

Data Path : Z:\voasrv\HPCHEM1\MSVOA_N\Data\VN032124\
 Data File : VN081516.D
 Acq On : 21 Mar 2024 13:50
 Operator : JC\MD
 Sample : P1799-04DL 20X
 Misc : 5.0mL/MSVOA_N/WATER
 ALS Vial : 9 Sample Multiplier: 1

Instrument :
 MSVOA_N
 ClientSampleId :
 50298DL

Quant Time: Mar 22 05:05:50 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)

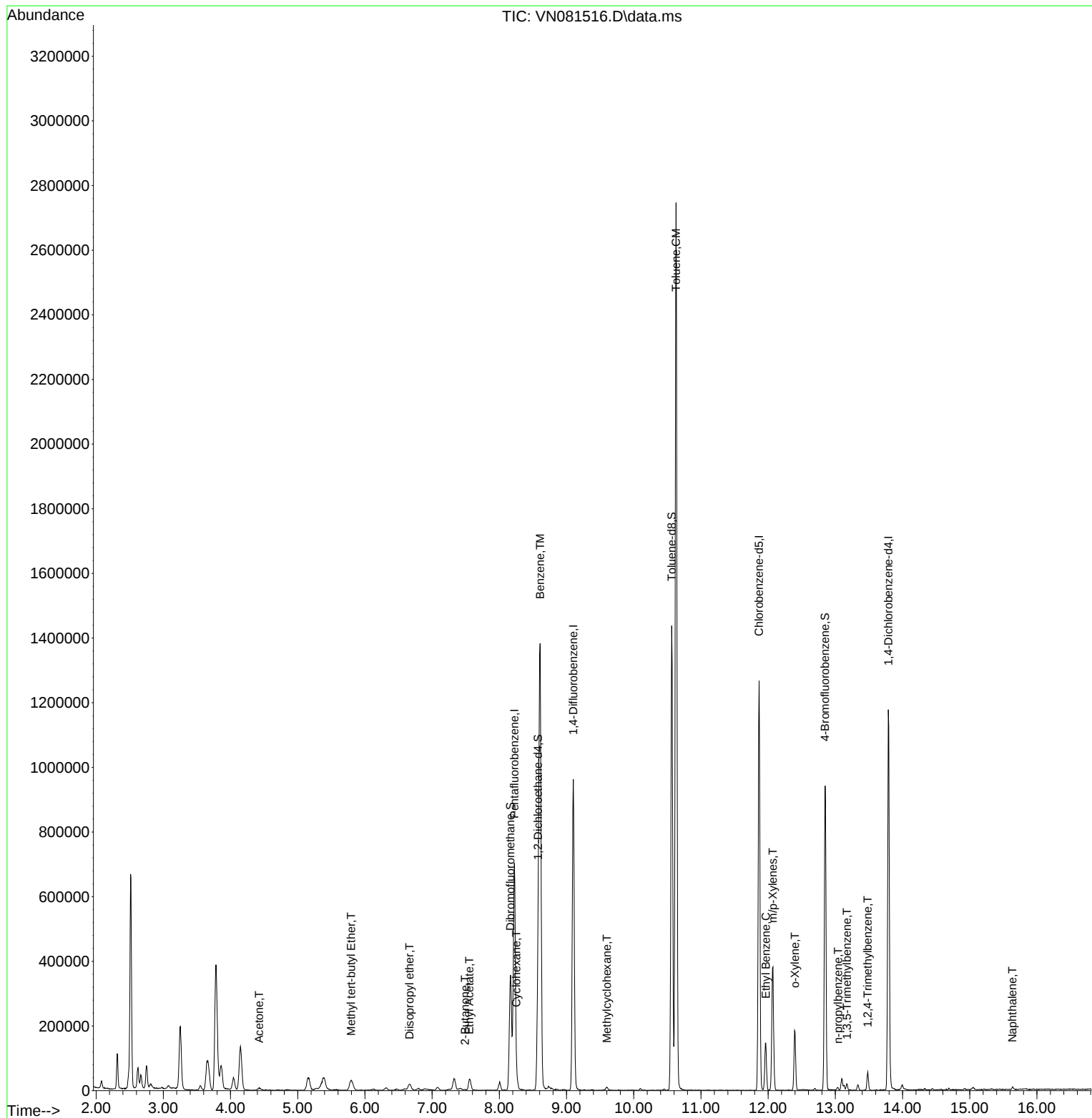
Internal Standards						
1) Pentafluorobenzene	8.224	168	502802	50.000	ug/l	0.00
34) 1,4-Difluorobenzene	9.100	114	856586	50.000	ug/l	0.00
63) Chlorobenzene-d5	11.865	117	742258	50.000	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.788	152	314729	50.000	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	8.577	65	301060	46.952	ug/l	0.00
Spiked Amount 50.000	Range 74 - 125		Recovery =	93.900%		
35) Dibromofluoromethane	8.165	113	258387	47.797	ug/l	0.00
Spiked Amount 50.000	Range 75 - 124		Recovery =	95.600%		
50) Toluene-d8	10.565	98	1000408	51.193	ug/l	0.00
Spiked Amount 50.000	Range 86 - 113		Recovery =	102.380%		
62) 4-Bromofluorobenzene	12.847	95	328805	47.751	ug/l	0.00
Spiked Amount 50.000	Range 64 - 133		Recovery =	95.500%		
Target Compounds					Qvalue	
16) Acetone	4.424	43	8447	4.076	ug/l	93
19) Methyl tert-butyl Ether	5.795	73	44101	2.375	ug/l #	75
22) Diisopropyl ether	6.665	45	15725	0.910	ug/l #	91
25) 2-Butanone	7.489	43	3465	0.975	ug/l	91
31) Cyclohexane	8.253	56	27736	2.658	ug/l #	74
37) Ethyl Acetate	7.553	43	51490	6.610	ug/l #	90
39) Methylcyclohexane	9.600	83	4428	0.436	ug/l #	83
40) Benzene	8.606	78	1378951	51.845	ug/l	96
52) Toluene	10.630	92	1201493	71.073	ug/l	100
67) Ethyl Benzene	11.965	91	112538	3.692	ug/l	99
68) m/p-Xylenes	12.071	106	129627	11.344	ug/l	89
69) o-Xylene	12.400	106	54523	4.860	ug/l	90
78) n-propylbenzene	13.041	91	7480	0.236	ug/l	91
80) 1,3,5-Trimethylbenzene	13.171	105	9354	0.422	ug/l	100
84) 1,2,4-Trimethylbenzene	13.482	105	30191	1.356	ug/l	94
95) Naphthalene	15.635	128	7286	0.332	ug/l	97

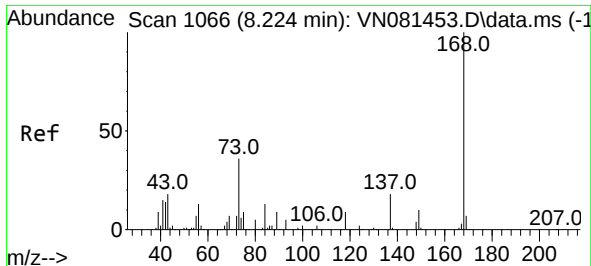
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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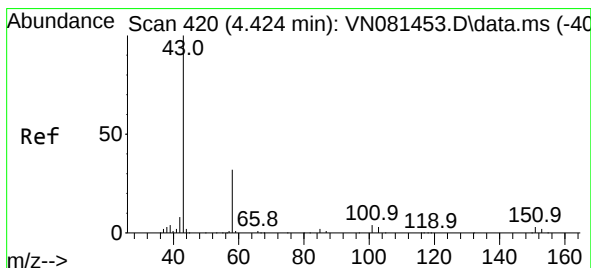
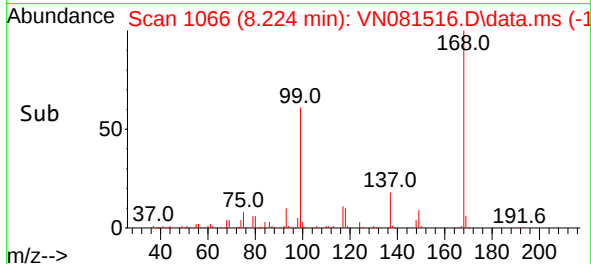
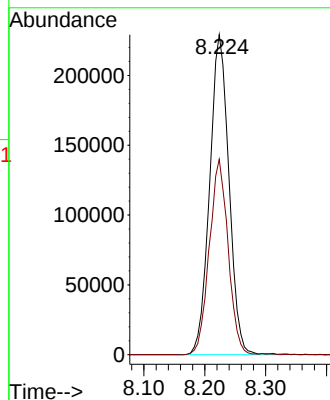
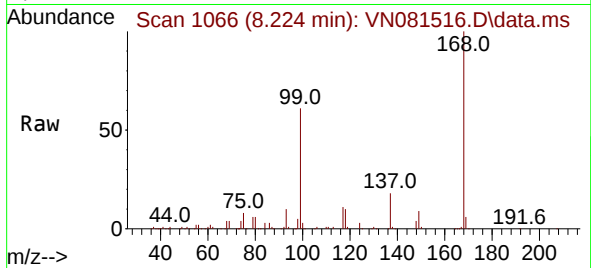




#1
Pentafluorobenzene
Concen: 50.000 ug/l
RT: 8.224 min Scan# 1066
Delta R.T. -0.000 min
Lab File: VN081516.D
Acq: 21 Mar 2024 13:50

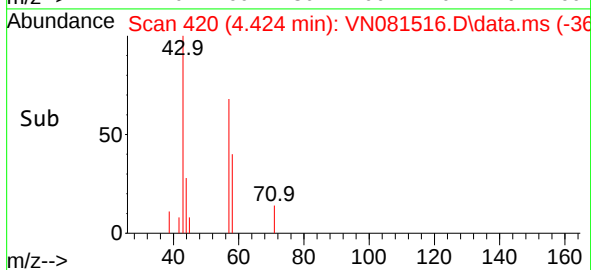
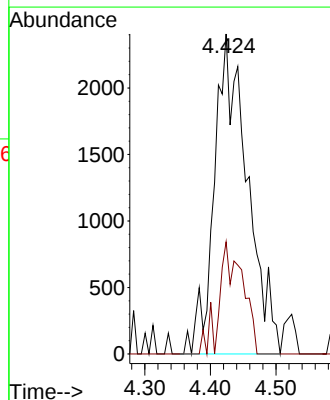
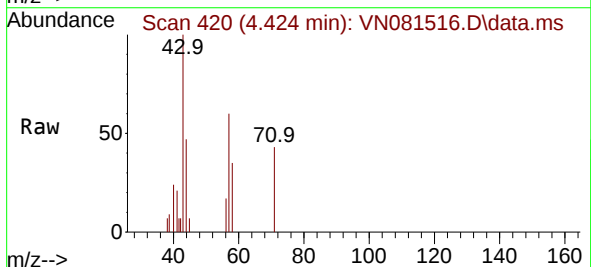
Instrument :
MSVOA_N
ClientSampleId :
50298DL

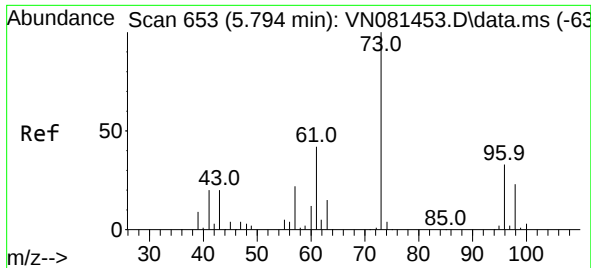
Tgt Ion:168 Resp: 502802
Ion Ratio Lower Upper
168 100
99 61.1 59.9 89.9



#16
Acetone
Concen: 4.076 ug/l
RT: 4.424 min Scan# 420
Delta R.T. 0.000 min
Lab File: VN081516.D
Acq: 21 Mar 2024 13:50

Tgt Ion: 43 Resp: 8447
Ion Ratio Lower Upper
43 100
58 35.1 24.8 37.2

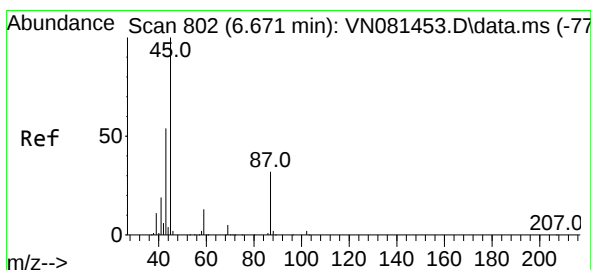
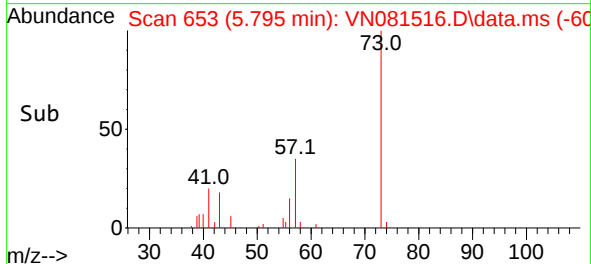
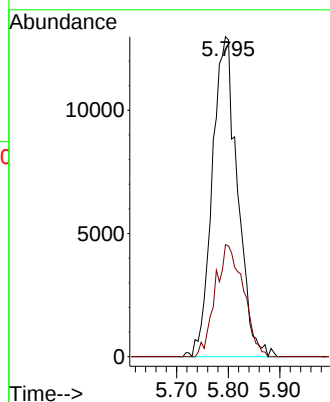
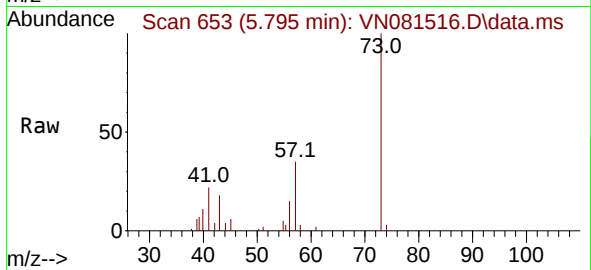




#19
Methyl tert-butyl Ether
Concen: 2.375 ug/l
RT: 5.795 min Scan# 61
Delta R.T. 0.000 min
Lab File: VN081516.D
Acq: 21 Mar 2024 13:50

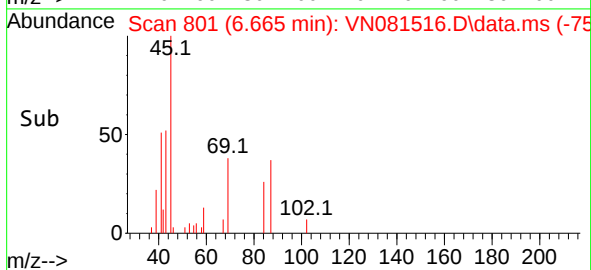
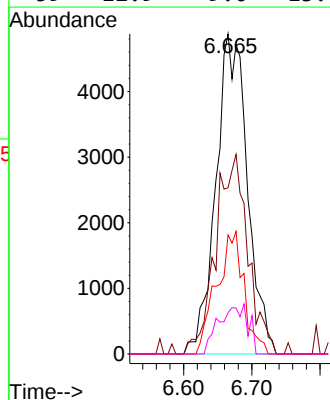
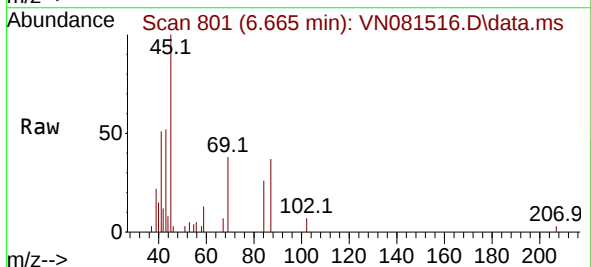
Instrument :
MSVOA_N
ClientSampleId :
50298DL

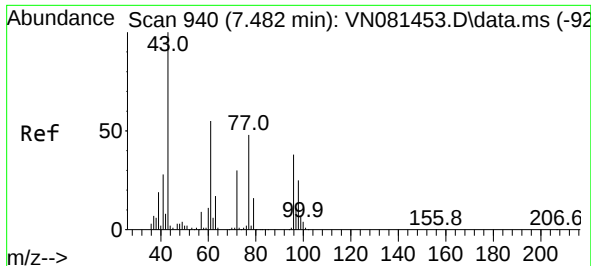
Tgt Ion: 73 Resp: 44101
Ion Ratio Lower Upper
73 100
57 35.0 18.2 27.4#



#22
Diisopropyl ether
Concen: 0.910 ug/l
RT: 6.665 min Scan# 801
Delta R.T. -0.006 min
Lab File: VN081516.D
Acq: 21 Mar 2024 13:50

Tgt Ion: 45 Resp: 15725
Ion Ratio Lower Upper
45 100
43 52.0 41.8 62.8
87 37.2 18.1 27.1#
59 12.9 9.0 13.6





#25

2-Butanone

Concen: 0.975 ug/l

RT: 7.489 min Scan# 941

Delta R.T. 0.006 min

Lab File: VN081516.D

Acq: 21 Mar 2024 13:50

Instrument :

MSVOA_N

ClientSampleId :

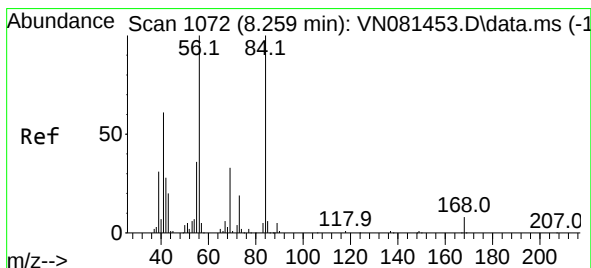
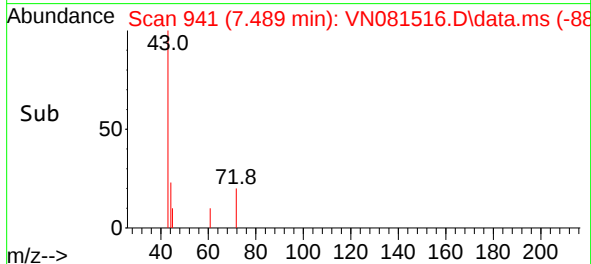
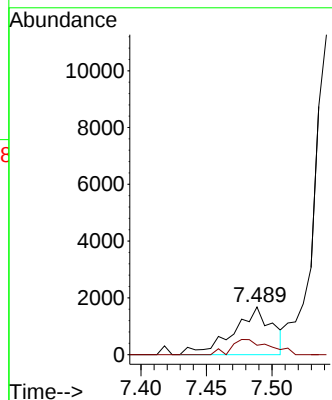
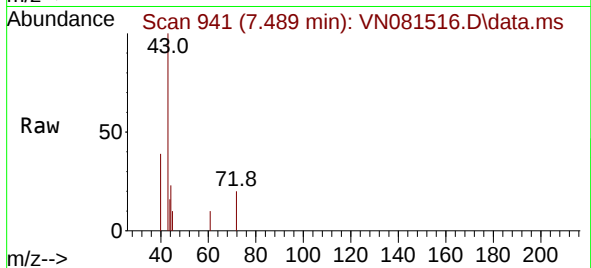
50298DL

Tgt Ion: 43 Resp: 3465

Ion Ratio Lower Upper

43 100

72 19.9 19.5 29.3



#31

Cyclohexane

Concen: 2.658 ug/l

RT: 8.253 min Scan# 1071

Delta R.T. -0.006 min

Lab File: VN081516.D

Acq: 21 Mar 2024 13:50

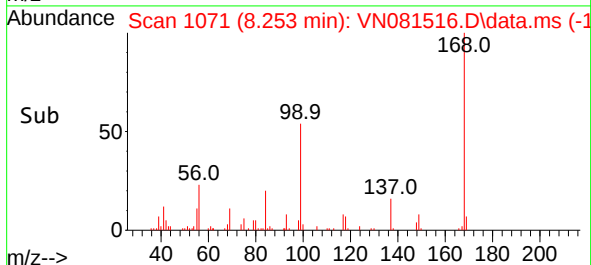
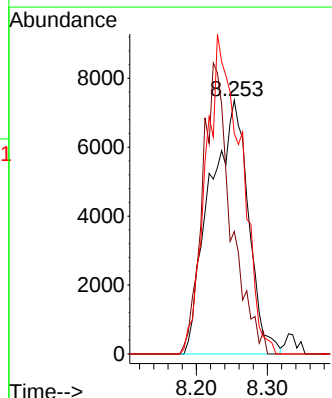
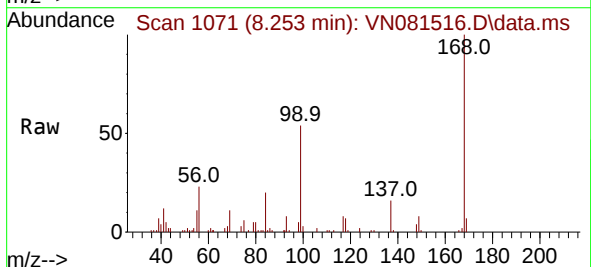
Tgt Ion: 56 Resp: 27736

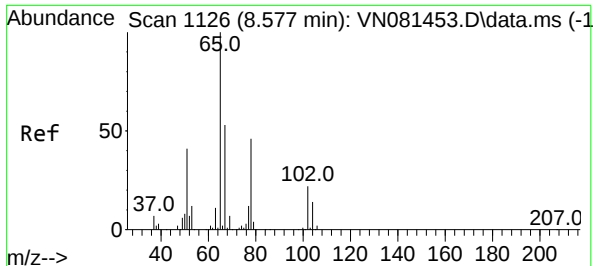
Ion Ratio Lower Upper

56 100

69 48.3 20.1 30.1#

84 87.0 56.9 85.3#





#33

1,2-Dichloroethane-d4

Concen: 46.952 ug/l

RT: 8.577 min Scan# 1126

Delta R.T. 0.000 min

Lab File: VN081516.D

Acq: 21 Mar 2024 13:50

Instrument :

MSVOA_N

ClientSampleId :

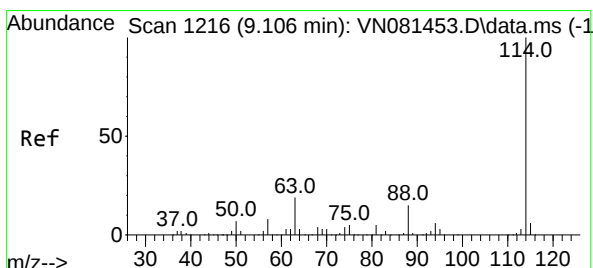
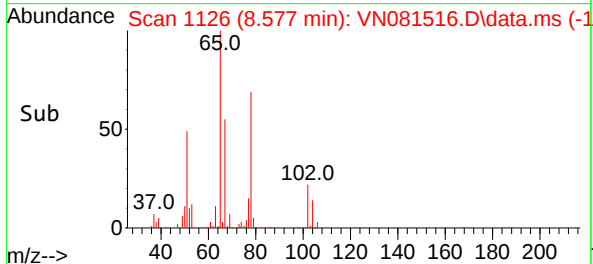
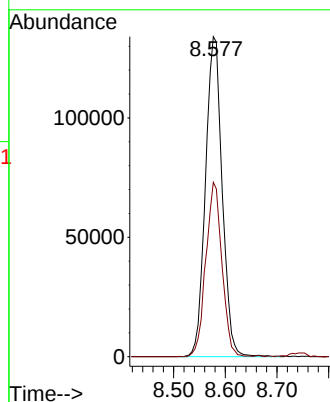
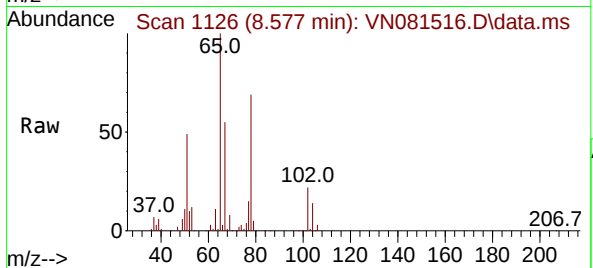
50298DL

Tgt Ion: 65 Resp: 301060

Ion Ratio Lower Upper

65 100

67 52.6 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: VN081516.D

Acq: 21 Mar 2024 13:50

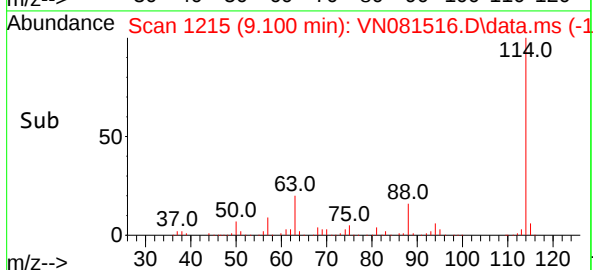
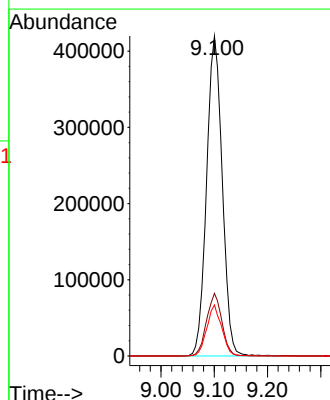
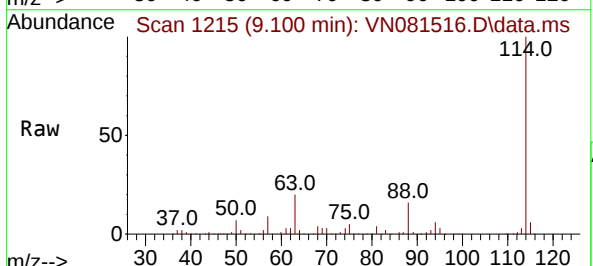
Tgt Ion: 114 Resp: 856586

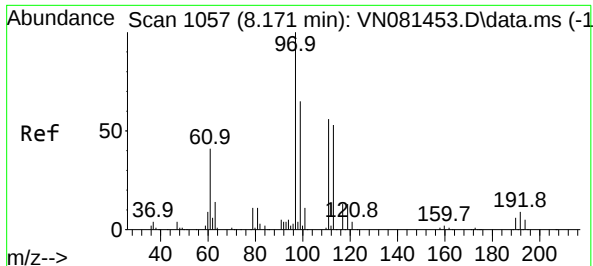
Ion Ratio Lower Upper

114 100

63 19.5 0.0 48.0

88 16.0 0.0 34.8





#35

Dibromofluoromethane

Concen: 47.797 ug/l

RT: 8.165 min Scan# 1

Delta R.T. -0.006 min

Lab File: VN081516.D

Acq: 21 Mar 2024 13:50

Instrument :

MSVOA_N

ClientSampleId :

50298DL

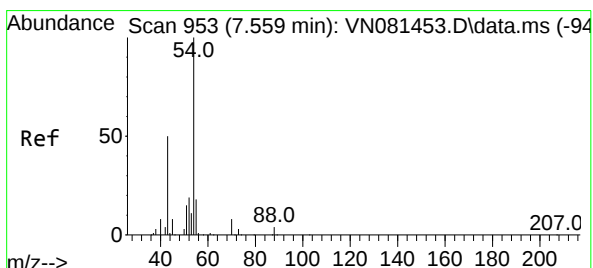
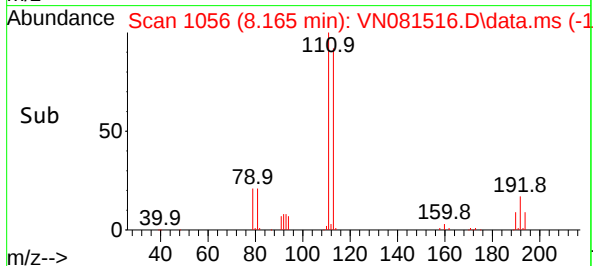
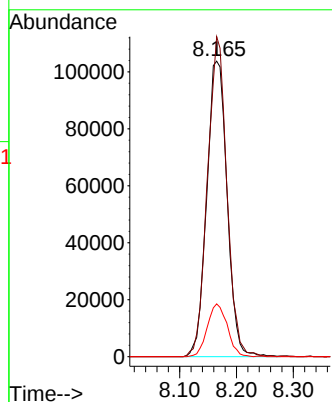
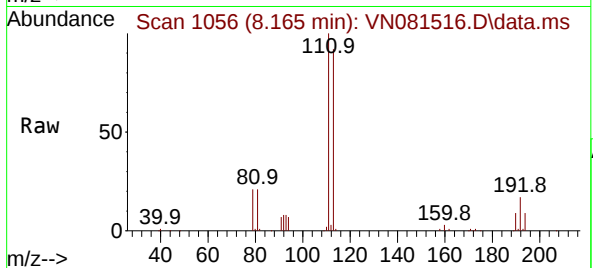
Tgt Ion:113 Resp: 258387

Ion Ratio Lower Upper

113 100

111 102.9 82.2 123.4

192 17.5 12.5 18.7



#37

Ethyl Acetate

Concen: 6.610 ug/l

RT: 7.553 min Scan# 952

Delta R.T. -0.006 min

Lab File: VN081516.D

Acq: 21 Mar 2024 13:50

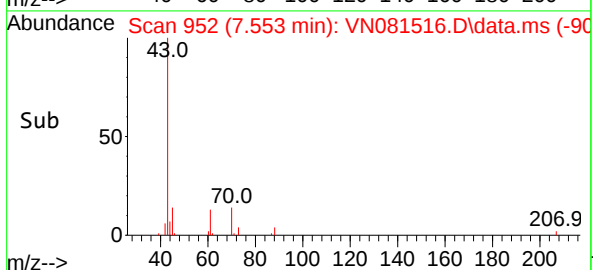
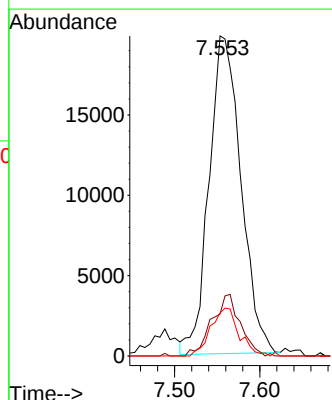
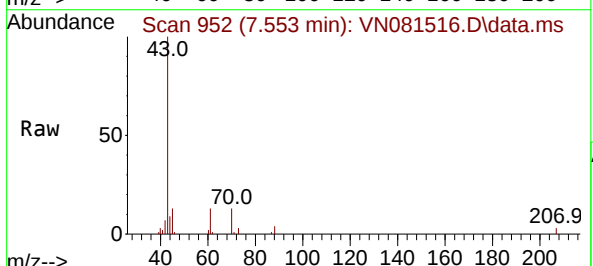
Tgt Ion: 43 Resp: 51490

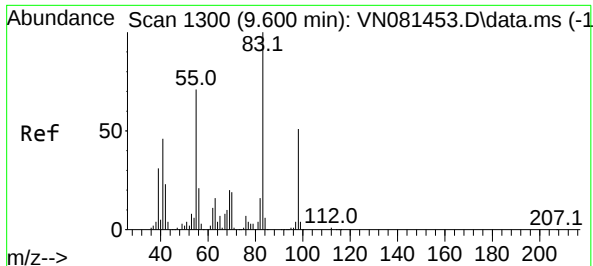
Ion Ratio Lower Upper

43 100

61 17.2 10.6 15.8#

70 13.3 8.0 12.0#

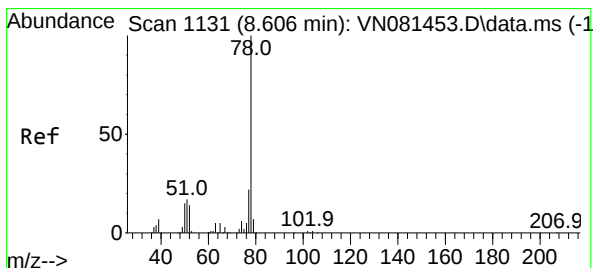
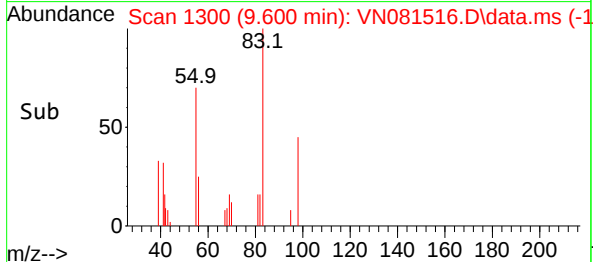
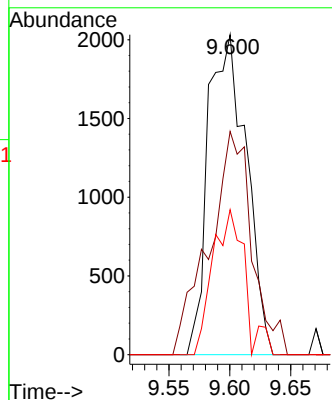
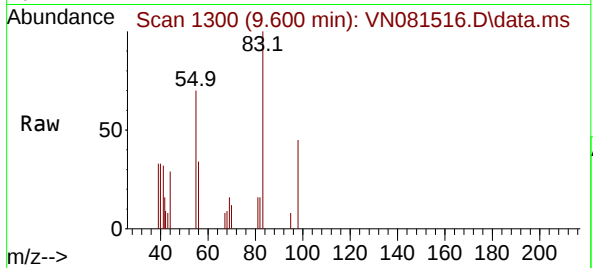




#39
Methylcyclohexane
Concen: 0.436 ug/l
RT: 9.600 min Scan# 11300
Delta R.T. 0.000 min
Lab File: VN081516.D
Acq: 21 Mar 2024 13:50

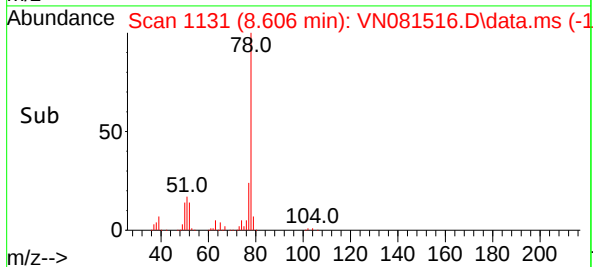
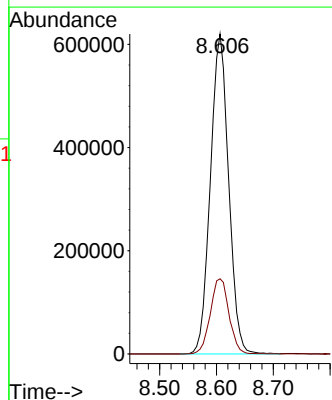
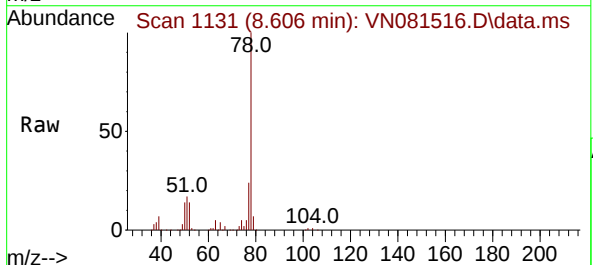
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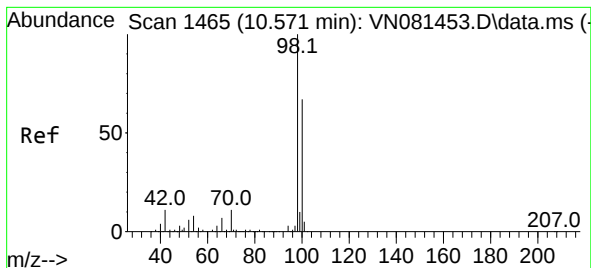
Tgt Ion: 83 Resp: 4428
Ion Ratio Lower Upper
83 100
55 60.8 65.7 98.5#
98 45.3 33.8 50.6



#40
Benzene
Concen: 51.845 ug/l
RT: 8.606 min Scan# 1131
Delta R.T. 0.000 min
Lab File: VN081516.D
Acq: 21 Mar 2024 13:50

Tgt Ion: 78 Resp: 1378951
Ion Ratio Lower Upper
78 100
77 23.5 20.4 30.6





#50

Toluene-d8

Concen: 51.193 ug/l

RT: 10.565 min Scan# 1464

Delta R.T. -0.006 min

Lab File: VN081516.D

Acq: 21 Mar 2024 13:50

Instrument :

MSVOA_N

ClientSampleId :

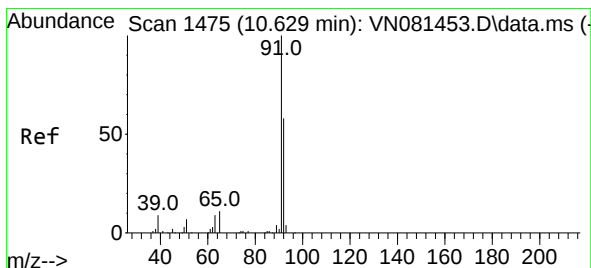
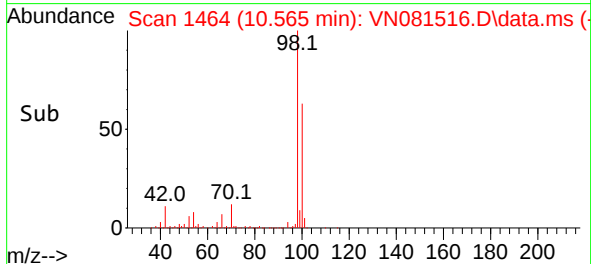
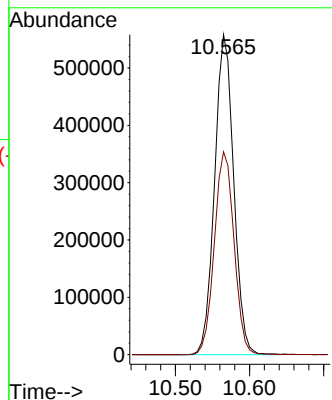
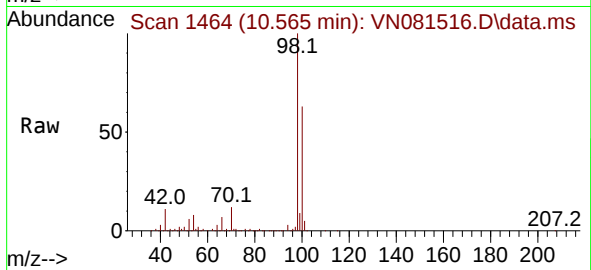
50298DL

Tgt Ion: 98 Resp: 1000408

Ion Ratio Lower Upper

98 100

100 65.2 51.4 77.0



#52

Toluene

Concen: 71.073 ug/l

RT: 10.630 min Scan# 1475

Delta R.T. 0.000 min

Lab File: VN081516.D

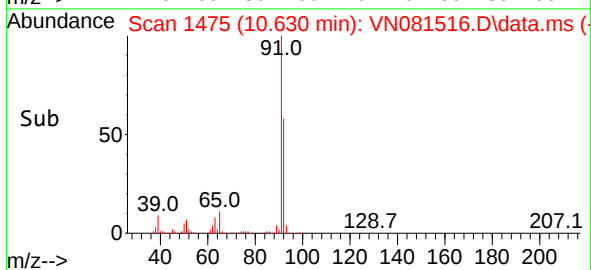
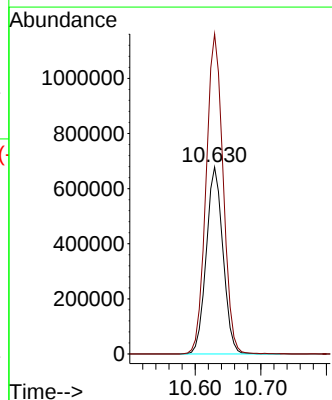
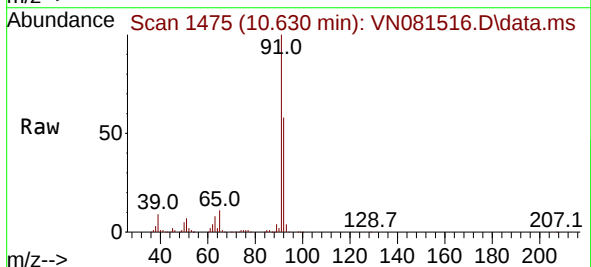
Acq: 21 Mar 2024 13:50

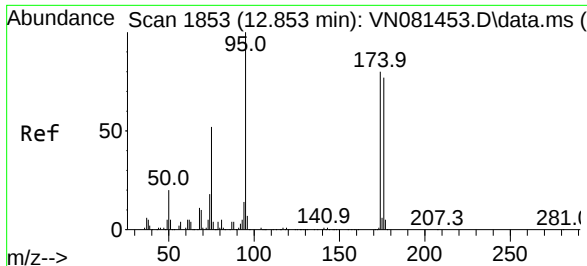
Tgt Ion: 92 Resp: 1201493

Ion Ratio Lower Upper

92 100

91 174.4 139.4 209.0

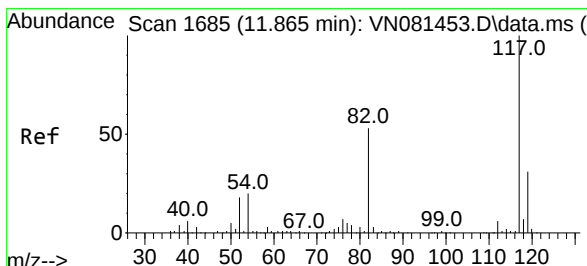
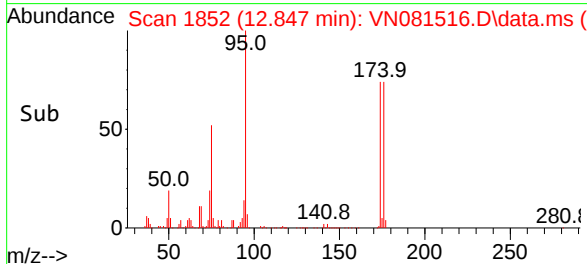
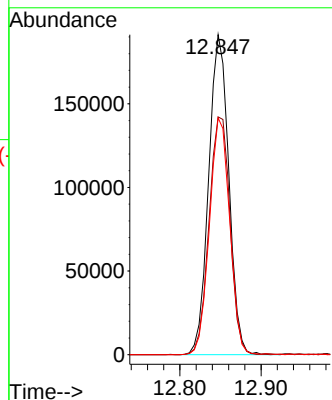
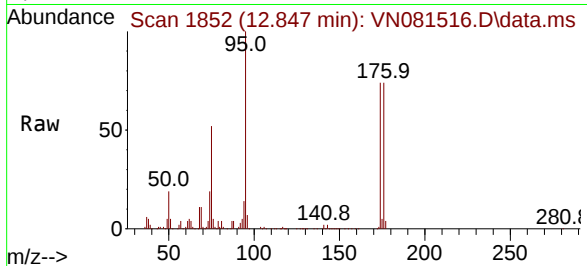




#62
4-Bromofluorobenzene
Concen: 47.751 ug/l
RT: 12.847 min Scan# 1852
Delta R.T. -0.006 min
Lab File: VN081516.D
Acq: 21 Mar 2024 13:50

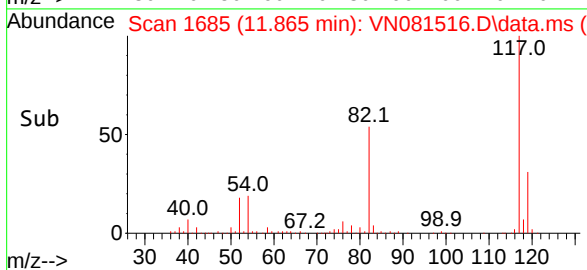
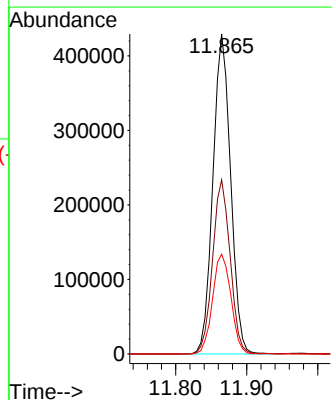
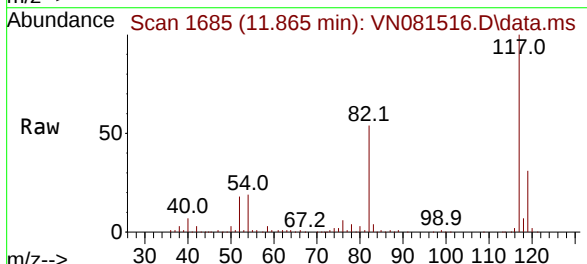
Instrument :
MSVOA_N
ClientSampleId :
50298DL

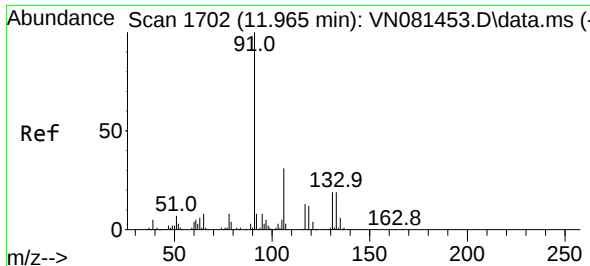
Tgt Ion: 95 Resp: 328805
Ion Ratio Lower Upper
95 100
174 77.7 0.0 120.4
176 74.6 0.0 121.0



#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 11.865 min Scan# 1685
Delta R.T. 0.000 min
Lab File: VN081516.D
Acq: 21 Mar 2024 13:50

Tgt Ion: 117 Resp: 742258
Ion Ratio Lower Upper
117 100
82 54.4 52.7 79.1
119 31.2 25.3 37.9

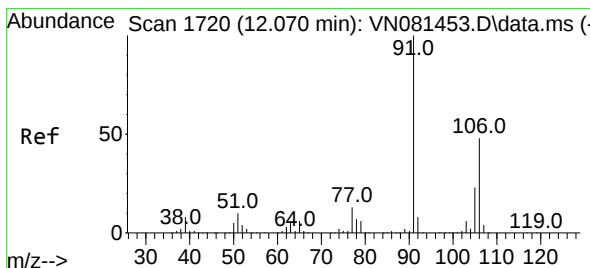
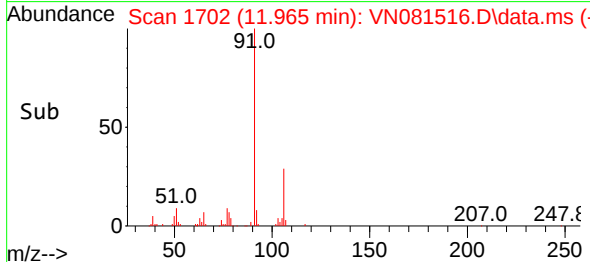
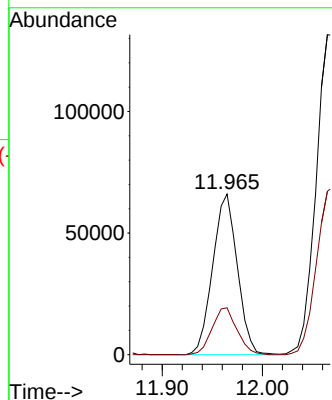
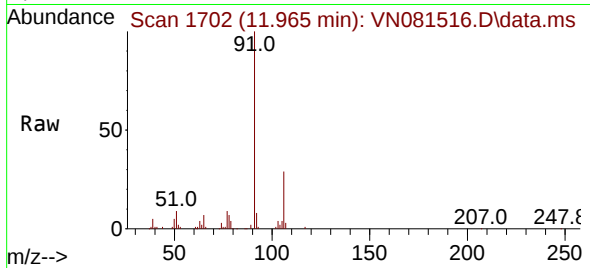




#67
Ethyl Benzene
Concen: 3.692 ug/l
RT: 11.965 min Scan# 1702
Delta R.T. 0.000 min
Lab File: VN081516.D
Acq: 21 Mar 2024 13:50

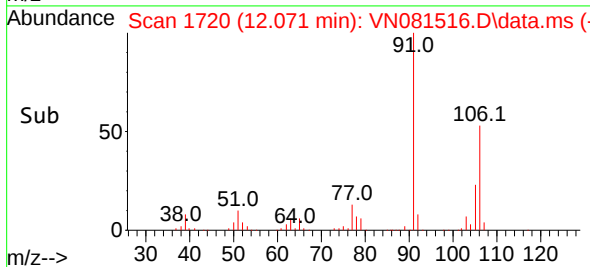
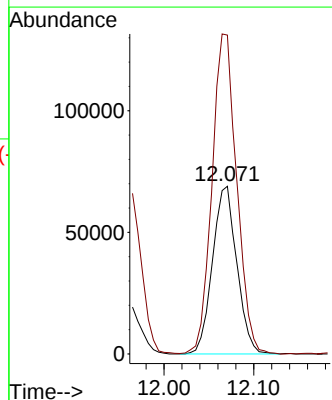
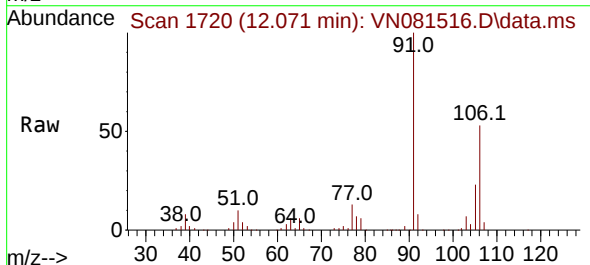
Instrument :
MSVOA_N
ClientSampleId :
50298DL

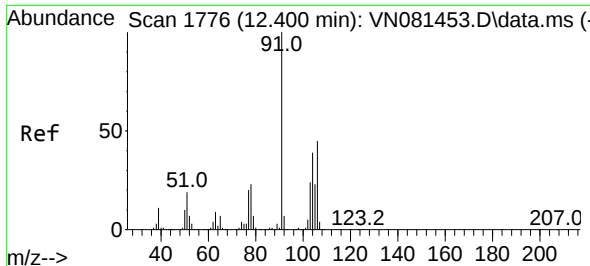
Tgt Ion: 91 Resp: 112538
Ion Ratio Lower Upper
91 100
106 29.2 23.8 35.6



#68
m/p-Xylenes
Concen: 11.344 ug/l
RT: 12.071 min Scan# 1720
Delta R.T. 0.000 min
Lab File: VN081516.D
Acq: 21 Mar 2024 13:50

Tgt Ion:106 Resp: 129627
Ion Ratio Lower Upper
106 100
91 194.1 169.0 253.6

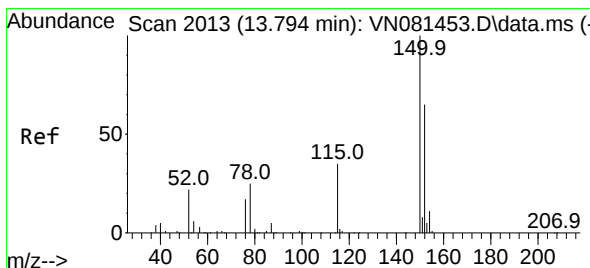
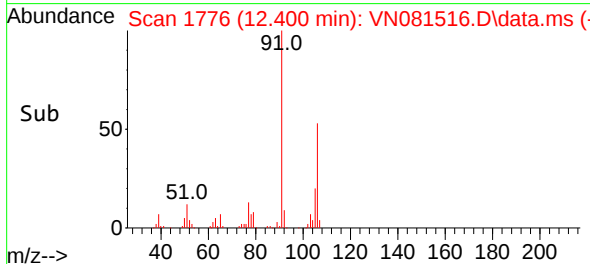
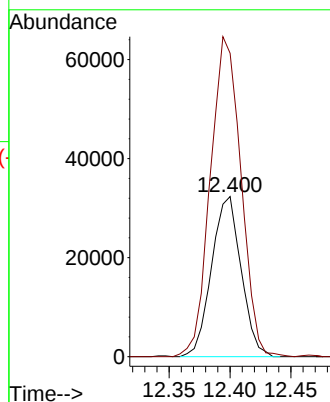
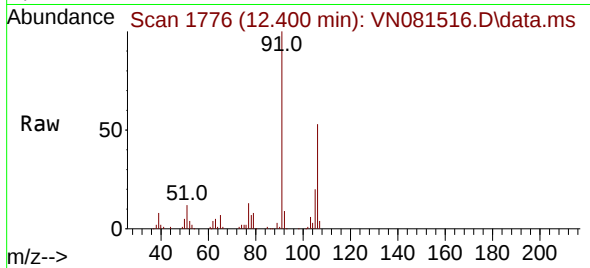




#69
o-Xylene
Concen: 4.860 ug/l
RT: 12.400 min Scan# 11
Delta R.T. 0.000 min
Lab File: VN081516.D
Acq: 21 Mar 2024 13:50

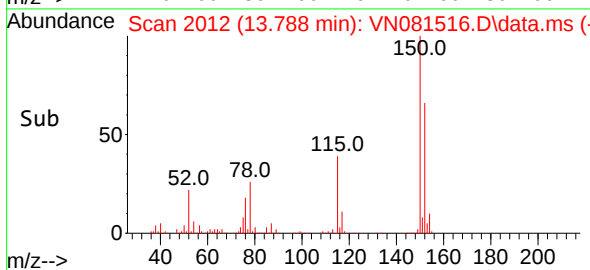
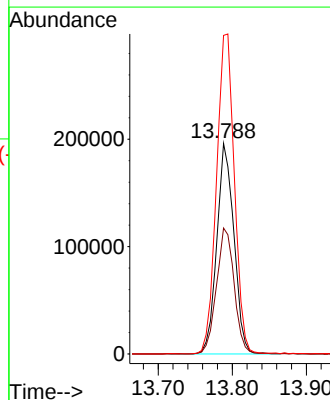
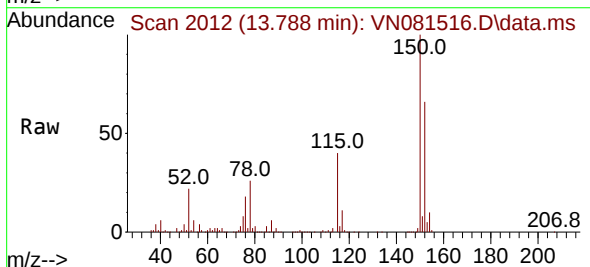
Instrument :
MSVOA_N
ClientSampleId :
50298DL

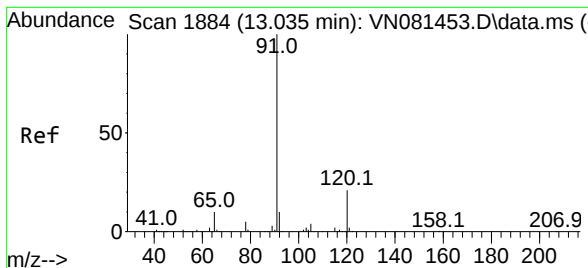
Tgt Ion:106 Resp: 54523
Ion Ratio Lower Upper
106 100
91 207.3 112.1 336.3



#72
1,4-Dichlorobenzene-d4
Concen: 50.000 ug/l
RT: 13.788 min Scan# 2012
Delta R.T. -0.006 min
Lab File: VN081516.D
Acq: 21 Mar 2024 13:50

Tgt Ion:152 Resp: 314729
Ion Ratio Lower Upper
152 100
115 62.0 32.3 96.8
150 159.1 0.0 339.8





#78

n-propylbenzene

Concen: 0.236 ug/l

RT: 13.041 min Scan# 11

Delta R.T. 0.006 min

Lab File: VN081516.D

Acq: 21 Mar 2024 13:50

Instrument :

MSVOA_N

ClientSampleId :

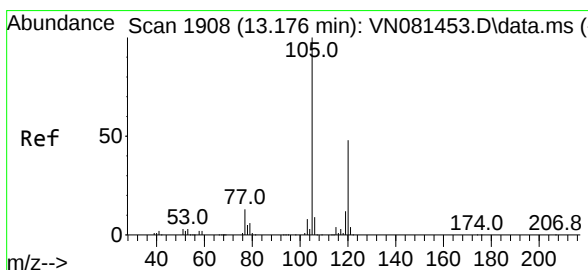
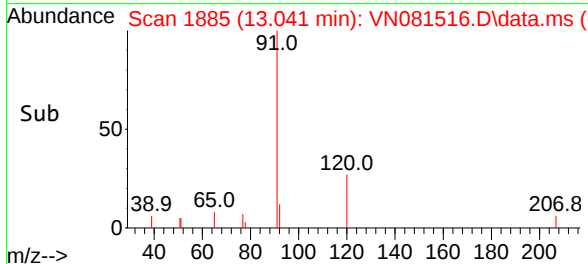
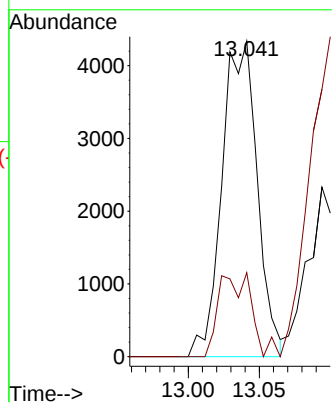
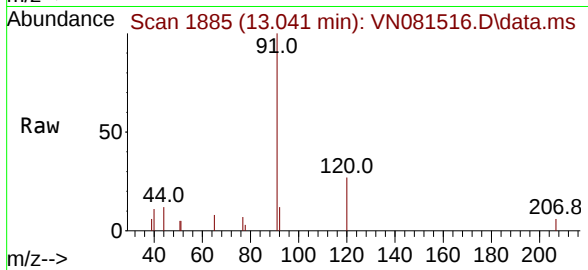
50298DL

Tgt Ion: 91 Resp: 7480

Ion Ratio Lower Upper

91 100

120 24.6 10.3 30.9



#80

1,3,5-Trimethylbenzene

Concen: 0.422 ug/l

RT: 13.171 min Scan# 1907

Delta R.T. -0.006 min

Lab File: VN081516.D

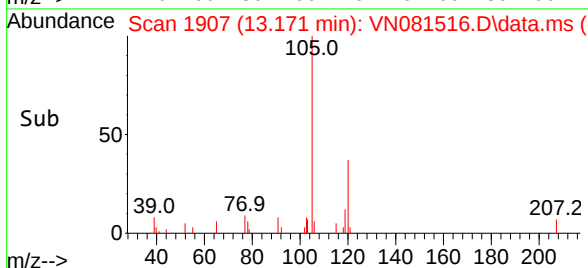
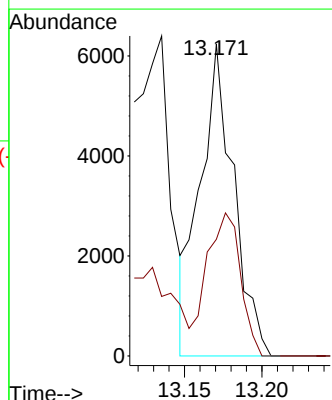
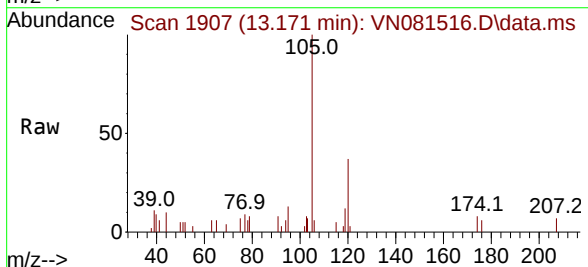
Acq: 21 Mar 2024 13:50

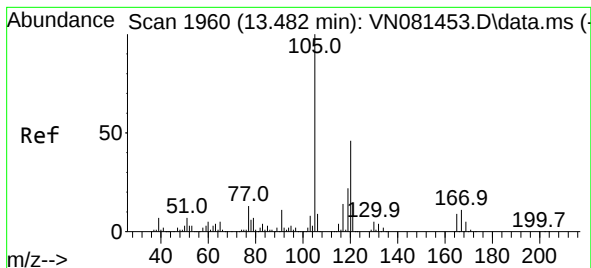
Tgt Ion:105 Resp: 9354

Ion Ratio Lower Upper

105 100

120 46.1 23.0 69.0





#84

1,2,4-Trimethylbenzene

Concen: 1.356 ug/l

RT: 13.482 min Scan# 1960

Delta R.T. 0.000 min

Lab File: VN081516.D

Acq: 21 Mar 2024 13:50

Instrument :

MSVOA_N

ClientSampleId :

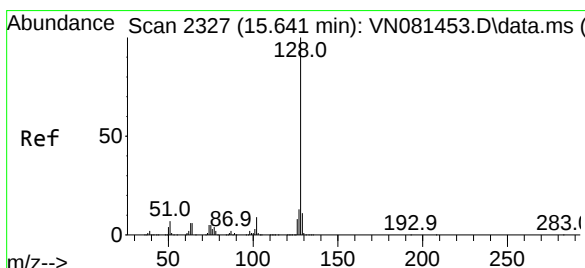
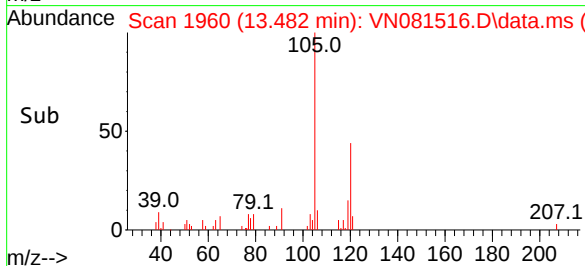
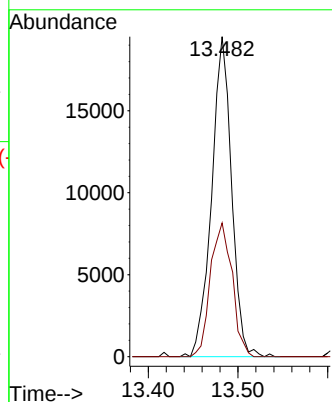
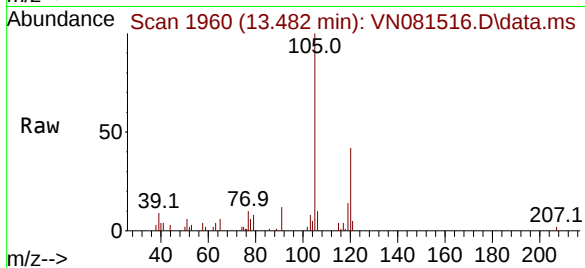
50298DL

Tgt Ion:105 Resp: 30191

Ion Ratio Lower Upper

105 100

120 45.3 20.9 62.7



#95

Naphthalene

Concen: 0.332 ug/l

RT: 15.635 min Scan# 2326

Delta R.T. -0.006 min

Lab File: VN081516.D

Acq: 21 Mar 2024 13:50

Tgt Ion:128 Resp: 7286

Ion Ratio Lower Upper

128 100

127 13.3 10.0 15.0

129 9.6 8.7 13.1

