

Data Path : Z:\voasrv\HPCHEM1\MSVOA_N\Data\VN030823\
 Data File : VN076888.D
 Acq On : 08 Mar 2023 19:59
 Operator : JC\MD
 Sample : IBLK
 Misc : 5.0mL/MSVOA_N/WATER
 ALS Vial : 18 Sample Multiplier: 1

Instrument :
 MSVOA_N
 ClientSampleId :
 IBLK

Quant Time: Mar 09 03:48:43 2023
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA_N\methods\624N030823W.M
 Quant Title : METHOD 624 VOLATILE ORGANIC ANALYSIS
 QLast Update : Thu Mar 09 03:46:27 2023
 Response via : Initial Calibration

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

Internal Standards						
1) Bromochloromethane	7.825	128	44655	30.000	ug/l	0.00
28) 1,4-Difluorobenzene	9.107	114	314811	30.000	ug/l	0.00
57) Chlorobenzene-d5	11.866	117	342405	30.000	ug/l	0.00
System Monitoring Compounds						
27) 1,2-Dichloroethane-d4	8.584	65	126762	30.792	ug/l	0.00
Spiked Amount	30.000	Range	91 - 110	Recovery	= 102.633%	
60) 4-Bromofluorobenzene	12.854	95	173772	28.423	ug/l	0.00
Spiked Amount	30.000	Range	63 - 112	Recovery	= 94.733%	
63) Toluene-d8	10.572	98	346908	28.913	ug/l	0.00
Spiked Amount	30.000	Range	91 - 112	Recovery	= 96.367%	
Target Compounds						Qvalue
2) Dichlorodifluoromethane	2.143	85	1374	0.277	ug/l	92
3) Chloromethane	2.378	50	1564	0.274	ug/l	89
4) Vinyl Chloride	2.531	62	1223	0.206	ug/l #	46
5) Bromomethane	2.990	94	2220	0.539	ug/l #	66
11) Methyl Iodide	4.613	142	2864	0.523	ug/l #	70
13) Acrolein	4.190	56	650	0.585	ug/l #	24
14) Acrylonitrile	5.748	53	821	0.298	ug/l #	1
16) Carbon Disulfide	4.737	76	17152	1.350	ug/l #	86
18) Methylene Chloride	5.290	84	1887	0.335	ug/l #	15
19) trans-1,2-Dichloroethene	5.801	96	2461	0.490	ug/l #	62
22) cis-1,2-Dichloroethene	7.507	96	2272	0.398	ug/l #	1
23) tert-Butyl Alcohol	5.537	59	211	0.266	ug/l #	1
29) 1,1-Dichloropropene	8.372	75	3368	0.468	ug/l	82
30) 2-Butanone	7.501	43	1519	0.380	ug/l #	93
37) Trichloroethene	9.354	130	3299	0.614	ug/l	99
38) Methylcyclohexane	9.607	83	1996	0.219	ug/l #	29
40) Dibromomethane	9.707	93	922	0.244	ug/l	69
42) Vinyl Acetate	6.613	43	6015	0.509	ug/l #	77
45) 1,4-Dioxane	9.689	88	93	0.868	ug/l #	1
47) n-amyl Acetate	12.495	43	4246	0.385	ug/l #	84
48) t-1,3-Dichloropropene	10.842	75	2847	0.371	ug/l #	86
49) cis-1,3-Dichloropropene	10.313	75	1968	0.224	ug/l	94
54) 1,2-Dibromoethane	11.472	107	1527	0.287	ug/l #	3
55) 2-Chloroethyl vinyl ether	10.160	63	6648	1.951	ug/l #	86
56) Bromoform	12.577	173	783	0.205	ug/l #	39
58) 4-Methyl-2-Pentanone	10.454	43	4316	0.547	ug/l #	81
59) 2-Hexanone	11.201	43	9372	1.612	ug/l	97
61) Tetrachloroethene	11.113	164	2940	0.648	ug/l #	85
62) Toluene	10.631	91	10202	0.428	ug/l	90
64) Chlorobenzene	11.895	112	11189	0.796	ug/l	90
66) Ethyl Benzene	11.960	91	11738	0.461	ug/l	91
67) m/p-Xylenes	12.072	106	8735	0.888	ug/l	99
68) o-Xylene	12.072	106	8735	0.903	ug/l	90
69) Styrene	12.413	104	8871	0.571	ug/l	94
70) Isopropylbenzene	12.701	105	8629	0.348	ug/l	96
71) 1,1,2,2-Tetrachloroethane	12.942	83	2592	0.326	ug/l #	74
72) 1,2,3-Trichloropropane	12.983	75	4751	0.665	ug/l	59
73) Bromobenzene	12.983	156	5387	0.948	ug/l	89
74) n-propylbenzene	13.042	91	17716	0.599	ug/l	99

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

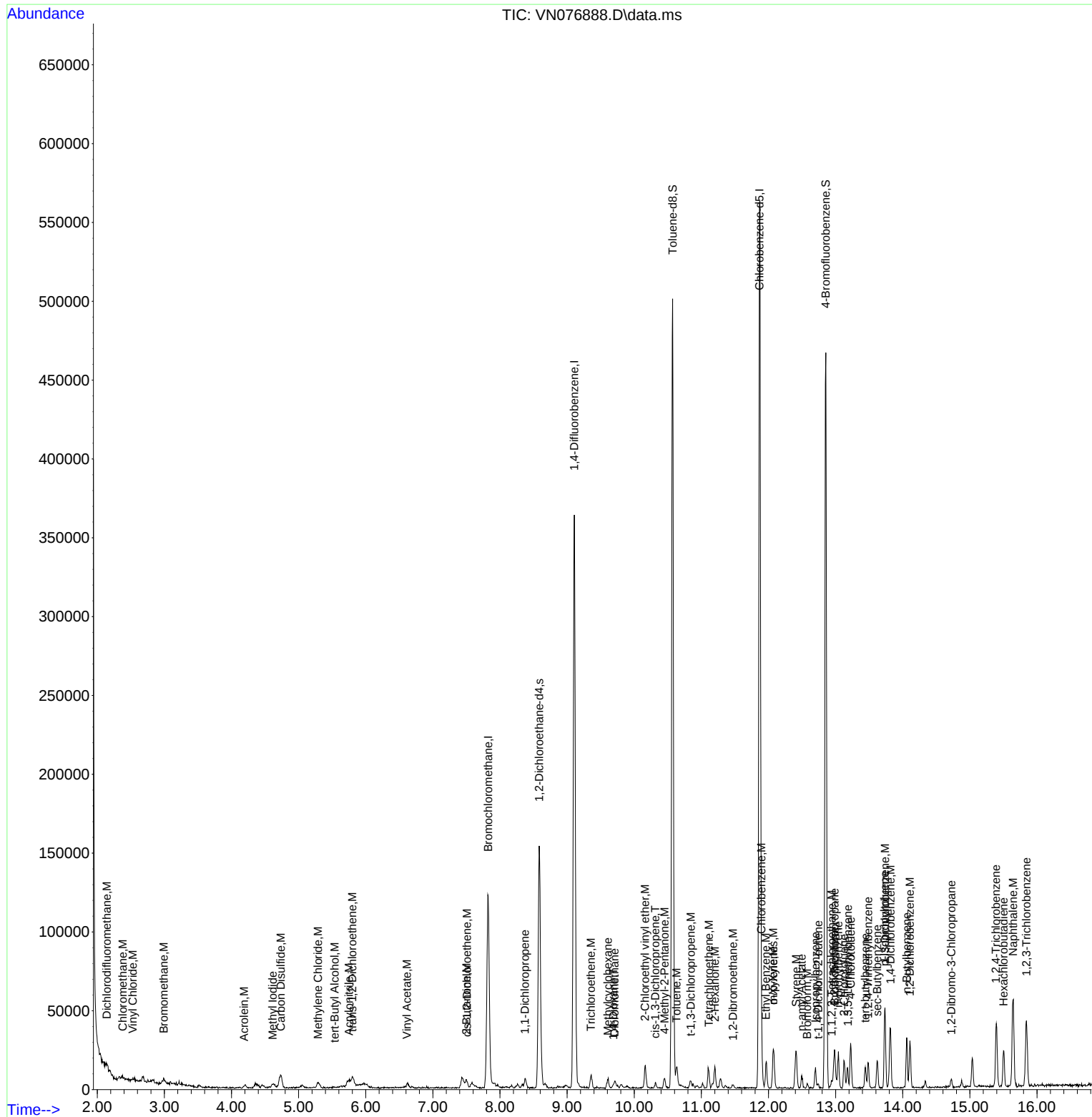
75) 2-Chlorotoluene	13.124	91	12096	0.683	ug/l	91
76) 1,3,5-Trimethylbenzene	13.183	105	8080	0.388	ug/l	85
77) t-1,4-Dichloro-2-butene	12.742	75	659	0.292	ug/l	71
78) 4-Chlorotoluene	13.224	91	17816	1.050	ug/l	91
79) tert-butylbenzene	13.442	119	7060	0.389	ug/l	95
80) 1,2,4-Trimethylbenzene	13.483	105	8745	0.426	ug/l	100
81) sec-Butylbenzene	13.619	105	13062	0.500	ug/l	100
82) p-Isopropyltoluene	13.730	119	10123	0.478	ug/l	95
83) 1,3-Dichlorobenzene	13.736	146	14799	1.370	ug/l	96
84) 1,4-Dichlorobenzene	13.819	146	16583	1.566	ug/l	97
85) n-Butylbenzene	14.060	91	17355	0.963	ug/l	99
87) 1,2-Dichlorobenzene	14.107	146	12143	1.124	ug/l	98
88) 1,2-Dibromo-3-Chloropr...	14.724	75	1263	0.839	ug/l #	74
89) 1,2,4-Trichlorobenzene	15.389	180	13676	2.451	ug/l	95
90) Hexachlorobutadiene	15.501	225	5080	1.864	ug/l	87
91) Naphthalene	15.642	128	54962	3.072	ug/l	98
92) 1,2,3-Trichlorobenzene	15.842	180	15768	2.779	ug/l	91

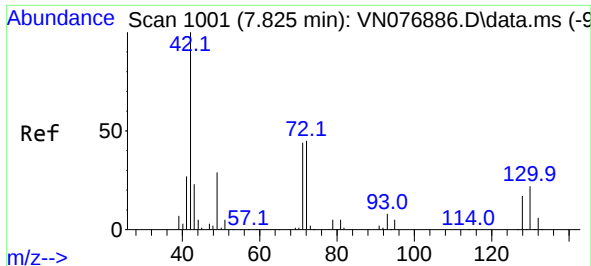
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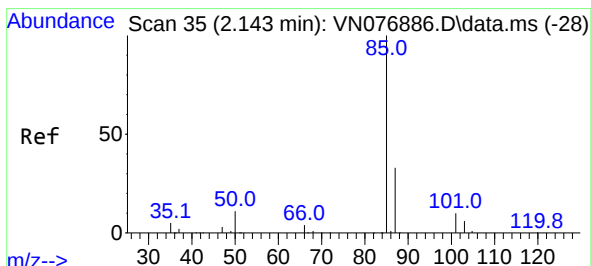
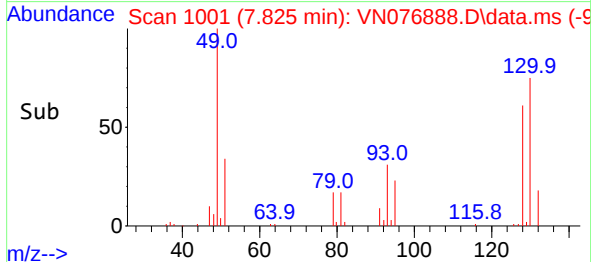
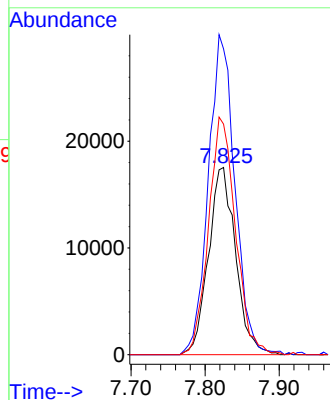
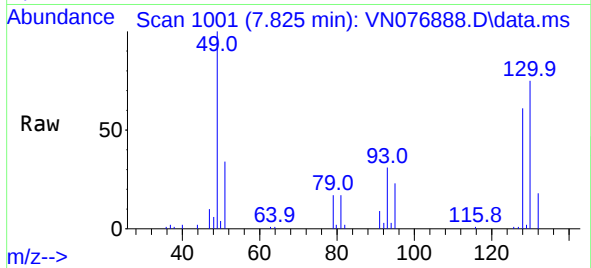




#1
Bromochloromethane
Concen: 30.000 ug/l
RT: 7.825 min Scan# 10
Delta R.T. -0.000 min
Lab File: VN076888.D
Acq: 08 Mar 2023 19:59

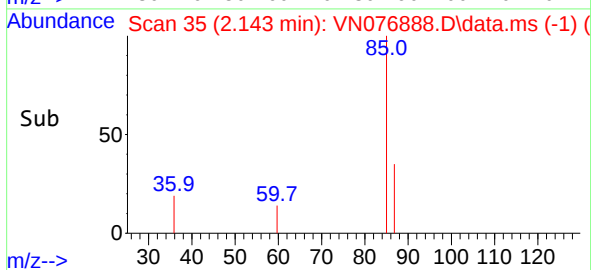
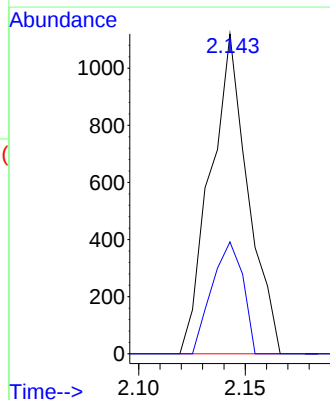
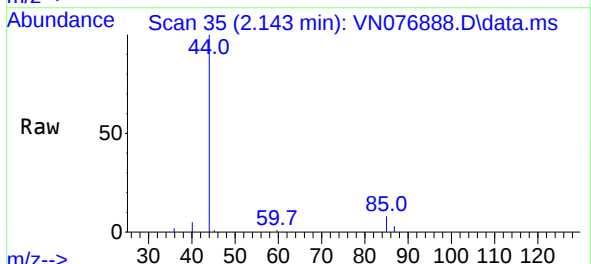
Instrument :
MSVOA_N
ClientSampleId :
IBLK

Tgt Ion:	128	Resp:	44655
Ion	Ratio	Lower	Upper
128	100		
49	167.1	0.0	461.8
130	126.1	0.0	295.3

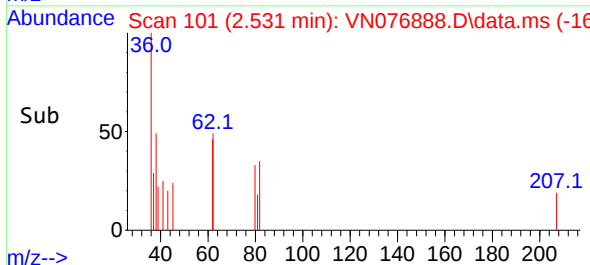
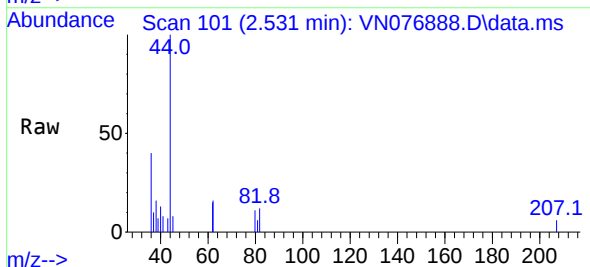
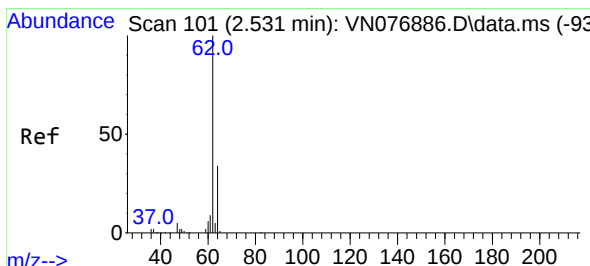
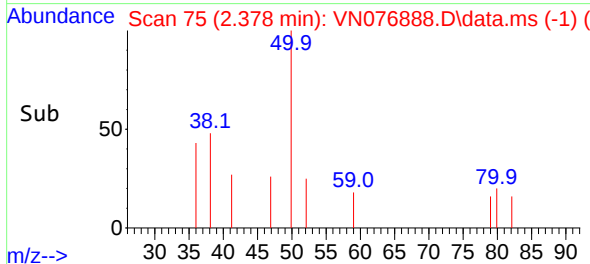
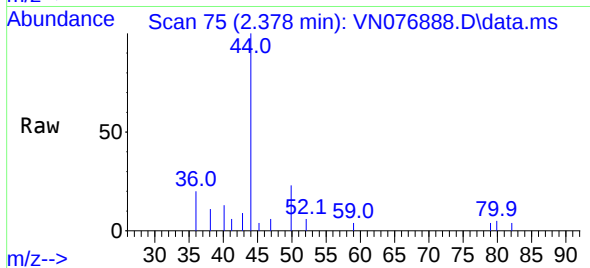
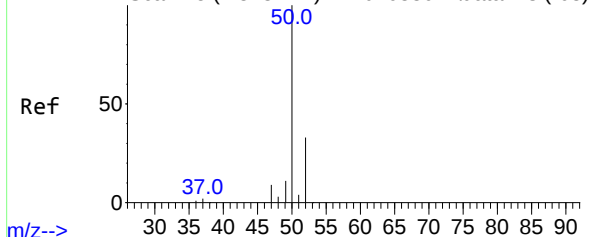


#2
Dichlorodifluoromethane
Concen: 0.277 ug/l
RT: 2.143 min Scan# 35
Delta R.T. 0.000 min
Lab File: VN076888.D
Acq: 08 Mar 2023 19:59

Tgt Ion:	85	Resp:	1374
Ion	Ratio	Lower	Upper
85	100		
87	35.0	15.4	46.1

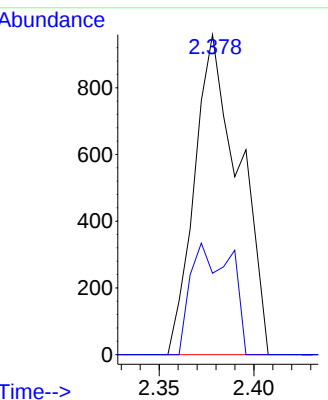


Abundance Scan 75 (2.378 min): VN076886.D\data.ms (-68)



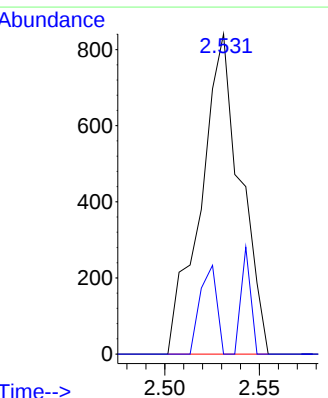
#3
Chloromethane
Concen: 0.274 ug/l
RT: 2.378 min Scan# 75
Delta R.T. 0.000 min
Lab File: VN076888.D
Acq: 08 Mar 2023 19:59

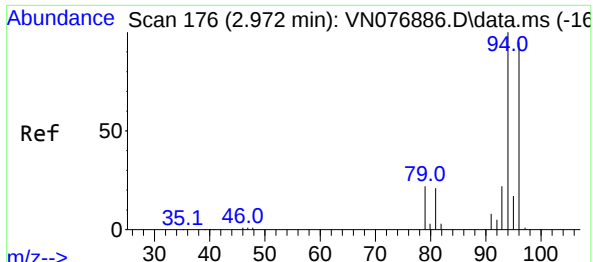
Tgt Ion: 50 Resp: 1564
Ion Ratio Lower Upper
50 100
52 25.4 25.3 37.9



#4
Vinyl Chloride
Concen: 0.206 ug/l
RT: 2.531 min Scan# 101
Delta R.T. 0.000 min
Lab File: VN076888.D
Acq: 08 Mar 2023 19:59

Tgt Ion: 62 Resp: 1223
Ion Ratio Lower Upper
62 100
64 0.0 23.1 34.7#

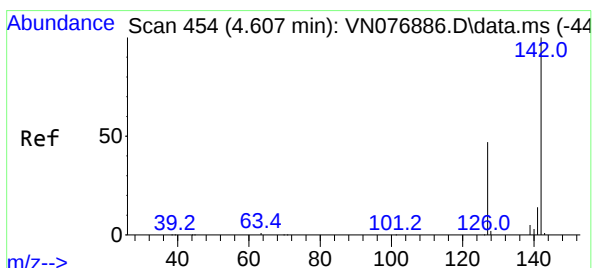
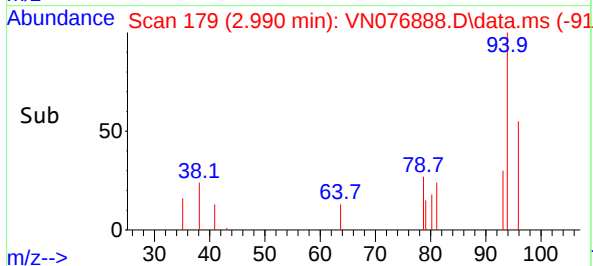
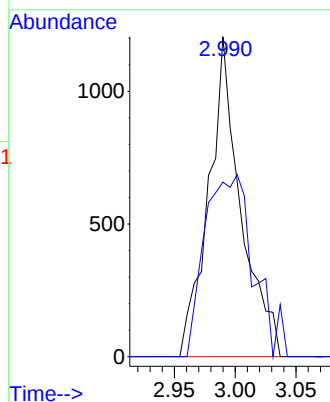
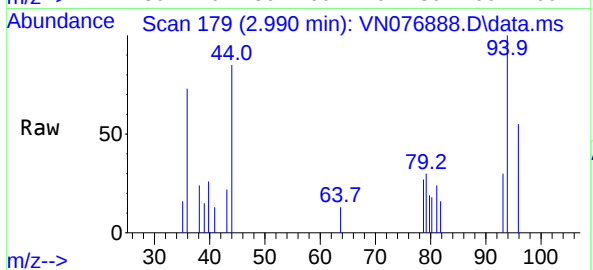




#5
Bromomethane
Concen: 0.539 ug/l
RT: 2.990 min Scan# 11
Delta R.T. 0.018 min
Lab File: VN076888.D
Acq: 08 Mar 2023 19:59

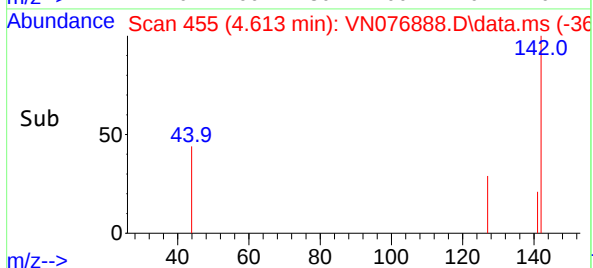
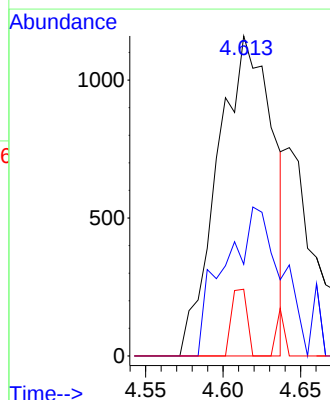
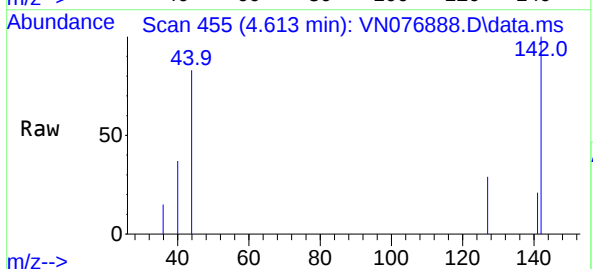
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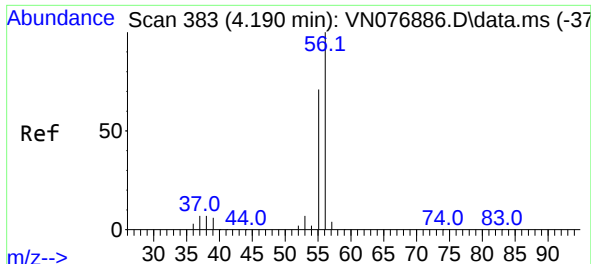
Tgt Ion: 94 Resp: 2220
Ion Ratio Lower Upper
94 100
96 54.6 68.6 103.0#



#11
Methyl Iodide
Concen: 0.523 ug/l
RT: 4.613 min Scan# 455
Delta R.T. 0.006 min
Lab File: VN076888.D
Acq: 08 Mar 2023 19:59

Tgt Ion: 142 Resp: 2864
Ion Ratio Lower Upper
142 100
127 24.6 25.0 75.0#
141 19.7 8.0 24.0

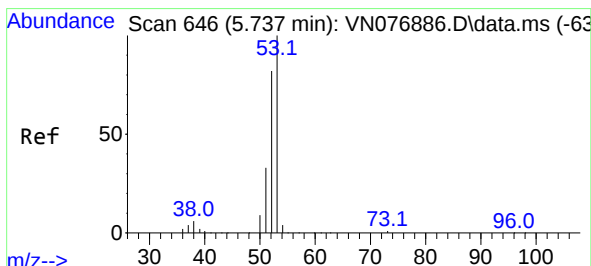
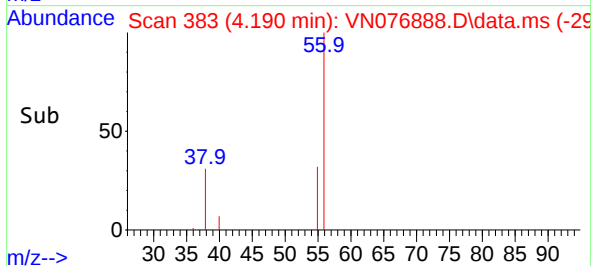
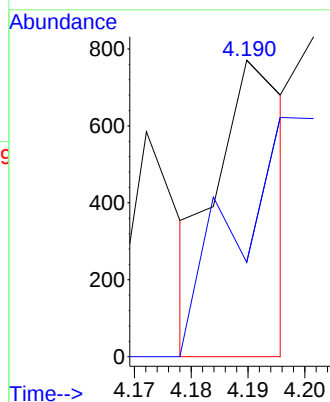
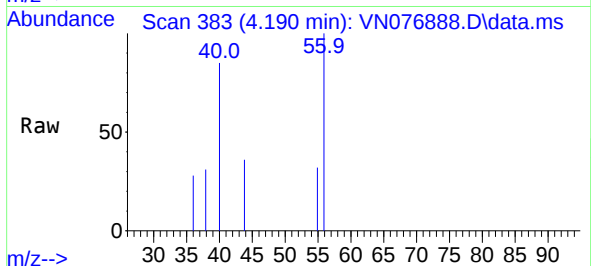




#13
Acrolein
Concen: 0.585 ug/l
RT: 4.190 min Scan# 383
Delta R.T. 0.000 min
Lab File: VN076888.D
Acq: 08 Mar 2023 19:59

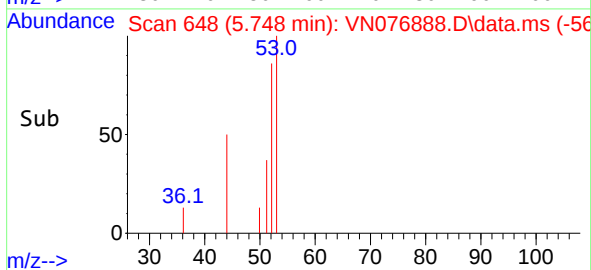
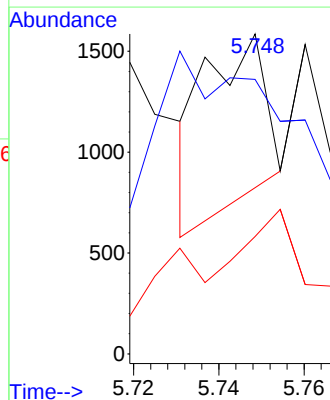
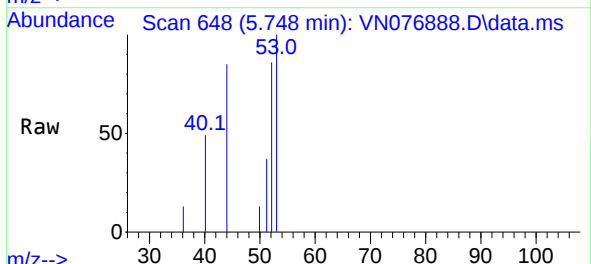
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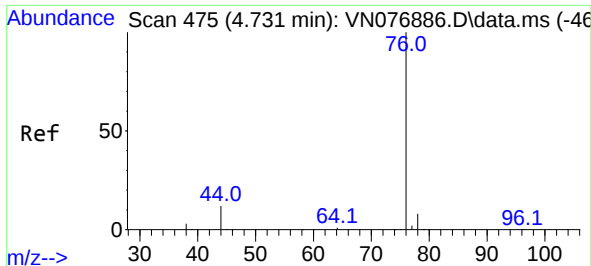
Tgt Ion: 56 Resp: 650
Ion Ratio Lower Upper
56 100
55 130.5 55.0 82.4#



#14
Acrylonitrile
Concen: 0.298 ug/l
RT: 5.748 min Scan# 648
Delta R.T. 0.012 min
Lab File: VN076888.D
Acq: 08 Mar 2023 19:59

Tgt Ion: 53 Resp: 821
Ion Ratio Lower Upper
53 100
52 0.0 41.5 124.6#
51 104.8 17.6 52.8#

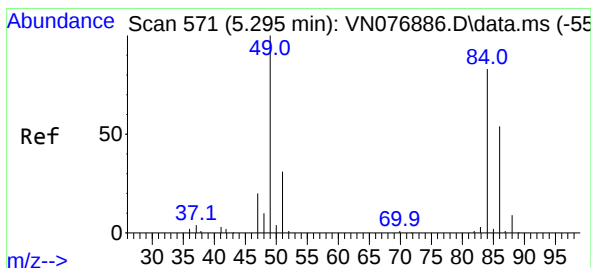
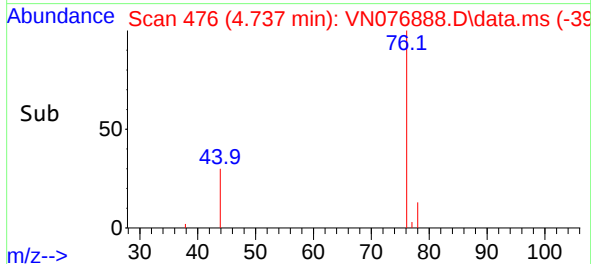
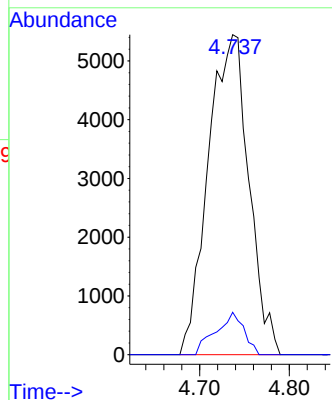
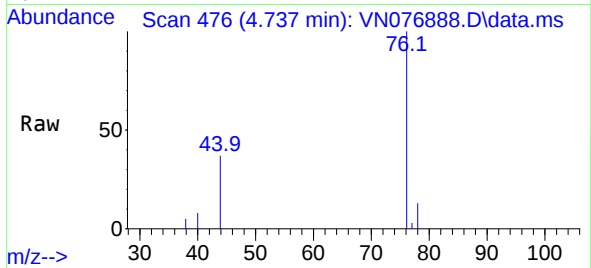




#16
Carbon Disulfide
Concen: 1.350 ug/l
RT: 4.737 min Scan# 41
Delta R.T. 0.006 min
Lab File: VN076888.D
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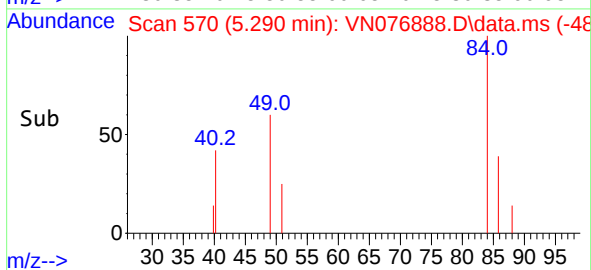
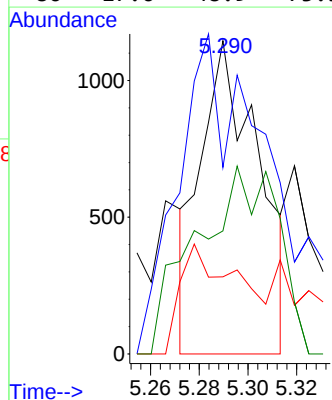
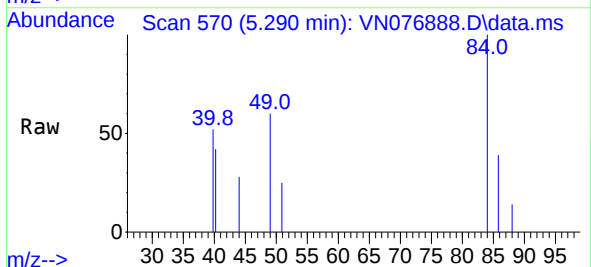
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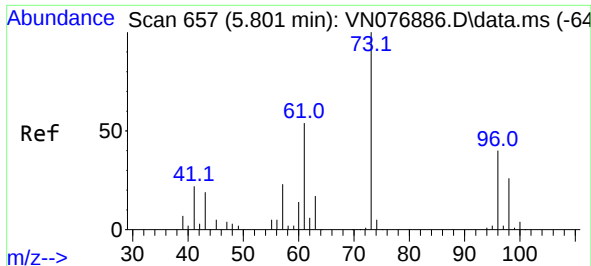
Tgt Ion: 76 Resp: 17152
Ion Ratio Lower Upper
76 100
78 13.2 6.6 9.8#



#18
Methylene Chloride
Concen: 0.335 ug/l
RT: 5.290 min Scan# 570
Delta R.T. -0.006 min
Lab File: VN076888.D
Acq: 08 Mar 2023 19:59

Tgt Ion: 84 Resp: 1887
Ion Ratio Lower Upper
84 100
49 14.6 113.8 170.6#
51 2.8 34.2 51.4#
86 17.6 48.9 73.3#





#19

trans-1,2-Dichloroethene

Concen: 0.490 ug/l

RT: 5.801 min Scan# 61

Delta R.T. 0.000 min

Lab File: VN076888.D

Acq: 08 Mar 2023 19:59

Instrument :

MSVOA_N

ClientSampleId :

IBLK

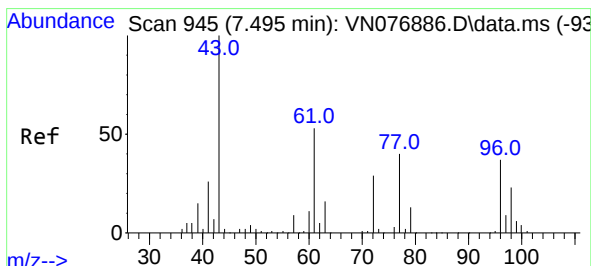
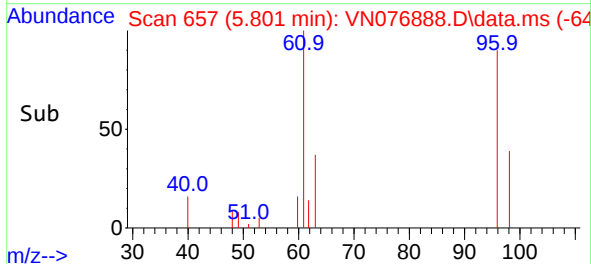
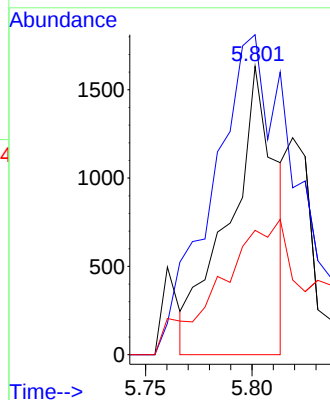
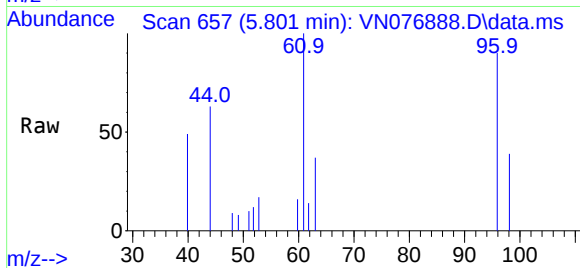
Tgt Ion: 96 Resp: 2461

Ion Ratio Lower Upper

96 100

61 92.8 111.0 166.4#

98 37.0 55.0 82.6#



#22

cis-1,2-Dichloroethene

Concen: 0.398 ug/l

RT: 7.507 min Scan# 947

Delta R.T. 0.012 min

Lab File: VN076888.D

Acq: 08 Mar 2023 19:59

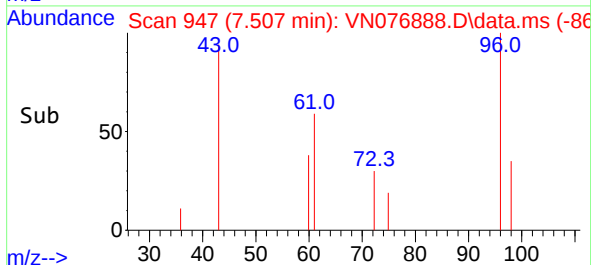
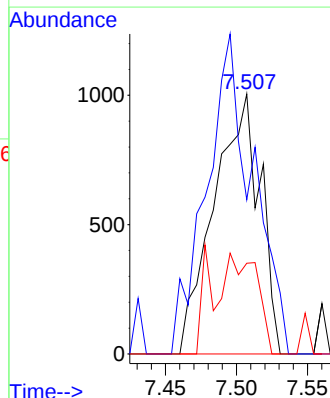
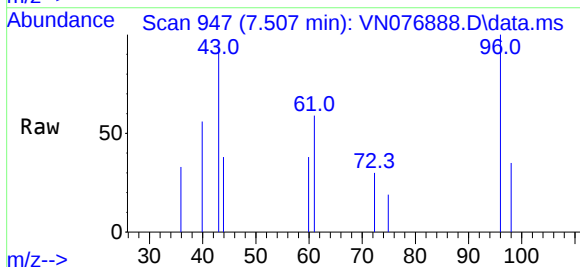
Tgt Ion: 96 Resp: 2272

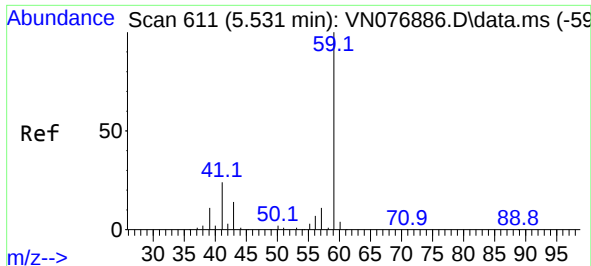
Ion Ratio Lower Upper

96 100

61 0.0 121.0 181.4#

98 13.7 50.1 75.1#

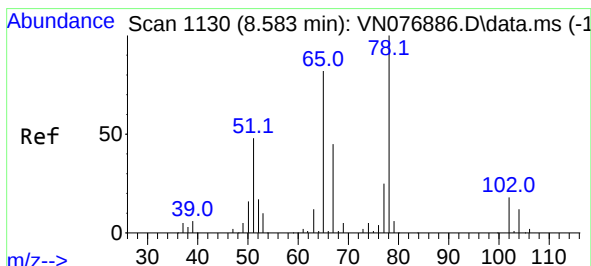
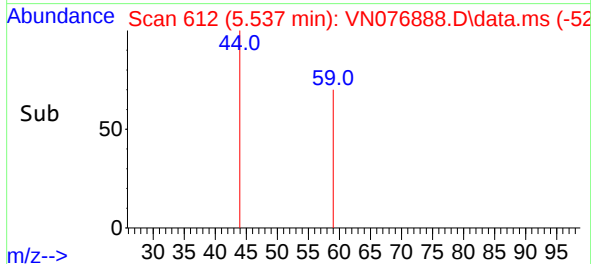
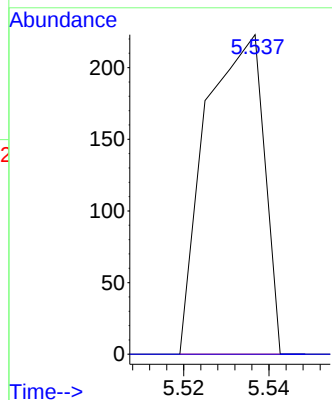
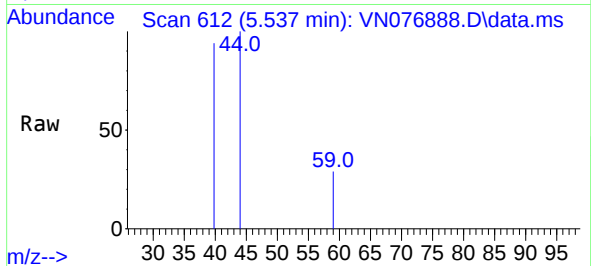




#23
tert-Butyl Alcohol
Concen: 0.266 ug/l
RT: 5.537 min Scan# 611
Delta R.T. 0.006 min
Lab File: VN076888.D
Acq: 08 Mar 2023 19:59

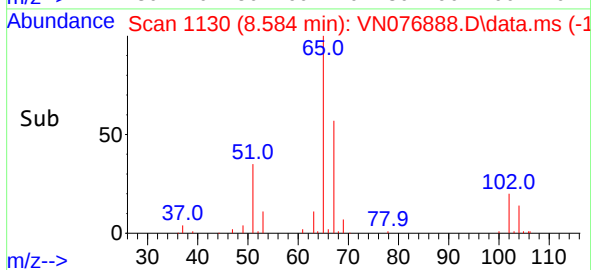
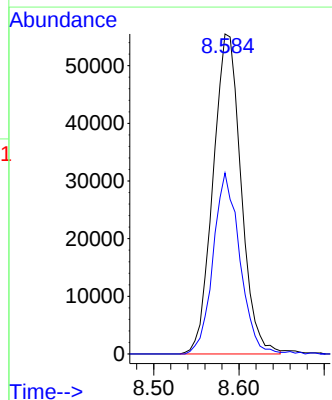
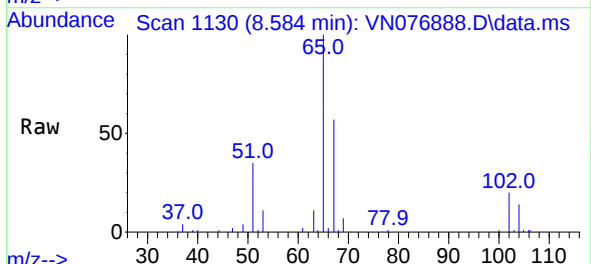
Instrument :
MSVOA_N
ClientSampleId :
IBLK

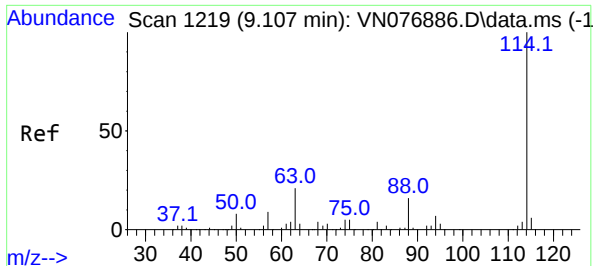
Tgt Ion: 59 Resp: 211
Ion Ratio Lower Upper
59 100
52 937.9 0.2 0.2#



#27
1,2-Dichloroethane-d4
Concen: 30.792 ug/l
RT: 8.584 min Scan# 1130
Delta R.T. 0.000 min
Lab File: VN076888.D
Acq: 08 Mar 2023 19:59

Tgt Ion: 65 Resp: 126762
Ion Ratio Lower Upper
65 100
67 53.6 40.9 61.3

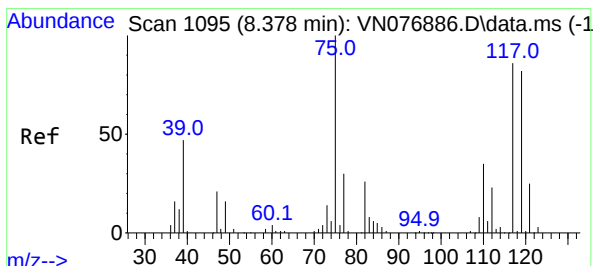
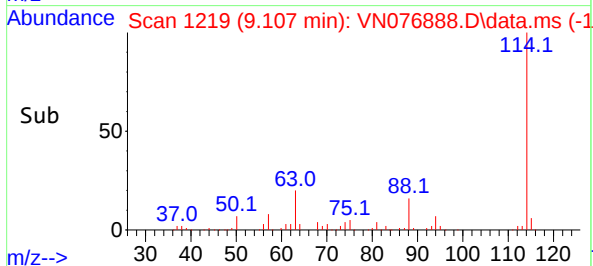
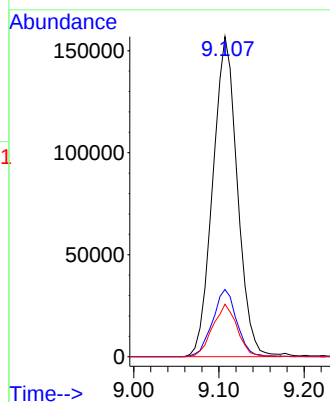
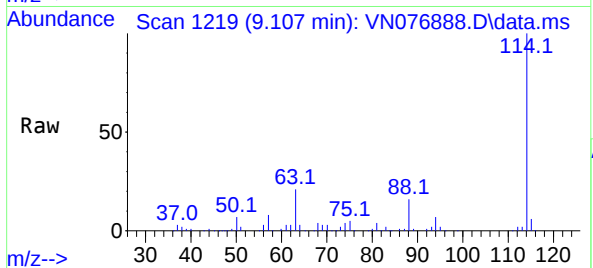




#28
1,4-Difluorobenzene
Concen: 30.000 ug/l
RT: 9.107 min Scan# 11
Delta R.T. 0.000 min
Lab File: VN076888.D
Acq: 08 Mar 2023 19:59

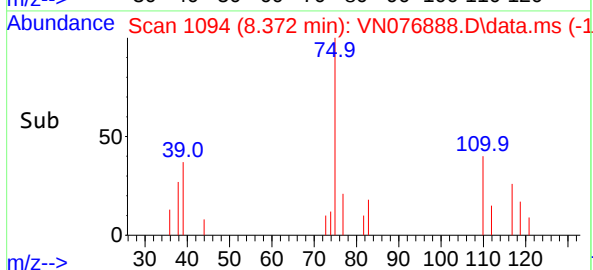
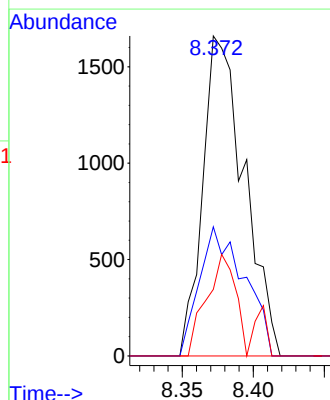
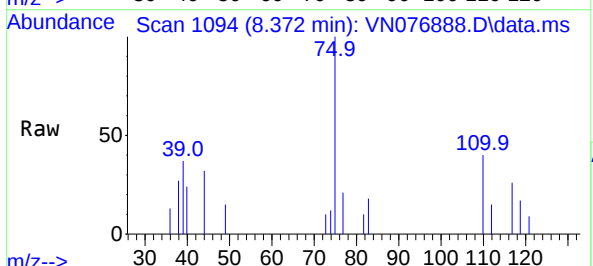
Instrument :
MSVOA_N
ClientSampleId :
IBLK

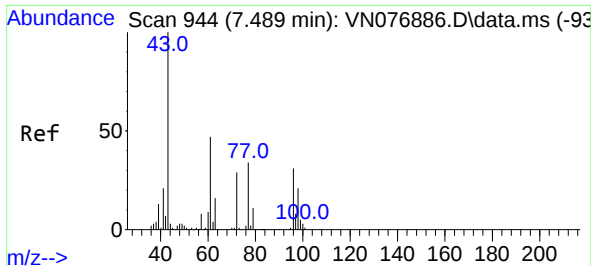
Tgt Ion:114 Resp: 314811
Ion Ratio Lower Upper
114 100
63 20.7 17.0 25.4
88 16.2 11.6 17.4



#29
1,1-Dichloropropene
Concen: 0.468 ug/l
RT: 8.372 min Scan# 1094
Delta R.T. -0.006 min
Lab File: VN076888.D
Acq: 08 Mar 2023 19:59

Tgt Ion: 75 Resp: 3368
Ion Ratio Lower Upper
75 100
110 43.6 0.0 67.2
77 22.2 0.0 64.4

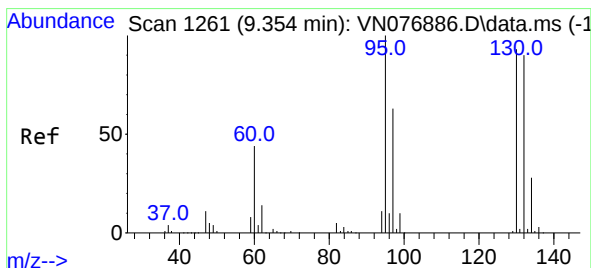
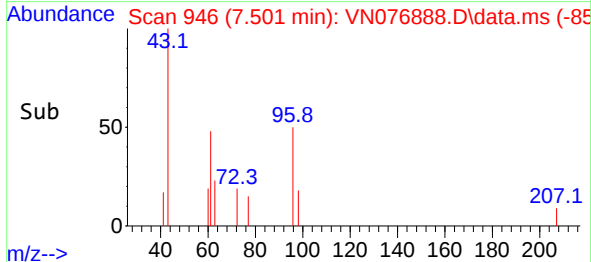
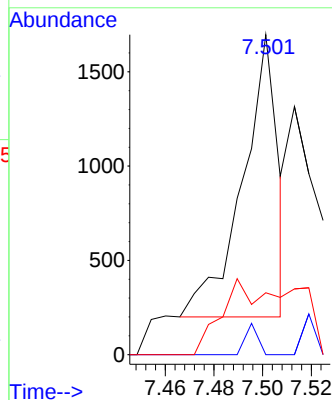
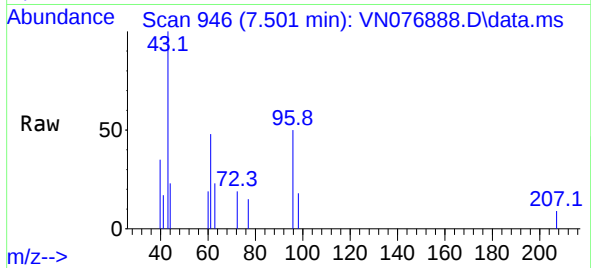




#30
2-Butanone
Concen: 0.380 ug/l
RT: 7.501 min Scan# 944
Delta R.T. 0.012 min
Lab File: VN076888.D
Acq: 08 Mar 2023 19:59

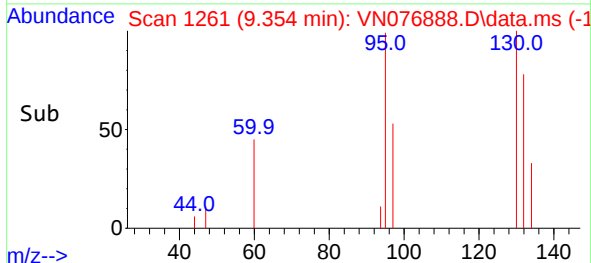
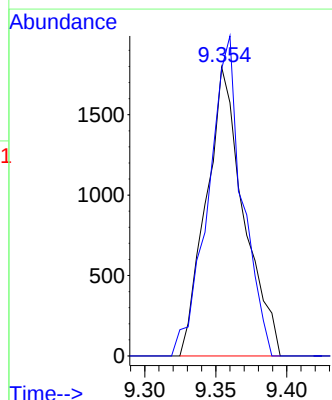
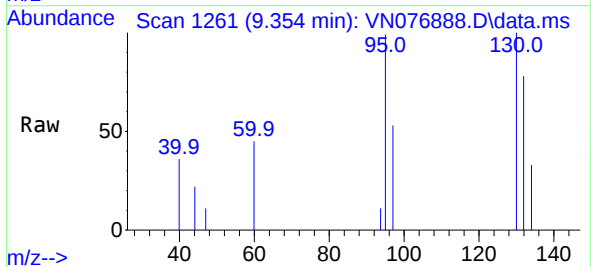
Instrument :
MSVOA_N
ClientSampleId :
IBLK

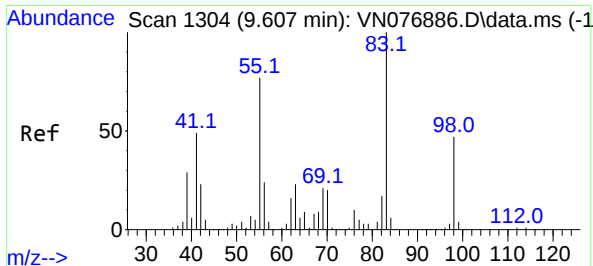
Tgt Ion: 43 Resp: 1519
Ion Ratio Lower Upper
43 100
57 0.0 6.1 9.1#
72 23.9 20.2 30.4



#37
Trichloroethene
Concen: 0.614 ug/l
RT: 9.354 min Scan# 1261
Delta R.T. 0.000 min
Lab File: VN076888.D
Acq: 08 Mar 2023 19:59

Tgt Ion:130 Resp: 3299
Ion Ratio Lower Upper
130 100
95 99.4 78.7 118.1

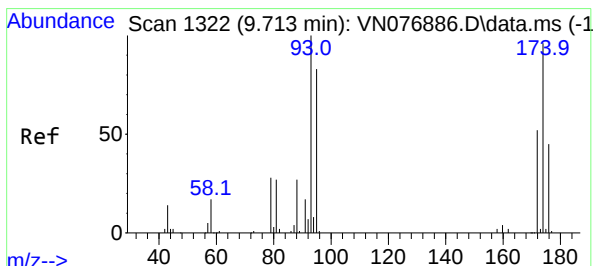
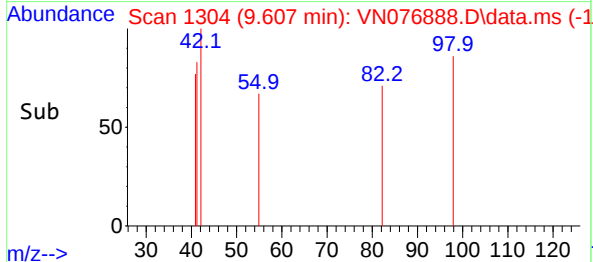
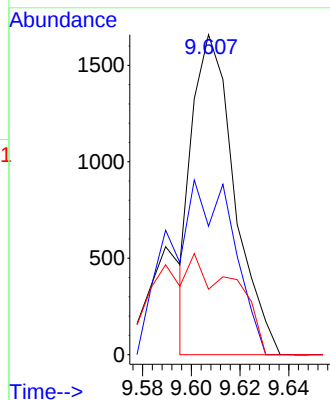
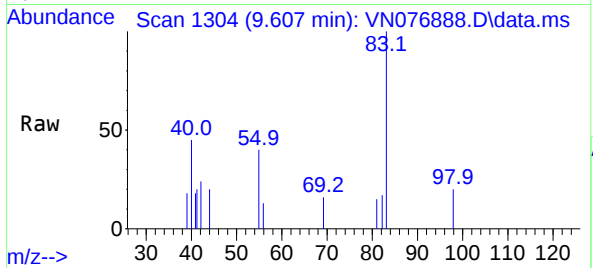




#38
Methylcyclohexane
Concen: 0.219 ug/l
RT: 9.607 min Scan# 11
Delta R.T. 0.000 min
Lab File: VN076888.D
Acq: 08 Mar 2023 19:59

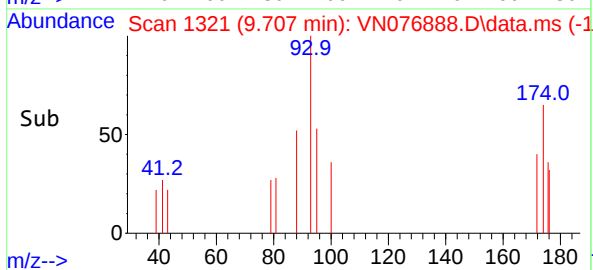
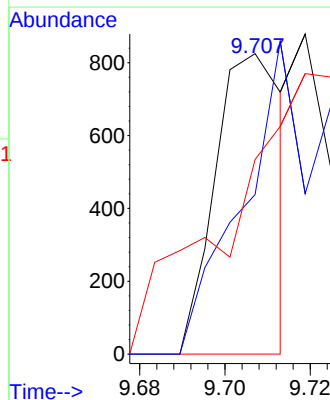
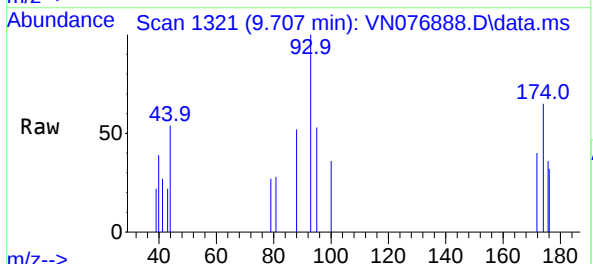
Instrument :
MSVOA_N
ClientSampleId :
IBLK

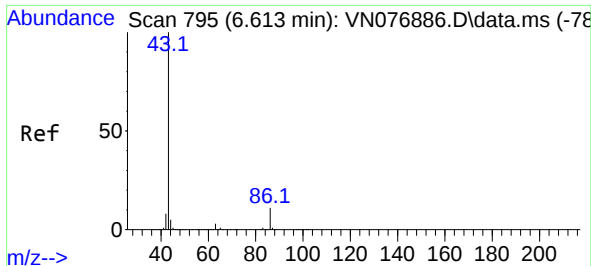
Tgt Ion: 83 Resp: 1996
Ion Ratio Lower Upper
83 100
55 0.0 37.6 112.9#
98 18.8 24.1 72.4#



#40
Dibromomethane
Concen: 0.244 ug/l
RT: 9.707 min Scan# 1321
Delta R.T. -0.006 min
Lab File: VN076888.D
Acq: 08 Mar 2023 19:59

Tgt Ion: 93 Resp: 922
Ion Ratio Lower Upper
93 100
95 89.4 0.0 158.0
174 129.5 0.0 171.2

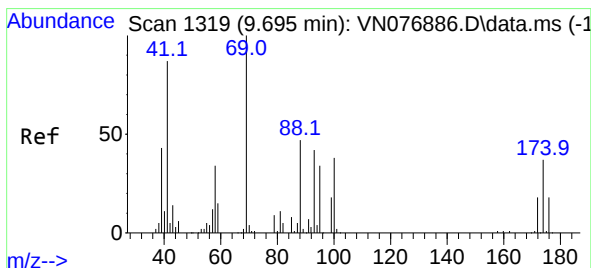
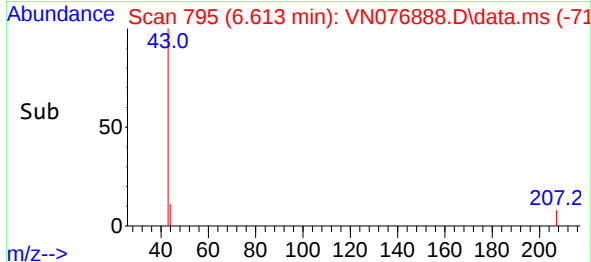
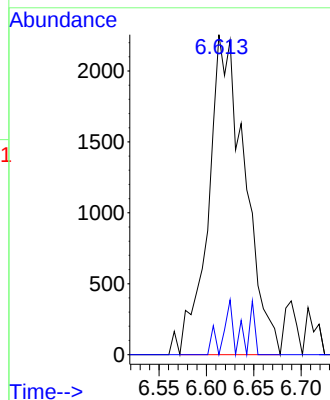
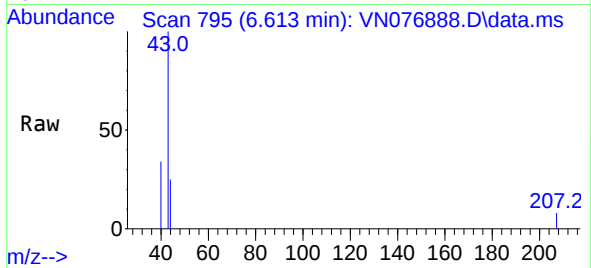




#42
 Vinyl Acetate
 Concen: 0.509 ug/l
 RT: 6.613 min Scan# 795
 Delta R.T. 0.000 min
 Lab File: VN076888.D
 Acq: 08 Mar 2023 19:59

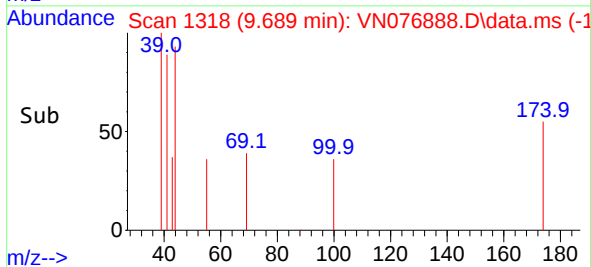
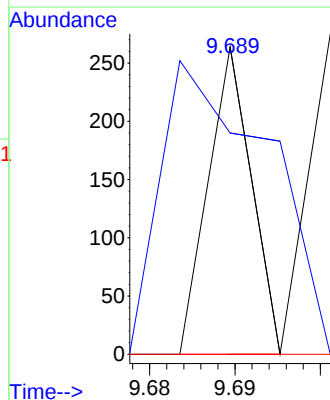
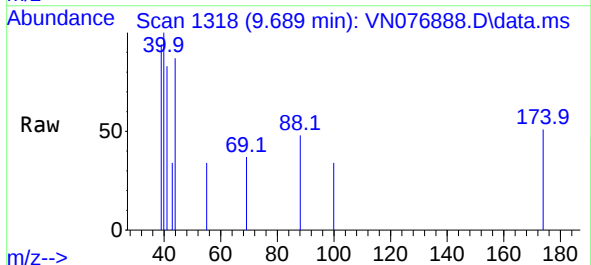
Instrument :
 MSVOA_N
 ClientSampleId :
 IBLK

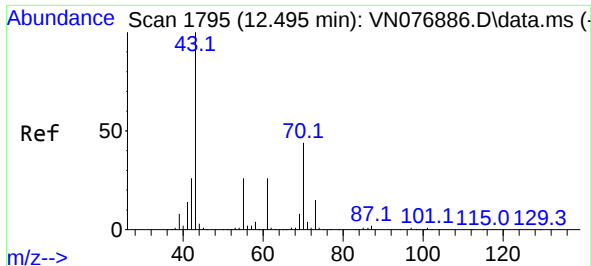
Tgt Ion: 43 Resp: 6015
 Ion Ratio Lower Upper
 43 100
 86 1.2 7.8 11.6#



#45
 1,4-Dioxane
 Concen: 0.868 ug/l
 RT: 9.689 min Scan# 1318
 Delta R.T. -0.006 min
 Lab File: VN076888.D
 Acq: 08 Mar 2023 19:59

Tgt Ion: 88 Resp: 93
 Ion Ratio Lower Upper
 88 100
 43 236.6 26.0 39.0#
 58 0.0 54.3 81.5#





#47

n-amy1 Acetate

Concen: 0.385 ug/l

RT: 12.495 min Scan# 1

Delta R.T. 0.000 min

Lab File: VN076888.D

Acq: 08 Mar 2023 19:59

Instrument :

MSVOA_N

ClientSampleId :

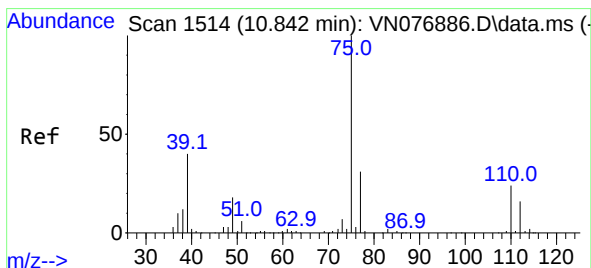
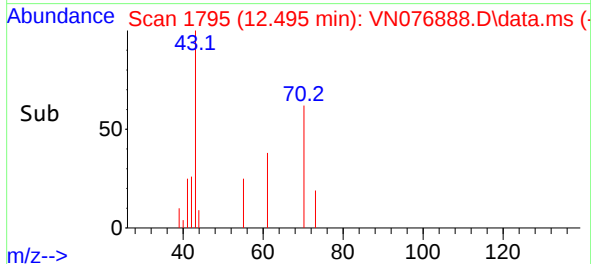
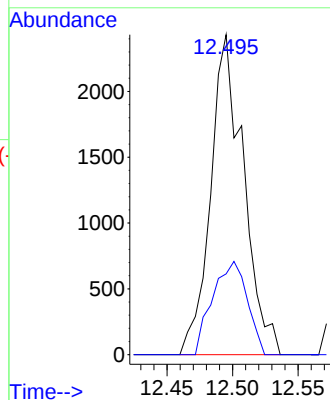
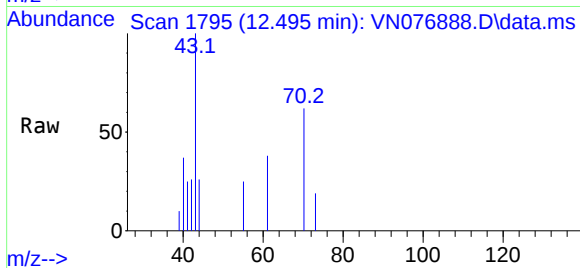
IBLK

Tgt Ion: 43 Resp: 4246

Ion Ratio Lower Upper

43 100

55 30.6 18.3 27.5#



#48

t-1,3-Dichloropropene

Concen: 0.371 ug/l

RT: 10.842 min Scan# 1514

Delta R.T. 0.000 min

Lab File: VN076888.D

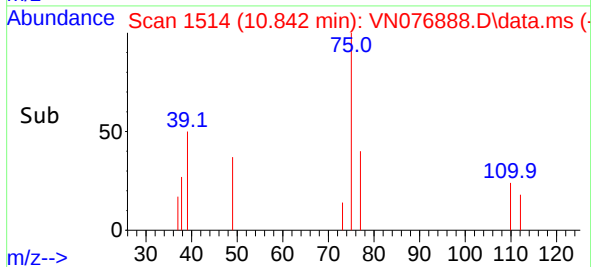
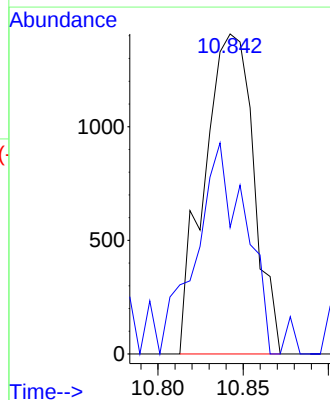
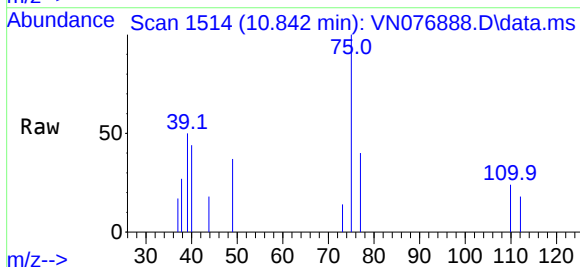
Acq: 08 Mar 2023 19:59

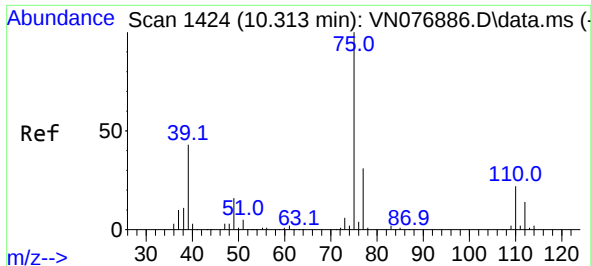
Tgt Ion: 75 Resp: 2847

Ion Ratio Lower Upper

75 100

77 39.6 25.4 38.2#



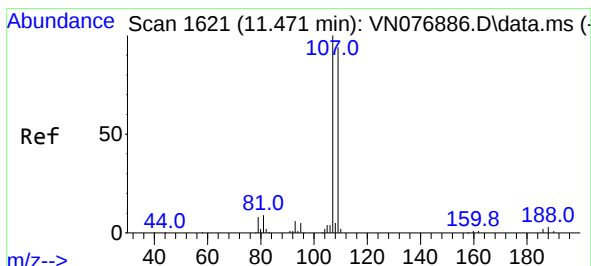
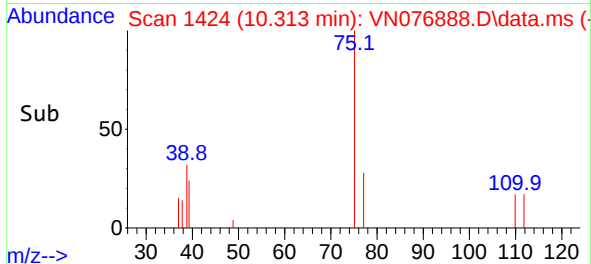
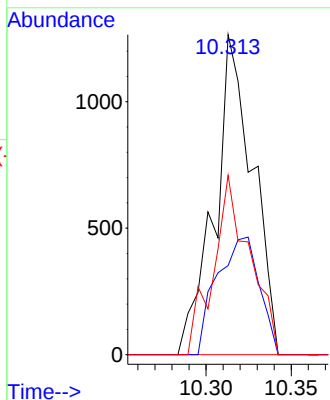
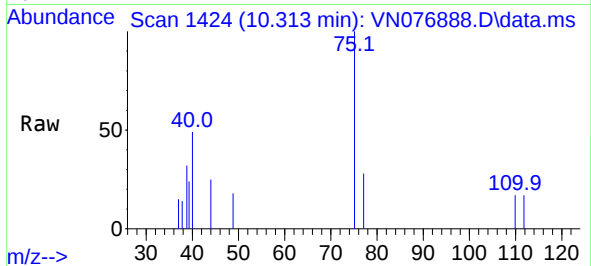


#49
cis-1,3-Dichloropropene
Concen: 0.224 ug/l
RT: 10.313 min Scan# 1424
Delta R.T. 0.000 min
Lab File: VN076888.D
Acq: 08 Mar 2023 19:59

Instrument :
MSVOA_N
ClientSampleId :
IBLK

Tgt Ion: 75 Resp: 1968

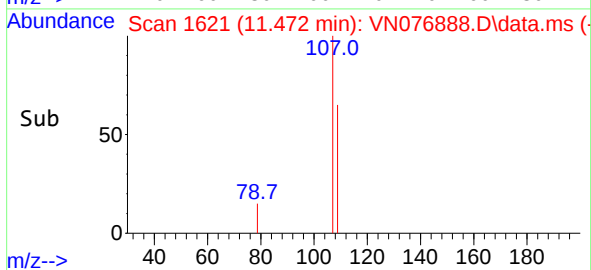
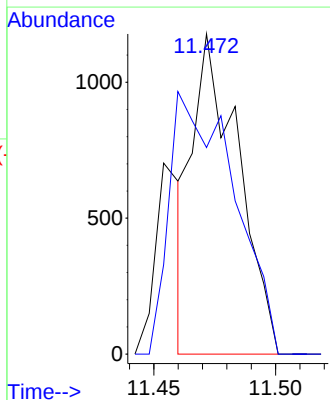
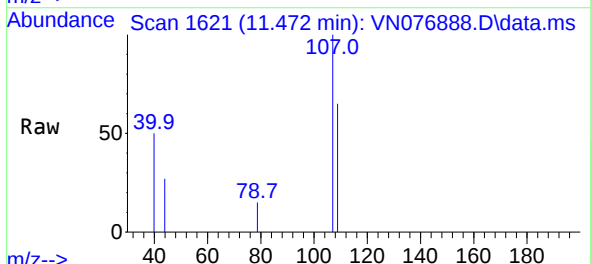
Ion	Ratio	Lower	Upper
75	100		
77	27.8	27.5	41.3
39	56.0	43.5	65.3

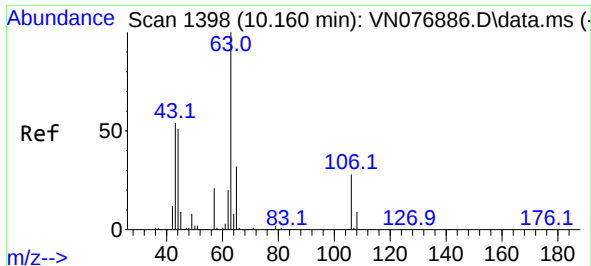


#54
1,2-Dibromoethane
Concen: 0.287 ug/l
RT: 11.472 min Scan# 1621
Delta R.T. 0.000 min
Lab File: VN076888.D
Acq: 08 Mar 2023 19:59

Tgt Ion: 107 Resp: 1527

Ion	Ratio	Lower	Upper
107	100		
109	0.0	74.6	112.0#

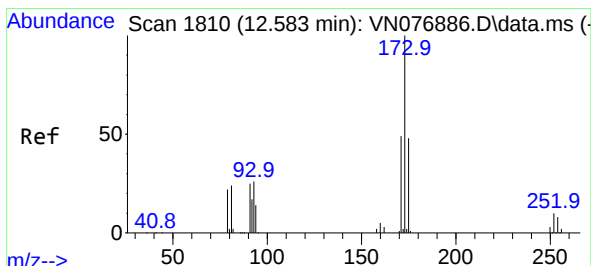
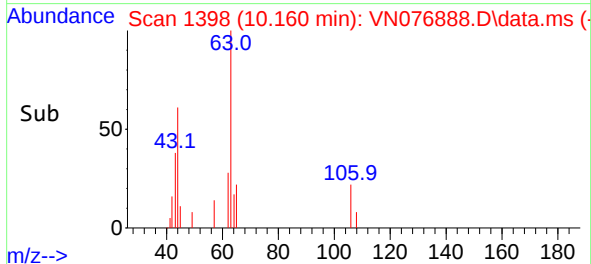
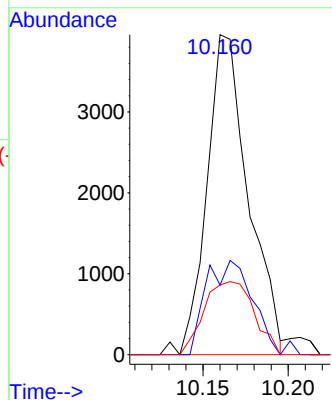
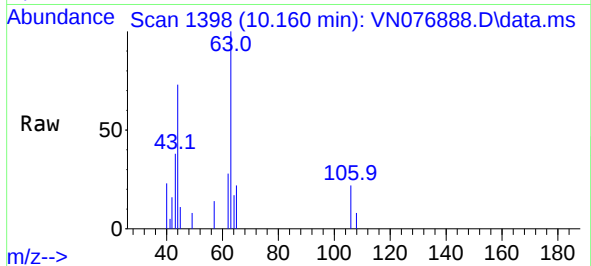




#55
2-Chloroethyl vinyl ether
Concen: 1.951 ug/l
RT: 10.160 min Scan# 11
Delta R.T. 0.000 min
Lab File: VN076888.D
Acq: 08 Mar 2023 19:59

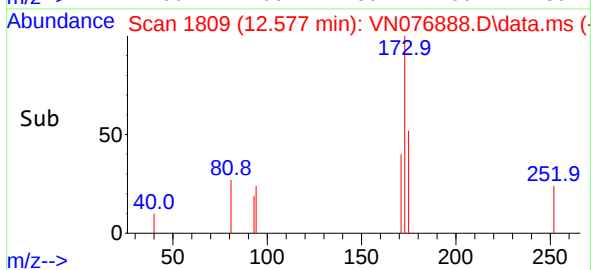
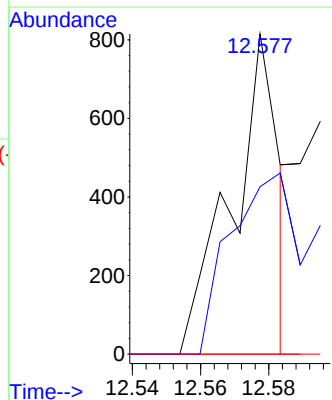
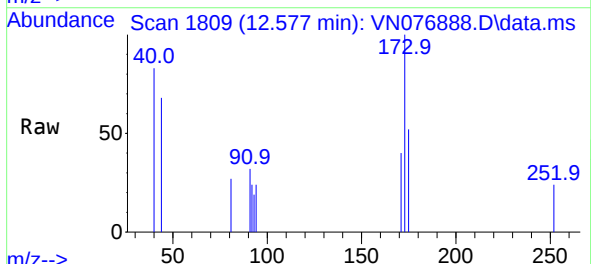
Instrument :
MSVOA_N
ClientSampleId :
IBLK

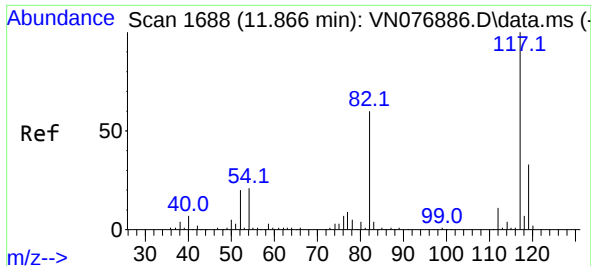
Tgt Ion: 63 Resp: 6648
Ion Ratio Lower Upper
63 100
65 19.5 26.3 39.5#
106 27.7 21.6 32.4



#56
Bromoform
Concen: 0.205 ug/l
RT: 12.577 min Scan# 1809
Delta R.T. -0.006 min
Lab File: VN076888.D
Acq: 08 Mar 2023 19:59

Tgt Ion: 173 Resp: 783
Ion Ratio Lower Upper
173 100
175 92.6 37.8 56.6#
254 0.0 7.3 10.9#

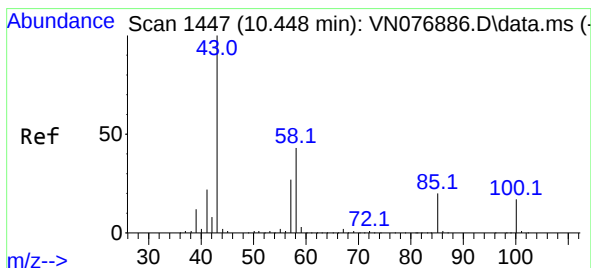
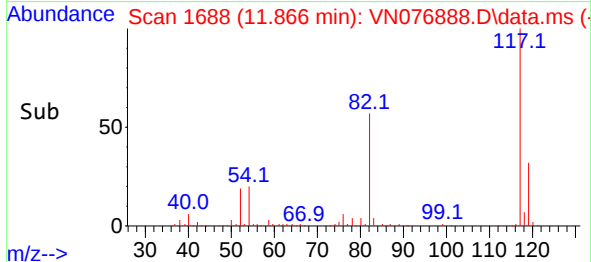
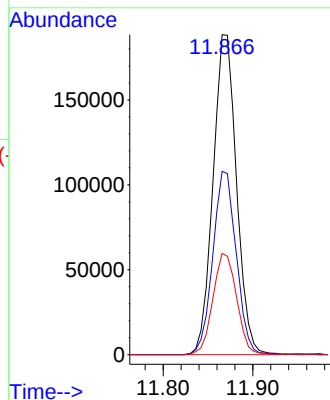
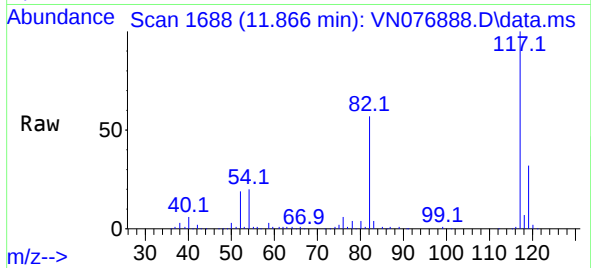




#57
Chlorobenzene-d5
Concen: 30.000 ug/l
RT: 11.866 min Scan# 117
Delta R.T. 0.000 min
Lab File: VN076888.D
Acq: 08 Mar 2023 19:59

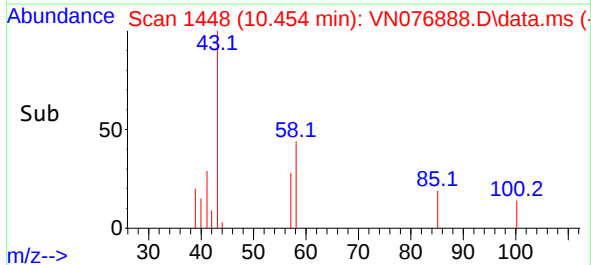
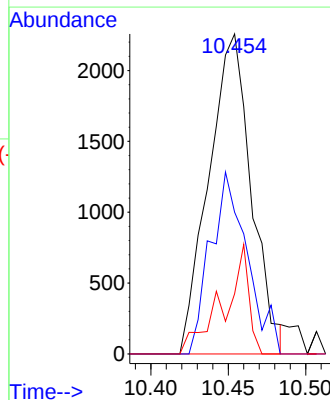
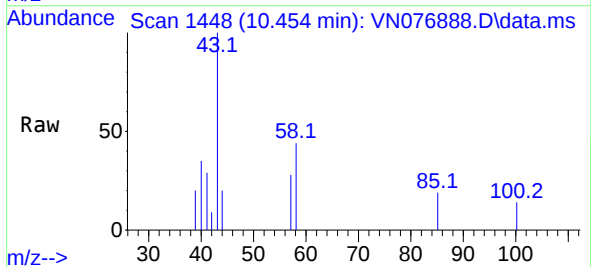
Instrument :
MSVOA_N
ClientSampleId :
IBLK

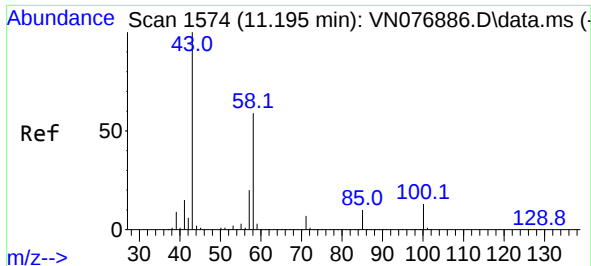
Tgt Ion:117 Resp: 342405
Ion Ratio Lower Upper
117 100
82 57.2 45.4 68.0
119 32.0 26.8 40.2



#58
4-Methyl-2-Pentanone
Concen: 0.547 ug/l
RT: 10.454 min Scan# 1448
Delta R.T. 0.006 min
Lab File: VN076888.D
Acq: 08 Mar 2023 19:59

Tgt Ion: 43 Resp: 4316
Ion Ratio Lower Upper
43 100
58 48.9 28.6 42.8#
85 11.1 11.8 17.8#

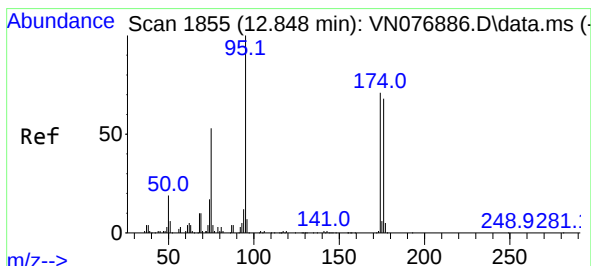
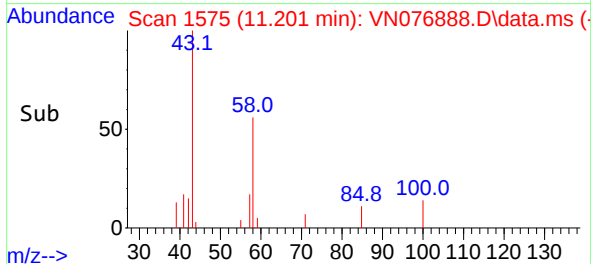
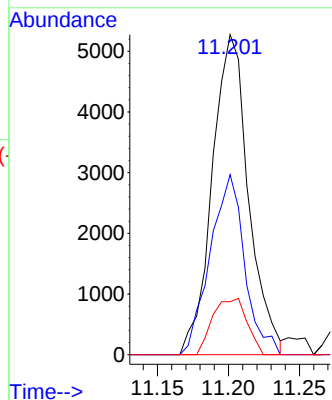
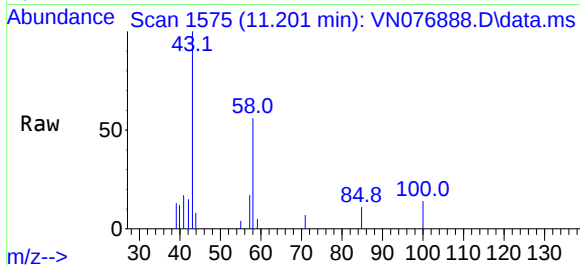




#59
2-Hexanone
Concen: 1.612 ug/l
RT: 11.201 min Scan# 111
Delta R.T. 0.006 min
Lab File: VN076888.D
Acq: 08 Mar 2023 19:59

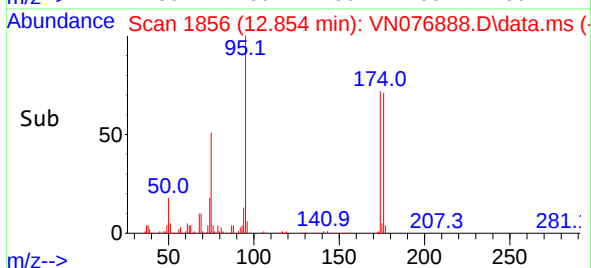
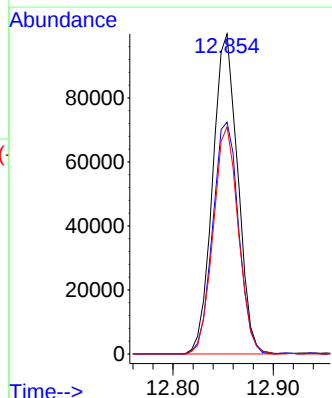
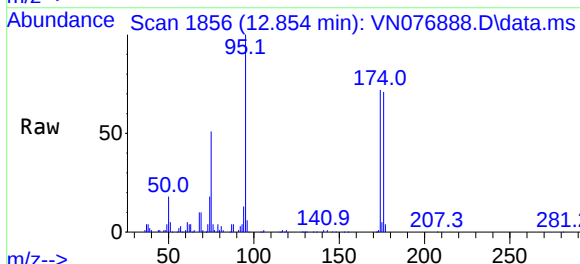
Instrument :
MSVOA_N
ClientSampleId :
IBLK

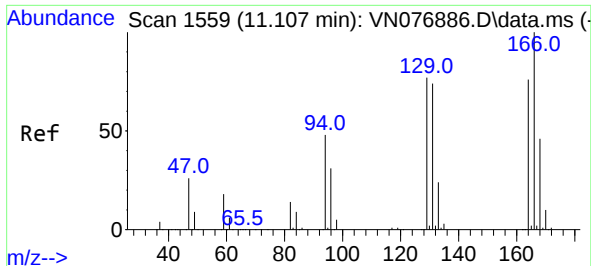
Tgt Ion:	43	Resp:	9372
Ion	Ratio	Lower	Upper
43	100		
58	53.5	40.6	60.8
57	16.6	13.1	19.7



#60
4-Bromofluorobenzene
Concen: 28.423 ug/l
RT: 12.854 min Scan# 1856
Delta R.T. 0.006 min
Lab File: VN076888.D
Acq: 08 Mar 2023 19:59

Tgt Ion:	95	Resp:	173772
Ion	Ratio	Lower	Upper
95	100		
174	74.5	64.2	96.4
176	71.0	61.4	92.0

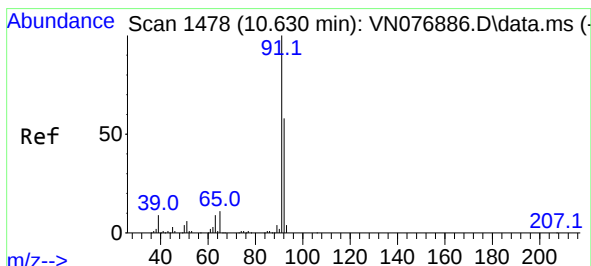
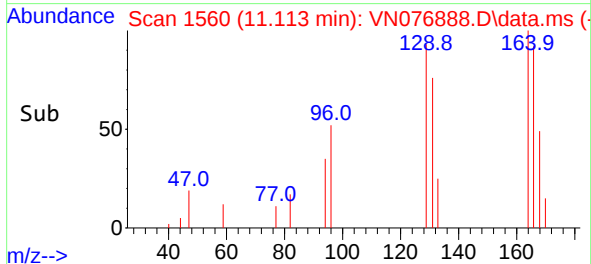
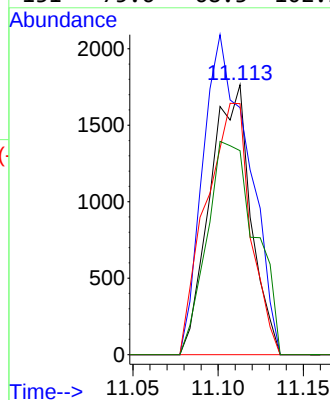
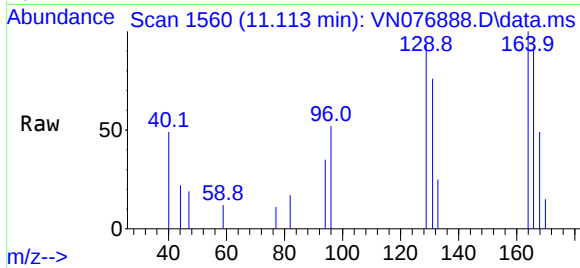




#61
Tetrachloroethene
Concen: 0.648 ug/l
RT: 11.113 min Scan# 1560
Delta R.T. 0.006 min
Lab File: VN076888.D
Acq: 08 Mar 2023 19:59

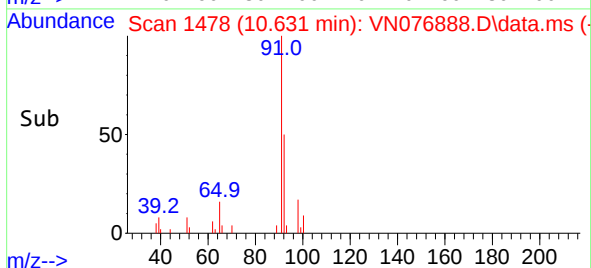
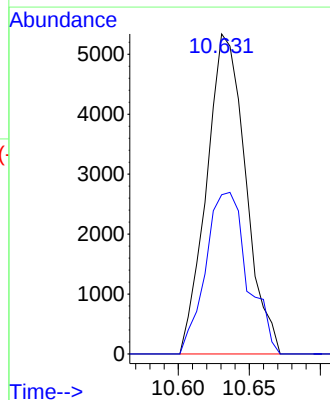
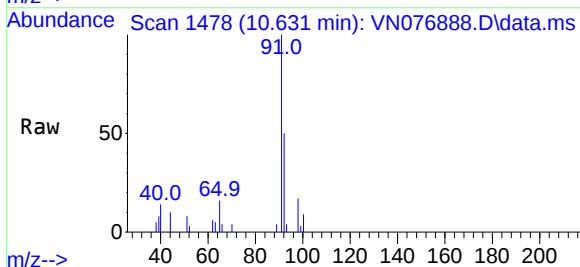
Instrument :
MSVOA_N
ClientSampleId :
IBLK

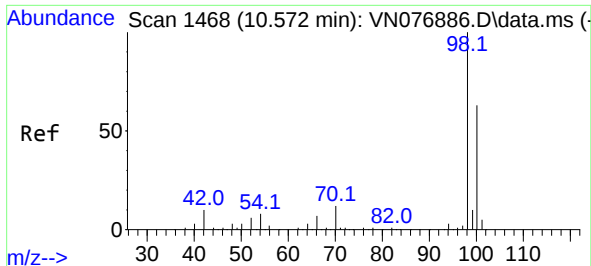
Tgt Ion:164 Resp: 2940
Ion Ratio Lower Upper
164 100
166 91.5 96.2 144.2#
129 93.0 78.2 117.4
131 75.6 68.3 102.5



#62
Toluene
Concen: 0.428 ug/l
RT: 10.631 min Scan# 1478
Delta R.T. 0.000 min
Lab File: VN076888.D
Acq: 08 Mar 2023 19:59

Tgt Ion: 91 Resp: 10202
Ion Ratio Lower Upper
91 100
92 50.4 46.3 69.5

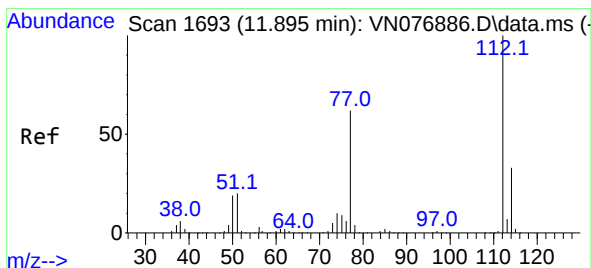
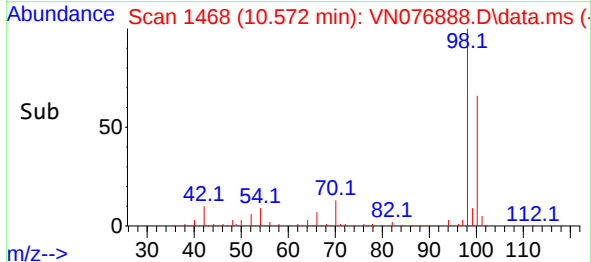
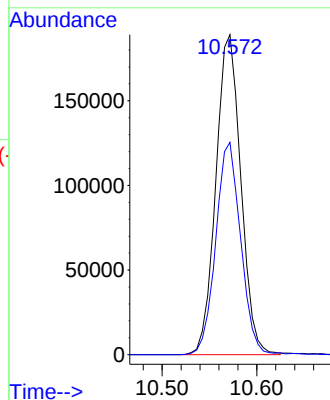
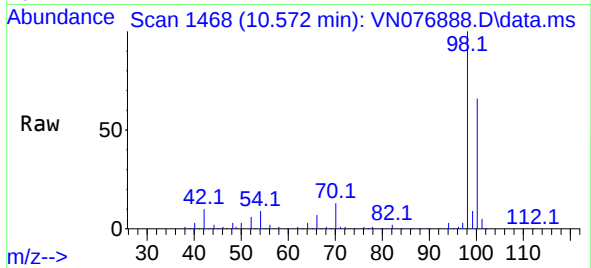




#63
Toluene-d8
Concen: 28.913 ug/l
RT: 10.572 min Scan# 1468
Delta R.T. 0.000 min
Lab File: VN076888.D
Acq: 08 Mar 2023 19:59

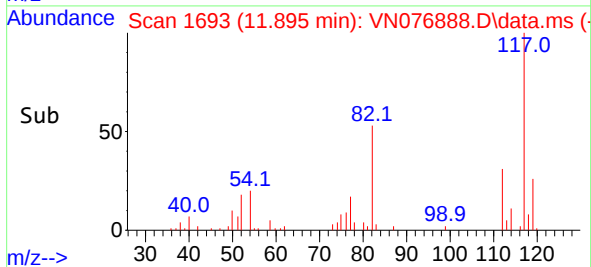
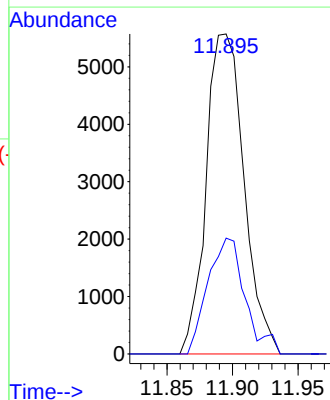
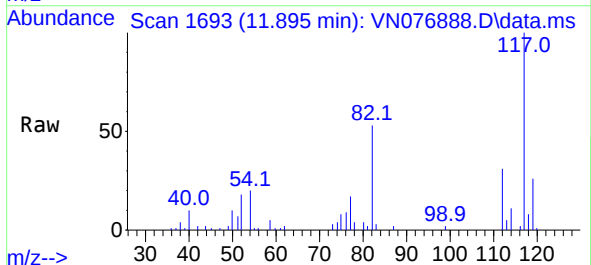
Instrument :
MSVOA_N
ClientSampleId :
IBLK

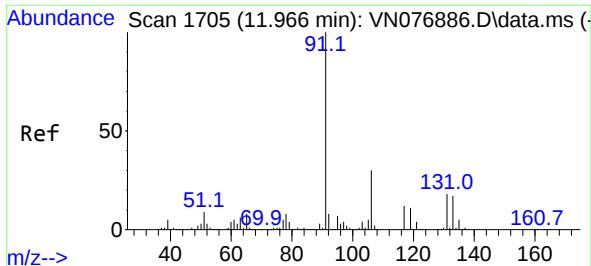
Tgt Ion: 98 Resp: 346908
Ion Ratio Lower Upper
98 100
100 65.9 53.8 80.6



#64
Chlorobenzene
Concen: 0.796 ug/l
RT: 11.895 min Scan# 1693
Delta R.T. 0.000 min
Lab File: VN076888.D
Acq: 08 Mar 2023 19:59

Tgt Ion: 112 Resp: 11189
Ion Ratio Lower Upper
112 100
114 36.2 24.5 36.7

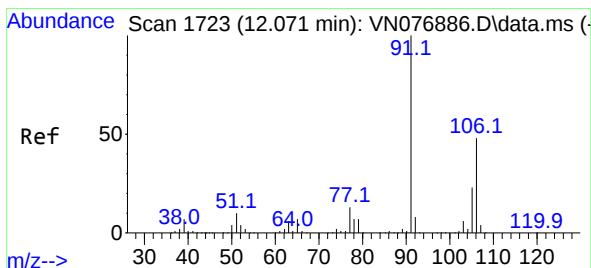
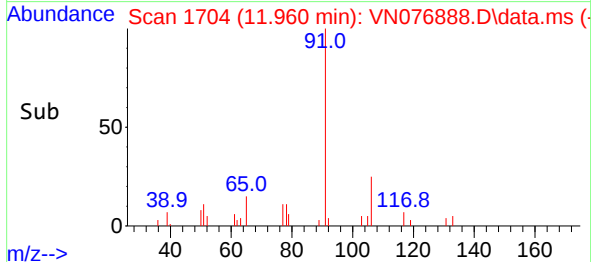
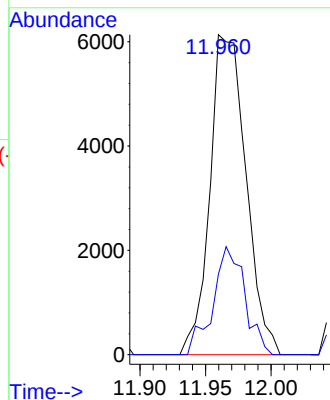
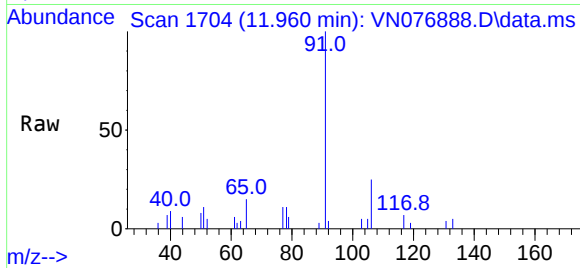




#66
Ethyl Benzene
Concen: 0.461 ug/l
RT: 11.960 min Scan# 11738
Delta R.T. -0.006 min
Lab File: VN076888.D
Acq: 08 Mar 2023 19:59

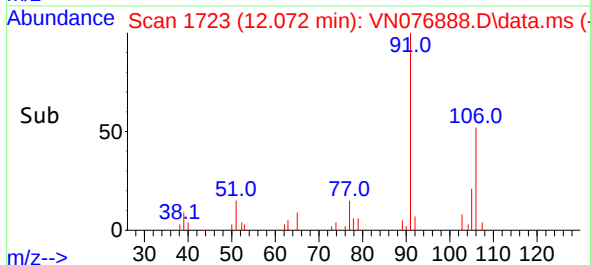
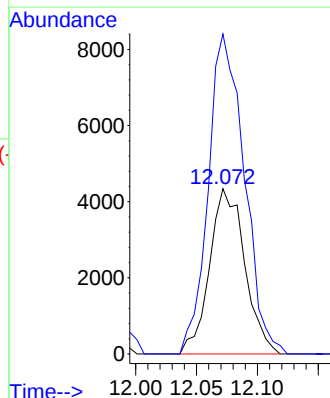
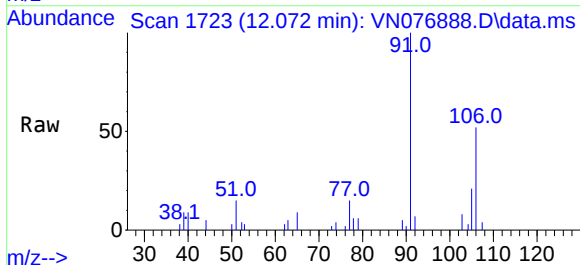
Instrument :
MSVOA_N
ClientSampleId :
IBLK

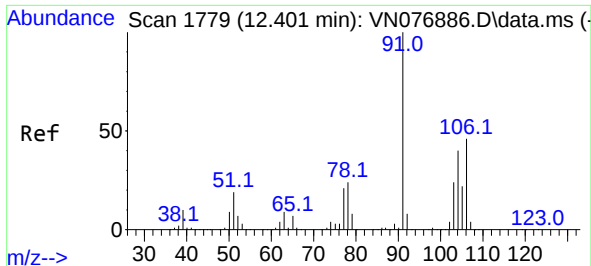
Tgt Ion: 91 Resp: 11738
Ion Ratio Lower Upper
91 100
106 25.2 23.8 35.8



#67
m/p-Xylenes
Concen: 0.888 ug/l
RT: 12.072 min Scan# 1723
Delta R.T. 0.000 min
Lab File: VN076888.D
Acq: 08 Mar 2023 19:59

Tgt Ion:106 Resp: 8735
Ion Ratio Lower Upper
106 100
91 198.2 157.4 236.2

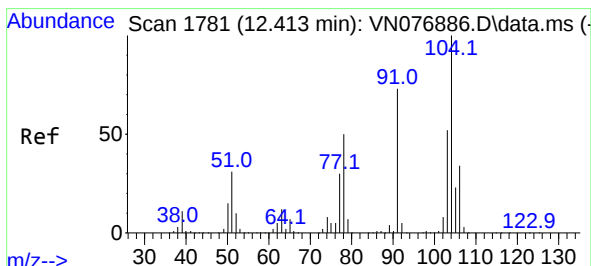
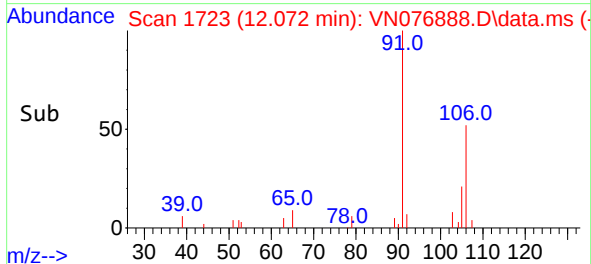
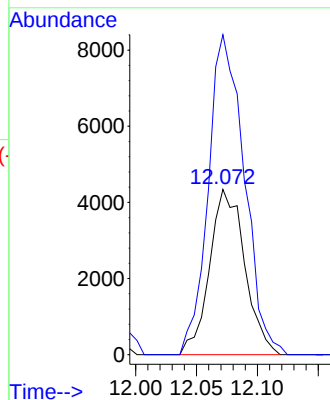
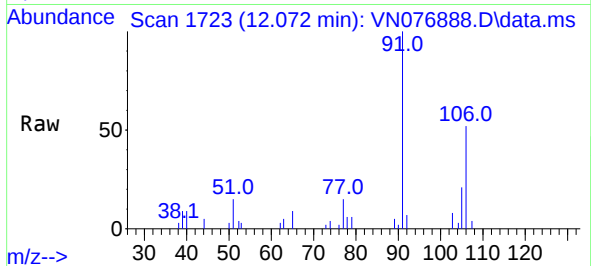




#68
o-Xylene
Concen: 0.903 ug/l
RT: 12.072 min Scan# 1723
Delta R.T. -0.329 min
Lab File: VN076888.D
Acq: 08 Mar 2023 19:59

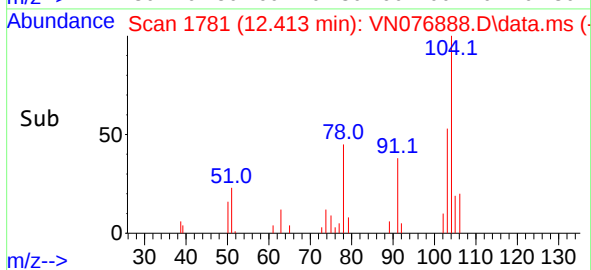
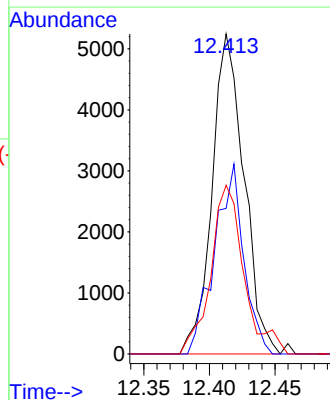
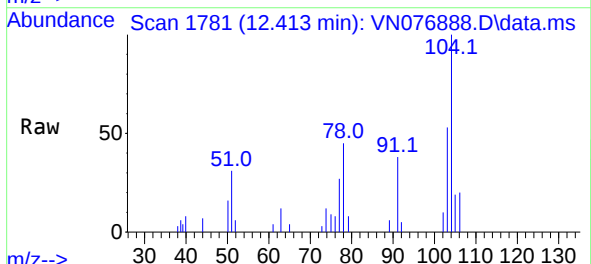
Instrument :
MSVOA_N
ClientSampleId :
IBLK

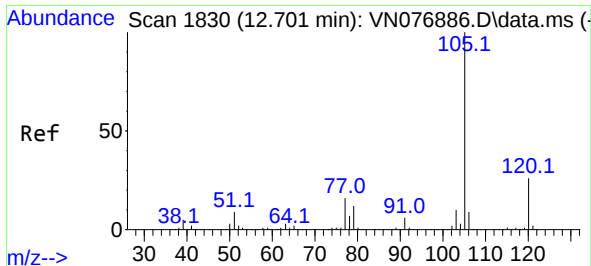
Tgt Ion:106 Resp: 8735
Ion Ratio Lower Upper
106 100
91 198.2 107.2 321.6



#69
Styrene
Concen: 0.571 ug/l
RT: 12.413 min Scan# 1781
Delta R.T. 0.000 min
Lab File: VN076888.D
Acq: 08 Mar 2023 19:59

Tgt Ion:104 Resp: 8871
Ion Ratio Lower Upper
104 100
78 54.6 39.6 59.4
103 51.0 43.9 65.9

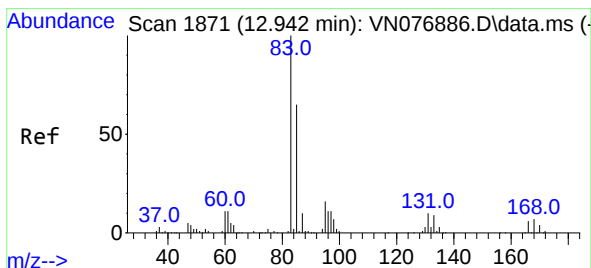
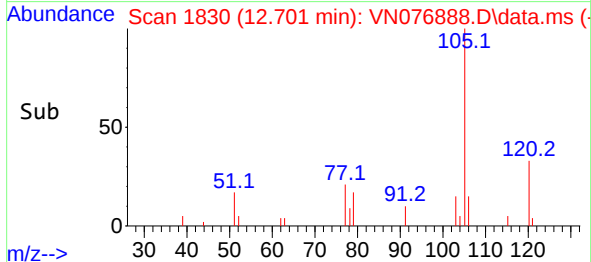
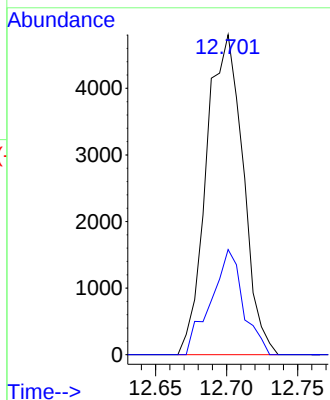
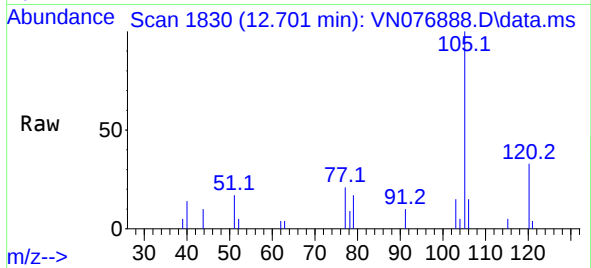




#70
Isopropylbenzene
Concen: 0.348 ug/l
RT: 12.701 min Scan# 1830
Delta R.T. 0.000 min
Lab File: VN076888.D
Acq: 08 Mar 2023 19:59

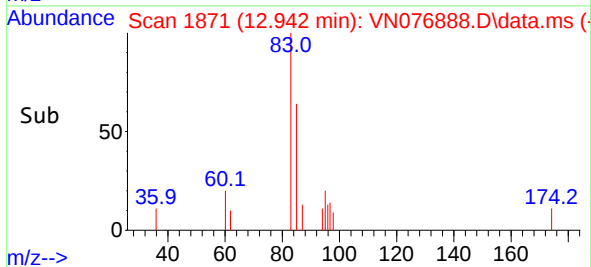
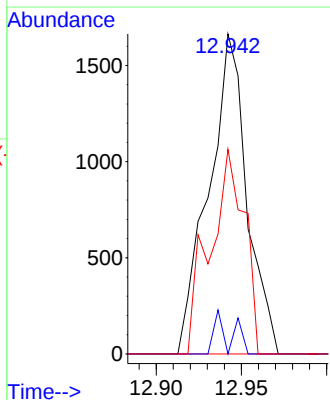
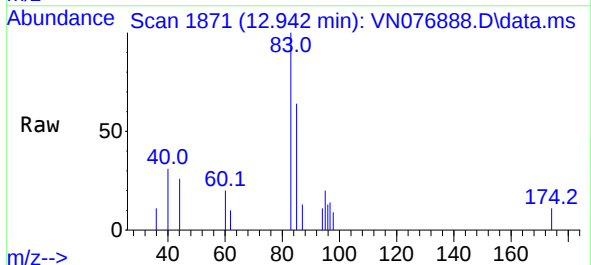
Instrument :
MSVOA_N
ClientSampleId :
IBLK

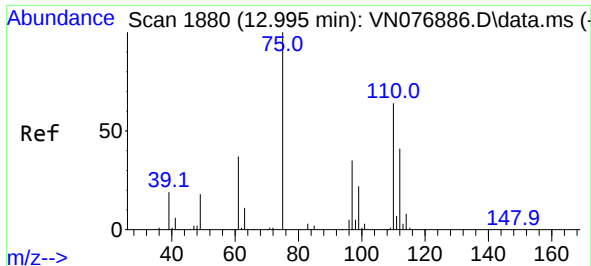
Tgt Ion:105 Resp: 8629
Ion Ratio Lower Upper
105 100
120 28.9 19.0 35.2



#71
1,1,2,2-Tetrachloroethane
Concen: 0.326 ug/l
RT: 12.942 min Scan# 1871
Delta R.T. 0.000 min
Lab File: VN076888.D
Acq: 08 Mar 2023 19:59

Tgt Ion: 83 Resp: 2592
Ion Ratio Lower Upper
83 100
131 2.5 5.0 14.9#
85 43.1 32.3 96.9

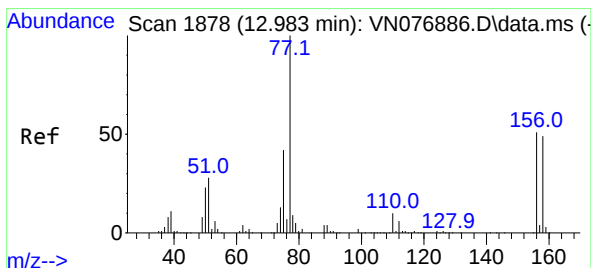
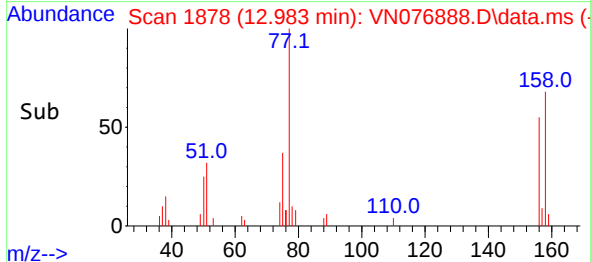
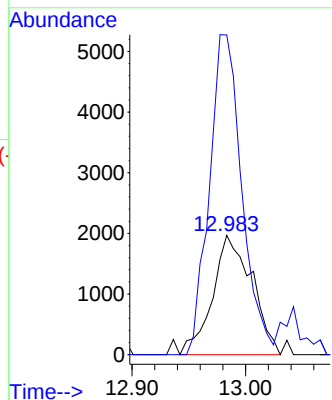
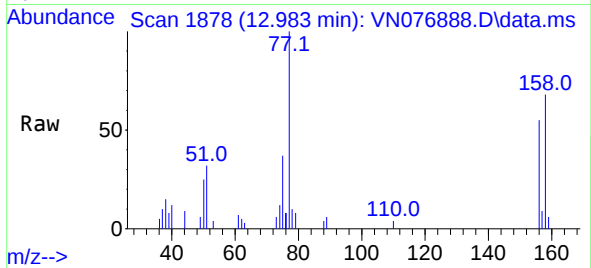




#72
1,2,3-Trichloropropane
Concen: 0.665 ug/l
RT: 12.983 min Scan# 1878
Delta R.T. -0.012 min
Lab File: VN076888.D
Acq: 08 Mar 2023 19:59

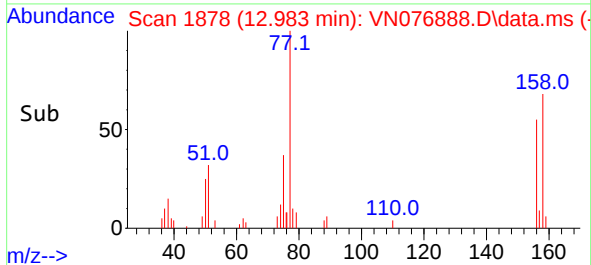
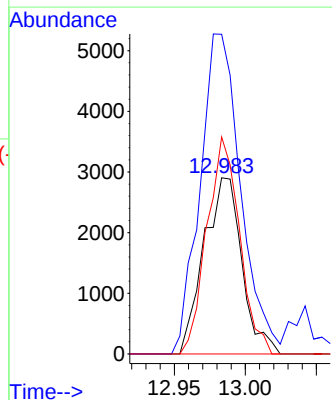
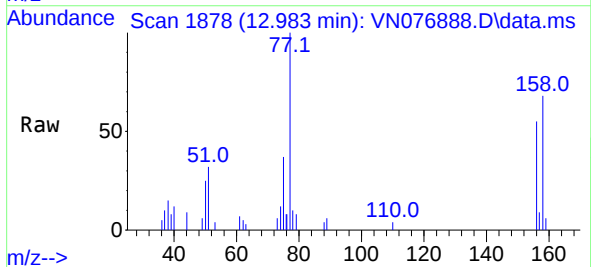
Instrument :
MSVOA_N
ClientSampleId :
IBLK

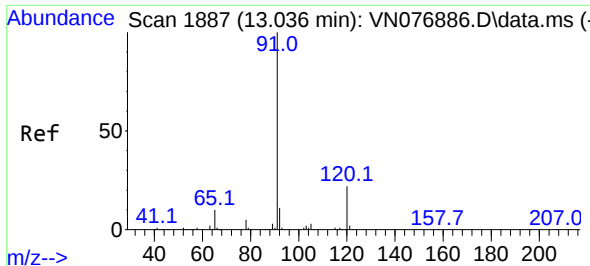
Tgt Ion: 75 Resp: 4751
Ion Ratio Lower Upper
75 100
77 221.0 0.0 332.6



#73
Bromobenzene
Concen: 0.948 ug/l
RT: 12.983 min Scan# 1878
Delta R.T. 0.000 min
Lab File: VN076888.D
Acq: 08 Mar 2023 19:59

Tgt Ion:156 Resp: 5387
Ion Ratio Lower Upper
156 100
77 195.0 0.0 423.0
158 106.1 0.0 188.6

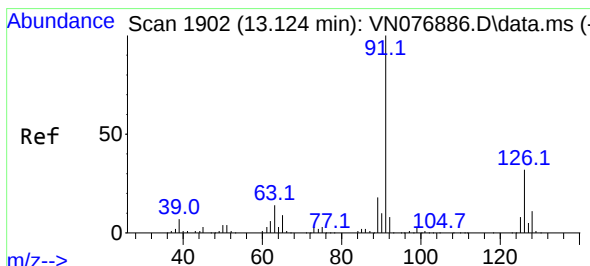
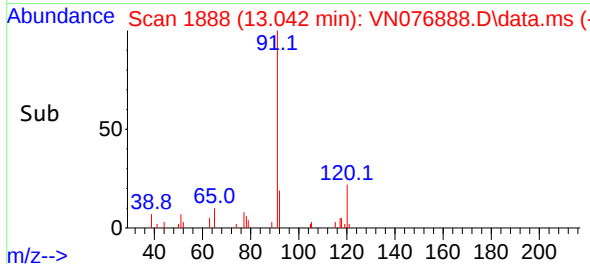
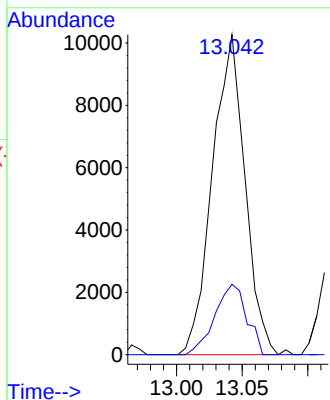
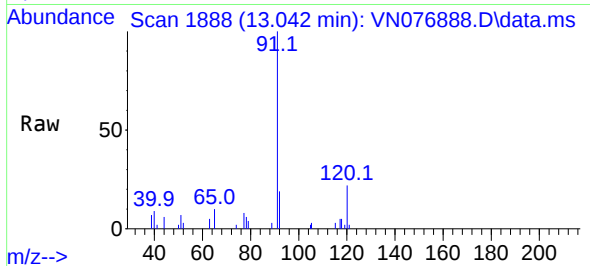




#74
n-propylbenzene
Concen: 0.599 ug/l
RT: 13.042 min Scan# 1888
Delta R.T. 0.006 min
Lab File: VN076888.D
Acq: 08 Mar 2023 19:59

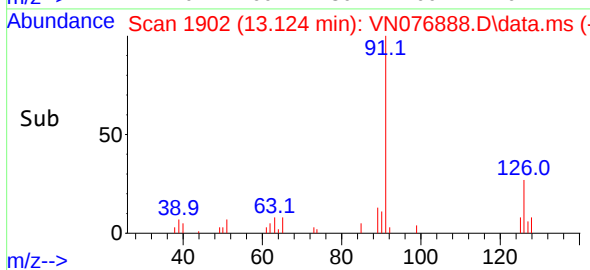
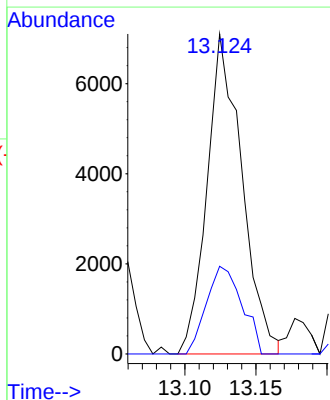
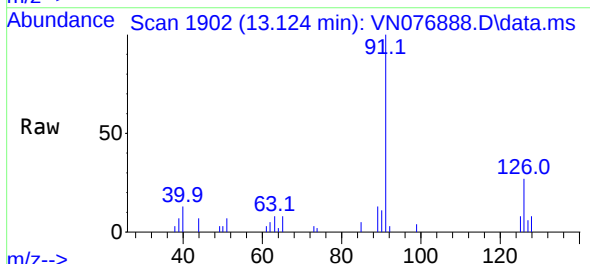
Instrument :
MSVOA_N
ClientSampleId :
IBLK

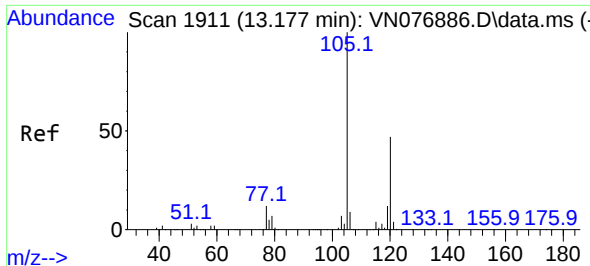
Tgt Ion: 91 Resp: 17716
Ion Ratio Lower Upper
91 100
120 21.6 0.0 44.0



#75
2-Chlorotoluene
Concen: 0.683 ug/l
RT: 13.124 min Scan# 1902
Delta R.T. 0.000 min
Lab File: VN076888.D
Acq: 08 Mar 2023 19:59

Tgt Ion: 91 Resp: 12096
Ion Ratio Lower Upper
91 100
126 28.0 0.0 66.4

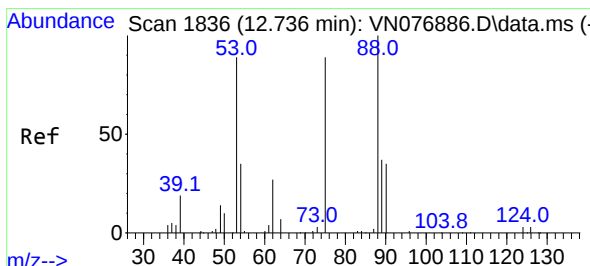
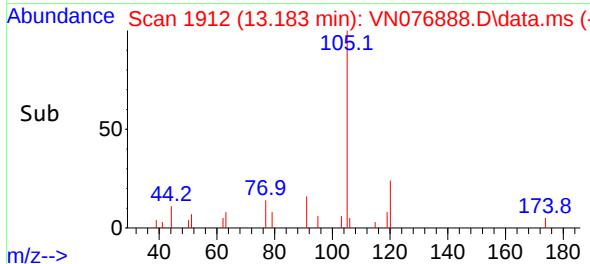
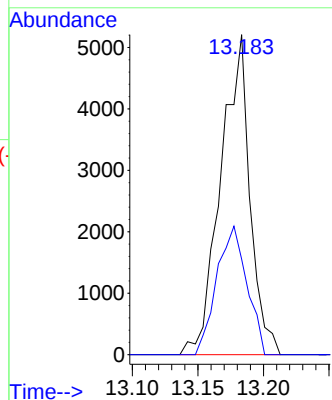
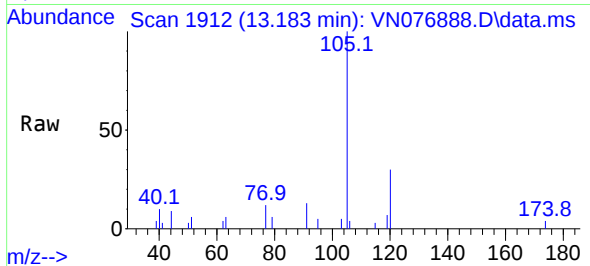




#76
1,3,5-Trimethylbenzene
Concen: 0.388 ug/l
RT: 13.183 min Scan# 1911
Delta R.T. 0.006 min
Lab File: VN076888.D
Acq: 08 Mar 2023 19:59

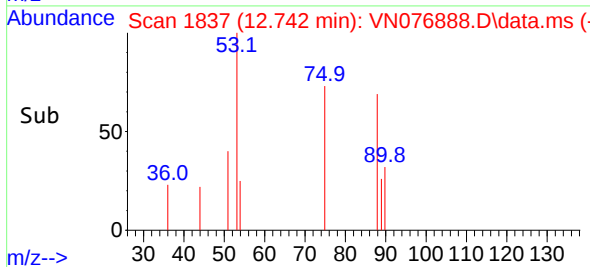
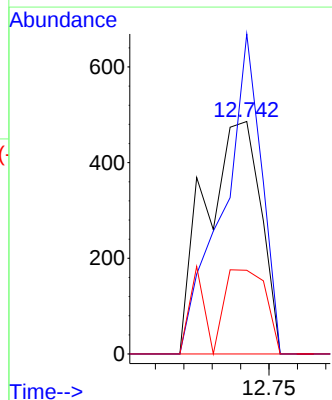
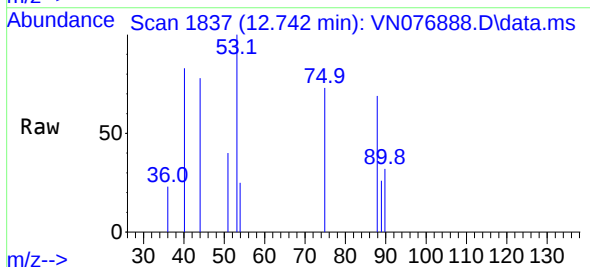
Instrument :
MSVOA_N
ClientSampleId :
IBLK

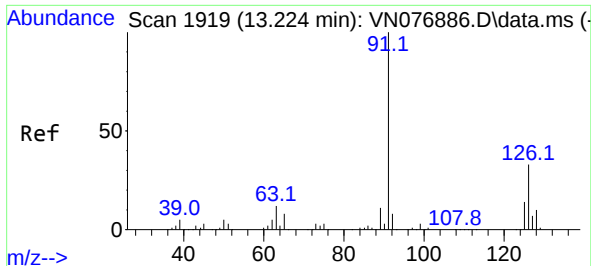
Tgt Ion:105 Resp: 8080
Ion Ratio Lower Upper
105 100
120 41.3 0.0 103.2



#77
t-1,4-Dichloro-2-butene
Concen: 0.292 ug/l
RT: 12.742 min Scan# 1837
Delta R.T. 0.006 min
Lab File: VN076888.D
Acq: 08 Mar 2023 19:59

Tgt Ion: 75 Resp: 659
Ion Ratio Lower Upper
75 100
53 137.7 50.4 151.3
89 36.0 22.1 66.5

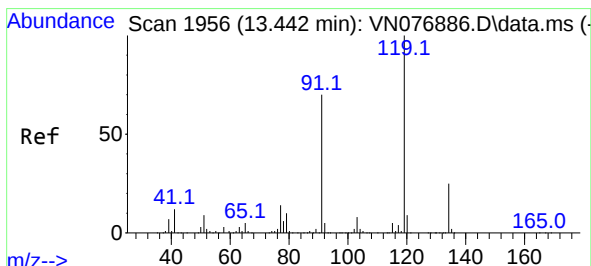
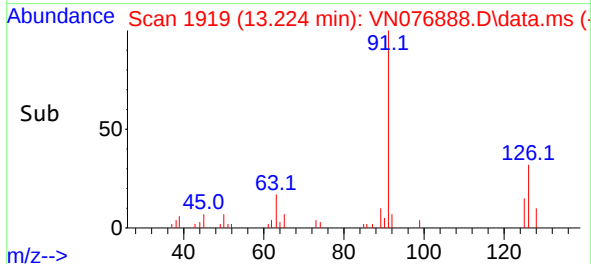
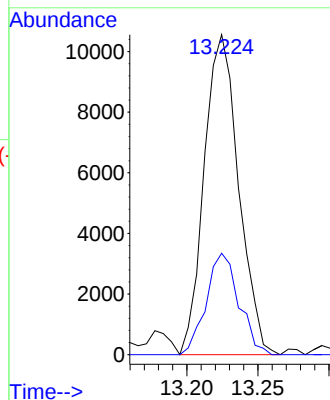
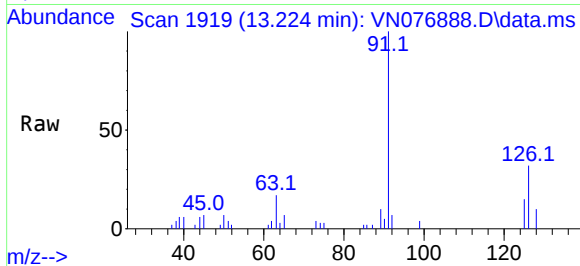




#78
4-Chlorotoluene
Concen: 1.050 ug/l
RT: 13.224 min Scan# 1919
Delta R.T. 0.000 min
Lab File: VN076888.D
Acq: 08 Mar 2023 19:59

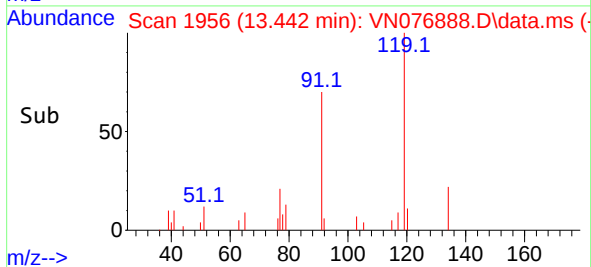
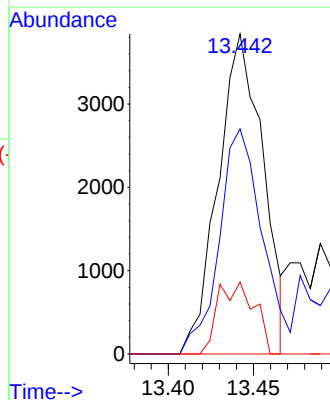
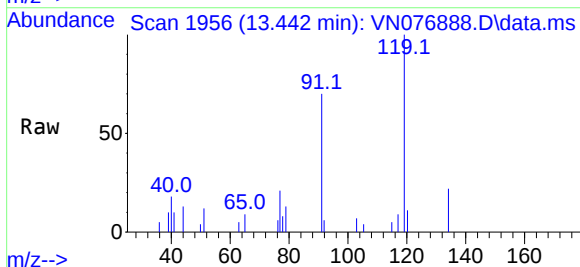
Instrument :
MSVOA_N
ClientSampleId :
IBLK

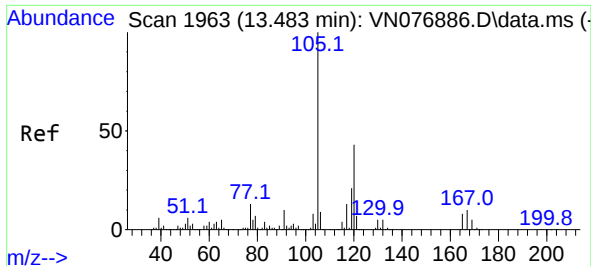
Tgt Ion: 91 Resp: 17816
Ion Ratio Lower Upper
91 100
126 30.1 0.0 70.6



#79
tert-butylbenzene
Concen: 0.389 ug/l
RT: 13.442 min Scan# 1956
Delta R.T. 0.000 min
Lab File: VN076888.D
Acq: 08 Mar 2023 19:59

Tgt Ion: 119 Resp: 7060
Ion Ratio Lower Upper
119 100
91 67.0 0.0 129.6
134 18.2 0.0 47.8

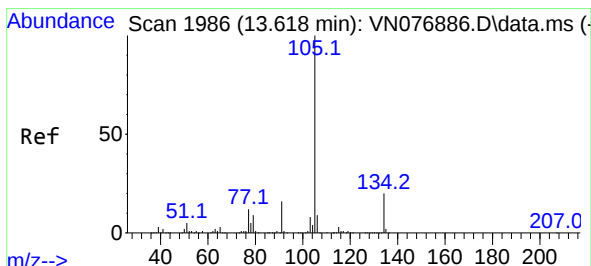
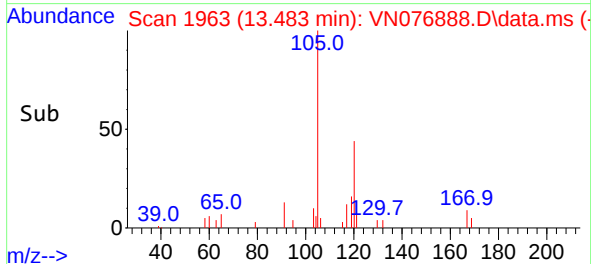
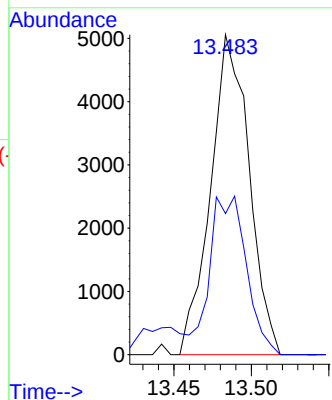
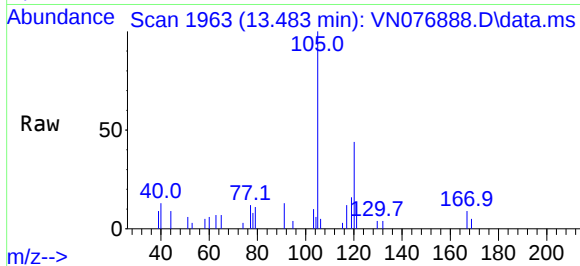




#80
1,2,4-Trimethylbenzene
Concen: 0.426 ug/l
RT: 13.483 min Scan# 1963
Delta R.T. 0.000 min
Lab File: VN076888.D
Acq: 08 Mar 2023 19:59

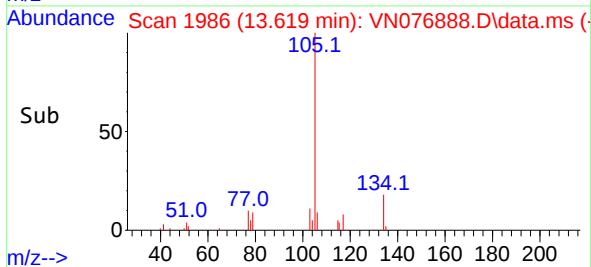
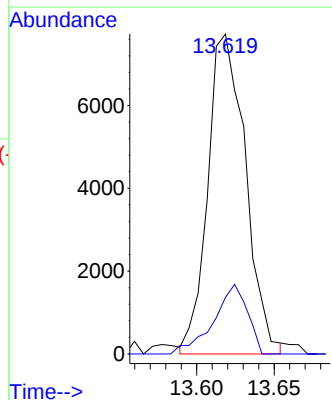
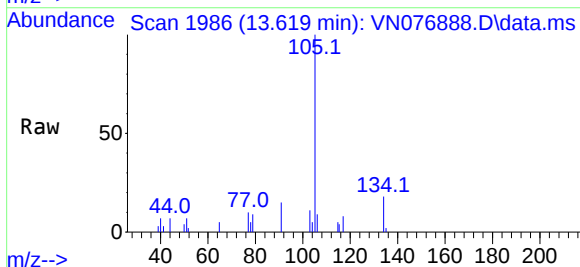
Instrument :
MSVOA_N
ClientSampleId :
IBLK

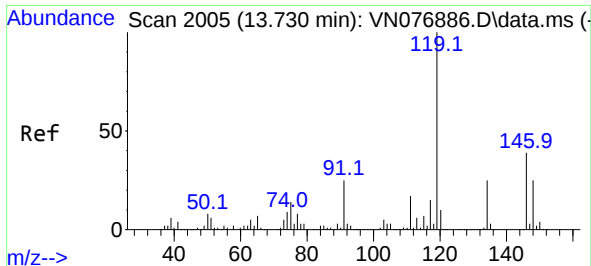
Tgt Ion:105 Resp: 8745
Ion Ratio Lower Upper
105 100
120 46.7 0.0 93.2



#81
sec-Butylbenzene
Concen: 0.500 ug/l
RT: 13.619 min Scan# 1986
Delta R.T. 0.000 min
Lab File: VN076888.D
Acq: 08 Mar 2023 19:59

Tgt Ion:105 Resp: 13062
Ion Ratio Lower Upper
105 100
134 19.5 0.0 39.4

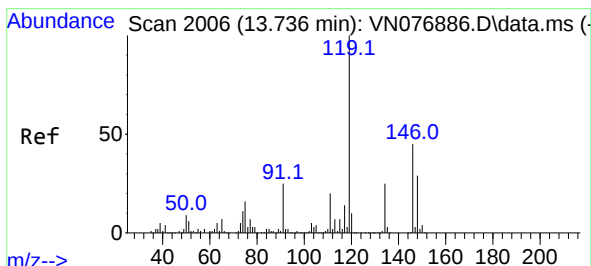
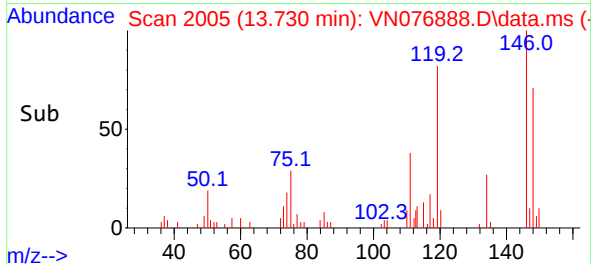
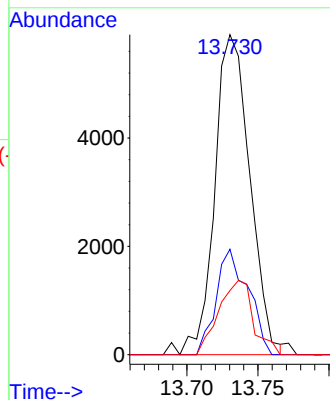
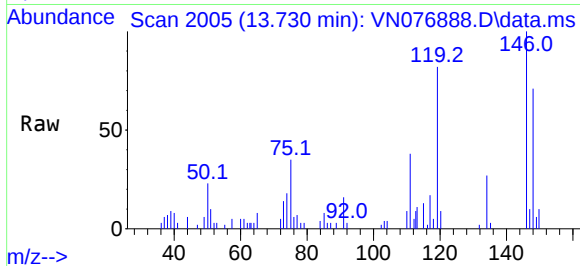




#82
p-Isopropyltoluene
Concen: 0.478 ug/l
RT: 13.730 min Scan# 2005
Delta R.T. 0.000 min
Lab File: VN076888.D
Acq: 08 Mar 2023 19:59

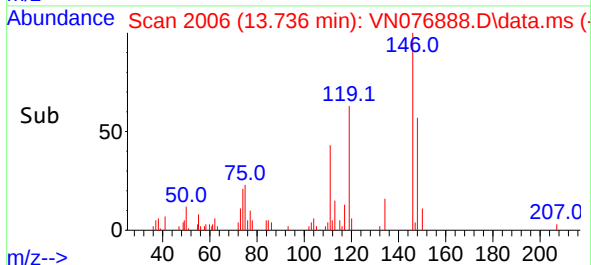
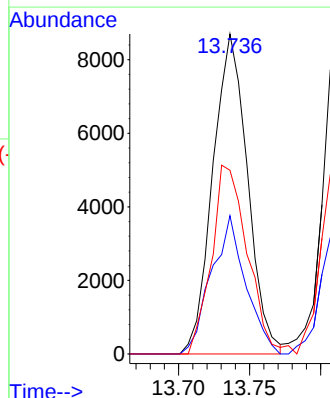
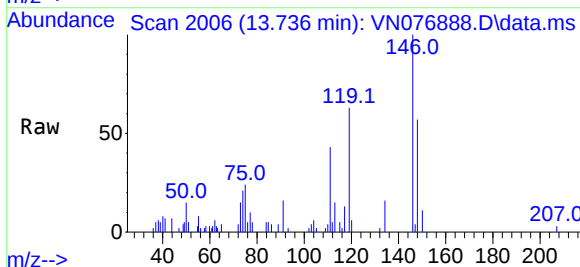
Instrument :
MSVOA_N
ClientSampleId :
IBLK

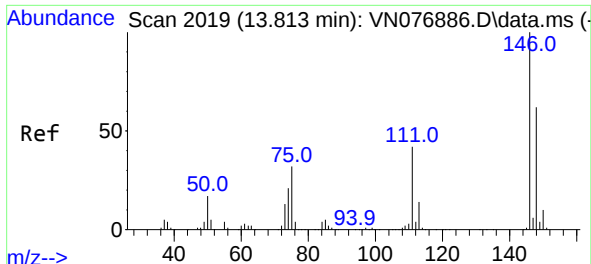
Tgt Ion:	119	Resp:	10123
Ion	Ratio	Lower	Upper
119	100		
134	30.2	0.0	53.4
91	22.1	0.0	47.2



#83
1,3-Dichlorobenzene
Concen: 1.370 ug/l
RT: 13.736 min Scan# 2006
Delta R.T. 0.000 min
Lab File: VN076888.D
Acq: 08 Mar 2023 19:59

Tgt Ion:	146	Resp:	14799
Ion	Ratio	Lower	Upper
146	100		
111	42.7	20.3	60.8
148	60.6	31.9	95.5

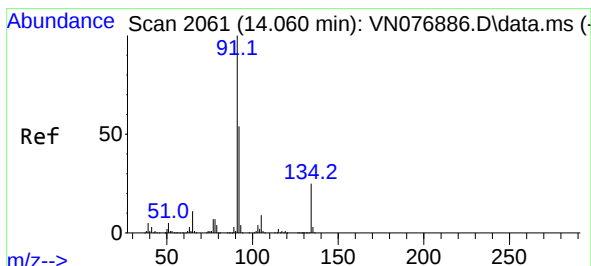
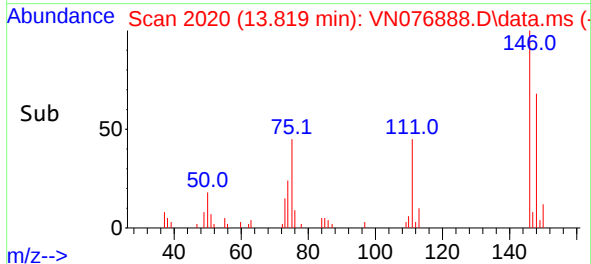
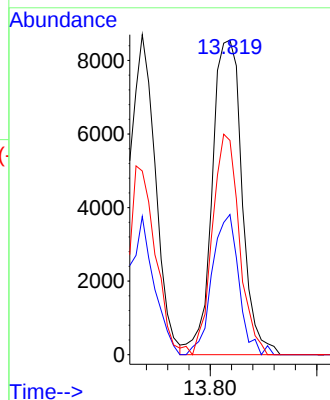
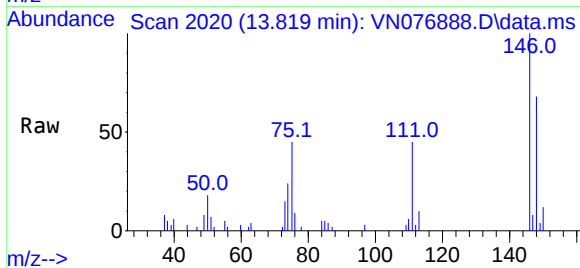




#84
1,4-Dichlorobenzene
Concen: 1.566 ug/l
RT: 13.819 min Scan# 2019
Delta R.T. 0.006 min
Lab File: VN076888.D
Acq: 08 Mar 2023 19:59

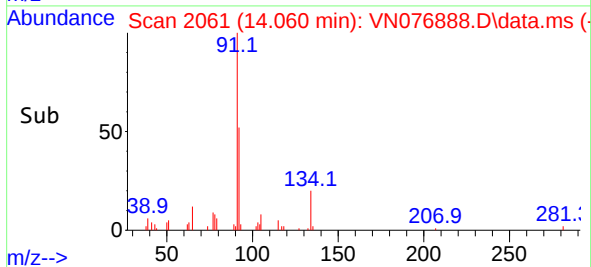
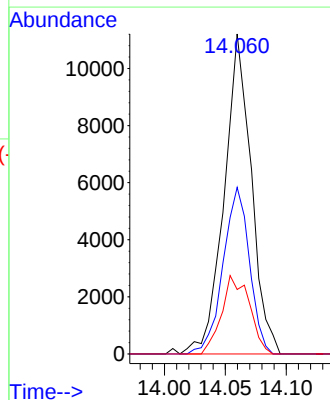
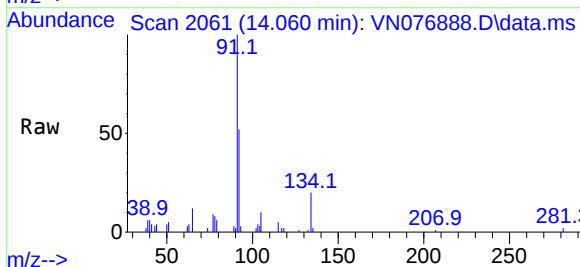
Instrument :
MSVOA_N
ClientSampleId :
IBLK

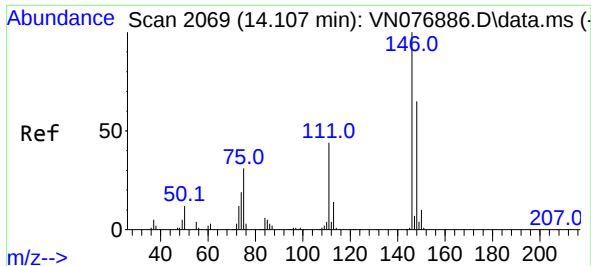
Tgt Ion:146 Resp: 16583
Ion Ratio Lower Upper
146 100
111 39.6 18.2 54.6
148 63.5 31.1 93.2



#85
n-Butylbenzene
Concen: 0.963 ug/l
RT: 14.060 min Scan# 2061
Delta R.T. 0.000 min
Lab File: VN076888.D
Acq: 08 Mar 2023 19:59

Tgt Ion: 91 Resp: 17355
Ion Ratio Lower Upper
91 100
92 50.7 0.0 103.2
134 25.2 0.0 50.0





#87

1,2-Dichlorobenzene

Concen: 1.124 ug/l

RT: 14.107 min Scan# 2069

Delta R.T. 0.000 min

Lab File: VN076888.D

Acq: 08 Mar 2023 19:59

Instrument :

MSVOA_N

ClientSampleId :

IBLK

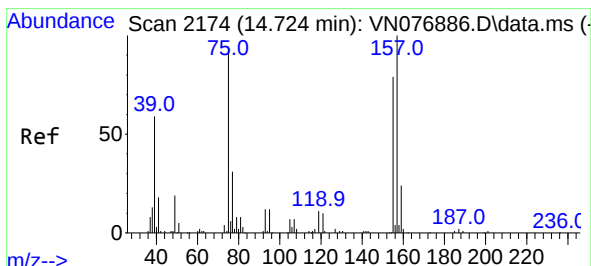
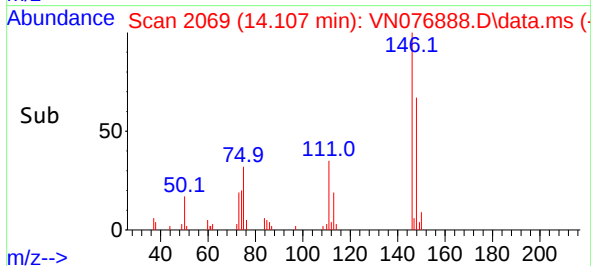
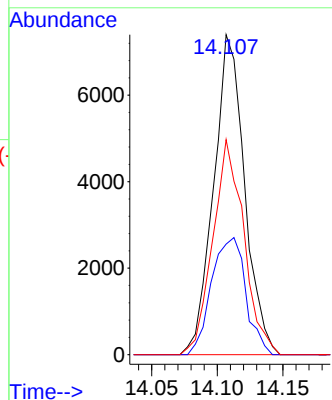
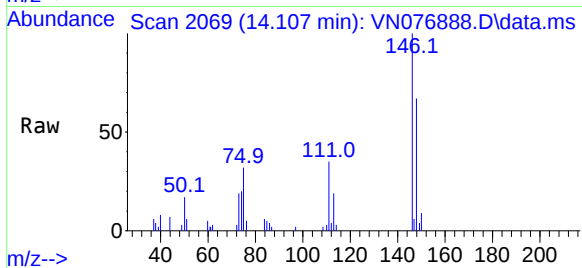
Tgt Ion:146 Resp: 12143

Ion Ratio Lower Upper

146 100

111 40.5 20.5 61.6

148 67.4 32.5 97.5



#88

1,2-Dibromo-3-Chloropropane

Concen: 0.839 ug/l

RT: 14.724 min Scan# 2174

Delta R.T. 0.000 min

Lab File: VN076888.D

Acq: 08 Mar 2023 19:59

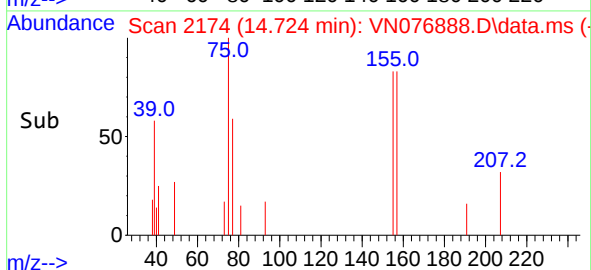
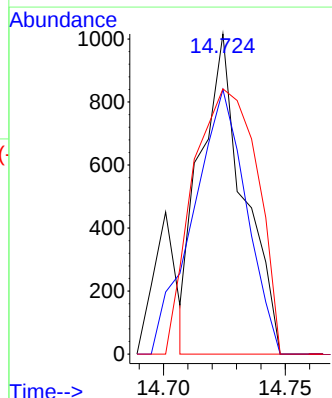
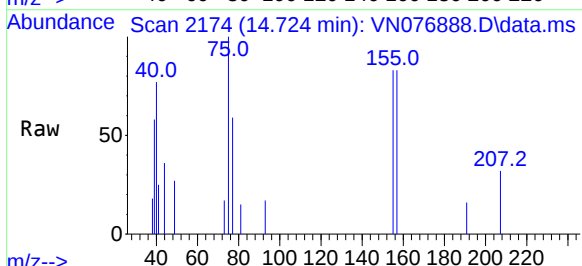
Tgt Ion: 75 Resp: 1263

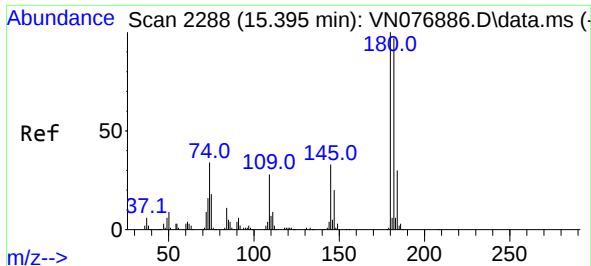
Ion Ratio Lower Upper

75 100

155 101.0 62.5 93.7#

157 122.5 77.5 116.3#





#89

1,2,4-Trichlorobenzene

Concen: 2.451 ug/l

RT: 15.389 min Scan# 21

Delta R.T. -0.006 min

Lab File: VN076888.D

Acq: 08 Mar 2023 19:59

Instrument :

MSVOA_N

ClientSampleId :

IBLK

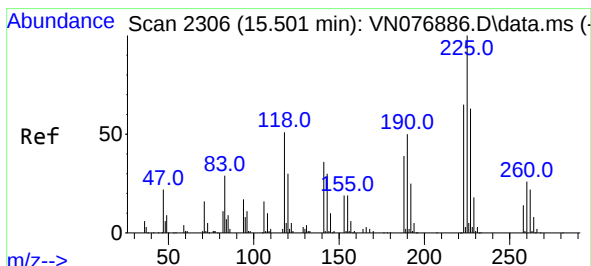
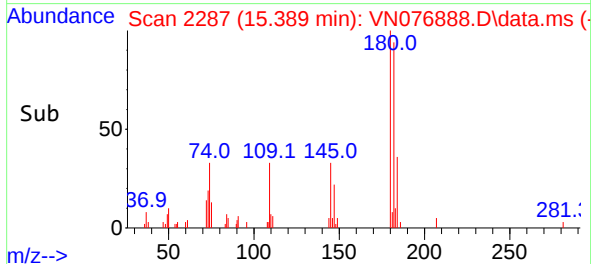
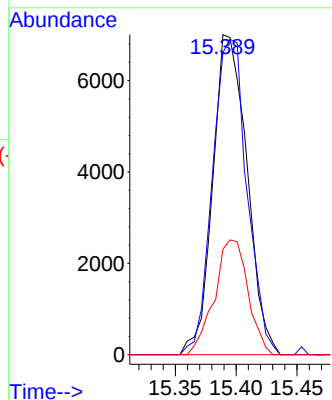
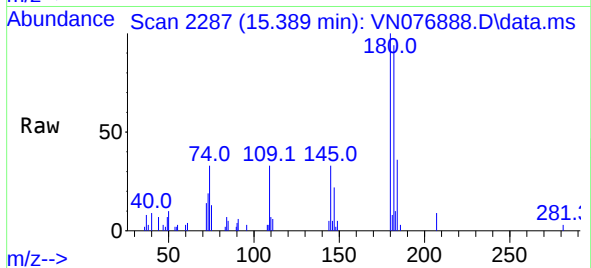
Tgt Ion:180 Resp: 13676

Ion Ratio Lower Upper

180 100

182 99.4 76.6 115.0

145 35.3 24.6 36.8



#90

Hexachlorobutadiene

Concen: 1.864 ug/l

RT: 15.501 min Scan# 2306

Delta R.T. 0.000 min

Lab File: VN076888.D

Acq: 08 Mar 2023 19:59

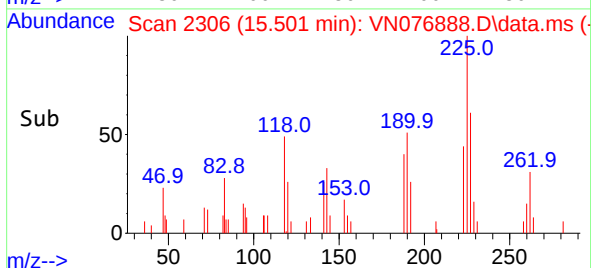
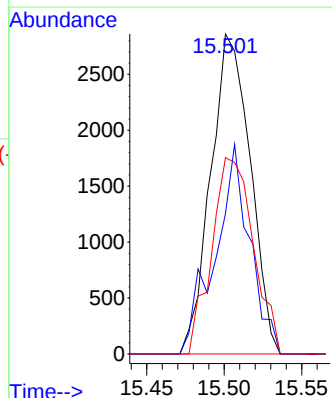
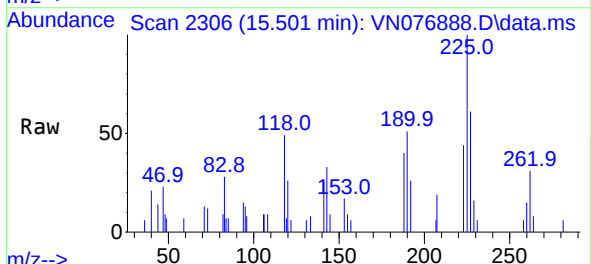
Tgt Ion:225 Resp: 5080

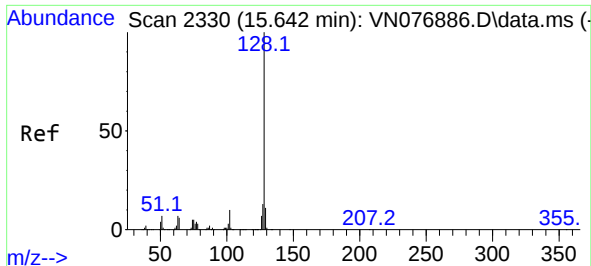
Ion Ratio Lower Upper

225 100

223 46.8 0.0 135.4

227 64.4 0.0 129.4

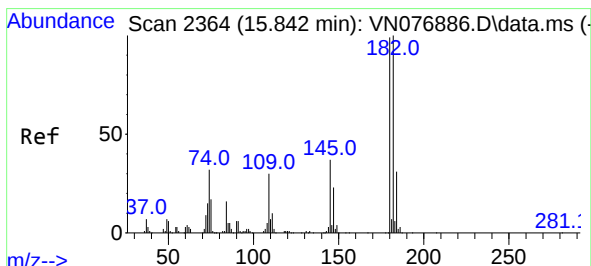
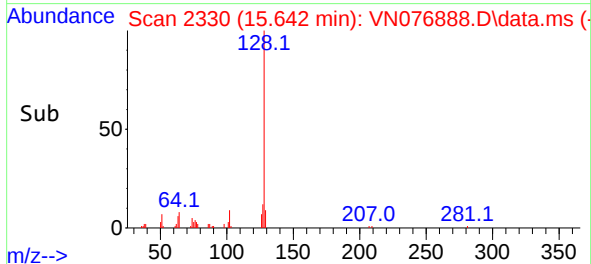
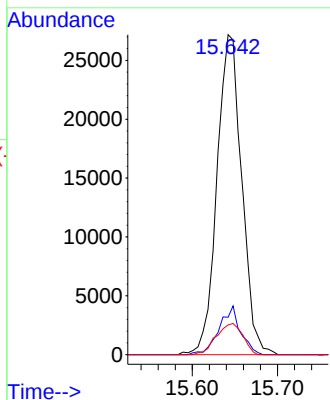
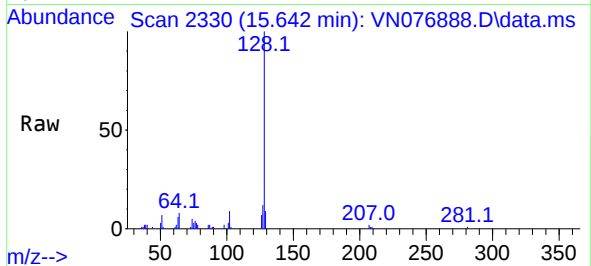




#91
Naphthalene
Concen: 3.072 ug/l
RT: 15.642 min Scan# 2330
Delta R.T. 0.000 min
Lab File: VN076888.D
Acq: 08 Mar 2023 19:59

Instrument :
MSVOA_N
ClientSampleId :
IBLK

Tgt Ion:	128	Resp:	54962
Ion Ratio	Lower	Upper	
128	100		
127	12.7	11.0	16.6
129	10.5	8.9	13.3



#92
1,2,3-Trichlorobenzene
Concen: 2.779 ug/l
RT: 15.842 min Scan# 2364
Delta R.T. 0.000 min
Lab File: VN076888.D
Acq: 08 Mar 2023 19:59

Tgt Ion:	180	Resp:	15768
Ion Ratio	Lower	Upper	
180	100		
182	86.6	0.0	190.8
145	37.4	0.0	65.0

