

Data Path : Z:\voasrv\HPCHEM1\MSVOA_N\Data\VN072023\
 Data File : VN078589.D
 Acq On : 20 Jul 2023 12:57
 Operator : JC\MD
 Sample : 03668-05DL 4X
 Misc : 5.0mL/MSVOA_N/WATER
 ALS Vial : 7 Sample Multiplier: 1

Instrument :
 MSVOA_N
 ClientSampleId :
 N48719DL

Quant Time: Jul 21 06:10:29 2023
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA_N\methods\82N071023W.M
 Quant Title : SW846 8260
 QLast Update : Mon Jul 10 16:13:53 2023
 Response via : Initial Calibration

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

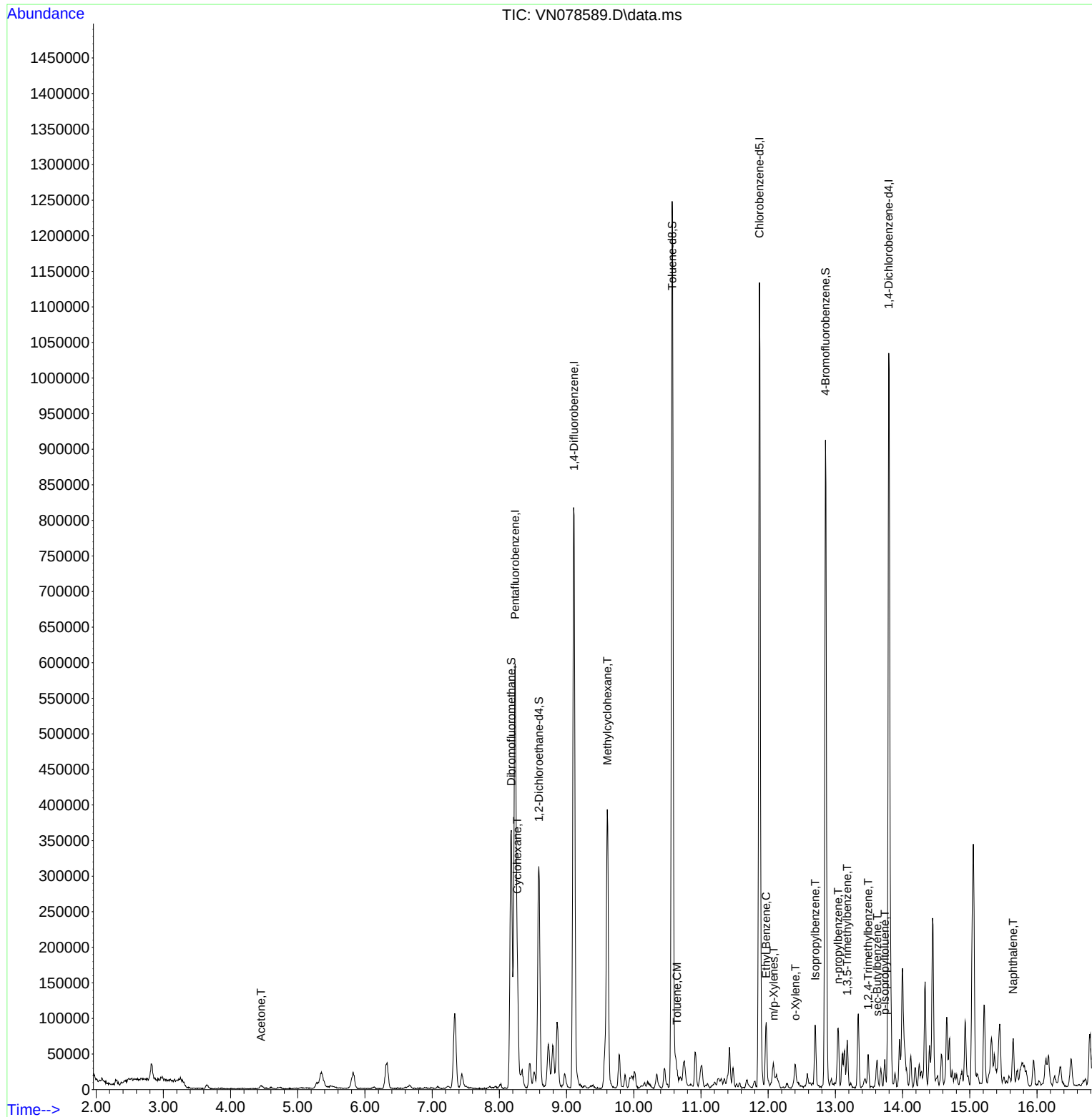
Internal Standards						
1) Pentafluorobenzene	8.235	168	406599	50.000	ug/l	0.00
34) 1,4-Difluorobenzene	9.112	114	731422	50.000	ug/l	0.00
63) Chlorobenzene-d5	11.871	117	683455	50.000	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.794	152	285123	50.000	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	8.588	65	263366	48.316	ug/l	0.00
Spiked Amount 50.000	Range 74 - 125		Recovery =	96.640%		
35) Dibromofluoromethane	8.177	113	271987	54.780	ug/l	0.00
Spiked Amount 50.000	Range 75 - 124		Recovery =	109.560%		
50) Toluene-d8	10.571	98	864863	46.109	ug/l	0.00
Spiked Amount 50.000	Range 86 - 113		Recovery =	92.220%		
62) 4-Bromofluorobenzene	12.853	95	320025	55.392	ug/l	0.00
Spiked Amount 50.000	Range 83 - 123		Recovery =	110.780%		
Target Compounds						
					Qvalue	
16) Acetone	4.453	43	7817	4.604	ug/l	97
31) Cyclohexane	8.265	56	89852	12.197	ug/l	88
39) Methylcyclohexane	9.606	83	169284	25.869	ug/l #	87
52) Toluene	10.641	92	7268	0.552	ug/l	96
67) Ethyl Benzene	11.970	91	47885	1.854	ug/l	95
68) m/p-Xylenes	12.082	106	12143	1.272	ug/l	96
69) o-Xylene	12.406	106	7759	0.805	ug/l	88
73) Isopropylbenzene	12.700	105	57977	2.164	ug/l	100
78) n-propylbenzene	13.041	91	66248	2.312	ug/l	100
80) 1,3,5-Trimethylbenzene	13.176	105	35196	1.663	ug/l	97
84) 1,2,4-Trimethylbenzene	13.488	105	23750	1.155	ug/l	92
85) sec-Butylbenzene	13.623	105	22331	0.983	ug/l	81
86) p-Isopropyltoluene	13.735	119	15035	0.824	ug/l	88
95) Naphthalene	15.647	128	60872	5.451	ug/l	96

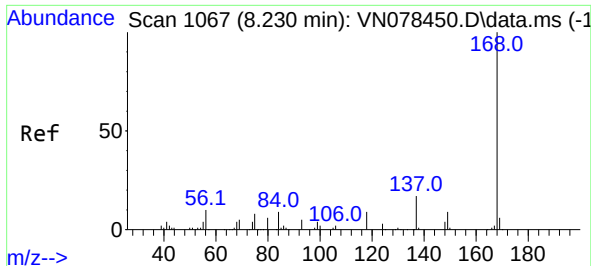
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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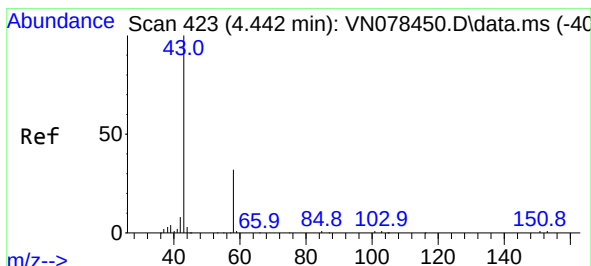
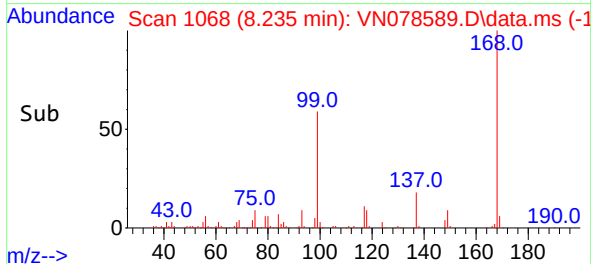
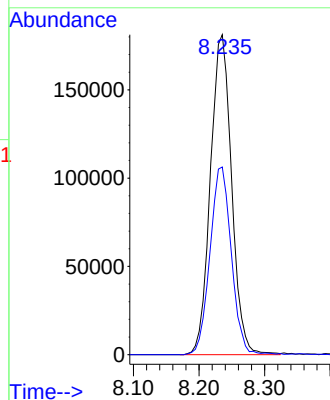
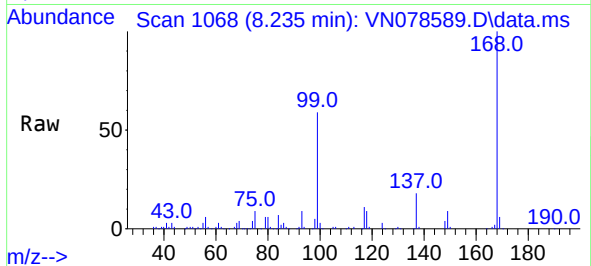




#1
Pentafluorobenzene
Concen: 50.000 ug/l
RT: 8.235 min Scan# 1067
Delta R.T. 0.005 min
Lab File: VN078589.D
Acq: 20 Jul 2023 12:57

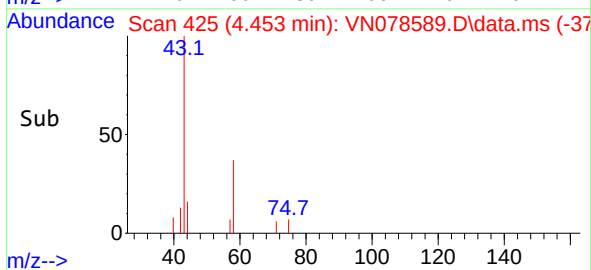
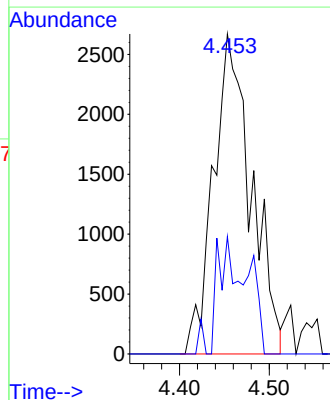
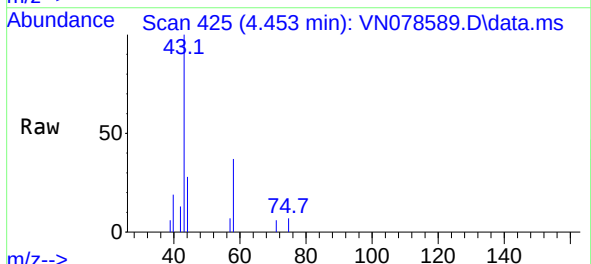
Instrument :
MSVOA_N
ClientSampleId :
N48719DL

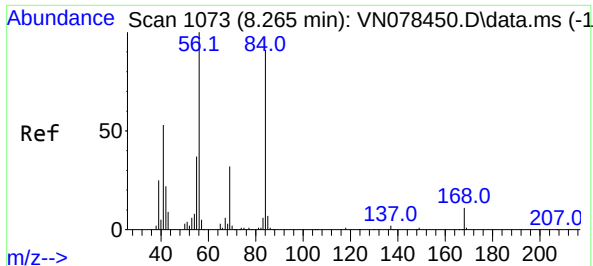
Tgt Ion:168 Resp: 406599
Ion Ratio Lower Upper
168 100
99 58.7 53.0 79.6



#16
Acetone
Concen: 4.604 ug/l
RT: 4.453 min Scan# 425
Delta R.T. 0.011 min
Lab File: VN078589.D
Acq: 20 Jul 2023 12:57

Tgt Ion: 43 Resp: 7817
Ion Ratio Lower Upper
43 100
58 36.7 28.0 42.0

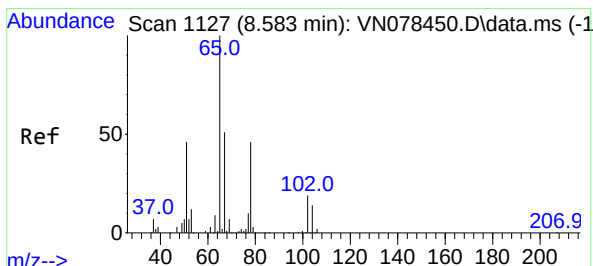
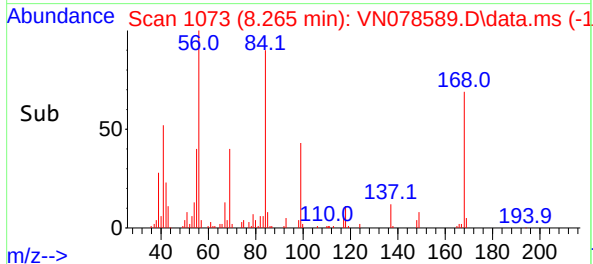
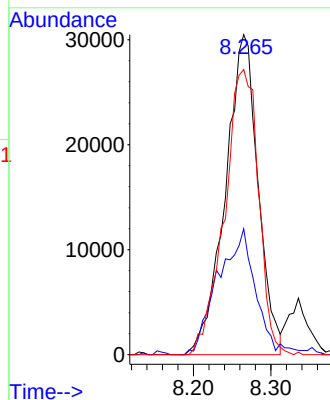
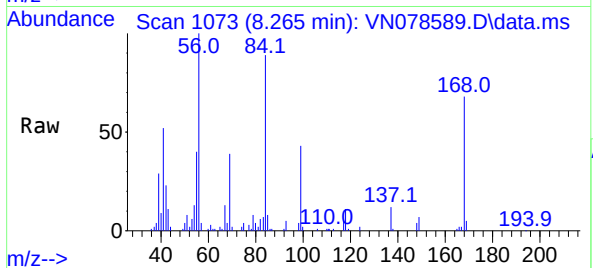




#31
Cyclohexane
Concen: 12.197 ug/l
RT: 8.265 min Scan# 1107
Delta R.T. -0.000 min
Lab File: VN078589.D
Acq: 20 Jul 2023 12:57

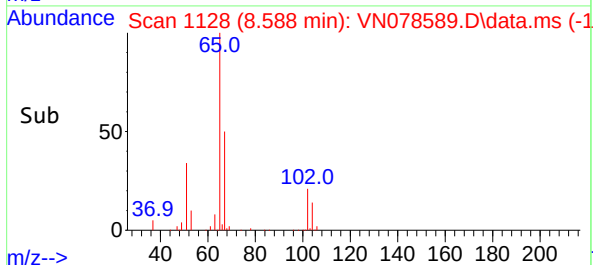
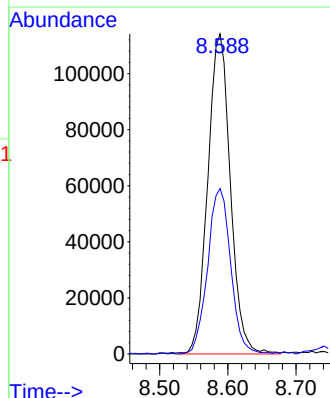
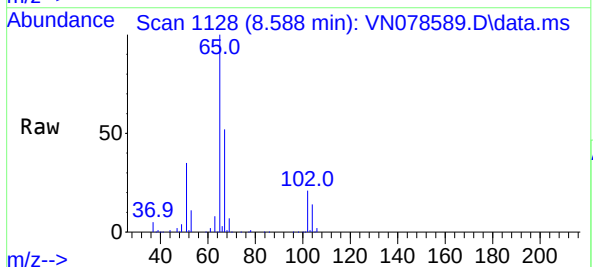
Instrument :
MSVOA_N
ClientSampleId :
N48719DL

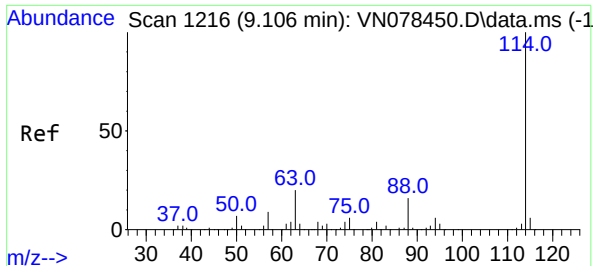
Tgt Ion: 56 Resp: 89852
Ion Ratio Lower Upper
56 100
69 39.4 26.8 40.2
84 89.1 81.8 122.6



#33
1,2-Dichloroethane-d4
Concen: 48.316 ug/l
RT: 8.588 min Scan# 1128
Delta R.T. 0.005 min
Lab File: VN078589.D
Acq: 20 Jul 2023 12:57

Tgt Ion: 65 Resp: 263366
Ion Ratio Lower Upper
65 100
67 53.1 0.0 106.6

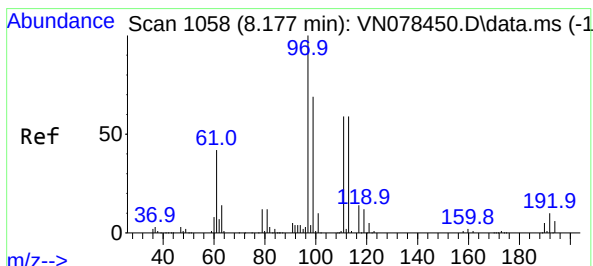
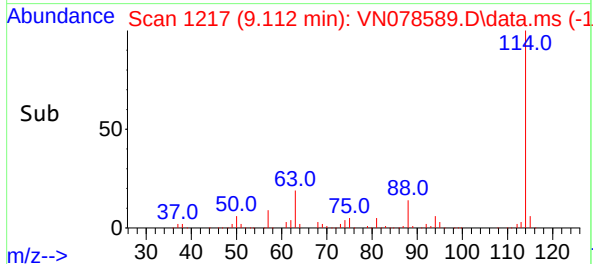
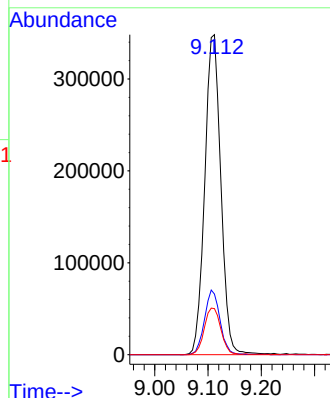
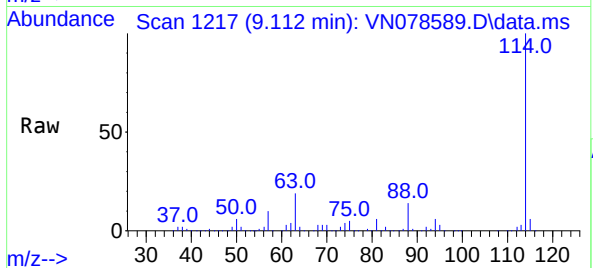




#34
1,4-Difluorobenzene
Concen: 50.000 ug/l
RT: 9.112 min Scan# 11
Delta R.T. 0.006 min
Lab File: VN078589.D
Acq: 20 Jul 2023 12:57

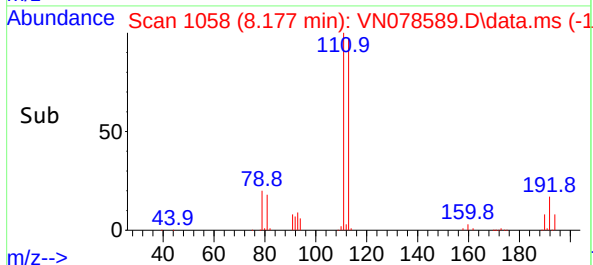
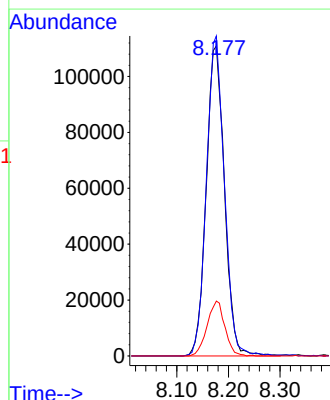
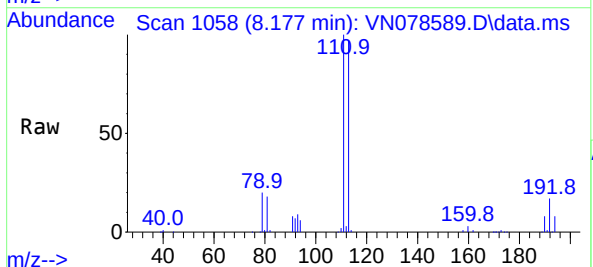
Instrument :
MSVOA_N
ClientSampleId :
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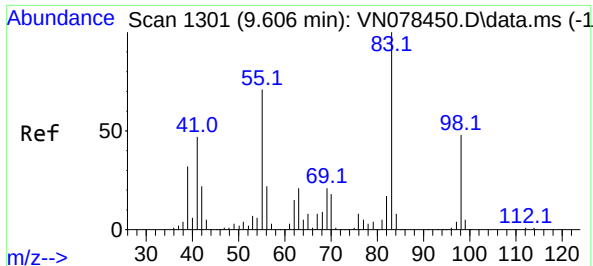
Tgt Ion:114 Resp: 731422
Ion Ratio Lower Upper
114 100
63 18.9 0.0 36.4
88 14.4 0.0 30.6



#35
Dibromofluoromethane
Concen: 54.780 ug/l
RT: 8.177 min Scan# 1058
Delta R.T. -0.000 min
Lab File: VN078589.D
Acq: 20 Jul 2023 12:57

Tgt Ion:113 Resp: 271987
Ion Ratio Lower Upper
113 100
111 101.3 82.6 123.8
192 17.2 12.7 19.1





#39

Methylcyclohexane

Concen: 25.869 ug/l

RT: 9.606 min Scan# 1

Delta R.T. -0.000 min

Lab File: VN078589.D

Acq: 20 Jul 2023 12:57

Instrument :

MSVOA_N

ClientSampleId :

N48719DL

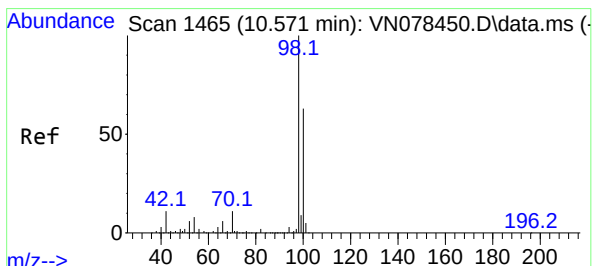
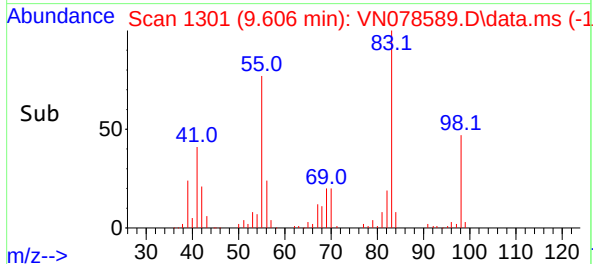
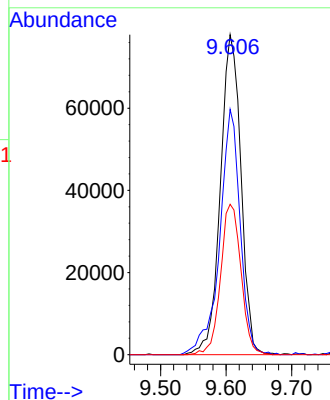
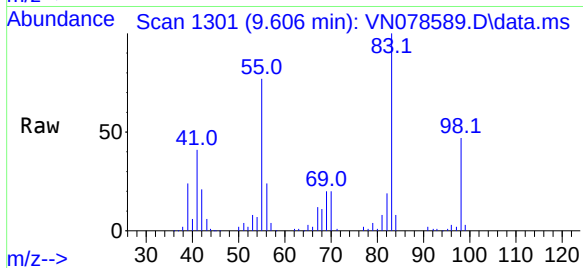
Tgt Ion: 83 Resp: 169284

Ion Ratio Lower Upper

83 100

55 76.7 49.1 73.7#

98 47.0 40.6 61.0



#50

Toluene-d8

Concen: 46.109 ug/l

RT: 10.571 min Scan# 1465

Delta R.T. -0.000 min

Lab File: VN078589.D

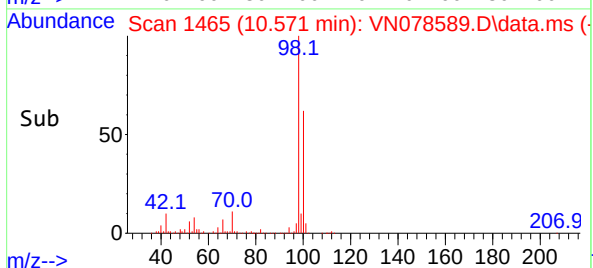
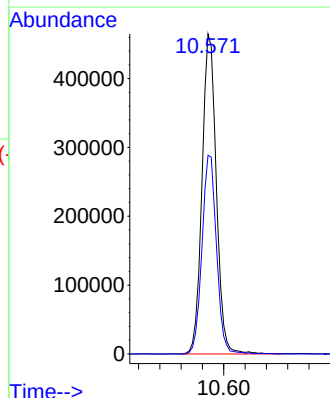
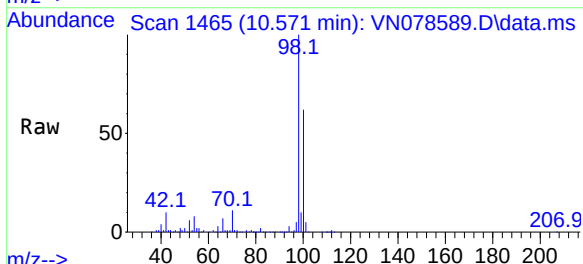
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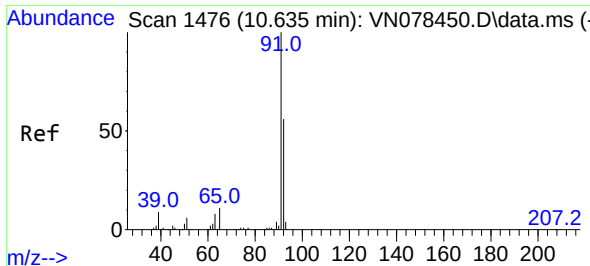
Tgt Ion: 98 Resp: 864863

Ion Ratio Lower Upper

98 100

100 63.1 52.0 78.0

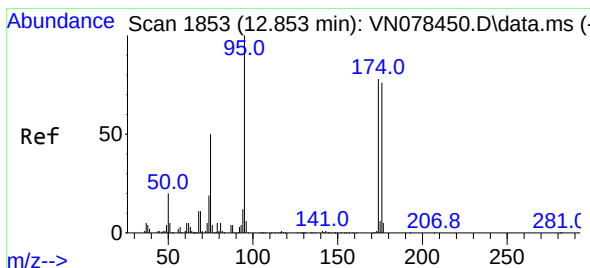
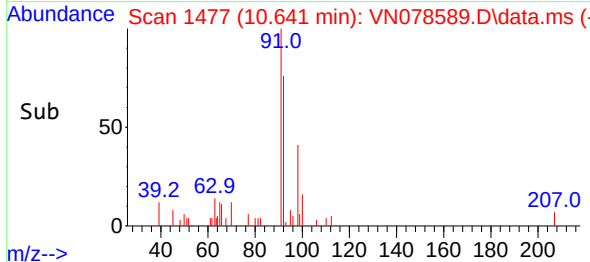
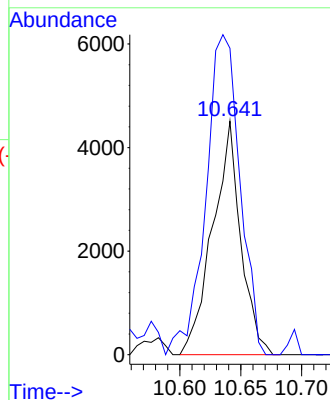
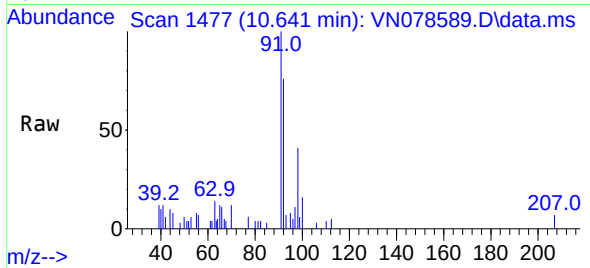




#52
Toluene
Concen: 0.552 ug/l
RT: 10.641 min Scan# 1476
Delta R.T. 0.006 min
Lab File: VN078589.D
Acq: 20 Jul 2023 12:57

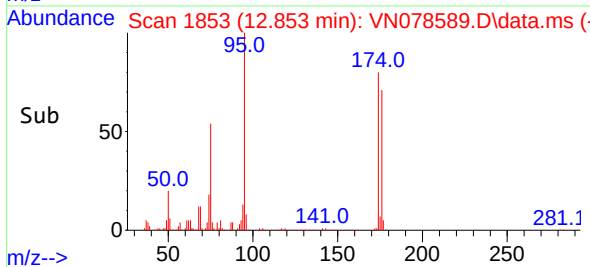
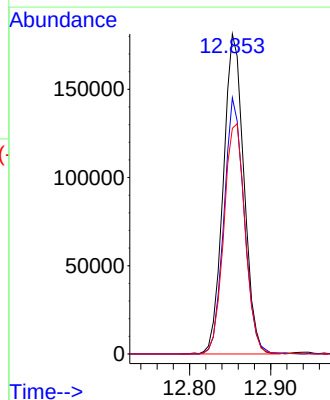
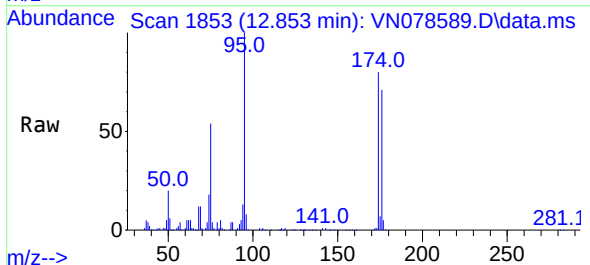
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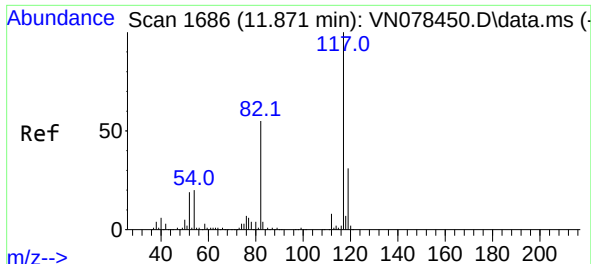
Tgt Ion: 92 Resp: 7268
Ion Ratio Lower Upper
92 100
91 166.2 137.4 206.0



#62
4-Bromofluorobenzene
Concen: 55.392 ug/l
RT: 12.853 min Scan# 1853
Delta R.T. -0.000 min
Lab File: VN078589.D
Acq: 20 Jul 2023 12:57

Tgt Ion: 95 Resp: 320025
Ion Ratio Lower Upper
95 100
174 78.5 0.0 143.8
176 74.1 0.0 135.8

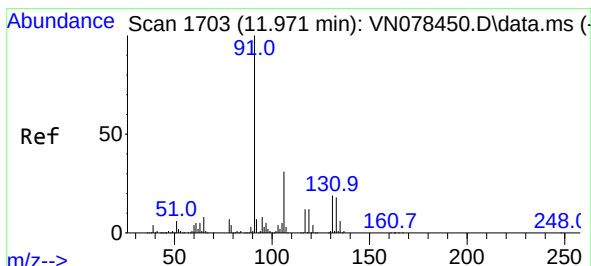
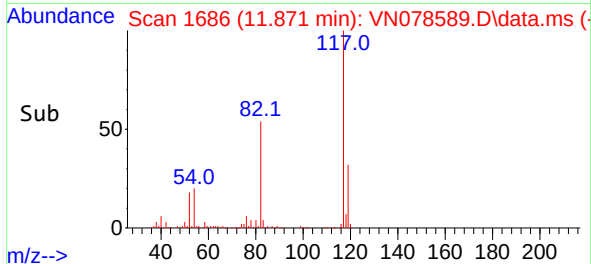
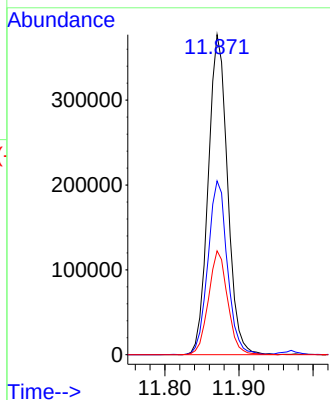
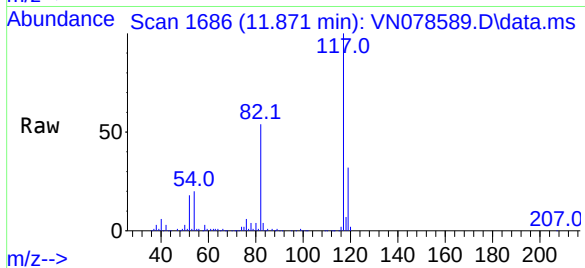




#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 11.871 min Scan# 1170
Delta R.T. -0.001 min
Lab File: VN078589.D
Acq: 20 Jul 2023 12:57

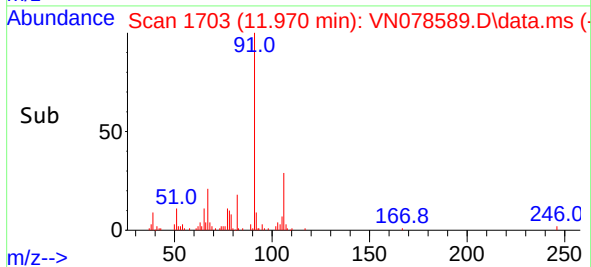
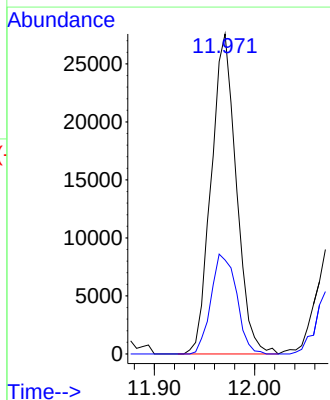
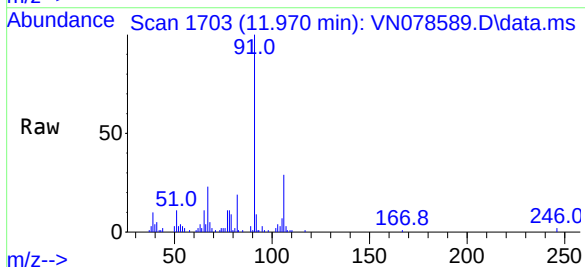
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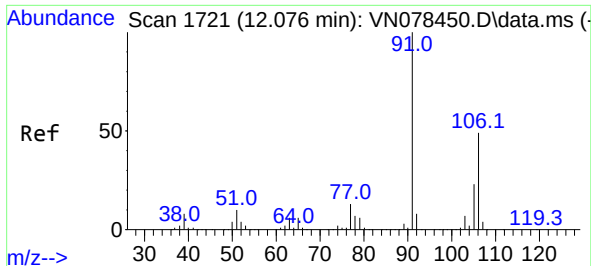
Tgt Ion:117 Resp: 683455
Ion Ratio Lower Upper
117 100
82 54.2 44.0 66.0
119 32.5 25.6 38.4



#67
Ethyl Benzene
Concen: 1.854 ug/l
RT: 11.970 min Scan# 1703
Delta R.T. -0.001 min
Lab File: VN078589.D
Acq: 20 Jul 2023 12:57

Tgt Ion: 91 Resp: 47885
Ion Ratio Lower Upper
91 100
106 29.3 25.6 38.4





#68

m/p-Xylenes

Concen: 1.272 ug/l

RT: 12.082 min Scan# 1722

Delta R.T. 0.006 min

Lab File: VN078589.D

Acq: 20 Jul 2023 12:57

Instrument :

MSVOA_N

ClientSampleId :

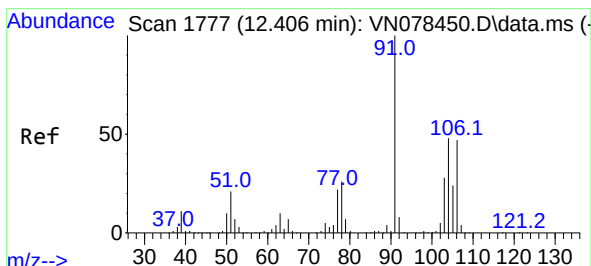
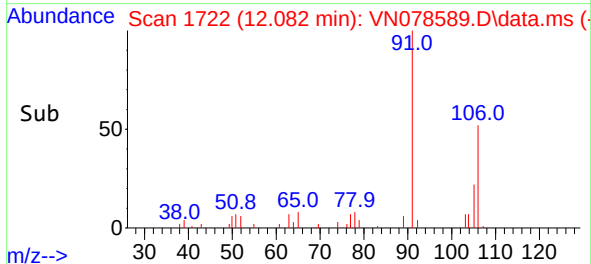
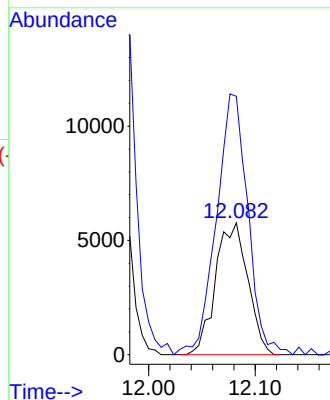
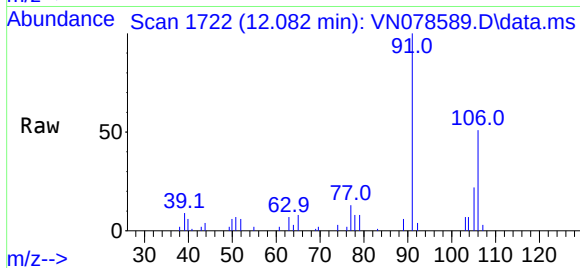
N48719DL

Tgt Ion:106 Resp: 12143

Ion Ratio Lower Upper

106 100

91 192.8 159.6 239.4



#69

o-Xylene

Concen: 0.805 ug/l

RT: 12.406 min Scan# 1777

Delta R.T. -0.000 min

Lab File: VN078589.D

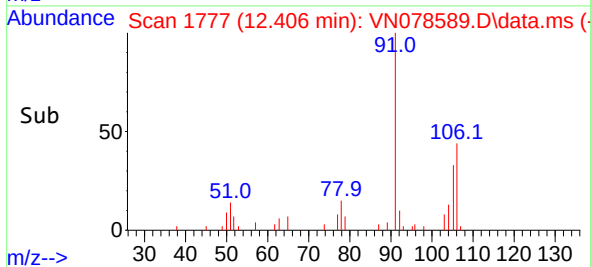
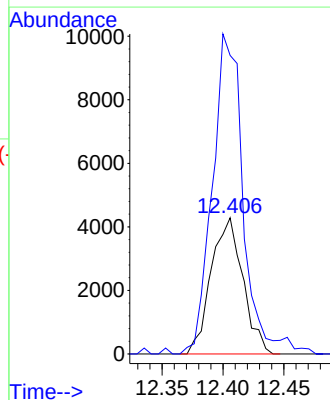
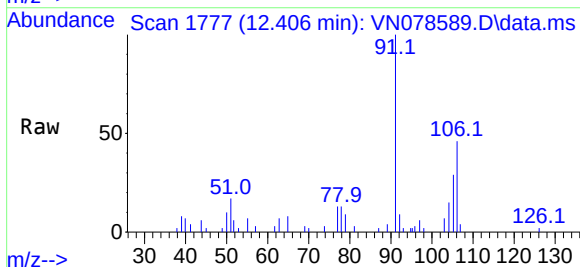
Acq: 20 Jul 2023 12:57

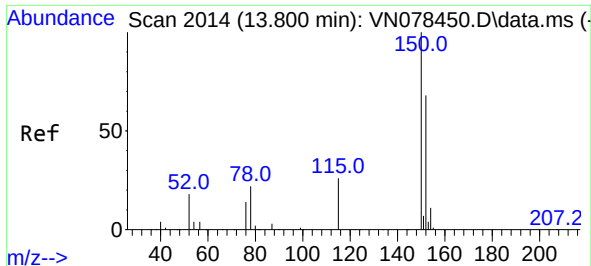
Tgt Ion:106 Resp: 7759

Ion Ratio Lower Upper

106 100

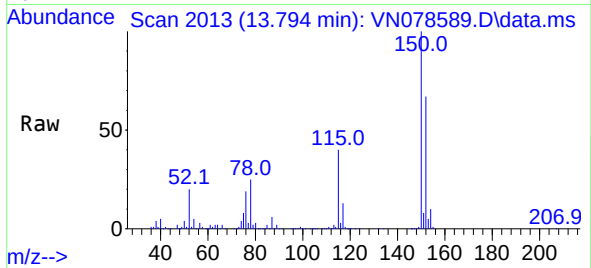
91 229.0 105.2 315.5



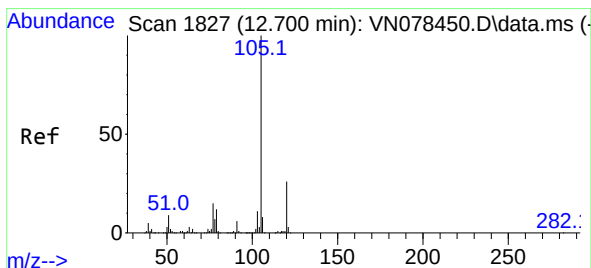
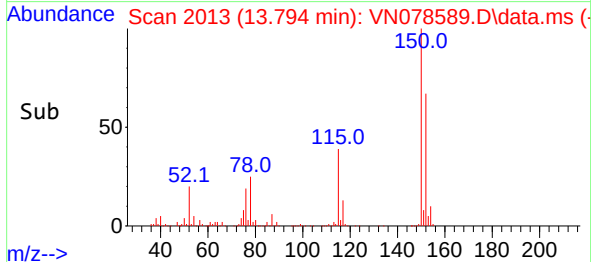
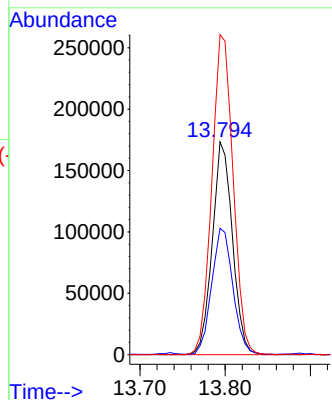


#72
1,4-Dichlorobenzene-d4
Concen: 50.000 ug/l
RT: 13.794 min Scan# 2014
Delta R.T. -0.006 min
Lab File: VN078589.D
Acq: 20 Jul 2023 12:57

Instrument :
MSVOA_N
ClientSampleId :
N48719DL

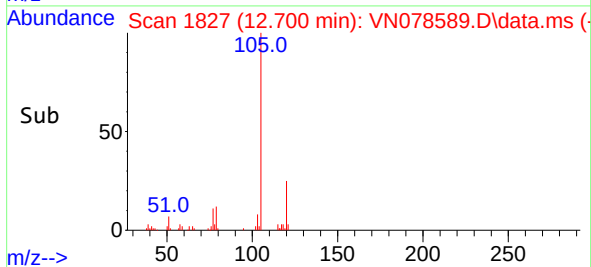
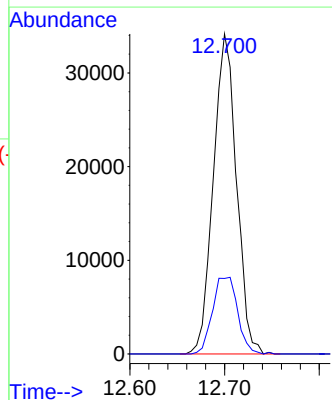
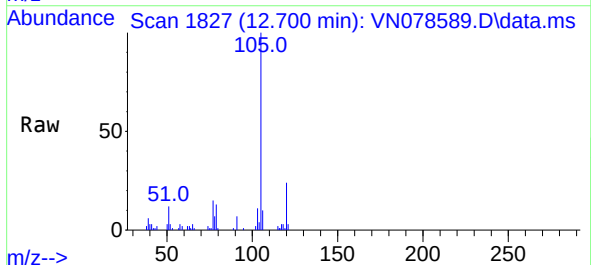


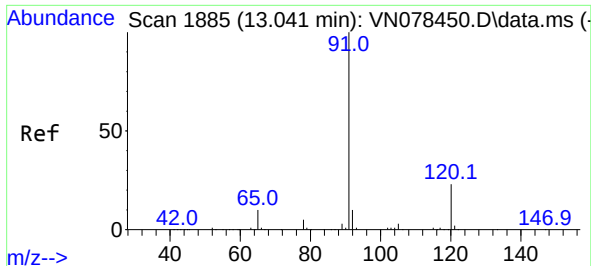
Tgt Ion:152 Resp: 285123
Ion Ratio Lower Upper
152 100
115 62.3 32.3 96.8
150 158.6 0.0 355.8



#73
Isopropylbenzene
Concen: 2.164 ug/l
RT: 12.700 min Scan# 1827
Delta R.T. -0.000 min
Lab File: VN078589.D
Acq: 20 Jul 2023 12:57

Tgt Ion:105 Resp: 57977
Ion Ratio Lower Upper
105 100
120 26.1 13.1 39.1

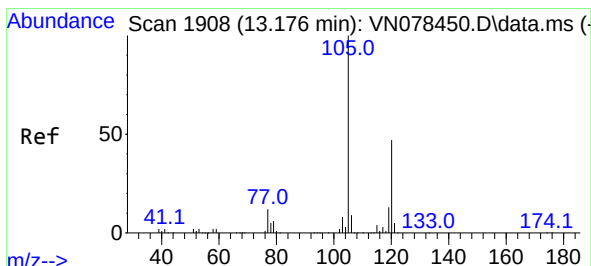
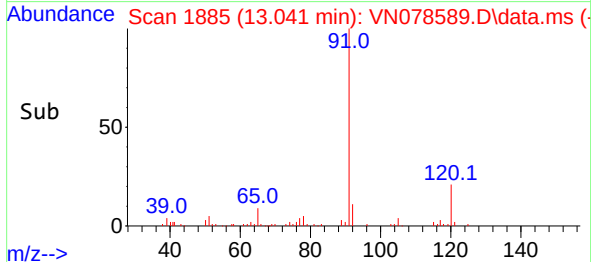
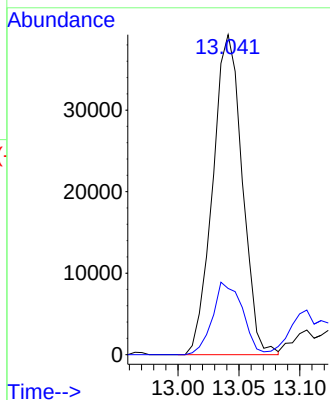
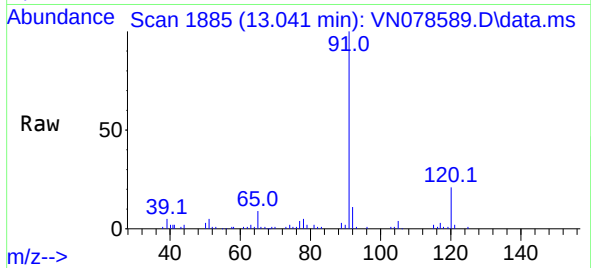




#78
n-propylbenzene
Concen: 2.312 ug/l
RT: 13.041 min Scan# 1885
Delta R.T. 0.000 min
Lab File: VN078589.D
Acq: 20 Jul 2023 12:57

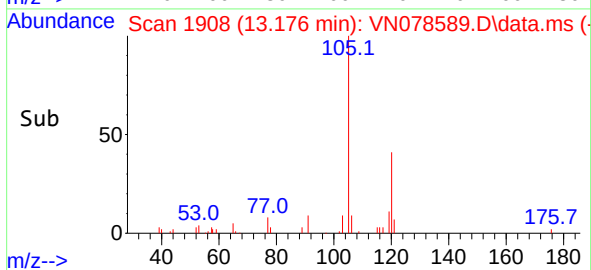
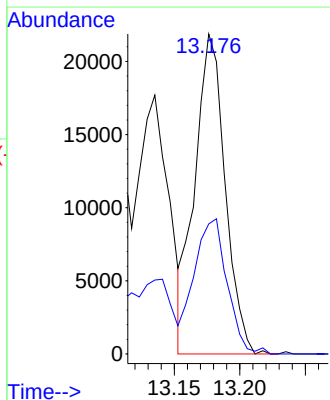
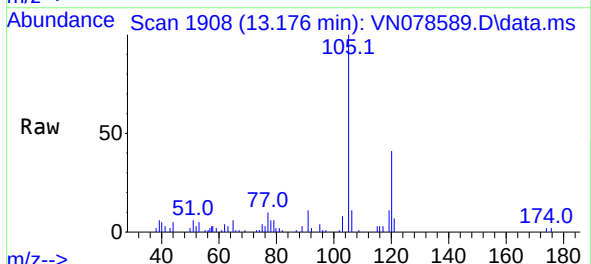
Instrument :
MSVOA_N
ClientSampleId :
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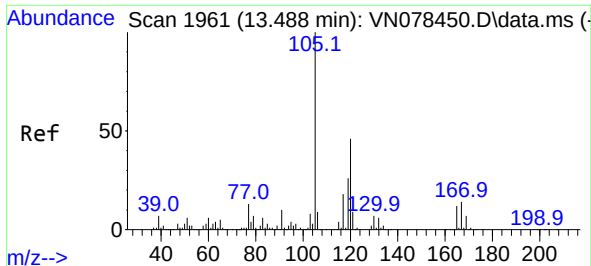
Tgt Ion: 91 Resp: 66248
Ion Ratio Lower Upper
91 100
120 22.8 11.5 34.4



#80
1,3,5-Trimethylbenzene
Concen: 1.663 ug/l
RT: 13.176 min Scan# 1908
Delta R.T. 0.000 min
Lab File: VN078589.D
Acq: 20 Jul 2023 12:57

Tgt Ion: 105 Resp: 35196
Ion Ratio Lower Upper
105 100
120 46.2 24.1 72.3

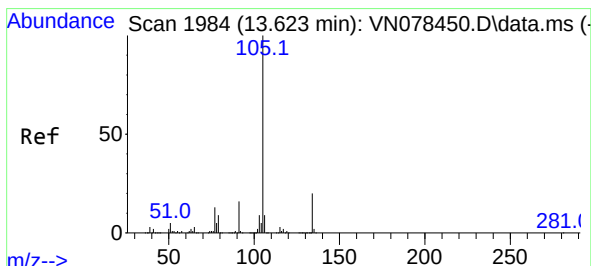
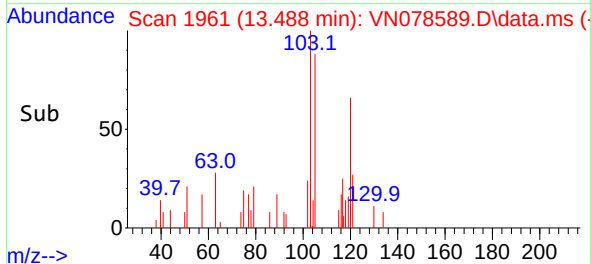
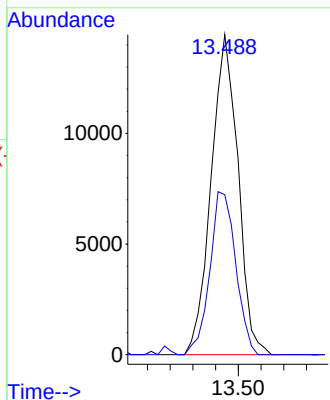
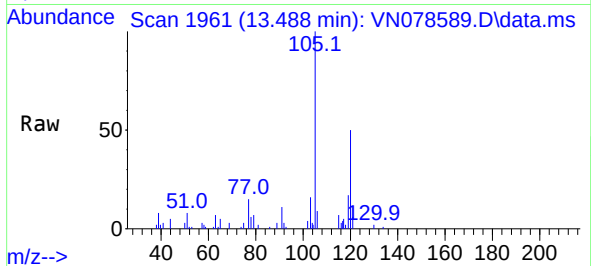




#84
1,2,4-Trimethylbenzene
Concen: 1.155 ug/l
RT: 13.488 min Scan# 1961
Delta R.T. 0.000 min
Lab File: VN078589.D
Acq: 20 Jul 2023 12:57

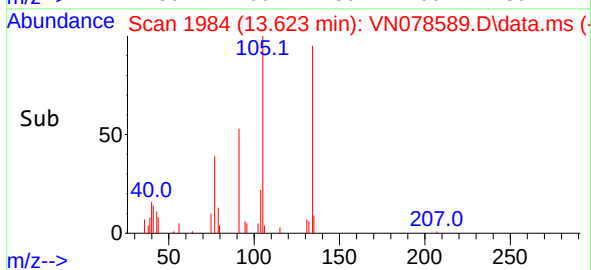
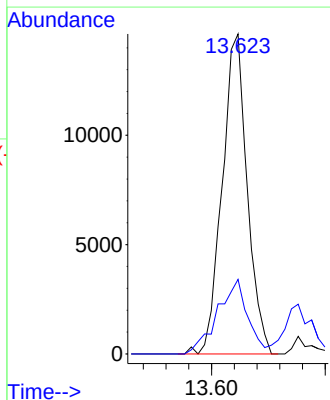
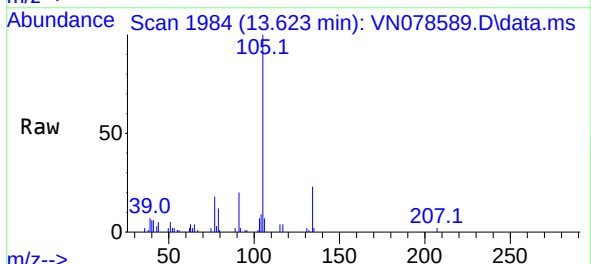
Instrument :
MSVOA_N
ClientSampleId :
N48719DL

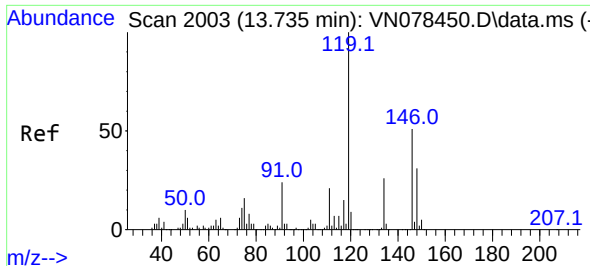
Tgt Ion:105 Resp: 23750
Ion Ratio Lower Upper
105 100
120 49.1 22.0 66.0



#85
sec-Butylbenzene
Concen: 0.983 ug/l
RT: 13.623 min Scan# 1984
Delta R.T. 0.000 min
Lab File: VN078589.D
Acq: 20 Jul 2023 12:57

Tgt Ion:105 Resp: 22331
Ion Ratio Lower Upper
105 100
134 28.0 9.8 29.3

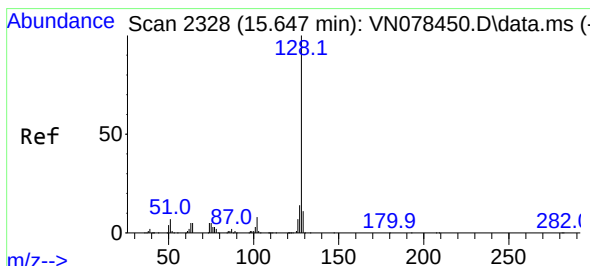
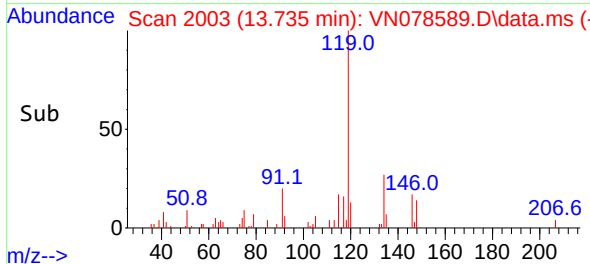
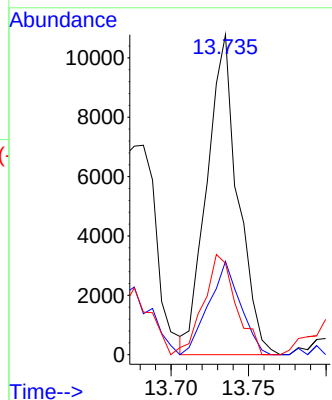
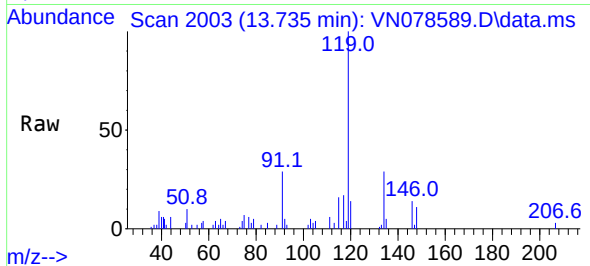




#86
p-Isopropyltoluene
Concen: 0.824 ug/l
RT: 13.735 min Scan# 2003
Delta R.T. 0.000 min
Lab File: VN078589.D
Acq: 20 Jul 2023 12:57

Instrument :
MSVOA_N
ClientSampleId :
N48719DL

Tgt Ion:	119	Resp:	15035
Ion	Ratio	Lower	Upper
119	100		
134	29.7	12.6	37.8
91	32.7	12.4	37.2



#95
Naphthalene
Concen: 5.451 ug/l
RT: 15.647 min Scan# 2328
Delta R.T. -0.000 min
Lab File: VN078589.D
Acq: 20 Jul 2023 12:57

Tgt Ion:	128	Resp:	60872
Ion	Ratio	Lower	Upper
128	100		
127	14.7	10.0	15.0
129	12.0	8.7	13.1

