

Data Path : Z:\voasrv\HPCHEM1\MSVOA_N\Data\VN110623\
 Data File : VN079953.D
 Acq On : 07 Nov 2023 08:05
 Operator : JC\MD
 Sample : 05107-24
 Misc : 5.0mL/MSVOA_N/WATER
 ALS Vial : 47 Sample Multiplier: 1

Instrument :
 MSVOA_N
 ClientSampleId :
 1048

Quant Time: Nov 07 12:32:17 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)

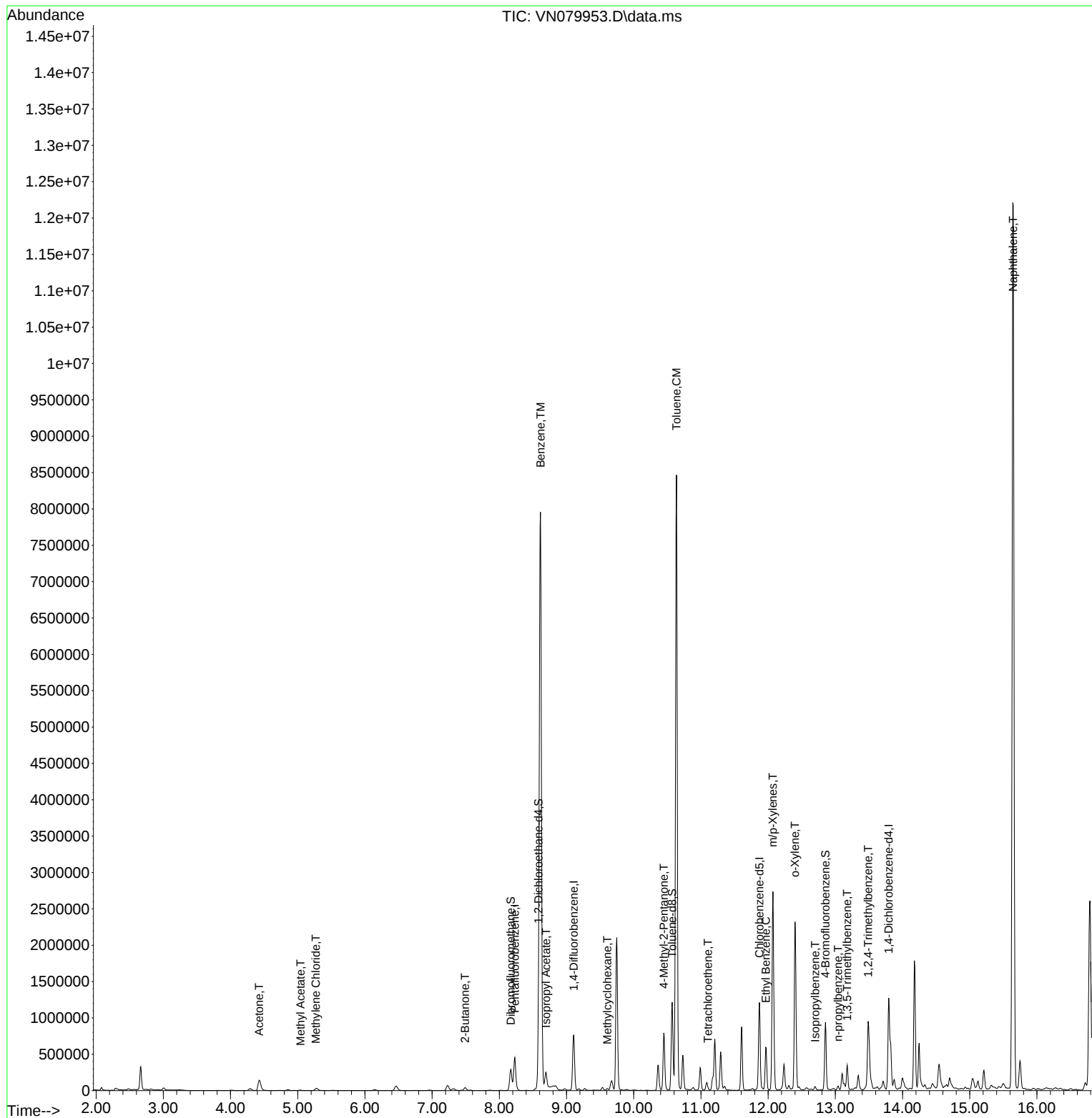
Internal Standards						
1) Pentafluorobenzene	8.230	168	303563	50.000	ug/l	0.00
34) 1,4-Difluorobenzene	9.106	114	637501	50.000	ug/l	0.00
63) Chlorobenzene-d5	11.871	117	676071	50.000	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.794	152	307169	50.000	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	8.583	65	259670	56.146	ug/l	0.00
Spiked Amount 50.000	Range 74 - 125		Recovery = 112.300%			
35) Dibromofluoromethane	8.171	113	207415	45.970	ug/l	0.00
Spiked Amount 50.000	Range 75 - 124		Recovery = 91.940%			
50) Toluene-d8	10.571	98	803377	48.366	ug/l	0.00
Spiked Amount 50.000	Range 86 - 113		Recovery = 96.740%			
62) 4-Bromofluorobenzene	12.853	95	307331	55.789	ug/l	0.00
Spiked Amount 50.000	Range 83 - 123		Recovery = 111.580%			
Target Compounds					Qvalue	
16) Acetone	4.424	43	271792	167.304	ug/l	96
18) Methyl Acetate	5.042	43	13220	1.701	ug/l #	77
20) Methylene Chloride	5.271	84	24526	5.983	ug/l	94
25) 2-Butanone	7.489	43	63179	26.558	ug/l #	86
39) Methylcyclohexane	9.606	83	8014	1.322	ug/l	88
40) Benzene	8.612	78	8051997	417.293	ug/l	99
43) Isopropyl Acetate	8.694	43	285737	27.577	ug/l #	77
51) 4-Methyl-2-Pentanone	10.447	43	525208	90.034	ug/l	90
52) Toluene	10.635	92	3607572	315.365	ug/l	100
64) Tetrachloroethene	11.106	164	2711	0.619	ug/l #	85
67) Ethyl Benzene	11.965	91	409053	16.009	ug/l	96
68) m/p-Xylenes	12.071	106	802072	84.269	ug/l	94
69) o-Xylene	12.400	106	594051	64.815	ug/l	91
73) Isopropylbenzene	12.700	105	26560	1.139	ug/l	98
78) n-propylbenzene	13.041	91	37503	1.405	ug/l	91
80) 1,3,5-Trimethylbenzene	13.176	105	170985	9.427	ug/l	99
84) 1,2,4-Trimethylbenzene	13.488	105	580277	32.518	ug/l	82
95) Naphthalene	15.647	128	10861220	672.020	ug/l	99

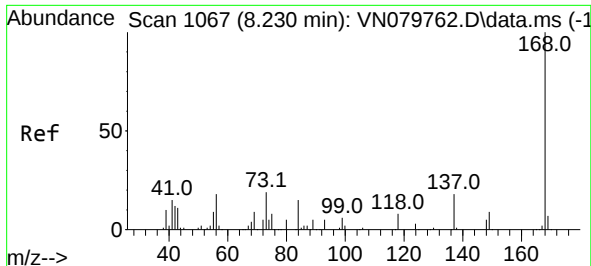
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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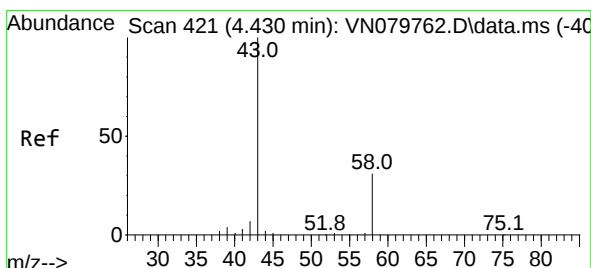
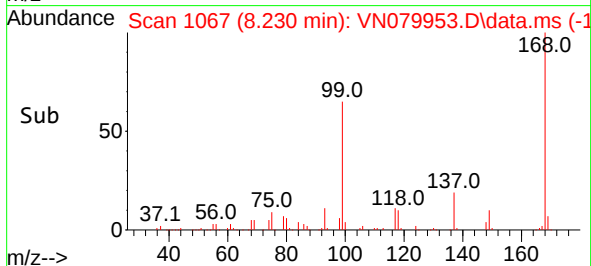
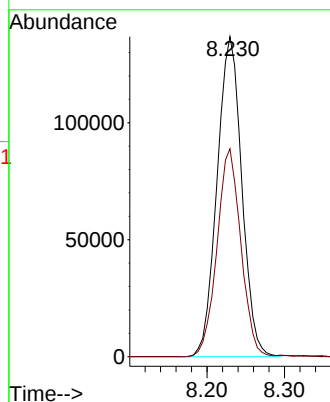
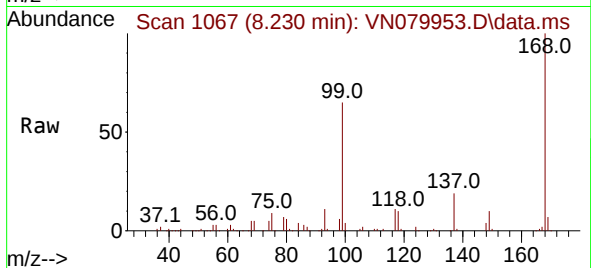




#1
Pentafluorobenzene
Concen: 50.000 ug/l
RT: 8.230 min Scan# 1067
Delta R.T. 0.001 min
Lab File: VN079953.D
Acq: 07 Nov 2023 08:05

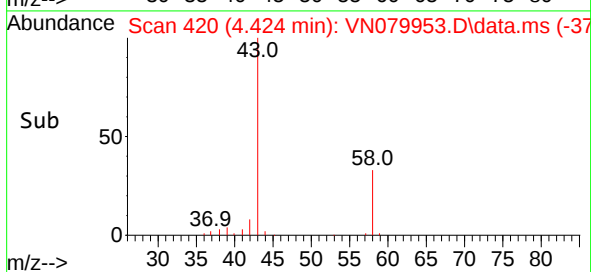
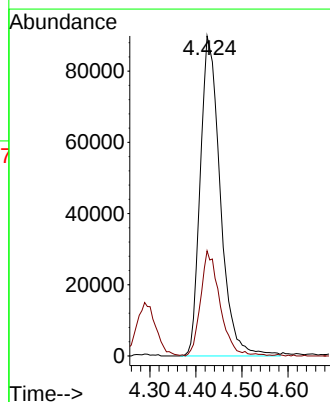
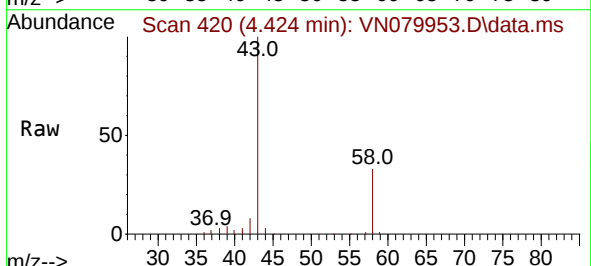
Instrument :
MSVOA_N
ClientSampleId :
1048

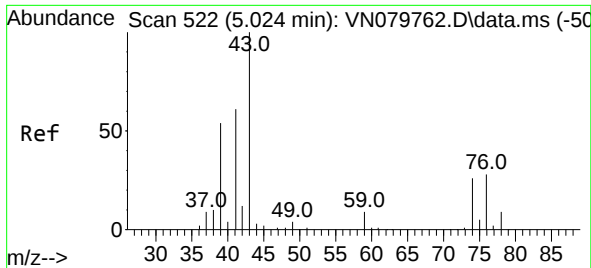
Tgt Ion:168 Resp: 303563
Ion Ratio Lower Upper
168 100
99 65.0 53.0 79.6



#16
Acetone
Concen: 167.304 ug/l
RT: 4.424 min Scan# 420
Delta R.T. -0.006 min
Lab File: VN079953.D
Acq: 07 Nov 2023 08:05

Tgt Ion: 43 Resp: 271792
Ion Ratio Lower Upper
43 100
58 32.7 28.0 42.0

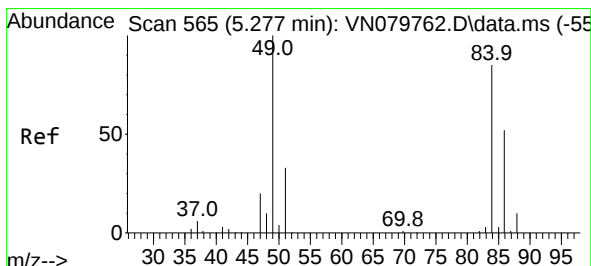
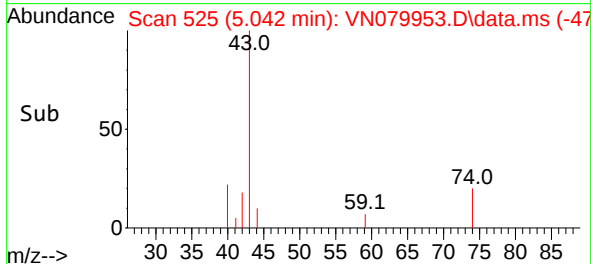
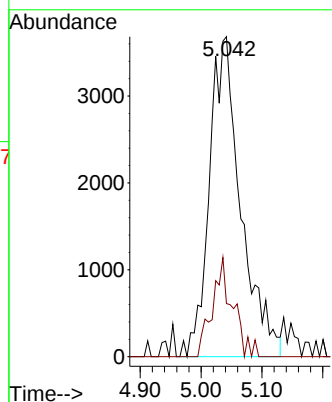
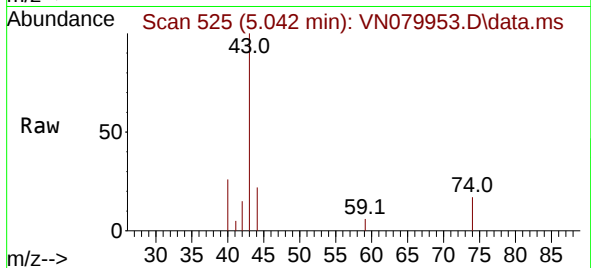




#18
Methyl Acetate
Concen: 1.701 ug/l
RT: 5.042 min Scan# 51
Delta R.T. 0.018 min
Lab File: VN079953.D
Acq: 07 Nov 2023 08:05

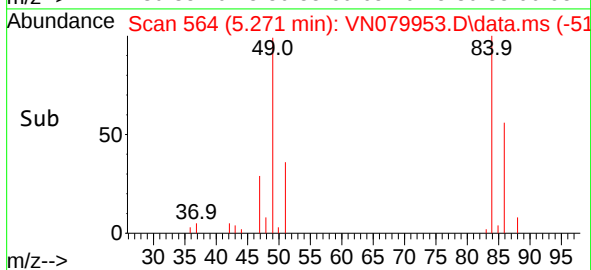
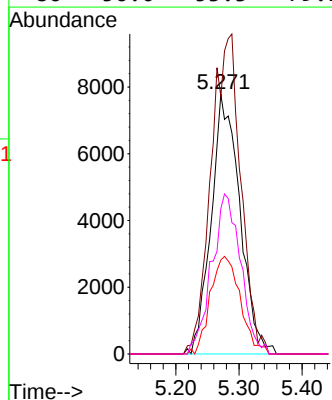
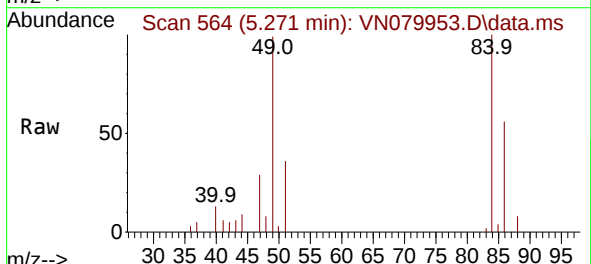
Instrument :
MSVOA_N
ClientSampleId :
1048

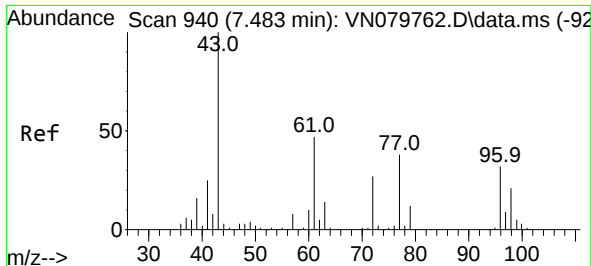
Tgt Ion: 43 Resp: 13220
Ion Ratio Lower Upper
43 100
74 20.0 26.2 39.4#



#20
Methylene Chloride
Concen: 5.983 ug/l
RT: 5.271 min Scan# 564
Delta R.T. 0.000 min
Lab File: VN079953.D
Acq: 07 Nov 2023 08:05

Tgt Ion: 84 Resp: 24526
Ion Ratio Lower Upper
84 100
49 99.2 79.7 119.5
51 36.2 25.2 37.8
86 56.0 53.3 79.9

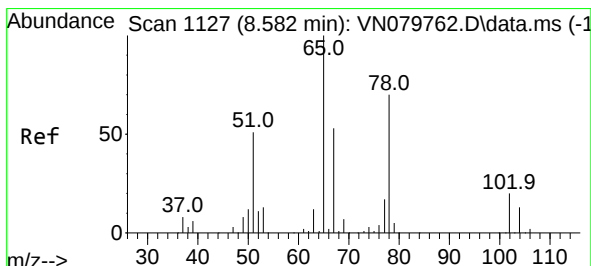
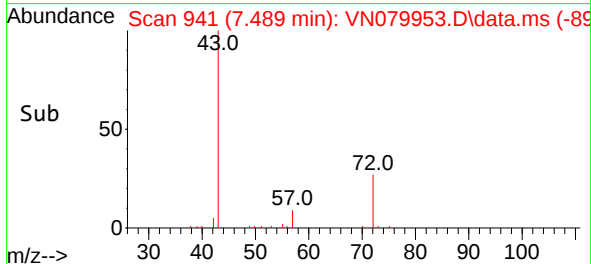
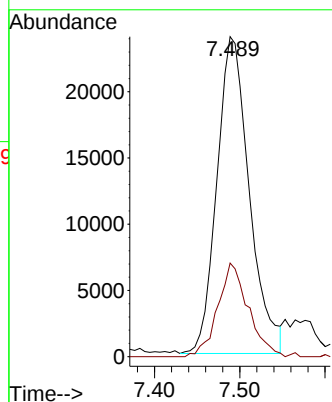
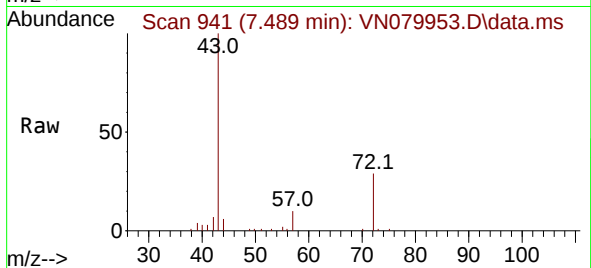




#25
2-Butanone
Concen: 26.558 ug/l
RT: 7.489 min Scan# 940
Delta R.T. 0.000 min
Lab File: VN079953.D
Acq: 07 Nov 2023 08:05

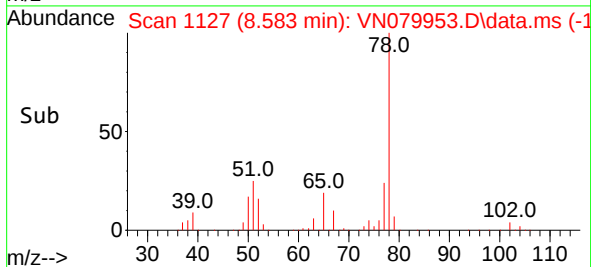
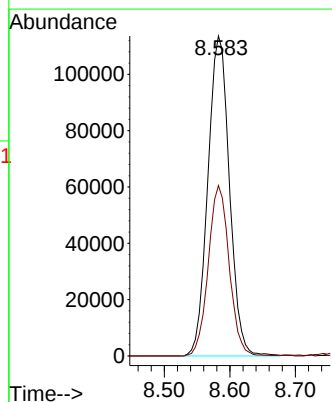
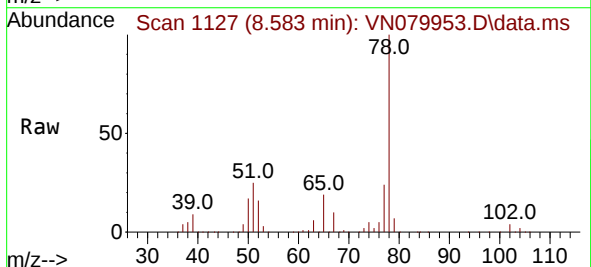
Instrument :
MSVOA_N
ClientSampleId :
1048

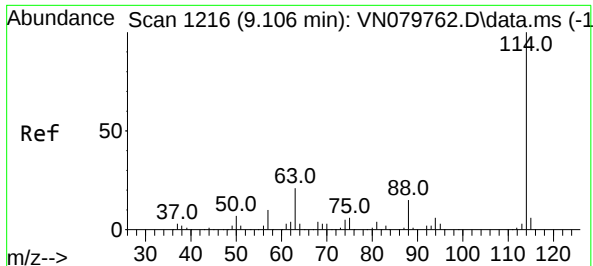
Tgt Ion: 43 Resp: 63179
Ion Ratio Lower Upper
43 100
72 29.6 30.2 45.2#



#33
1,2-Dichloroethane-d4
Concen: 56.146 ug/l
RT: 8.583 min Scan# 1127
Delta R.T. 0.000 min
Lab File: VN079953.D
Acq: 07 Nov 2023 08:05

Tgt Ion: 65 Resp: 259670
Ion Ratio Lower Upper
65 100
67 51.7 0.0 106.6





#34

1,4-Difluorobenzene

Concen: 50.000 ug/l

RT: 9.106 min Scan# 1

Delta R.T. 0.000 min

Lab File: VN079953.D

Acq: 07 Nov 2023 08:05

Instrument :

MSVOA_N

ClientSampleId :

1048

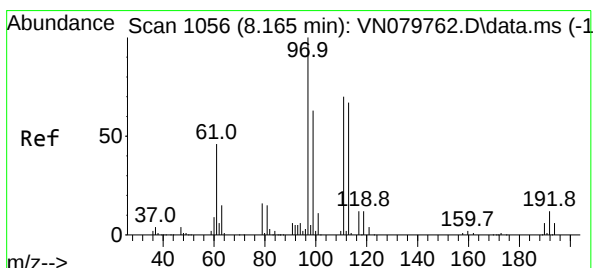
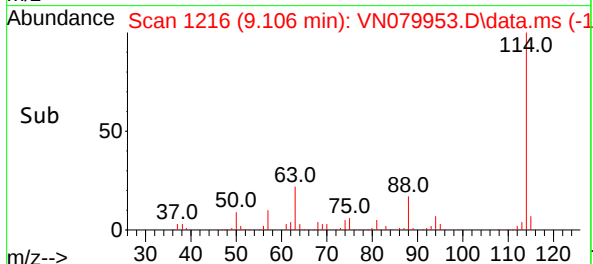
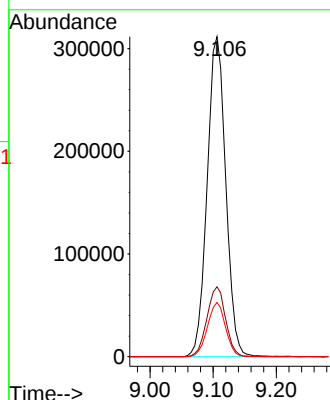
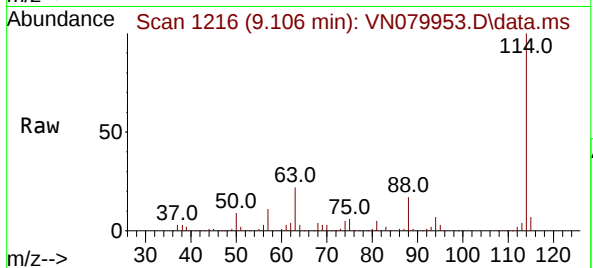
Tgt Ion:114 Resp: 637501

Ion Ratio Lower Upper

114 100

63 21.9 0.0 36.4

88 16.9 0.0 30.6



#35

Dibromofluoromethane

Concen: 45.970 ug/l

RT: 8.171 min Scan# 1057

Delta R.T. 0.000 min

Lab File: VN079953.D

Acq: 07 Nov 2023 08:05

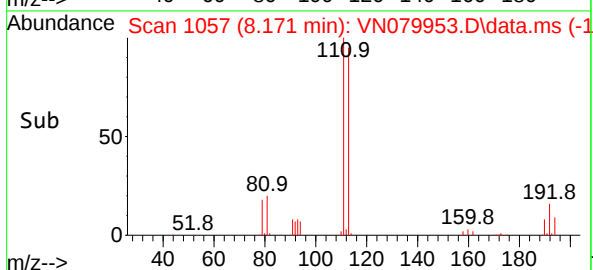
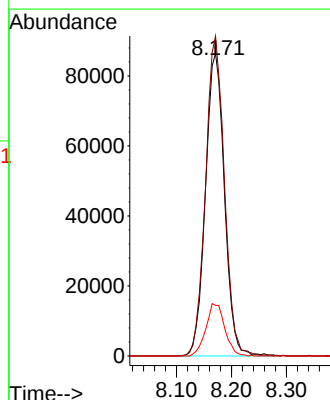
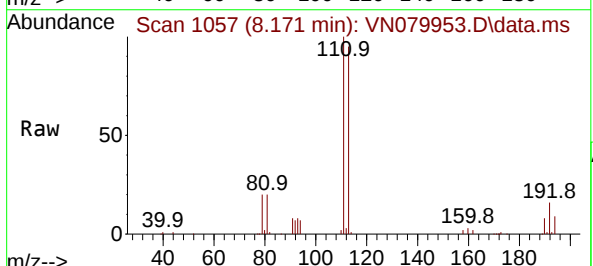
Tgt Ion:113 Resp: 207415

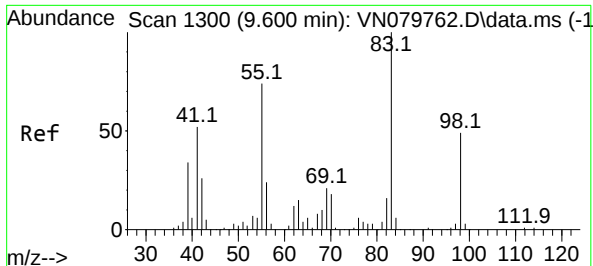
Ion Ratio Lower Upper

113 100

111 105.0 82.6 123.8

192 17.2 12.7 19.1





#39

Methylcyclohexane

Concen: 1.322 ug/l

RT: 9.606 min Scan# 1130

Delta R.T. 0.000 min

Lab File: VN079953.D

Acq: 07 Nov 2023 08:05

Instrument :

MSVOA_N

ClientSampleId :

1048

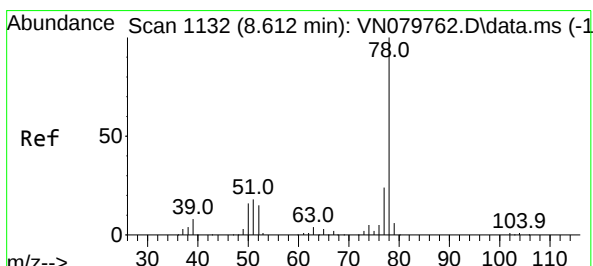
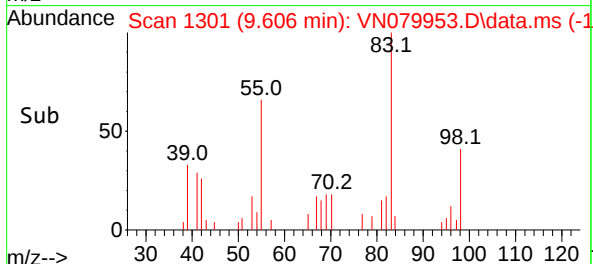
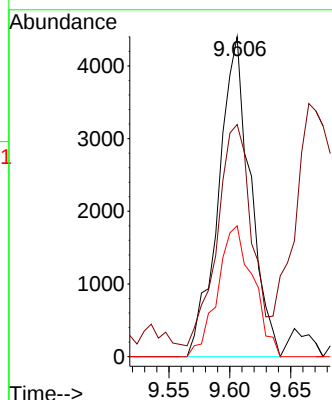
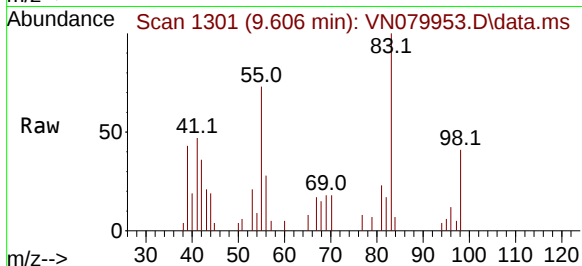
Tgt Ion: 83 Resp: 8014

Ion Ratio Lower Upper

83 100

55 68.7 49.1 73.7

98 40.9 40.6 61.0



#40

Benzene

Concen: 417.293 ug/l

RT: 8.612 min Scan# 1132

Delta R.T. 0.000 min

Lab File: VN079953.D

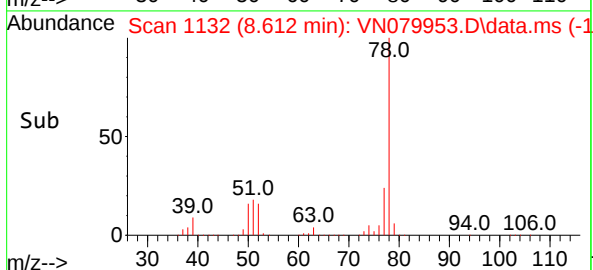
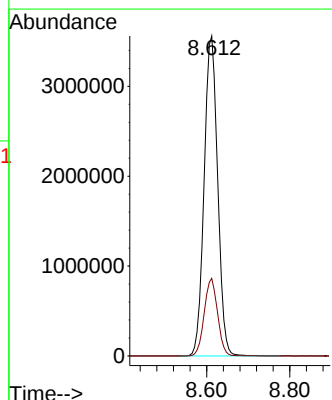
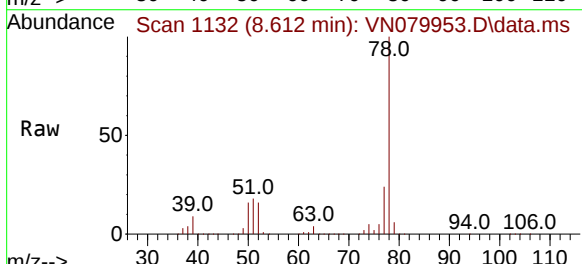
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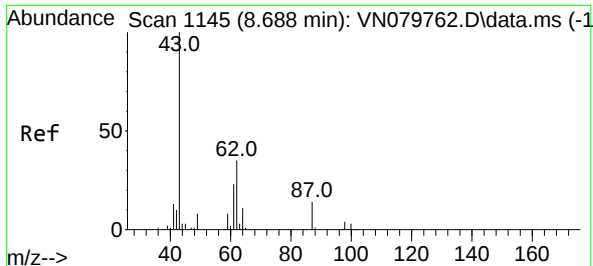
Tgt Ion: 78 Resp: 8051997

Ion Ratio Lower Upper

78 100

77 24.3 19.0 28.6





#43

Isopropyl Acetate

Concen: 27.577 ug/l

RT: 8.694 min Scan# 1146

Delta R.T. 0.006 min

Lab File: VN079953.D

Acq: 07 Nov 2023 08:05

Instrument :

MSVOA_N

ClientSampleId :

1048

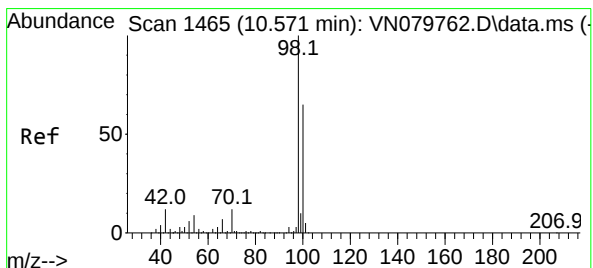
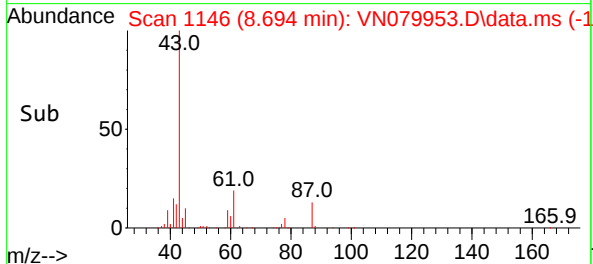
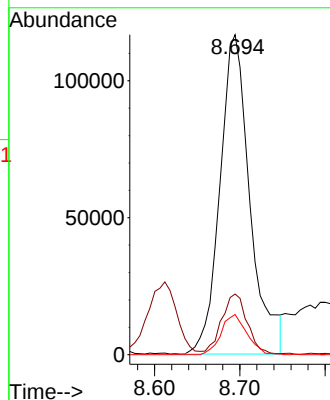
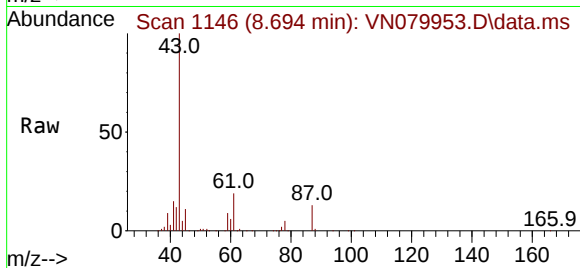
Tgt Ion: 43 Resp: 285737

Ion Ratio Lower Upper

43 100

61 16.4 24.7 37.1#

87 10.8 14.6 21.8#



#50

Toluene-d8

Concen: 48.366 ug/l

RT: 10.571 min Scan# 1465

Delta R.T. 0.000 min

Lab File: VN079953.D

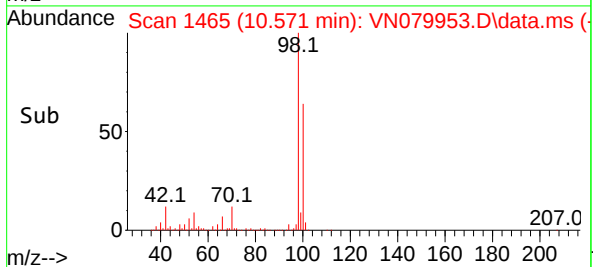
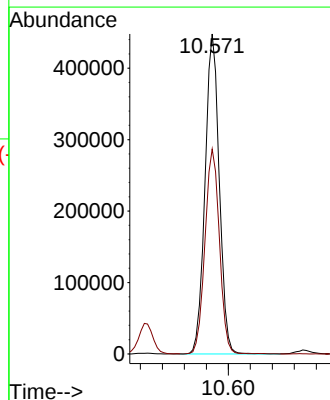
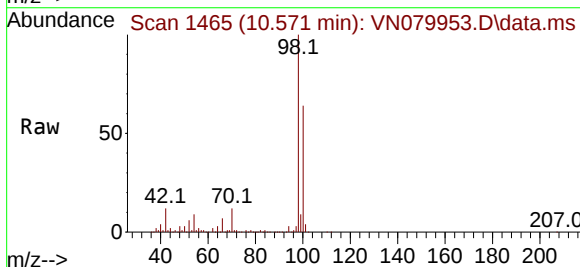
Acq: 07 Nov 2023 08:05

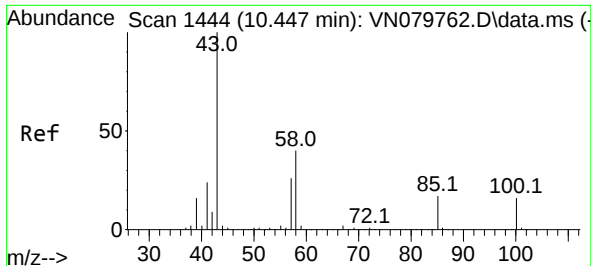
Tgt Ion: 98 Resp: 803377

Ion Ratio Lower Upper

98 100

100 65.1 52.0 78.0





#51

4-Methyl-2-Pentanone

Concen: 90.034 ug/l

RT: 10.447 min Scan# 1444

Delta R.T. 0.000 min

Lab File: VN079953.D

Acq: 07 Nov 2023 08:05

Instrument :

MSVOA_N

ClientSampleId :

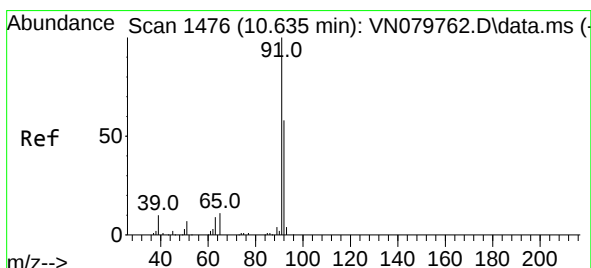
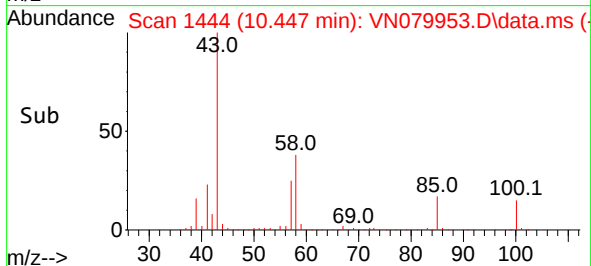
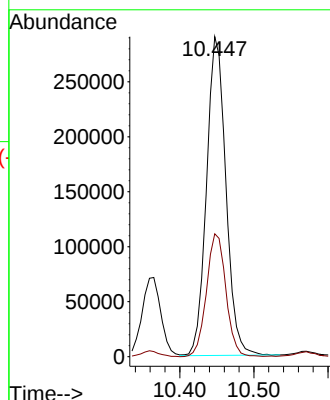
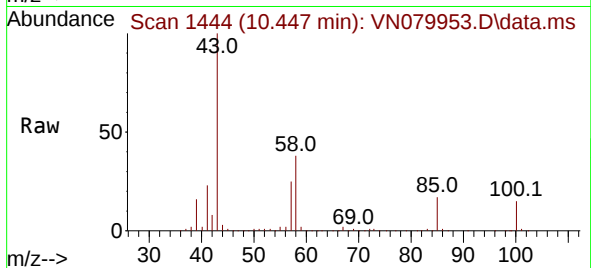
1048

Tgt Ion: 43 Resp: 525208

Ion Ratio Lower Upper

43 100

58 38.8 36.6 54.8



#52

Toluene

Concen: 315.365 ug/l

RT: 10.635 min Scan# 1476

Delta R.T. 0.000 min

Lab File: VN079953.D

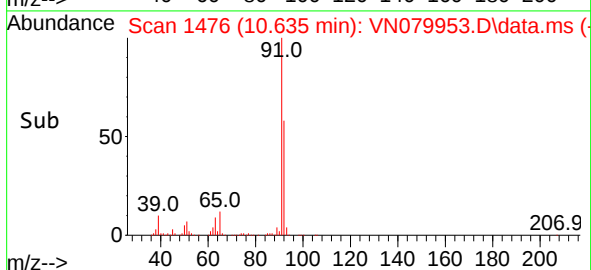
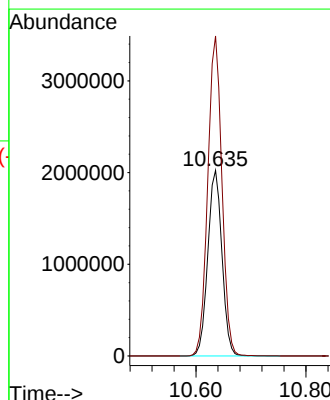
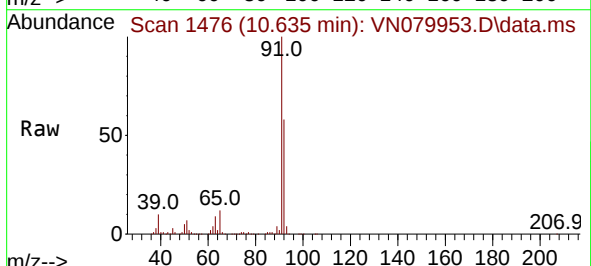
Acq: 07 Nov 2023 08:05

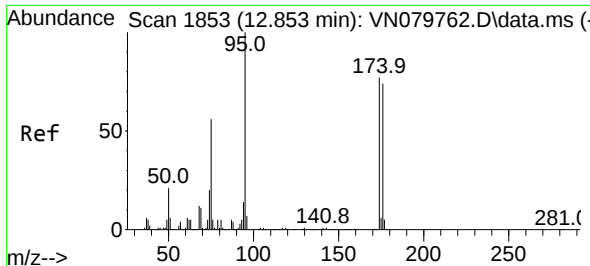
Tgt Ion: 92 Resp: 3607572

Ion Ratio Lower Upper

92 100

91 172.4 137.4 206.0

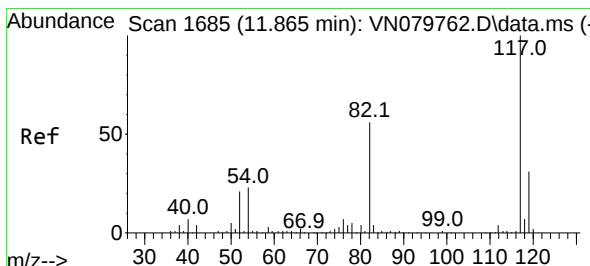
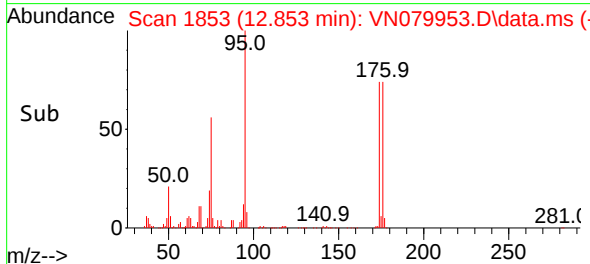
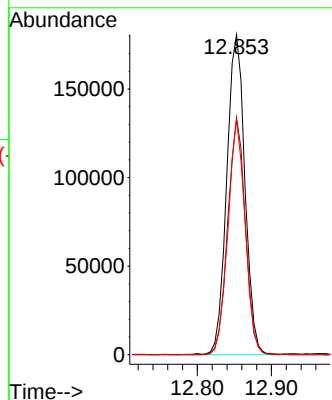
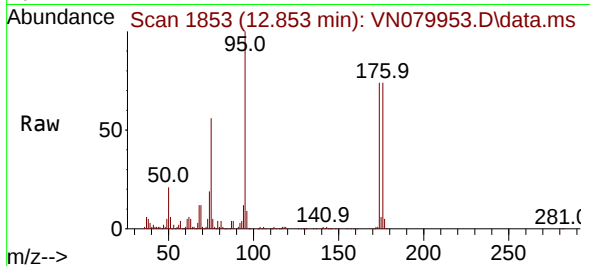




#62
4-Bromofluorobenzene
Concen: 55.789 ug/l
RT: 12.853 min Scan# 1853
Delta R.T. 0.000 min
Lab File: VN079953.D
Acq: 07 Nov 2023 08:05

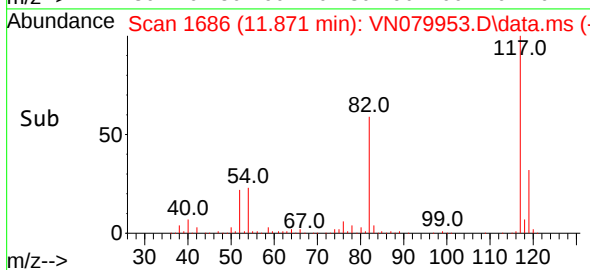
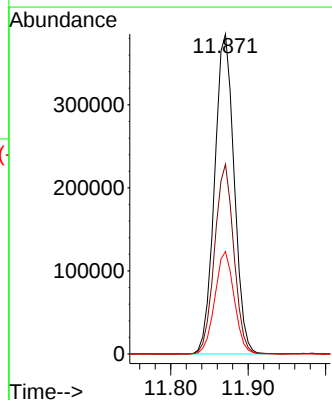
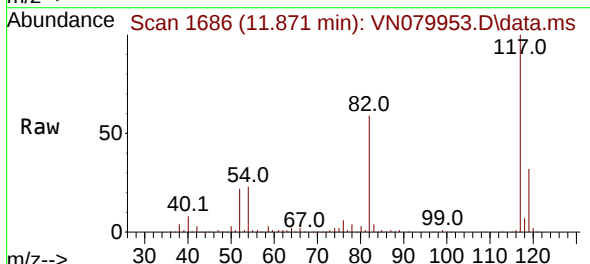
Instrument :
MSVOA_N
ClientSampleId :
1048

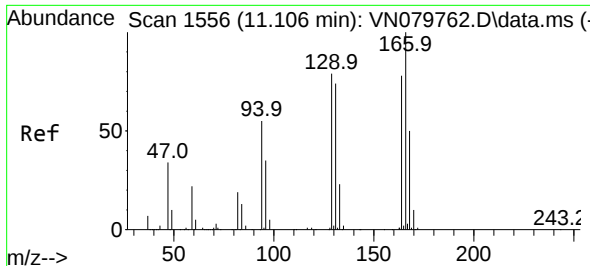
Tgt Ion: 95 Resp: 307331
Ion Ratio Lower Upper
95 100
174 71.3 0.0 143.8
176 69.6 0.0 135.8



#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 11.871 min Scan# 1686
Delta R.T. 0.000 min
Lab File: VN079953.D
Acq: 07 Nov 2023 08:05

Tgt Ion: 117 Resp: 676071
Ion Ratio Lower Upper
117 100
82 59.2 44.0 66.0
119 32.0 25.6 38.4

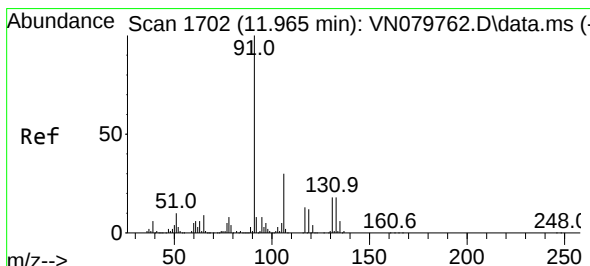
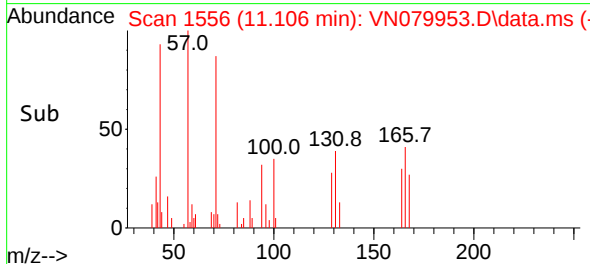
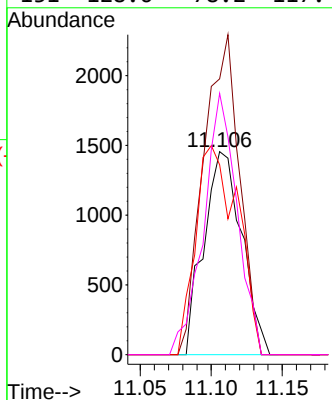
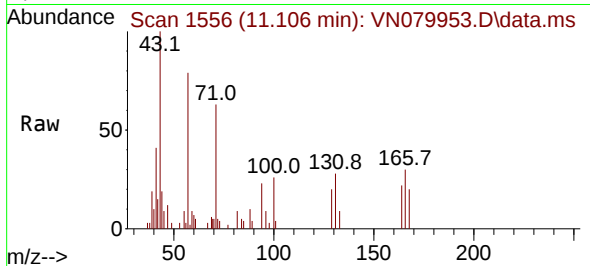




#64
Tetrachloroethene
Concen: 0.619 ug/l
RT: 11.106 min Scan# 11048
Delta R.T. 0.000 min
Lab File: VN079953.D
Acq: 07 Nov 2023 08:05

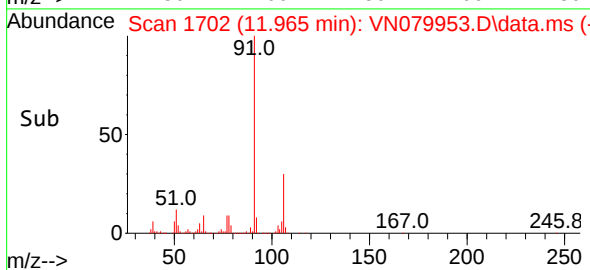
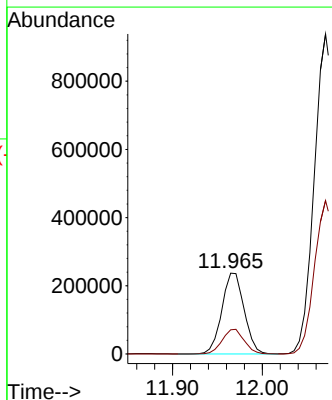
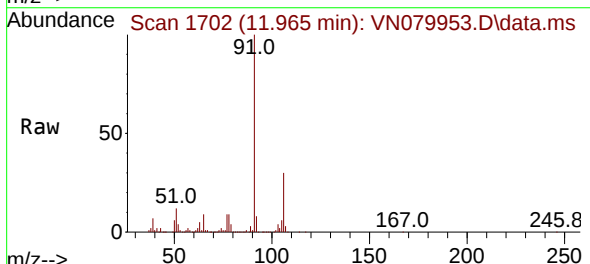
Instrument :
MSVOA_N
ClientSampleId :
1048

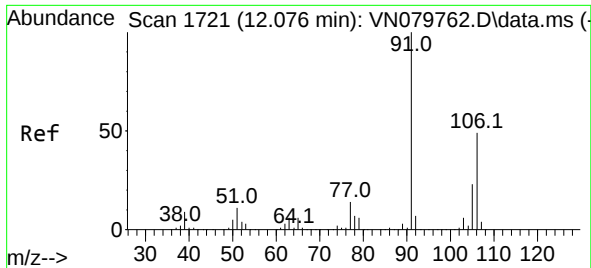
Tgt Ion:164 Resp: 2711
Ion Ratio Lower Upper
164 100
166 135.9 101.4 152.0
129 93.5 82.4 123.6
131 128.6 78.2 117.4#



#67
Ethyl Benzene
Concen: 16.009 ug/l
RT: 11.965 min Scan# 1702
Delta R.T. 0.000 min
Lab File: VN079953.D
Acq: 07 Nov 2023 08:05

Tgt Ion: 91 Resp: 409053
Ion Ratio Lower Upper
91 100
106 30.0 25.6 38.4

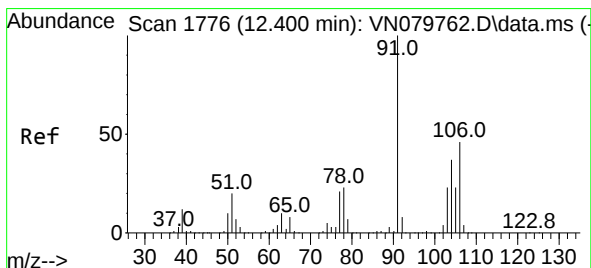
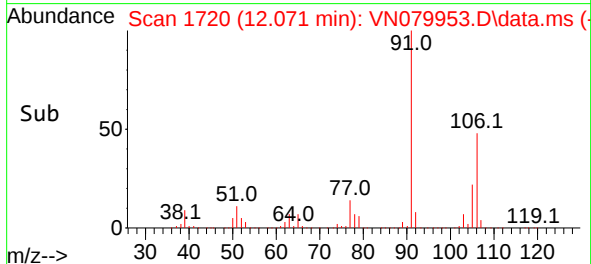
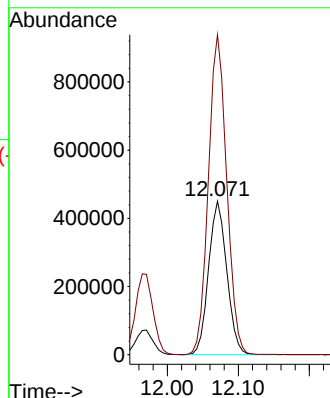
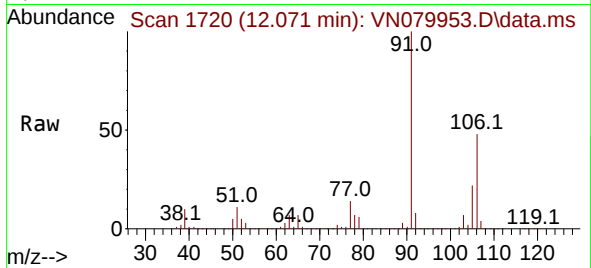




#68
m/p-Xylenes
Concen: 84.269 ug/l
RT: 12.071 min Scan# 11
Delta R.T. 0.000 min
Lab File: VN079953.D
Acq: 07 Nov 2023 08:05

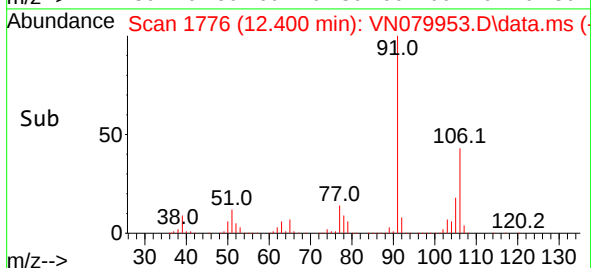
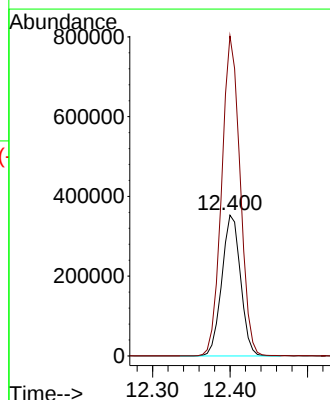
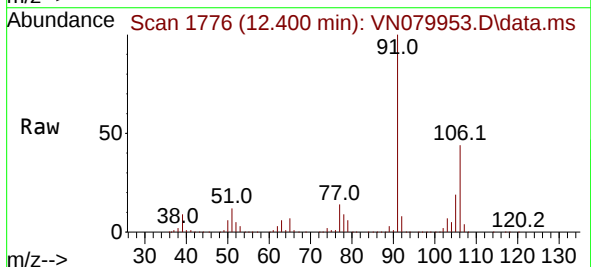
Instrument :
MSVOA_N
ClientSampleId :
1048

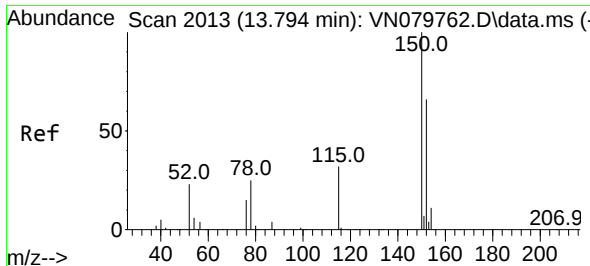
Tgt Ion:106 Resp: 802072
Ion Ratio Lower Upper
106 100
91 209.1 159.6 239.4



#69
o-Xylene
Concen: 64.815 ug/l
RT: 12.400 min Scan# 1776
Delta R.T. 0.000 min
Lab File: VN079953.D
Acq: 07 Nov 2023 08:05

Tgt Ion:106 Resp: 594051
Ion Ratio Lower Upper
106 100
91 223.7 105.2 315.5

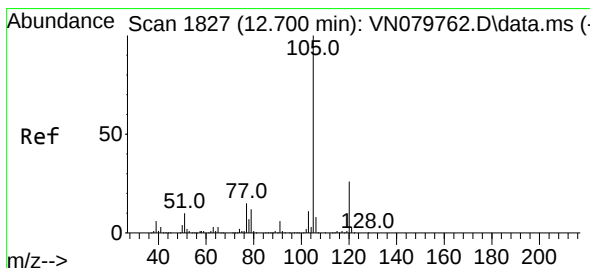
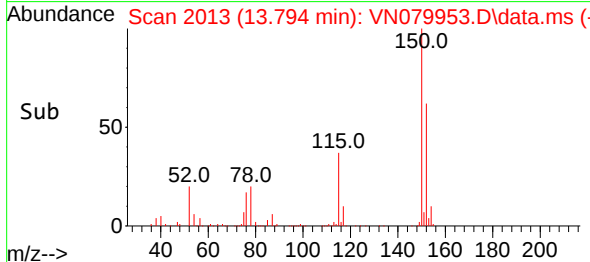
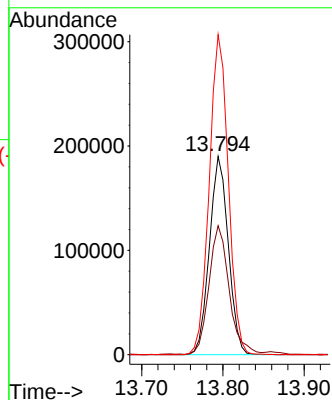
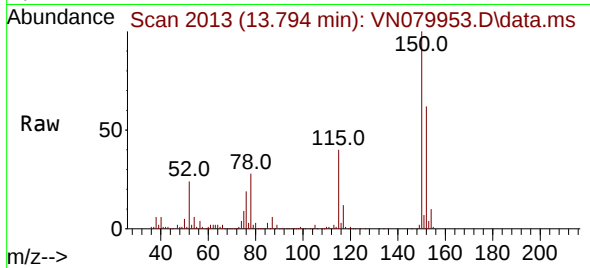




#72
1,4-Dichlorobenzene-d4
Concen: 50.000 ug/l
RT: 13.794 min Scan# 2013
Delta R.T. 0.000 min
Lab File: VN079953.D
Acq: 07 Nov 2023 08:05

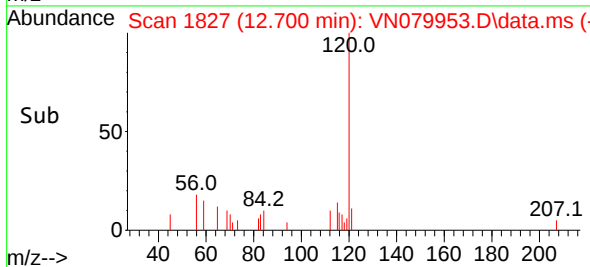
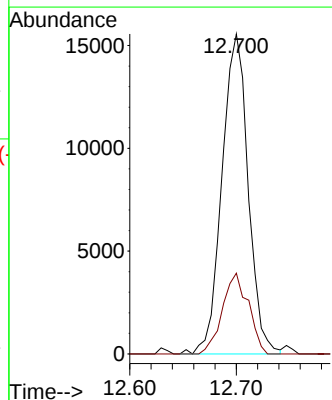
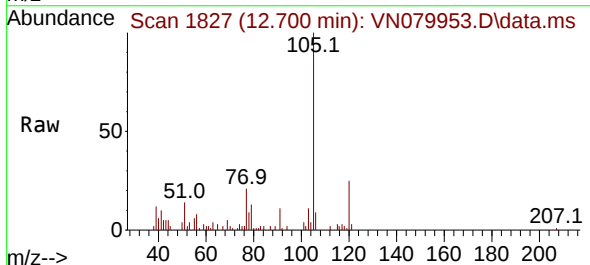
Instrument :
MSVOA_N
ClientSampleId :
1048

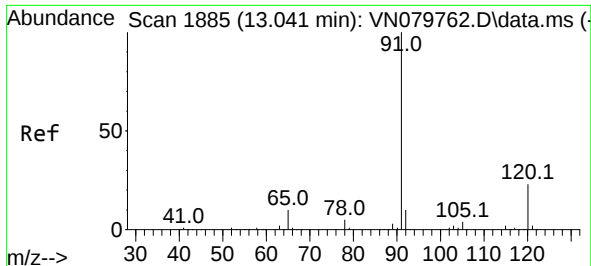
Tgt Ion:152 Resp: 307169
Ion Ratio Lower Upper
152 100
115 69.1 32.3 96.8
150 162.7 0.0 355.8



#73
Isopropylbenzene
Concen: 1.139 ug/l
RT: 12.700 min Scan# 1827
Delta R.T. 0.000 min
Lab File: VN079953.D
Acq: 07 Nov 2023 08:05

Tgt Ion:105 Resp: 26560
Ion Ratio Lower Upper
105 100
120 25.0 13.1 39.1

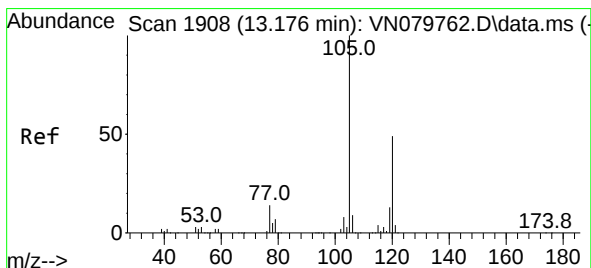
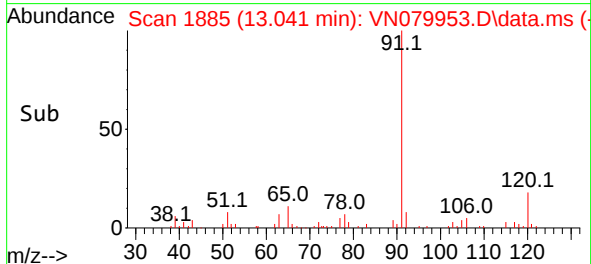
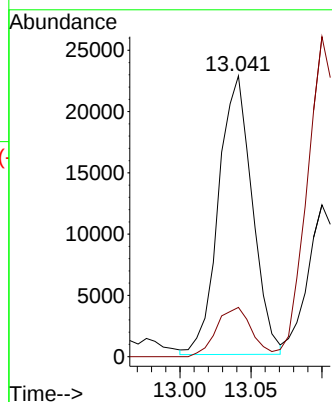
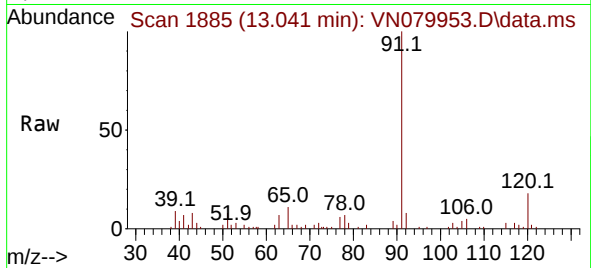




#78
n-propylbenzene
Concen: 1.405 ug/l
RT: 13.041 min Scan# 1885
Delta R.T. 0.000 min
Lab File: VN079953.D
Acq: 07 Nov 2023 08:05

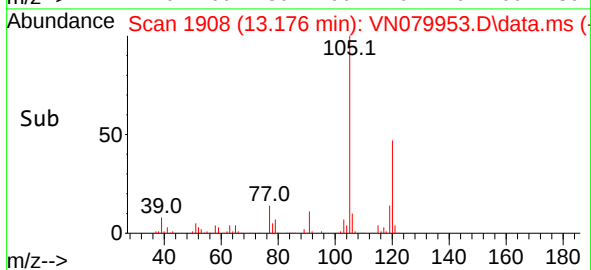
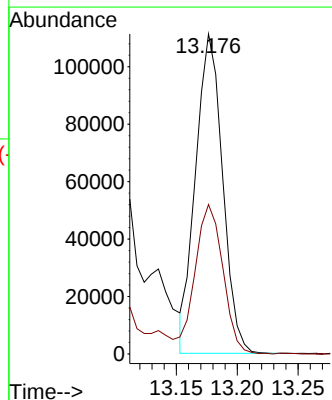
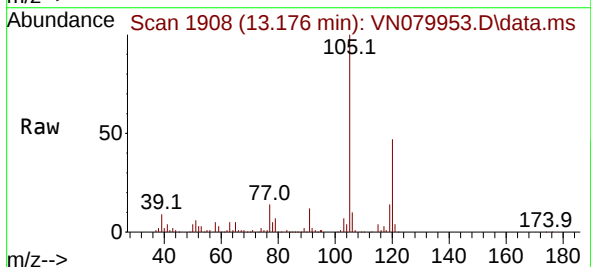
Instrument :
MSVOA_N
ClientSampleId :
1048

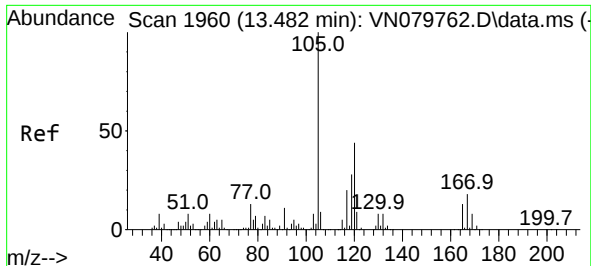
Tgt Ion: 91 Resp: 37503
Ion Ratio Lower Upper
91 100
120 18.5 11.5 34.4



#80
1,3,5-Trimethylbenzene
Concen: 9.427 ug/l
RT: 13.176 min Scan# 1908
Delta R.T. 0.000 min
Lab File: VN079953.D
Acq: 07 Nov 2023 08:05

Tgt Ion:105 Resp: 170985
Ion Ratio Lower Upper
105 100
120 49.0 24.1 72.3

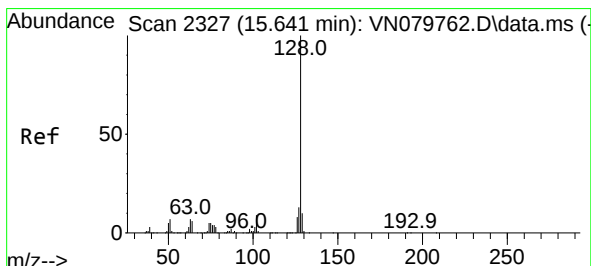
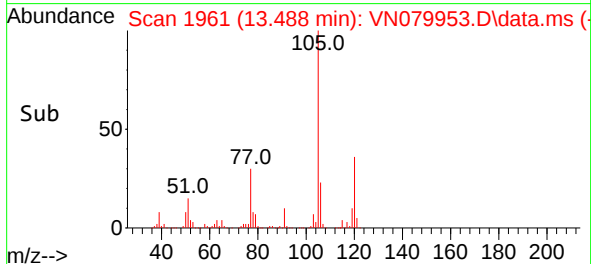
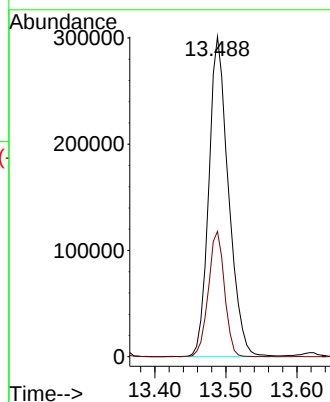
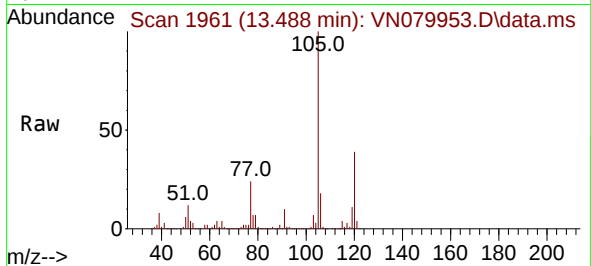




#84
1,2,4-Trimethylbenzene
Concen: 32.518 ug/l
RT: 13.488 min Scan# 1960
Delta R.T. 0.006 min
Lab File: VN079953.D
Acq: 07 Nov 2023 08:05

Instrument :
MSVOA_N
ClientSampleId :
1048

Tgt Ion:105 Resp: 580277
Ion Ratio Lower Upper
105 100
120 32.1 22.0 66.0



#95
Naphthalene
Concen: 672.020 ug/l
RT: 15.647 min Scan# 2328
Delta R.T. 0.006 min
Lab File: VN079953.D
Acq: 07 Nov 2023 08:05

Tgt Ion:128 Resp:10861220
Ion Ratio Lower Upper
128 100
127 13.0 10.0 15.0
129 11.1 8.7 13.1

