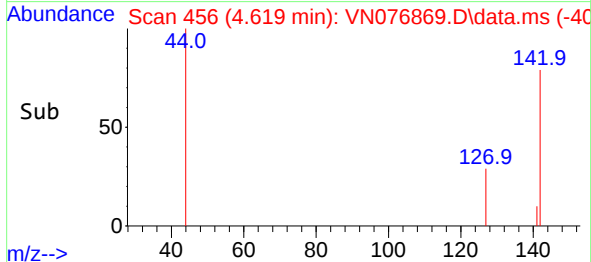
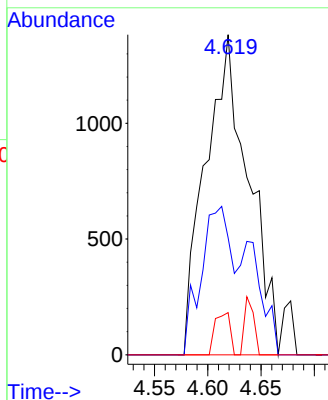
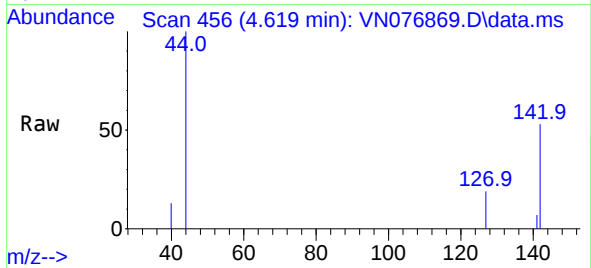




#10
Methyl Iodide
Concen: 0.595 ug/l
RT: 4.619 min Scan# 456
Delta R.T. 0.018 min
Lab File: VN076869.D
Acq: 07 Mar 2023 14:07

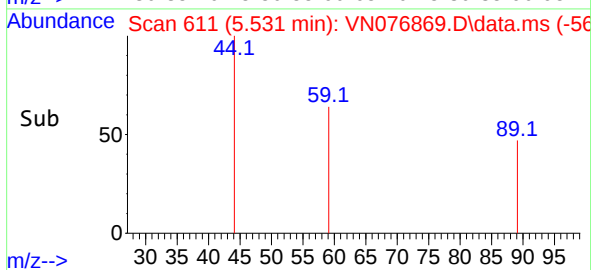
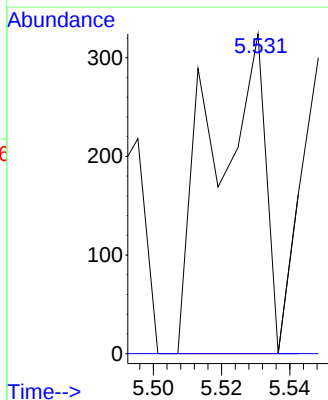
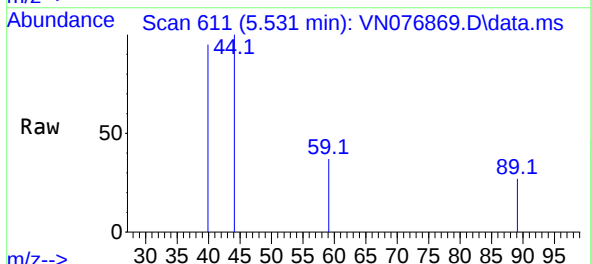
Instrument :
MSVOA_N
ClientSampleId :
IBLK

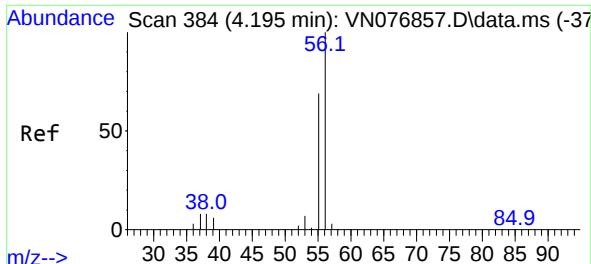
Tgt Ion:142 Resp: 3872
Ion Ratio Lower Upper
142 100
127 36.6 35.2 52.8
141 13.2 10.2 15.2



#11
Tert butyl alcohol
Concen: 0.323 ug/l
RT: 5.531 min Scan# 611
Delta R.T. -0.006 min
Lab File: VN076869.D
Acq: 07 Mar 2023 14:07

Tgt Ion: 59 Resp: 350
Ion Ratio Lower Upper
59 100
57 0.0 8.6 12.8#

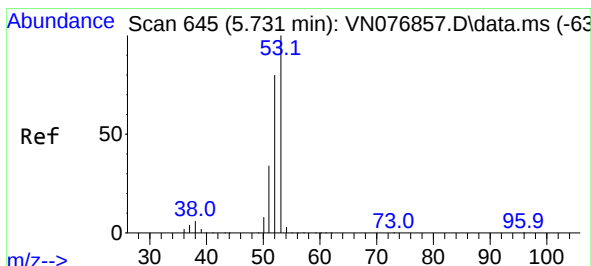
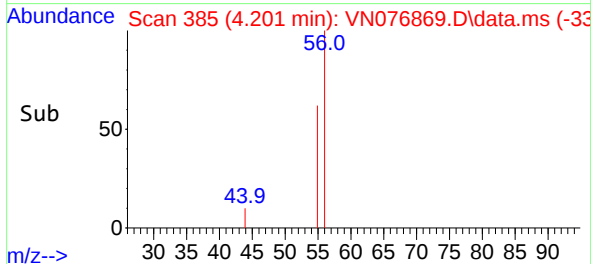
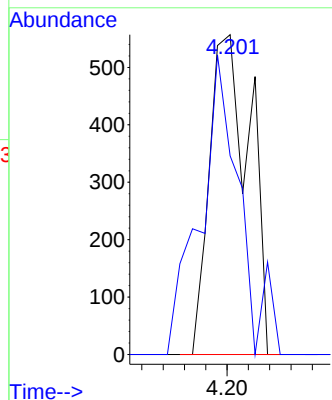
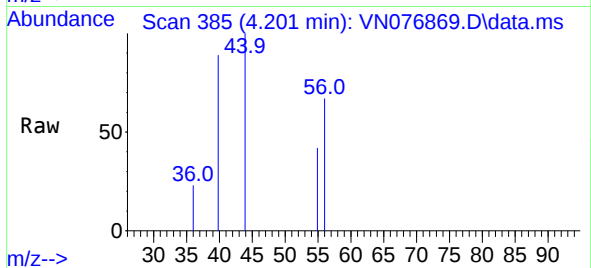




#13
Acrolein
Concen: 0.520 ug/l
RT: 4.201 min Scan# 385
Delta R.T. 0.006 min
Lab File: VN076869.D
Acq: 07 Mar 2023 14:07

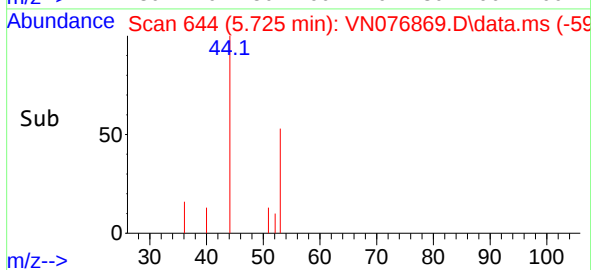
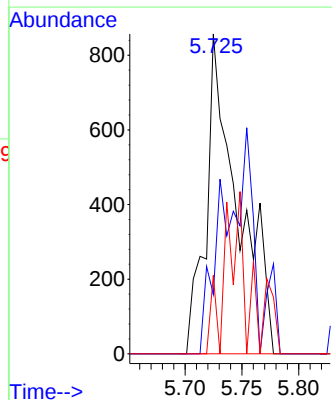
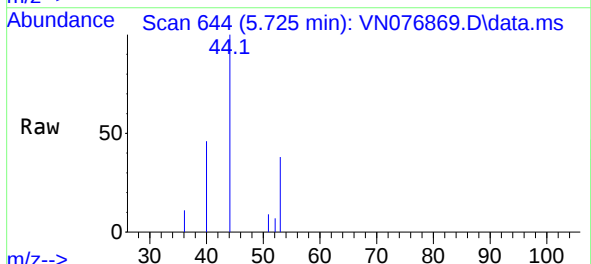
Instrument :
MSVOA_N
ClientSampleId :
IBLK

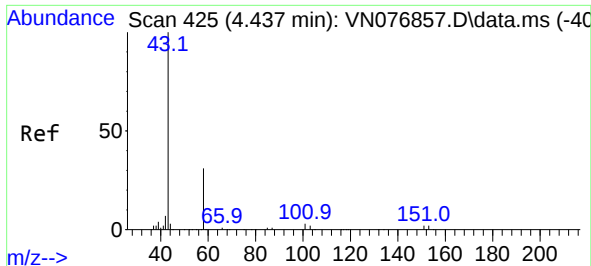
Tgt Ion: 56 Resp: 730
Ion Ratio Lower Upper
56 100
55 92.2 56.7 85.1#



#15
Acrylonitrile
Concen: 0.478 ug/l
RT: 5.725 min Scan# 644
Delta R.T. -0.006 min
Lab File: VN076869.D
Acq: 07 Mar 2023 14:07

Tgt Ion: 53 Resp: 1667
Ion Ratio Lower Upper
53 100
52 0.0 65.3 97.9#
51 0.0 28.8 43.2#

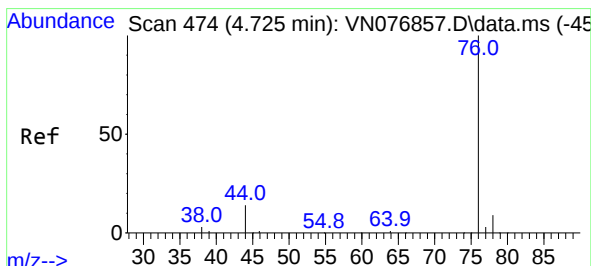
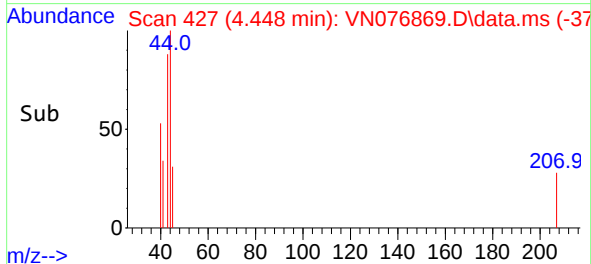
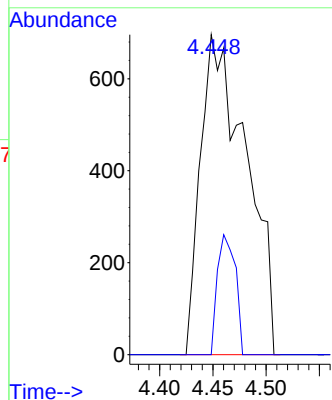
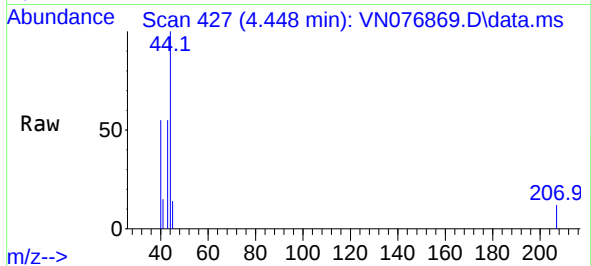




#16
Acetone
Concen: 0.651 ug/l
RT: 4.448 min Scan# 41
Delta R.T. 0.011 min
Lab File: VN076869.D
Acq: 07 Mar 2023 14:07

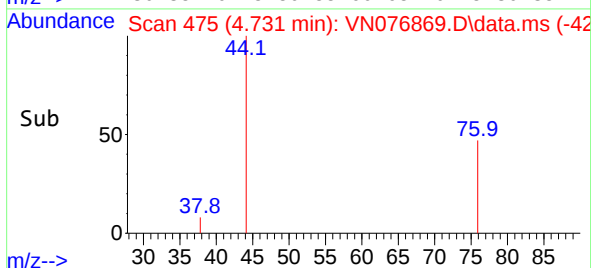
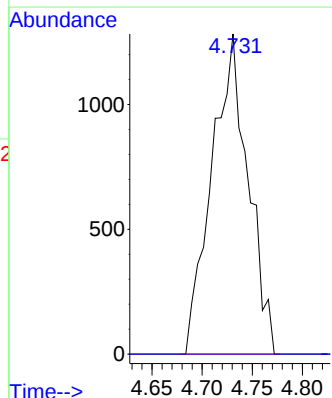
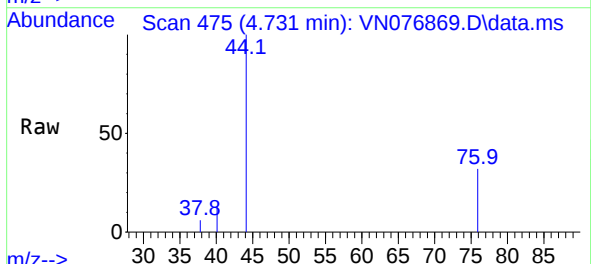
Instrument :
MSVOA_N
ClientSampleId :
IBLK

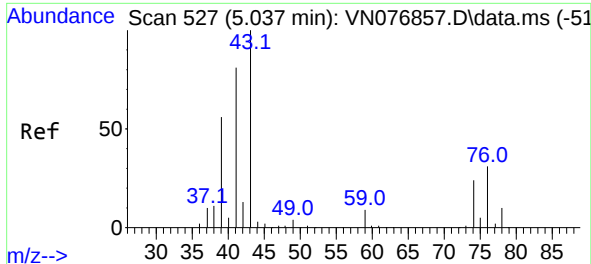
Tgt Ion: 43 Resp: 2077
Ion Ratio Lower Upper
43 100
58 0.0 28.2 42.2#



#17
Carbon Disulfide
Concen: 0.205 ug/l
RT: 4.731 min Scan# 475
Delta R.T. 0.006 min
Lab File: VN076869.D
Acq: 07 Mar 2023 14:07

Tgt Ion: 76 Resp: 3238
Ion Ratio Lower Upper
76 100
78 0.0 7.8 11.8#





#18

Methyl Acetate

Concen: 0.201 ug/l

RT: 5.054 min Scan# 51

Delta R.T. 0.017 min

Lab File: VN076869.D

Acq: 07 Mar 2023 14:07

Instrument :

MSVOA_N

ClientSampleId :

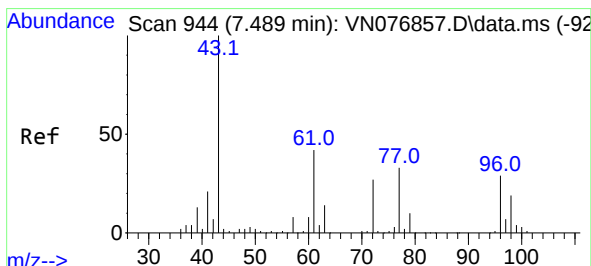
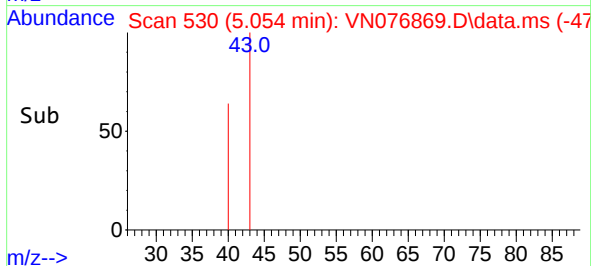
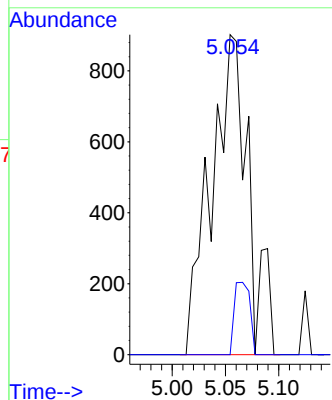
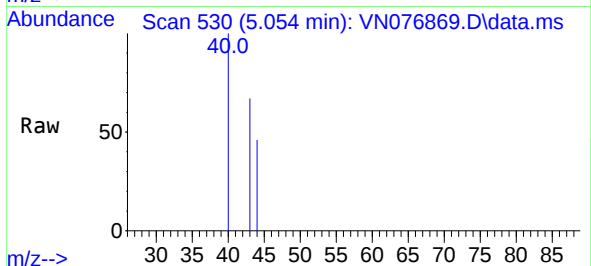
IBLK

Tgt Ion: 43 Resp: 2194

Ion Ratio Lower Upper

43 100

74 9.4 25.9 38.9#



#25

2-Butanone

Concen: 0.306 ug/l

RT: 7.519 min Scan# 949

Delta R.T. 0.030 min

Lab File: VN076869.D

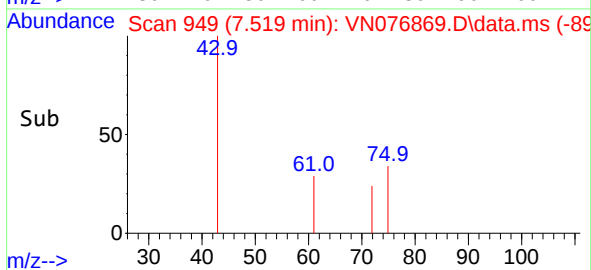
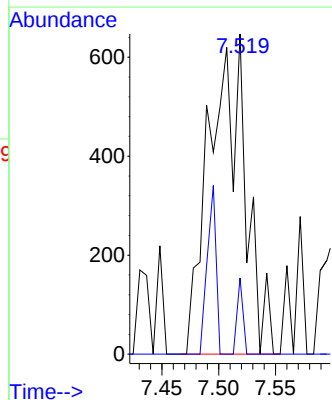
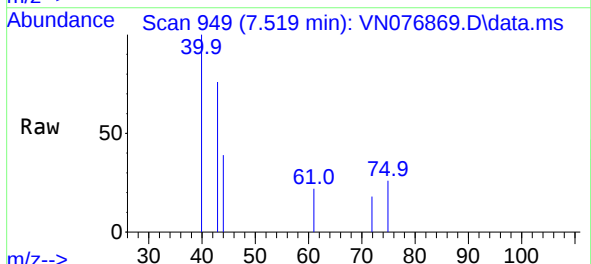
Acq: 07 Mar 2023 14:07

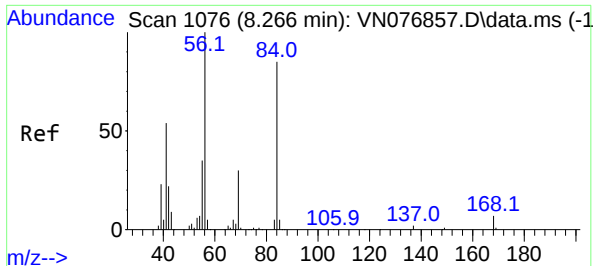
Tgt Ion: 43 Resp: 1423

Ion Ratio Lower Upper

43 100

72 23.8 28.8 43.2#





#31

Cyclohexane

Concen: 0.940 ug/l

RT: 8.236 min Scan# 1107

Delta R.T. -0.030 min

Lab File: VN076869.D

Acq: 07 Mar 2023 14:07

Instrument :

MSVOA_N

ClientSampleId :

IBLK

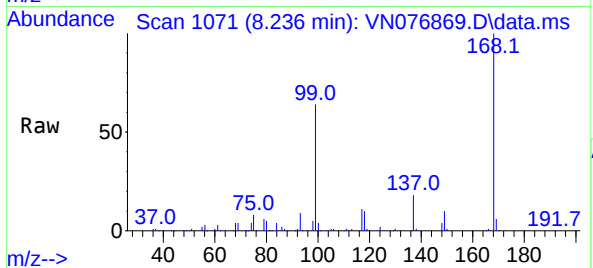
Tgt Ion: 56 Resp: 11596

Ion Ratio Lower Upper

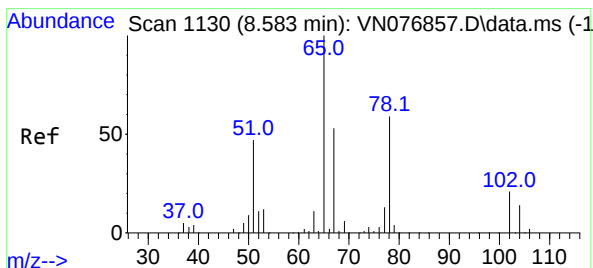
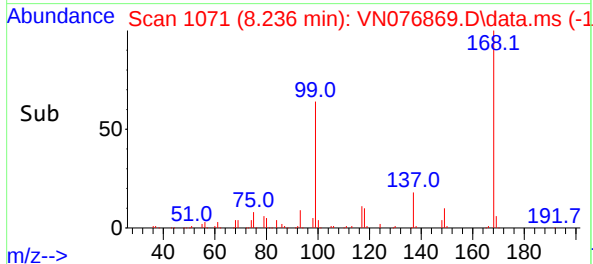
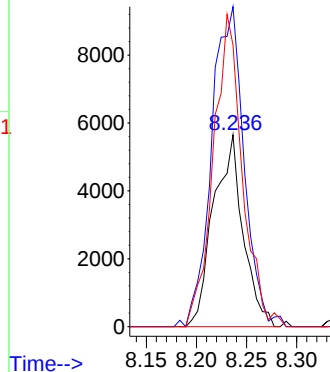
56 100

69 163.5 27.0 40.6#

84 146.8 82.9 124.3#



Abundance



#33

1,2-Dichloroethane-d4

Concen: 48.641 ug/l

RT: 8.583 min Scan# 1130

Delta R.T. 0.000 min

Lab File: VN076869.D

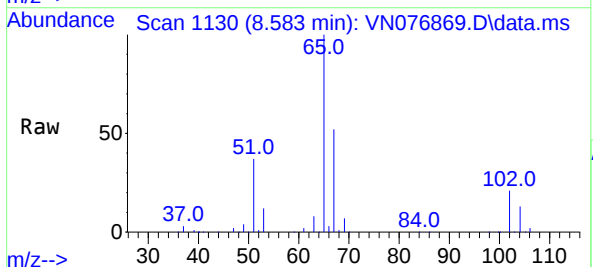
Acq: 07 Mar 2023 14:07

Tgt Ion: 65 Resp: 355270

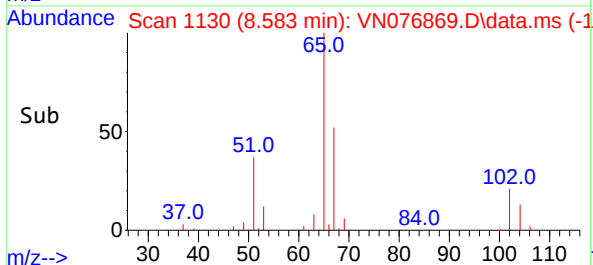
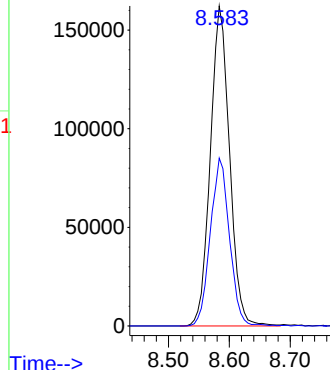
Ion Ratio Lower Upper

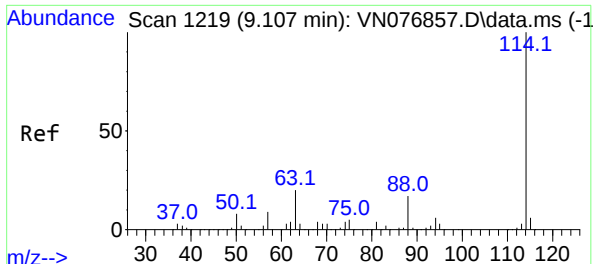
65 100

67 52.3 0.0 107.2



Abundance

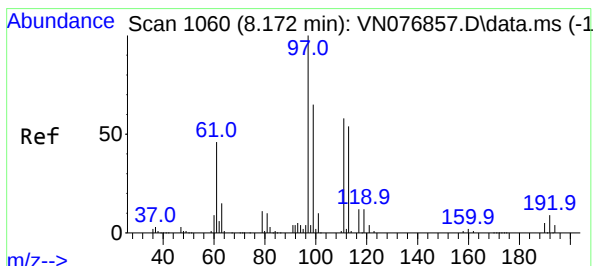
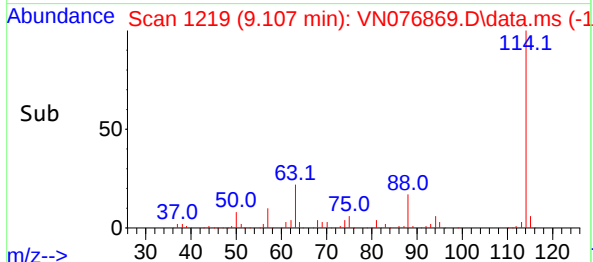
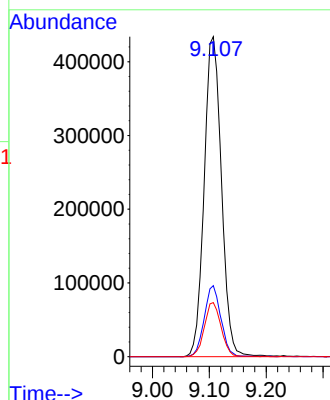
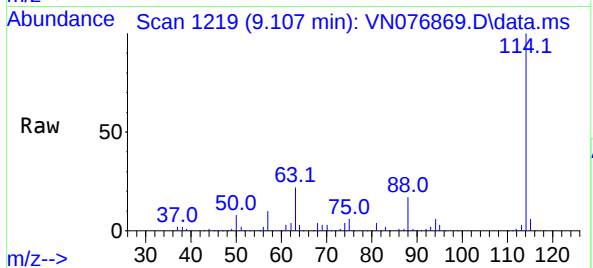




#34
1,4-Difluorobenzene
Concen: 50.000 ug/l
RT: 9.107 min Scan# 11
Delta R.T. -0.000 min
Lab File: VN076869.D
Acq: 07 Mar 2023 14:07

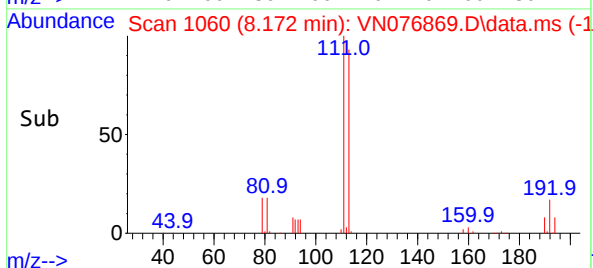
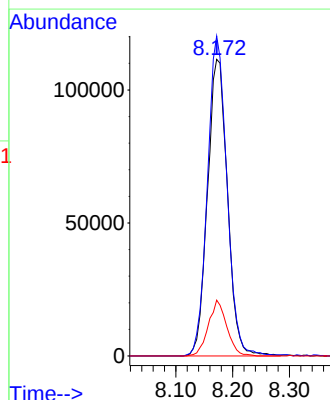
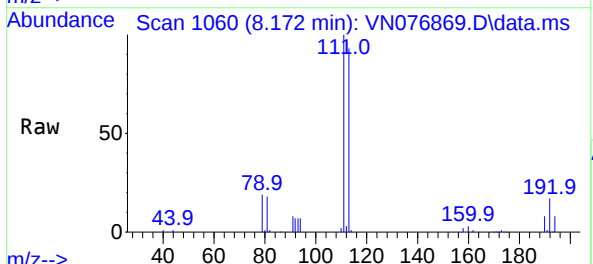
Instrument :
MSVOA_N
ClientSampleId :
IBLK

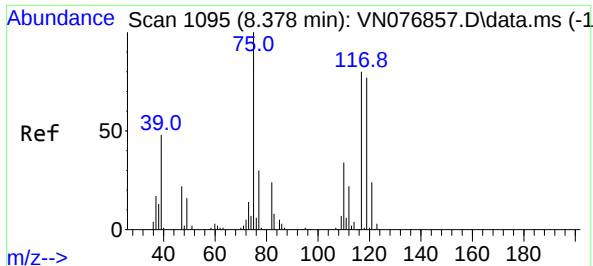
Tgt Ion:114 Resp: 915733
Ion Ratio Lower Upper
114 100
63 22.2 0.0 36.6
88 16.9 0.0 28.6



#35
Dibromofluoromethane
Concen: 47.622 ug/l
RT: 8.172 min Scan# 1060
Delta R.T. -0.000 min
Lab File: VN076869.D
Acq: 07 Mar 2023 14:07

Tgt Ion:113 Resp: 272808
Ion Ratio Lower Upper
113 100
111 105.0 81.8 122.8
192 17.3 13.9 20.9





#36

1,1-Dichloropropene

Concen: 4.989 ug/l

RT: 8.225 min Scan# 1069

Delta R.T. -0.153 min

Lab File: VN076869.D

Acq: 07 Mar 2023 14:07

Instrument :

MSVOA_N

ClientSampleId :

IBLK

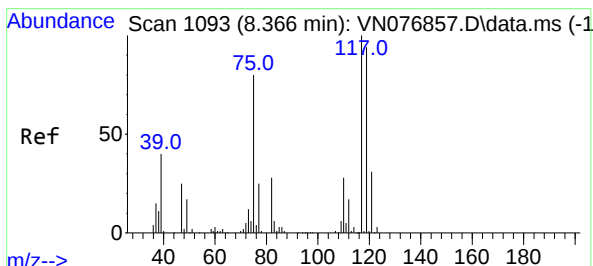
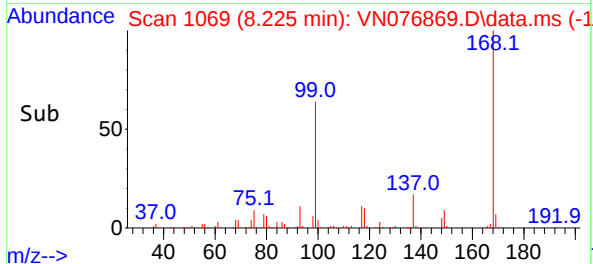
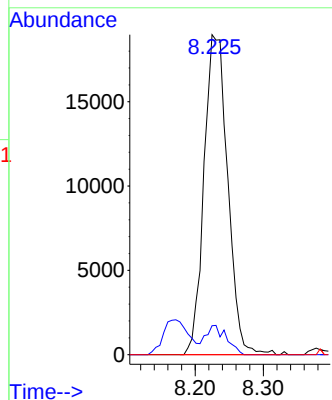
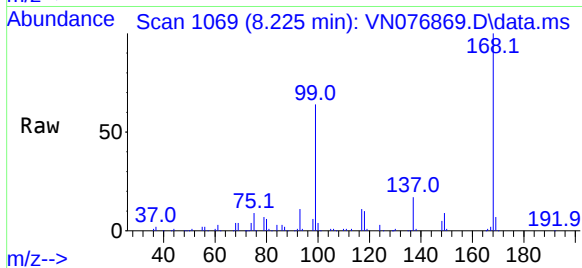
Tgt Ion: 75 Resp: 45933

Ion Ratio Lower Upper

75 100

110 7.9 18.9 56.9#

77 0.0 24.9 37.3#



#38

Carbon Tetrachloride

Concen: 5.990 ug/l

RT: 8.231 min Scan# 1070

Delta R.T. -0.135 min

Lab File: VN076869.D

Acq: 07 Mar 2023 14:07

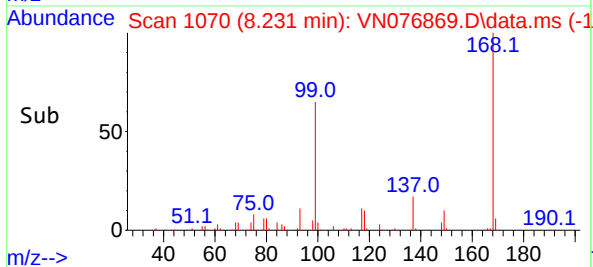
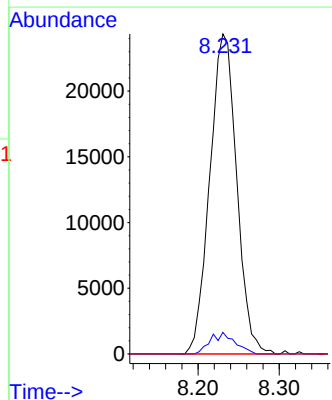
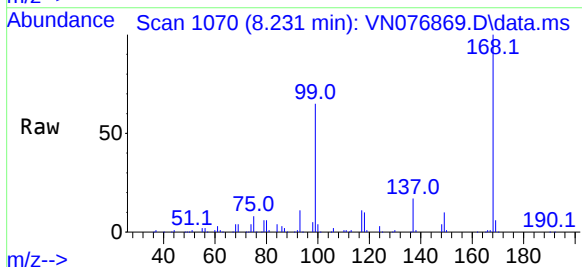
Tgt Ion: 117 Resp: 56025

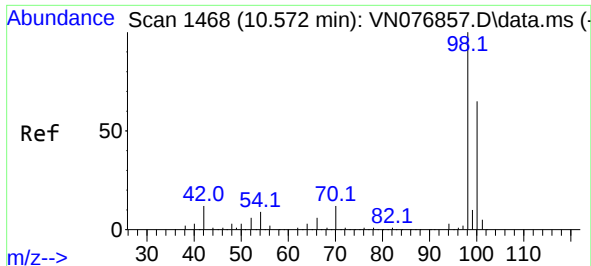
Ion Ratio Lower Upper

117 100

119 6.8 76.9 115.3#

121 0.0 23.2 34.8#

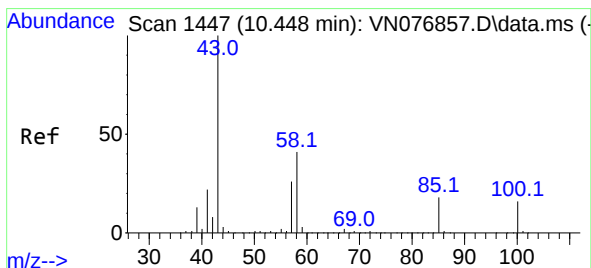
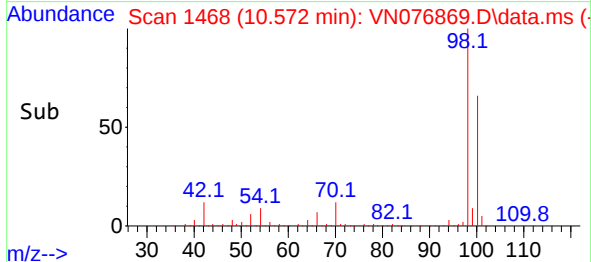
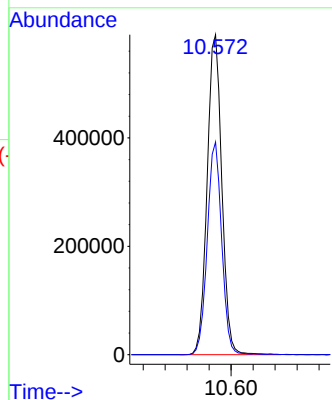
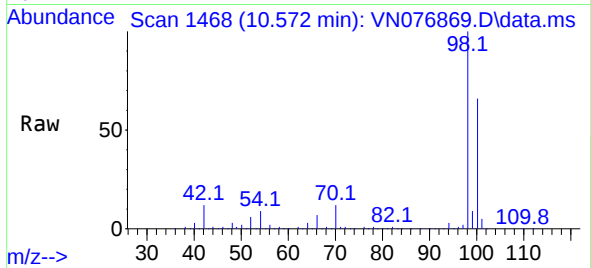




#50
Toluene-d8
Concen: 49.509 ug/l
RT: 10.572 min Scan# 1468
Delta R.T. -0.000 min
Lab File: VN076869.D
Acq: 07 Mar 2023 14:07

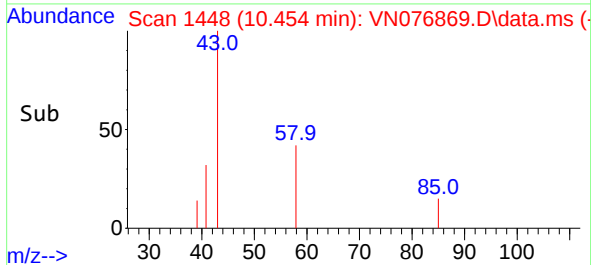
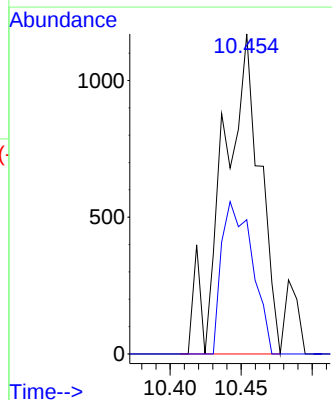
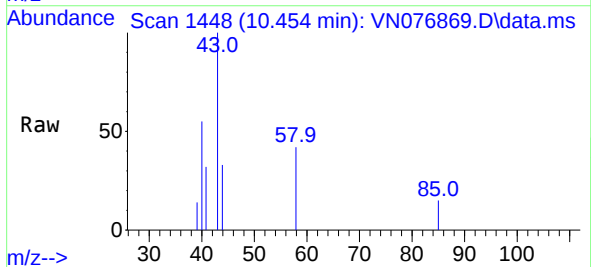
Instrument :
MSVOA_N
ClientSampleId :
IBLK

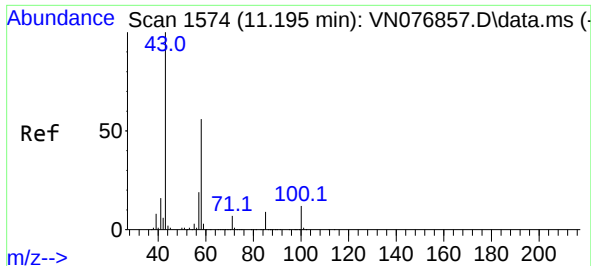
Tgt Ion: 98 Resp: 1092695
Ion Ratio Lower Upper
98 100
100 65.5 52.8 79.2



#51
4-Methyl-2-Pentanone
Concen: 0.230 ug/l
RT: 10.454 min Scan# 1448
Delta R.T. 0.006 min
Lab File: VN076869.D
Acq: 07 Mar 2023 14:07

Tgt Ion: 43 Resp: 2100
Ion Ratio Lower Upper
43 100
58 39.9 37.4 56.0

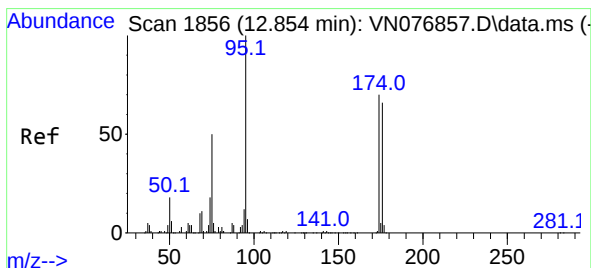
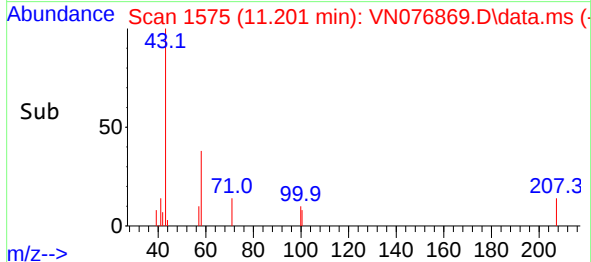
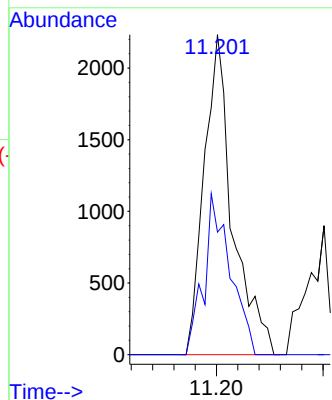
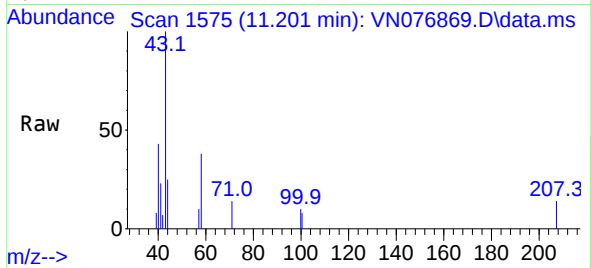




#59
2-Hexanone
Concen: 0.626 ug/l
RT: 11.201 min Scan# 11
Delta R.T. 0.006 min
Lab File: VN076869.D
Acq: 07 Mar 2023 14:07

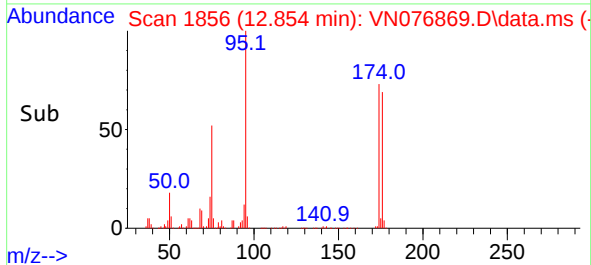
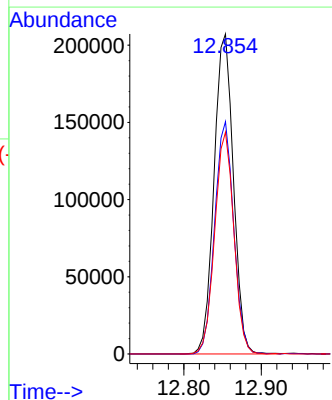
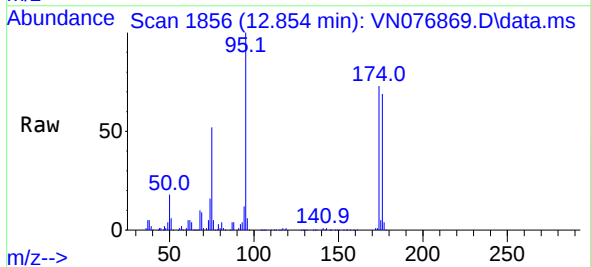
Instrument :
MSVOA_N
ClientSampleId :
IBLK

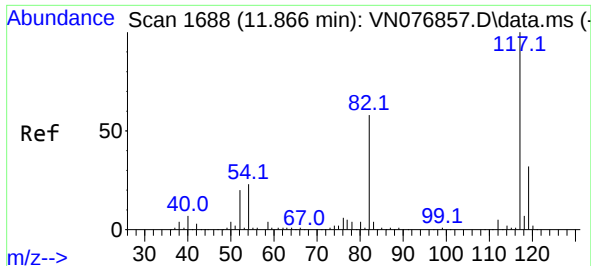
Tgt Ion: 43 Resp: 4142
Ion Ratio Lower Upper
43 100
58 46.7 32.6 98.0



#62
4-Bromofluorobenzene
Concen: 46.929 ug/l
RT: 12.854 min Scan# 1856
Delta R.T. -0.000 min
Lab File: VN076869.D
Acq: 07 Mar 2023 14:07

Tgt Ion: 95 Resp: 358900
Ion Ratio Lower Upper
95 100
174 71.7 0.0 162.4
176 68.4 0.0 157.4

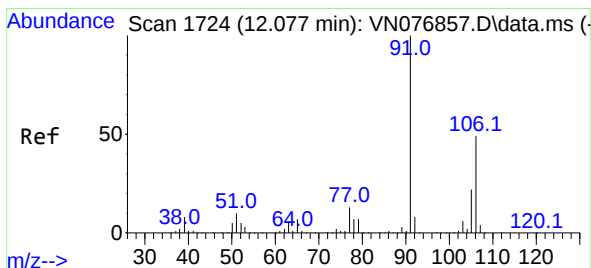
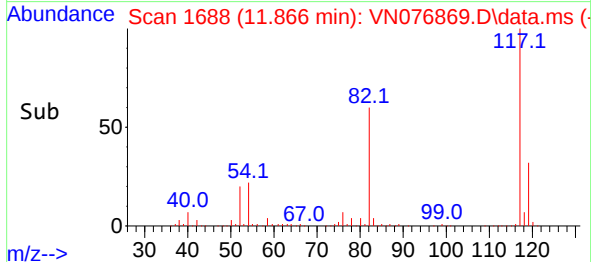
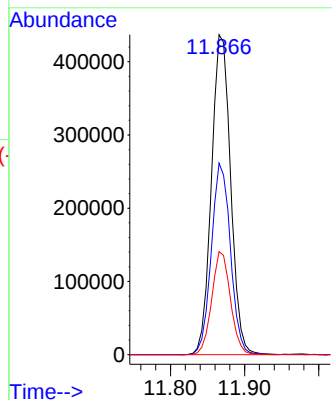
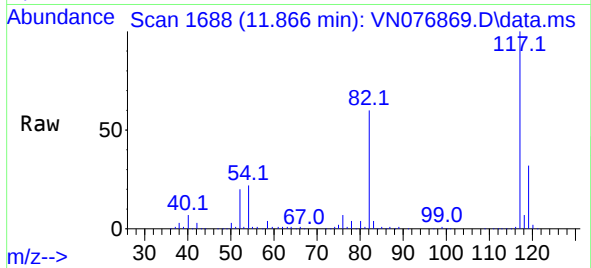




#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 11.866 min Scan# 117
Delta R.T. -0.000 min
Lab File: VN076869.D
Acq: 07 Mar 2023 14:07

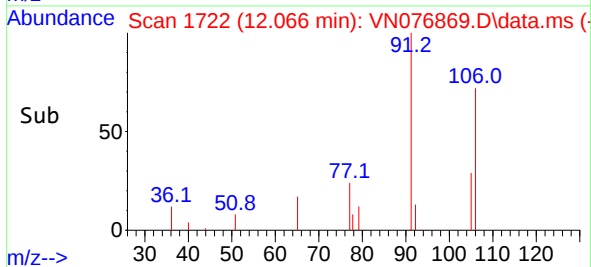
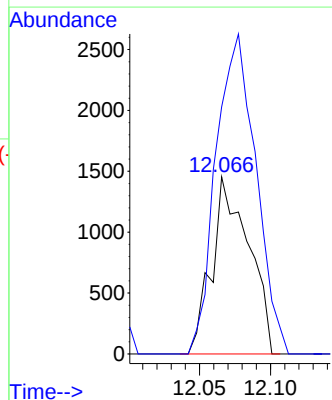
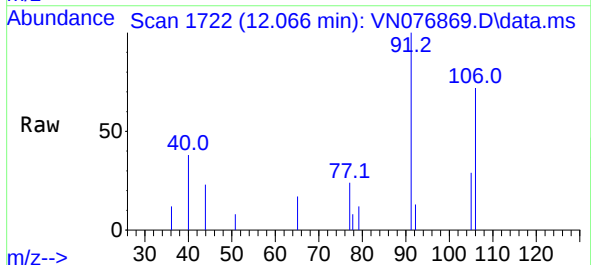
Instrument :
MSVOA_N
ClientSampleId :
IBLK

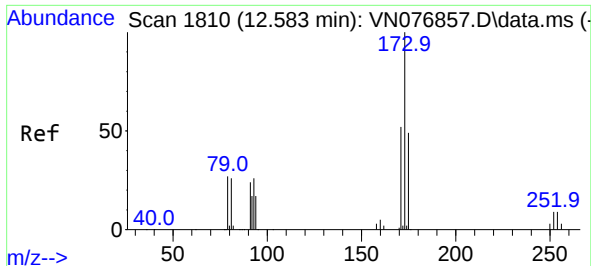
Tgt Ion:117 Resp: 785972
Ion Ratio Lower Upper
117 100
82 59.8 43.5 65.3
119 32.2 25.5 38.3



#68
m/p-Xylenes
Concen: 0.227 ug/l
RT: 12.066 min Scan# 1722
Delta R.T. -0.011 min
Lab File: VN076869.D
Acq: 07 Mar 2023 14:07

Tgt Ion:106 Resp: 2635
Ion Ratio Lower Upper
106 100
91 195.1 158.0 237.0

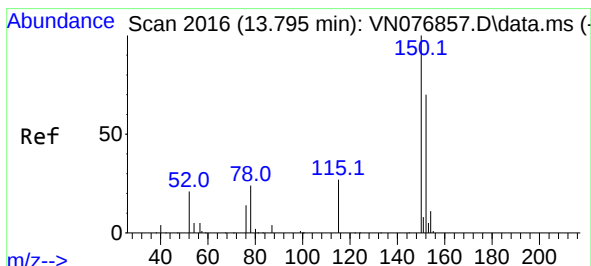
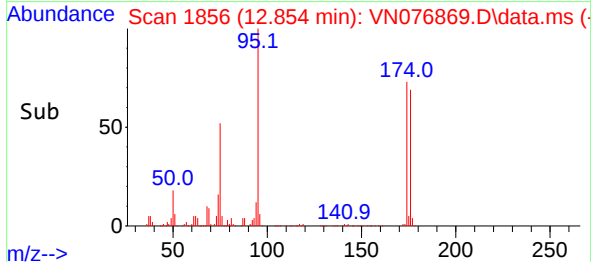
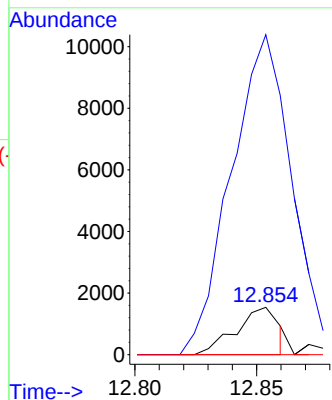
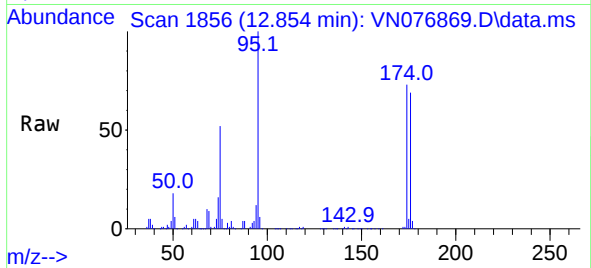




#71
Bromoform
Concen: 0.451 ug/l
RT: 12.854 min Scan# 1810
Delta R.T. 0.271 min
Lab File: VN076869.D
Acq: 07 Mar 2023 14:07

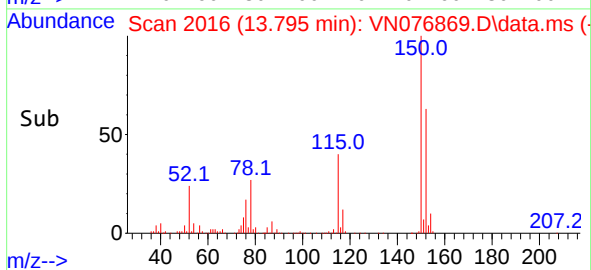
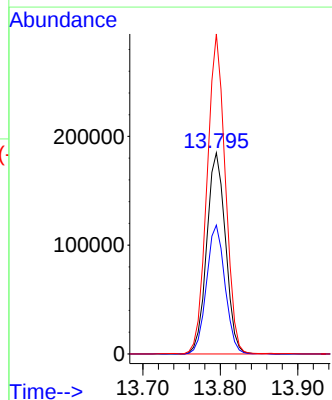
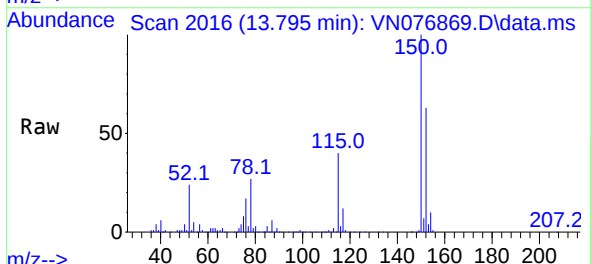
Instrument :
MSVOA_N
ClientSampleId :
IBLK

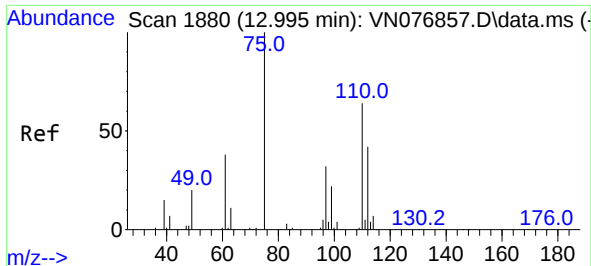
Tgt Ion:173 Resp: 1887
Ion Ratio Lower Upper
173 100
175 787.5 24.9 74.6#
254 0.0 0.0 0.0



#72
1,4-Dichlorobenzene-d4
Concen: 50.000 ug/l
RT: 13.795 min Scan# 2016
Delta R.T. -0.000 min
Lab File: VN076869.D
Acq: 07 Mar 2023 14:07

Tgt Ion:152 Resp: 311443
Ion Ratio Lower Upper
152 100
115 63.1 30.3 90.9
150 154.5 0.0 353.6

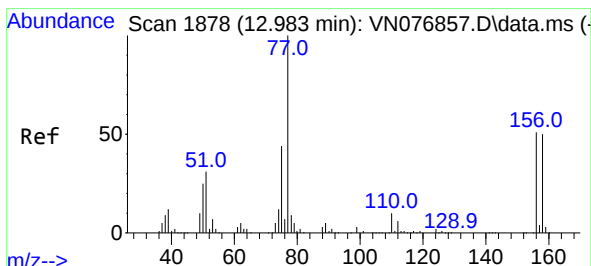
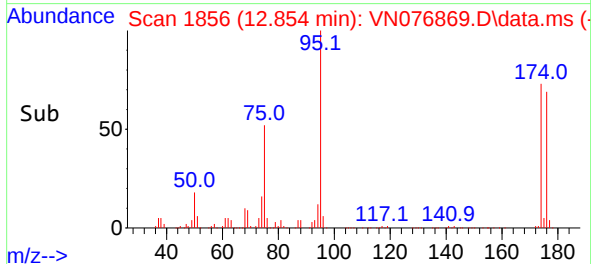
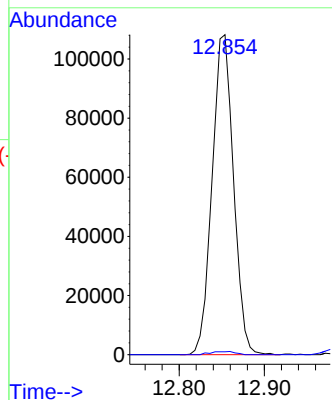
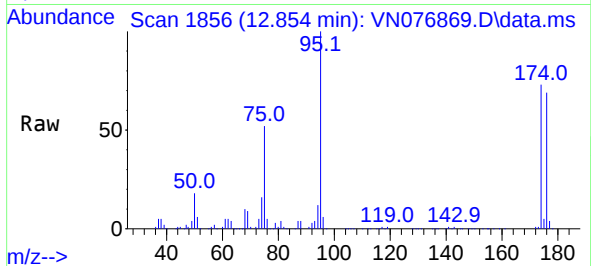




#76
1,2,3-Trichloropropane
Concen: 24.100 ug/l
RT: 12.854 min Scan# 1856
Delta R.T. -0.141 min
Lab File: VN076869.D
Acq: 07 Mar 2023 14:07

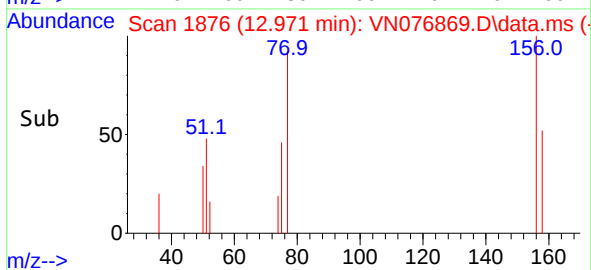
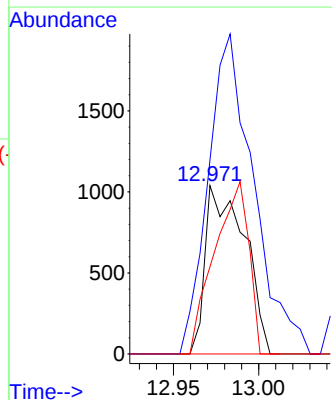
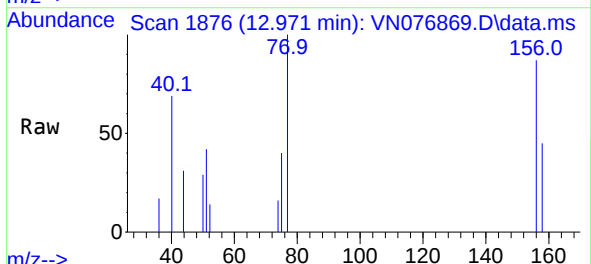
Instrument :
MSVOA_N
ClientSampleId :
IBLK

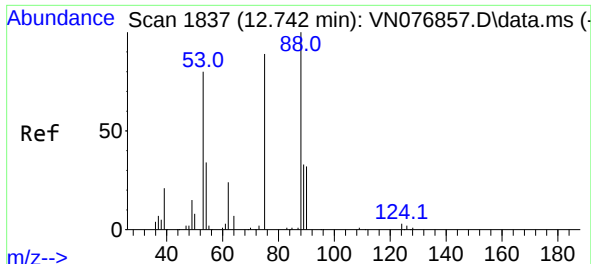
Tgt Ion: 75 Resp: 189290
Ion Ratio Lower Upper
75 100
77 1.1 93.8 281.4#



#77
Bromobenzene
Concen: 0.277 ug/l
RT: 12.971 min Scan# 1876
Delta R.T. -0.012 min
Lab File: VN076869.D
Acq: 07 Mar 2023 14:07

Tgt Ion:156 Resp: 1663
Ion Ratio Lower Upper
156 100
77 220.0 101.3 303.7
158 89.4 48.9 146.7

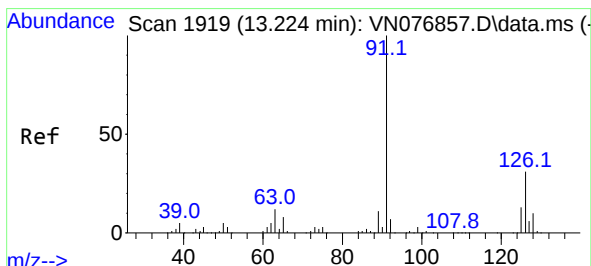
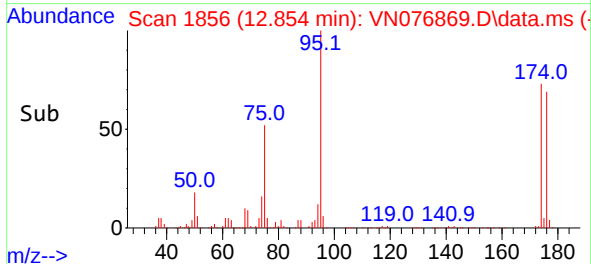
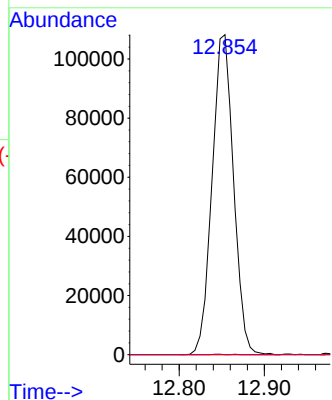
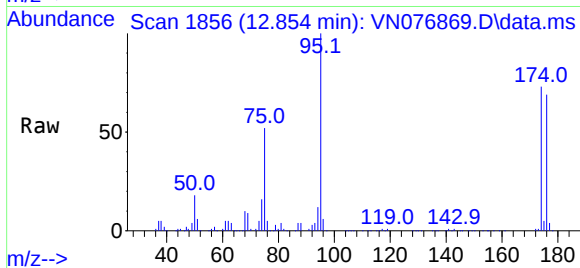




#81
trans-1,4-Dichloro-2-butene
Concen: 79.481 ug/l
RT: 12.854 min Scan# 1856
Delta R.T. 0.112 min
Lab File: VN076869.D
Acq: 07 Mar 2023 14:07

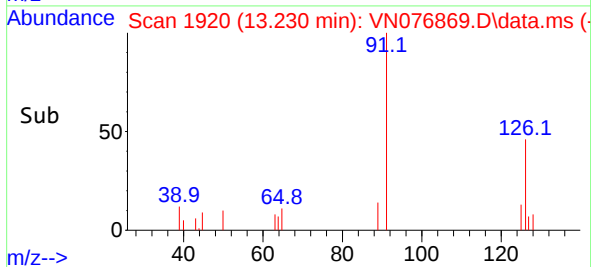
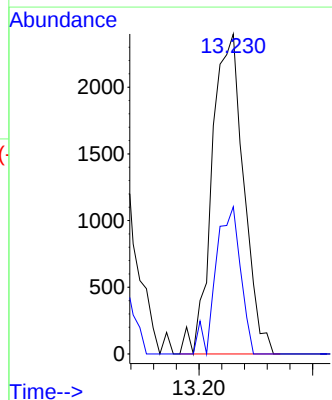
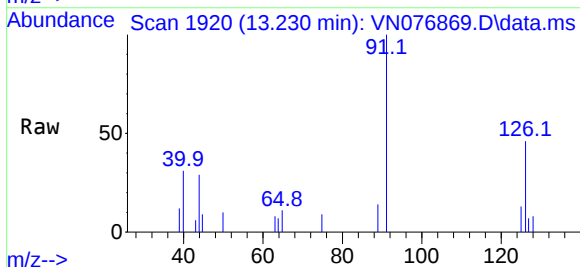
Instrument :
MSVOA_N
ClientSampleId :
IBLK

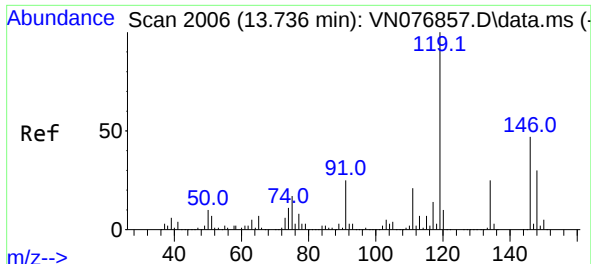
Tgt Ion: 75 Resp: 189290
Ion Ratio Lower Upper
75 100
53 0.1 67.4 101.0#
89 0.0 39.5 59.3#



#82
4-Chlorotoluene
Concen: 0.246 ug/l
RT: 13.230 min Scan# 1920
Delta R.T. 0.006 min
Lab File: VN076869.D
Acq: 07 Mar 2023 14:07

Tgt Ion: 91 Resp: 4638
Ion Ratio Lower Upper
91 100
126 35.8 18.0 54.0





#87

1,3-Dichlorobenzene

Concen: 0.300 ug/l

RT: 13.736 min Scan# 2006

Delta R.T. 0.000 min

Lab File: VN076869.D

Acq: 07 Mar 2023 14:07

Instrument :

MSVOA_N

ClientSampleId :

IBLK

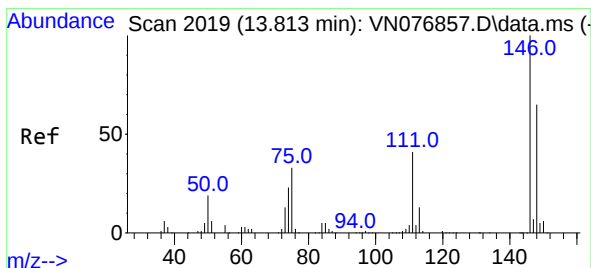
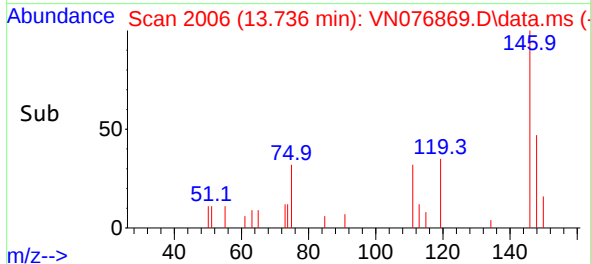
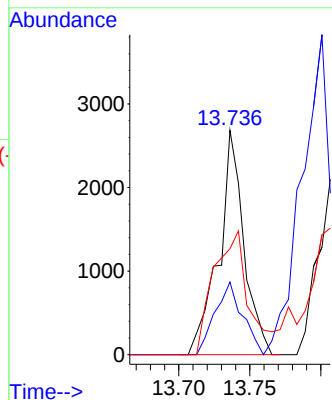
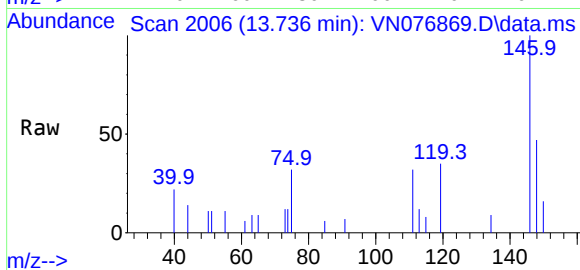
Tgt Ion:146 Resp: 3296

Ion Ratio Lower Upper

146 100

111 35.4 20.4 61.2

148 76.3 31.5 94.5



#88

1,4-Dichlorobenzene

Concen: 0.296 ug/l

RT: 13.736 min Scan# 2006

Delta R.T. -0.077 min

Lab File: VN076869.D

Acq: 07 Mar 2023 14:07

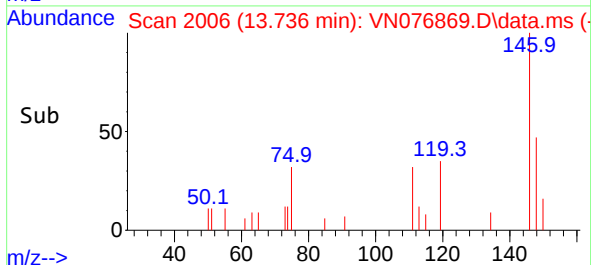
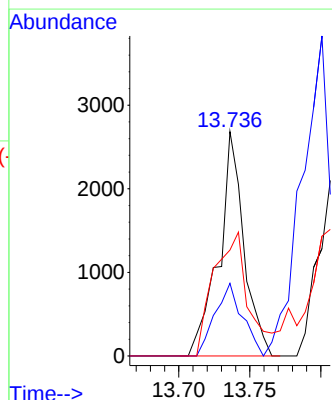
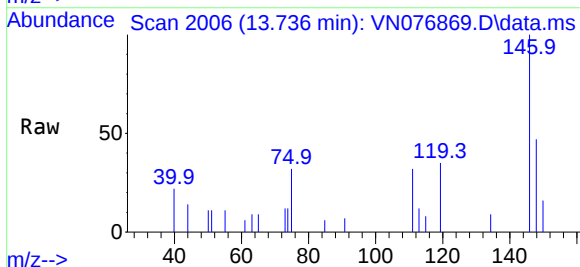
Tgt Ion:146 Resp: 3296

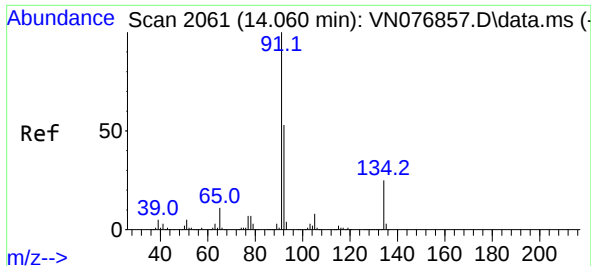
Ion Ratio Lower Upper

146 100

111 35.4 20.0 60.0

148 76.3 31.8 95.4

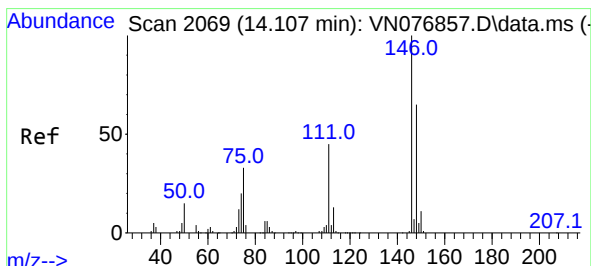
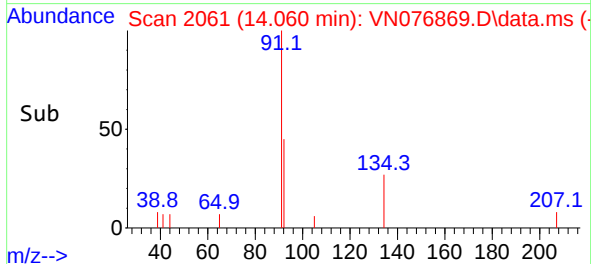
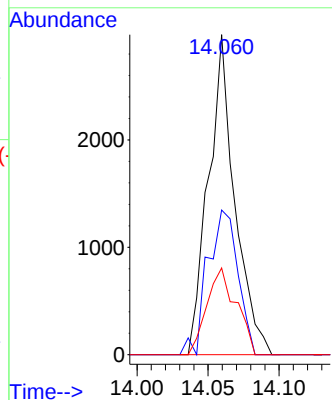
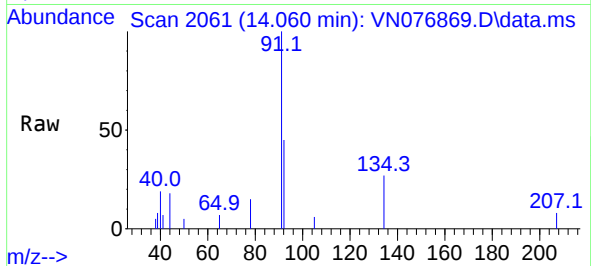




#89
n-Butylbenzene
Concen: 0.205 ug/l
RT: 14.060 min Scan# 2061
Delta R.T. -0.000 min
Lab File: VN076869.D
Acq: 07 Mar 2023 14:07

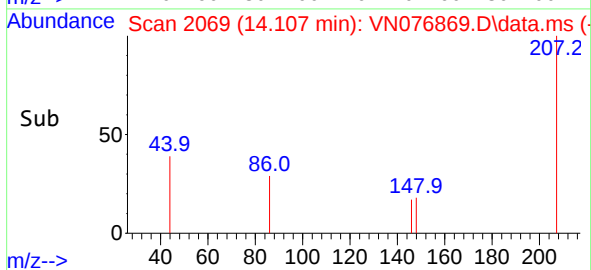
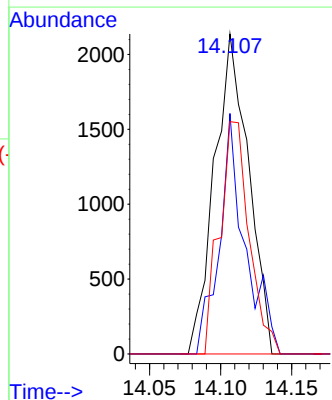
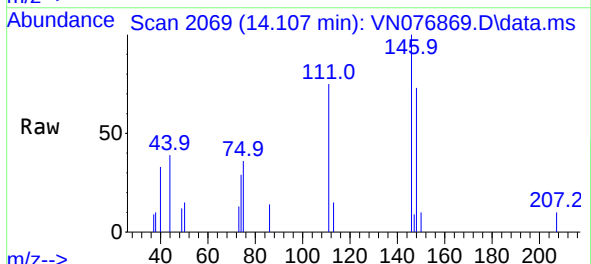
Instrument :
MSVOA_N
ClientSampleId :
IBLK

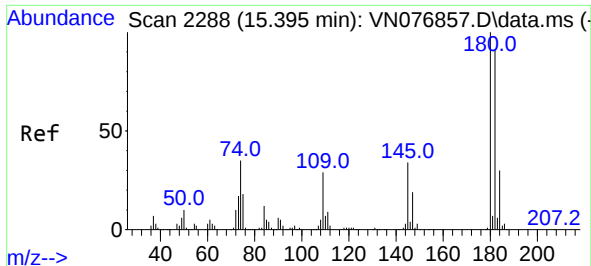
Tgt Ion:	91	Resp:	3854
Ion	Ratio	Lower	Upper
91	100		
92	51.6	26.6	79.7
134	30.1	13.6	40.7



#91
1,2-Dichlorobenzene
Concen: 0.321 ug/l
RT: 14.107 min Scan# 2069
Delta R.T. -0.000 min
Lab File: VN076869.D
Acq: 07 Mar 2023 14:07

Tgt Ion:	146	Resp:	3567
Ion	Ratio	Lower	Upper
146	100		
111	56.7	21.4	64.2
148	63.1	32.0	96.0

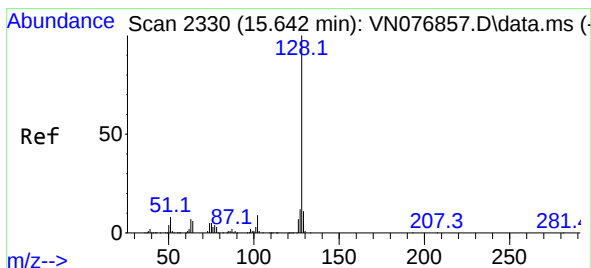
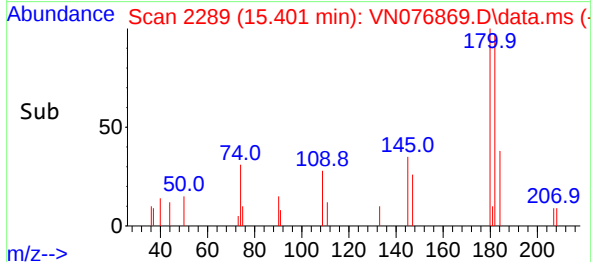
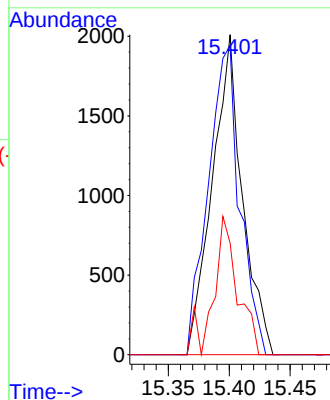
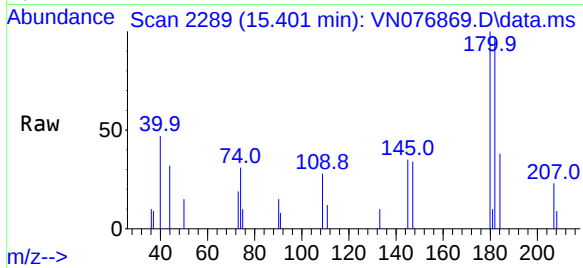




#93
1,2,4-Trichlorobenzene
Concen: 0.622 ug/l
RT: 15.401 min Scan# 21
Delta R.T. 0.006 min
Lab File: VN076869.D
Acq: 07 Mar 2023 14:07

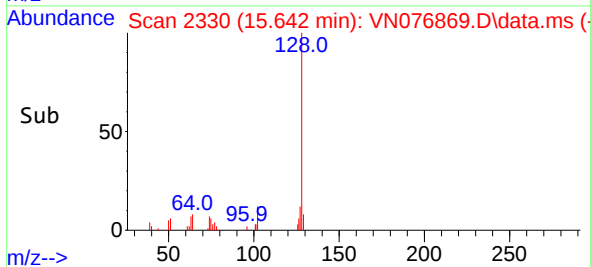
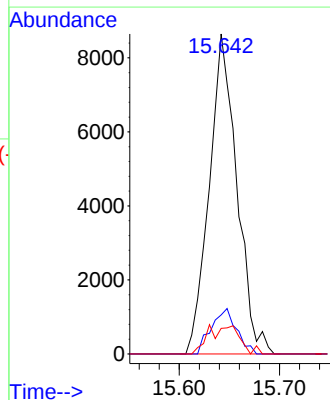
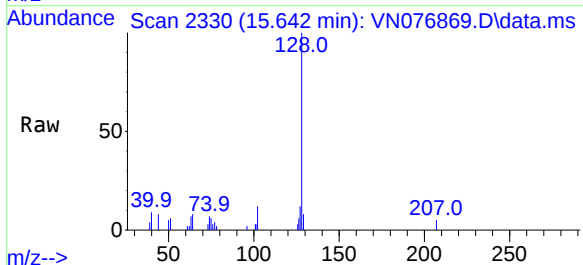
Instrument :
MSVOA_N
ClientSampleId :
IBLK

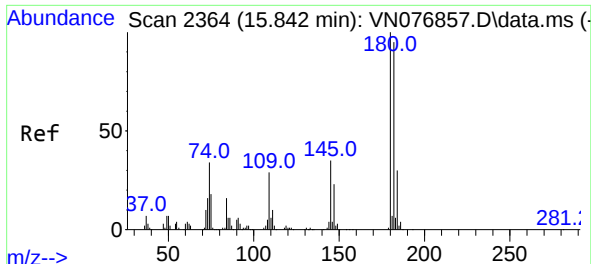
Tgt Ion:180 Resp: 3457
Ion Ratio Lower Upper
180 100
182 101.1 47.4 142.2
145 34.6 15.8 47.3



#95
Naphthalene
Concen: 0.930 ug/l
RT: 15.642 min Scan# 2330
Delta R.T. -0.000 min
Lab File: VN076869.D
Acq: 07 Mar 2023 14:07

Tgt Ion:128 Resp: 16564
Ion Ratio Lower Upper
128 100
127 13.0 10.2 15.4
129 10.1 8.9 13.3





#96

1,2,3-Trichlorobenzene

Concen: 0.703 ug/l

RT: 15.842 min Scan# 21

Delta R.T. -0.000 min

Lab File: VN076869.D

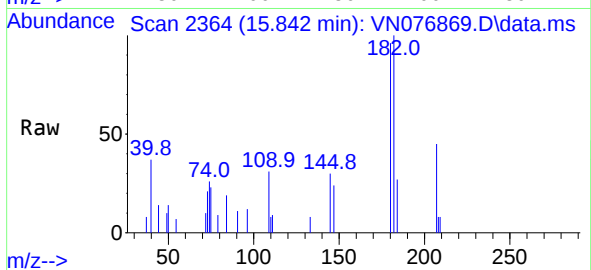
Acq: 07 Mar 2023 14:07

Instrument :

MSVOA_N

ClientSampleId :

IBLK



Tgt Ion:180 Resp: 3841

Ion Ratio Lower Upper

180 100

182 104.1 47.7 143.1

145 39.2 17.0 51.0

