

Data Path : Z:\voasrv\HPCHEM1\MSVOA_N\Data\VN010423\
 Data File : VN076097.D
 Acq On : 04 Jan 2023 21:31
 Operator : JC\MD
 Sample : 01019-01
 Misc : 5.0mL/MSVOA_N/WATER
 ALS Vial : 26 Sample Multiplier: 1

Instrument :
 MSVOA_N
 ClientSampleId :
 33881

Quant Time: Jan 05 01:29:36 2023
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA_N\methods\82N121422W.M
 Quant Title : SW846 8260
 QLast Update : Wed Dec 14 13:03:41 2022
 Response via : Initial Calibration

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

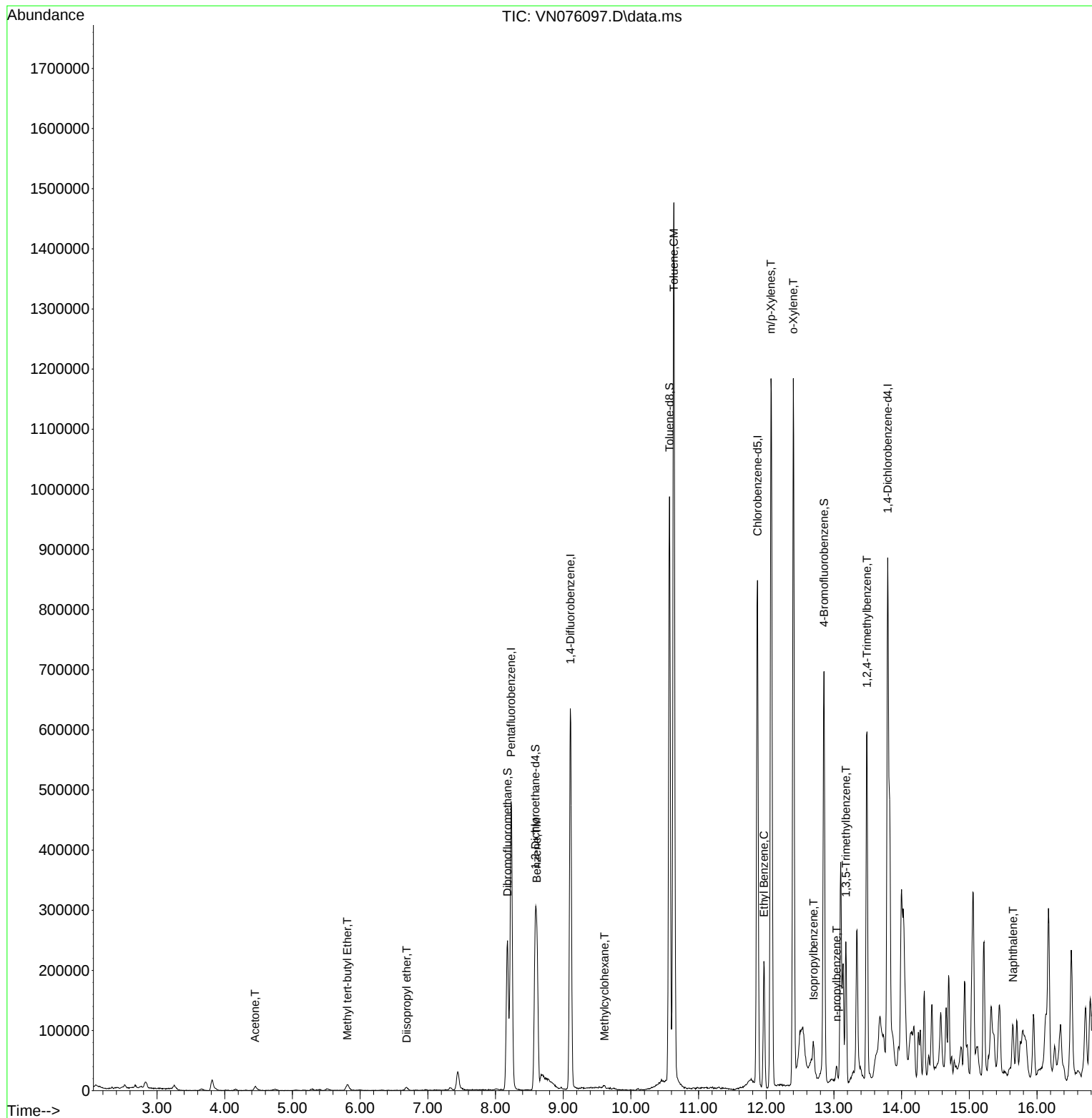
Internal Standards						
1) Pentafluorobenzene	8.230	168	376538	50.000	ug/l	0.00
34) 1,4-Difluorobenzene	9.106	114	591177	50.000	ug/l	0.00
63) Chlorobenzene-d5	11.870	117	510468	50.000	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.794	152	237262	50.000	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	8.588	65	195395	47.699	ug/l	0.00
Spiked Amount 50.000	Range 74 - 125		Recovery =	95.400%		
35) Dibromofluoromethane	8.177	113	176602	48.238	ug/l	0.00
Spiked Amount 50.000	Range 75 - 124		Recovery =	96.480%		
50) Toluene-d8	10.571	98	689222	50.351	ug/l	0.00
Spiked Amount 50.000	Range 86 - 113		Recovery =	100.700%		
62) 4-Bromofluorobenzene	12.853	95	221867	48.937	ug/l	0.00
Spiked Amount 50.000	Range 83 - 123		Recovery =	97.880%		
Target Compounds						Qvalue
16) Acetone	4.447	43	13674	9.683	ug/l	99
19) Methyl tert-butyl Ether	5.812	73	15649	1.424	ug/l	99
22) Diisopropyl ether	6.688	45	5155	0.544	ug/l #	86
39) Methylcyclohexane	9.612	83	2405	0.410	ug/l	90
40) Benzene	8.612	78	230039	15.331	ug/l	97
52) Toluene	10.635	92	677826	69.360	ug/l	99
67) Ethyl Benzene	11.965	91	155361	8.786	ug/l	98
68) m/p-Xylenes	12.070	106	422147	60.316	ug/l	98
69) o-Xylene	12.400	106	348595	50.330	ug/l	98
73) Isopropylbenzene	12.700	105	27980	1.632	ug/l	98
78) n-propylbenzene	13.041	91	20516	1.085	ug/l	91
80) 1,3,5-Trimethylbenzene	13.176	105	130014	9.060	ug/l	98
84) 1,2,4-Trimethylbenzene	13.488	105	347741	24.427	ug/l	99
95) Naphthalene	15.647	128	77511	7.919	ug/l #	97

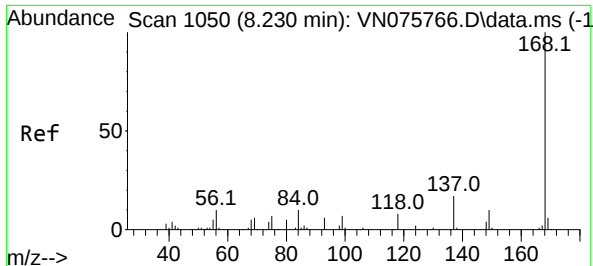
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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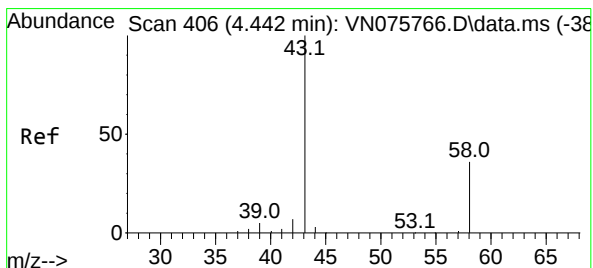
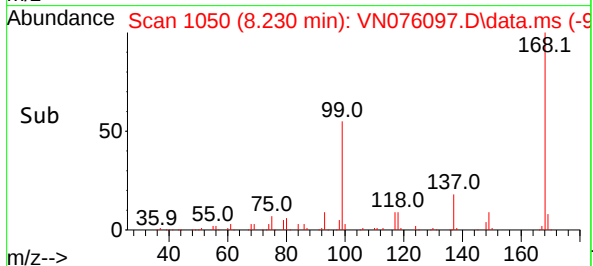
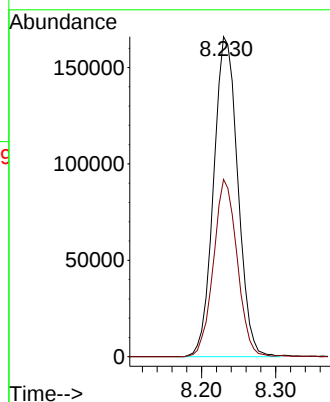
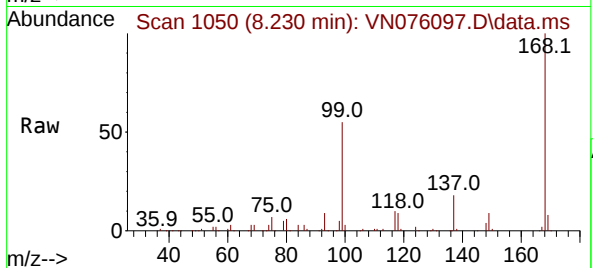




#1
Pentafluorobenzene
Concen: 50.000 ug/l
RT: 8.230 min Scan# 1050
Delta R.T. -0.000 min
Lab File: VN076097.D
Acq: 04 Jan 2023 21:31

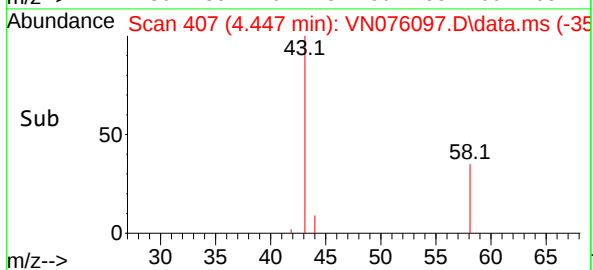
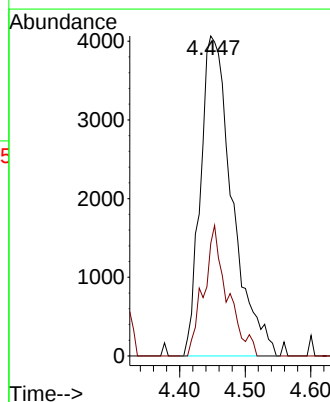
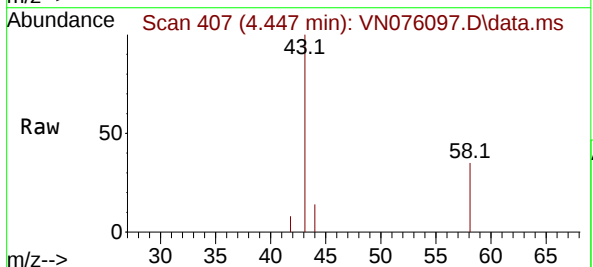
Instrument :
MSVOA_N
ClientSampleId :
33881

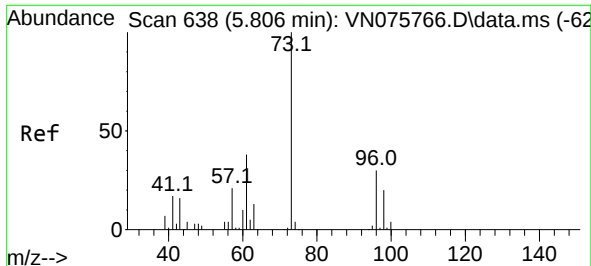
Tgt Ion:168 Resp: 376538
Ion Ratio Lower Upper
168 100
99 55.4 44.2 66.4



#16
Acetone
Concen: 9.683 ug/l
RT: 4.447 min Scan# 407
Delta R.T. 0.006 min
Lab File: VN076097.D
Acq: 04 Jan 2023 21:31

Tgt Ion: 43 Resp: 13674
Ion Ratio Lower Upper
43 100
58 35.2 28.6 43.0

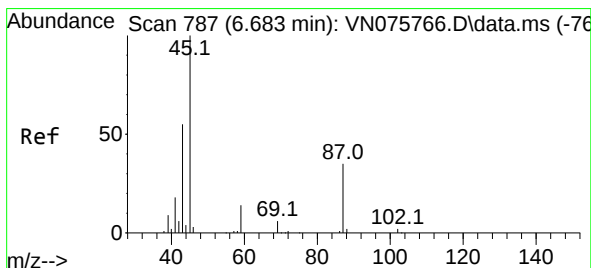
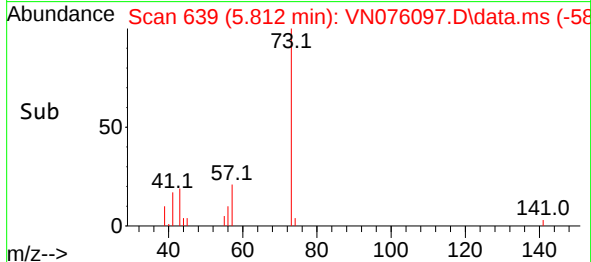
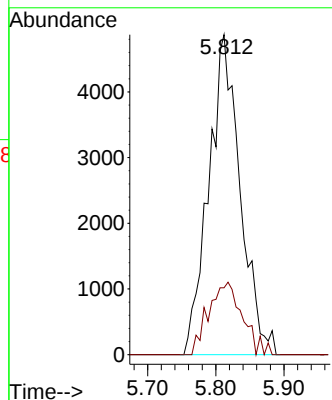
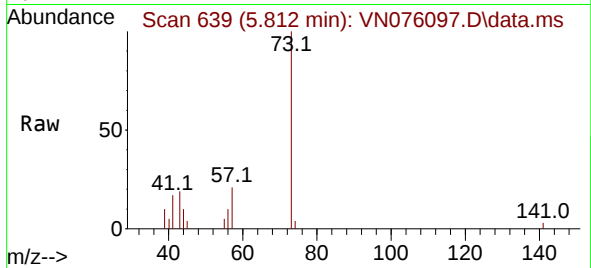




#19
Methyl tert-butyl Ether
Concen: 1.424 ug/l
RT: 5.812 min Scan# 61
Delta R.T. 0.006 min
Lab File: VN076097.D
Acq: 04 Jan 2023 21:31

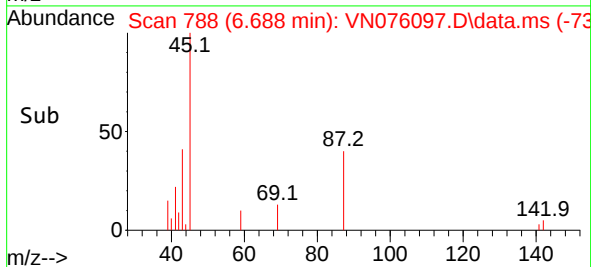
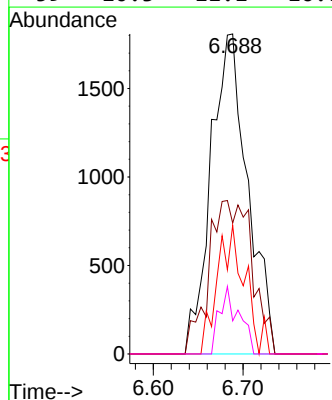
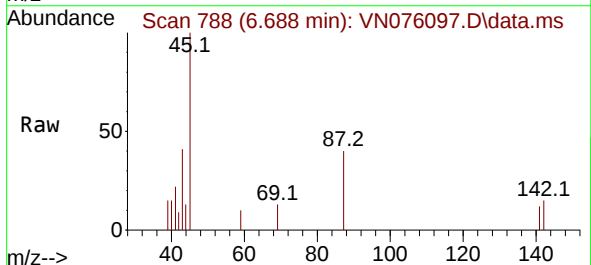
Instrument :
MSVOA_N
ClientSampleId :
33881

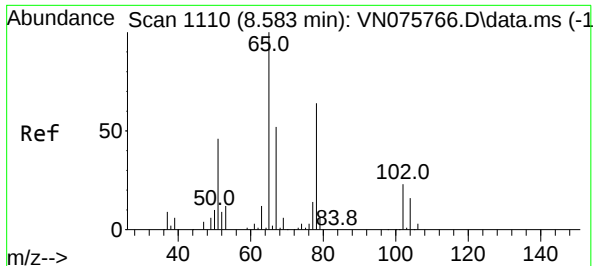
Tgt Ion: 73 Resp: 15649
Ion Ratio Lower Upper
73 100
57 20.9 17.1 25.7



#22
Diisopropyl ether
Concen: 0.544 ug/l
RT: 6.688 min Scan# 788
Delta R.T. 0.006 min
Lab File: VN076097.D
Acq: 04 Jan 2023 21:31

Tgt Ion: 45 Resp: 5155
Ion Ratio Lower Upper
45 100
43 40.9 44.2 66.4#
87 40.2 28.3 42.5
59 10.3 11.1 16.7#





#33

1,2-Dichloroethane-d4

Concen: 47.699 ug/l

RT: 8.588 min Scan# 1110

Delta R.T. 0.006 min

Lab File: VN076097.D

Acq: 04 Jan 2023 21:31

Instrument :

MSVOA_N

ClientSampleId :

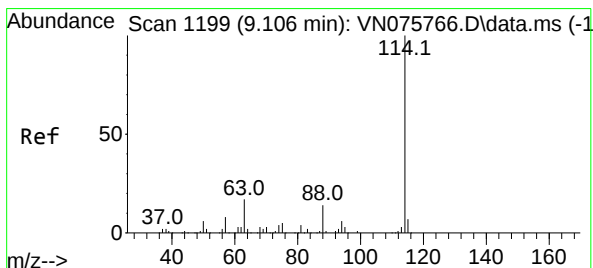
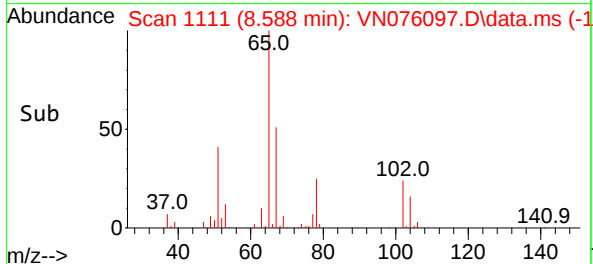
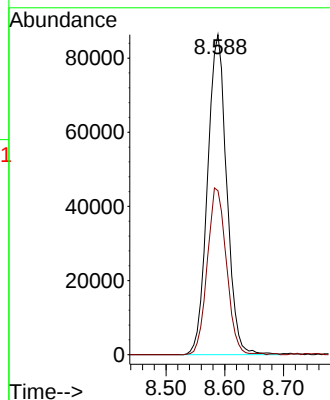
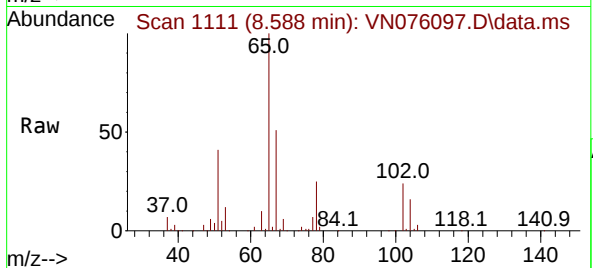
33881

Tgt Ion: 65 Resp: 195395

Ion Ratio Lower Upper

65 100

67 51.8 0.0 103.4



#34

1,4-Difluorobenzene

Concen: 50.000 ug/l

RT: 9.106 min Scan# 1199

Delta R.T. -0.000 min

Lab File: VN076097.D

Acq: 04 Jan 2023 21:31

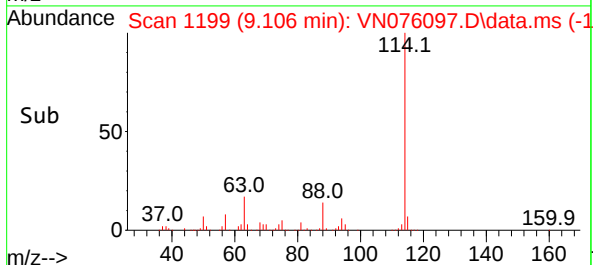
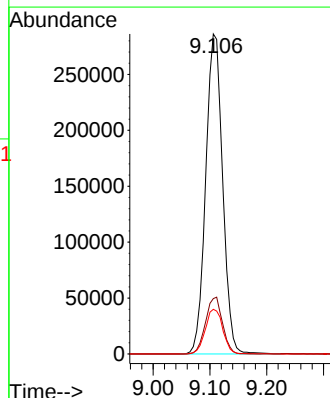
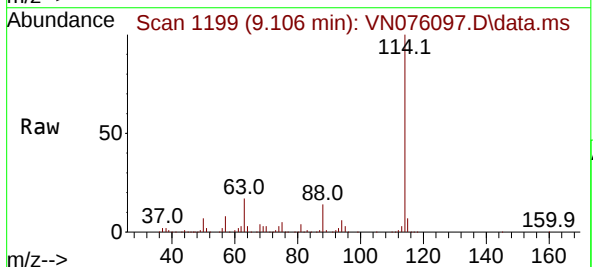
Tgt Ion: 114 Resp: 591177

Ion Ratio Lower Upper

114 100

63 17.3 0.0 34.4

88 14.0 0.0 28.8





#35

Dibromofluoromethane

Concen: 48.238 ug/l

RT: 8.177 min Scan# 1

Delta R.T. 0.006 min

Lab File: VN076097.D

Acq: 04 Jan 2023 21:31

Instrument :

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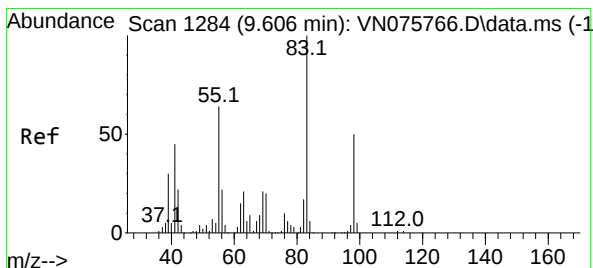
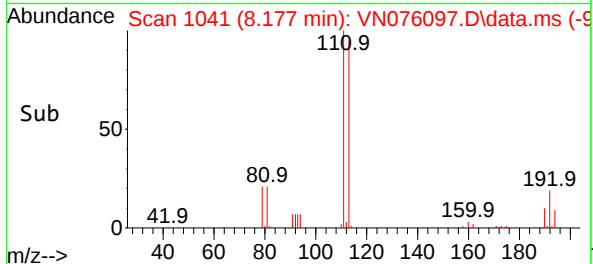
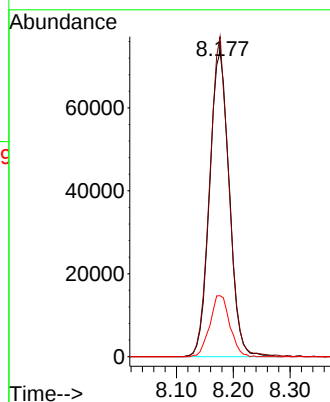
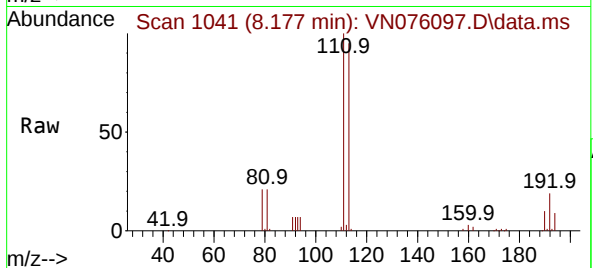
Tgt Ion:113 Resp: 176602

Ion Ratio Lower Upper

113 100

111 102.1 83.4 125.2

192 20.3 16.1 24.1



#39

Methylcyclohexane

Concen: 0.410 ug/l

RT: 9.612 min Scan# 1285

Delta R.T. 0.006 min

Lab File: VN076097.D

Acq: 04 Jan 2023 21:31

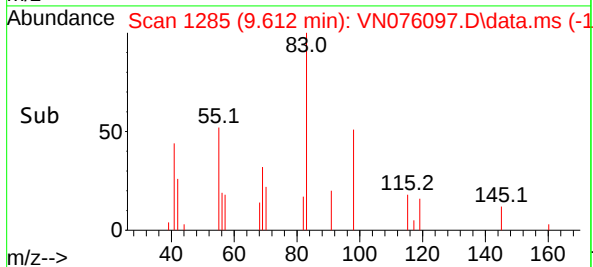
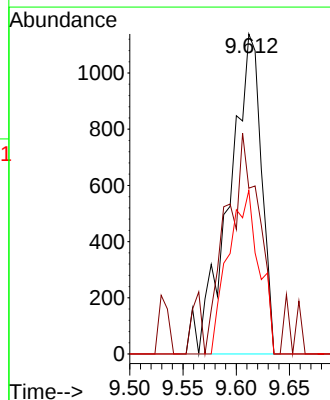
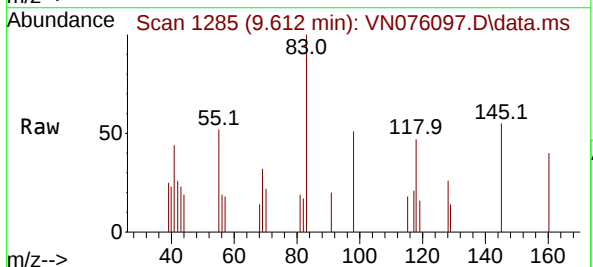
Tgt Ion: 83 Resp: 2405

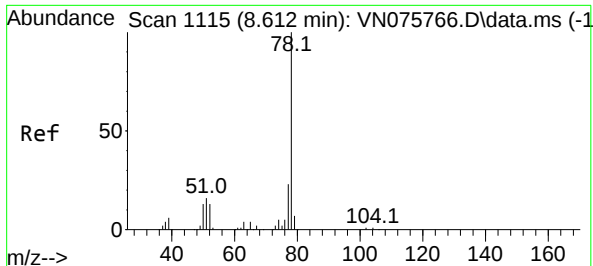
Ion Ratio Lower Upper

83 100

55 51.8 51.4 77.0

98 51.1 39.8 59.8

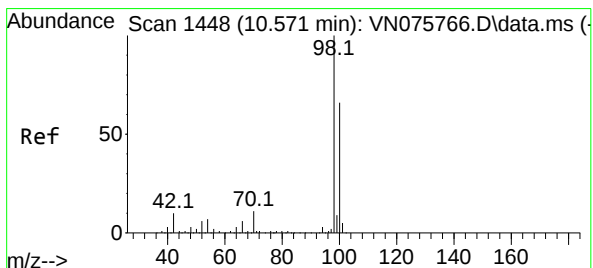
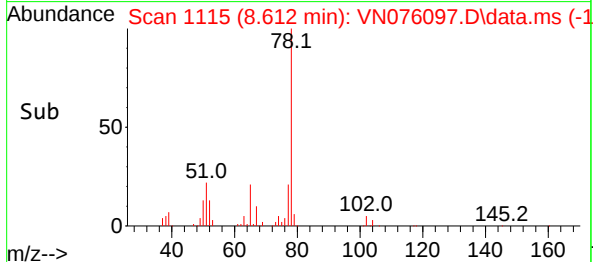
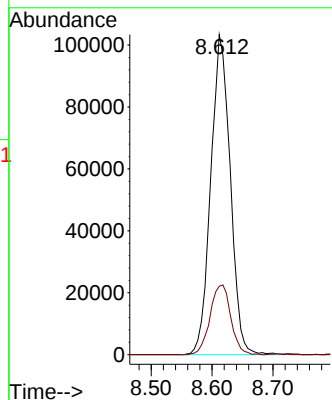
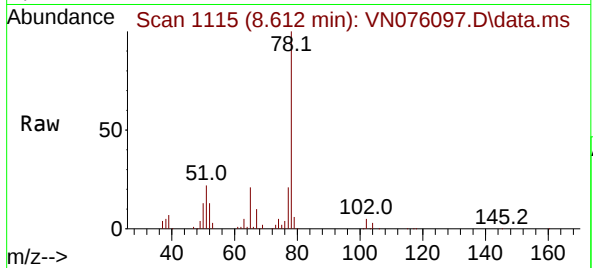




#40
Benzene
Concen: 15.331 ug/l
RT: 8.612 min Scan# 1115
Delta R.T. -0.000 min
Lab File: VN076097.D
Acq: 04 Jan 2023 21:31

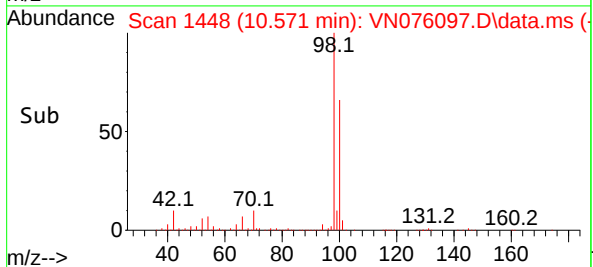
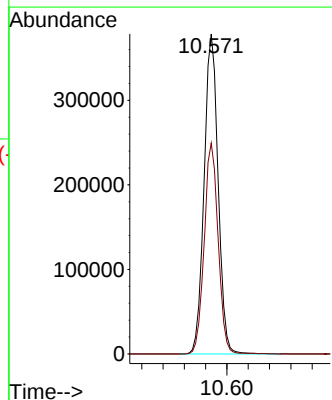
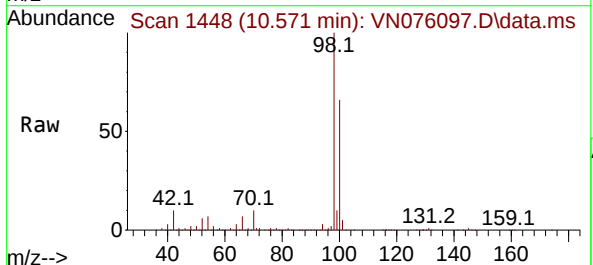
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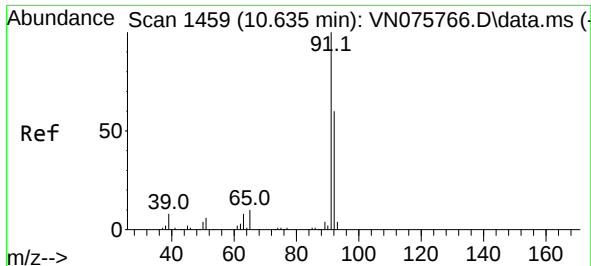
Tgt Ion: 78 Resp: 230039
Ion Ratio Lower Upper
78 100
77 21.4 18.5 27.7



#50
Toluene-d8
Concen: 50.351 ug/l
RT: 10.571 min Scan# 1448
Delta R.T. -0.000 min
Lab File: VN076097.D
Acq: 04 Jan 2023 21:31

Tgt Ion: 98 Resp: 689222
Ion Ratio Lower Upper
98 100
100 65.5 52.1 78.1

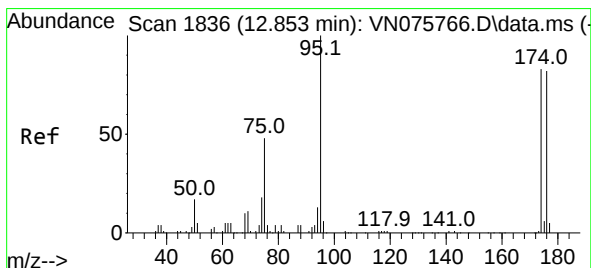
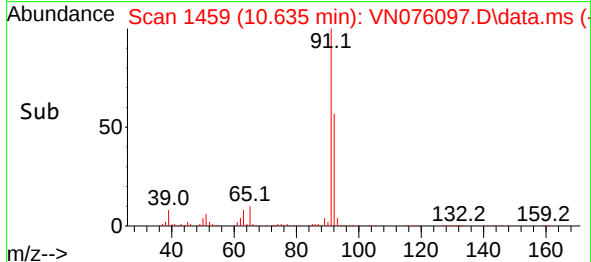
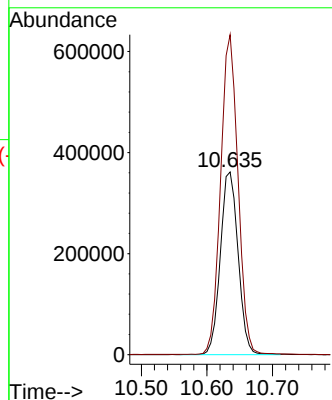
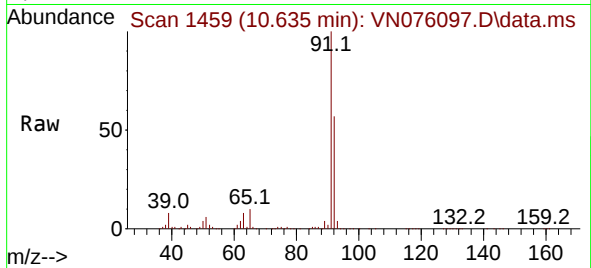




#52
Toluene
Concen: 69.360 ug/l
RT: 10.635 min Scan# 1459
Delta R.T. -0.000 min
Lab File: VN076097.D
Acq: 04 Jan 2023 21:31

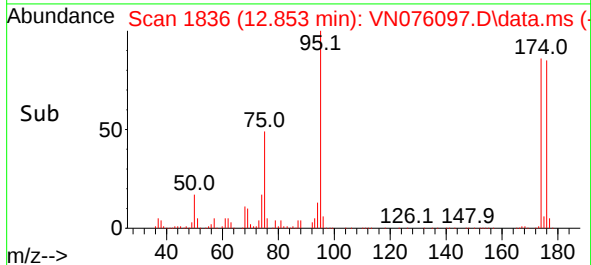
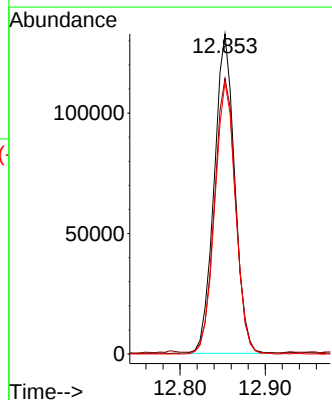
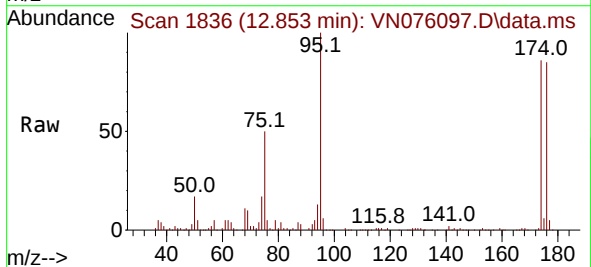
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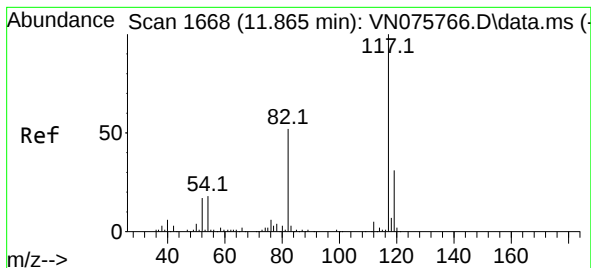
Tgt Ion: 92 Resp: 677826
Ion Ratio Lower Upper
92 100
91 172.3 137.3 205.9



#62
4-Bromofluorobenzene
Concen: 48.937 ug/l
RT: 12.853 min Scan# 1836
Delta R.T. -0.000 min
Lab File: VN076097.D
Acq: 04 Jan 2023 21:31

Tgt Ion: 95 Resp: 221867
Ion Ratio Lower Upper
95 100
174 87.8 0.0 171.6
176 86.0 0.0 169.2





#63

Chlorobenzene-d5

Concen: 50.000 ug/l

RT: 11.870 min Scan# 1

Delta R.T. 0.006 min

Lab File: VN076097.D

Acq: 04 Jan 2023 21:31

Instrument :

MSVOA_N

ClientSampleId :

33881

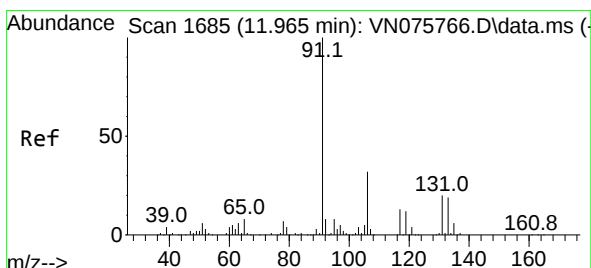
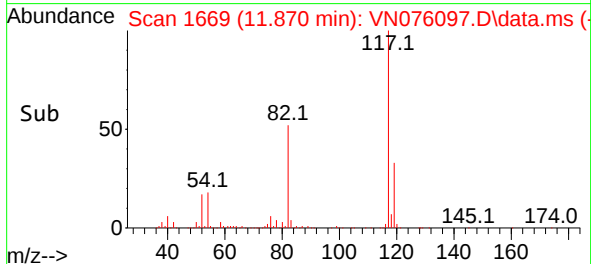
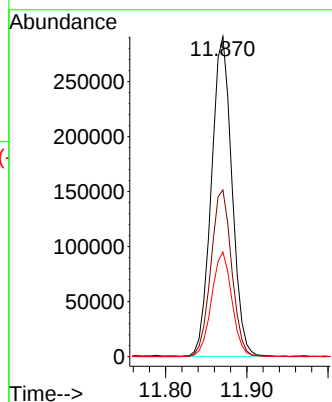
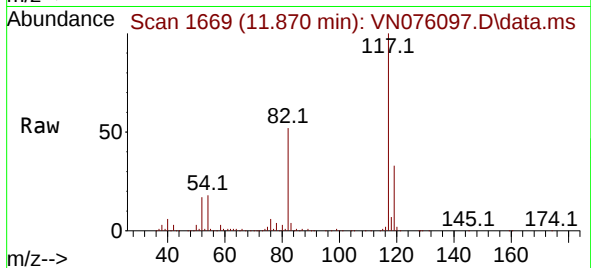
Tgt Ion:117 Resp: 510468

Ion Ratio Lower Upper

117 100

82 52.2 41.3 61.9

119 32.7 24.6 37.0



#67

Ethyl Benzene

Concen: 8.786 ug/l

RT: 11.965 min Scan# 1685

Delta R.T. -0.000 min

Lab File: VN076097.D

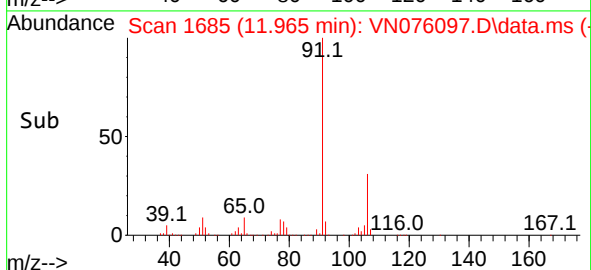
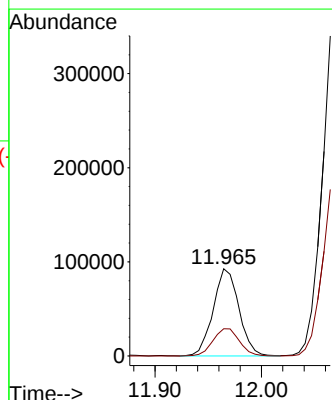
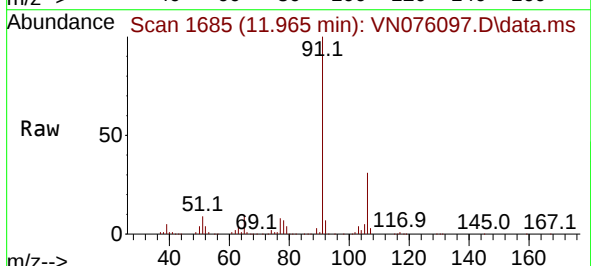
Acq: 04 Jan 2023 21:31

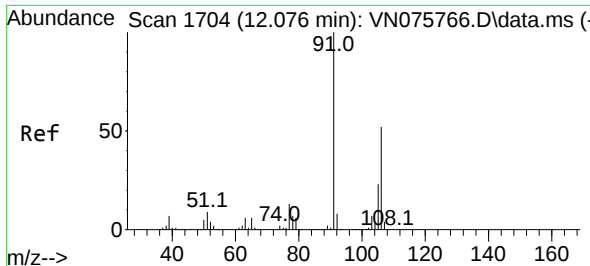
Tgt Ion: 91 Resp: 155361

Ion Ratio Lower Upper

91 100

106 31.2 25.7 38.5

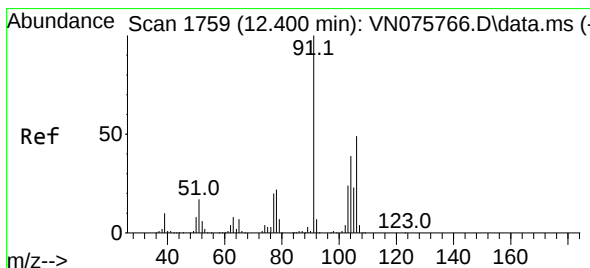
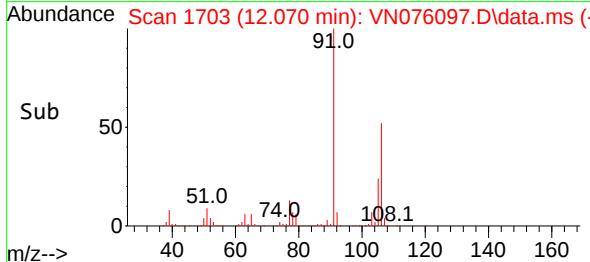
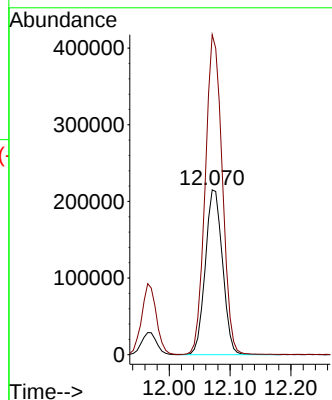
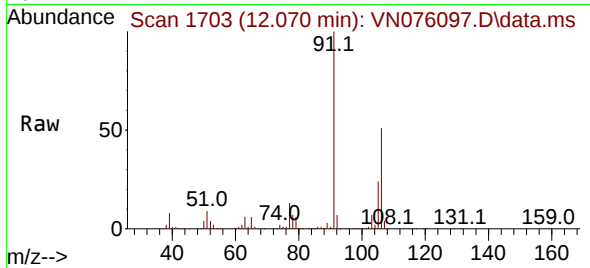




#68
m/p-Xylenes
Concen: 60.316 ug/l
RT: 12.070 min Scan# 1703
Delta R.T. -0.006 min
Lab File: VN076097.D
Acq: 04 Jan 2023 21:31

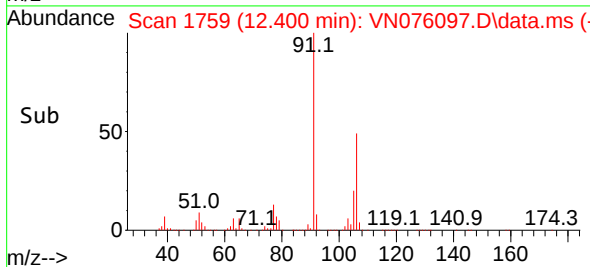
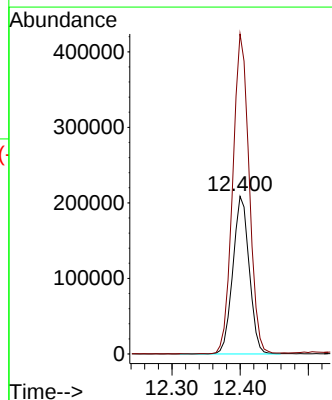
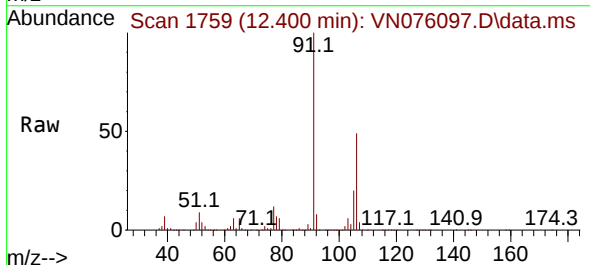
Instrument :
MSVOA_N
ClientSampleId :
33881

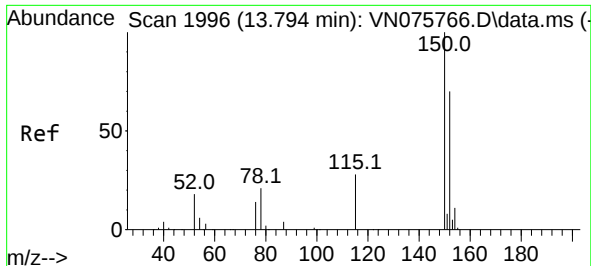
Tgt Ion:106 Resp: 422147
Ion Ratio Lower Upper
106 100
91 192.1 156.6 235.0



#69
o-Xylene
Concen: 50.330 ug/l
RT: 12.400 min Scan# 1759
Delta R.T. -0.000 min
Lab File: VN076097.D
Acq: 04 Jan 2023 21:31

Tgt Ion:106 Resp: 348595
Ion Ratio Lower Upper
106 100
91 204.3 103.8 311.6

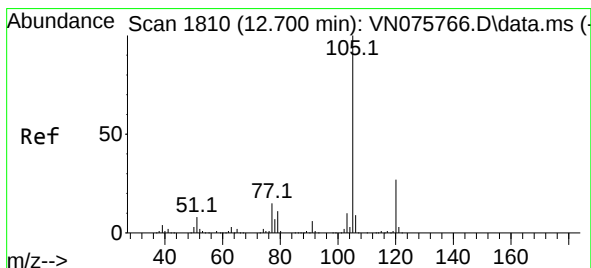
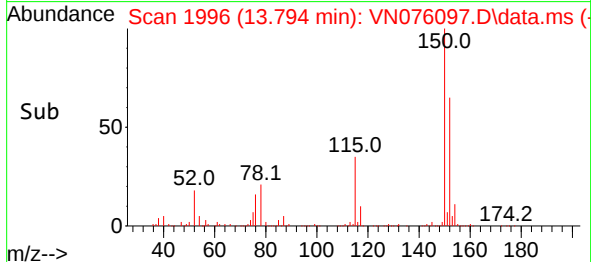
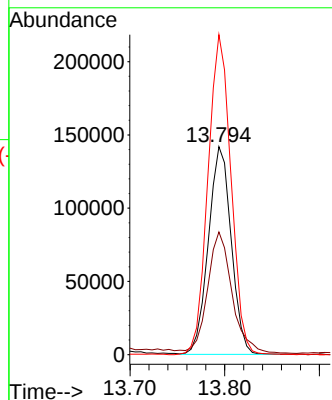
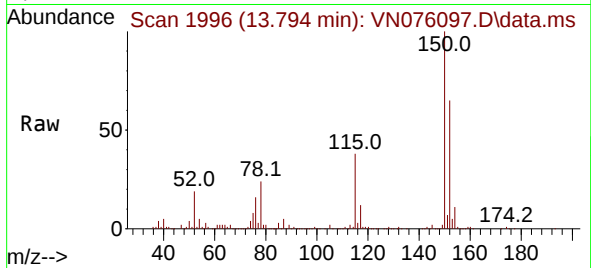




#72
1,4-Dichlorobenzene-d4
Concen: 50.000 ug/l
RT: 13.794 min Scan# 1996
Delta R.T. -0.000 min
Lab File: VN076097.D
Acq: 04 Jan 2023 21:31

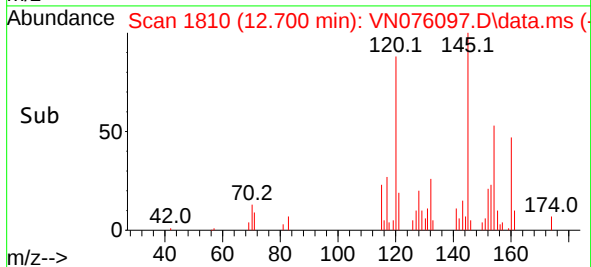
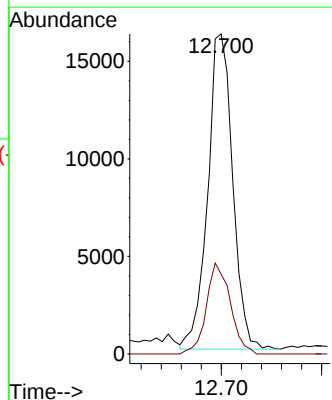
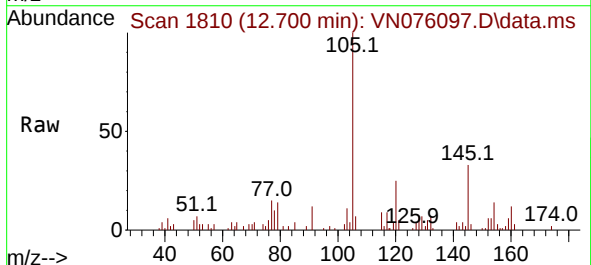
Instrument :
MSVOA_N
ClientSampleId :
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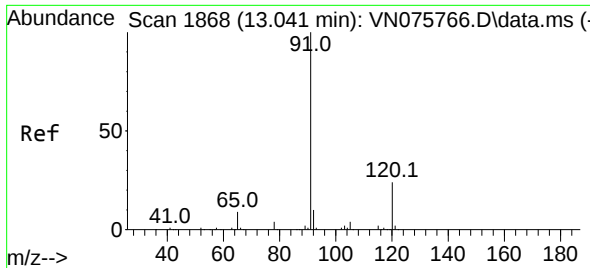
Tgt Ion:152 Resp: 237262
Ion Ratio Lower Upper
152 100
115 62.5 29.1 87.4
150 155.5 0.0 347.0



#73
Isopropylbenzene
Concen: 1.632 ug/l
RT: 12.700 min Scan# 1810
Delta R.T. -0.000 min
Lab File: VN076097.D
Acq: 04 Jan 2023 21:31

Tgt Ion:105 Resp: 27980
Ion Ratio Lower Upper
105 100
120 27.7 13.4 40.2

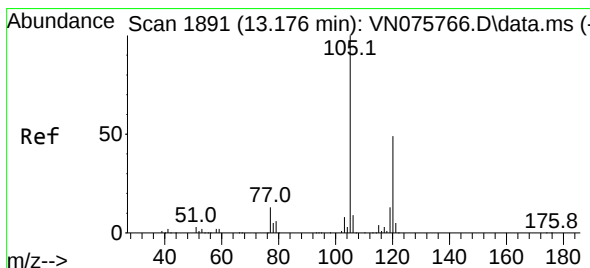
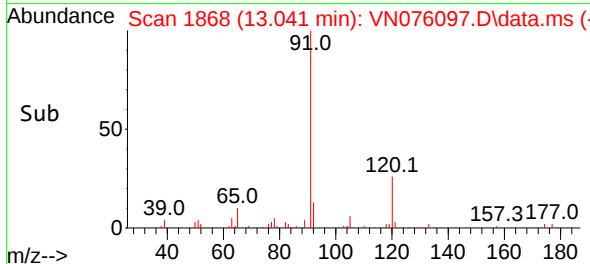
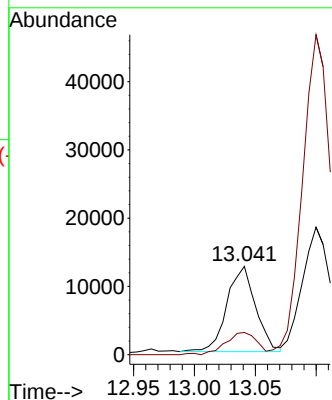
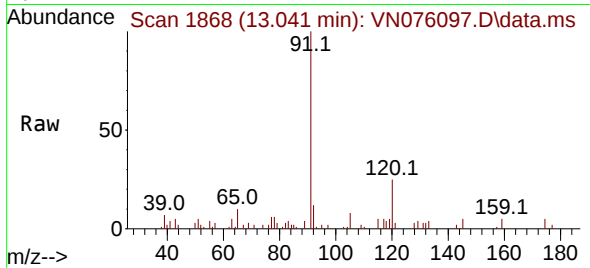




#78
 n-propylbenzene
 Concen: 1.085 ug/l
 RT: 13.041 min Scan# 1868
 Delta R.T. -0.000 min
 Lab File: VN076097.D
 Acq: 04 Jan 2023 21:31

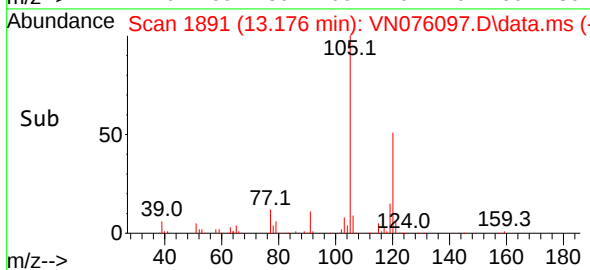
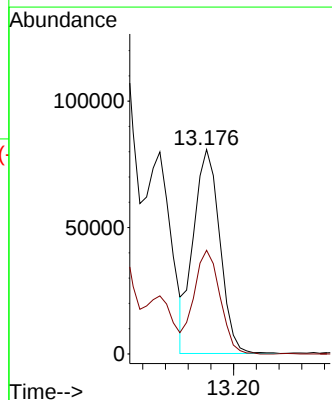
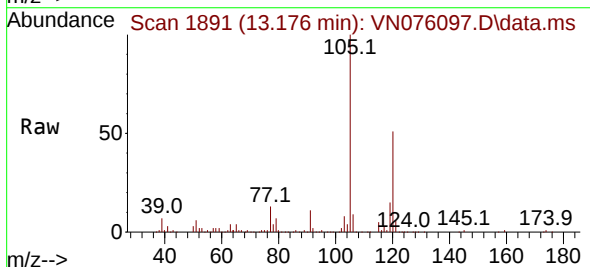
Instrument :
 MSVOA_N
 ClientSampleId :
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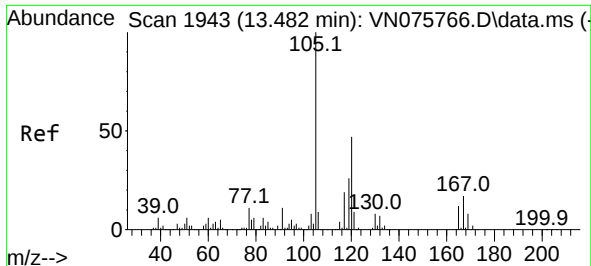
Tgt Ion: 91 Resp: 20516
 Ion Ratio Lower Upper
 91 100
 120 28.4 12.0 36.1



#80
 1,3,5-Trimethylbenzene
 Concen: 9.060 ug/l
 RT: 13.176 min Scan# 1891
 Delta R.T. -0.000 min
 Lab File: VN076097.D
 Acq: 04 Jan 2023 21:31

Tgt Ion: 105 Resp: 130014
 Ion Ratio Lower Upper
 105 100
 120 50.8 24.7 74.1

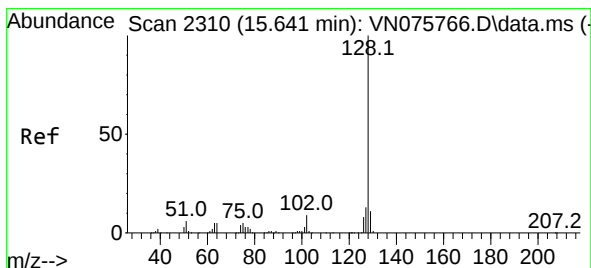
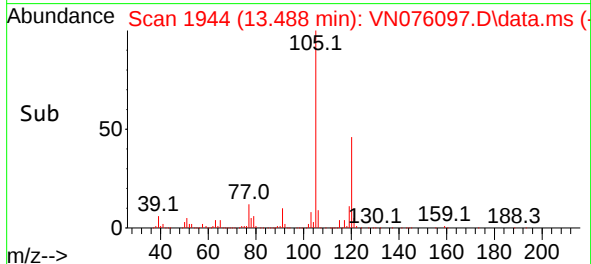
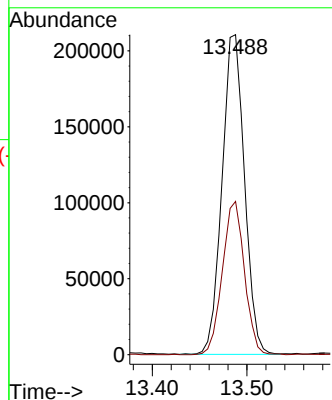
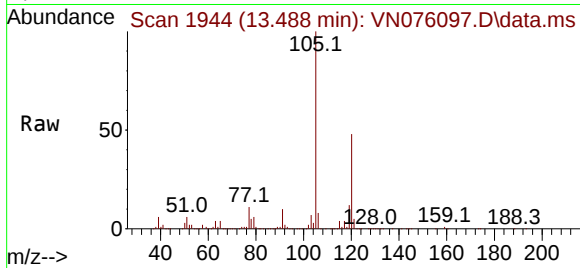




#84
1,2,4-Trimethylbenzene
Concen: 24.427 ug/l
RT: 13.488 min Scan# 1943
Delta R.T. 0.006 min
Lab File: VN076097.D
Acq: 04 Jan 2023 21:31

Instrument :
MSVOA_N
ClientSampleId :
33881

Tgt Ion:105 Resp: 347741
Ion Ratio Lower Upper
105 100
120 47.1 23.3 69.8



#95
Naphthalene
Concen: 7.919 ug/l
RT: 15.647 min Scan# 2311
Delta R.T. 0.006 min
Lab File: VN076097.D
Acq: 04 Jan 2023 21:31

Tgt Ion:128 Resp: 77511
Ion Ratio Lower Upper
128 100
127 13.0 10.4 15.6
129 13.1 8.7 13.1#

