

Data Path : Z:\voasrv\HPCHEM1\MSVOA_N\Data\VN101922\
 Data File : VN074936.D
 Acq On : 19 Oct 2022 17:44
 Operator : JC\MD
 Sample : IBLK
 Misc : 5.0mL/MSVOA_N/WATER
 ALS Vial : 14 Sample Multiplier: 1

Instrument :
 MSVOA_N
 ClientSampleId :
 IBLK

Quant Time: Oct 20 06:19:48 2022
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA_N\methods\82N101922W.M
 Quant Title : SW846 8260
 QLast Update : Thu Oct 20 06:14:51 2022
 Response via : Initial Calibration

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

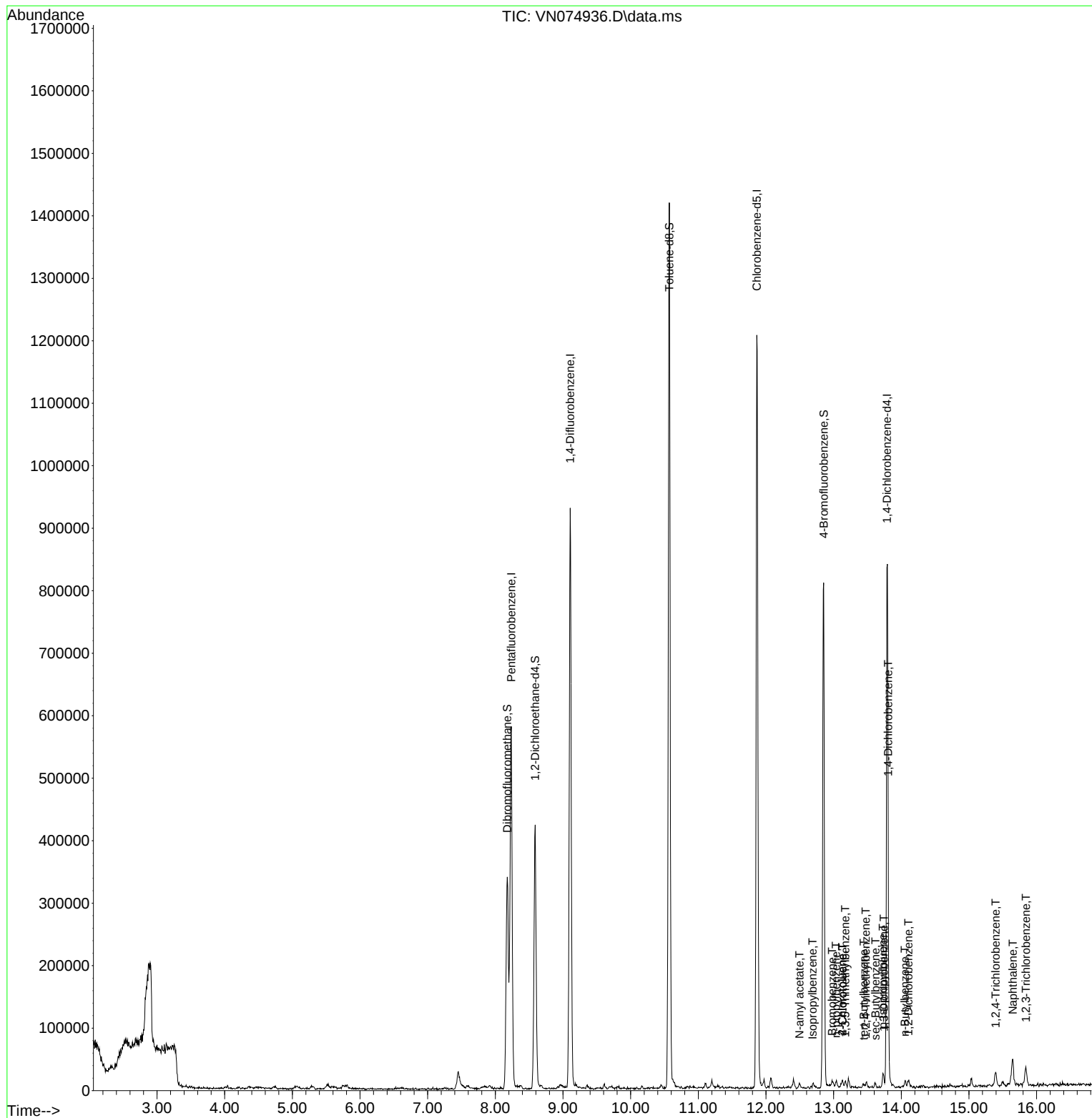
Internal Standards						
1) Pentafluorobenzene	8.235	168	426654	50.000	ug/l	0.00
34) 1,4-Difluorobenzene	9.106	114	787786	50.000	ug/l	0.00
63) Chlorobenzene-d5	11.865	117	673433	50.000	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.788	152	224226	50.000	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	8.588	65	296535	29.283	ug/l	0.00
Spiked Amount	50.000	Range	74 - 125	Recovery	=	58.560%#
35) Dibromofluoromethane	8.177	113	243062	28.131	ug/l	0.00
Spiked Amount	50.000	Range	75 - 124	Recovery	=	56.260%#
50) Toluene-d8	10.571	98	949567	27.093	ug/l	0.00
Spiked Amount	50.000	Range	86 - 113	Recovery	=	54.180%#
62) 4-Bromofluorobenzene	12.853	95	230071	24.029	ug/l	0.00
Spiked Amount	50.000	Range	83 - 123	Recovery	=	48.060%#
Target Compounds						
					Qvalue	
73) Isopropylbenzene	12.688	105	4742	0.231	ug/l	92
74) N-amyl acetate	12.494	43	5008	0.478	ug/l #	90
77) Bromobenzene	12.976	156	1946	0.426	ug/l	72
78) n-propylbenzene	13.035	91	8015	0.347	ug/l	89
79) 2-Chlorotoluene	13.129	91	5931	0.458	ug/l	89
80) 1,3,5-Trimethylbenzene	13.170	105	4843	0.305	ug/l	80
82) 4-Chlorotoluene	13.129	91	5931	0.458	ug/l	89
83) tert-Butylbenzene	13.447	119	3498	0.236	ug/l	95
84) 1,2,4-Trimethylbenzene	13.476	105	4621	0.305	ug/l	91
85) sec-Butylbenzene	13.618	105	5417	0.269	ug/l	95
86) p-Isopropyltoluene	13.729	119	5315	0.351	ug/l #	66
87) 1,3-Dichlorobenzene	13.741	146	6099	0.815	ug/l	84
88) 1,4-Dichlorobenzene	13.806	146	7701	1.032	ug/l #	30
89) n-Butylbenzene	14.053	91	7405	0.594	ug/l	95
91) 1,2-Dichlorobenzene	14.106	146	4545	0.610	ug/l	79
93) 1,2,4-Trichlorobenzene	15.394	180	7502	2.021	ug/l	93
95) Naphthalene	15.647	128	45611	3.286	ug/l	97
96) 1,2,3-Trichlorobenzene	15.841	180	10046	2.619	ug/l	95

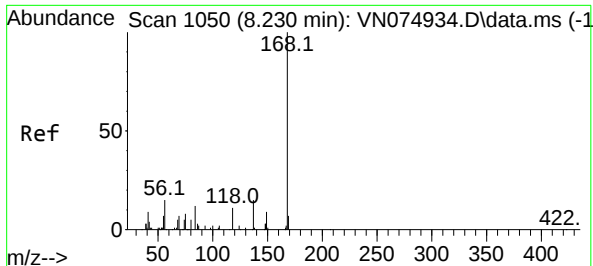
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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Quant Title : SW846 8260
QLast Update : Thu Oct 20 06:14:51 2022
Response via : Initial Calibration

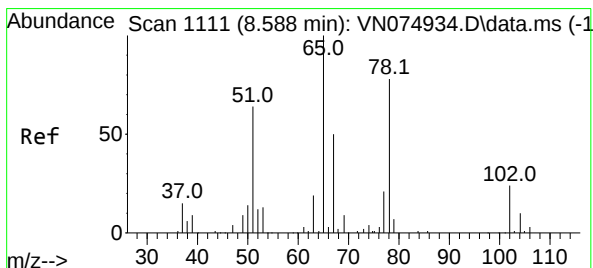
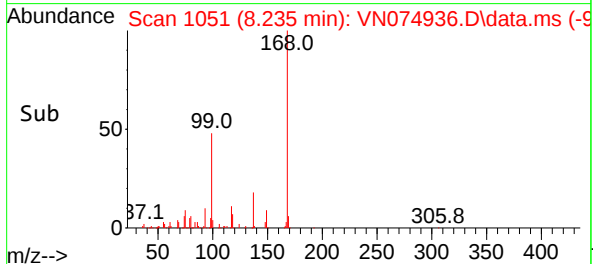
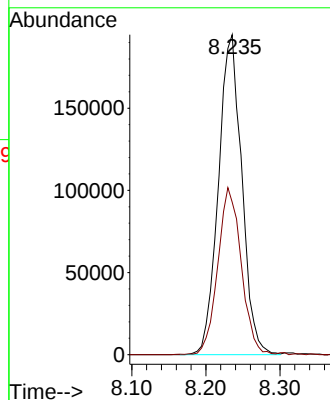
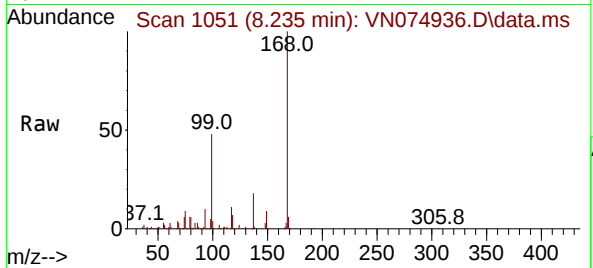




#1
Pentafluorobenzene
Concen: 50.000 ug/l
RT: 8.235 min Scan# 1051
Delta R.T. 0.005 min
Lab File: VN074936.D
Acq: 19 Oct 2022 17:44

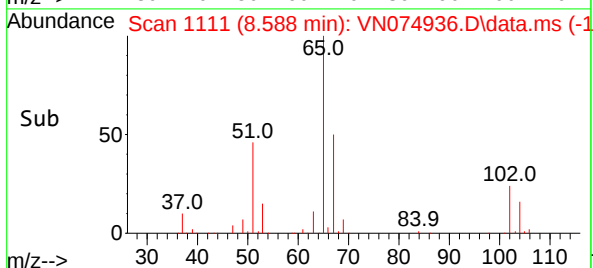
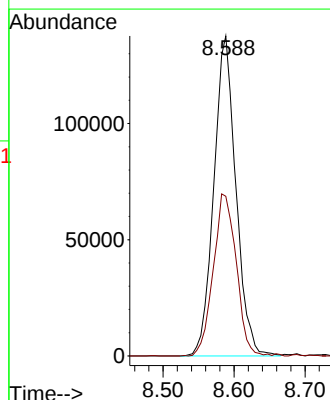
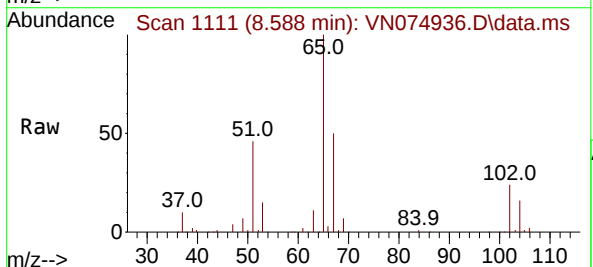
Instrument :
MSVOA_N
ClientSampleId :
IBLK

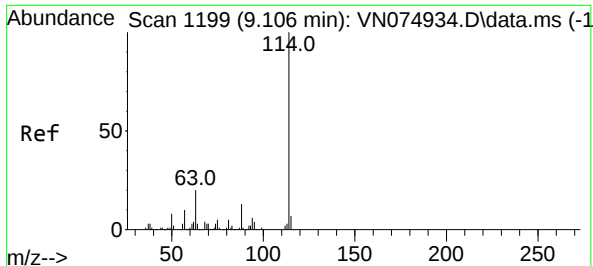
Tgt Ion:168 Resp: 426654
Ion Ratio Lower Upper
168 100
99 47.5 39.9 59.9



#33
1,2-Dichloroethane-d4
Concen: 29.283 ug/l
RT: 8.588 min Scan# 1111
Delta R.T. 0.000 min
Lab File: VN074936.D
Acq: 19 Oct 2022 17:44

Tgt Ion: 65 Resp: 296535
Ion Ratio Lower Upper
65 100
67 52.6 0.0 109.4





#34

1,4-Difluorobenzene

Concen: 50.000 ug/l

RT: 9.106 min Scan# 1199

Delta R.T. 0.000 min

Lab File: VN074936.D

Acq: 19 Oct 2022 17:44

Instrument :

MSVOA_N

ClientSampleId :

IBLK

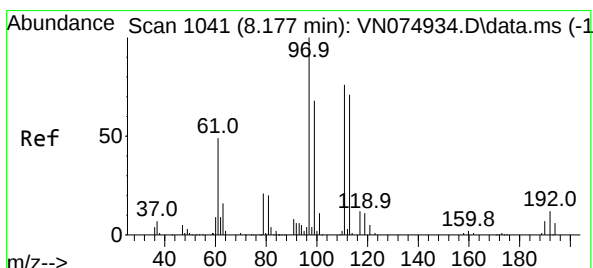
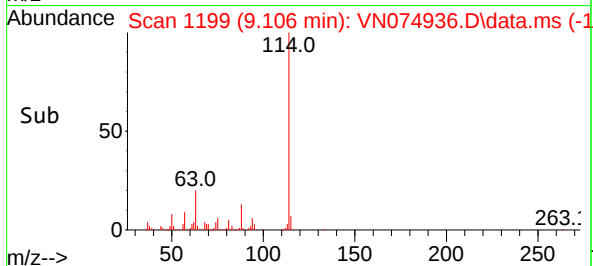
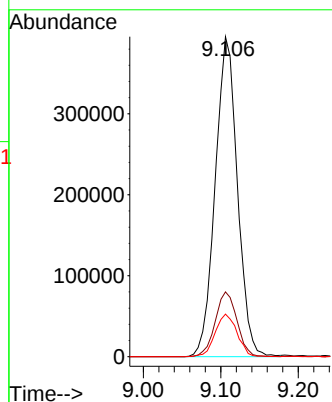
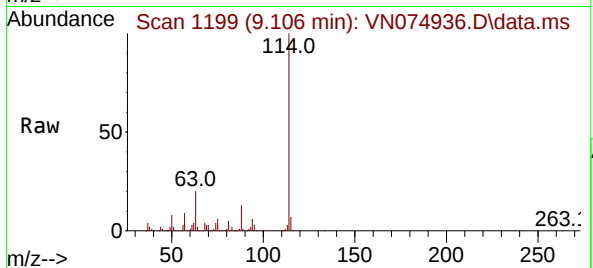
Tgt Ion:114 Resp: 787786

Ion Ratio Lower Upper

114 100

63 20.3 0.0 40.4

88 13.3 0.0 26.6



#35

Dibromofluoromethane

Concen: 28.131 ug/l

RT: 8.177 min Scan# 1041

Delta R.T. 0.000 min

Lab File: VN074936.D

Acq: 19 Oct 2022 17:44

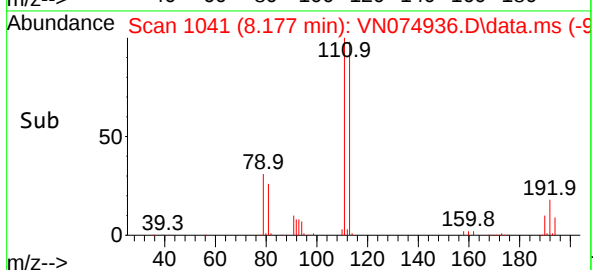
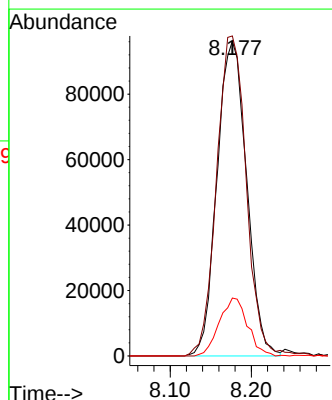
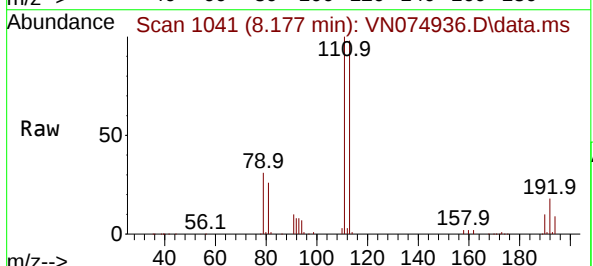
Tgt Ion:113 Resp: 243062

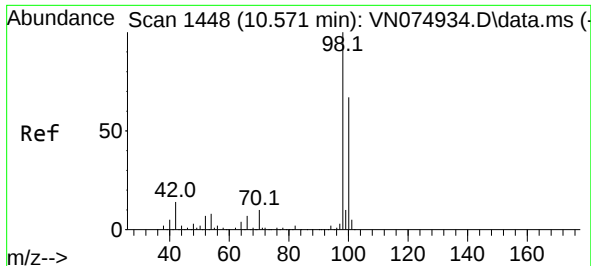
Ion Ratio Lower Upper

113 100

111 102.1 83.8 125.8

192 17.6 14.6 21.8

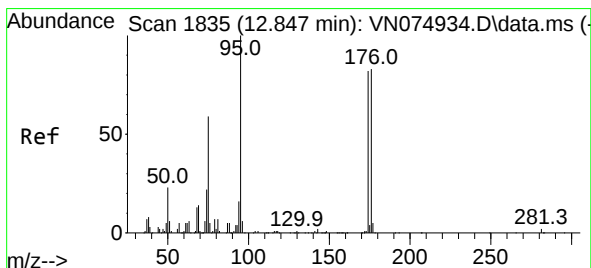
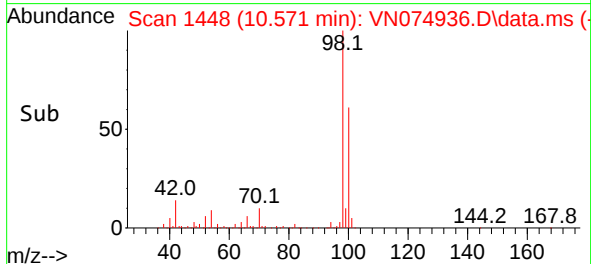
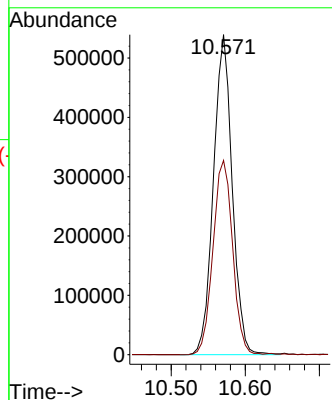
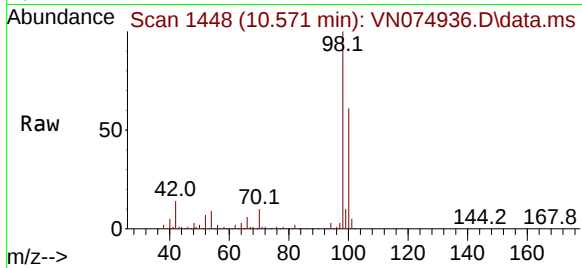




#50
Toluene-d8
Concen: 27.093 ug/l
RT: 10.571 min Scan# 1448
Delta R.T. 0.000 min
Lab File: VN074936.D
Acq: 19 Oct 2022 17:44

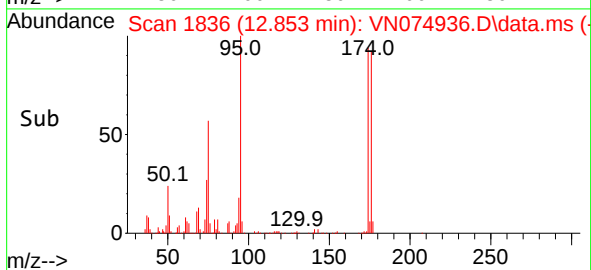
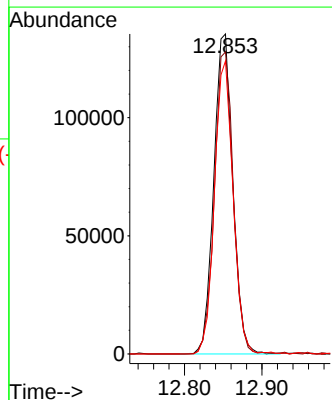
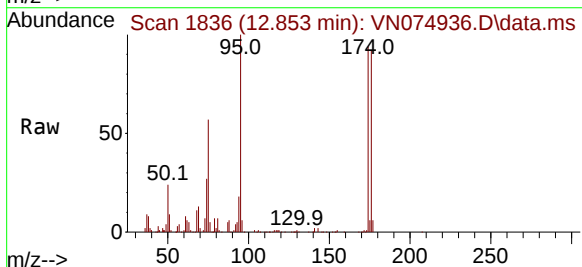
Instrument :
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IBLK

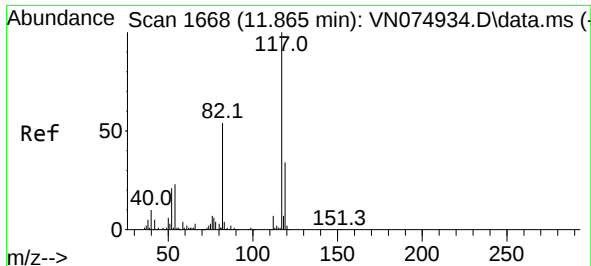
Tgt Ion: 98 Resp: 949567
Ion Ratio Lower Upper
98 100
100 63.3 52.1 78.1



#62
4-Bromofluorobenzene
Concen: 24.029 ug/l
RT: 12.853 min Scan# 1836
Delta R.T. 0.006 min
Lab File: VN074936.D
Acq: 19 Oct 2022 17:44

Tgt Ion: 95 Resp: 230071
Ion Ratio Lower Upper
95 100
174 93.6 0.0 182.8
176 90.4 0.0 173.8

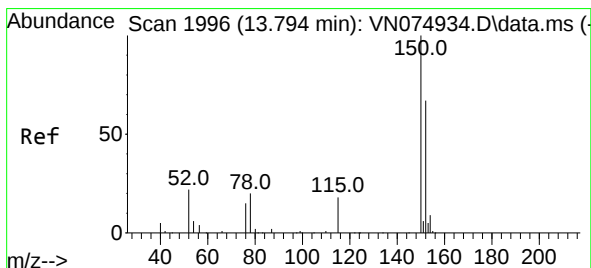
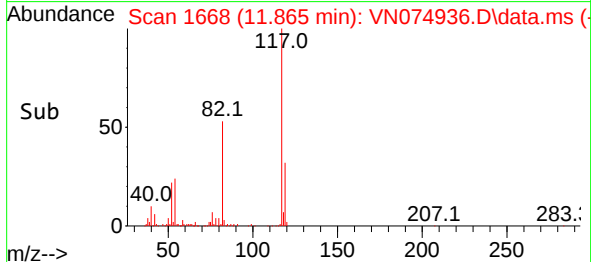
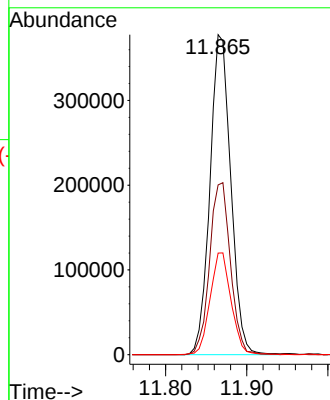
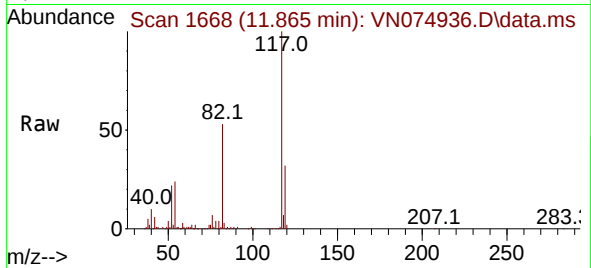




#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 11.865 min Scan# 11
Delta R.T. 0.000 min
Lab File: VN074936.D
Acq: 19 Oct 2022 17:44

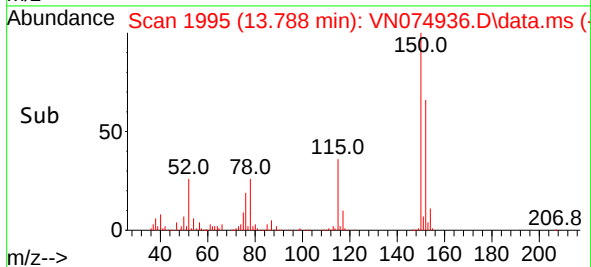
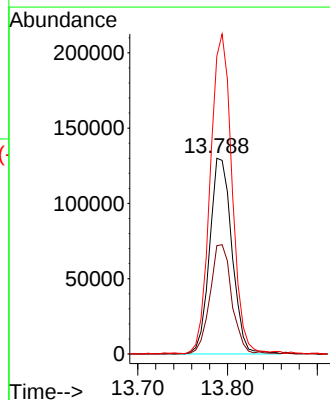
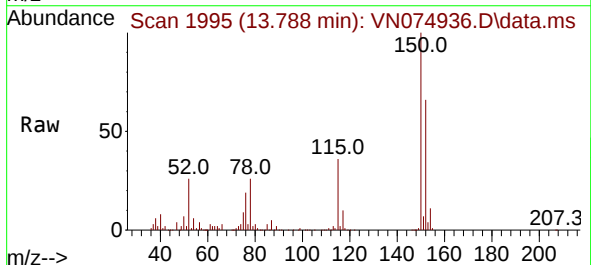
Instrument :
MSVOA_N
ClientSampleId :
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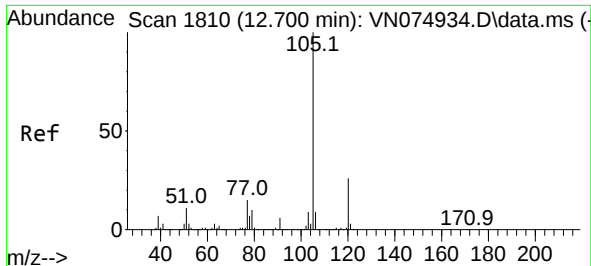
Tgt Ion:117 Resp: 673433
Ion Ratio Lower Upper
117 100
82 53.1 43.0 64.6
119 31.8 27.0 40.6



#72
1,4-Dichlorobenzene-d4
Concen: 50.000 ug/l
RT: 13.788 min Scan# 1995
Delta R.T. -0.006 min
Lab File: VN074936.D
Acq: 19 Oct 2022 17:44

Tgt Ion:152 Resp: 224226
Ion Ratio Lower Upper
152 100
115 55.3 28.2 84.6
150 160.1 0.0 352.0

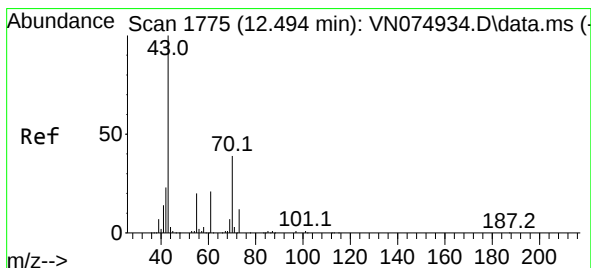
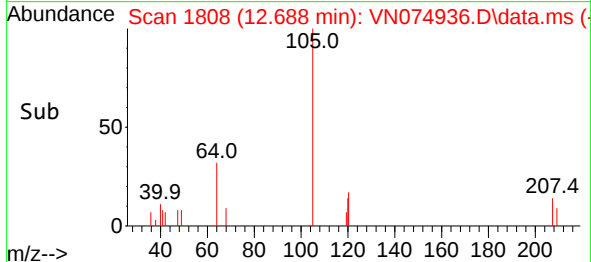
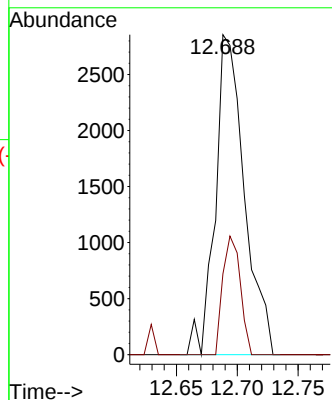
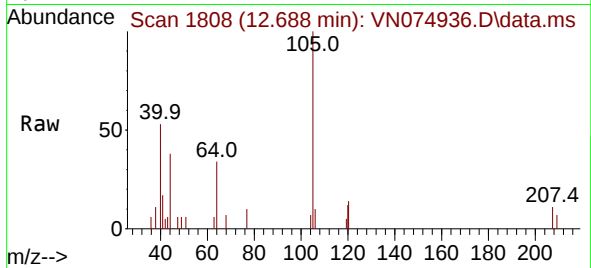




#73
Isopropylbenzene
Concen: 0.231 ug/l
RT: 12.688 min Scan# 1808
Delta R.T. -0.012 min
Lab File: VN074936.D
Acq: 19 Oct 2022 17:44

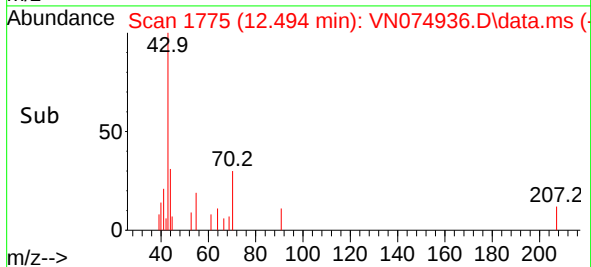
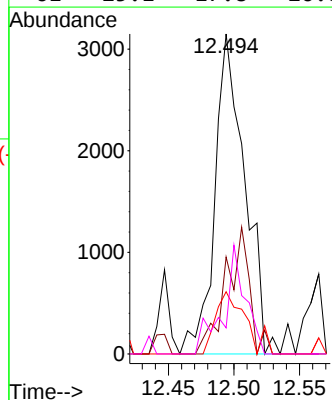
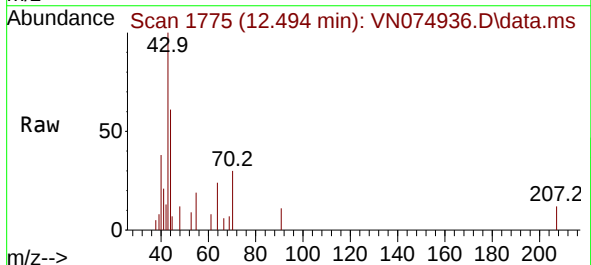
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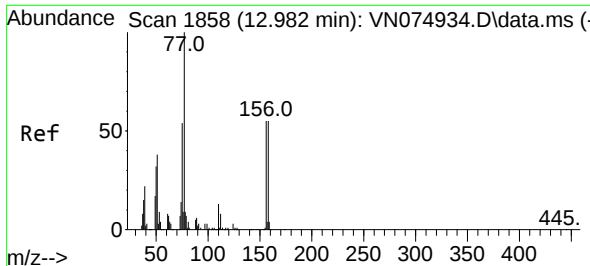
Tgt Ion:105 Resp: 4742
Ion Ratio Lower Upper
105 100
120 22.2 13.3 39.9



#74
N-ethyl acetate
Concen: 0.478 ug/l
RT: 12.494 min Scan# 1775
Delta R.T. 0.000 min
Lab File: VN074936.D
Acq: 19 Oct 2022 17:44

Tgt Ion: 43 Resp: 5008
Ion Ratio Lower Upper
43 100
70 31.5 32.9 49.3#
55 19.6 17.7 26.5
61 25.1 17.8 26.8

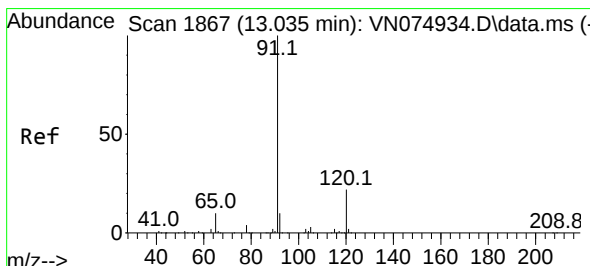
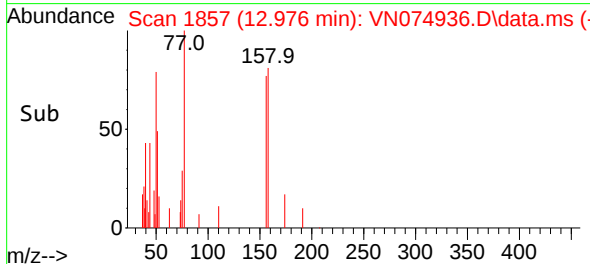
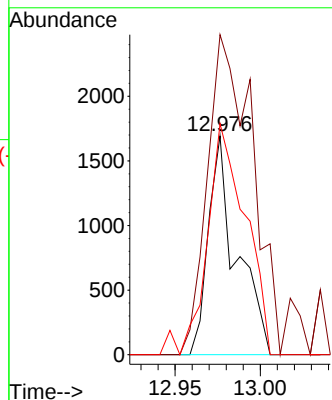
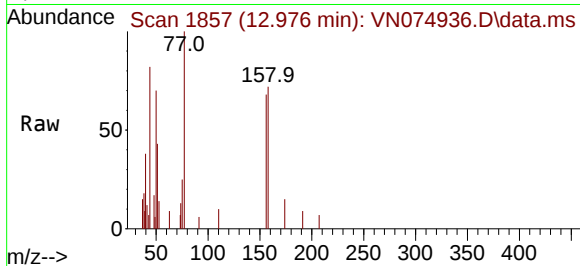




#77
Bromobenzene
Concen: 0.426 ug/l
RT: 12.976 min Scan# 1857
Delta R.T. -0.006 min
Lab File: VN074936.D
Acq: 19 Oct 2022 17:44

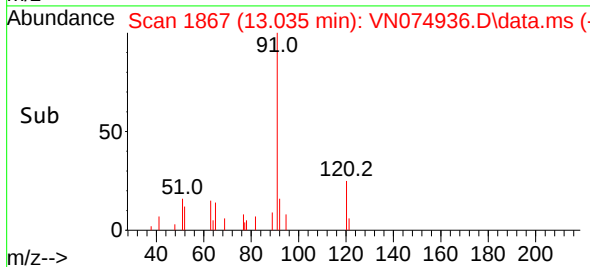
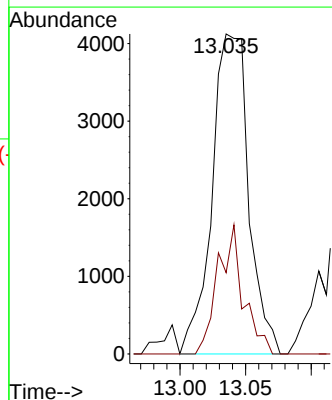
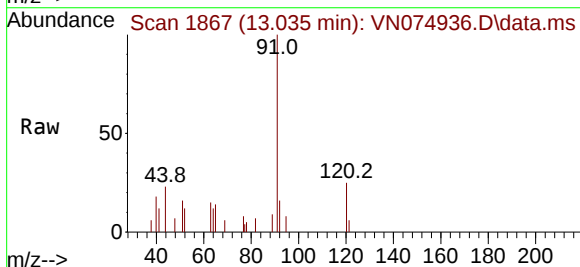
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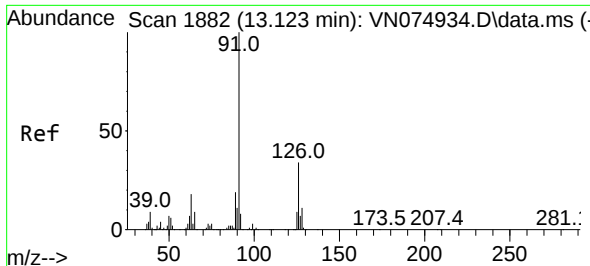
Tgt Ion:156 Resp: 1946
Ion Ratio Lower Upper
156 100
77 246.2 107.8 323.6
158 143.8 48.2 144.6



#78
n-propylbenzene
Concen: 0.347 ug/l
RT: 13.035 min Scan# 1867
Delta R.T. 0.000 min
Lab File: VN074936.D
Acq: 19 Oct 2022 17:44

Tgt Ion: 91 Resp: 8015
Ion Ratio Lower Upper
91 100
120 28.0 11.3 33.9

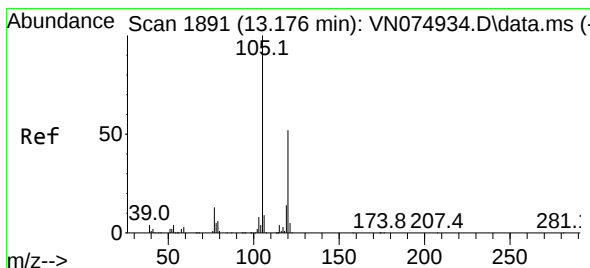
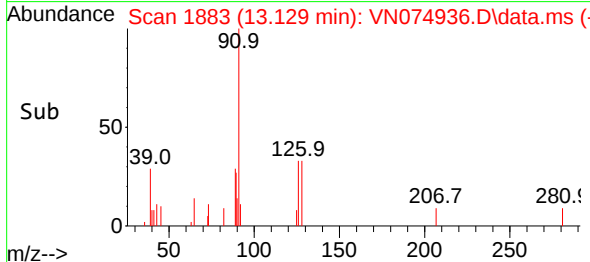
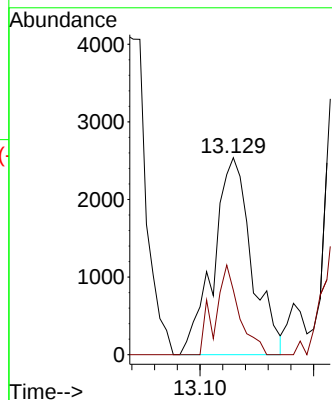
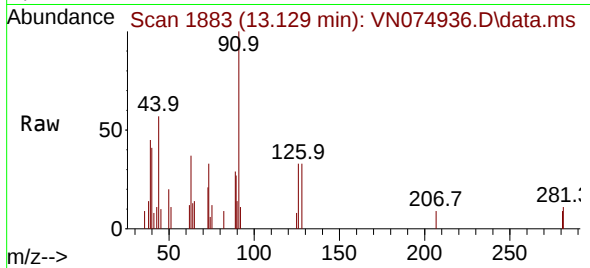




#79
2-Chlorotoluene
Concen: 0.458 ug/l
RT: 13.129 min Scan# 1883
Delta R.T. 0.006 min
Lab File: VN074936.D
Acq: 19 Oct 2022 17:44

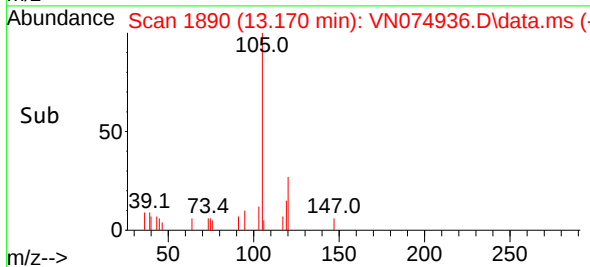
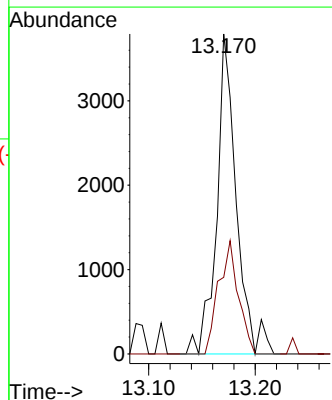
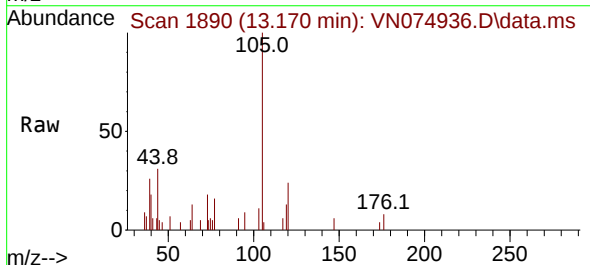
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MSVOA_N
ClientSampleId :
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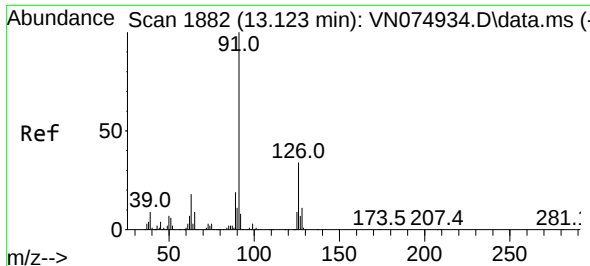
Tgt Ion: 91 Resp: 5931
Ion Ratio Lower Upper
91 100
126 28.6 17.4 52.3



#80
1,3,5-Trimethylbenzene
Concen: 0.305 ug/l
RT: 13.170 min Scan# 1890
Delta R.T. -0.006 min
Lab File: VN074936.D
Acq: 19 Oct 2022 17:44

Tgt Ion: 105 Resp: 4843
Ion Ratio Lower Upper
105 100
120 35.6 24.7 74.1

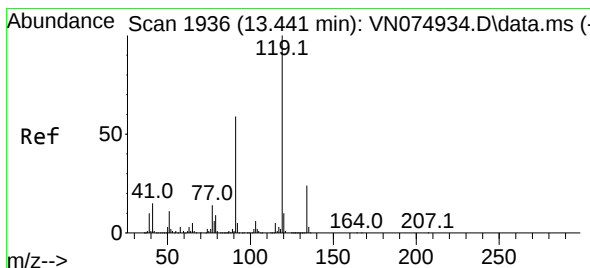
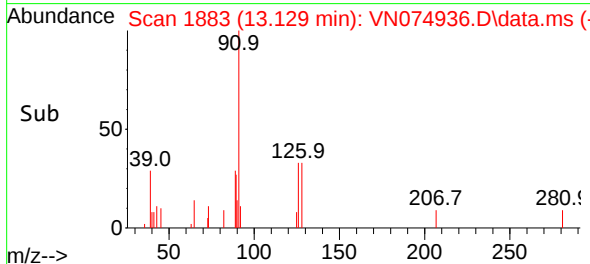
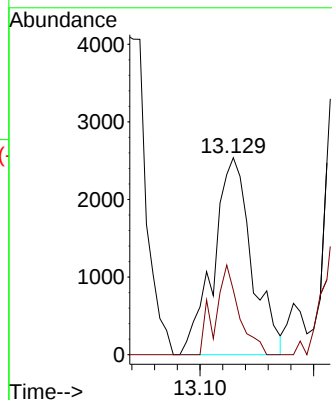
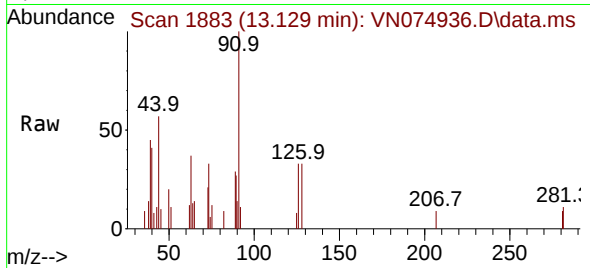




#82
4-Chlorotoluene
Concen: 0.458 ug/l
RT: 13.129 min Scan# 1882
Delta R.T. 0.006 min
Lab File: VN074936.D
Acq: 19 Oct 2022 17:44

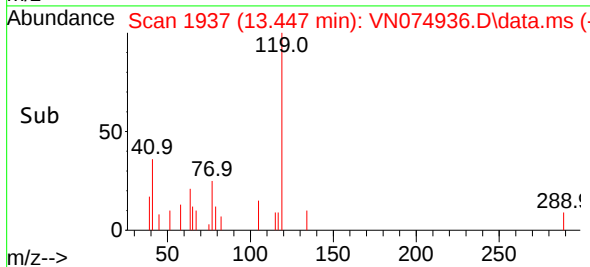
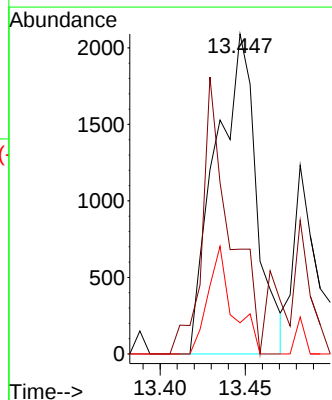
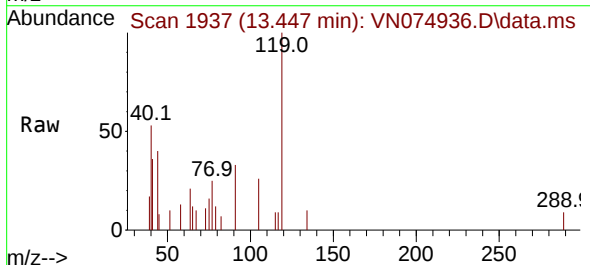
Instrument :
MSVOA_N
ClientSampleId :
IBLK

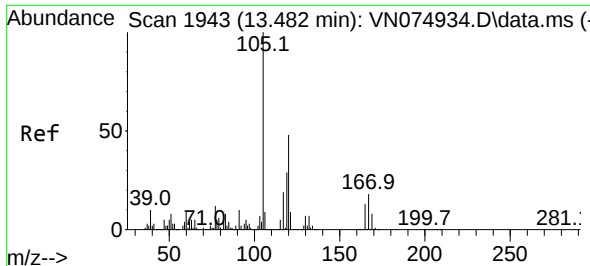
Tgt Ion: 91 Resp: 5931
Ion Ratio Lower Upper
91 100
126 28.6 17.4 52.3



#83
tert-Butylbenzene
Concen: 0.236 ug/l
RT: 13.447 min Scan# 1937
Delta R.T. 0.006 min
Lab File: VN074936.D
Acq: 19 Oct 2022 17:44

Tgt Ion: 119 Resp: 3498
Ion Ratio Lower Upper
119 100
91 58.6 29.8 89.5
134 20.5 13.5 40.5

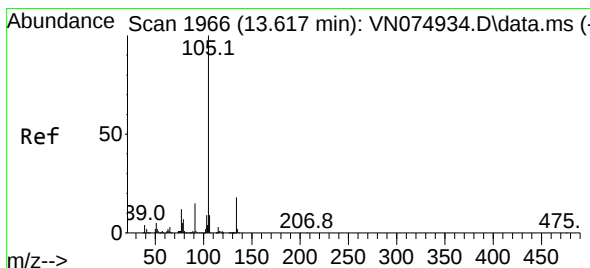
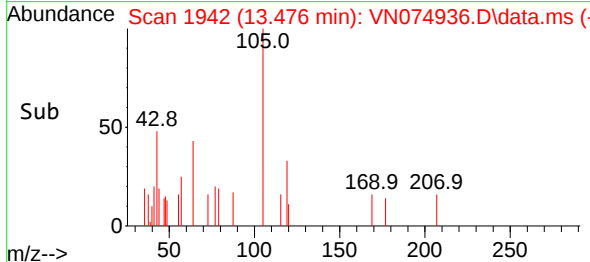
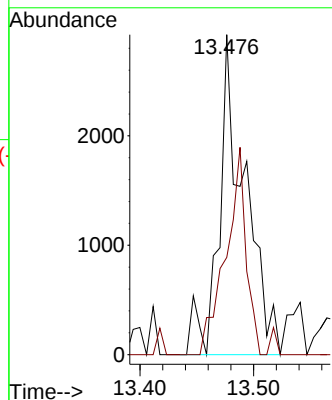
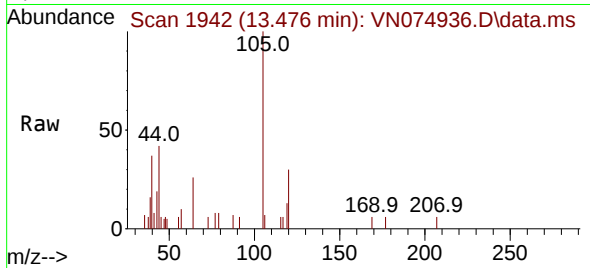




#84
1,2,4-Trimethylbenzene
Concen: 0.305 ug/l
RT: 13.476 min Scan# 1942
Delta R.T. -0.006 min
Lab File: VN074936.D
Acq: 19 Oct 2022 17:44

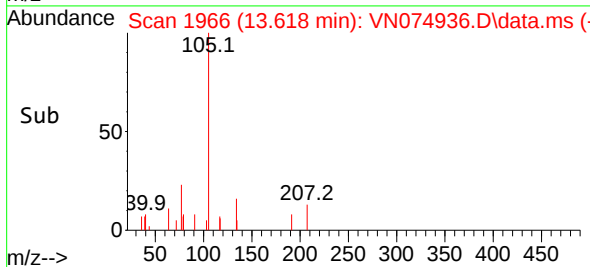
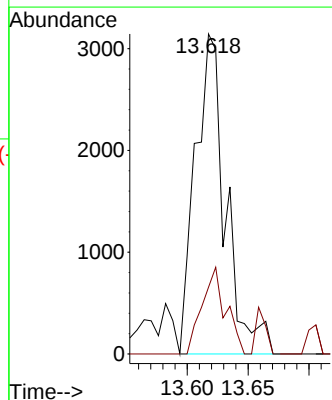
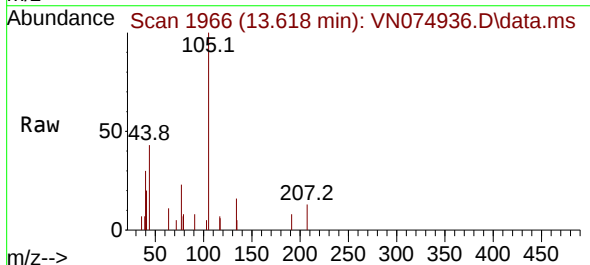
Instrument :
MSVOA_N
ClientSampleId :
IBLK

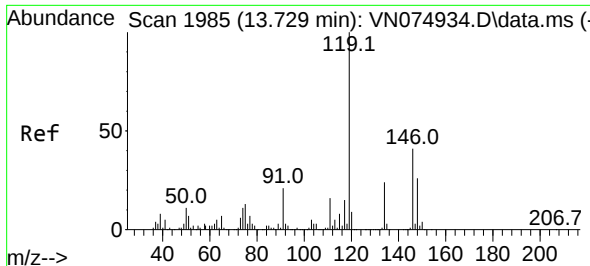
Tgt Ion:105 Resp: 4621
Ion Ratio Lower Upper
105 100
120 50.8 22.4 67.3



#85
sec-Butylbenzene
Concen: 0.269 ug/l
RT: 13.618 min Scan# 1966
Delta R.T. 0.000 min
Lab File: VN074936.D
Acq: 19 Oct 2022 17:44

Tgt Ion:105 Resp: 5417
Ion Ratio Lower Upper
105 100
134 21.4 9.6 28.6

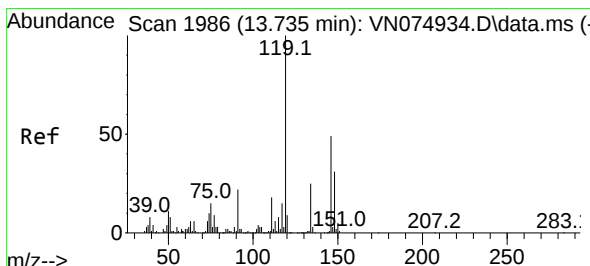
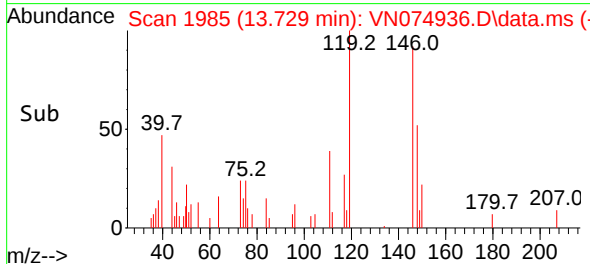
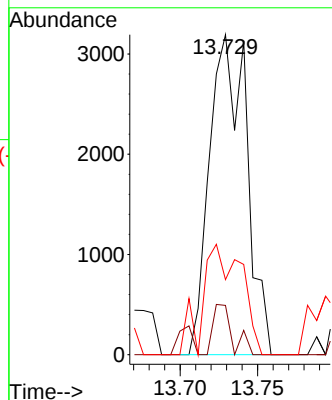
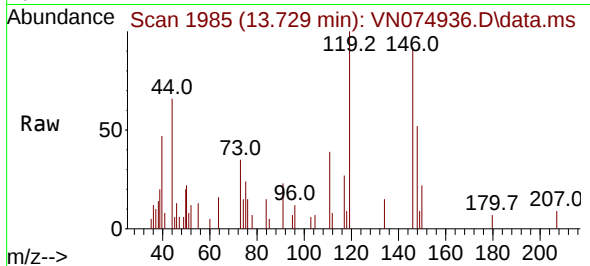




#86
p-Isopropyltoluene
Concen: 0.351 ug/l
RT: 13.729 min Scan# 1985
Delta R.T. 0.000 min
Lab File: VN074936.D
Acq: 19 Oct 2022 17:44

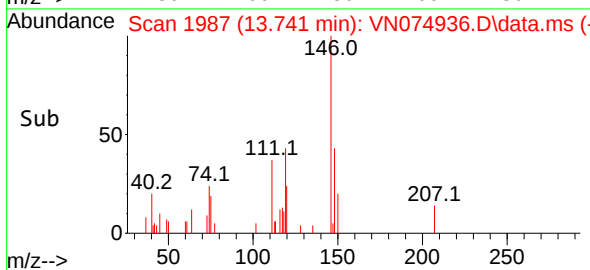
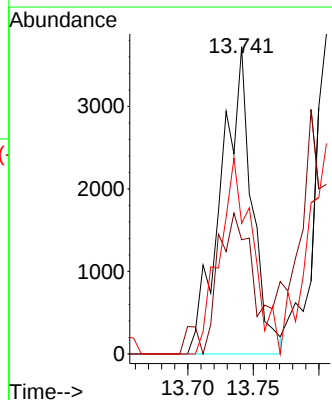
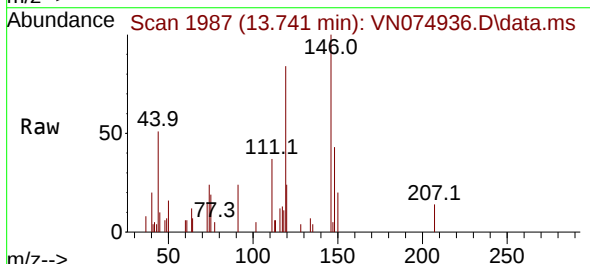
Instrument :
MSVOA_N
ClientSampleId :
IBLK

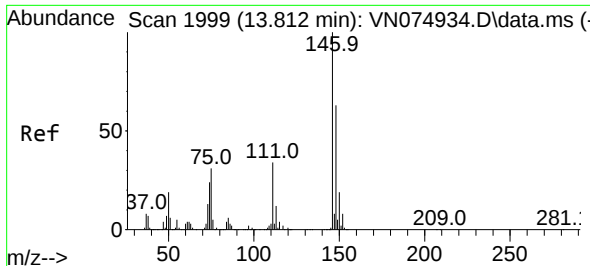
Tgt Ion:119 Resp: 5315
Ion Ratio Lower Upper
119 100
134 8.2 12.9 38.7#
91 36.4 10.5 31.5#



#87
1,3-Dichlorobenzene
Concen: 0.815 ug/l
RT: 13.741 min Scan# 1987
Delta R.T. 0.006 min
Lab File: VN074936.D
Acq: 19 Oct 2022 17:44

Tgt Ion:146 Resp: 6099
Ion Ratio Lower Upper
146 100
111 56.7 19.1 57.5
148 67.7 31.3 93.8

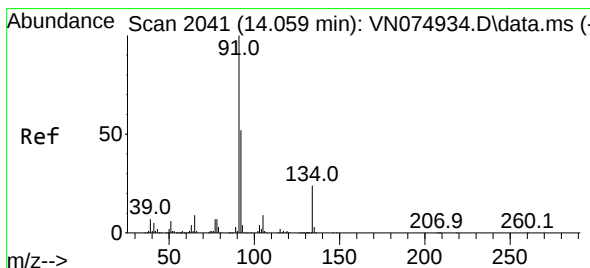
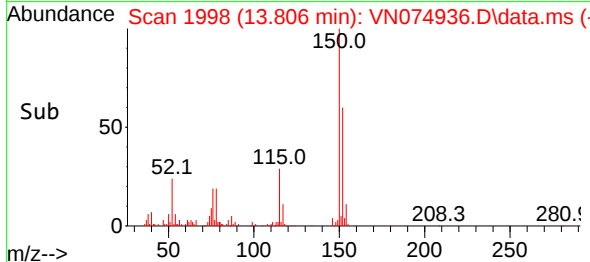
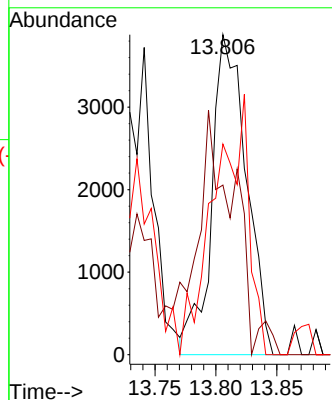
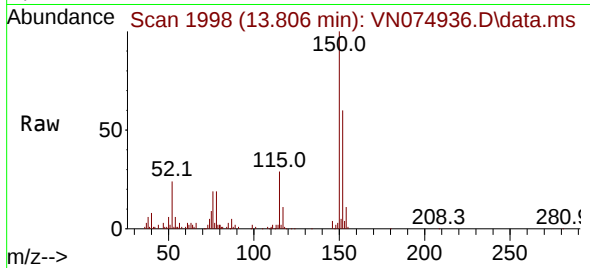




#88
 1,4-Dichlorobenzene
 Concen: 1.032 ug/l
 RT: 13.806 min Scan# 1998
 Delta R.T. -0.006 min
 Lab File: VN074936.D
 Acq: 19 Oct 2022 17:44

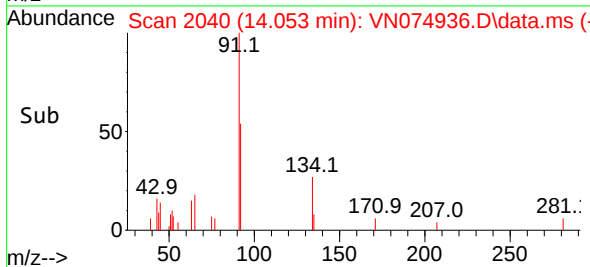
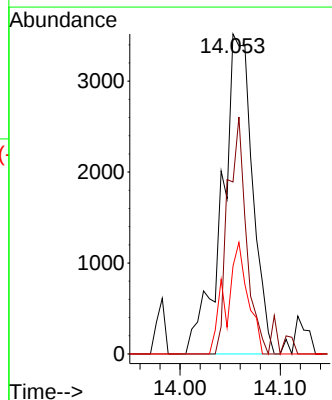
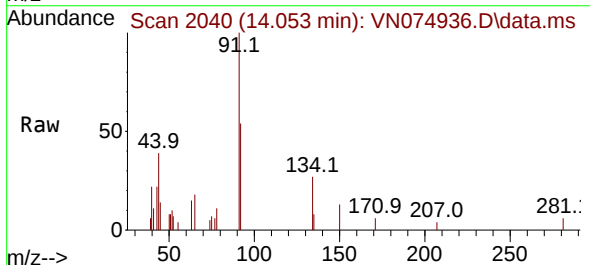
Instrument :
 MSVOA_N
 ClientSampleId :
 IBLK

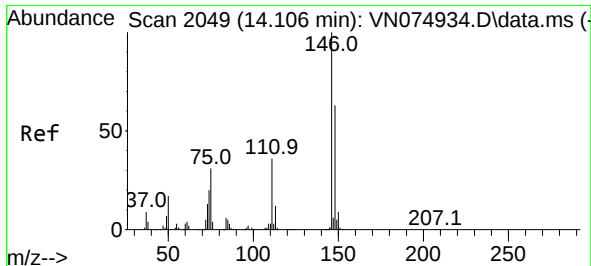
Tgt Ion:146 Resp: 7701
 Ion Ratio Lower Upper
 146 100
 111 66.0 18.0 54.0#
 148 0.0 31.6 95.0#



#89
 n-Butylbenzene
 Concen: 0.594 ug/l
 RT: 14.053 min Scan# 2040
 Delta R.T. -0.006 min
 Lab File: VN074936.D
 Acq: 19 Oct 2022 17:44

Tgt Ion: 91 Resp: 7405
 Ion Ratio Lower Upper
 91 100
 92 45.0 25.0 75.0
 134 24.8 12.0 36.0

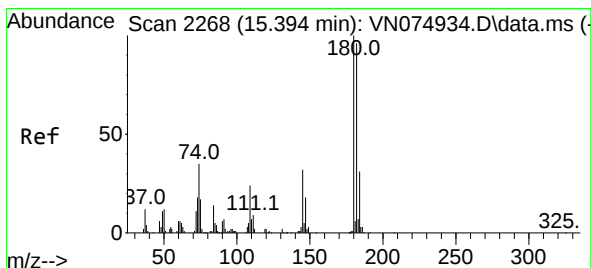
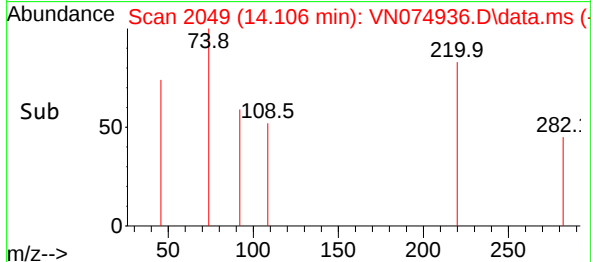
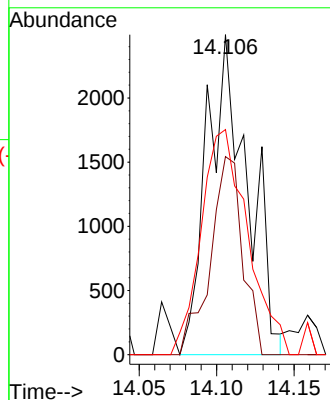
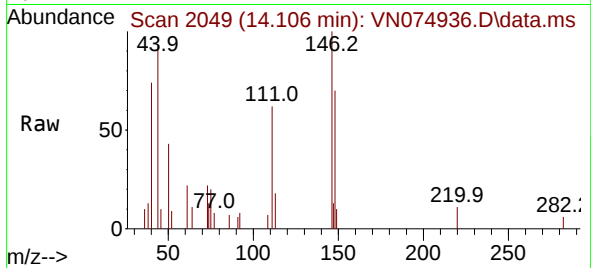




#91
1,2-Dichlorobenzene
Concen: 0.610 ug/l
RT: 14.106 min Scan# 2049
Delta R.T. 0.000 min
Lab File: VN074936.D
Acq: 19 Oct 2022 17:44

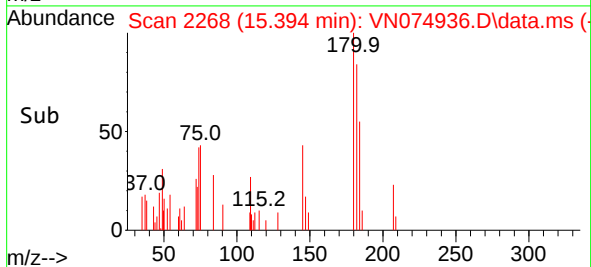
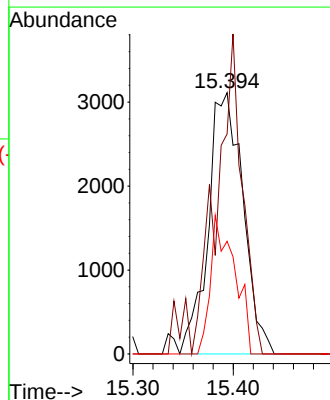
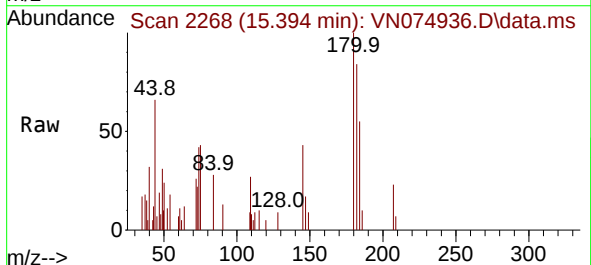
Instrument :
MSVOA_N
ClientSampleId :
IBLK

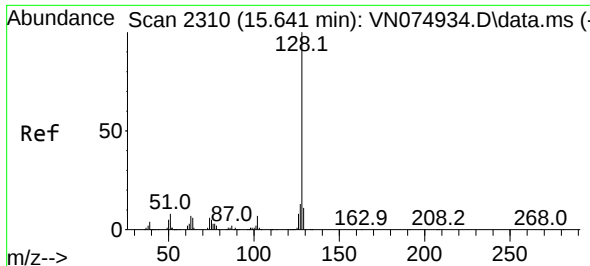
Tgt Ion:	146	Resp:	4545
Ion Ratio	Lower	Upper	
146	100		
111	49.4	19.3	57.8
148	80.4	31.4	94.0



#93
1,2,4-Trichlorobenzene
Concen: 2.021 ug/l
RT: 15.394 min Scan# 2268
Delta R.T. -0.000 min
Lab File: VN074936.D
Acq: 19 Oct 2022 17:44

Tgt Ion:	180	Resp:	7502
Ion Ratio	Lower	Upper	
180	100		
182	90.3	47.9	143.8
145	36.8	15.0	45.1

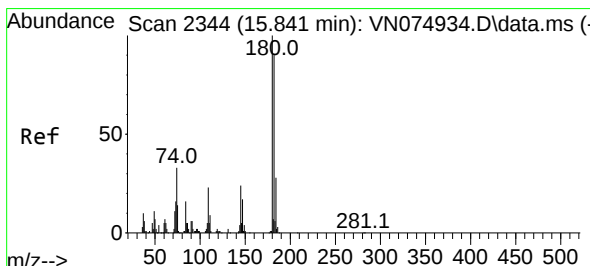
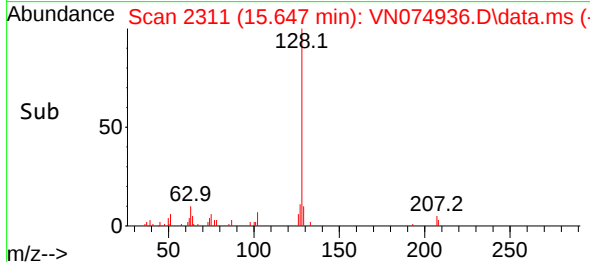
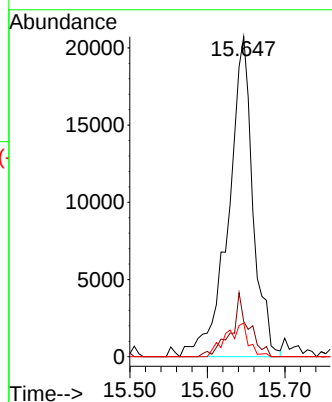
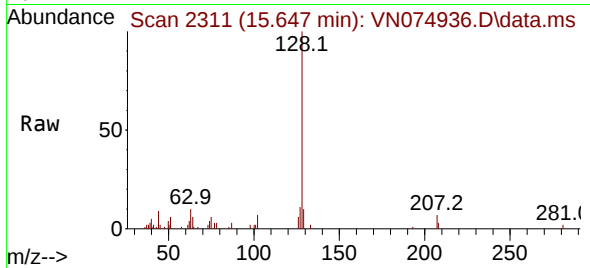




#95
Naphthalene
Concen: 3.286 ug/l
RT: 15.647 min Scan# 2311
Delta R.T. 0.006 min
Lab File: VN074936.D
Acq: 19 Oct 2022 17:44

Instrument :
MSVOA_N
ClientSampleId :
IBLK

Tgt Ion:128 Resp: 45611
Ion Ratio Lower Upper
128 100
127 14.4 10.4 15.6
129 9.7 8.6 12.8



#96
1,2,3-Trichlorobenzene
Concen: 2.619 ug/l
RT: 15.841 min Scan# 2344
Delta R.T. 0.000 min
Lab File: VN074936.D
Acq: 19 Oct 2022 17:44

Tgt Ion:180 Resp: 10046
Ion Ratio Lower Upper
180 100
182 89.0 46.0 138.0
145 32.4 13.6 40.7

