

Data Path : Z:\voasrv\HPCHEM1\MSVOA_N\Data\VN062024\
 Data File : VN082672.D
 Acq On : 20 Jun 2024 16:50
 Operator : JC\MD
 Sample : P2993-03
 Misc : 5.0mL/MSVOA_N/WATER
 ALS Vial : 19 Sample Multiplier: 1

Instrument :
 MSVOA_N
 ClientSampleId :
 528A

Quant Time: Jun 21 02:08:42 2024
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA_N\methods\82N061724W.M
 Quant Title : SW846 8260
 QLast Update : Tue Jun 18 04:52:44 2024
 Response via : Initial Calibration

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

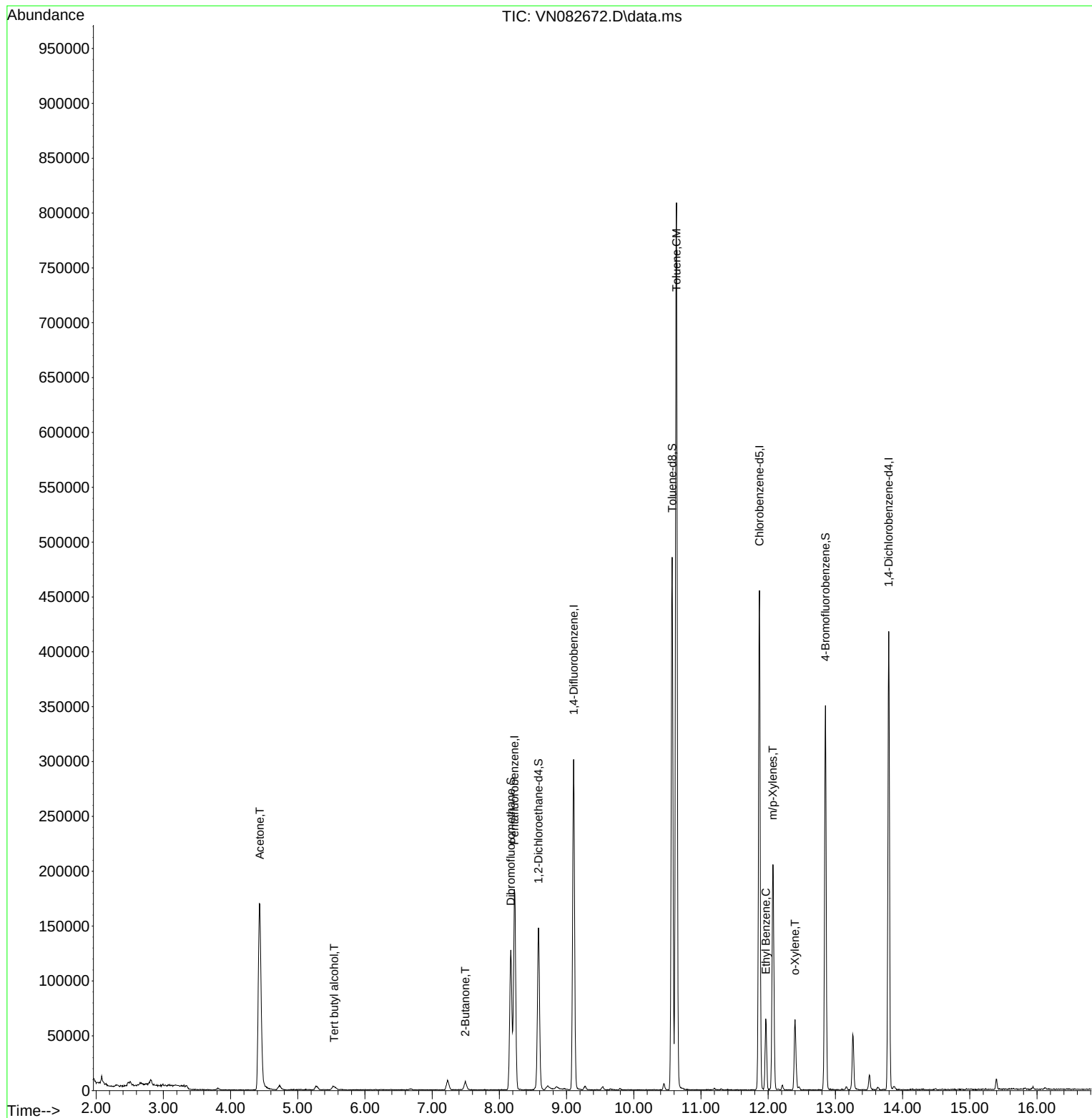
Internal Standards						
1) Pentafluorobenzene	8.224	168	126512	50.000	ug/l	0.00
34) 1,4-Difluorobenzene	9.106	114	233550	50.000	ug/l	0.00
63) Chlorobenzene-d5	11.871	117	239596	50.000	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.794	152	104449	50.000	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	8.583	65	117929	58.128	ug/l	0.00
Spiked Amount	50.000	Range	74 - 125	Recovery	= 116.260%	
35) Dibromofluoromethane	8.171	113	87317	55.111	ug/l	0.00
Spiked Amount	50.000	Range	75 - 124	Recovery	= 110.220%	
50) Toluene-d8	10.571	98	312980	52.237	ug/l	0.00
Spiked Amount	50.000	Range	86 - 113	Recovery	= 104.480%	
62) 4-Bromofluorobenzene	12.853	95	109122	52.826	ug/l	0.00
Spiked Amount	50.000	Range	64 - 133	Recovery	= 105.660%	
Target Compounds						
						Qvalue
11) Tert butyl alcohol	5.542	59	6025	18.145	ug/l	# 83
16) Acetone	4.436	43	331243	359.004	ug/l	99
25) 2-Butanone	7.494	43	13007	9.918	ug/l	93
52) Toluene	10.635	92	338314	76.281	ug/l	99
67) Ethyl Benzene	11.965	91	42388	4.528	ug/l	99
68) m/p-Xylenes	12.071	106	63367	18.194	ug/l	97
69) o-Xylene	12.400	106	15911	4.862	ug/l	97

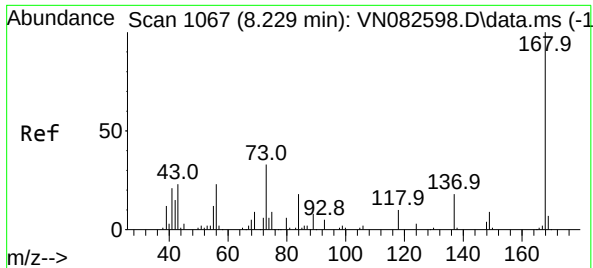
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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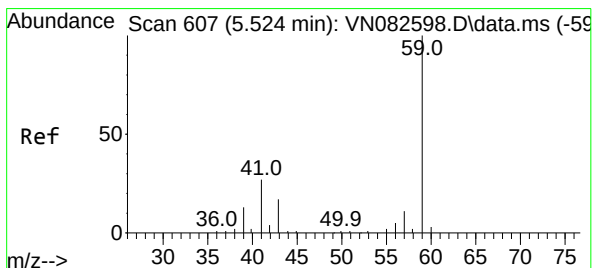
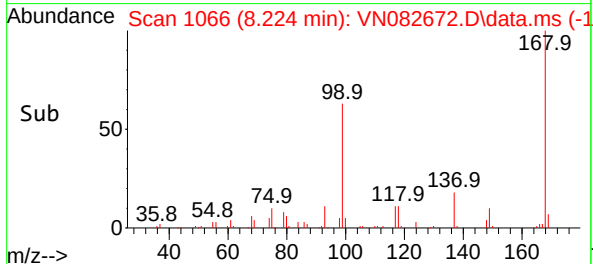
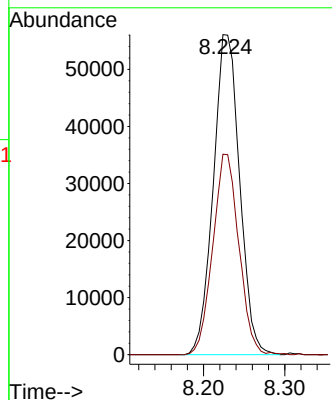
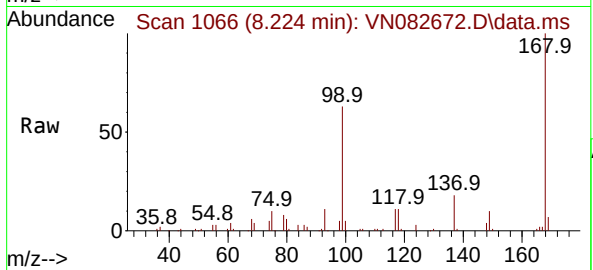




#1
Pentafluorobenzene
Concen: 50.000 ug/l
RT: 8.224 min Scan# 1066
Delta R.T. -0.005 min
Lab File: VN082672.D
Acq: 20 Jun 2024 16:50

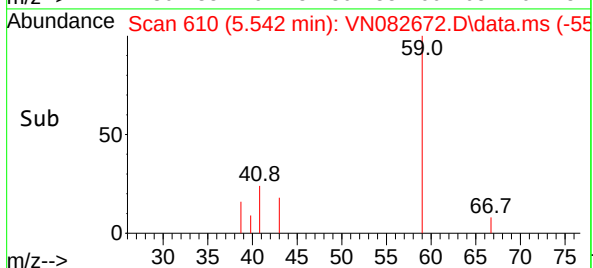
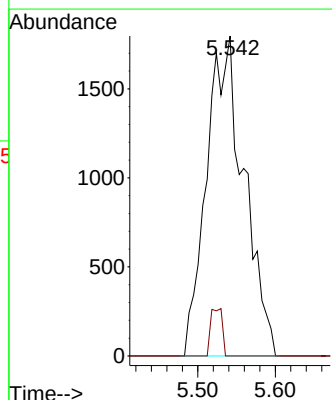
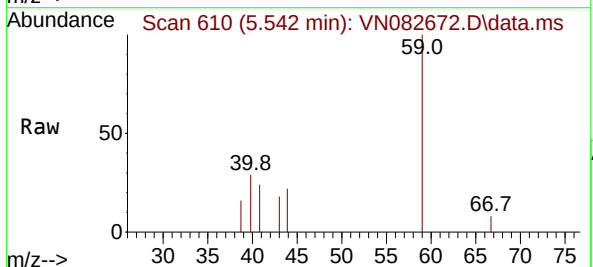
Instrument :
MSVOA_N
ClientSampleId :
528A

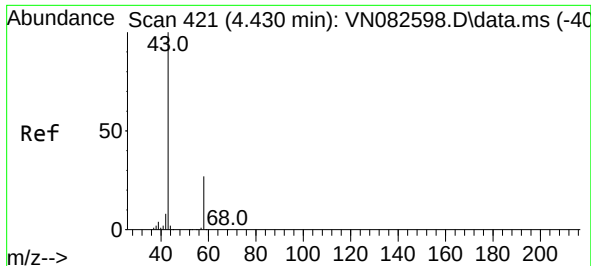
Tgt Ion:168 Resp: 126512
Ion Ratio Lower Upper
168 100
99 62.7 48.2 72.4



#11
Tert butyl alcohol
Concen: 18.145 ug/l
RT: 5.542 min Scan# 610
Delta R.T. 0.018 min
Lab File: VN082672.D
Acq: 20 Jun 2024 16:50

Tgt Ion: 59 Resp: 6025
Ion Ratio Lower Upper
59 100
57 4.6 8.9 13.3#

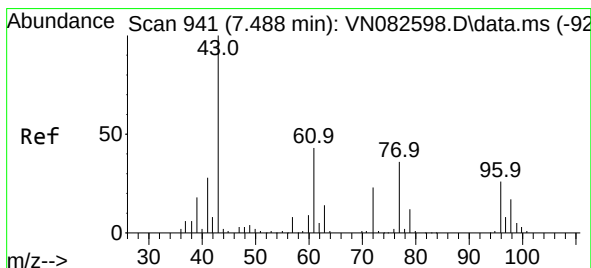
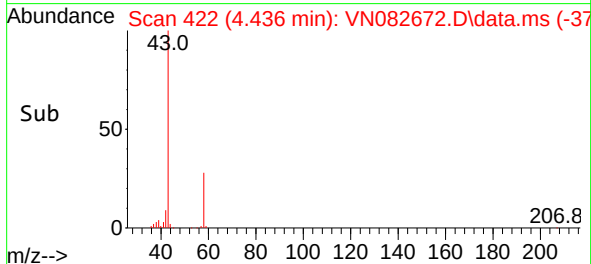
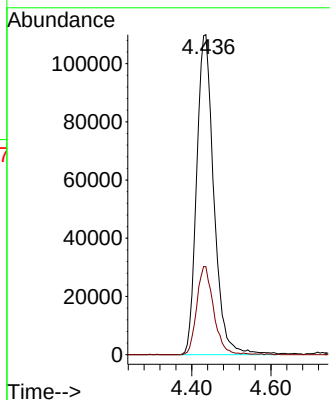
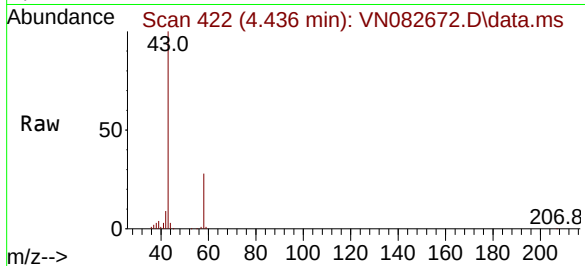




#16
Acetone
Concen: 359.004 ug/l
RT: 4.436 min Scan# 41
Delta R.T. 0.006 min
Lab File: VN082672.D
Acq: 20 Jun 2024 16:50

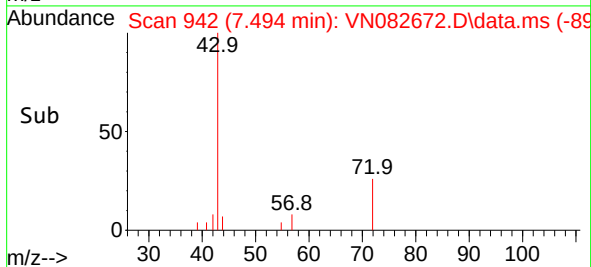
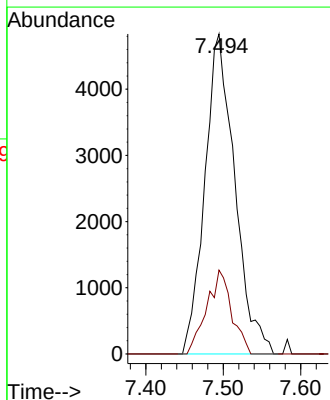
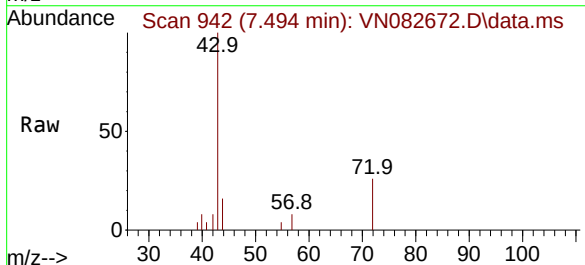
Instrument :
MSVOA_N
ClientSampleId :
528A

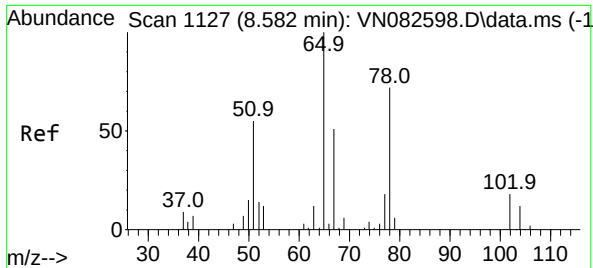
Tgt Ion: 43 Resp: 331243
Ion Ratio Lower Upper
43 100
58 27.5 21.8 32.6



#25
2-Butanone
Concen: 9.918 ug/l
RT: 7.494 min Scan# 942
Delta R.T. 0.006 min
Lab File: VN082672.D
Acq: 20 Jun 2024 16:50

Tgt Ion: 43 Resp: 13007
Ion Ratio Lower Upper
43 100
72 26.2 18.2 27.2





#33

1,2-Dichloroethane-d4

Concen: 58.128 ug/l

RT: 8.583 min Scan# 1127

Delta R.T. 0.000 min

Lab File: VN082672.D

Acq: 20 Jun 2024 16:50

Instrument :

MSVOA_N

ClientSampleId :

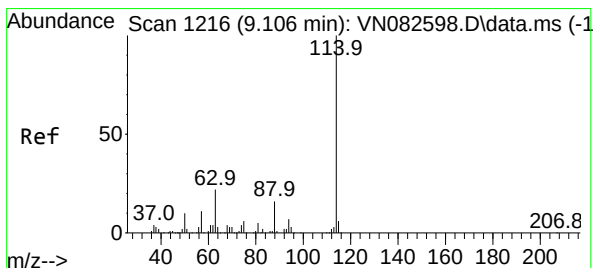
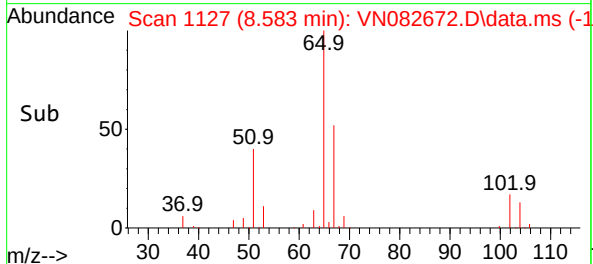
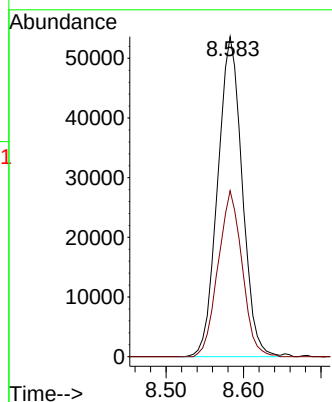
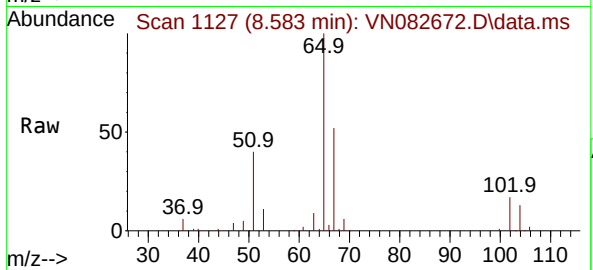
528A

Tgt Ion: 65 Resp: 117929

Ion Ratio Lower Upper

65 100

67 50.9 0.0 104.4



#34

1,4-Difluorobenzene

Concen: 50.000 ug/l

RT: 9.106 min Scan# 1216

Delta R.T. 0.000 min

Lab File: VN082672.D

Acq: 20 Jun 2024 16:50

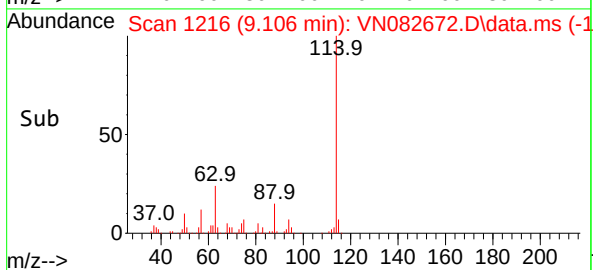
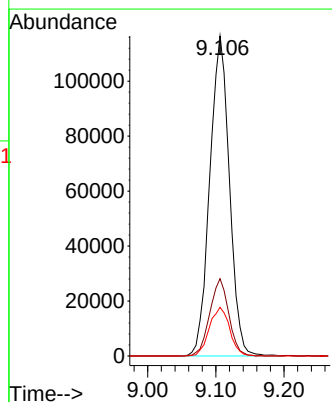
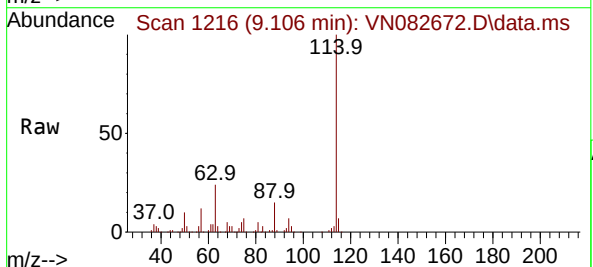
Tgt Ion: 114 Resp: 233550

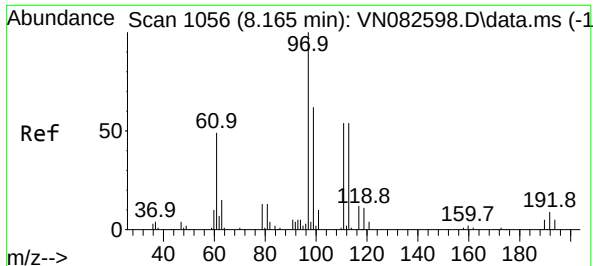
Ion Ratio Lower Upper

114 100

63 24.2 0.0 44.6

88 15.2 0.0 31.4





#35

Dibromofluoromethane

Concen: 55.111 ug/l

RT: 8.171 min Scan# 110

Delta R.T. 0.006 min

Lab File: VN082672.D

Acq: 20 Jun 2024 16:50

Instrument :

MSVOA_N

ClientSampleId :

528A

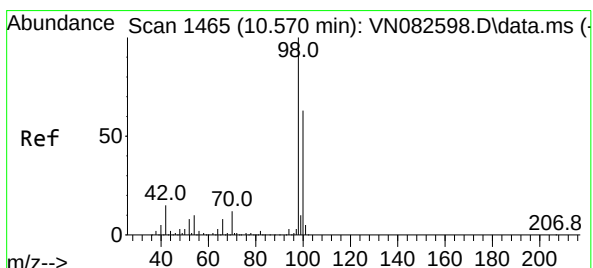
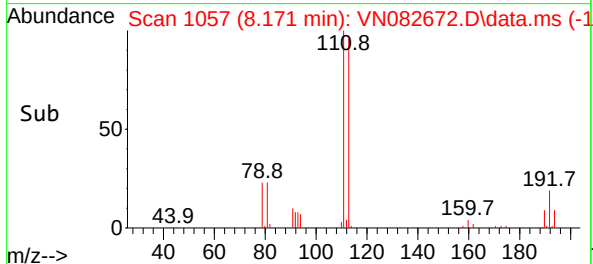
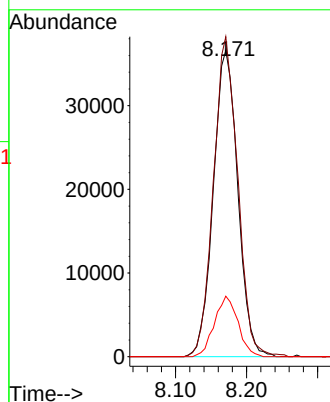
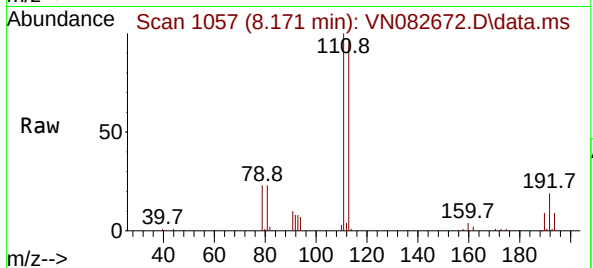
Tgt Ion:113 Resp: 87317

Ion Ratio Lower Upper

113 100

111 103.6 82.4 123.6

192 19.0 14.9 22.3



#50

Toluene-d8

Concen: 52.237 ug/l

RT: 10.571 min Scan# 1465

Delta R.T. 0.000 min

Lab File: VN082672.D

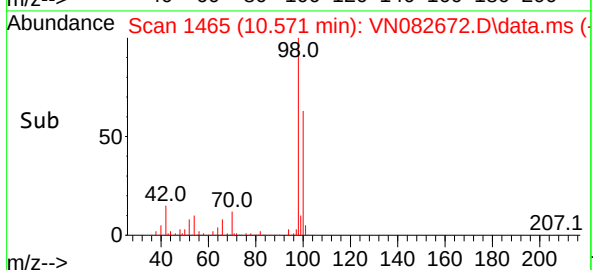
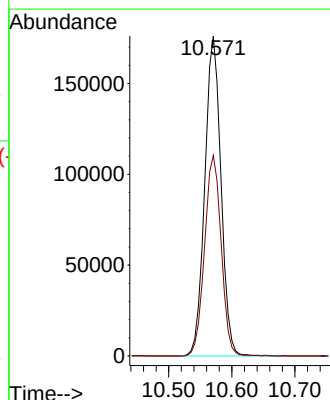
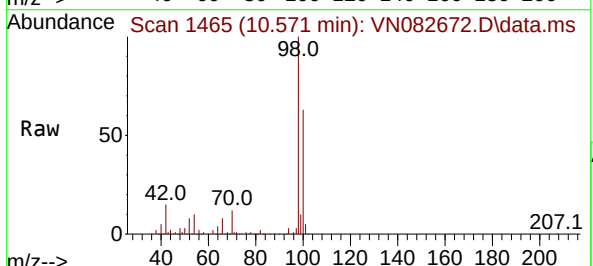
Acq: 20 Jun 2024 16:50

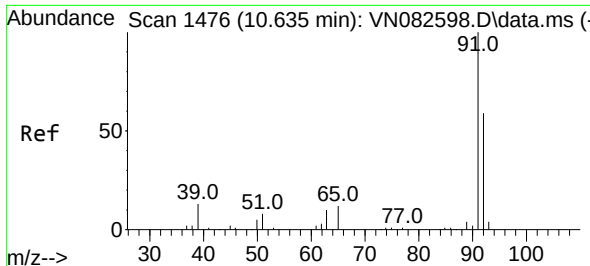
Tgt Ion: 98 Resp: 312980

Ion Ratio Lower Upper

98 100

100 64.1 51.5 77.3

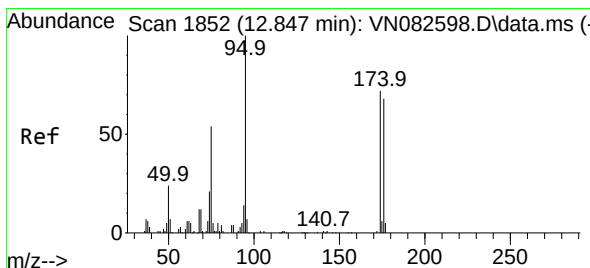
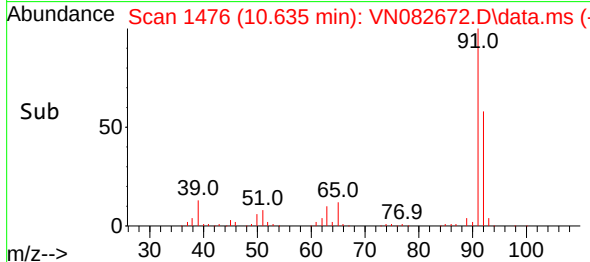
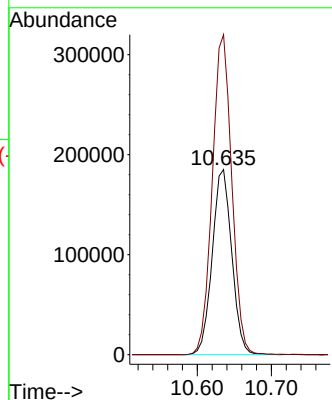
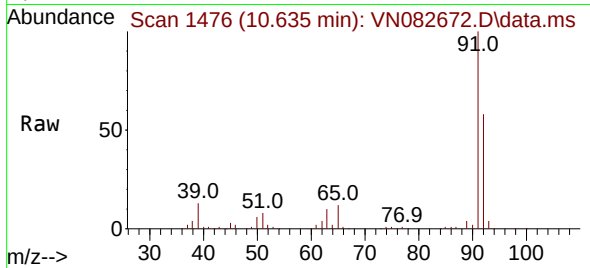




#52
Toluene
Concen: 76.281 ug/l
RT: 10.635 min Scan# 1476
Delta R.T. 0.000 min
Lab File: VN082672.D
Acq: 20 Jun 2024 16:50

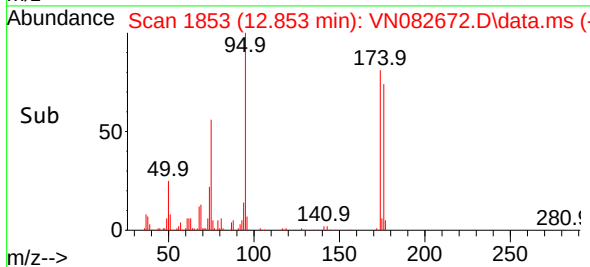
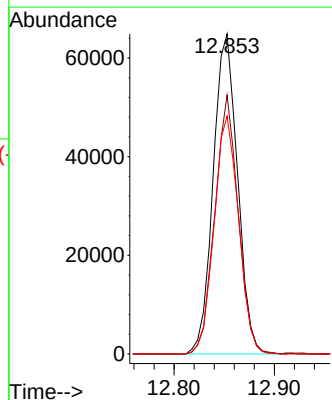
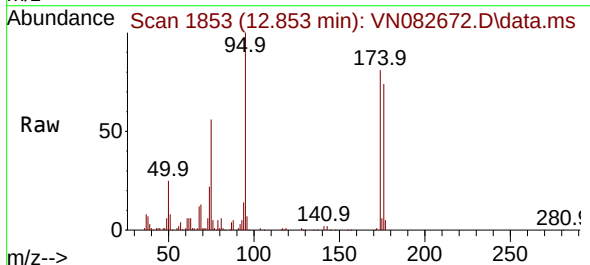
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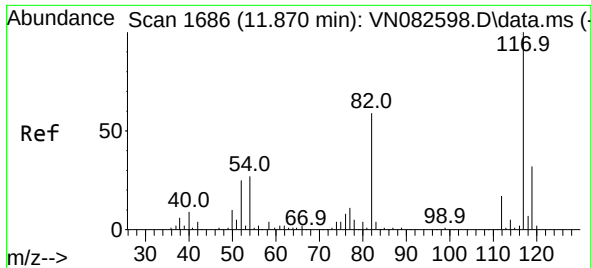
Tgt Ion: 92 Resp: 338314
Ion Ratio Lower Upper
92 100
91 172.5 139.4 209.0



#62
4-Bromofluorobenzene
Concen: 52.826 ug/l
RT: 12.853 min Scan# 1853
Delta R.T. 0.006 min
Lab File: VN082672.D
Acq: 20 Jun 2024 16:50

Tgt Ion: 95 Resp: 109122
Ion Ratio Lower Upper
95 100
174 77.6 0.0 159.2
176 74.7 0.0 147.6

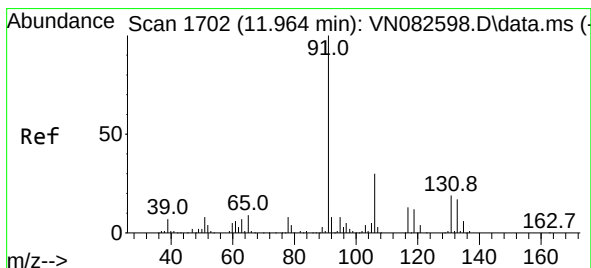
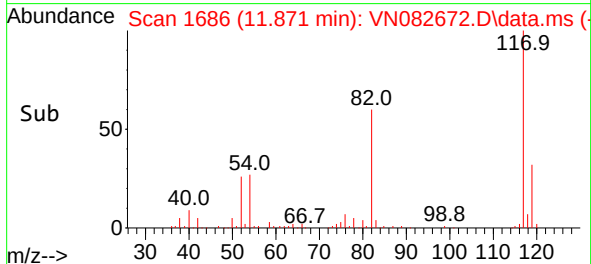
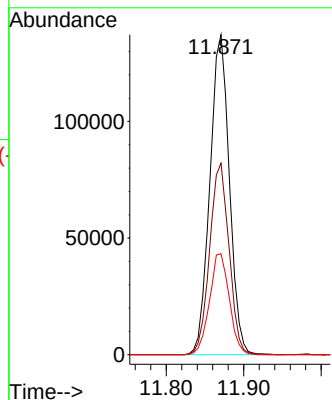
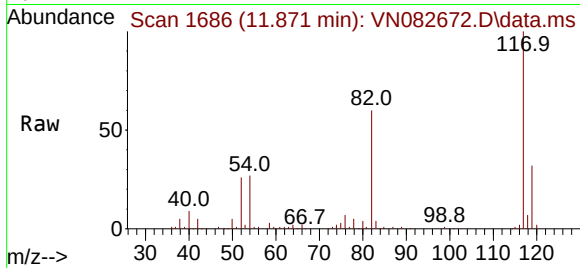




#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 11.871 min Scan# 1169
Delta R.T. 0.000 min
Lab File: VN082672.D
Acq: 20 Jun 2024 16:50

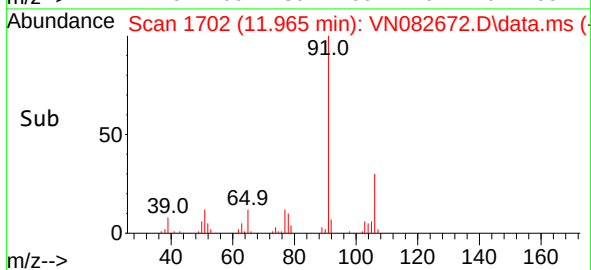
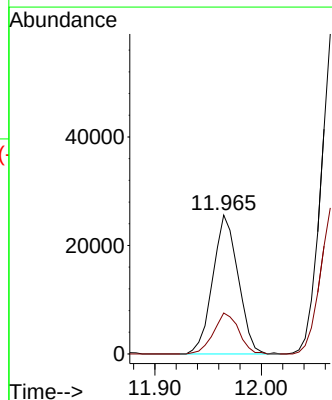
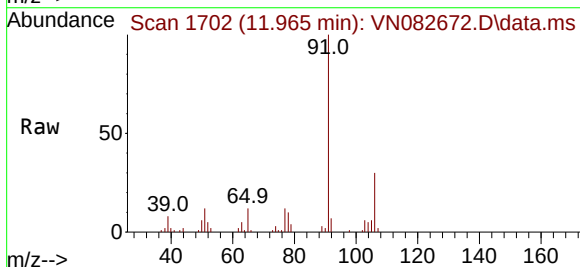
Instrument :
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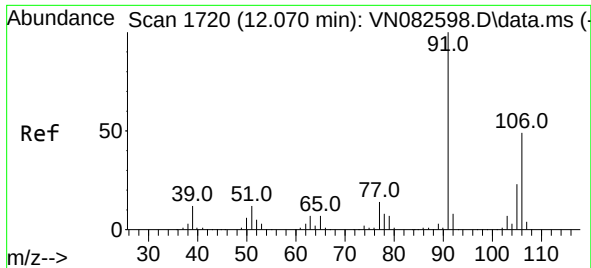
Tgt Ion:117 Resp: 239596
Ion Ratio Lower Upper
117 100
82 59.9 47.5 71.3
119 31.6 25.6 38.4



#67
Ethyl Benzene
Concen: 4.528 ug/l
RT: 11.965 min Scan# 1702
Delta R.T. 0.000 min
Lab File: VN082672.D
Acq: 20 Jun 2024 16:50

Tgt Ion: 91 Resp: 42388
Ion Ratio Lower Upper
91 100
106 29.5 24.0 36.0

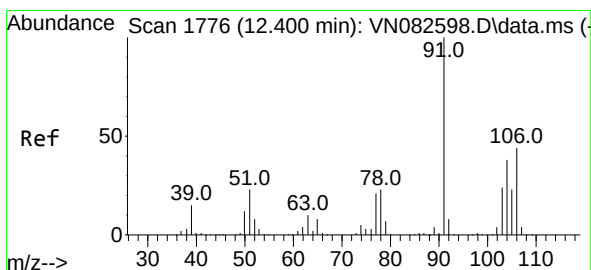
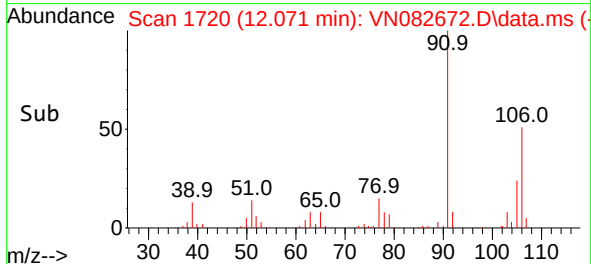
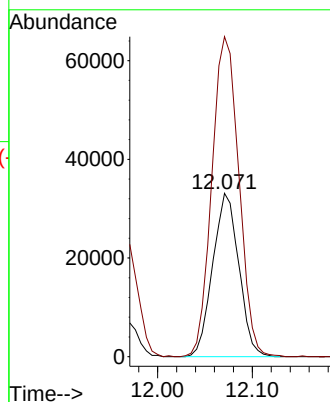
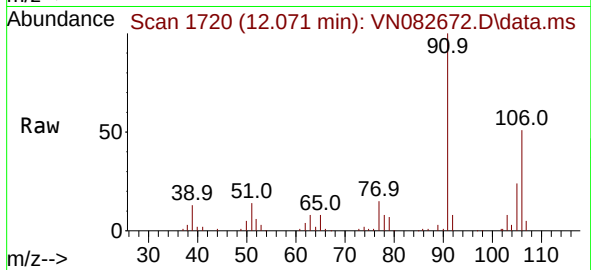




#68
m/p-Xylenes
Concen: 18.194 ug/l
RT: 12.071 min Scan# 1720
Delta R.T. 0.000 min
Lab File: VN082672.D
Acq: 20 Jun 2024 16:50

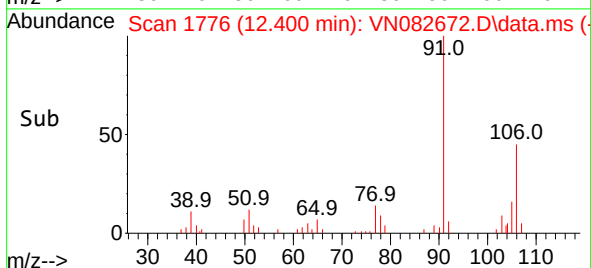
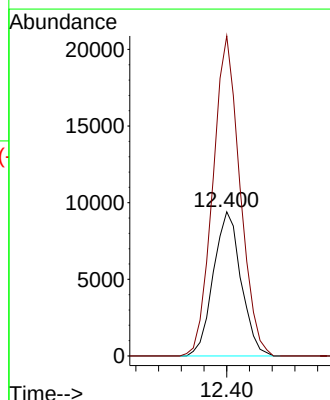
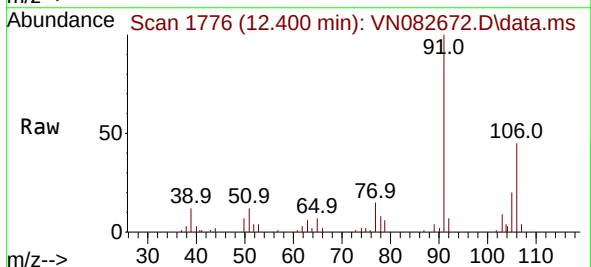
Instrument :
MSVOA_N
ClientSampleId :
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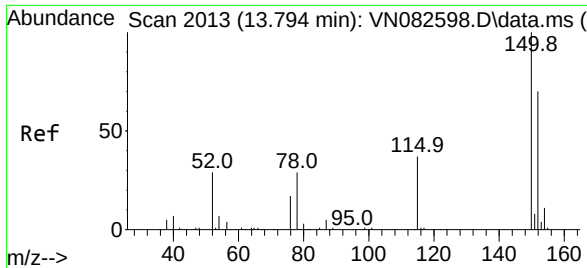
Tgt Ion:106 Resp: 63367
Ion Ratio Lower Upper
106 100
91 202.9 166.1 249.1



#69
o-Xylene
Concen: 4.862 ug/l
RT: 12.400 min Scan# 1776
Delta R.T. 0.000 min
Lab File: VN082672.D
Acq: 20 Jun 2024 16:50

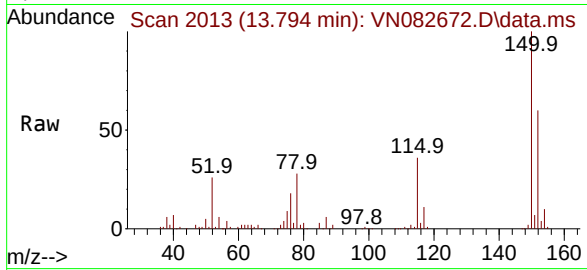
Tgt Ion:106 Resp: 15911
Ion Ratio Lower Upper
106 100
91 217.9 111.3 333.9





#72
 1,4-Dichlorobenzene-d4
 Concen: 50.000 ug/l
 RT: 13.794 min Scan# 20
 Delta R.T. 0.000 min
 Lab File: VN082672.D
 Acq: 20 Jun 2024 16:50

Instrument :
 MSVOA_N
 ClientSampleId :
 528A



Tgt Ion:152 Resp: 104449
 Ion Ratio Lower Upper
 152 100
 115 60.7 30.6 91.6
 150 160.6 0.0 348.6

