

Data Path : Z:\voasrv\HPCHEM1\MSVOA_N\Data\VN011923\
 Data File : VN076318.D
 Acq On : 19 Jan 2023 13:19
 Operator : JC\MD
 Sample : 01221-01
 Misc : 5.0mL/MSVOA_N/WATER
 ALS Vial : 10 Sample Multiplier: 1

Instrument :
 MSVOA_N
 ClientSampleId :
 MW-10-0118

Quant Time: Jan 20 08:43:07 2023
 Quant Title :
 QLast Update : Tue Jan 17 03:59:22 2023
 Response via : Initial Calibration

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

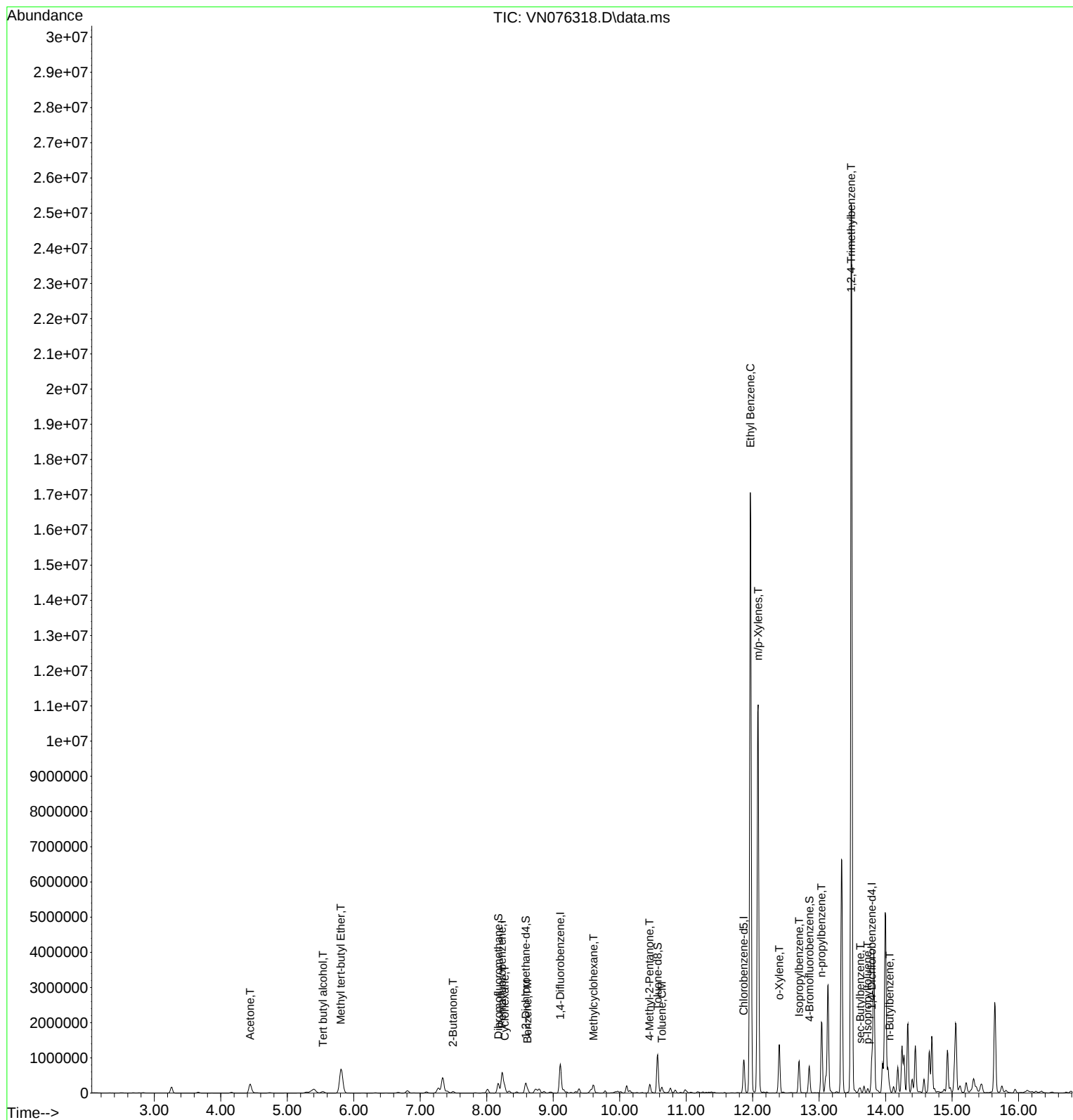
Internal Standards						
1) Pentafluorobenzene	8.230	168	420448	50.000	ug/l	0.00
34) 1,4-Difluorobenzene	9.106	114	651575	50.000	ug/l	0.00
63) Chlorobenzene-d5	11.865	117	570608	50.000	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.794	152	272553	50.000	ug/l	# 0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	8.588	65	215659	45.810	ug/l	0.00
Spiked Amount	50.000	Range	74 - 125	Recovery	=	91.620%
35) Dibromofluoromethane	8.177	113	193558	47.489	ug/l	0.00
Spiked Amount	50.000	Range	75 - 124	Recovery	=	94.980%
50) Toluene-d8	10.571	98	758427	50.385	ug/l	0.00
Spiked Amount	50.000	Range	86 - 113	Recovery	=	100.760%
62) 4-Bromofluorobenzene	12.853	95	253484	51.584	ug/l	0.00
Spiked Amount	50.000	Range	83 - 123	Recovery	=	103.160%
Target Compounds						
						Qvalue
11) Tert butyl alcohol	5.536	59	80650	128.080	ug/l	100
16) Acetone	4.442	43	465625	308.553	ug/l	99
19) Methyl tert-butyl Ether	5.806	73	1149160	87.653	ug/l	93
25) 2-Butanone	7.494	43	66846	29.001	ug/l	96
31) Cyclohexane	8.271	56	129326	17.883	ug/l	94
39) Methylcyclohexane	9.606	83	111523	15.768	ug/l	97
40) Benzene	8.612	78	92102	5.318	ug/l	96
51) 4-Methyl-2-Pentanone	10.447	43	39569	8.919	ug/l	98
52) Toluene	10.635	92	69455	5.997	ug/l	99
67) Ethyl Benzene	11.965	91	12383252	599.856	ug/l	97
68) m/p-Xylenes	12.082	106	3343067	403.857	ug/l	99
69) o-Xylene	12.400	106	395351	48.634	ug/l	100
73) Isopropylbenzene	12.700	105	632608	30.003	ug/l	99
78) n-propylbenzene	13.035	91	1659284	69.745	ug/l	100
84) 1,2,4-Trimethylbenzene	13.482	105	13770734	777.472	ug/l	96
85) sec-Butylbenzene	13.617	105	84620m	3.882	ug/l	
86) p-Isopropyltoluene	13.729	119	62449	3.484	ug/l	# 76
89) n-Butylbenzene	14.059	91	117737	8.274	ug/l	# 76

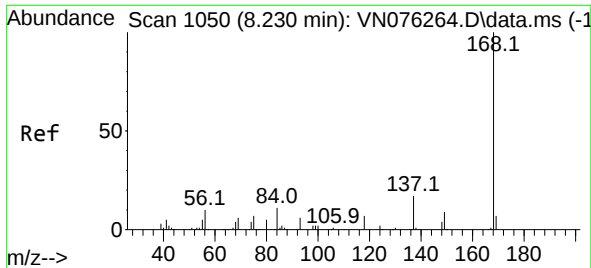
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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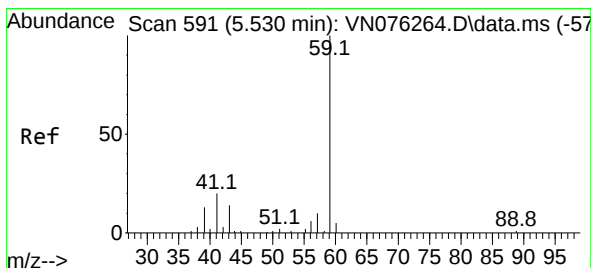
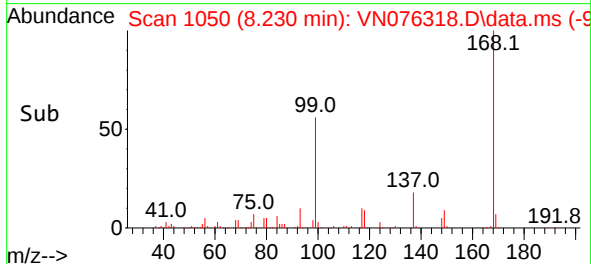
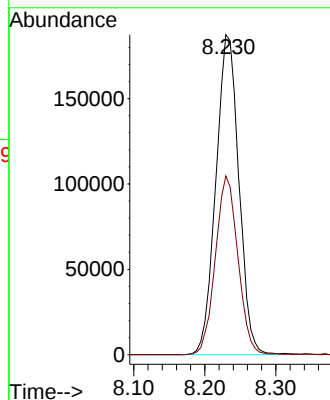
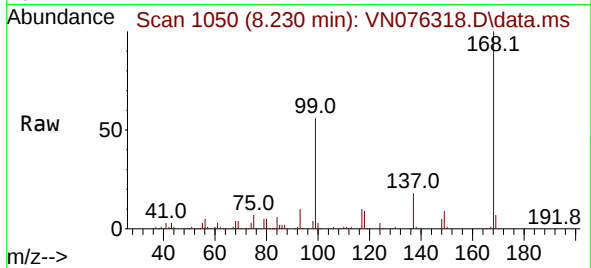




#1
Pentafluorobenzene
Concen: 50.000 ug/l
RT: 8.230 min Scan# 1050
Delta R.T. -0.000 min
Lab File: VN076318.D
Acq: 19 Jan 2023 13:19

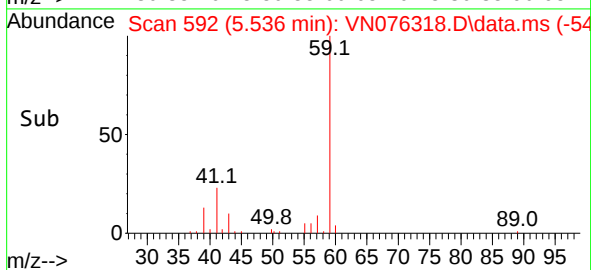
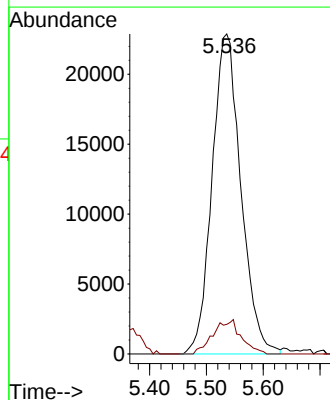
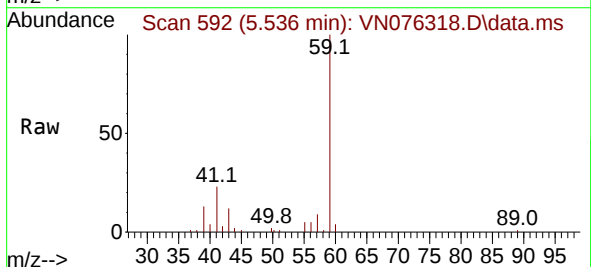
Instrument :
MSVOA_N
ClientSampleId :
MW-10-0118

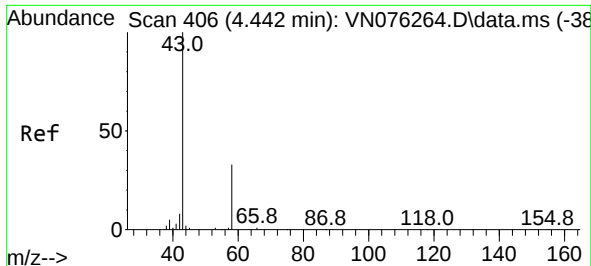
Tgt Ion:168 Resp: 420448
Ion Ratio Lower Upper
168 100
99 55.8 41.6 62.4



#11
Tert butyl alcohol
Concen: 128.080 ug/l
RT: 5.536 min Scan# 592
Delta R.T. 0.006 min
Lab File: VN076318.D
Acq: 19 Jan 2023 13:19

Tgt Ion: 59 Resp: 80650
Ion Ratio Lower Upper
59 100
57 10.4 8.5 12.7

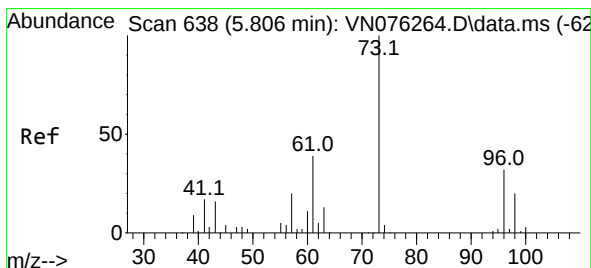
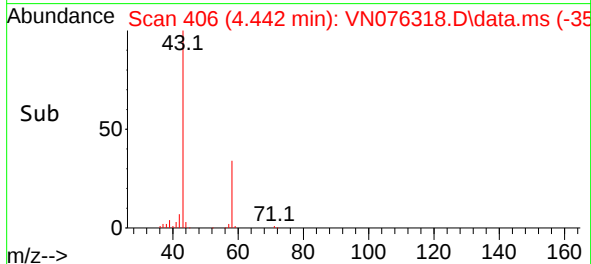
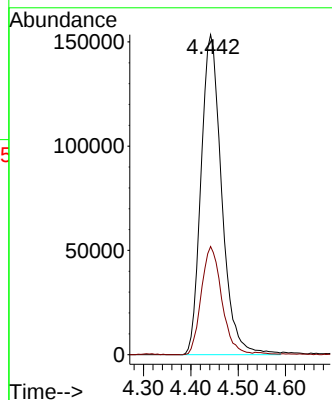
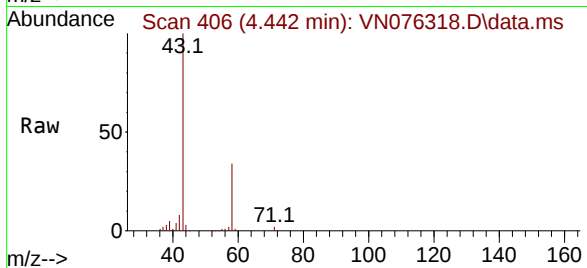




#16
Acetone
Concen: 308.553 ug/l
RT: 4.442 min Scan# 406
Delta R.T. -0.000 min
Lab File: VN076318.D
Acq: 19 Jan 2023 13:19

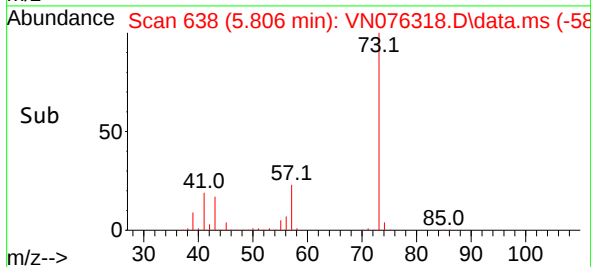
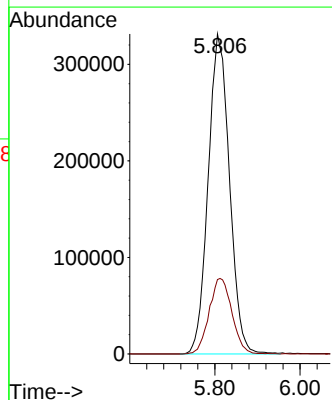
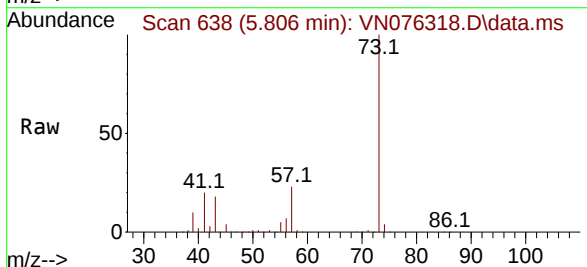
Instrument :
MSVOA_N
ClientSampleId :
MW-10-0118

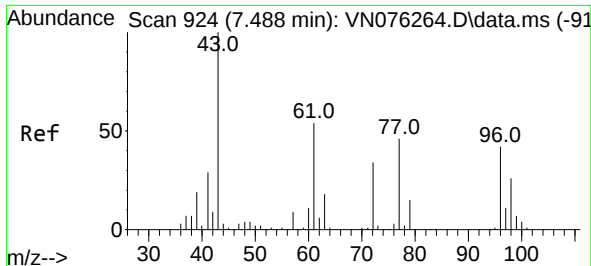
Tgt Ion: 43 Resp: 465625
Ion Ratio Lower Upper
43 100
58 33.8 26.7 40.1



#19
Methyl tert-butyl Ether
Concen: 87.653 ug/l
RT: 5.806 min Scan# 638
Delta R.T. 0.000 min
Lab File: VN076318.D
Acq: 19 Jan 2023 13:19

Tgt Ion: 73 Resp: 1149160
Ion Ratio Lower Upper
73 100
57 23.3 15.9 23.9

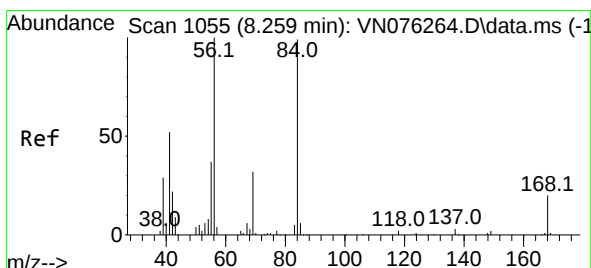
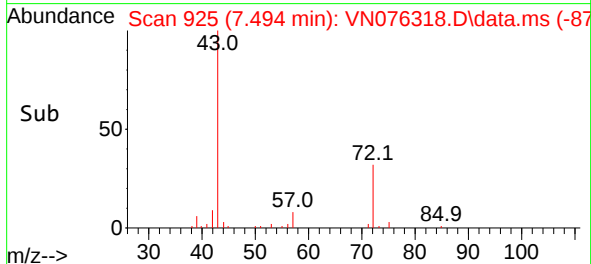
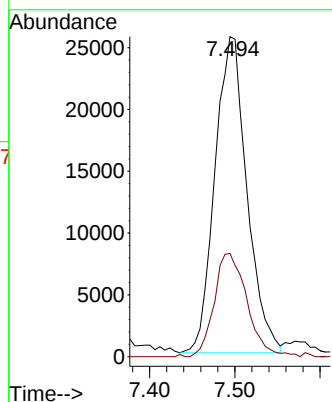
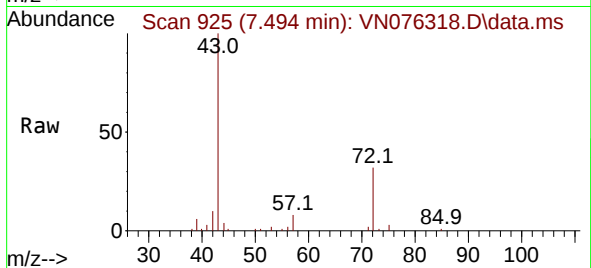




#25
2-Butanone
Concen: 29.001 ug/l
RT: 7.494 min Scan# 91
Delta R.T. 0.006 min
Lab File: VN076318.D
Acq: 19 Jan 2023 13:19

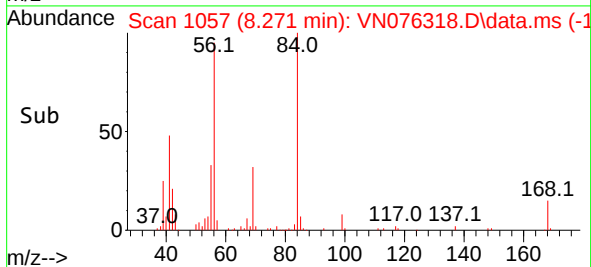
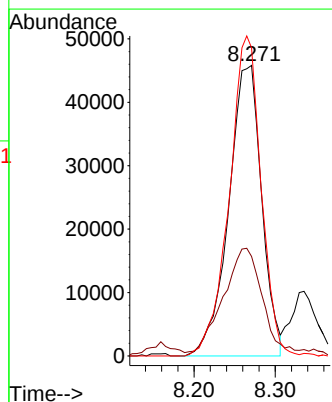
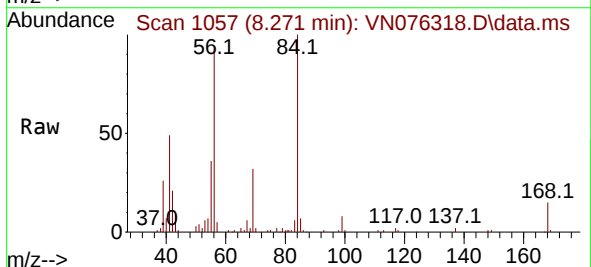
Instrument :
MSVOA_N
ClientSampleId :
MW-10-0118

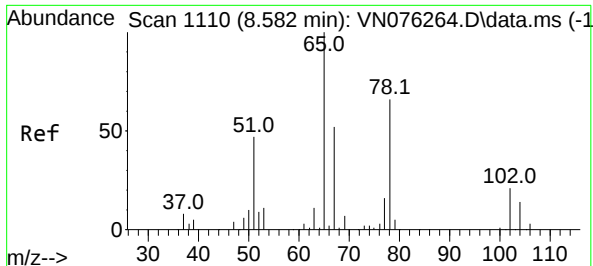
Tgt Ion: 43 Resp: 66846
Ion Ratio Lower Upper
43 100
72 31.9 27.4 41.2



#31
Cyclohexane
Concen: 17.883 ug/l
RT: 8.271 min Scan# 1057
Delta R.T. 0.012 min
Lab File: VN076318.D
Acq: 19 Jan 2023 13:19

Tgt Ion: 56 Resp: 129326
Ion Ratio Lower Upper
56 100
69 32.2 25.8 38.8
84 106.1 79.0 118.4





#33

1,2-Dichloroethane-d4

Concen: 45.810 ug/l

RT: 8.588 min Scan# 1111

Delta R.T. 0.006 min

Lab File: VN076318.D

Acq: 19 Jan 2023 13:19

Instrument :

MSVOA_N

ClientSampleId :

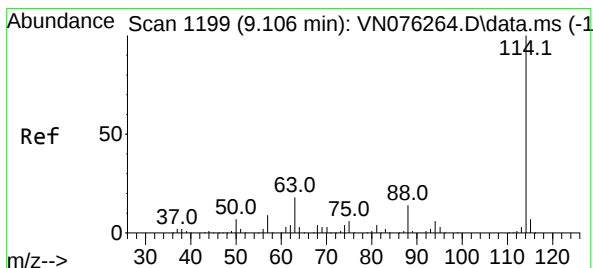
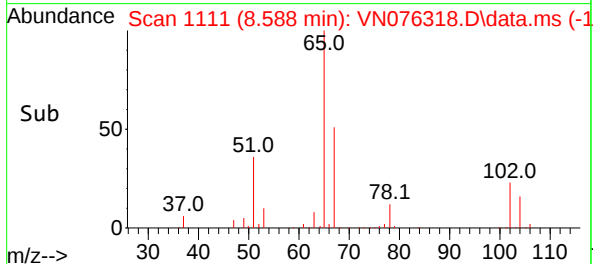
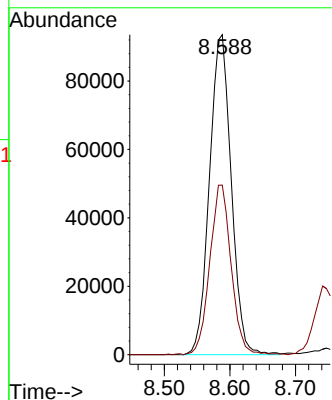
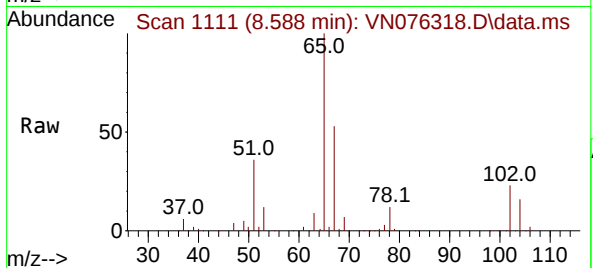
MW-10-0118

Tgt Ion: 65 Resp: 215659

Ion Ratio Lower Upper

65 100

67 52.1 0.0 104.6



#34

1,4-Difluorobenzene

Concen: 50.000 ug/l

RT: 9.106 min Scan# 1199

Delta R.T. -0.000 min

Lab File: VN076318.D

Acq: 19 Jan 2023 13:19

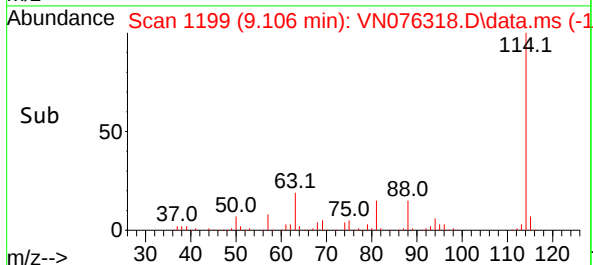
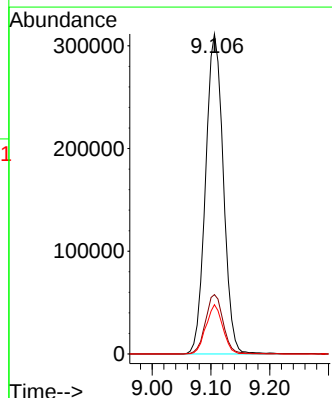
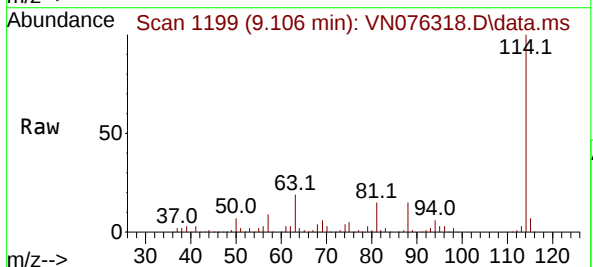
Tgt Ion: 114 Resp: 651575

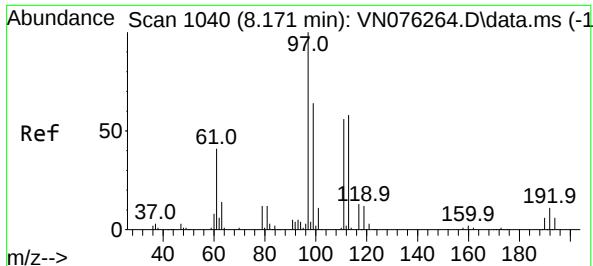
Ion Ratio Lower Upper

114 100

63 18.6 0.0 35.8

88 15.4 0.0 28.0





#35

Dibromofluoromethane

Concen: 47.489 ug/l

RT: 8.177 min Scan# 1040

Delta R.T. 0.006 min

Lab File: VN076318.D

Acq: 19 Jan 2023 13:19

Instrument :

MSVOA_N

ClientSampleId :

MW-10-0118

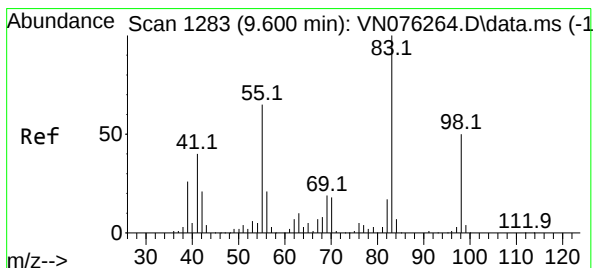
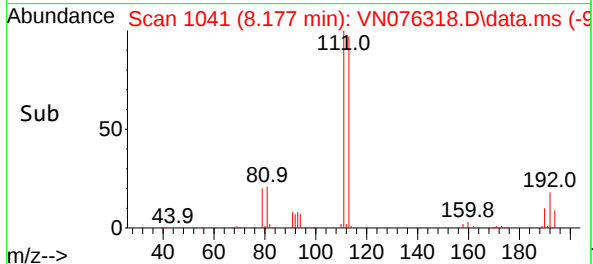
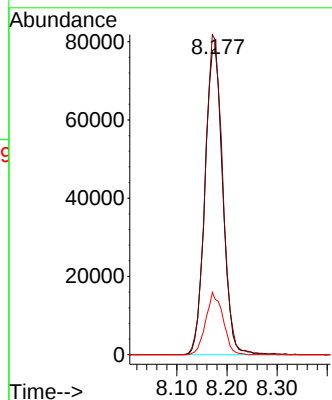
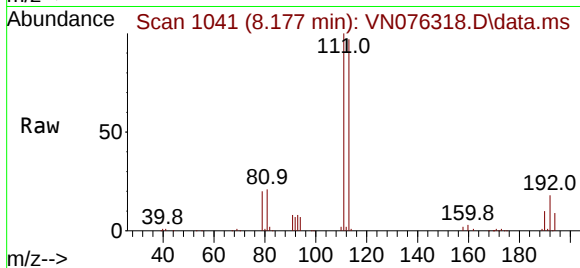
Tgt Ion:113 Resp: 193558

Ion Ratio Lower Upper

113 100

111 102.6 82.7 124.1

192 19.7 15.6 23.4



#39

Methylcyclohexane

Concen: 15.768 ug/l

RT: 9.606 min Scan# 1284

Delta R.T. 0.006 min

Lab File: VN076318.D

Acq: 19 Jan 2023 13:19

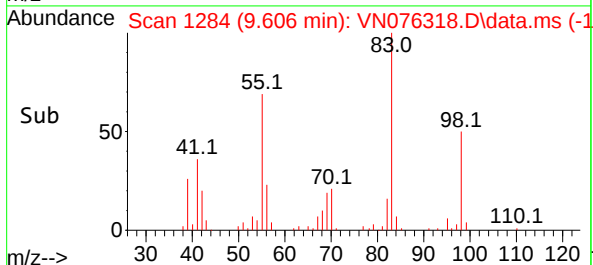
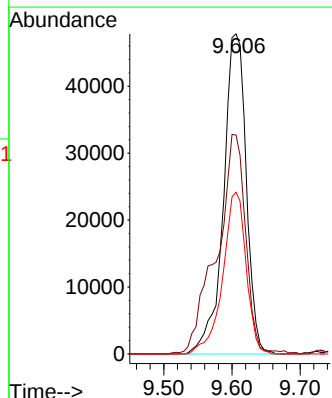
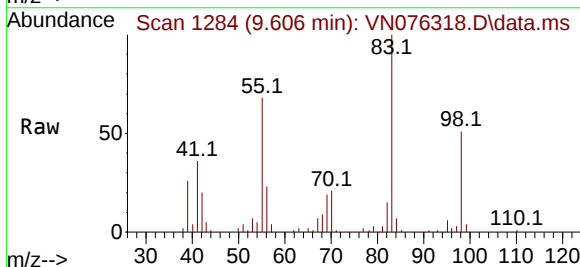
Tgt Ion: 83 Resp: 111523

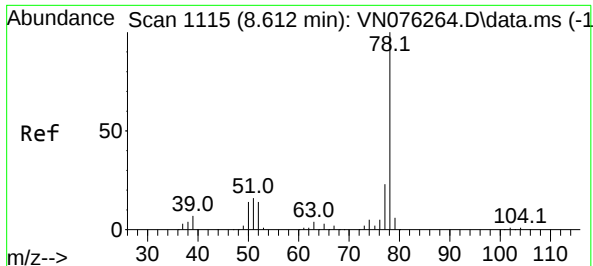
Ion Ratio Lower Upper

83 100

55 68.0 51.7 77.5

98 50.6 40.0 60.0

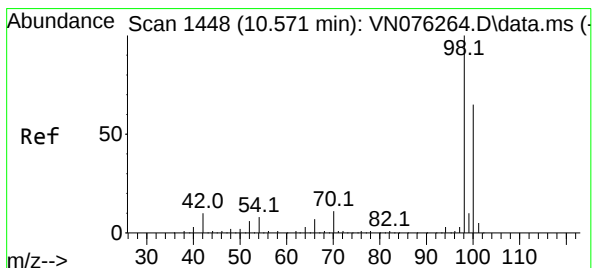
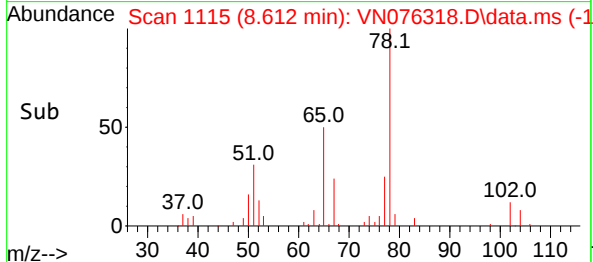
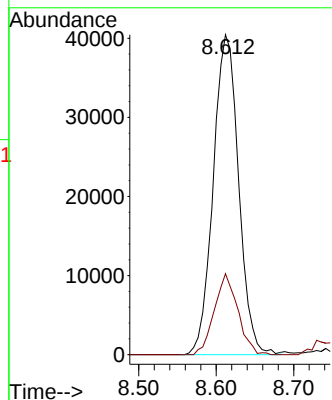
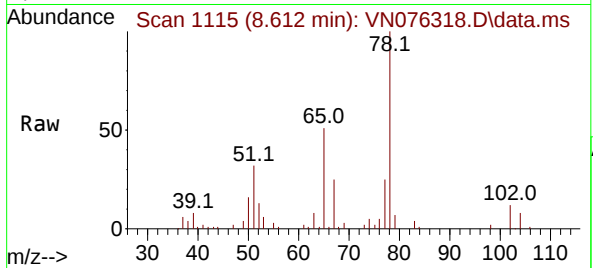




#40
Benzene
Concen: 5.318 ug/l
RT: 8.612 min Scan# 1115
Delta R.T. -0.000 min
Lab File: VN076318.D
Acq: 19 Jan 2023 13:19

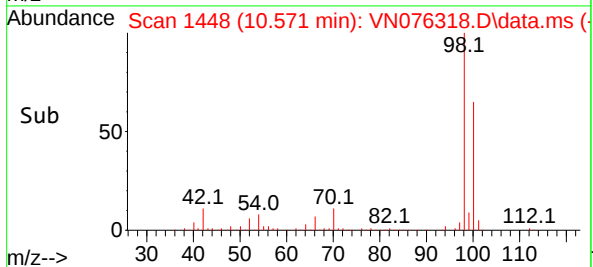
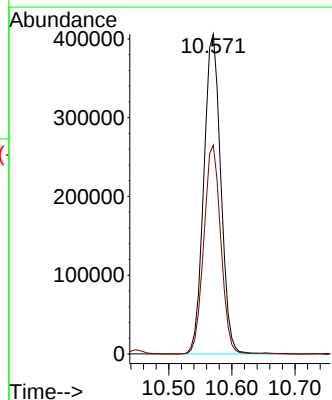
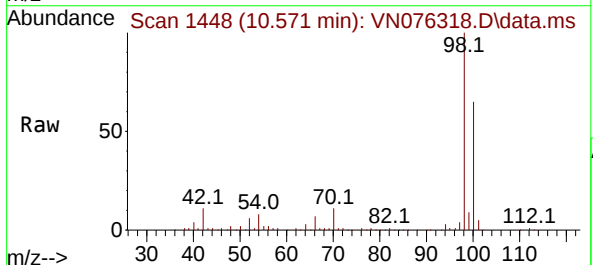
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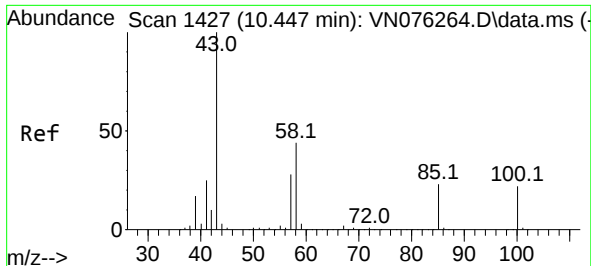
Tgt Ion: 78 Resp: 92102
Ion Ratio Lower Upper
78 100
77 25.3 18.6 28.0



#50
Toluene-d8
Concen: 50.385 ug/l
RT: 10.571 min Scan# 1448
Delta R.T. -0.000 min
Lab File: VN076318.D
Acq: 19 Jan 2023 13:19

Tgt Ion: 98 Resp: 758427
Ion Ratio Lower Upper
98 100
100 65.0 52.2 78.4

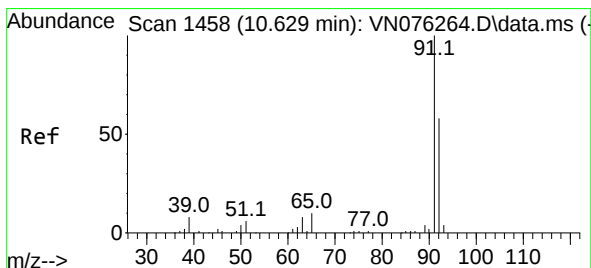
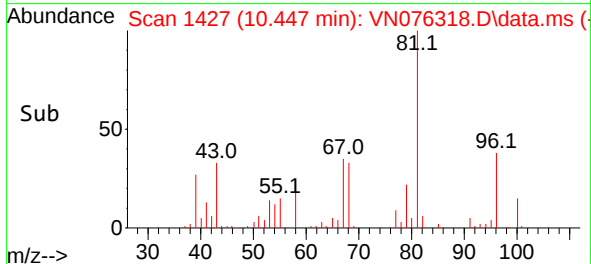
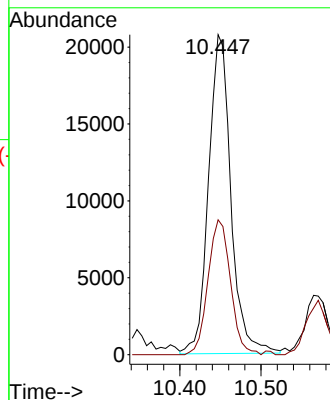
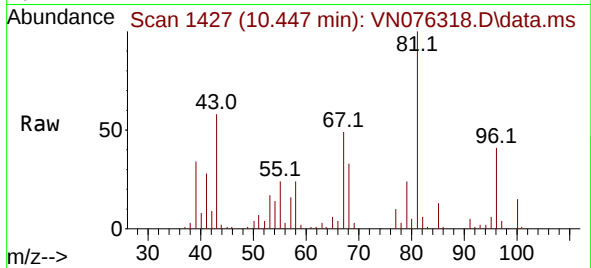




#51
4-Methyl-2-Pentanone
Concen: 8.919 ug/l
RT: 10.447 min Scan# 1427
Delta R.T. 0.000 min
Lab File: VN076318.D
Acq: 19 Jan 2023 13:19

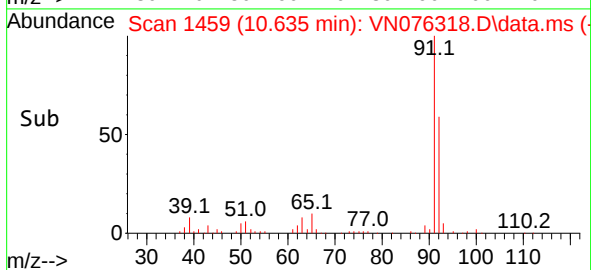
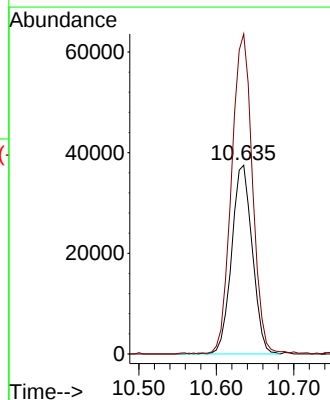
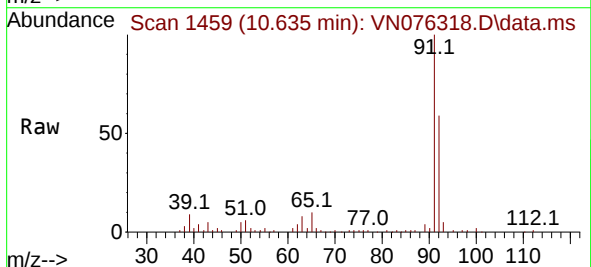
Instrument :
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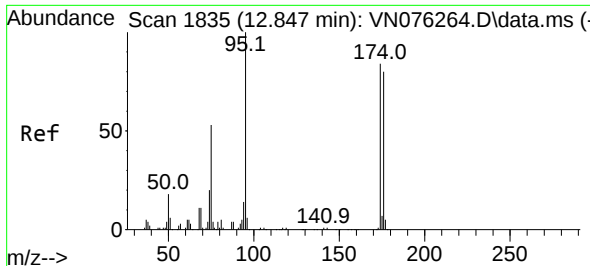
Tgt Ion: 43 Resp: 39569
Ion Ratio Lower Upper
43 100
58 42.6 35.1 52.7



#52
Toluene
Concen: 5.997 ug/l
RT: 10.635 min Scan# 1459
Delta R.T. 0.006 min
Lab File: VN076318.D
Acq: 19 Jan 2023 13:19

Tgt Ion: 92 Resp: 69455
Ion Ratio Lower Upper
92 100
91 172.5 136.6 205.0

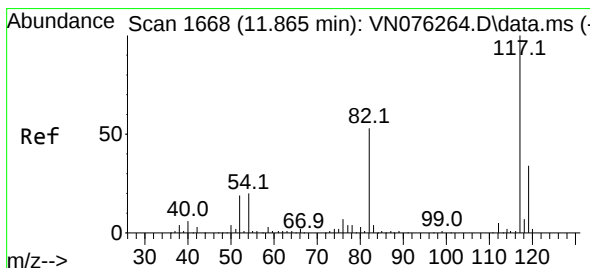
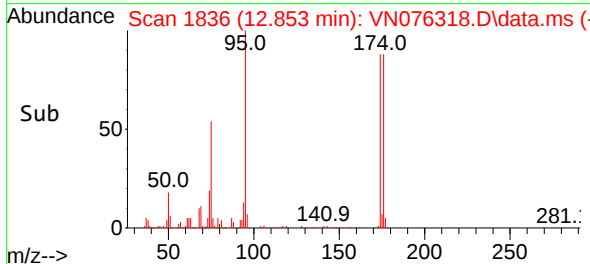
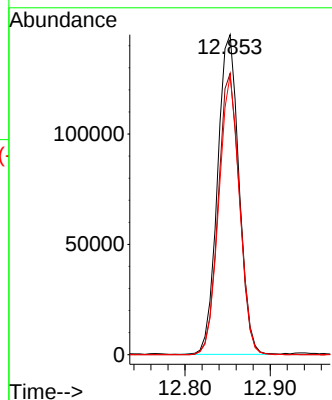
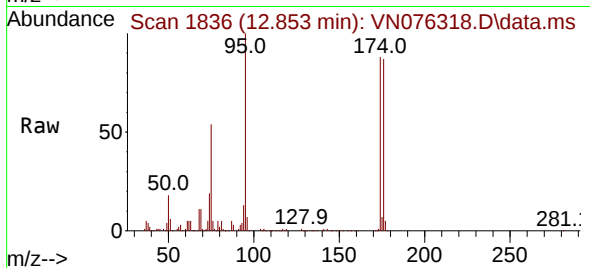




#62
4-Bromofluorobenzene
Concen: 51.584 ug/l
RT: 12.853 min Scan# 1836
Delta R.T. 0.006 min
Lab File: VN076318.D
Acq: 19 Jan 2023 13:19

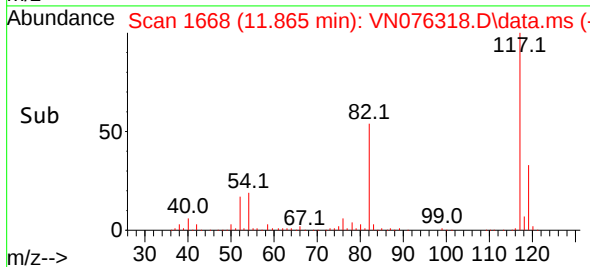
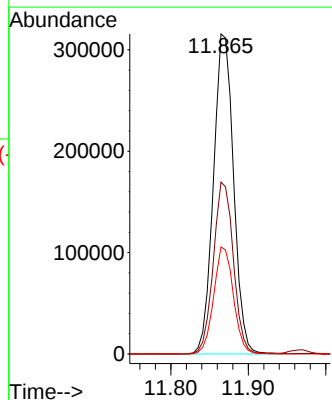
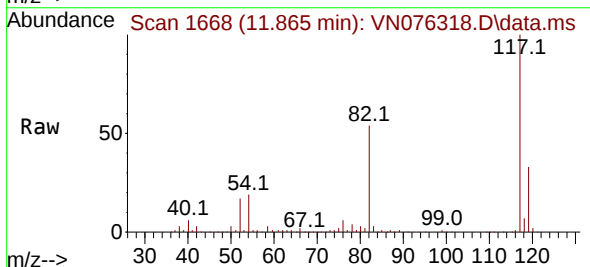
Instrument :
MSVOA_N
ClientSampleId :
MW-10-0118

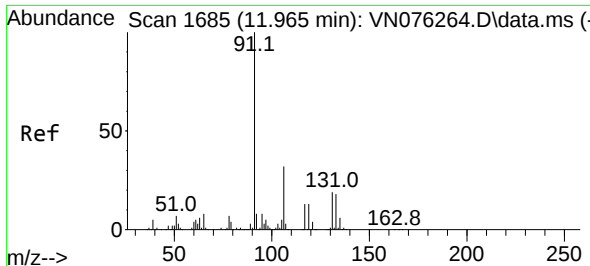
Tgt Ion: 95 Resp: 253484
Ion Ratio Lower Upper
95 100
174 86.5 0.0 174.6
176 84.1 0.0 167.8



#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 11.865 min Scan# 1668
Delta R.T. -0.000 min
Lab File: VN076318.D
Acq: 19 Jan 2023 13:19

Tgt Ion: 117 Resp: 570608
Ion Ratio Lower Upper
117 100
82 53.7 42.2 63.2
119 33.4 26.9 40.3

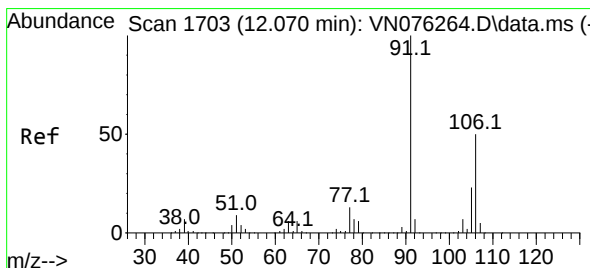
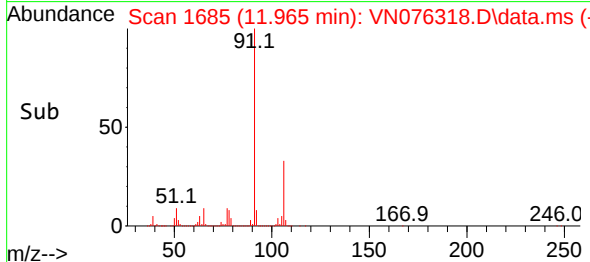
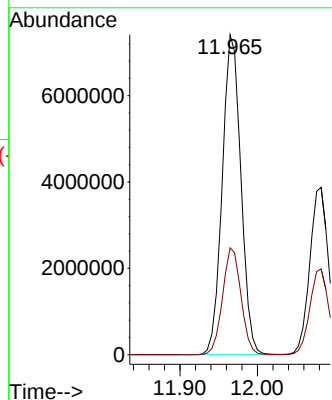
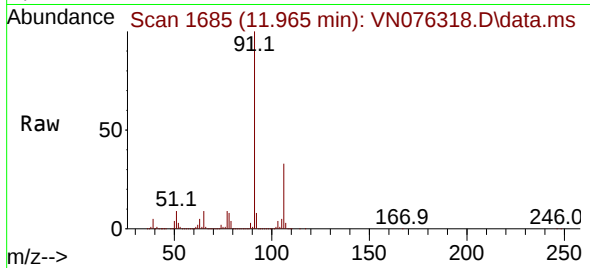




#67
Ethyl Benzene
Concen: 599.856 ug/l
RT: 11.965 min Scan# 1685
Delta R.T. -0.000 min
Lab File: VN076318.D
Acq: 19 Jan 2023 13:19

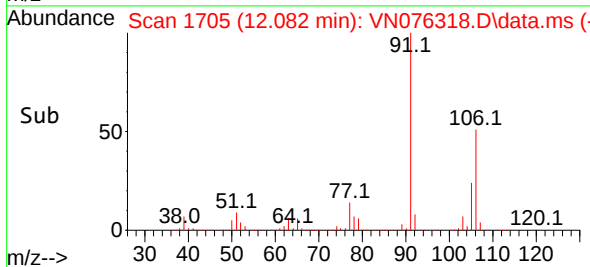
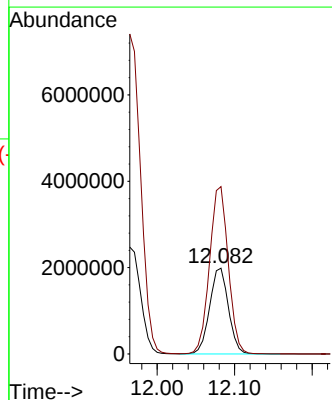
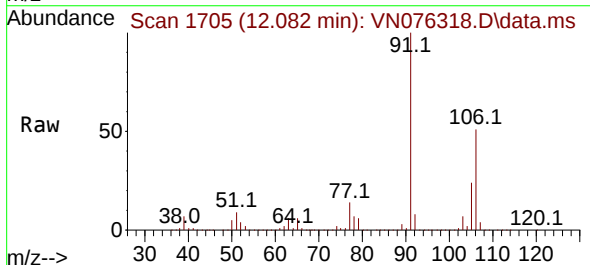
Instrument :
MSVOA_N
ClientSampleId :
MW-10-0118

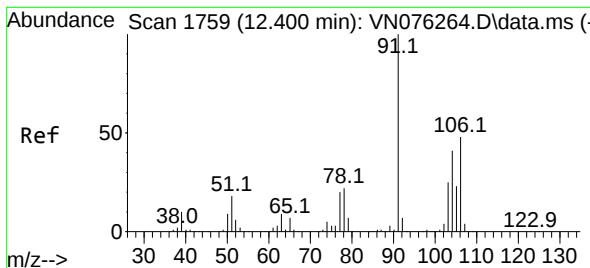
Tgt Ion: 91 Resp:12383252
Ion Ratio Lower Upper
91 100
106 33.4 25.5 38.3



#68
m/p-Xylenes
Concen: 403.857 ug/l
RT: 12.082 min Scan# 1705
Delta R.T. 0.012 min
Lab File: VN076318.D
Acq: 19 Jan 2023 13:19

Tgt Ion:106 Resp: 3343067
Ion Ratio Lower Upper
106 100
91 195.3 157.5 236.3





#69

o-Xylene

Concen: 48.634 ug/l

RT: 12.400 min Scan# 1

Delta R.T. -0.000 min

Lab File: VN076318.D

Acq: 19 Jan 2023 13:19

Instrument :

MSVOA_N

ClientSampleId :

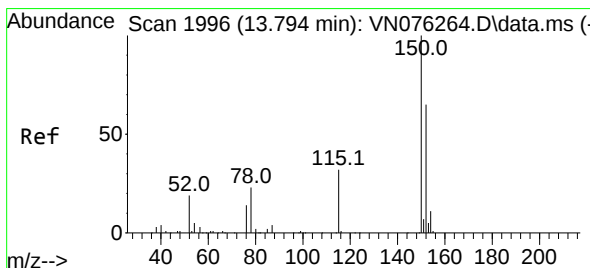
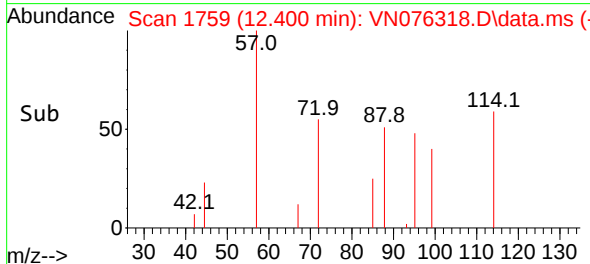
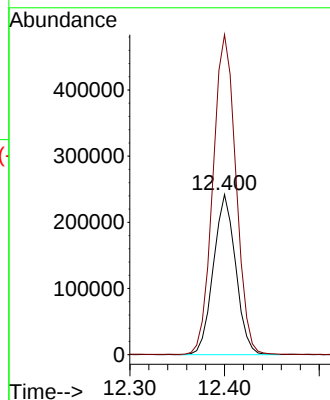
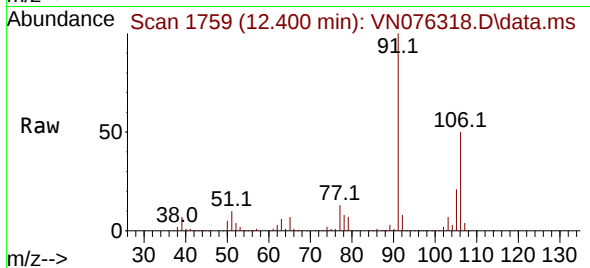
MW-10-0118

Tgt Ion:106 Resp: 395351

Ion Ratio Lower Upper

106 100

91 206.4 103.2 309.4



#72

1,4-Dichlorobenzene-d4

Concen: 50.000 ug/l

RT: 13.794 min Scan# 1996

Delta R.T. -0.000 min

Lab File: VN076318.D

Acq: 19 Jan 2023 13:19

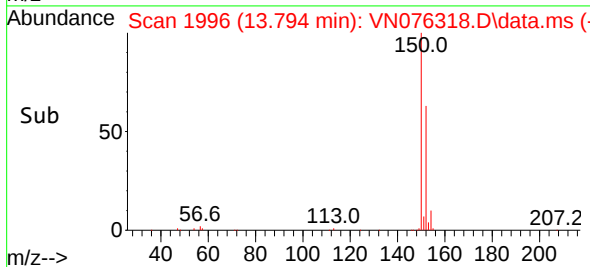
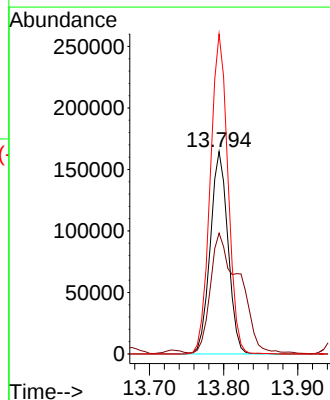
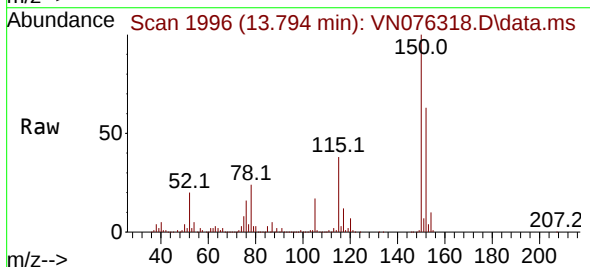
Tgt Ion:152 Resp: 272553

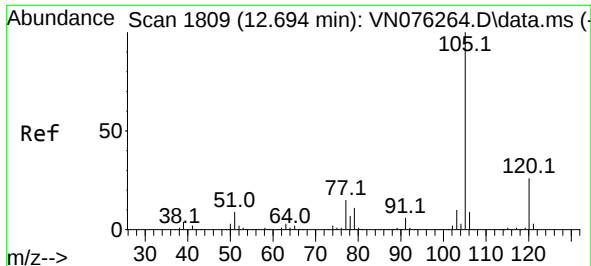
Ion Ratio Lower Upper

152 100

115 98.2 29.6 88.9#

150 158.1 0.0 351.4

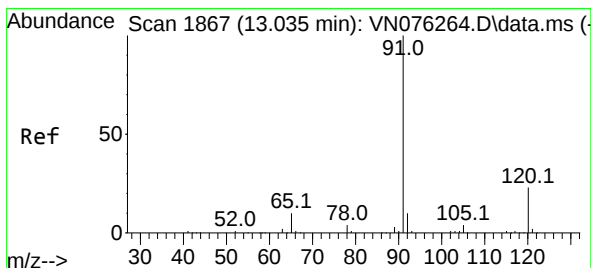
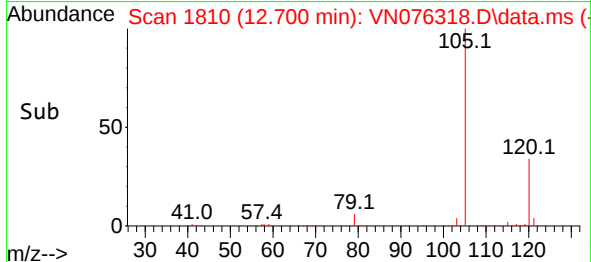
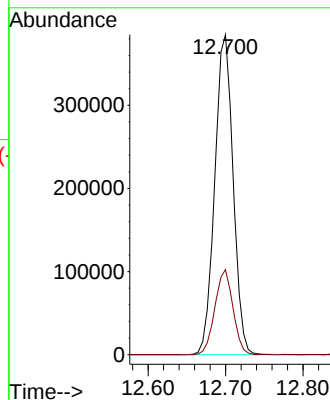
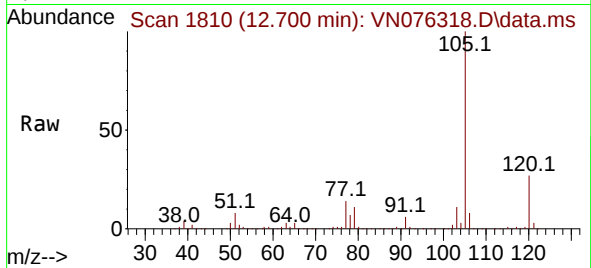




#73
Isopropylbenzene
Concen: 30.003 ug/l
RT: 12.700 min Scan# 1810
Delta R.T. 0.006 min
Lab File: VN076318.D
Acq: 19 Jan 2023 13:19

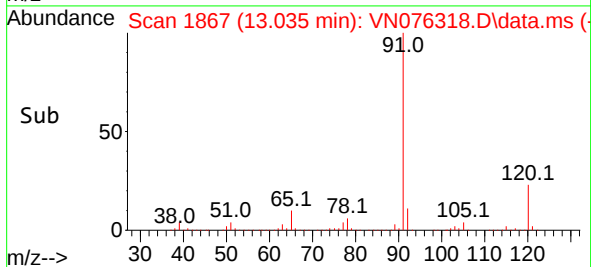
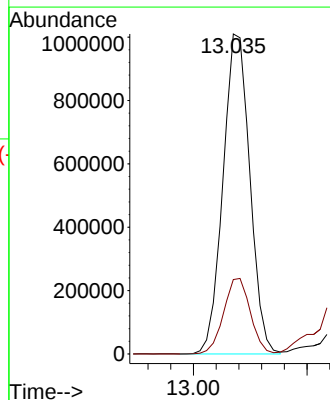
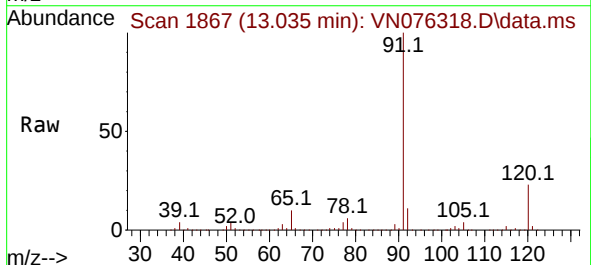
Instrument :
MSVOA_N
ClientSampleId :
MW-10-0118

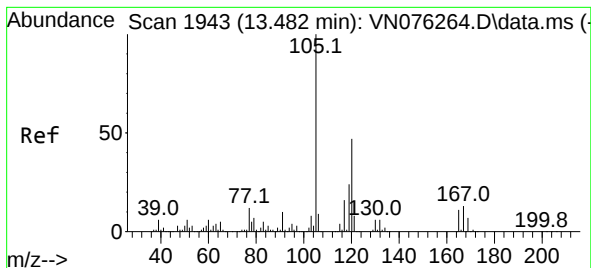
Tgt Ion:105 Resp: 632608
Ion Ratio Lower Upper
105 100
120 26.2 13.4 40.1



#78
n-propylbenzene
Concen: 69.745 ug/l
RT: 13.035 min Scan# 1867
Delta R.T. 0.000 min
Lab File: VN076318.D
Acq: 19 Jan 2023 13:19

Tgt Ion: 91 Resp: 1659284
Ion Ratio Lower Upper
91 100
120 23.5 11.9 35.5





#84

1,2,4-Trimethylbenzene

Concen: 777.472 ug/l

RT: 13.482 min Scan# 1943

Delta R.T. 0.000 min

Lab File: VN076318.D

Acq: 19 Jan 2023 13:19

Instrument :

MSVOA_N

ClientSampleId :

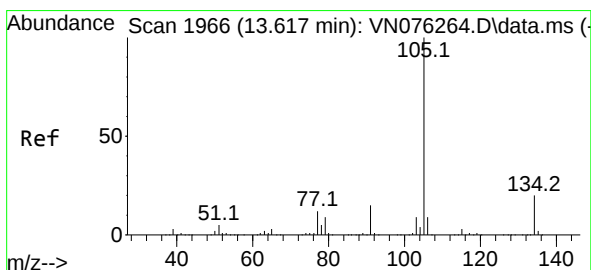
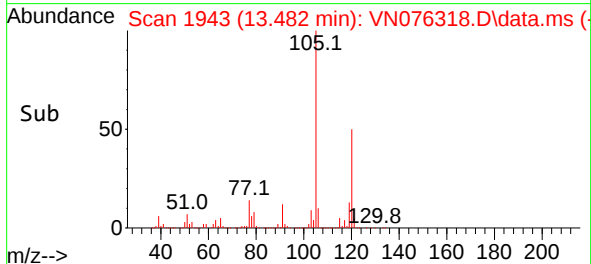
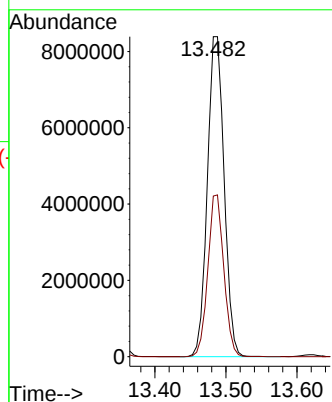
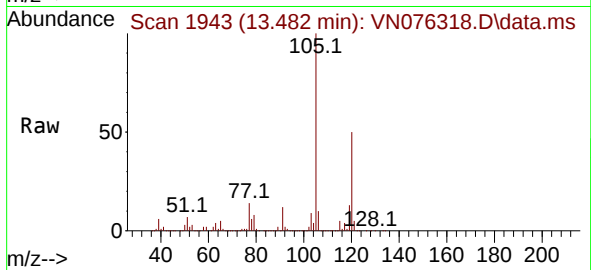
MW-10-0118

Tgt Ion:105 Resp:13770734

Ion Ratio Lower Upper

105 100

120 48.2 22.9 68.5



#85

sec-Butylbenzene

Concen: 3.882 ug/l m

RT: 13.617 min Scan# 1966

Delta R.T. 0.000 min

Lab File: VN076318.D

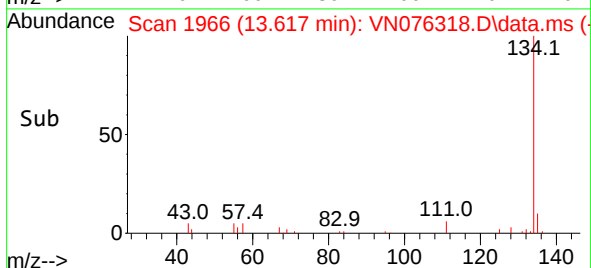
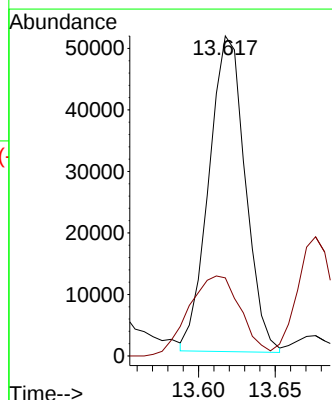
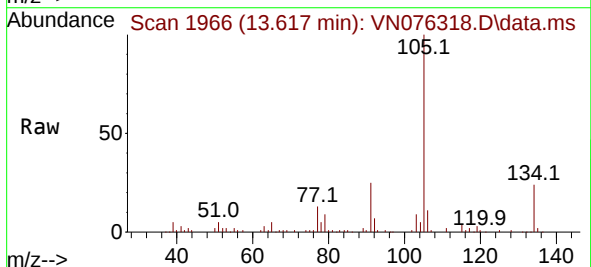
Acq: 19 Jan 2023 13:19

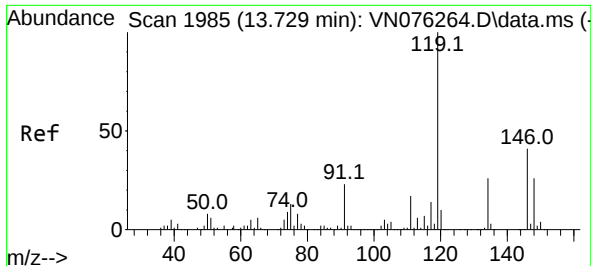
Tgt Ion:105 Resp: 84620

Ion Ratio Lower Upper

105 100

134 0.0 10.3 30.8#

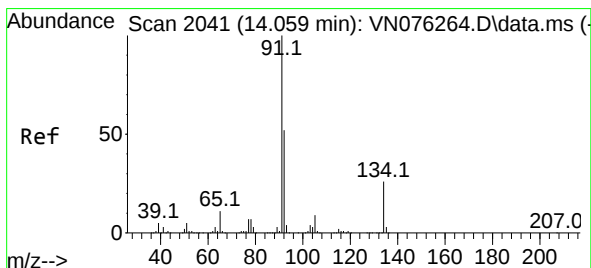
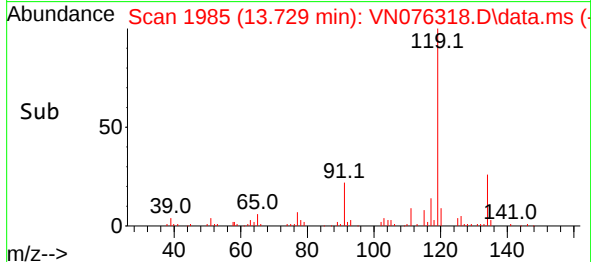
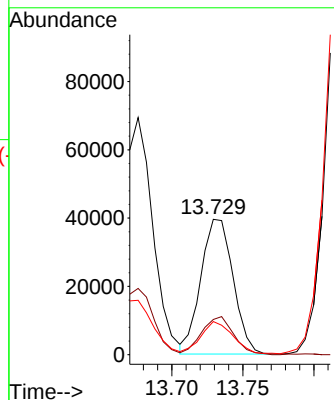
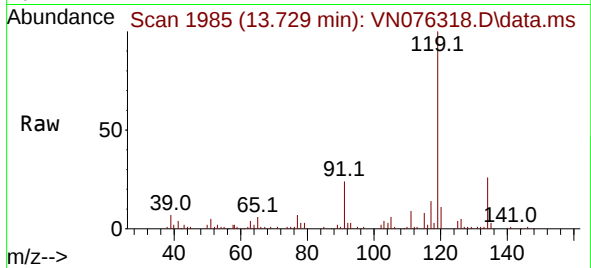




#86
p-Isopropyltoluene
Concen: 3.484 ug/l
RT: 13.729 min Scan# 1985
Delta R.T. 0.000 min
Lab File: VN076318.D
Acq: 19 Jan 2023 13:19

Instrument :
MSVOA_N
ClientSampleId :
MW-10-0118

Tgt Ion:119 Resp: 62449
Ion Ratio Lower Upper
119 100
134 27.9 13.2 39.6
91 0.0 11.8 35.3#



#89
n-Butylbenzene
Concen: 8.274 ug/l
RT: 14.059 min Scan# 2041
Delta R.T. -0.000 min
Lab File: VN076318.D
Acq: 19 Jan 2023 13:19

Tgt Ion: 91 Resp: 117737
Ion Ratio Lower Upper
91 100
92 45.4 26.3 78.9
134 0.0 13.2 39.5#

