

Data Path : Z:\voasrv\HPCHEM1\MSVOA_N\Data\VN011822\
 Data File : VN070679.D
 Acq On : 18 Jan 2022 21:06
 Operator : JC/MD
 Sample : N1148-02DL 10X
 Misc : 5.00mL/MSVOA_N/WATER
 ALS Vial : 21 Sample Multiplier: 1

Instrument :
 MSVOA_N
 ClientSampleId :
 MW-29RDL

Quant Time: Jan 19 03:41:46 2022
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA_N\methods\82N011822W.M
 Quant Title : SW846 8260
 QLast Update : Tue Jan 18 13:32:07 2022
 Response via : Initial Calibration

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

Internal Standards						
1) Pentafluorobenzene	8.086	168	1072951	50.000	ug/l	0.00
34) 1,4-Difluorobenzene	8.968	114	1708240	50.000	ug/l	0.00
63) Chlorobenzene-d5	11.744	117	1514152	50.000	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.675	152	543111	50.000	ug/l	0.00

System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	8.437	65	692680	45.046	ug/l	0.00
Spiked Amount	50.000	Range	61 - 141	Recovery	=	90.100%
35) Dibromofluoromethane	8.021	113	488451	46.097	ug/l	0.00
Spiked Amount	50.000	Range	69 - 133	Recovery	=	92.200%
50) Toluene-d8	10.440	98	2126816	47.644	ug/l	0.00
Spiked Amount	50.000	Range	65 - 126	Recovery	=	95.280%
62) 4-Bromofluorobenzene	12.731	95	688457	43.280	ug/l	0.00
Spiked Amount	50.000	Range	58 - 135	Recovery	=	86.560%

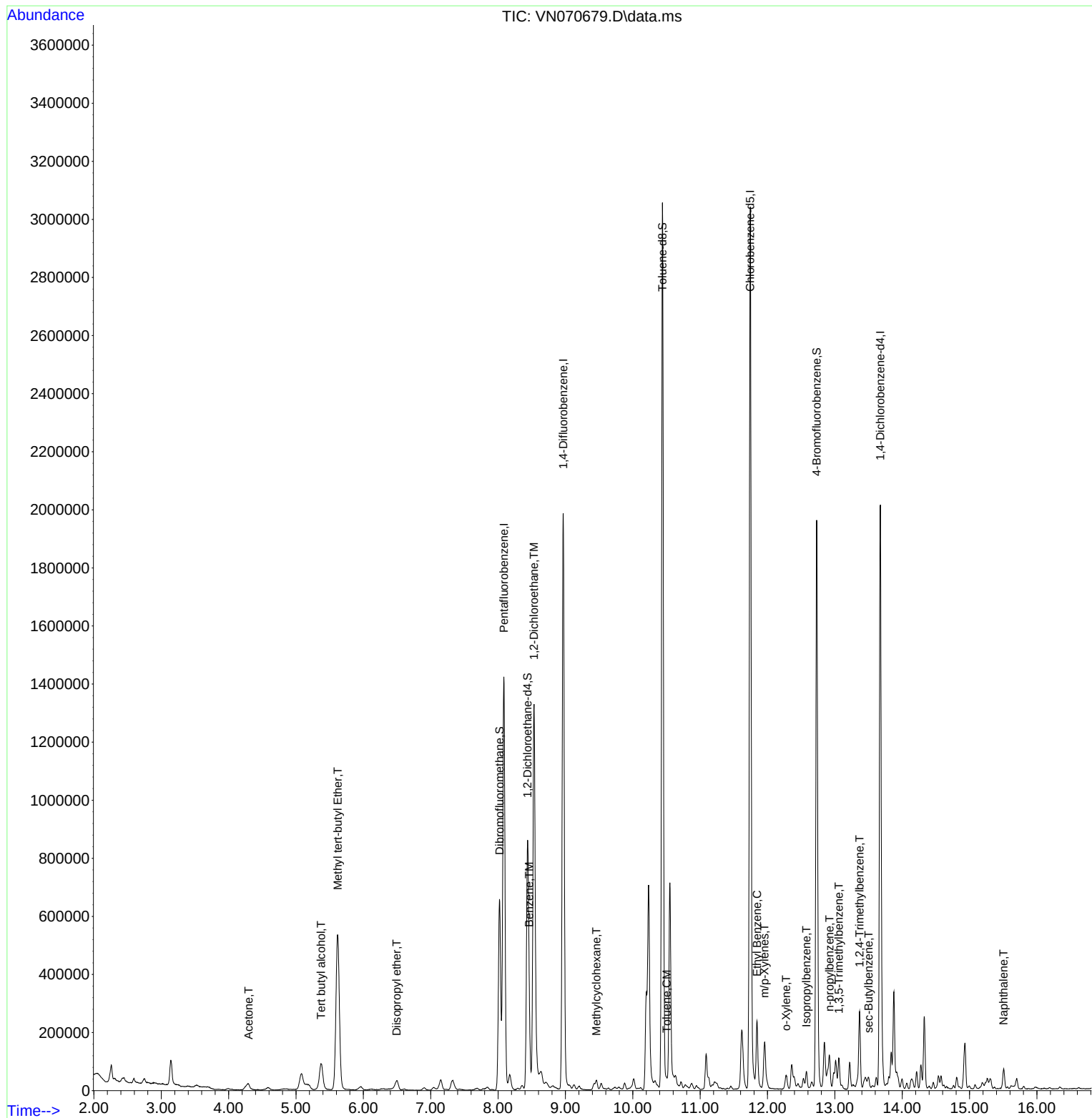
Target Compounds						Qvalue
11) Tert butyl alcohol	5.371	59	175739	63.347	ug/l #	82
16) Acetone	4.296	43	36854	3.453	ug/l	98
19) Methyl tert-butyl Ether	5.618	73	826042	19.480	ug/l #	85
22) Diisopropyl ether	6.495	45	37959	0.740	ug/l #	88
39) Methylcyclohexane	9.461	83	12268	0.557	ug/l #	79
40) Benzene	8.461	78	155838	2.819	ug/l	98
42) 1,2-Dichloroethane	8.533	62	19140	0.999	ug/l	91
52) Toluene	10.502	92	7482	0.226	ug/l	92
67) Ethyl Benzene	11.843	91	156558	2.574	ug/l	97
68) m/p-Xylenes	11.956	106	38402	1.736	ug/l	90
69) o-Xylene	12.277	106	9427	0.429	ug/l	88
73) Isopropylbenzene	12.578	105	35292	0.687	ug/l	97
78) n-propylbenzene	12.921	91	85392	1.486	ug/l	96
80) 1,3,5-Trimethylbenzene	13.058	105	44051	1.060	ug/l	96
84) 1,2,4-Trimethylbenzene	13.366	105	147607	3.696	ug/l	95
85) sec-Butylbenzene	13.500	105	21255	0.432	ug/l	84
95) Naphthalene	15.504	128	65492	7.044	ug/l	98

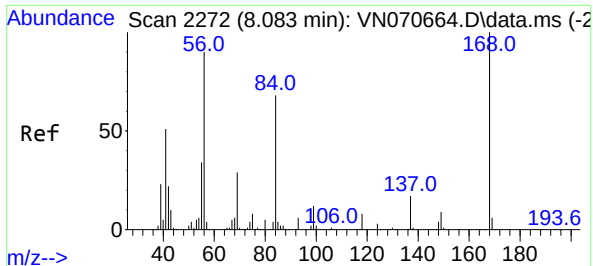
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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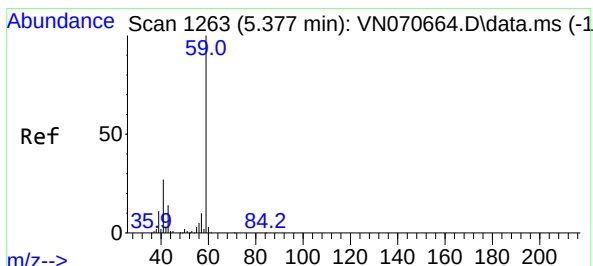
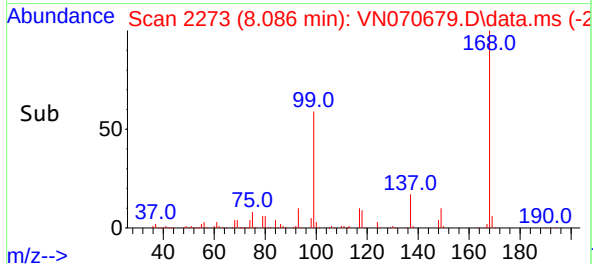
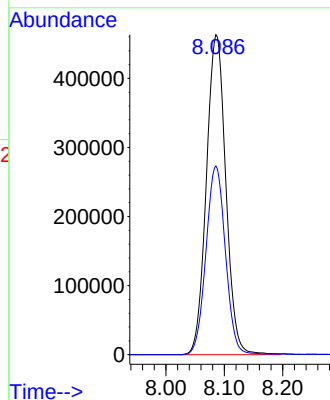
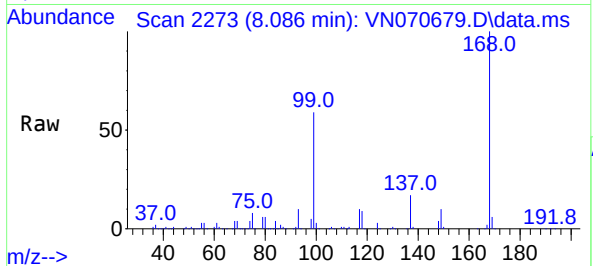




#1
Pentafluorobenzene
Concen: 50.000 ug/l
RT: 8.086 min Scan# 21
Delta R.T. 0.003 min
Lab File: VN070679.D
Acq: 18 Jan 2022 21:06

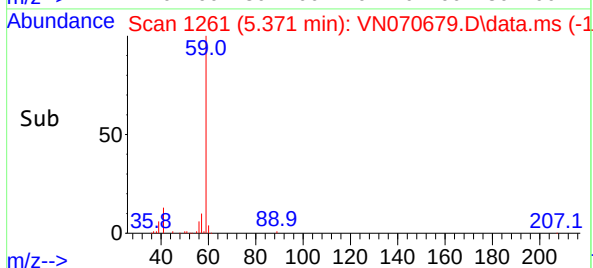
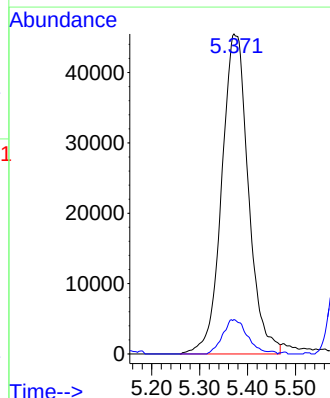
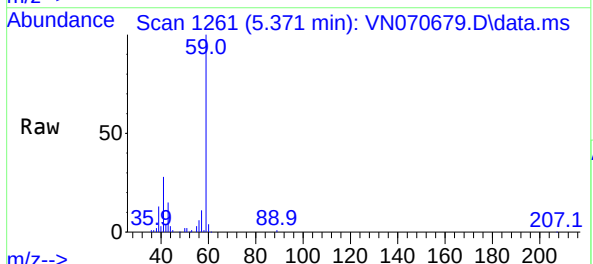
Instrument :
MSVOA_N
ClientSampleId :
MW-29RDL

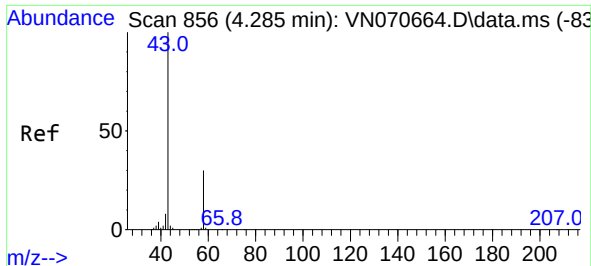
Tgt Ion:168 Resp: 1072951
Ion Ratio Lower Upper
168 100
99 59.0 41.3 61.9



#11
Tert butyl alcohol
Concen: 63.347 ug/l
RT: 5.371 min Scan# 1261
Delta R.T. -0.006 min
Lab File: VN070679.D
Acq: 18 Jan 2022 21:06

Tgt Ion: 59 Resp: 175739
Ion Ratio Lower Upper
59 100
57 4.2 8.7 13.1#

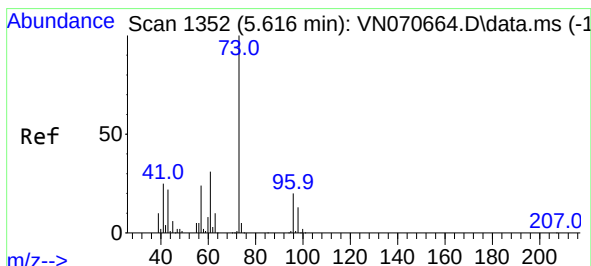
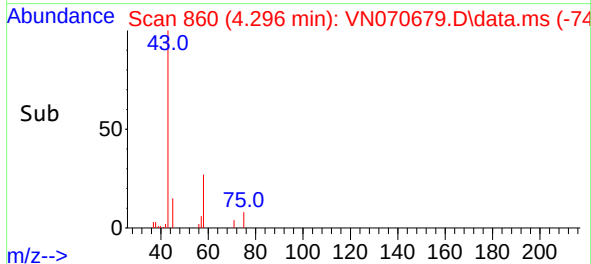
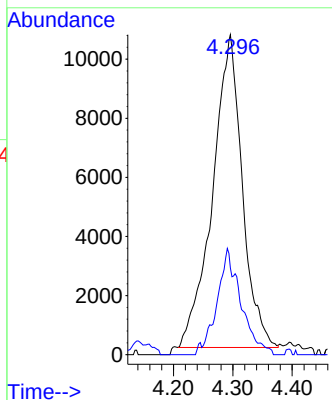
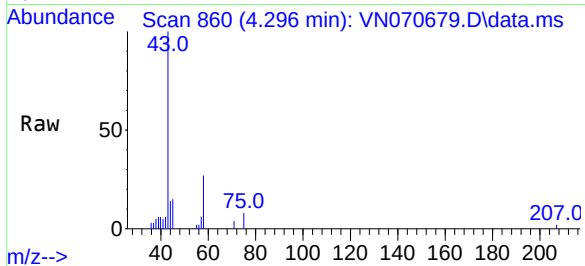




#16
Acetone
Concen: 3.453 ug/l
RT: 4.296 min Scan# 80
Delta R.T. 0.011 min
Lab File: VN070679.D
Acq: 18 Jan 2022 21:06

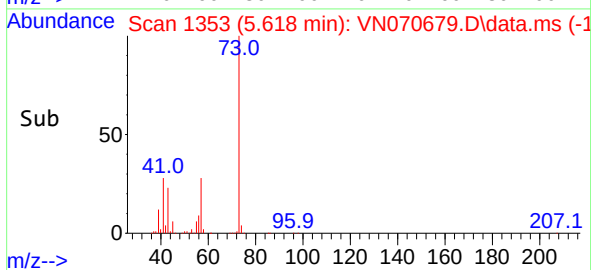
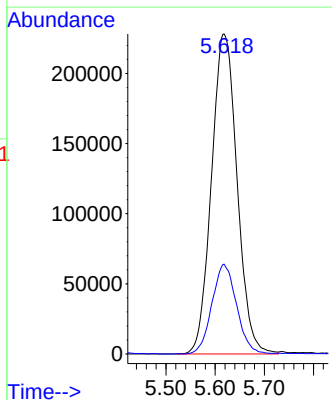
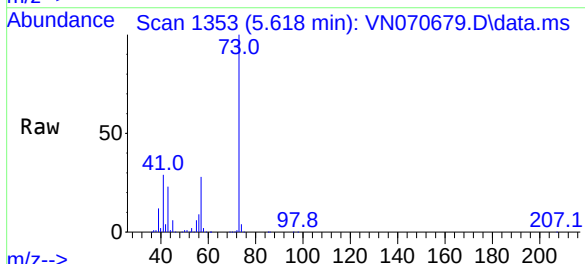
Instrument :
MSVOA_N
ClientSampleId :
MW-29RDL

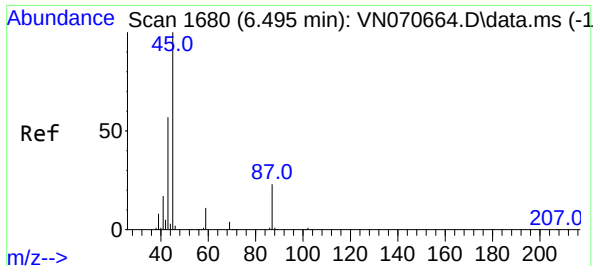
Tgt Ion: 43 Resp: 36854
Ion Ratio Lower Upper
43 100
58 27.8 23.1 34.7



#19
Methyl tert-butyl Ether
Concen: 19.480 ug/l
RT: 5.618 min Scan# 1353
Delta R.T. 0.002 min
Lab File: VN070679.D
Acq: 18 Jan 2022 21:06

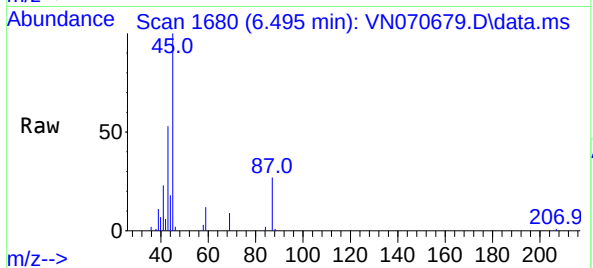
Tgt Ion: 73 Resp: 826042
Ion Ratio Lower Upper
73 100
57 28.0 16.8 25.2#



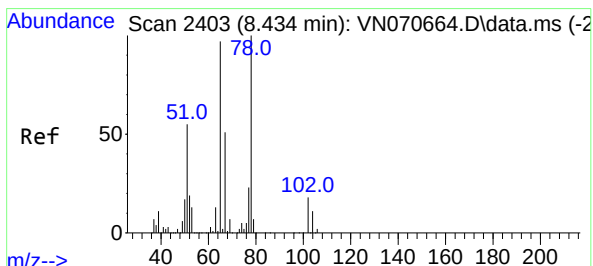
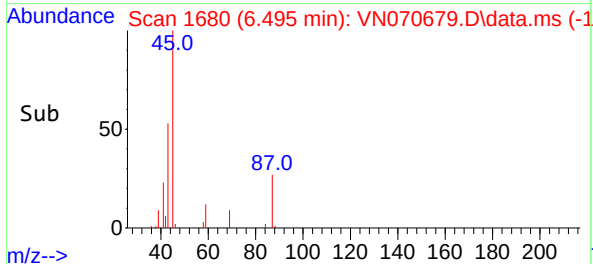
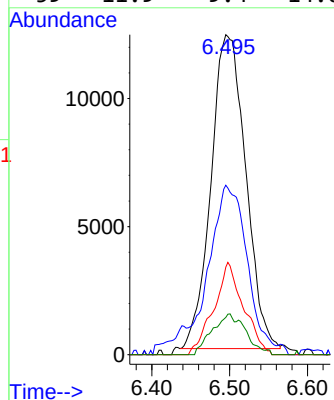


#22
Diisopropyl ether
Concen: 0.740 ug/l
RT: 6.495 min Scan# 1
Delta R.T. 0.000 min
Lab File: VN070679.D
Acq: 18 Jan 2022 21:06

Instrument :
MSVOA_N
ClientSampleId :
MW-29RDL

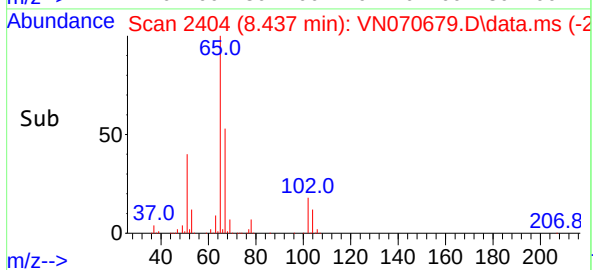
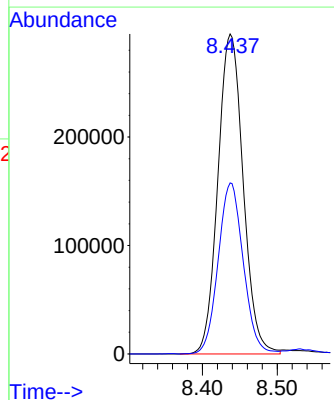
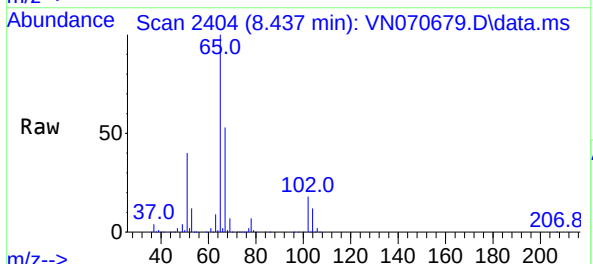


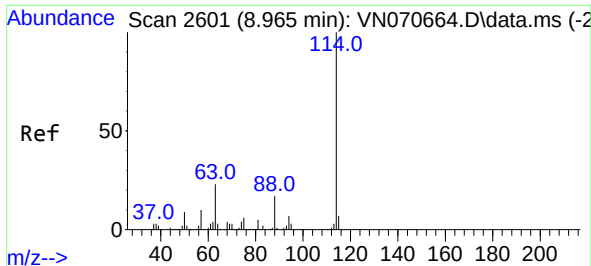
Tgt Ion: 45 Resp: 37959
Ion Ratio Lower Upper
45 100
43 50.7 51.7 77.5#
87 27.9 23.2 34.8
59 11.9 9.4 14.0



#33
1,2-Dichloroethane-d4
Concen: 45.046 ug/l
RT: 8.437 min Scan# 2404
Delta R.T. 0.003 min
Lab File: VN070679.D
Acq: 18 Jan 2022 21:06

Tgt Ion: 65 Resp: 692680
Ion Ratio Lower Upper
65 100
67 53.1 0.0 103.0

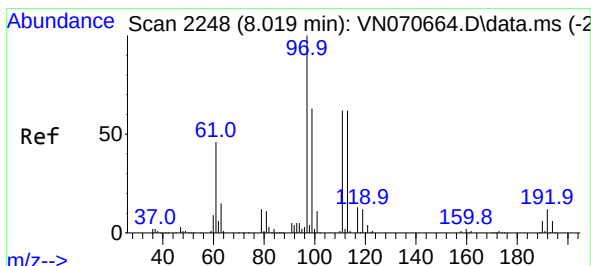
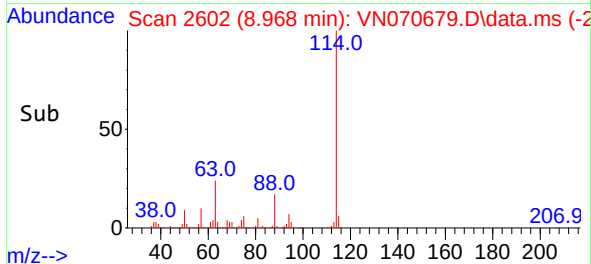
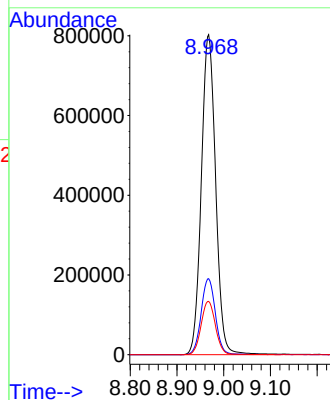
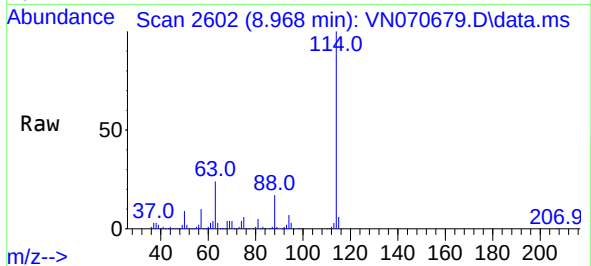




#34
1,4-Difluorobenzene
Concen: 50.000 ug/l
RT: 8.968 min Scan# 2601
Delta R.T. 0.003 min
Lab File: VN070679.D
Acq: 18 Jan 2022 21:06

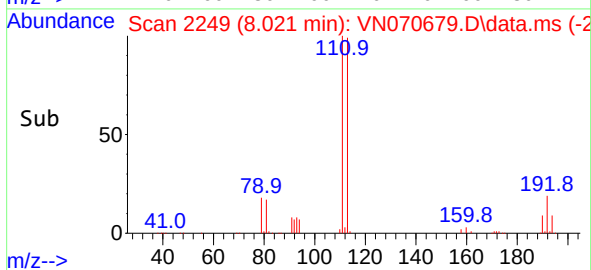
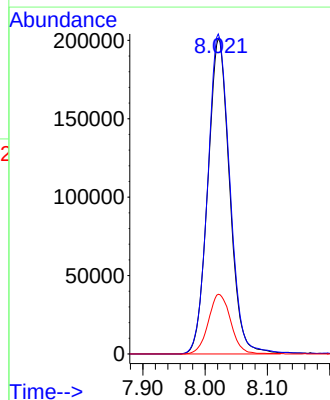
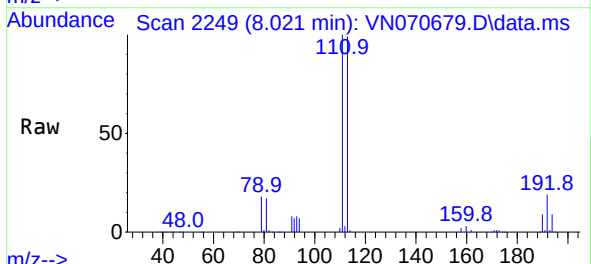
Instrument :
MSVOA_N
ClientSampleId :
MW-29RDL

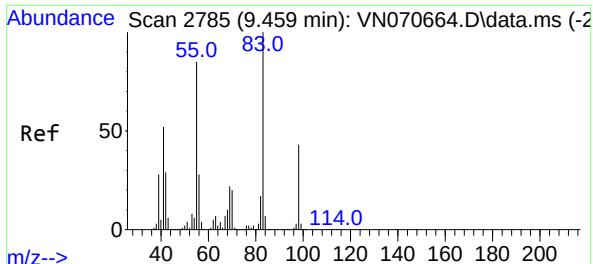
Tgt Ion:114 Resp: 1708240
Ion Ratio Lower Upper
114 100
63 23.8 0.0 37.8
88 16.6 0.0 27.4



#35
Dibromofluoromethane
Concen: 46.097 ug/l
RT: 8.021 min Scan# 2249
Delta R.T. 0.002 min
Lab File: VN070679.D
Acq: 18 Jan 2022 21:06

Tgt Ion:113 Resp: 488451
Ion Ratio Lower Upper
113 100
111 103.2 82.2 123.2
192 19.3 16.9 25.3





#39

Methylcyclohexane

Concen: 0.557 ug/l

RT: 9.461 min Scan# 21

Delta R.T. 0.002 min

Lab File: VN070679.D

Acq: 18 Jan 2022 21:06

Instrument :

MSVOA_N

ClientSampleId :

MW-29RDL

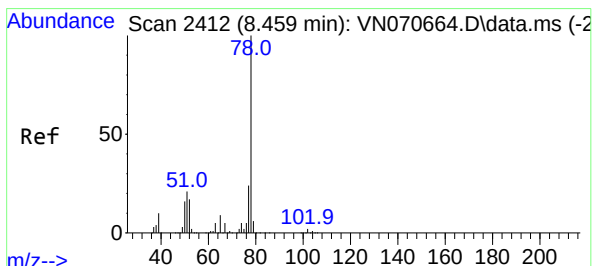
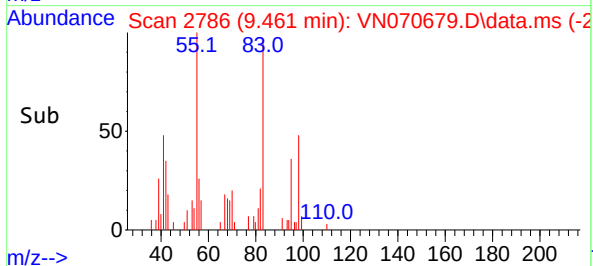
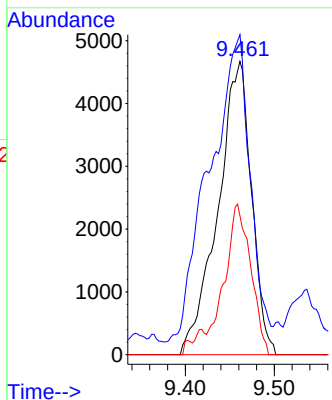
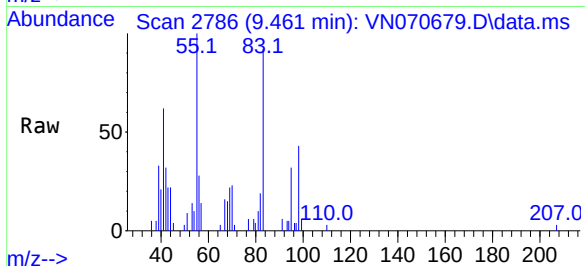
Tgt Ion: 83 Resp: 12268

Ion Ratio Lower Upper

83 100

55 101.9 58.1 87.1#

98 47.3 38.4 57.6



#40

Benzene

Concen: 2.819 ug/l

RT: 8.461 min Scan# 2413

Delta R.T. 0.002 min

Lab File: VN070679.D

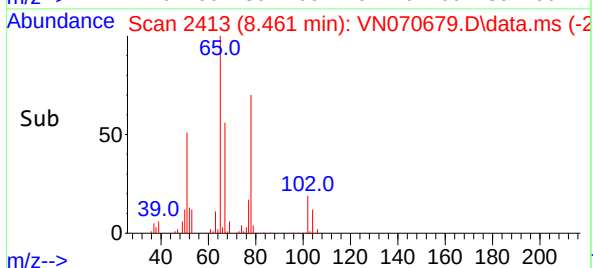
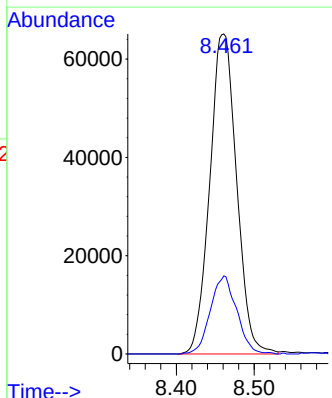
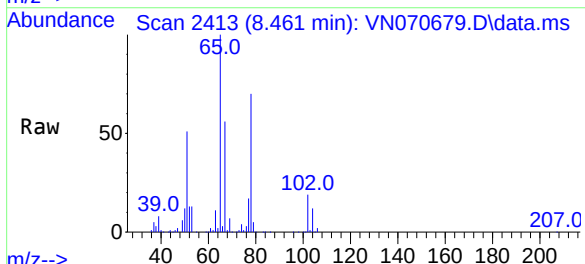
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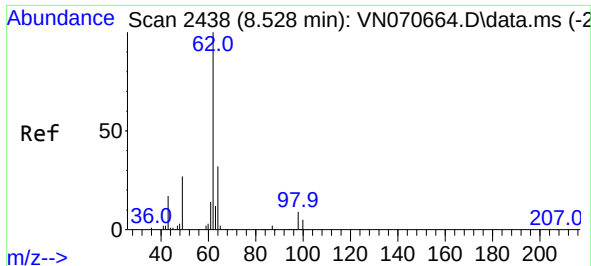
Tgt Ion: 78 Resp: 155838

Ion Ratio Lower Upper

78 100

77 24.4 18.6 27.8





#42

1,2-Dichloroethane

Concen: 0.999 ug/l

RT: 8.533 min Scan# 24

Delta R.T. 0.005 min

Lab File: VN070679.D

Acq: 18 Jan 2022 21:06

Instrument :

MSVOA_N

ClientSampleId :

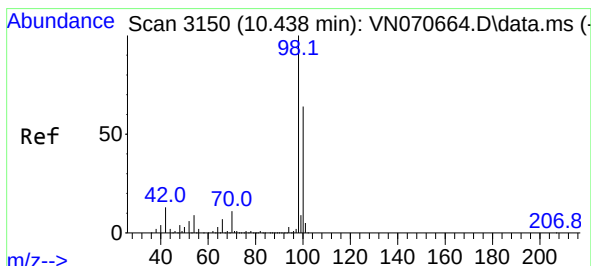
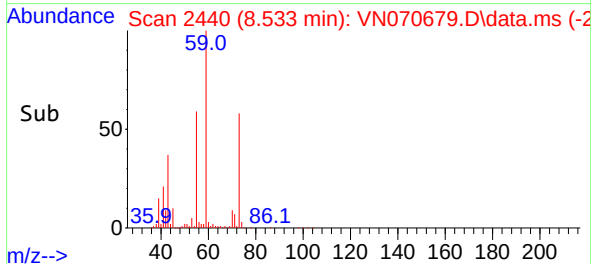
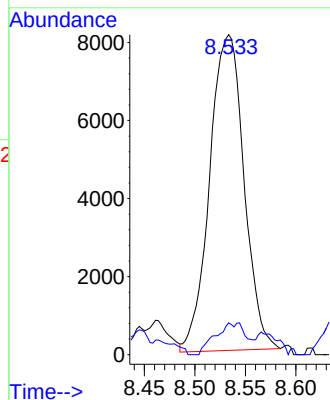
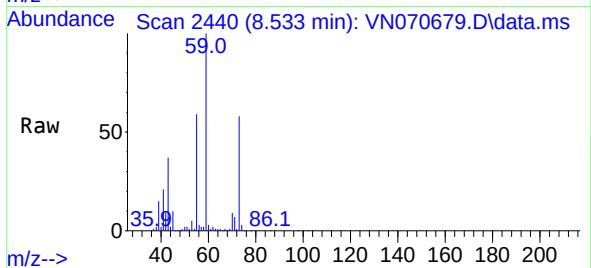
MW-29RDL

Tgt Ion: 62 Resp: 19140

Ion Ratio Lower Upper

62 100

98 5.7 0.0 17.6



#50

Toluene-d8

Concen: 47.644 ug/l

RT: 10.440 min Scan# 3151

Delta R.T. 0.002 min

Lab File: VN070679.D

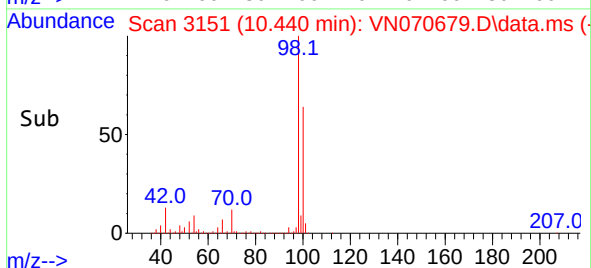
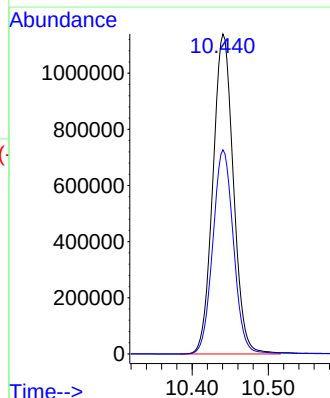
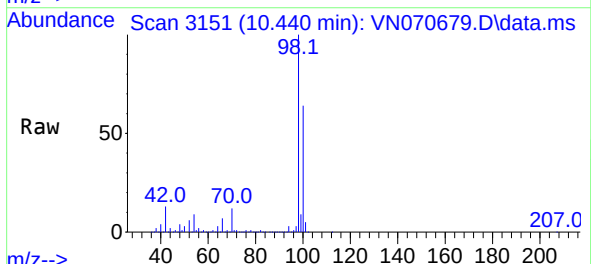
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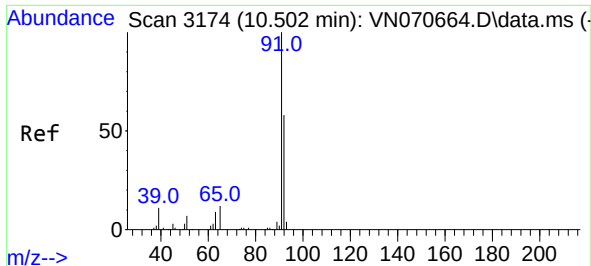
Tgt Ion: 98 Resp: 2126816

Ion Ratio Lower Upper

98 100

100 64.4 50.4 75.6

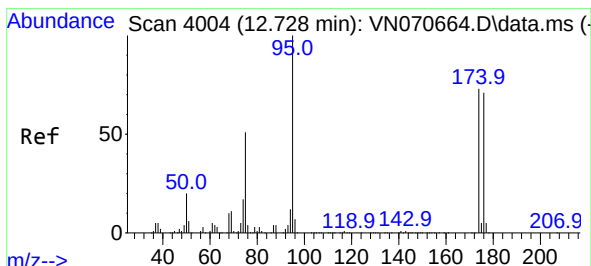
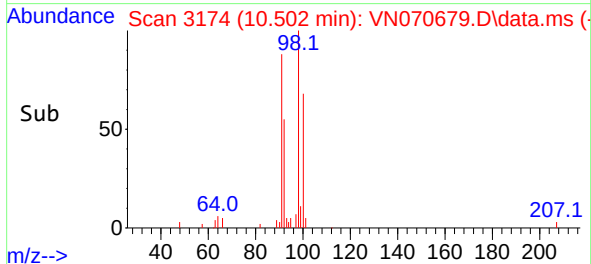
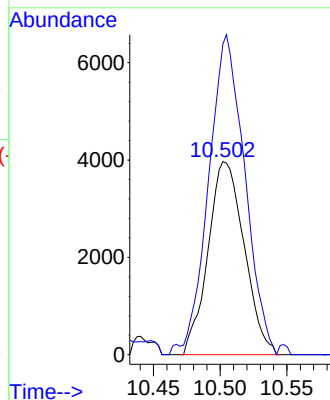
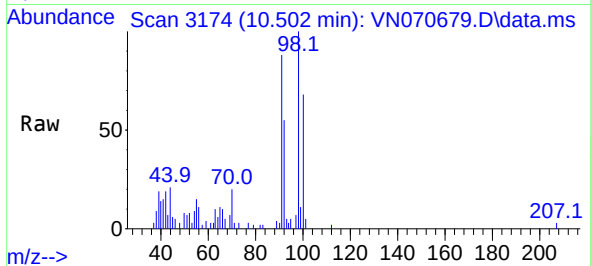




#52
Toluene
Concen: 0.226 ug/l
RT: 10.502 min Scan# 31
Delta R.T. -0.000 min
Lab File: VN070679.D
Acq: 18 Jan 2022 21:06

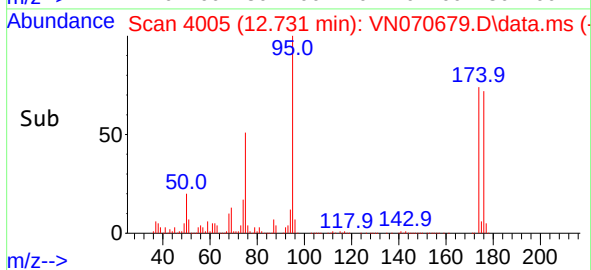
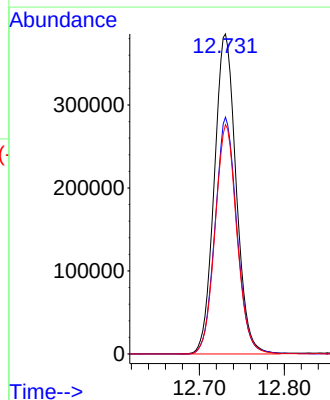
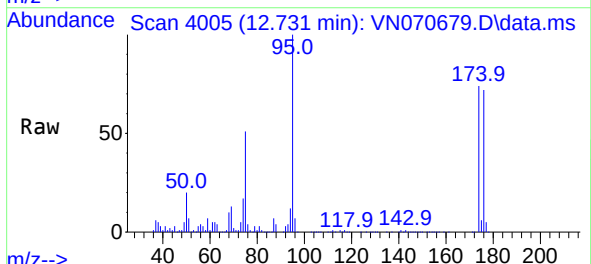
Instrument :
MSVOA_N
ClientSampleId :
MW-29RDL

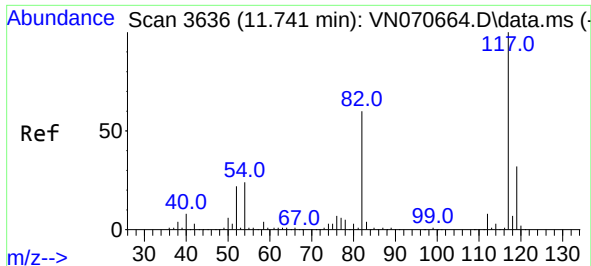
Tgt Ion: 92 Resp: 7482
Ion Ratio Lower Upper
92 100
91 165.7 142.0 213.0



#62
4-Bromofluorobenzene
Concen: 43.280 ug/l
RT: 12.731 min Scan# 4005
Delta R.T. 0.003 min
Lab File: VN070679.D
Acq: 18 Jan 2022 21:06

Tgt Ion: 95 Resp: 688457
Ion Ratio Lower Upper
95 100
174 73.8 0.0 187.2
176 71.5 0.0 181.4

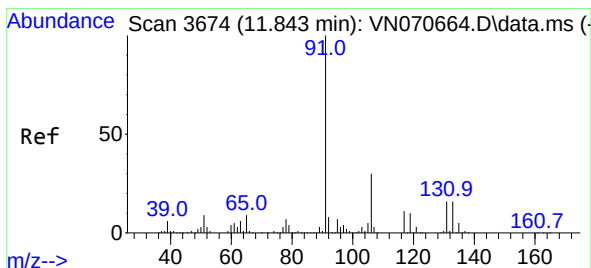
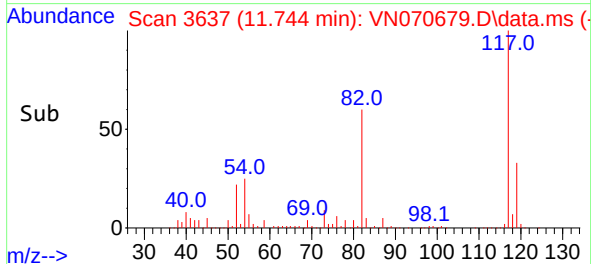
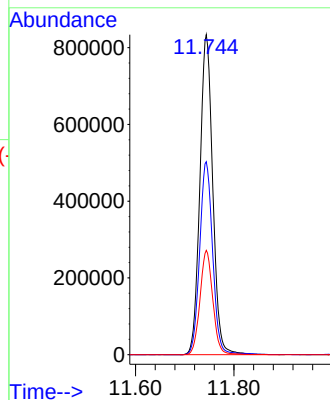
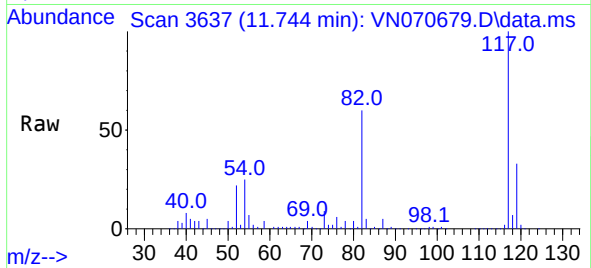




#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 11.744 min Scan# 3636
Delta R.T. 0.003 min
Lab File: VN070679.D
Acq: 18 Jan 2022 21:06

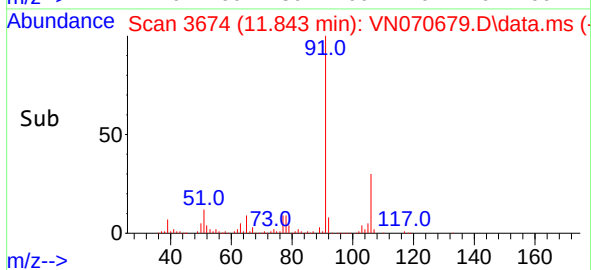
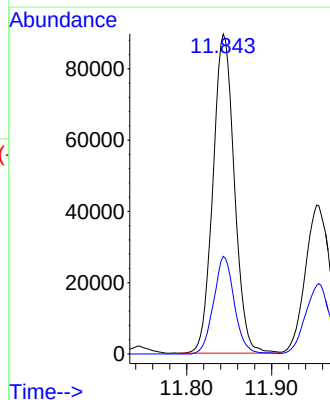
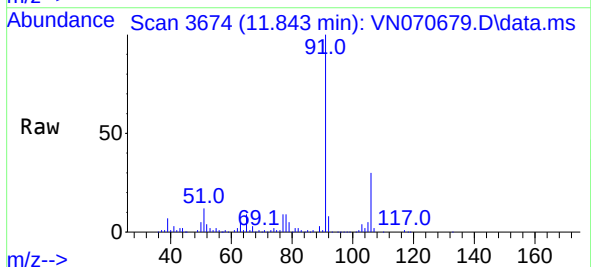
Instrument :
MSVOA_N
ClientSampleId :
MW-29RDL

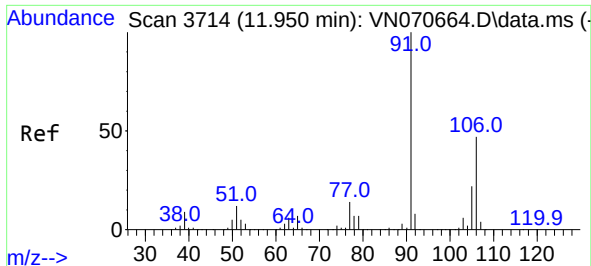
Tgt Ion:117 Resp: 1514152
Ion Ratio Lower Upper
117 100
82 60.3 42.4 63.6
119 32.6 25.4 38.2



#67
Ethyl Benzene
Concen: 2.574 ug/l
RT: 11.843 min Scan# 3674
Delta R.T. -0.000 min
Lab File: VN070679.D
Acq: 18 Jan 2022 21:06

Tgt Ion: 91 Resp: 156558
Ion Ratio Lower Upper
91 100
106 30.6 25.7 38.5

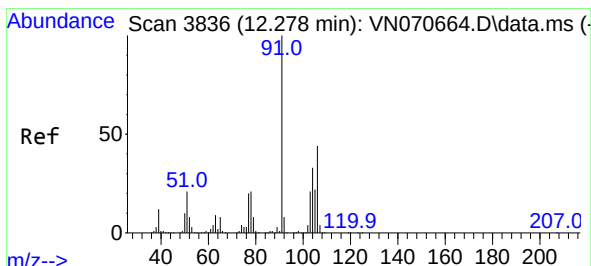
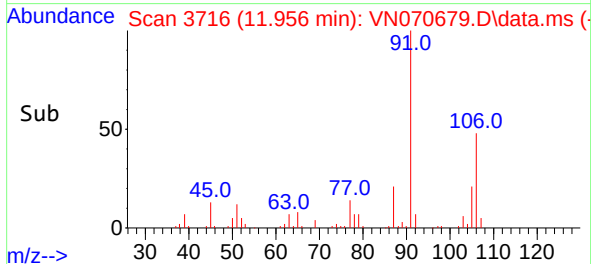
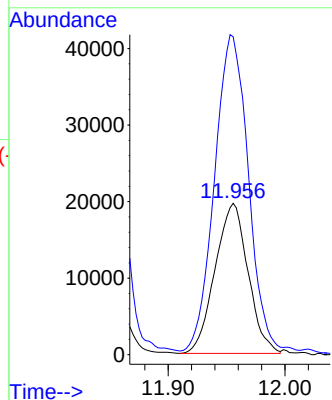
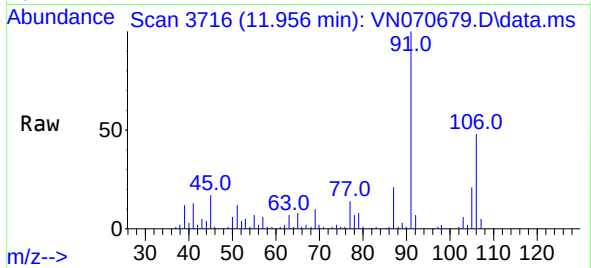




#68
m/p-Xylenes
Concen: 1.736 ug/l
RT: 11.956 min Scan# 3716
Delta R.T. 0.006 min
Lab File: VN070679.D
Acq: 18 Jan 2022 21:06

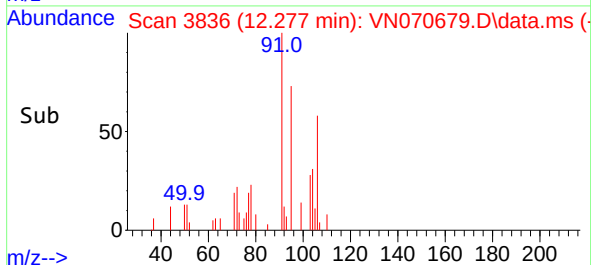
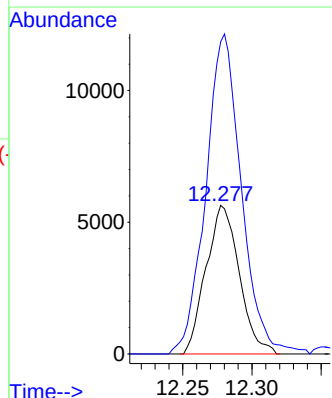
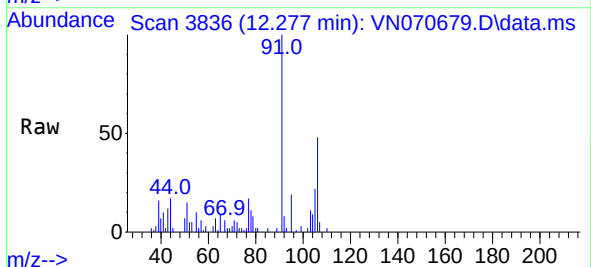
Instrument :
MSVOA_N
ClientSampleId :
MW-29RDL

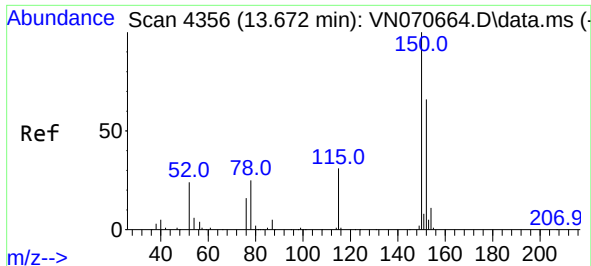
Tgt Ion:106 Resp: 38402
Ion Ratio Lower Upper
106 100
91 215.7 160.6 240.8



#69
o-Xylene
Concen: 0.429 ug/l
RT: 12.277 min Scan# 3836
Delta R.T. -0.001 min
Lab File: VN070679.D
Acq: 18 Jan 2022 21:06

Tgt Ion:106 Resp: 9427
Ion Ratio Lower Upper
106 100
91 230.2 105.8 317.3

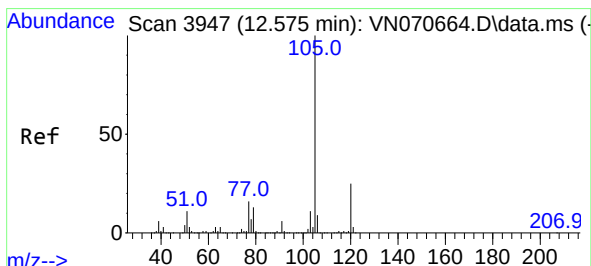
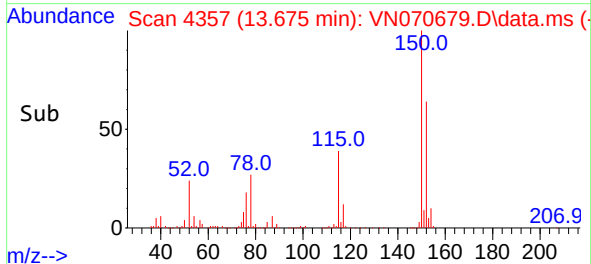
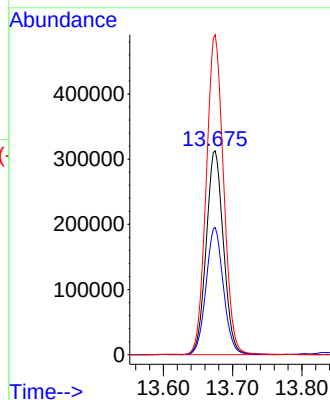
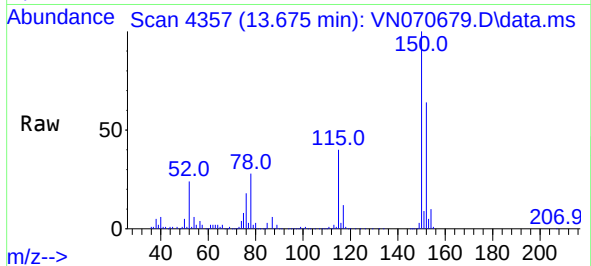




#72
1,4-Dichlorobenzene-d4
Concen: 50.000 ug/l
RT: 13.675 min Scan# 41
Delta R.T. 0.003 min
Lab File: VN070679.D
Acq: 18 Jan 2022 21:06

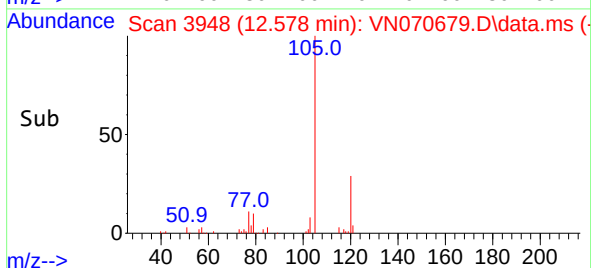
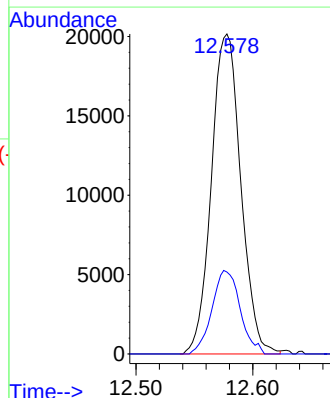
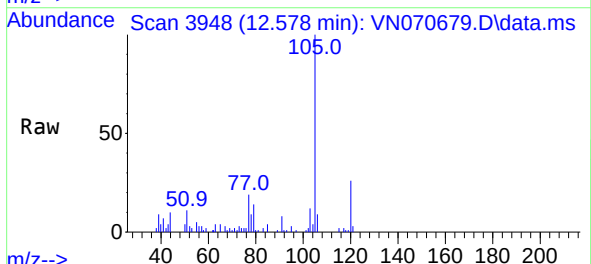
Instrument :
MSVOA_N
ClientSampleId :
MW-29RDL

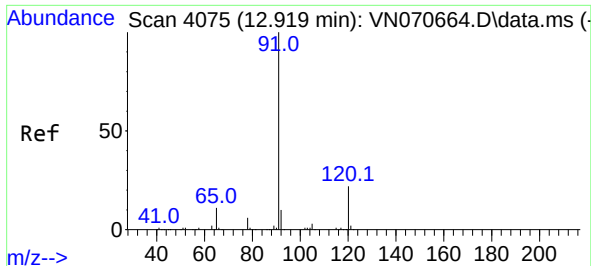
Tgt Ion:152 Resp: 543111
Ion Ratio Lower Upper
152 100
115 62.3 27.5 82.5
150 156.9 0.0 344.4



#73
Isopropylbenzene
Concen: 0.687 ug/l
RT: 12.578 min Scan# 3948
Delta R.T. 0.003 min
Lab File: VN070679.D
Acq: 18 Jan 2022 21:06

Tgt Ion:105 Resp: 35292
Ion Ratio Lower Upper
105 100
120 25.0 13.4 40.1

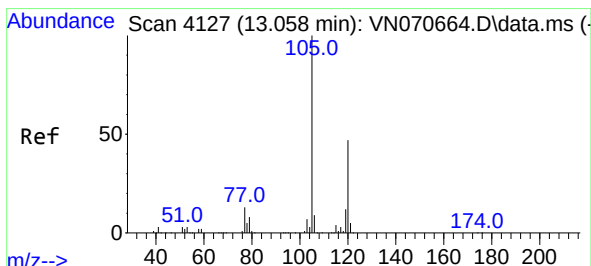
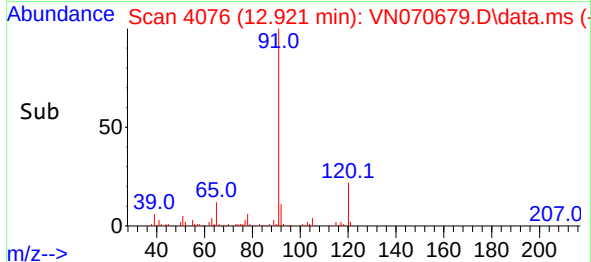
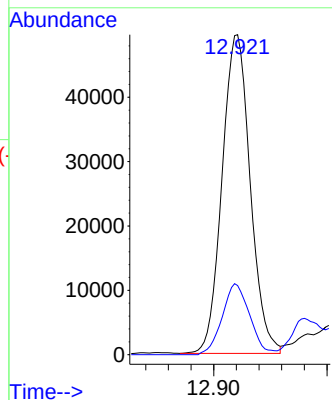
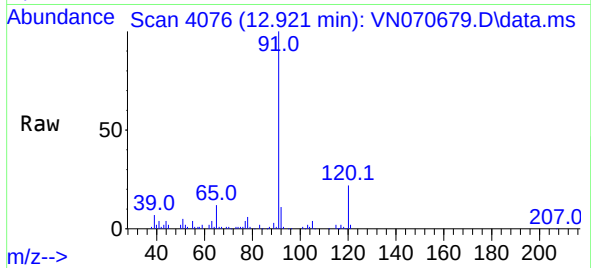




#78
n-propylbenzene
Concen: 1.486 ug/l
RT: 12.921 min Scan# 4076
Delta R.T. 0.002 min
Lab File: VN070679.D
Acq: 18 Jan 2022 21:06

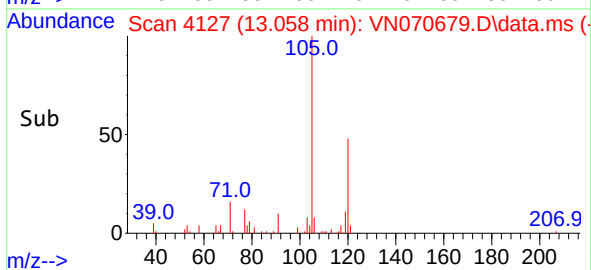
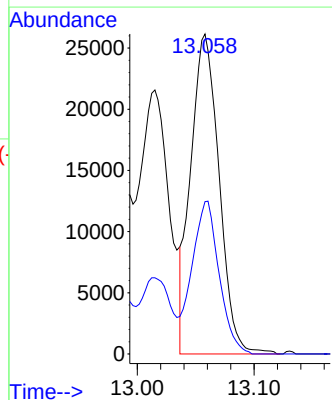
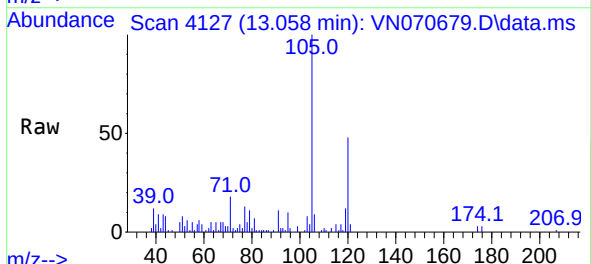
Instrument :
MSVOA_N
ClientSampleId :
MW-29RDL

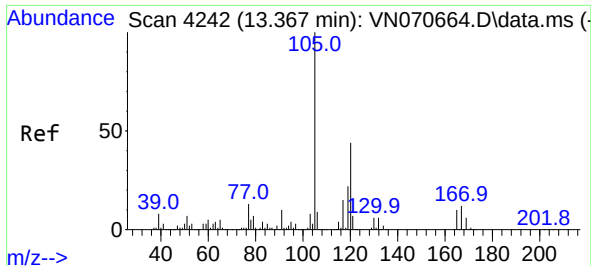
Tgt Ion: 91 Resp: 85392
Ion Ratio Lower Upper
91 100
120 21.8 11.9 35.9



#80
1,3,5-Trimethylbenzene
Concen: 1.060 ug/l
RT: 13.058 min Scan# 4127
Delta R.T. -0.000 min
Lab File: VN070679.D
Acq: 18 Jan 2022 21:06

Tgt Ion: 105 Resp: 44051
Ion Ratio Lower Upper
105 100
120 46.6 24.6 73.6

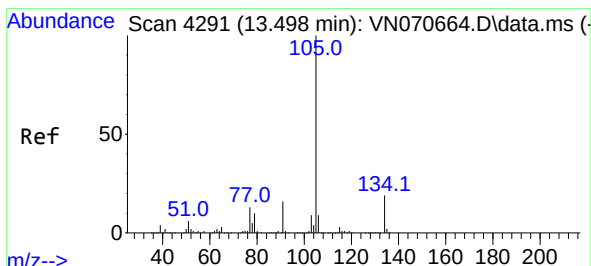
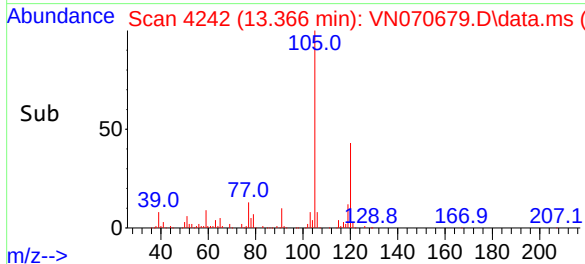
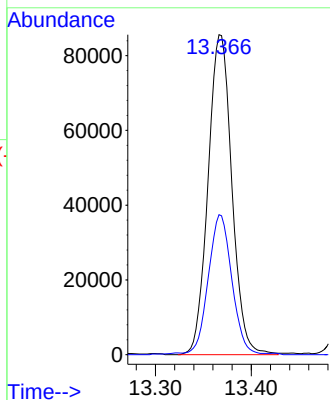
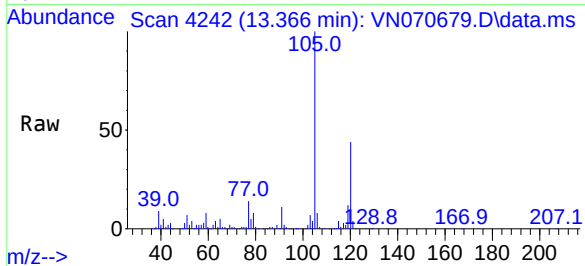




#84
1,2,4-Trimethylbenzene
Concen: 3.696 ug/l
RT: 13.366 min Scan# 41
Delta R.T. -0.001 min
Lab File: VN070679.D
Acq: 18 Jan 2022 21:06

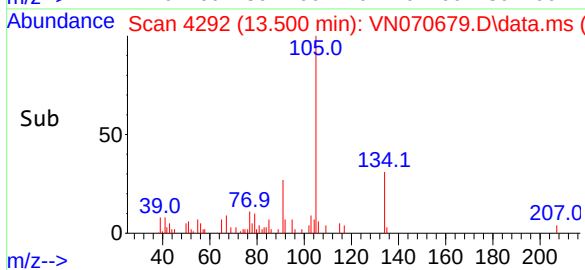
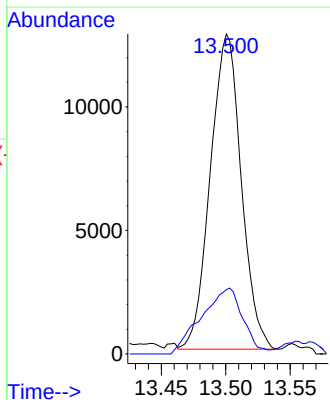
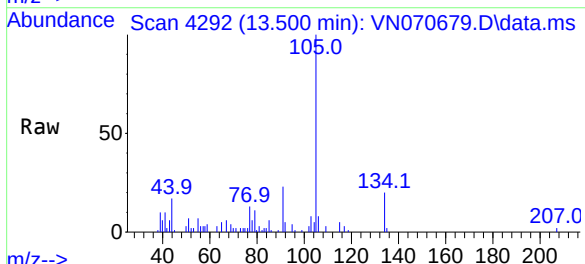
Instrument :
MSVOA_N
ClientSampleId :
MW-29RDL

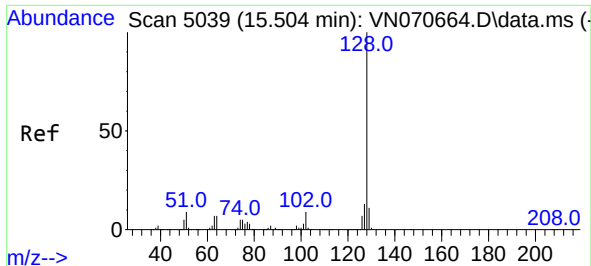
Tgt Ion:105 Resp: 147607
Ion Ratio Lower Upper
105 100
120 42.1 22.8 68.4



#85
sec-Butylbenzene
Concen: 0.432 ug/l
RT: 13.500 min Scan# 4292
Delta R.T. 0.002 min
Lab File: VN070679.D
Acq: 18 Jan 2022 21:06

Tgt Ion:105 Resp: 21255
Ion Ratio Lower Upper
105 100
134 27.9 10.4 31.1





#95

Naphthalene

Concen: 7.044 ug/l

RT: 15.504 min Scan# 50

Delta R.T. -0.000 min

Lab File: VN070679.D

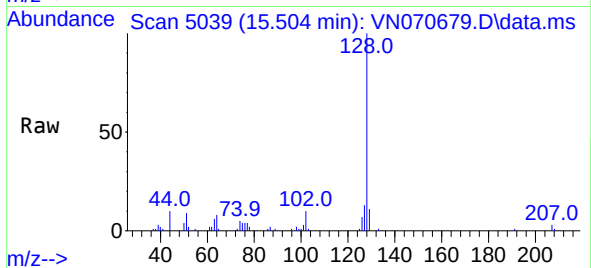
Acq: 18 Jan 2022 21:06

Instrument :

MSVOA_N

ClientSampleId :

MW-29RDL



Tgt Ion:128 Resp: 65492

Ion Ratio Lower Upper

128 100

127 13.4 10.5 15.7

129 12.3 8.7 13.1

