

Data Path : Z:\voasrv\HPCHEM1\MSVOA_N\Data\VN032124\
 Data File : VN081514.D
 Acq On : 21 Mar 2024 13:03
 Operator : JC\MD
 Sample : P1799-02DL 20X
 Misc : 5.0mL/MSVOA_N/WATER
 ALS Vial : 7 Sample Multiplier: 1

Instrument :
 MSVOA_N
 ClientSampleId :
 50296DL

Quant Time: Mar 22 05:04:49 2024
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA_N\methods\82N031824W.M
 Quant Title : SW846 8260
 QLast Update : Tue Mar 19 06:00:00 2024
 Response via : Initial Calibration

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

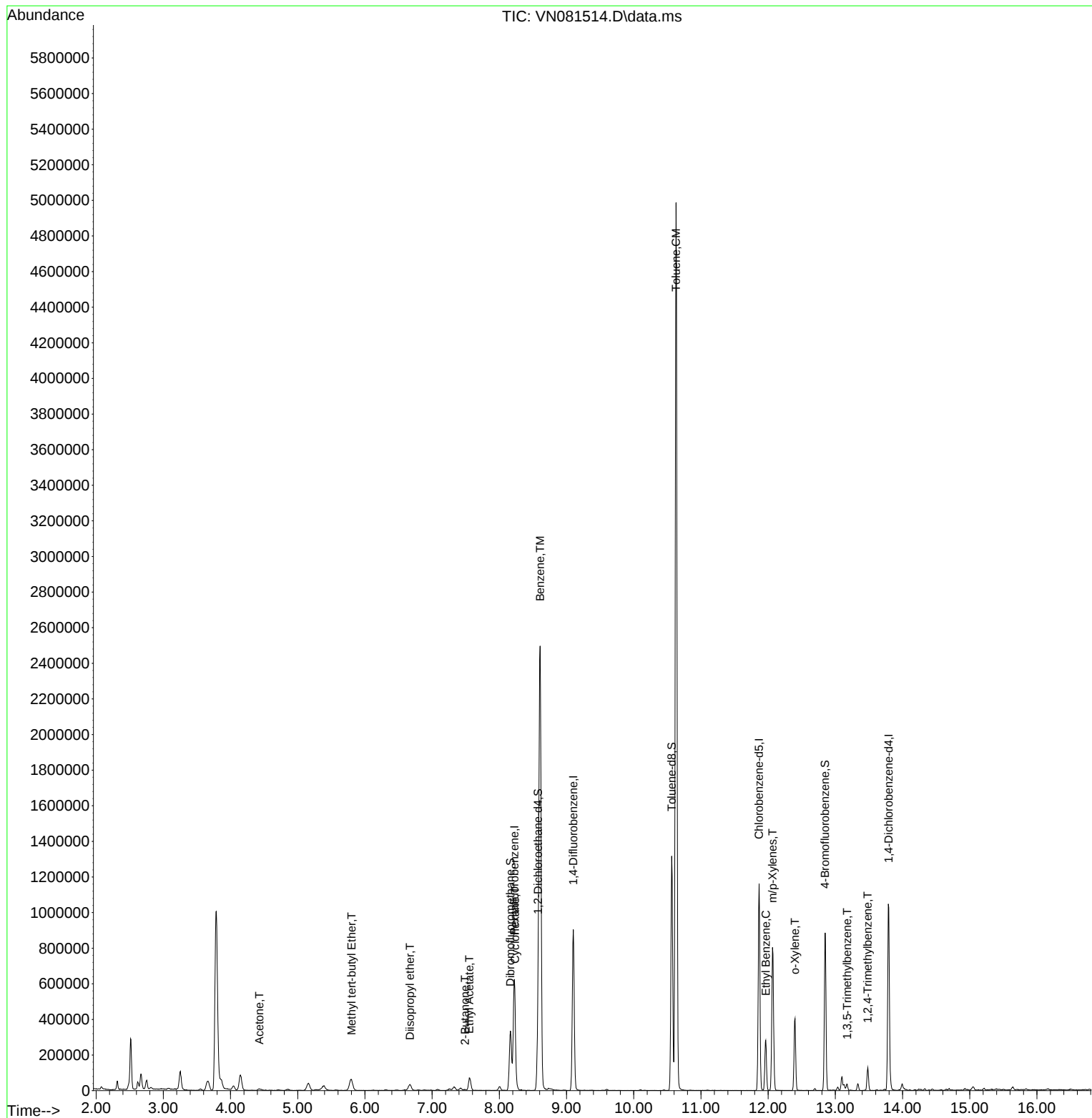
Internal Standards						
1) Pentafluorobenzene	8.224	168	459132	50.000	ug/l	0.00
34) 1,4-Difluorobenzene	9.100	114	797631	50.000	ug/l	0.00
63) Chlorobenzene-d5	11.865	117	682376	50.000	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.794	152	291577	50.000	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	8.577	65	277539	47.401	ug/l	0.00
Spiked Amount	50.000	Range	74 - 125	Recovery	=	94.800%
35) Dibromofluoromethane	8.165	113	238321	47.344	ug/l	0.00
Spiked Amount	50.000	Range	75 - 124	Recovery	=	94.680%
50) Toluene-d8	10.565	98	915894	50.333	ug/l	0.00
Spiked Amount	50.000	Range	86 - 113	Recovery	=	100.660%
62) 4-Bromofluorobenzene	12.847	95	301287	46.989	ug/l	0.00
Spiked Amount	50.000	Range	64 - 133	Recovery	=	93.980%
Target Compounds						
					Qvalue	
16) Acetone	4.430	43	13799	7.292	ug/l #	73
19) Methyl tert-butyl Ether	5.800	73	100837	5.946	ug/l	96
22) Diisopropyl ether	6.671	45	35557	2.254	ug/l #	92
25) 2-Butanone	7.489	43	7545	2.325	ug/l #	70
31) Cyclohexane	8.236	56	21021	2.206	ug/l #	22
37) Ethyl Acetate	7.553	43	103623	14.285	ug/l	96
40) Benzene	8.606	78	2600135	104.985	ug/l	97
52) Toluene	10.630	92	2236333	142.065	ug/l	98
67) Ethyl Benzene	11.965	91	212060	7.568	ug/l	99
68) m/p-Xylenes	12.065	106	262592	24.997	ug/l	94
69) o-Xylene	12.400	106	115722	11.221	ug/l	93
80) 1,3,5-Trimethylbenzene	13.176	105	16221m	0.790	ug/l	
84) 1,2,4-Trimethylbenzene	13.482	105	72760	3.526	ug/l	96

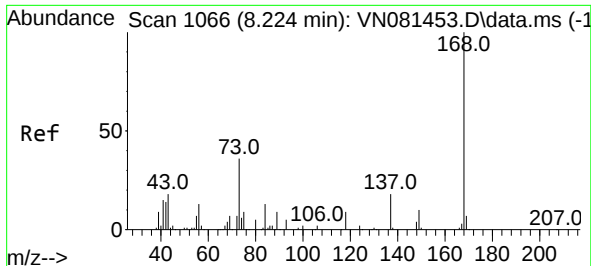
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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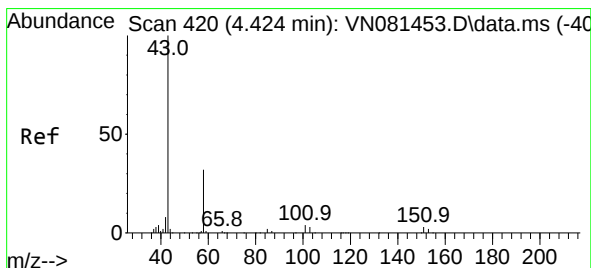
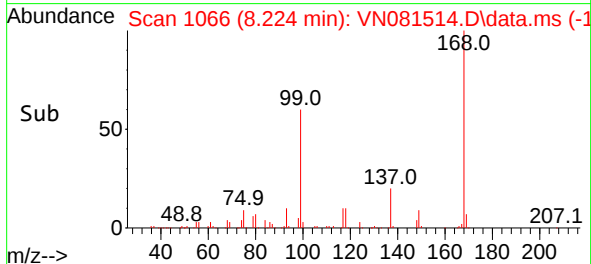
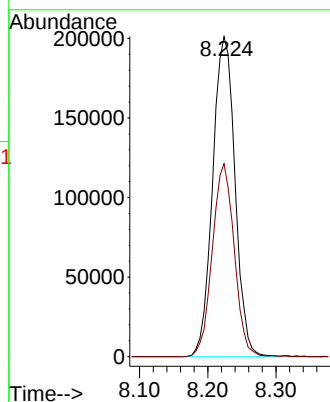
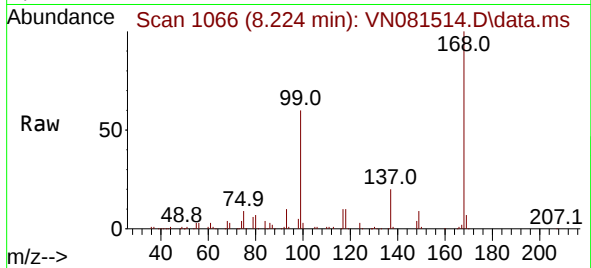




#1
Pentafluorobenzene
Concen: 50.000 ug/l
RT: 8.224 min Scan# 1
Delta R.T. -0.000 min
Lab File: VN081514.D
Acq: 21 Mar 2024 13:03

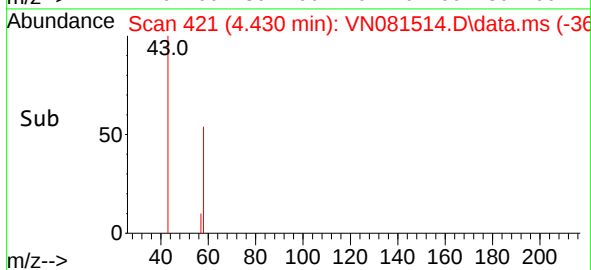
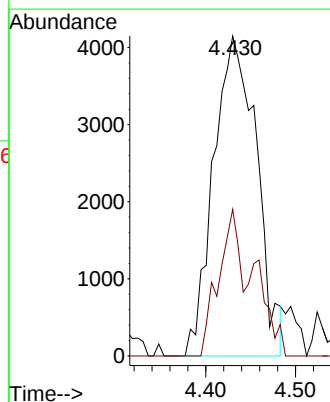
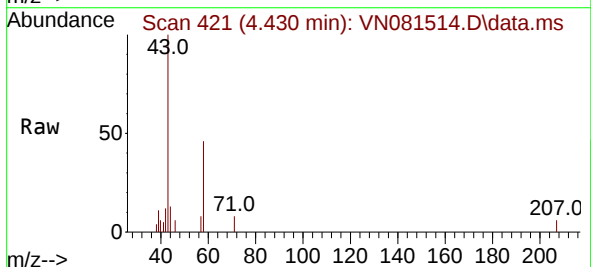
Instrument :
MSVOA_N
ClientSampleId :
50296DL

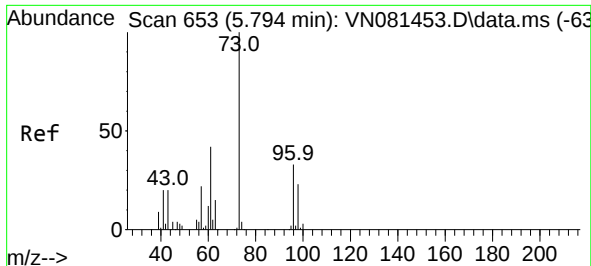
Tgt Ion:168 Resp: 459132
Ion Ratio Lower Upper
168 100
99 60.3 59.9 89.9



#16
Acetone
Concen: 7.292 ug/l
RT: 4.430 min Scan# 421
Delta R.T. 0.006 min
Lab File: VN081514.D
Acq: 21 Mar 2024 13:03

Tgt Ion: 43 Resp: 13799
Ion Ratio Lower Upper
43 100
58 45.8 24.8 37.2#

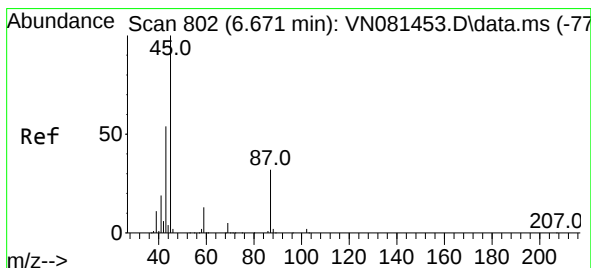
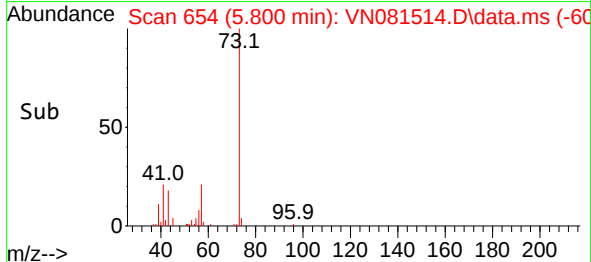
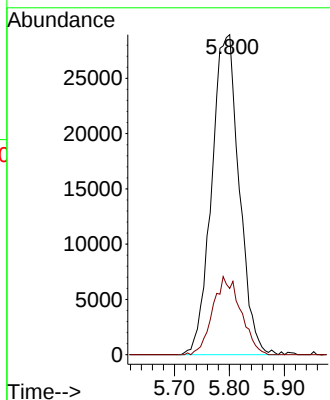
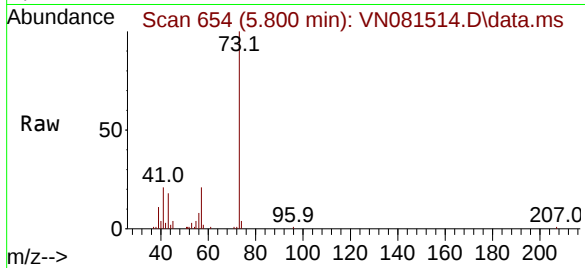




#19
Methyl tert-butyl Ether
Concen: 5.946 ug/l
RT: 5.800 min Scan# 61
Delta R.T. 0.006 min
Lab File: VN081514.D
Acq: 21 Mar 2024 13:03

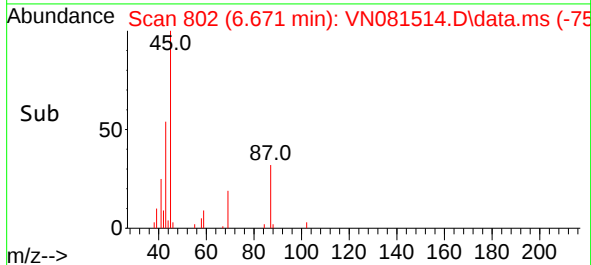
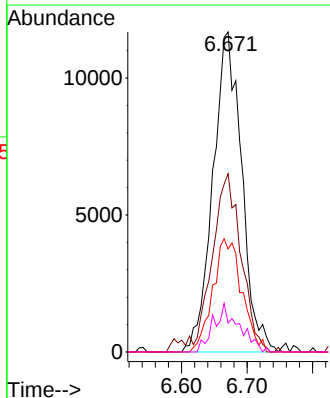
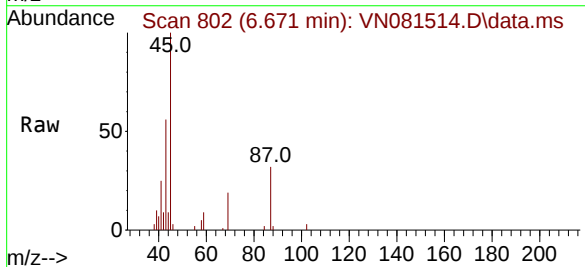
Instrument :
MSVOA_N
ClientSampleId :
50296DL

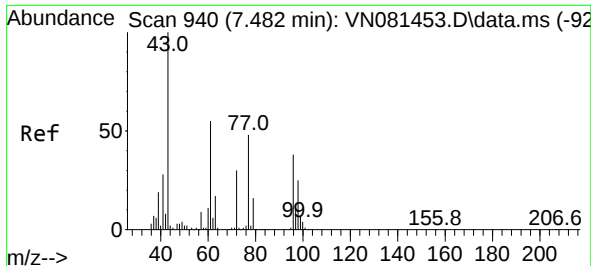
Tgt Ion: 73 Resp: 100837
Ion Ratio Lower Upper
73 100
57 20.7 18.2 27.4



#22
Diisopropyl ether
Concen: 2.254 ug/l
RT: 6.671 min Scan# 802
Delta R.T. 0.000 min
Lab File: VN081514.D
Acq: 21 Mar 2024 13:03

Tgt Ion: 45 Resp: 35557
Ion Ratio Lower Upper
45 100
43 54.3 41.8 62.8
87 32.2 18.1 27.1#
59 9.1 9.0 13.6

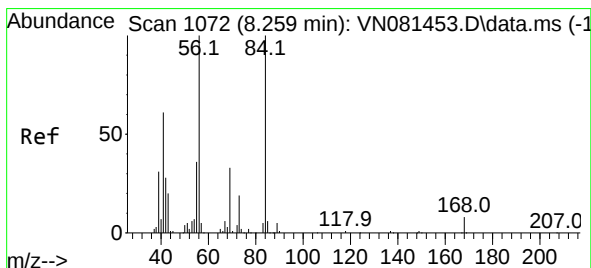
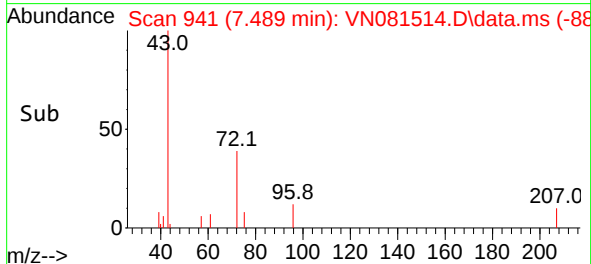
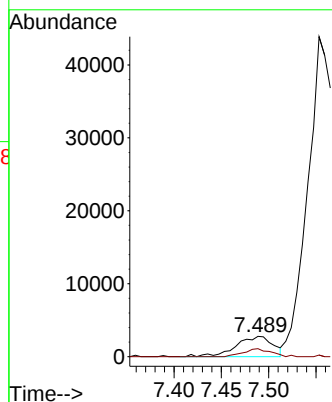
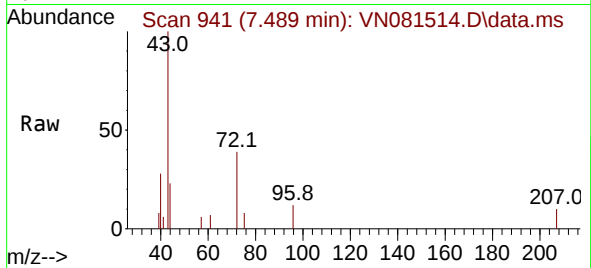




#25
2-Butanone
Concen: 2.325 ug/l
RT: 7.489 min Scan# 940
Delta R.T. 0.006 min
Lab File: VN081514.D
Acq: 21 Mar 2024 13:03

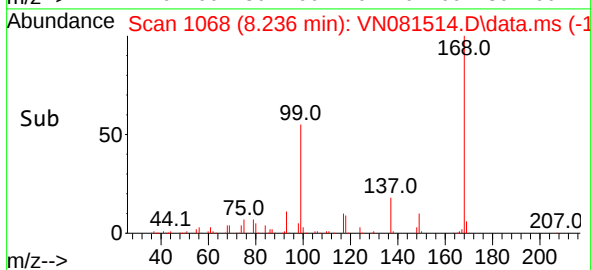
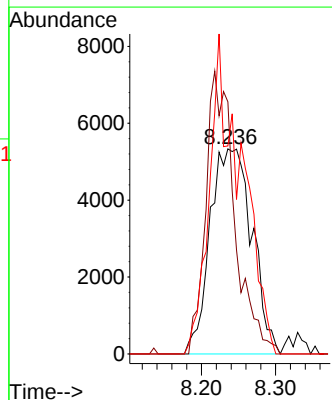
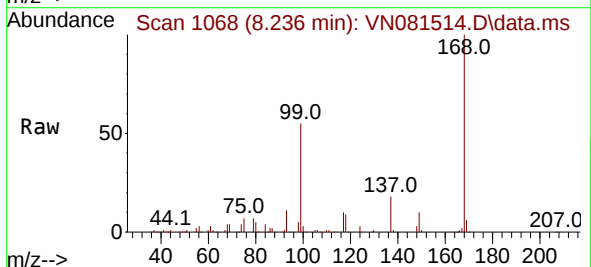
Instrument :
MSVOA_N
ClientSampleId :
50296DL

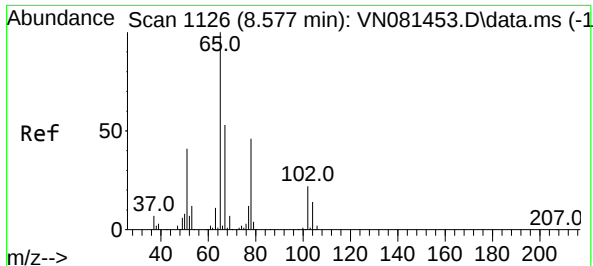
Tgt Ion: 43 Resp: 7545
Ion Ratio Lower Upper
43 100
72 39.4 19.5 29.3#



#31
Cyclohexane
Concen: 2.206 ug/l
RT: 8.236 min Scan# 1068
Delta R.T. -0.023 min
Lab File: VN081514.D
Acq: 21 Mar 2024 13:03

Tgt Ion: 56 Resp: 21021
Ion Ratio Lower Upper
56 100
69 122.9 20.1 30.1#
84 101.4 56.9 85.3#





#33

1,2-Dichloroethane-d4

Concen: 47.401 ug/l

RT: 8.577 min Scan# 1126

Delta R.T. 0.000 min

Lab File: VN081514.D

Acq: 21 Mar 2024 13:03

Instrument :

MSVOA_N

ClientSampleId :

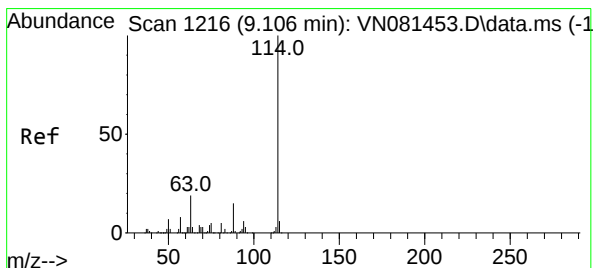
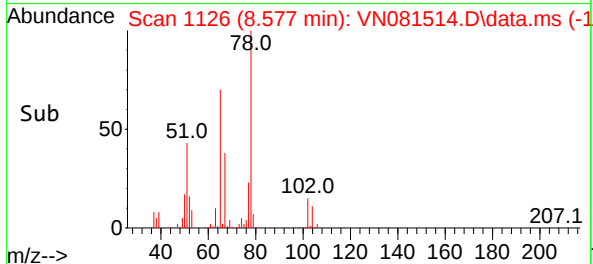
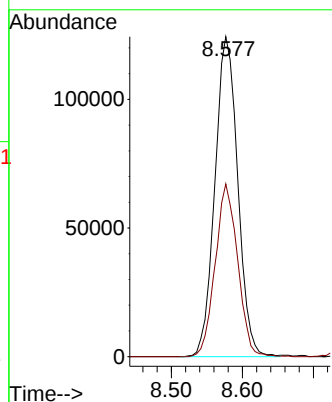
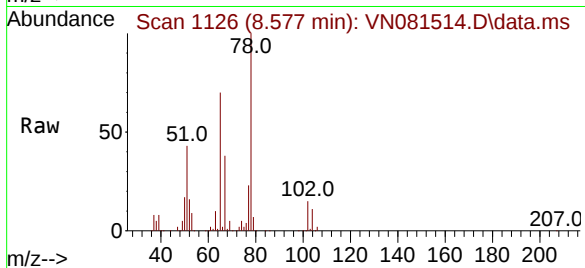
50296DL

Tgt Ion: 65 Resp: 277539

Ion Ratio Lower Upper

65 100

67 53.0 0.0 102.4



#34

1,4-Difluorobenzene

Concen: 50.000 ug/l

RT: 9.100 min Scan# 1215

Delta R.T. -0.006 min

Lab File: VN081514.D

Acq: 21 Mar 2024 13:03

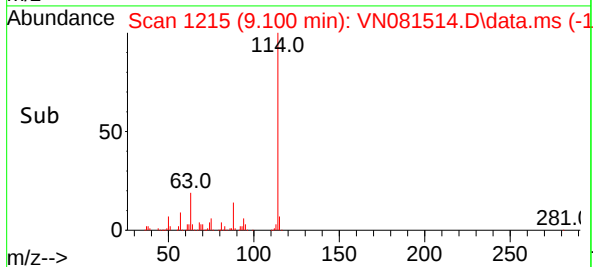
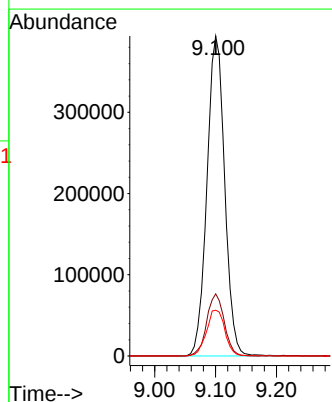
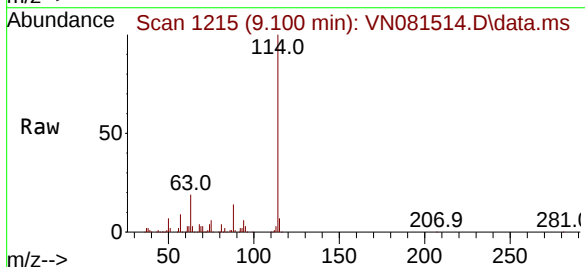
Tgt Ion: 114 Resp: 797631

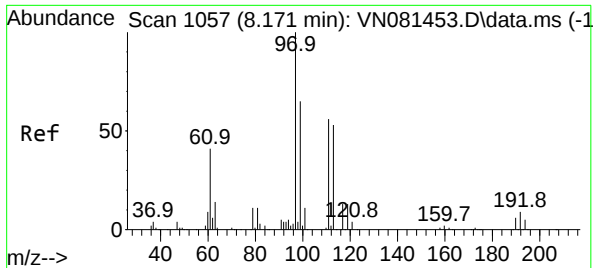
Ion Ratio Lower Upper

114 100

63 19.4 0.0 48.0

88 14.3 0.0 34.8

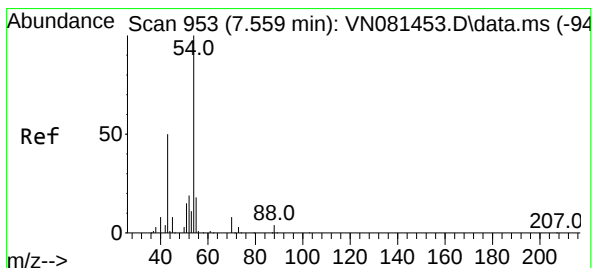
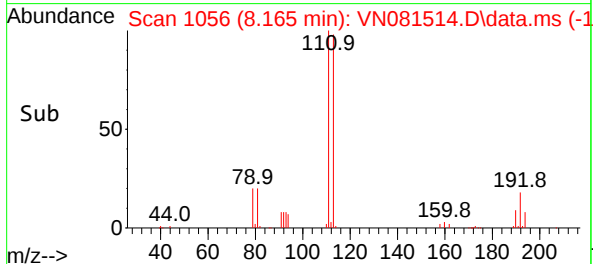
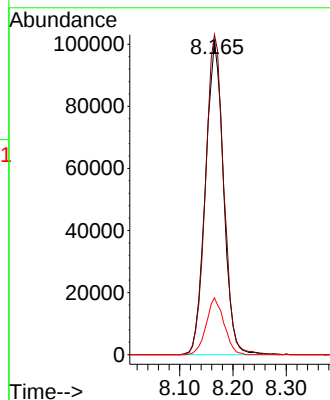
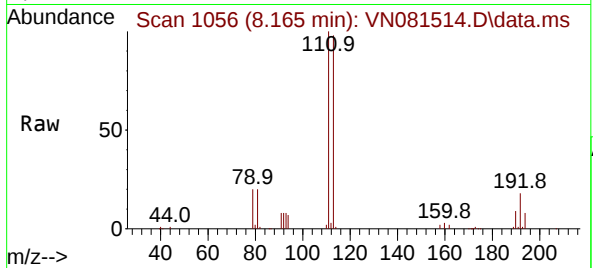




#35
Dibromofluoromethane
Concen: 47.344 ug/l
RT: 8.165 min Scan# 1056
Delta R.T. -0.006 min
Lab File: VN081514.D
Acq: 21 Mar 2024 13:03

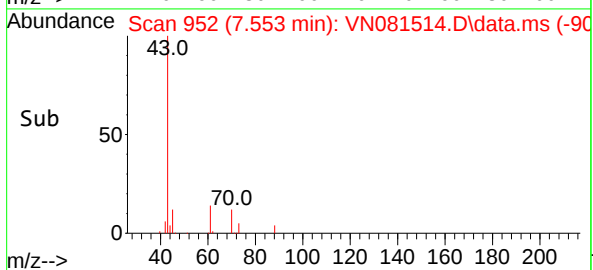
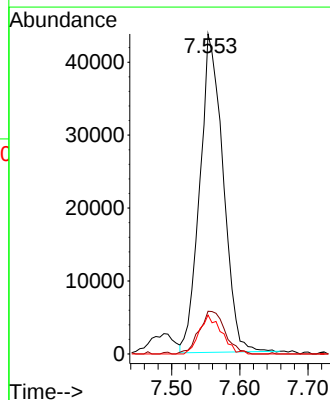
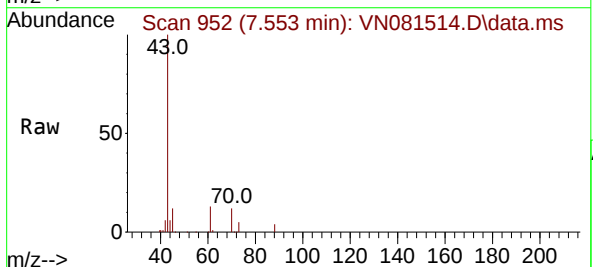
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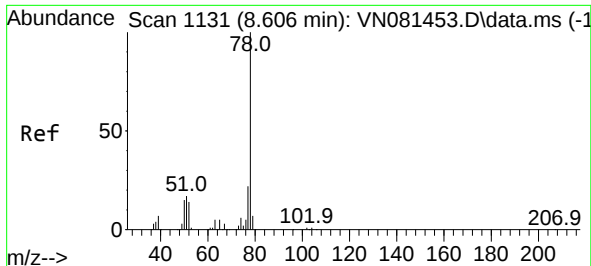
Tgt Ion:113 Resp: 238321
Ion Ratio Lower Upper
113 100
111 102.3 82.2 123.4
192 17.8 12.5 18.7



#37
Ethyl Acetate
Concen: 14.285 ug/l
RT: 7.553 min Scan# 952
Delta R.T. -0.006 min
Lab File: VN081514.D
Acq: 21 Mar 2024 13:03

Tgt Ion: 43 Resp: 103623
Ion Ratio Lower Upper
43 100
61 14.9 10.6 15.8
70 11.7 8.0 12.0

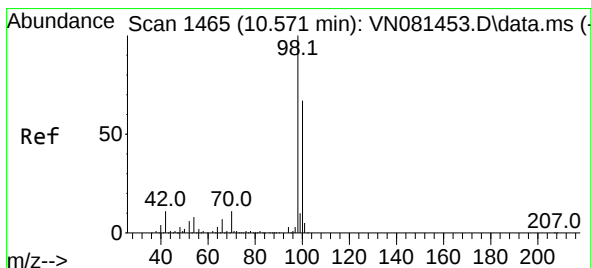
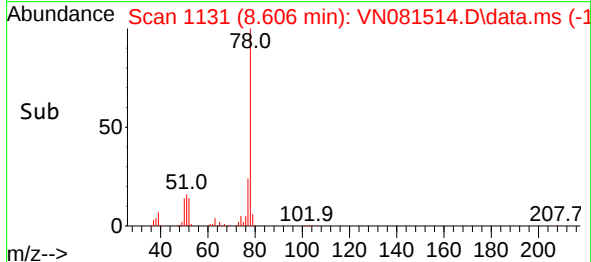
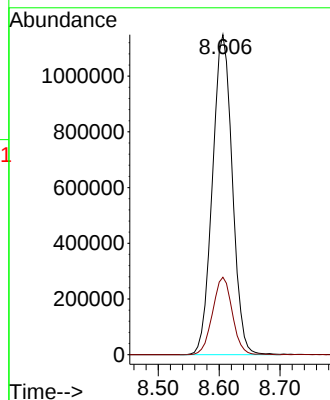
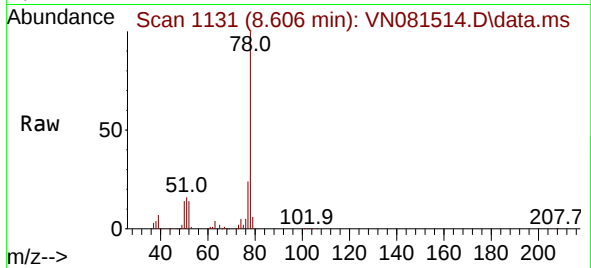




#40
Benzene
Concen: 104.985 ug/l
RT: 8.606 min Scan# 1131
Delta R.T. 0.000 min
Lab File: VN081514.D
Acq: 21 Mar 2024 13:03

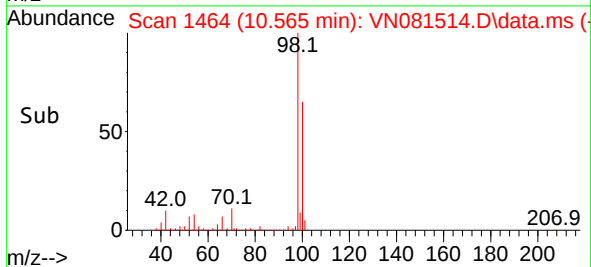
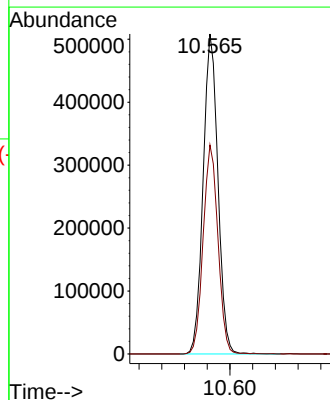
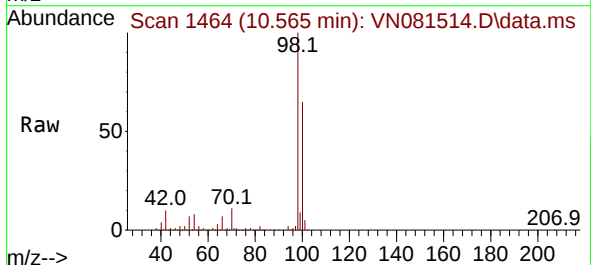
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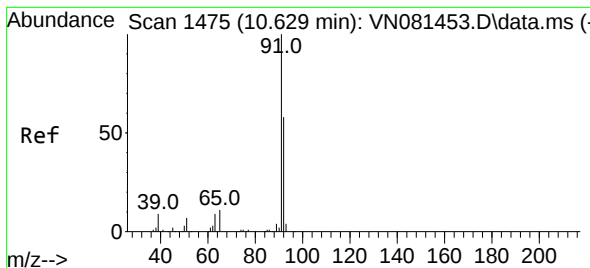
Tgt Ion: 78 Resp: 2600135
Ion Ratio Lower Upper
78 100
77 24.2 20.4 30.6



#50
Toluene-d8
Concen: 50.333 ug/l
RT: 10.565 min Scan# 1464
Delta R.T. -0.006 min
Lab File: VN081514.D
Acq: 21 Mar 2024 13:03

Tgt Ion: 98 Resp: 915894
Ion Ratio Lower Upper
98 100
100 65.4 51.4 77.0





#52

Toluene

Concen: 142.065 ug/l

RT: 10.630 min Scan# 1475

Delta R.T. 0.000 min

Lab File: VN081514.D

Acq: 21 Mar 2024 13:03

Instrument :

MSVOA_N

ClientSampleId :

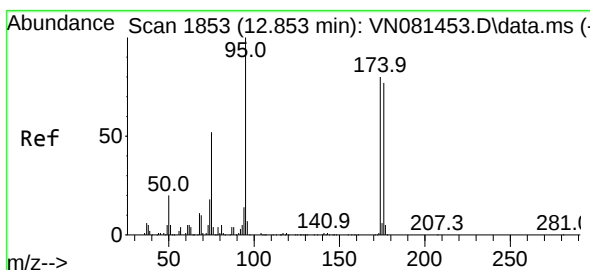
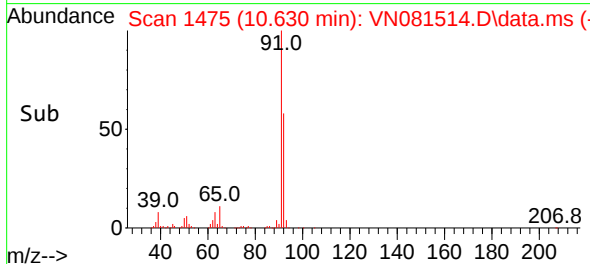
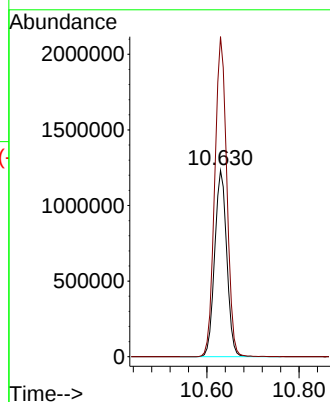
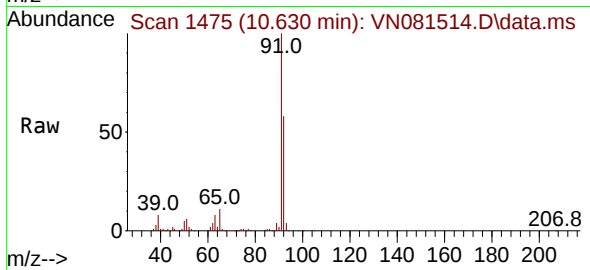
50296DL

Tgt Ion: 92 Resp: 2236333

Ion Ratio Lower Upper

92 100

91 171.6 139.4 209.0



#62

4-Bromofluorobenzene

Concen: 46.989 ug/l

RT: 12.847 min Scan# 1852

Delta R.T. -0.006 min

Lab File: VN081514.D

Acq: 21 Mar 2024 13:03

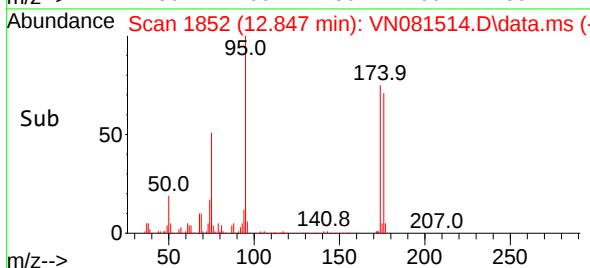
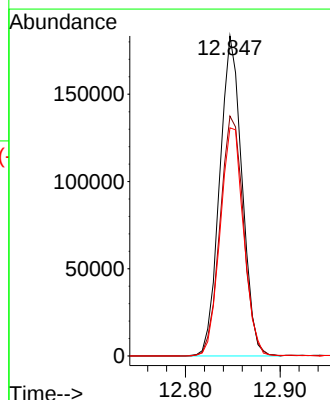
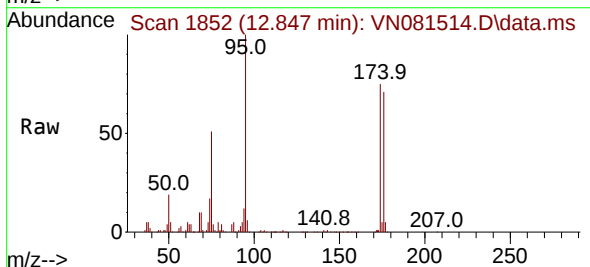
Tgt Ion: 95 Resp: 301287

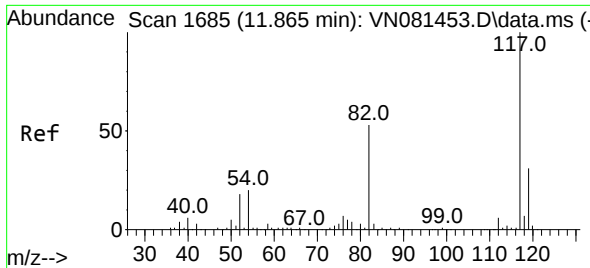
Ion Ratio Lower Upper

95 100

174 78.6 0.0 120.4

176 74.8 0.0 121.0

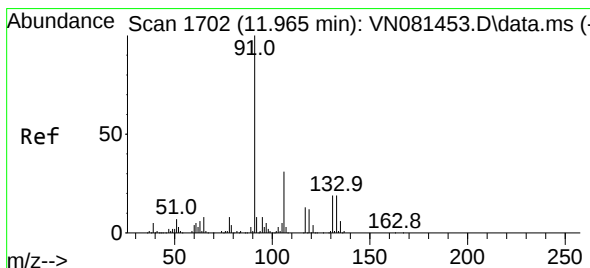
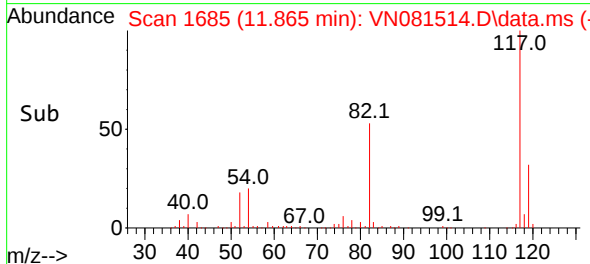
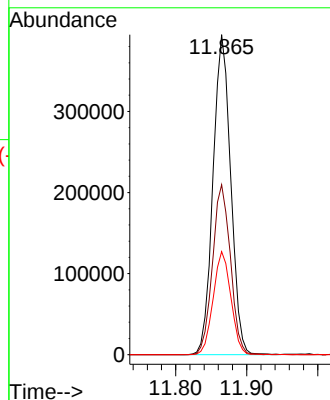
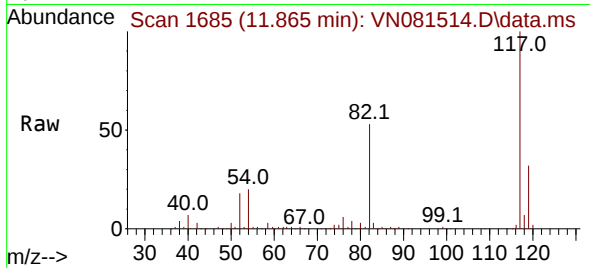




#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 11.865 min Scan# 117
Delta R.T. 0.000 min
Lab File: VN081514.D
Acq: 21 Mar 2024 13:03

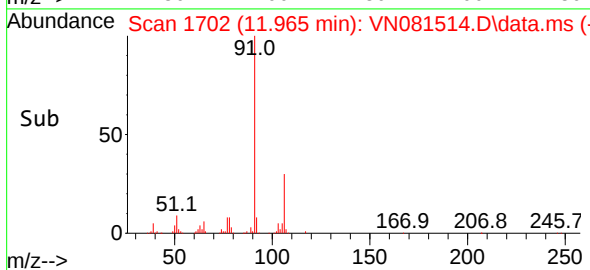
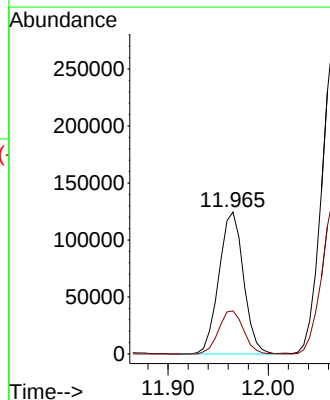
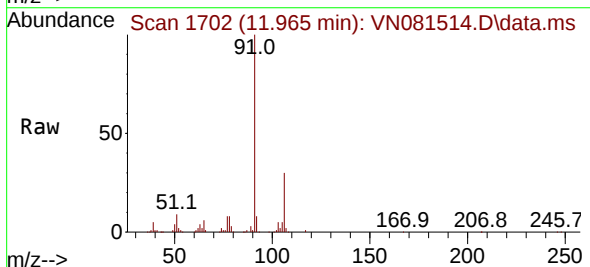
Instrument :
MSVOA_N
ClientSampleId :
50296DL

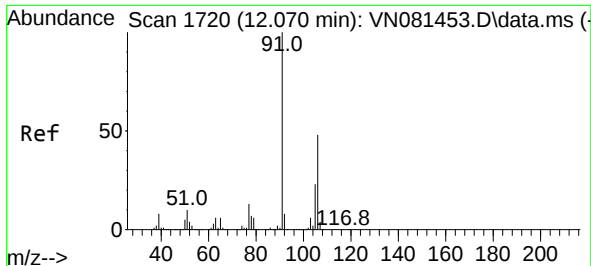
Tgt Ion:117 Resp: 682376
Ion Ratio Lower Upper
117 100
82 53.1 52.7 79.1
119 32.2 25.3 37.9



#67
Ethyl Benzene
Concen: 7.568 ug/l
RT: 11.965 min Scan# 1702
Delta R.T. 0.000 min
Lab File: VN081514.D
Acq: 21 Mar 2024 13:03

Tgt Ion: 91 Resp: 212060
Ion Ratio Lower Upper
91 100
106 30.4 23.8 35.6

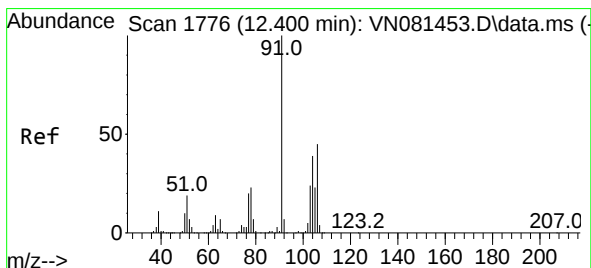
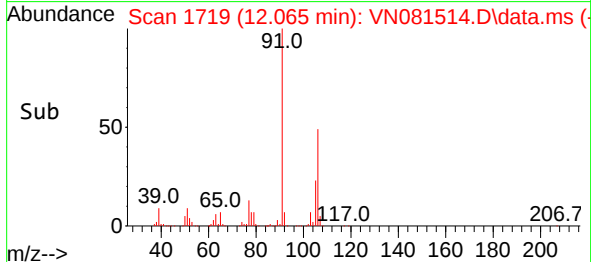
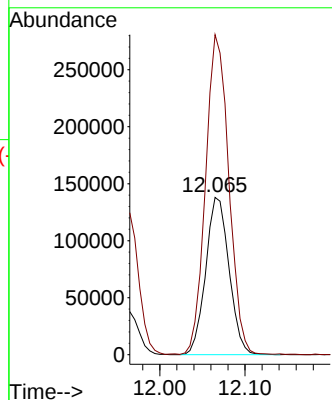
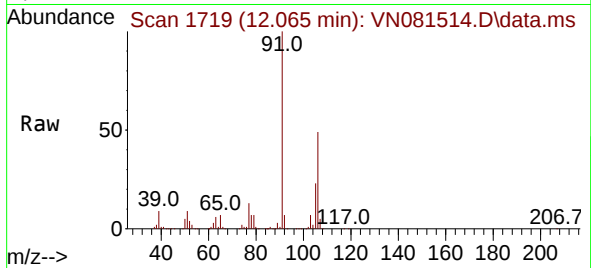




#68
m/p-Xylenes
Concen: 24.997 ug/l
RT: 12.065 min Scan# 1719
Delta R.T. -0.006 min
Lab File: VN081514.D
Acq: 21 Mar 2024 13:03

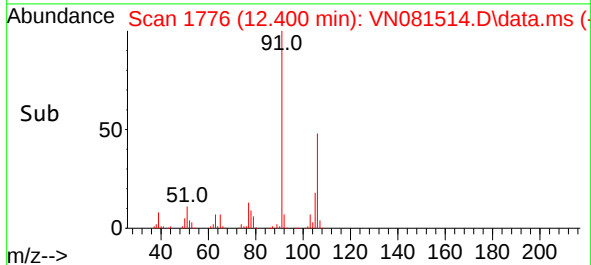
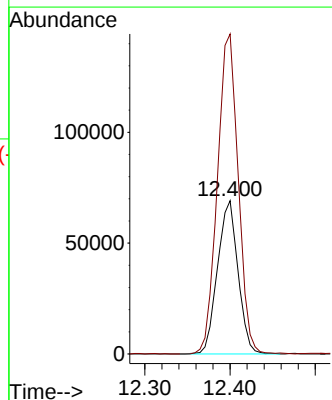
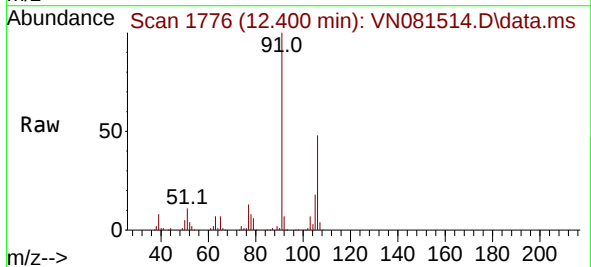
Instrument :
MSVOA_N
ClientSampleId :
50296DL

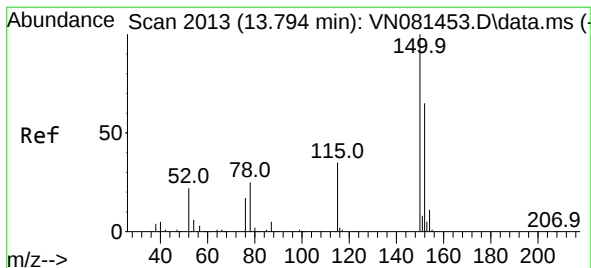
Tgt Ion:106 Resp: 262592
Ion Ratio Lower Upper
106 100
91 202.2 169.0 253.6



#69
o-Xylene
Concen: 11.221 ug/l
RT: 12.400 min Scan# 1776
Delta R.T. 0.000 min
Lab File: VN081514.D
Acq: 21 Mar 2024 13:03

Tgt Ion:106 Resp: 115722
Ion Ratio Lower Upper
106 100
91 212.2 112.1 336.3





#72

1,4-Dichlorobenzene-d4

Concen: 50.000 ug/l

RT: 13.794 min Scan# 2013

Delta R.T. 0.000 min

Lab File: VN081514.D

Acq: 21 Mar 2024 13:03

Instrument :

MSVOA_N

ClientSampleId :

50296DL

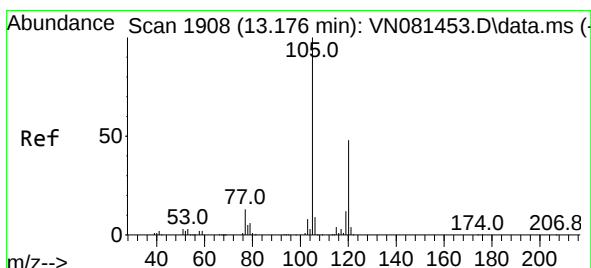
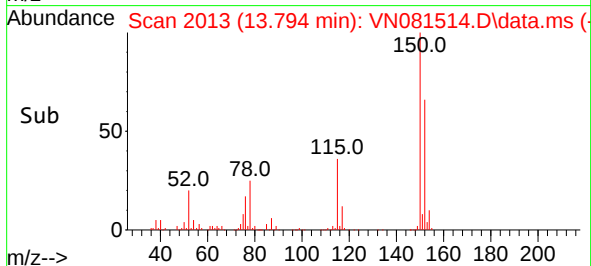
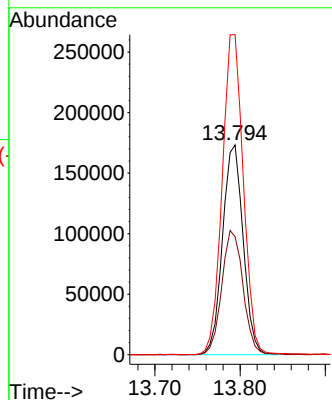
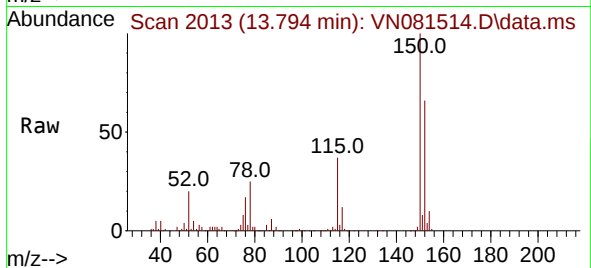
Tgt Ion:152 Resp: 291577

Ion Ratio Lower Upper

152 100

115 61.2 32.3 96.8

150 156.4 0.0 339.8



#80

1,3,5-Trimethylbenzene

Concen: 0.790 ug/l m

RT: 13.176 min Scan# 1908

Delta R.T. 0.000 min

Lab File: VN081514.D

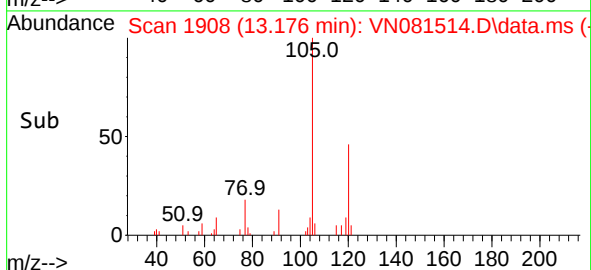
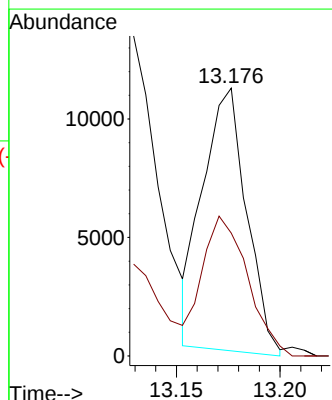
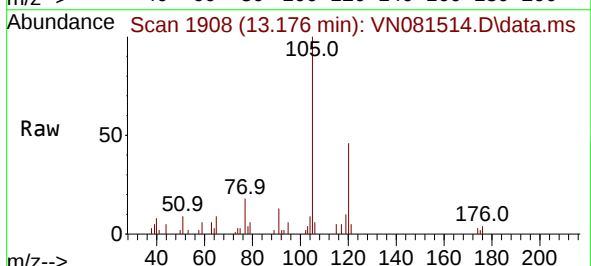
Acq: 21 Mar 2024 13:03

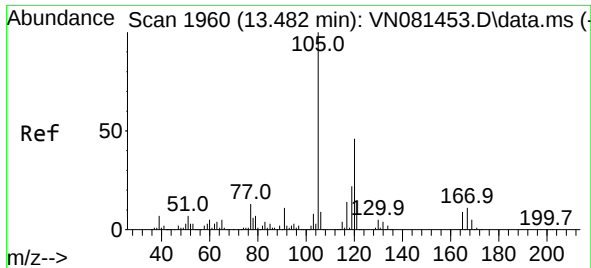
Tgt Ion:105 Resp: 16221

Ion Ratio Lower Upper

105 100

120 0.0 23.0 69.0#





#84
 1,2,4-Trimethylbenzene
 Concen: 3.526 ug/l
 RT: 13.482 min Scan# 1960
 Delta R.T. 0.000 min
 Lab File: VN081514.D
 Acq: 21 Mar 2024 13:03

Instrument :
 MSVOA_N
 ClientSampleId :
 50296DL

Tgt Ion:105 Resp: 72760
 Ion Ratio Lower Upper
 105 100
 120 44.6 20.9 62.7

