

Data Path : Z:\voasrv\HPCHEM1\MSVOA_N\Data\VN111523\
 Data File : VN080113.D
 Acq On : 15 Nov 2023 16:17
 Operator : JC\MD
 Sample : 05417-03
 Misc : 5.0mL/MSVOA_N/WATER
 ALS Vial : 13 Sample Multiplier: 1

Instrument :
 MSVOA_N
 ClientSampleId :
 1114

Quant Time: Nov 15 21:54:28 2023
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA_N\methods\82N110123W.M
 Quant Title : SW846 8260
 QLast Update : Thu Nov 02 05:49:08 2023
 Response via : Initial Calibration

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

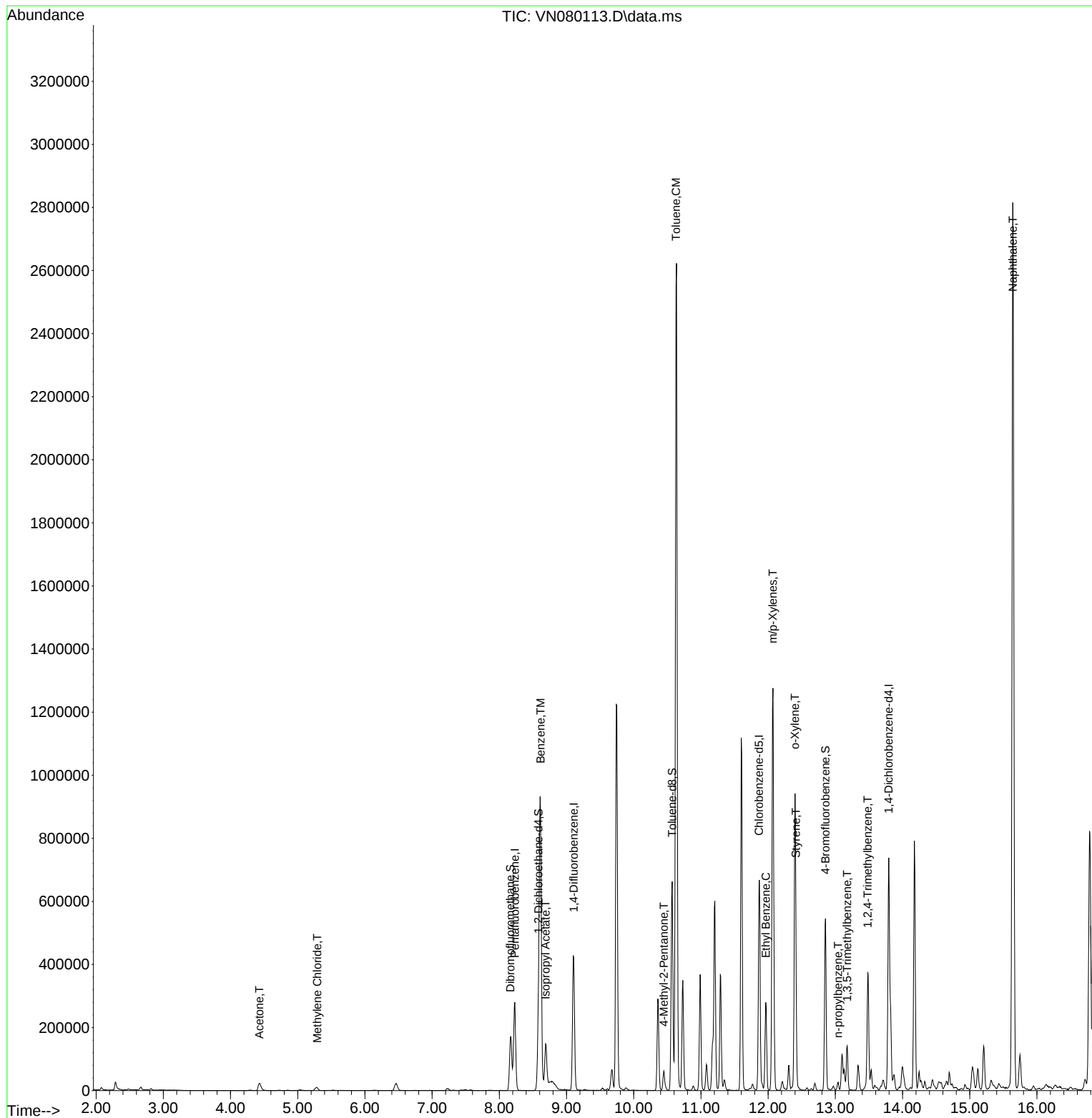
Internal Standards						
1) Pentafluorobenzene	8.230	168	187963	50.000	ug/l	0.00
34) 1,4-Difluorobenzene	9.106	114	358872	50.000	ug/l	0.00
63) Chlorobenzene-d5	11.865	117	380807	50.000	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.794	152	185955	50.000	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	8.583	65	160239	55.956	ug/l	0.00
Spiked Amount	50.000	Range	74 - 125	Recovery	=	111.920%
35) Dibromofluoromethane	8.165	113	122633	48.282	ug/l	0.00
Spiked Amount	50.000	Range	75 - 124	Recovery	=	96.560%
50) Toluene-d8	10.571	98	447293	47.836	ug/l	0.00
Spiked Amount	50.000	Range	86 - 113	Recovery	=	95.680%
62) 4-Bromofluorobenzene	12.853	95	183977	59.327	ug/l	0.00
Spiked Amount	50.000	Range	83 - 123	Recovery	=	118.660%
Target Compounds						
						Qvalue
16) Acetone	4.430	43	45278	45.013	ug/l	98
20) Methylene Chloride	5.289	84	8557	3.371	ug/l	89
40) Benzene	8.612	78	935347	86.110	ug/l	100
43) Isopropyl Acetate	8.688	43	174779	29.964	ug/l #	78
51) 4-Methyl-2-Pentanone	10.447	43	40998	12.485	ug/l	91
52) Toluene	10.630	92	1157292	179.715	ug/l	99
67) Ethyl Benzene	11.965	91	196392	13.646	ug/l	94
68) m/p-Xylenes	12.071	106	380858	71.040	ug/l	86
69) o-Xylene	12.400	106	231289	44.801	ug/l	86
70) Styrene	12.412	104	68599	8.268	ug/l #	42
78) n-propylbenzene	13.041	91	19379	1.199	ug/l	95
80) 1,3,5-Trimethylbenzene	13.176	105	80223	7.306	ug/l	94
84) 1,2,4-Trimethylbenzene	13.482	105	218353	20.212	ug/l	95
95) Naphthalene	15.641	128	2542584	259.865	ug/l	99

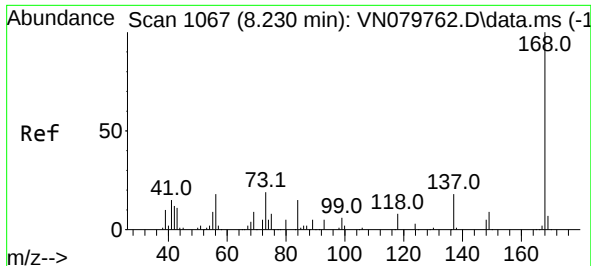
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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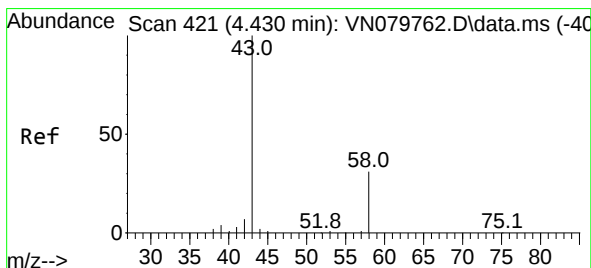
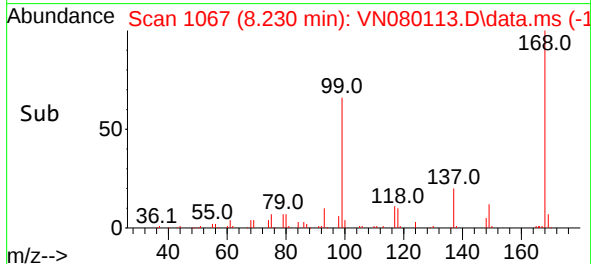
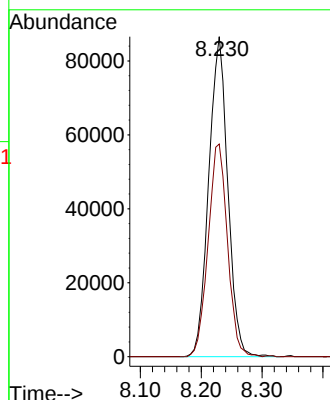
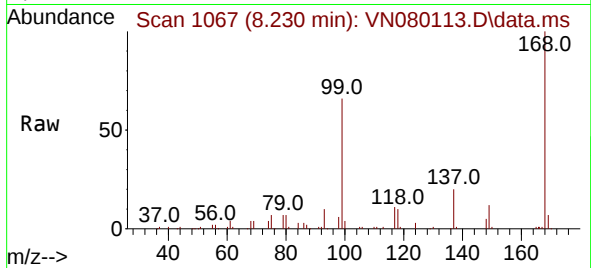




#1
Pentafluorobenzene
Concen: 50.000 ug/l
RT: 8.230 min Scan# 1067
Delta R.T. 0.001 min
Lab File: VN080113.D
Acq: 15 Nov 2023 16:17

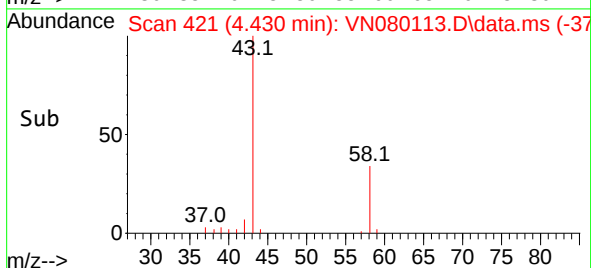
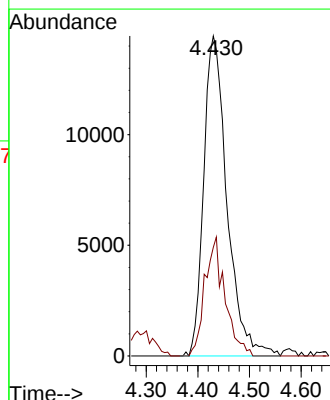
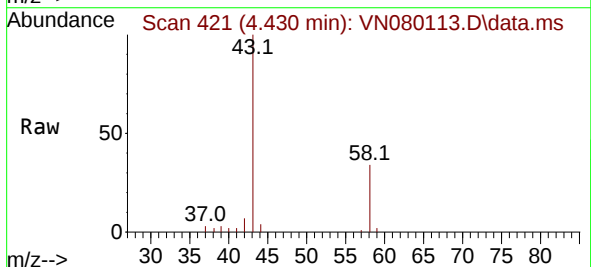
Instrument :
MSVOA_N
ClientSampleId :
1114

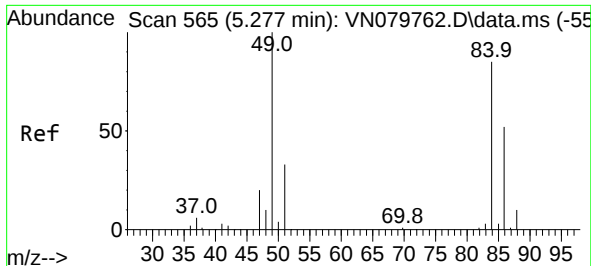
Tgt Ion:168 Resp: 187963
Ion Ratio Lower Upper
168 100
99 66.4 53.0 79.6



#16
Acetone
Concen: 45.013 ug/l
RT: 4.430 min Scan# 421
Delta R.T. 0.000 min
Lab File: VN080113.D
Acq: 15 Nov 2023 16:17

Tgt Ion: 43 Resp: 45278
Ion Ratio Lower Upper
43 100
58 34.0 28.0 42.0

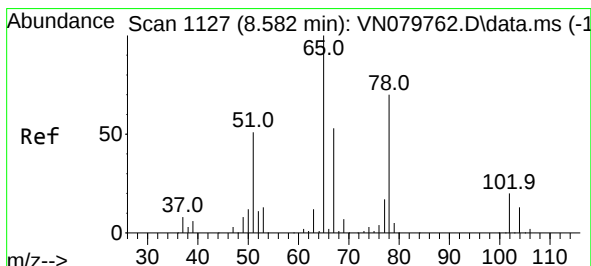
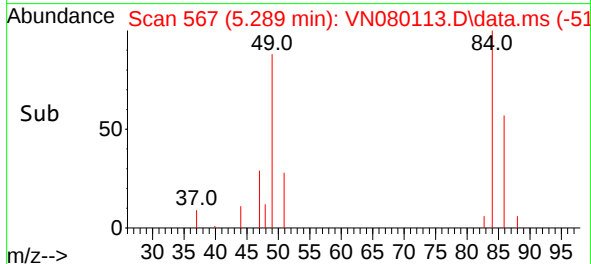
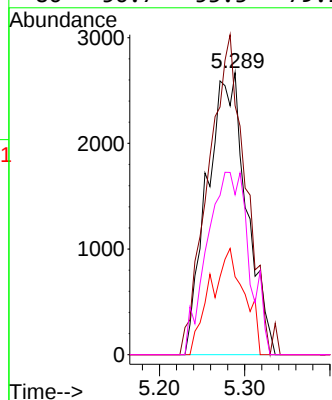
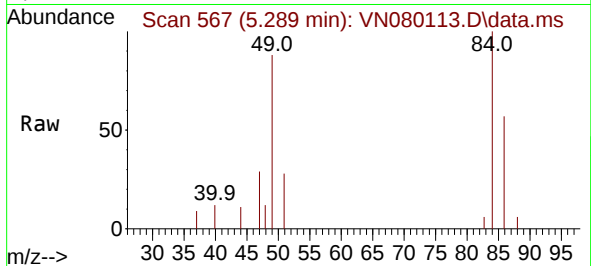




#20
Methylene Chloride
Concen: 3.371 ug/l
RT: 5.289 min Scan# 511
Delta R.T. 0.018 min
Lab File: VN080113.D
Acq: 15 Nov 2023 16:17

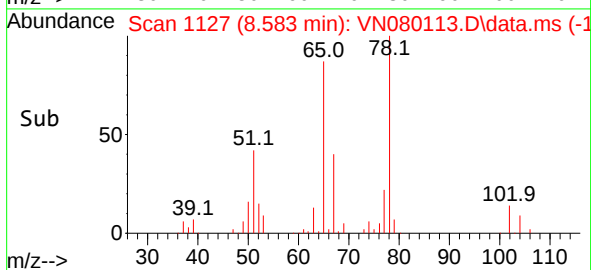
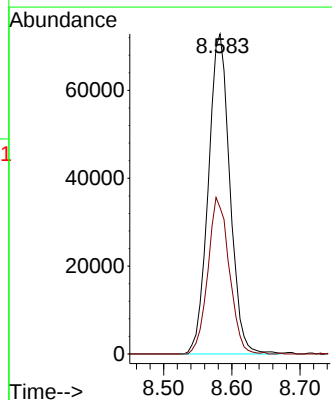
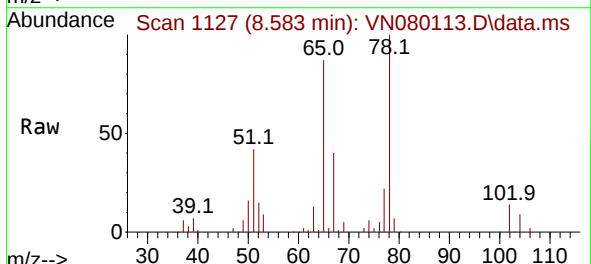
Instrument :
MSVOA_N
ClientSampleId :
1114

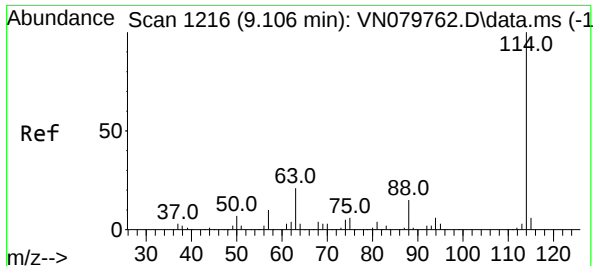
Tgt Ion: 84	Resp: 8557
Ion Ratio	Lower Upper
84 100	
49 88.3	79.7 119.5
51 27.6	25.2 37.8
86 56.7	53.3 79.9



#33
1,2-Dichloroethane-d4
Concen: 55.956 ug/l
RT: 8.583 min Scan# 1127
Delta R.T. 0.000 min
Lab File: VN080113.D
Acq: 15 Nov 2023 16:17

Tgt Ion: 65	Resp: 160239
Ion Ratio	Lower Upper
65 100	
67 48.5	0.0 106.6

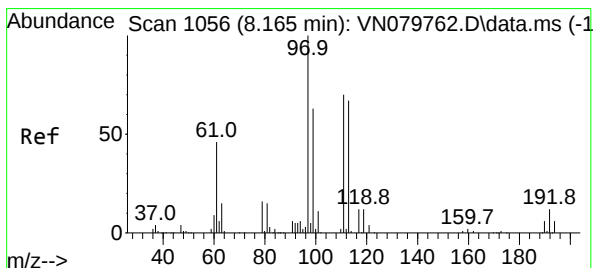
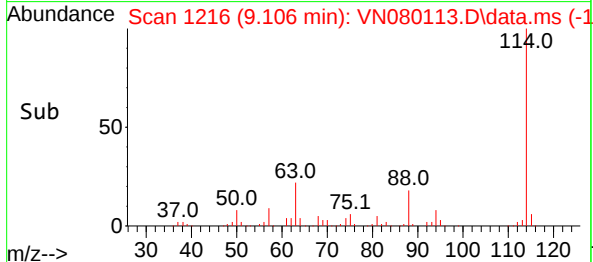
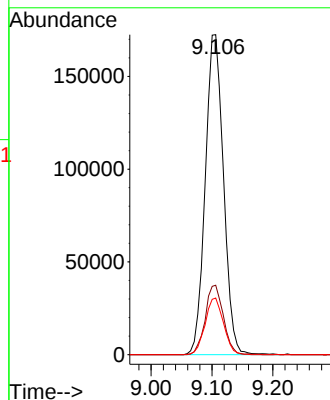
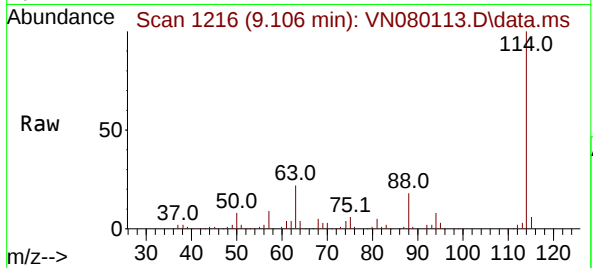




#34
1,4-Difluorobenzene
Concen: 50.000 ug/l
RT: 9.106 min Scan# 1114
Delta R.T. 0.000 min
Lab File: VN080113.D
Acq: 15 Nov 2023 16:17

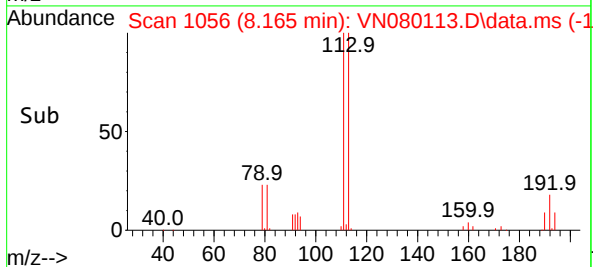
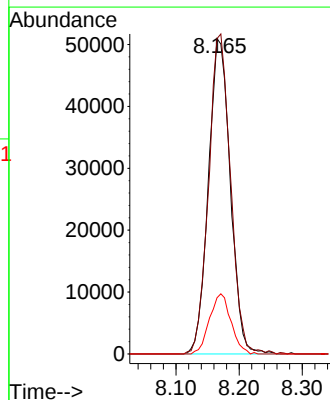
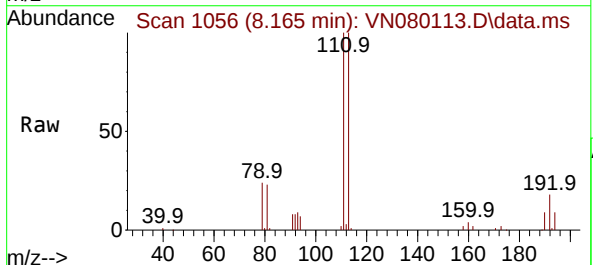
Instrument :
MSVOA_N
ClientSampleId :
1114

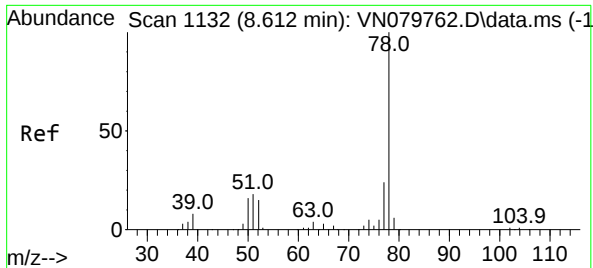
Tgt Ion:114 Resp: 358872
Ion Ratio Lower Upper
114 100
63 21.7 0.0 36.4
88 17.7 0.0 30.6



#35
Dibromofluoromethane
Concen: 48.282 ug/l
RT: 8.165 min Scan# 1056
Delta R.T. -0.006 min
Lab File: VN080113.D
Acq: 15 Nov 2023 16:17

Tgt Ion:113 Resp: 122633
Ion Ratio Lower Upper
113 100
111 101.4 82.6 123.8
192 18.7 12.7 19.1





#40

Benzene

Concen: 86.110 ug/l

RT: 8.612 min Scan# 1132

Delta R.T. 0.000 min

Lab File: VN080113.D

Acq: 15 Nov 2023 16:17

Instrument :

MSVOA_N

ClientSampleId :

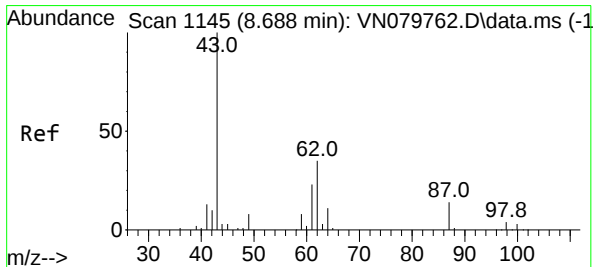
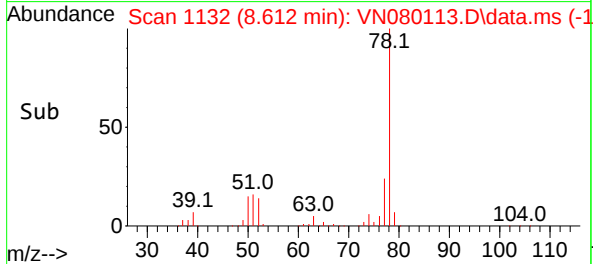
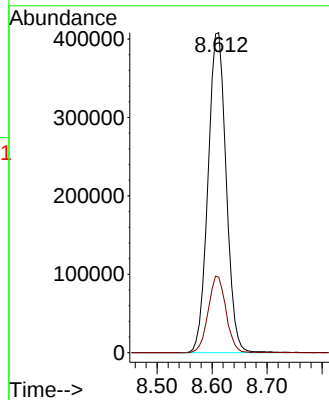
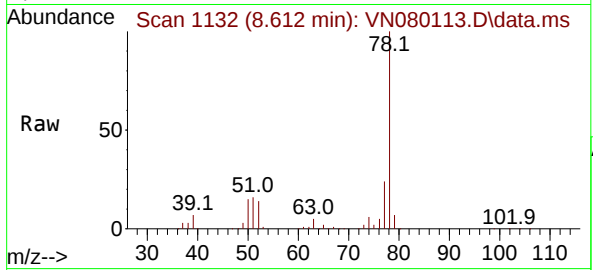
1114

Tgt Ion: 78 Resp: 935347

Ion Ratio Lower Upper

78 100

77 23.6 19.0 28.6



#43

Isopropyl Acetate

Concen: 29.964 ug/l

RT: 8.688 min Scan# 1145

Delta R.T. 0.000 min

Lab File: VN080113.D

Acq: 15 Nov 2023 16:17

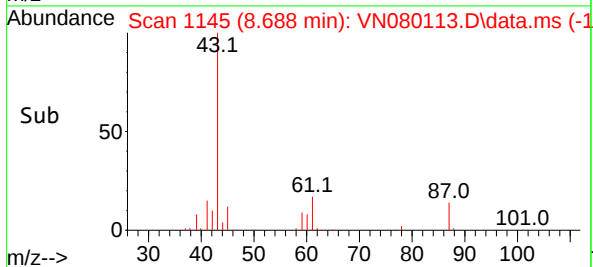
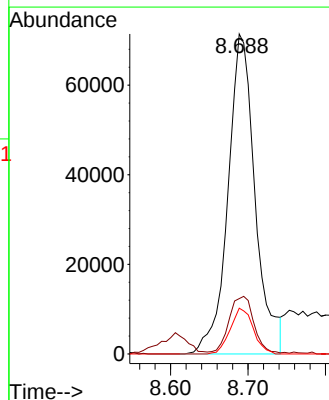
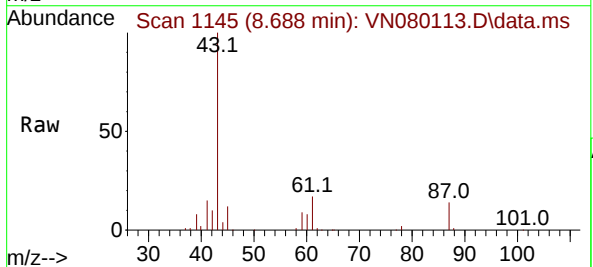
Tgt Ion: 43 Resp: 174779

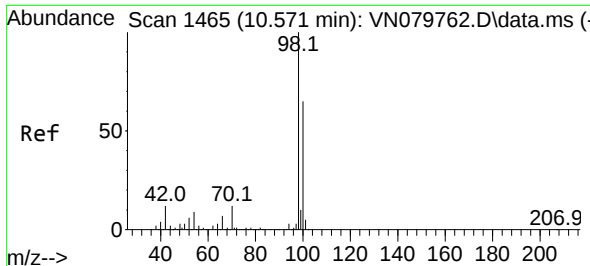
Ion Ratio Lower Upper

43 100

61 16.3 24.7 37.1#

87 12.1 14.6 21.8#

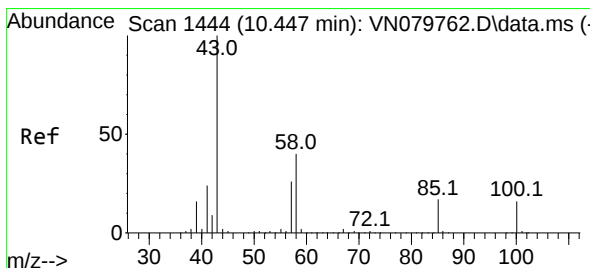
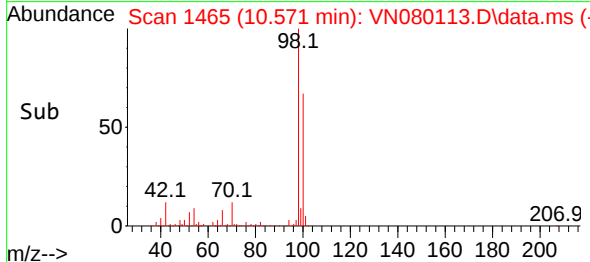
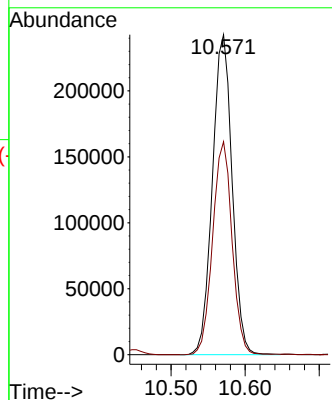
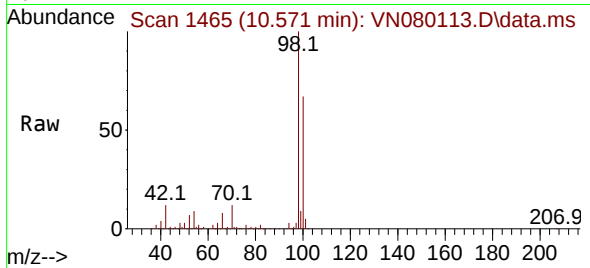




#50
Toluene-d8
Concen: 47.836 ug/l
RT: 10.571 min Scan# 1465
Delta R.T. 0.000 min
Lab File: VN080113.D
Acq: 15 Nov 2023 16:17

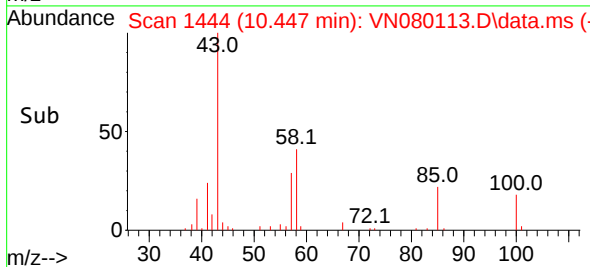
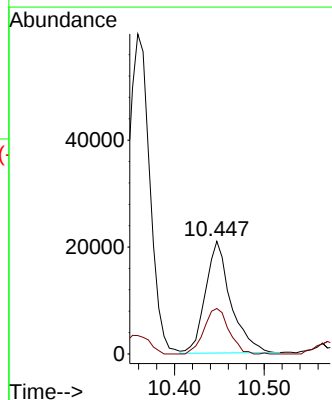
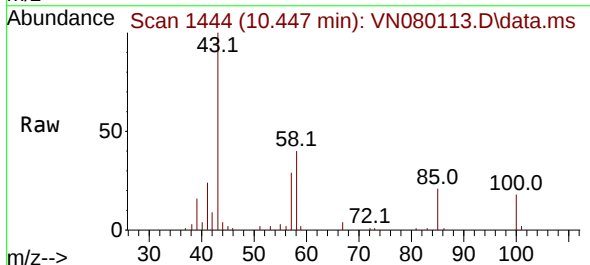
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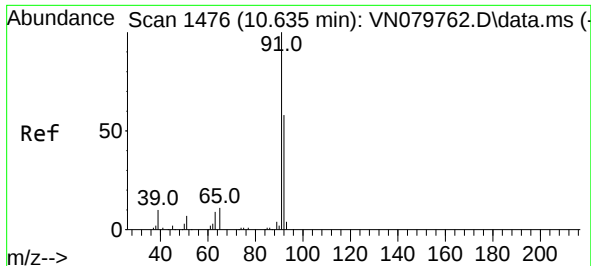
Tgt Ion: 98 Resp: 447293
Ion Ratio Lower Upper
98 100
100 65.6 52.0 78.0



#51
4-Methyl-2-Pentanone
Concen: 12.485 ug/l
RT: 10.447 min Scan# 1444
Delta R.T. 0.000 min
Lab File: VN080113.D
Acq: 15 Nov 2023 16:17

Tgt Ion: 43 Resp: 40998
Ion Ratio Lower Upper
43 100
58 39.6 36.6 54.8

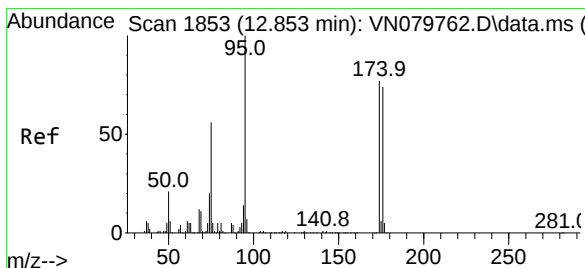
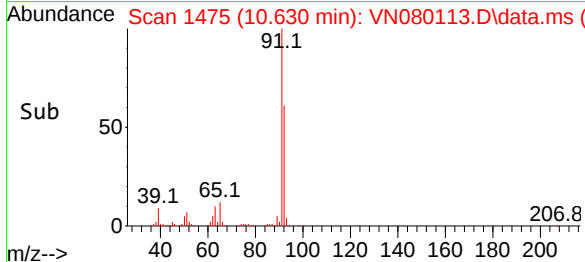
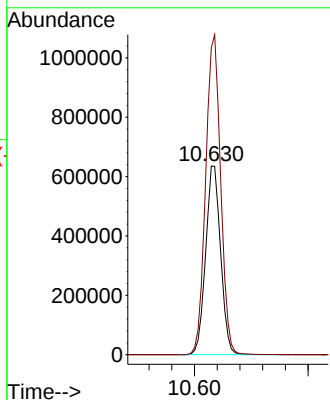
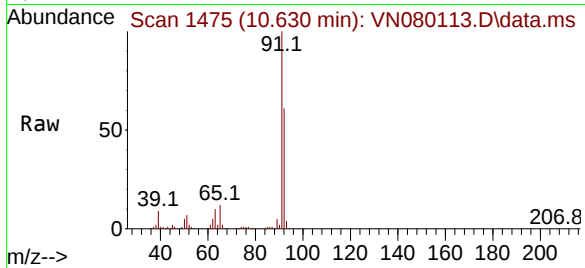




#52
Toluene
Concen: 179.715 ug/l
RT: 10.630 min Scan# 1476
Delta R.T. -0.006 min
Lab File: VN080113.D
Acq: 15 Nov 2023 16:17

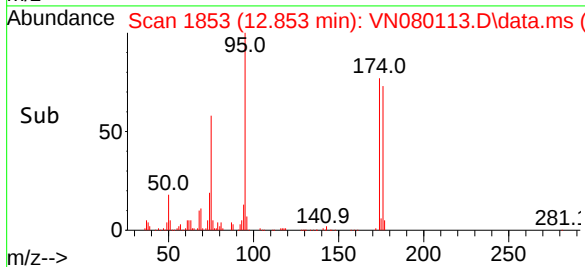
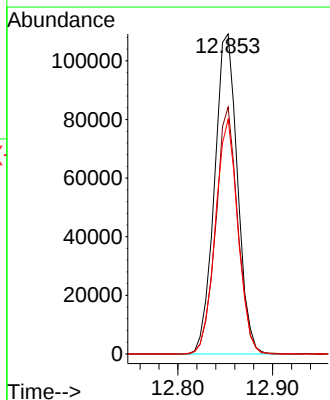
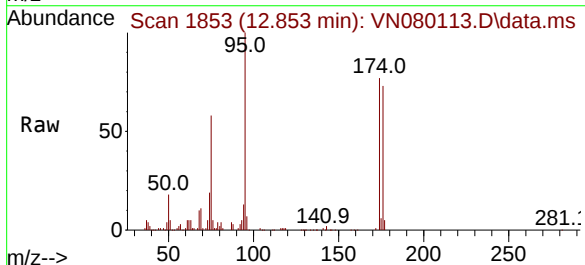
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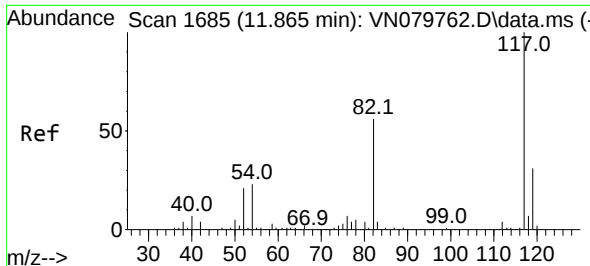
Tgt Ion: 92 Resp: 1157292
Ion Ratio Lower Upper
92 100
91 169.7 137.4 206.0



#62
4-Bromofluorobenzene
Concen: 59.327 ug/l
RT: 12.853 min Scan# 1853
Delta R.T. 0.000 min
Lab File: VN080113.D
Acq: 15 Nov 2023 16:17

Tgt Ion: 95 Resp: 183977
Ion Ratio Lower Upper
95 100
174 74.0 0.0 143.8
176 71.8 0.0 135.8

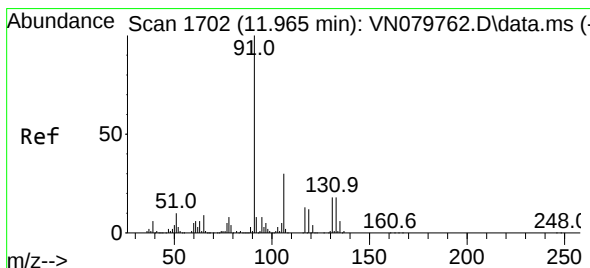
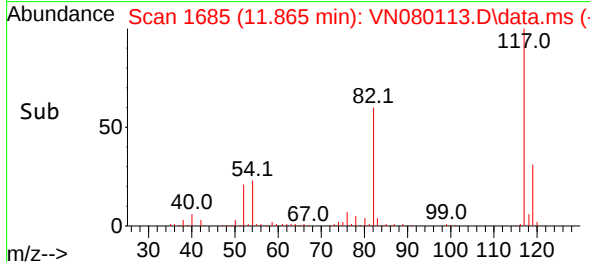
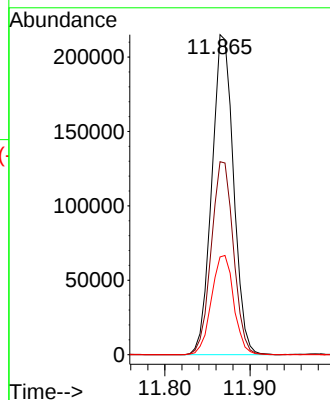
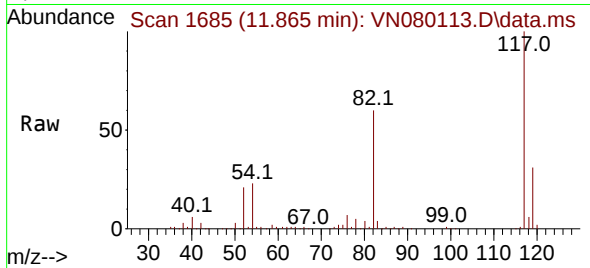




#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 11.865 min Scan# 1114
Delta R.T. -0.006 min
Lab File: VN080113.D
Acq: 15 Nov 2023 16:17

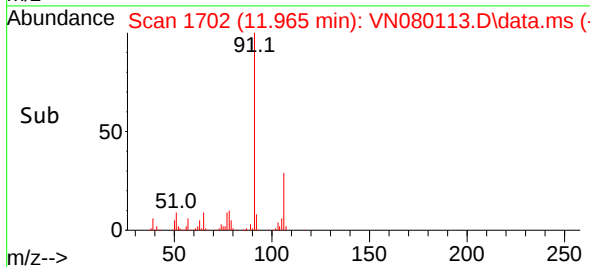
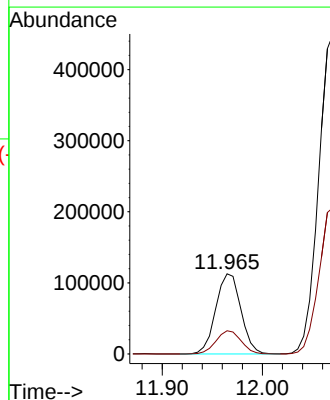
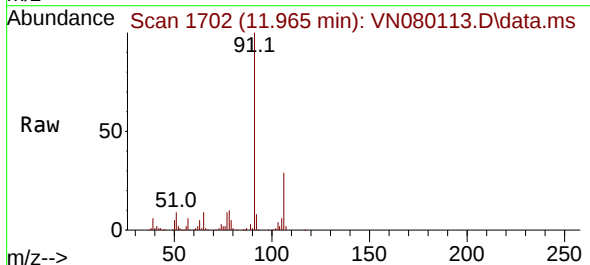
Instrument :
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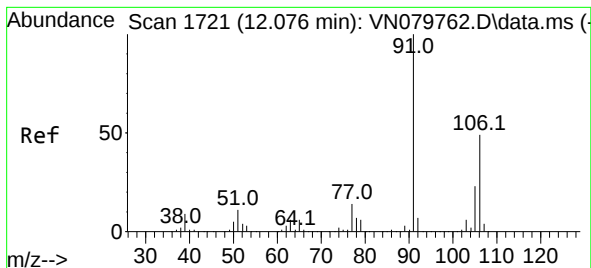
Tgt Ion:117 Resp: 380807
Ion Ratio Lower Upper
117 100
82 60.3 44.0 66.0
119 30.5 25.6 38.4



#67
Ethyl Benzene
Concen: 13.646 ug/l
RT: 11.965 min Scan# 1702
Delta R.T. 0.000 min
Lab File: VN080113.D
Acq: 15 Nov 2023 16:17

Tgt Ion: 91 Resp: 196392
Ion Ratio Lower Upper
91 100
106 28.9 25.6 38.4

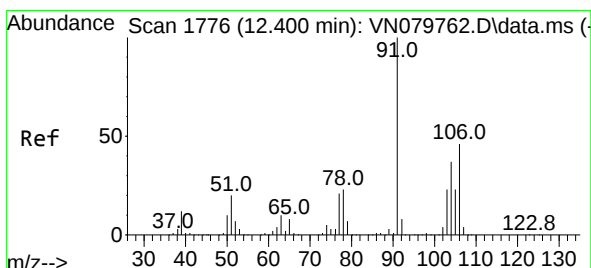
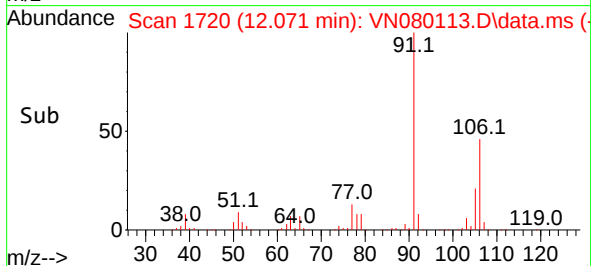
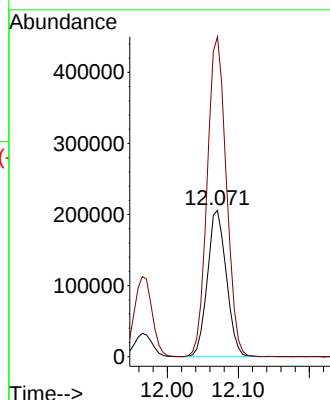
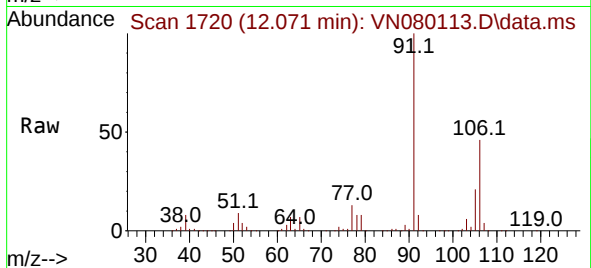




#68
m/p-Xylenes
Concen: 71.040 ug/l
RT: 12.071 min Scan# 1114
Delta R.T. 0.000 min
Lab File: VN080113.D
Acq: 15 Nov 2023 16:17

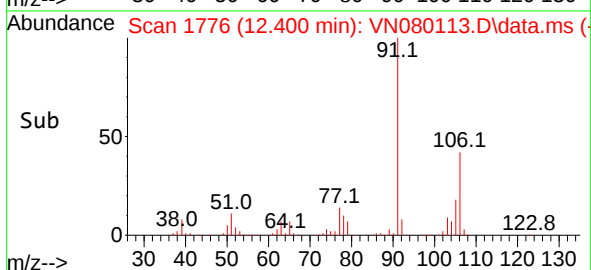
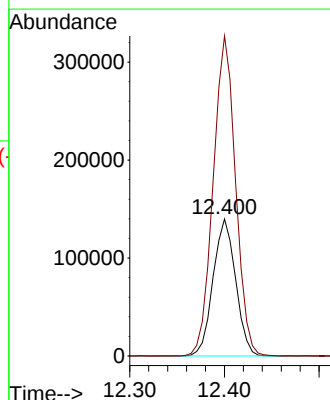
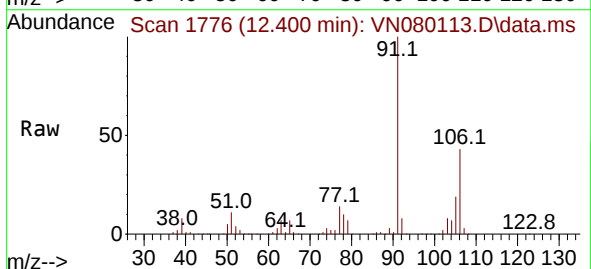
Instrument :
MSVOA_N
ClientSampleId :
1114

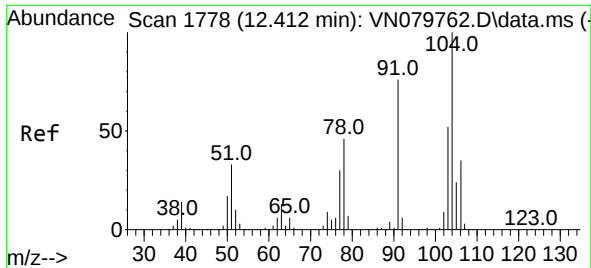
Tgt Ion:106 Resp: 380858
Ion Ratio Lower Upper
106 100
91 220.7 159.6 239.4



#69
o-Xylene
Concen: 44.801 ug/l
RT: 12.400 min Scan# 1776
Delta R.T. 0.000 min
Lab File: VN080113.D
Acq: 15 Nov 2023 16:17

Tgt Ion:106 Resp: 231289
Ion Ratio Lower Upper
106 100
91 232.5 105.2 315.5

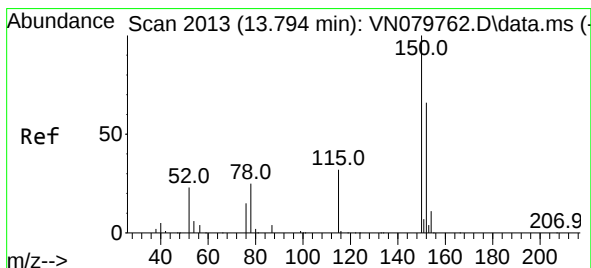
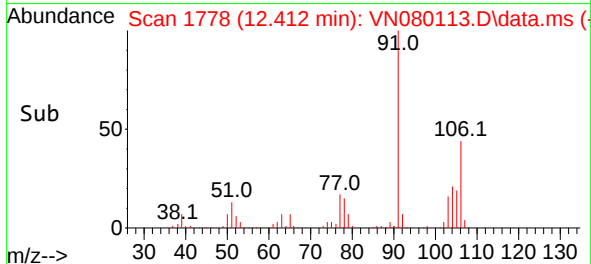
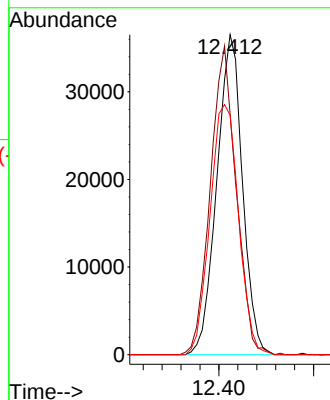
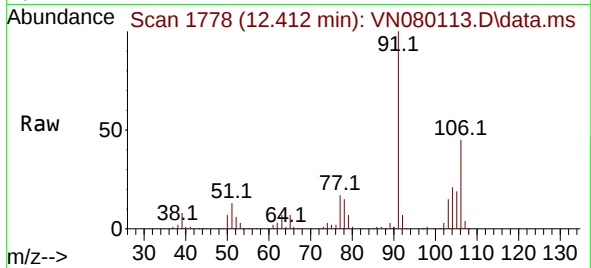




#70
Styrene
Concen: 8.268 ug/l
RT: 12.412 min Scan# 1114
Delta R.T. 0.000 min
Lab File: VN080113.D
Acq: 15 Nov 2023 16:17

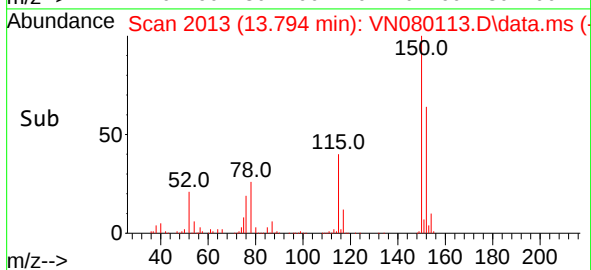
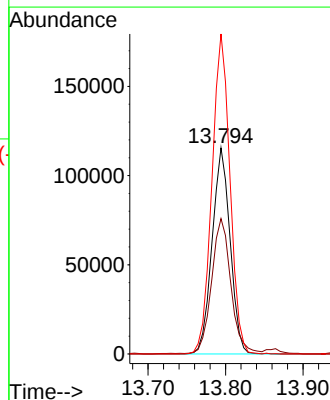
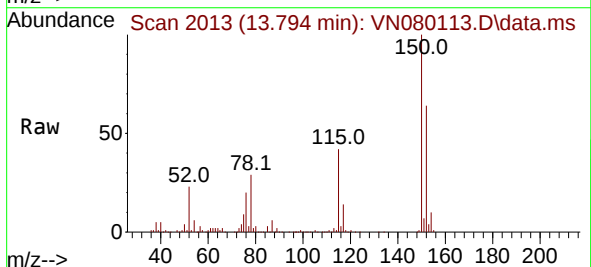
Instrument :
MSVOA_N
ClientSampleId :
1114

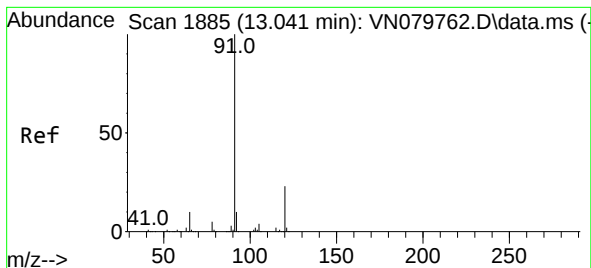
Tgt Ion:104 Resp: 68599
Ion Ratio Lower Upper
104 100
78 97.3 39.5 59.3#
103 87.2 43.2 64.8#



#72
1,4-Dichlorobenzene-d4
Concen: 50.000 ug/l
RT: 13.794 min Scan# 2013
Delta R.T. 0.000 min
Lab File: VN080113.D
Acq: 15 Nov 2023 16:17

Tgt Ion:152 Resp: 185955
Ion Ratio Lower Upper
152 100
115 71.2 32.3 96.8
150 155.3 0.0 355.8





#78

n-propylbenzene

Concen: 1.199 ug/l

RT: 13.041 min Scan# 1885

Delta R.T. 0.000 min

Lab File: VN080113.D

Acq: 15 Nov 2023 16:17

Instrument :

MSVOA_N

ClientSampleId :

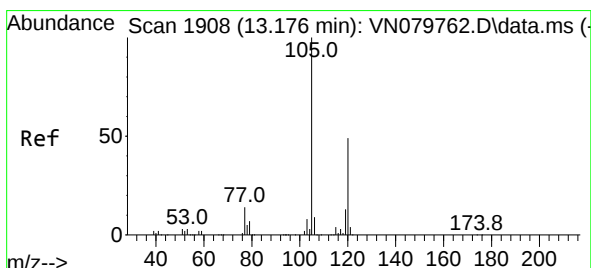
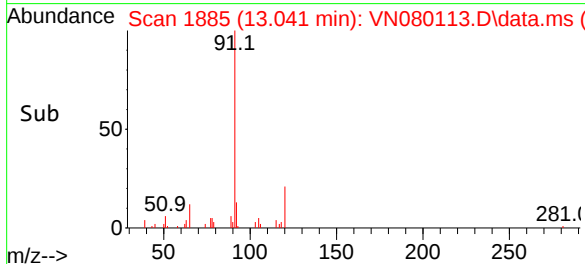
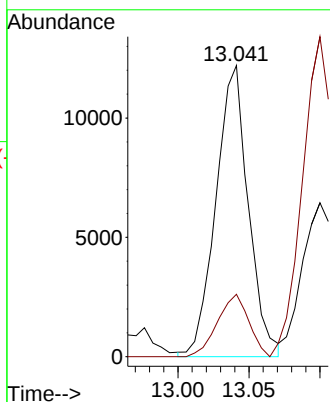
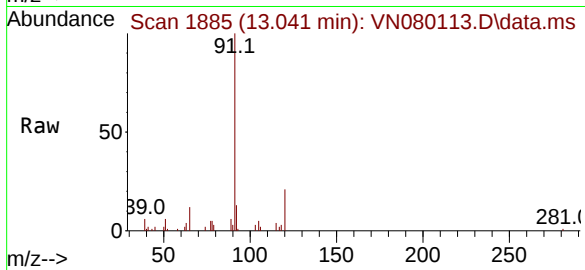
1114

Tgt Ion: 91 Resp: 19379

Ion Ratio Lower Upper

91 100

120 20.6 11.5 34.4



#80

1,3,5-Trimethylbenzene

Concen: 7.306 ug/l

RT: 13.176 min Scan# 1908

Delta R.T. 0.000 min

Lab File: VN080113.D

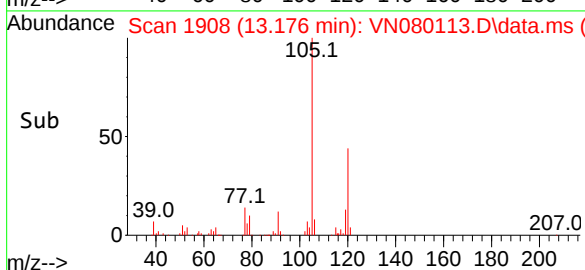
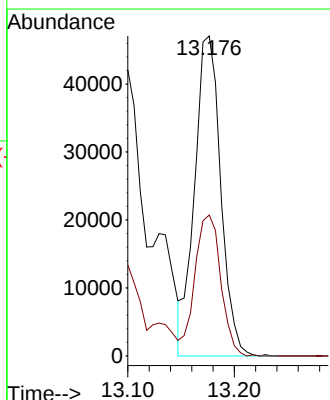
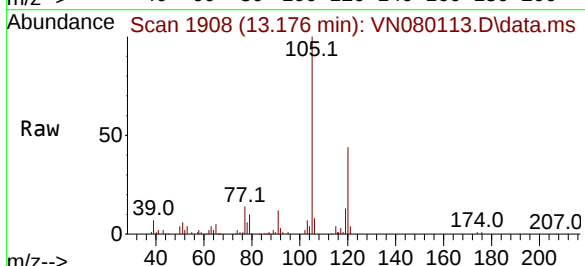
Acq: 15 Nov 2023 16:17

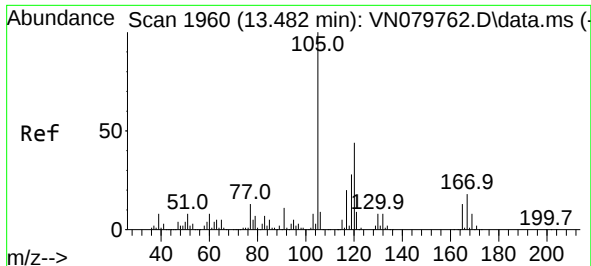
Tgt Ion: 105 Resp: 80223

Ion Ratio Lower Upper

105 100

120 43.8 24.1 72.3

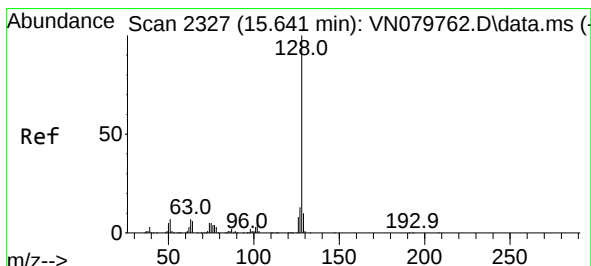
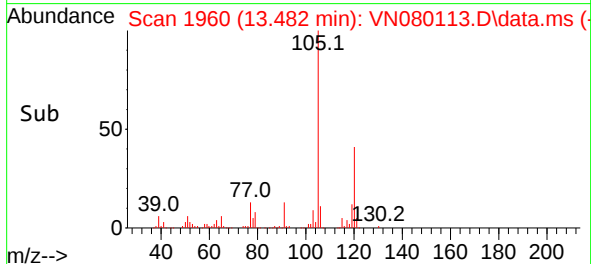
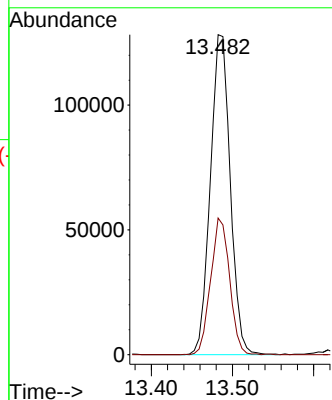
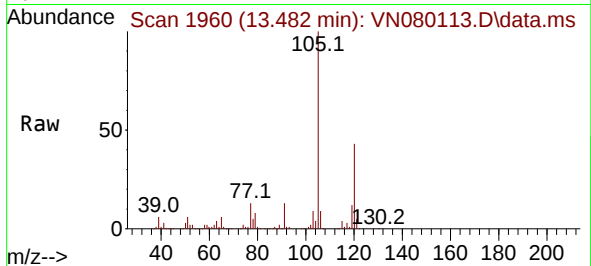




#84
1,2,4-Trimethylbenzene
Concen: 20.212 ug/l
RT: 13.482 min Scan# 1960
Delta R.T. 0.000 min
Lab File: VN080113.D
Acq: 15 Nov 2023 16:17

Instrument :
MSVOA_N
ClientSampleId :
1114

Tgt Ion:105 Resp: 218353
Ion Ratio Lower Upper
105 100
120 40.7 22.0 66.0



#95
Naphthalene
Concen: 259.865 ug/l
RT: 15.641 min Scan# 2327
Delta R.T. 0.000 min
Lab File: VN080113.D
Acq: 15 Nov 2023 16:17

Tgt Ion:128 Resp: 2542584
Ion Ratio Lower Upper
128 100
127 13.0 10.0 15.0
129 10.9 8.7 13.1

