

Data Path : Z:\voasrv\HPCHEM1\MSVOA_N\Data\VN120121\
 Data File : VN069696.D
 Acq On : 1 Dec 2021 17:25
 Operator : JC/MD
 Sample : M4892-03
 Misc : 5.00mL/MSVOA_N/WATER
 ALS Vial : 12 Sample Multiplier: 1

Instrument :
 MSVOA_N
 ClientSampleId :
 INF-1221

Quant Time: Dec 10 00:17:31 2021
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA_N\methods\82N110921W.M
 Quant Title : SW846 8260
 QLast Update : Tue Nov 09 18:18:22 2021
 Response via : Initial Calibration

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

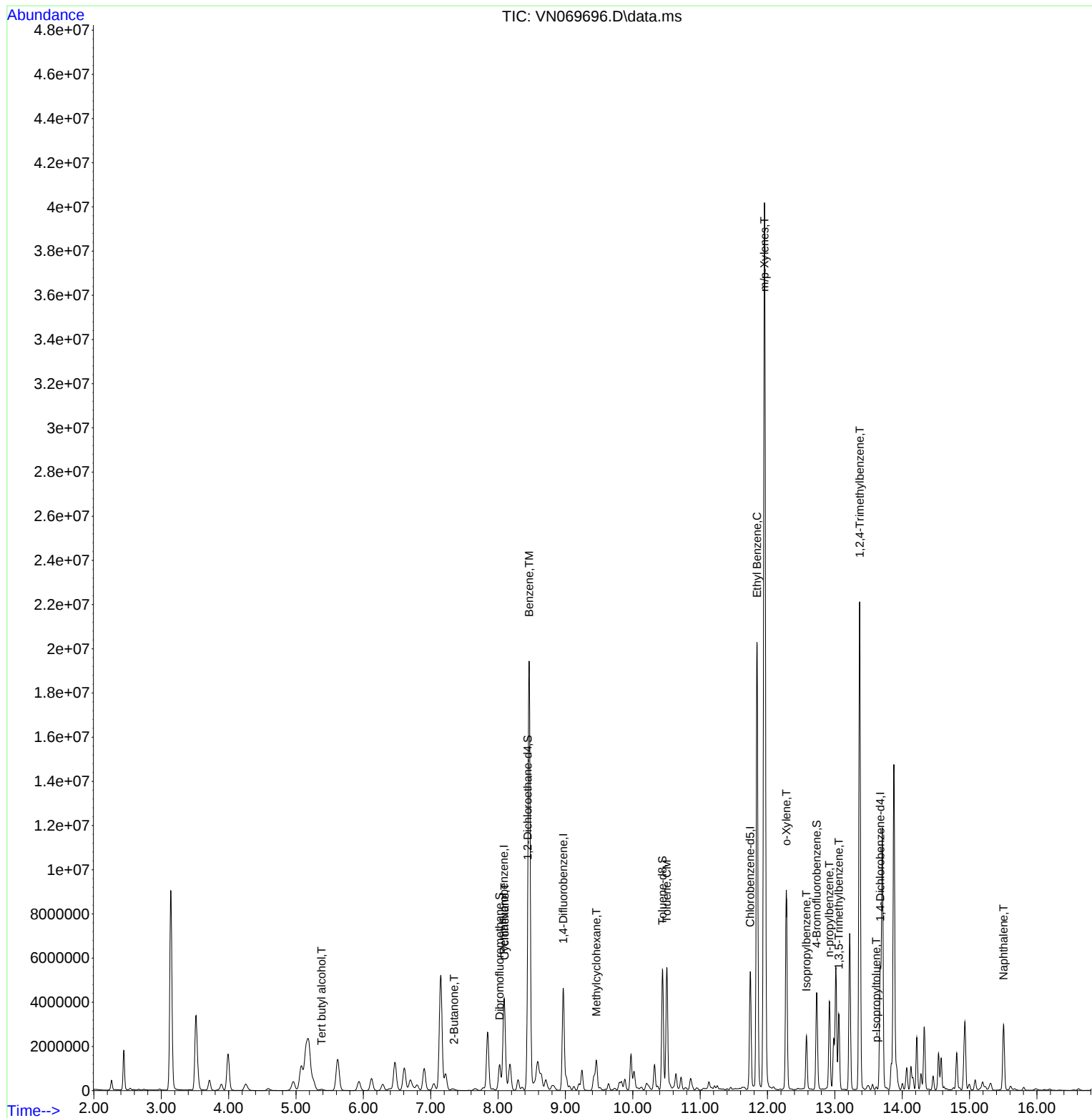
Internal Standards						
1) Pentafluorobenzene	8.088	168	1639341	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	8.968	114	2795862	50.00	ug/l	0.00
63) Chlorobenzene-d5	11.744	117	2931565	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.675	152	1404979	50.00	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	8.440	65	1158900	48.76	ug/l	0.00
Spiked Amount	50.000	Range	61 - 141	Recovery	=	97.52%
35) Dibromofluoromethane	8.024	113	832742	49.66	ug/l	0.00
Spiked Amount	50.000	Range	69 - 133	Recovery	=	99.32%
50) Toluene-d8	10.440	98	3607279	54.70	ug/l	0.00
Spiked Amount	50.000	Range	65 - 126	Recovery	=	109.40%
62) 4-Bromofluorobenzene	12.731	95	1509062	62.29	ug/l	0.00
Spiked Amount	50.000	Range	58 - 135	Recovery	=	124.58%
Target Compounds						
					Qvalue	
11) Tert butyl alcohol	5.380	59	83444	19.48	ug/l #	71
25) 2-Butanone	7.345	43	45553	2.62	ug/l	90
31) Cyclohexane	8.096	56	1254487	38.63	ug/l	90
39) Methylcyclohexane	9.462	83	529985	18.11	ug/l	89
40) Benzene	8.461	78	19043043	262.25	ug/l	96
52) Toluene	10.505	92	2375935	52.52	ug/l	97
67) Ethyl Benzene	11.843	91	14634744	145.42	ug/l	98
68) m/p-Xylenes	11.956	106	12812683	346.16	ug/l #	1
69) o-Xylene	12.280	106	2402040	65.10	ug/l	92
73) Isopropylbenzene	12.578	105	1541187	13.78	ug/l	98
78) n-propylbenzene	12.919	91	3184764	25.30	ug/l	95
80) 1,3,5-Trimethylbenzene	13.058	105	1872492	20.71	ug/l	96
84) 1,2,4-Trimethylbenzene	13.369	105	12480322	142.95	ug/l	99
86) p-Isopropyltoluene	13.616	119	55812	0.64	ug/l #	78
95) Naphthalene	15.504	128	2669970	43.45	ug/l	99

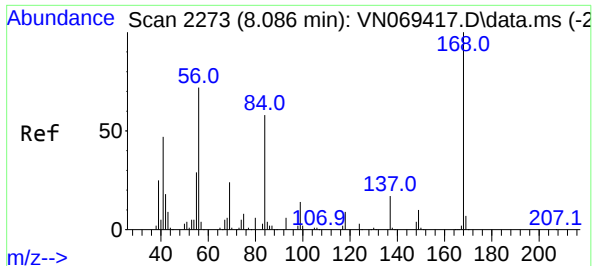
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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Quant Method : Z:\voasrv\HPCHEM1\MSVOA_N\methods\82N110921W.M
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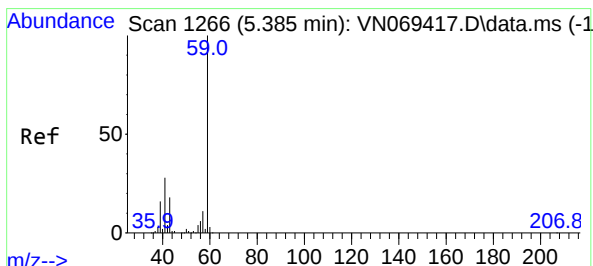
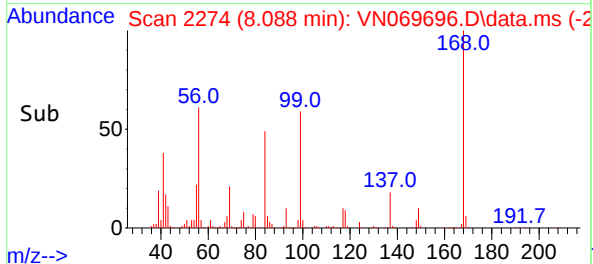
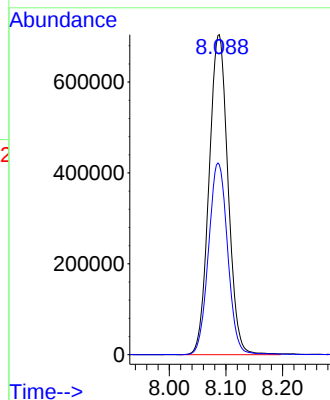
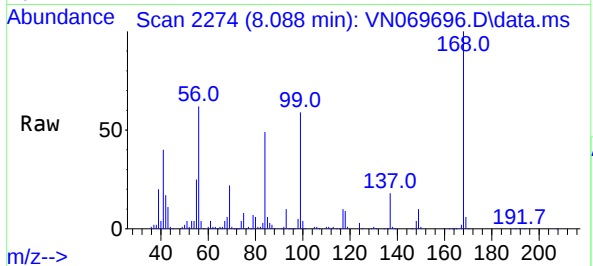




#1
Pentafluorobenzene
Concen: 50.00 ug/l
RT: 8.088 min Scan# 21
Delta R.T. 0.002 min
Lab File: VN069696.D
Acq: 1 Dec 2021 17:25

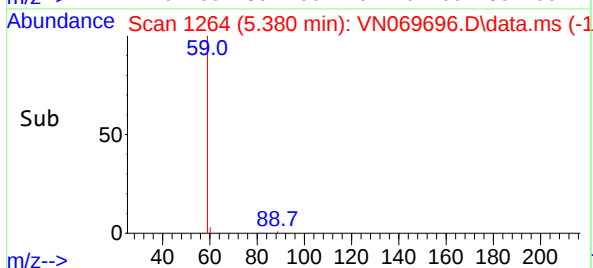
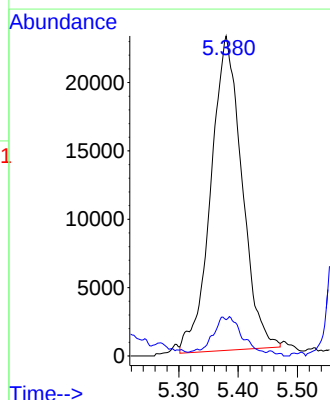
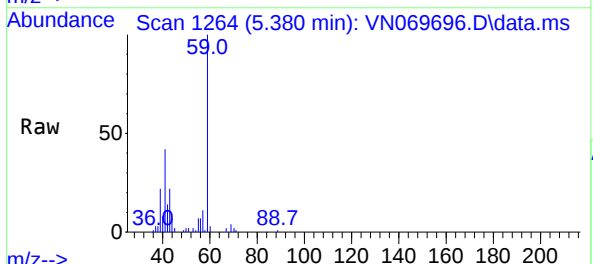
Instrument :
MSVOA_N
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INF-1221

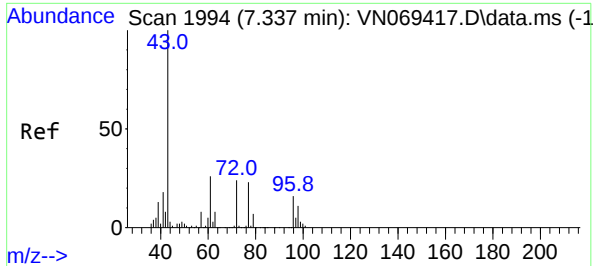
Tgt Ion:168 Resp: 1639341
Ion Ratio Lower Upper
168 100
99 59.3 41.3 61.9



#11
Tert butyl alcohol
Concen: 19.48 ug/l
RT: 5.380 min Scan# 1264
Delta R.T. -0.005 min
Lab File: VN069696.D
Acq: 1 Dec 2021 17:25

Tgt Ion: 59 Resp: 83444
Ion Ratio Lower Upper
59 100
57 0.0 8.7 13.1#

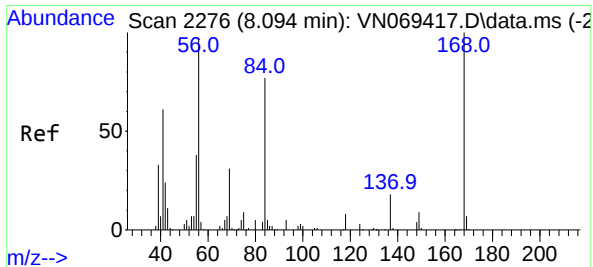
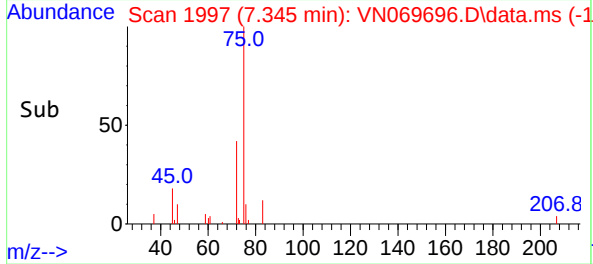
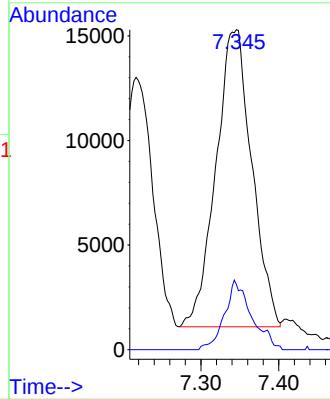
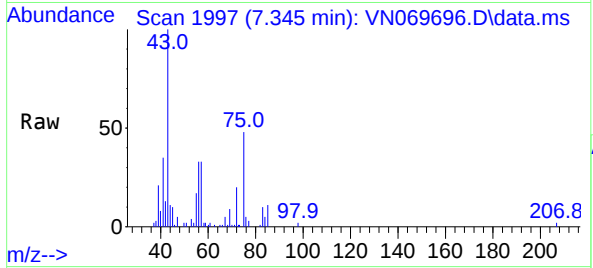




#25
2-Butanone
Concen: 2.62 ug/l
RT: 7.345 min Scan# 1994
Delta R.T. 0.008 min
Lab File: VN069696.D
Acq: 1 Dec 2021 17:25

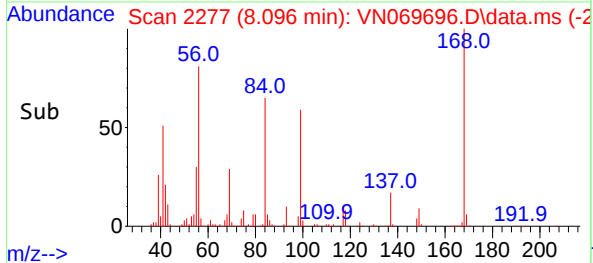
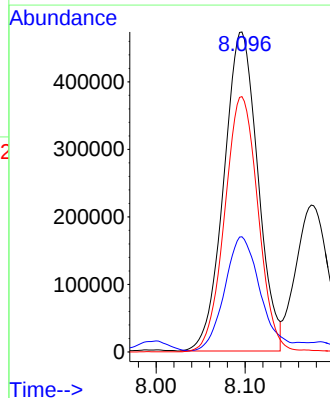
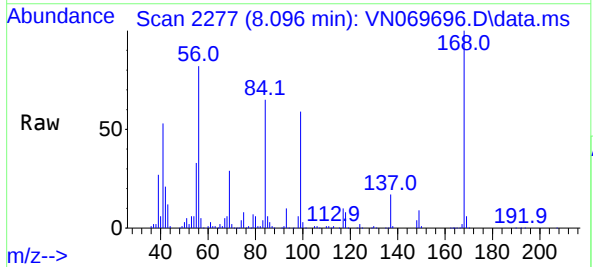
Instrument :
MSVOA_N
ClientSampleId :
INF-1221

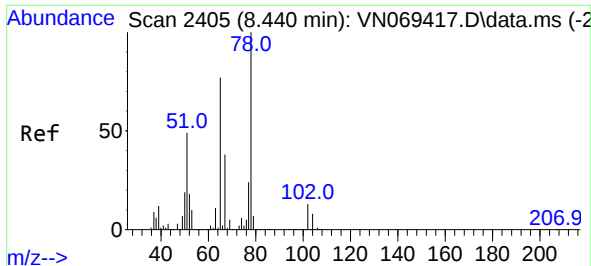
Tgt Ion: 43 Resp: 45553
Ion Ratio Lower Upper
43 100
72 22.0 21.7 32.5



#31
Cyclohexane
Concen: 38.63 ug/l
RT: 8.096 min Scan# 2277
Delta R.T. 0.002 min
Lab File: VN069696.D
Acq: 1 Dec 2021 17:25

Tgt Ion: 56 Resp: 1254487
Ion Ratio Lower Upper
56 100
69 35.3 27.1 40.7
84 80.0 73.4 110.0





#33

1,2-Dichloroethane-d4

Concen: 48.76 ug/l

RT: 8.440 min Scan# 24

Delta R.T. -0.000 min

Lab File: VN069696.D

Acq: 1 Dec 2021 17:25

Instrument :

MSVOA_N

ClientSampleId :

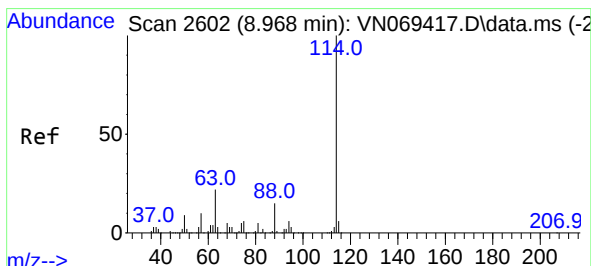
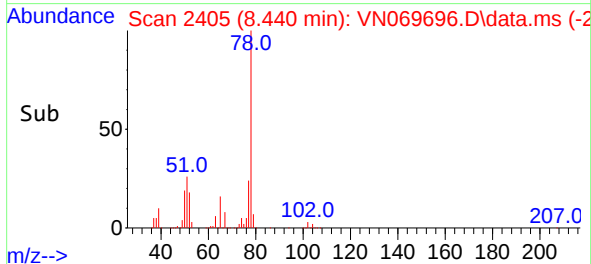
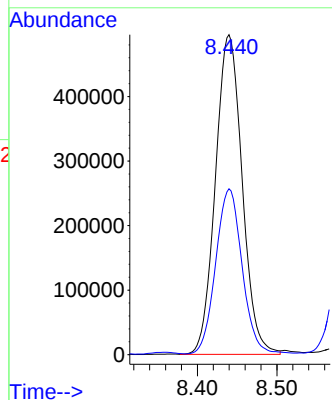
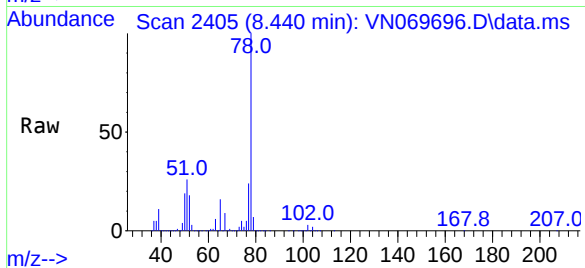
INF-1221

Tgt Ion: 65 Resp: 1158900

Ion Ratio Lower Upper

65 100

67 50.9 0.0 103.0



#34

1,4-Difluorobenzene

Concen: 50.00 ug/l

RT: 8.968 min Scan# 2602

Delta R.T. 0.000 min

Lab File: VN069696.D

Acq: 1 Dec 2021 17:25

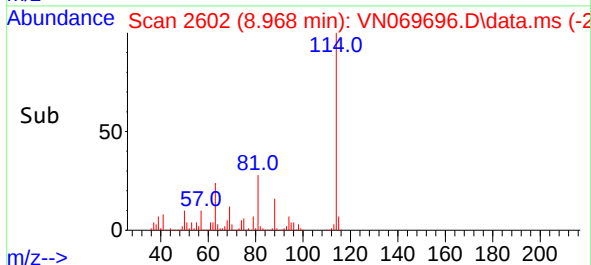
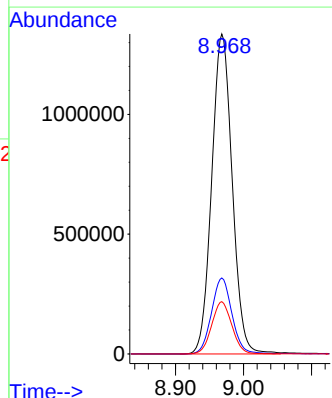
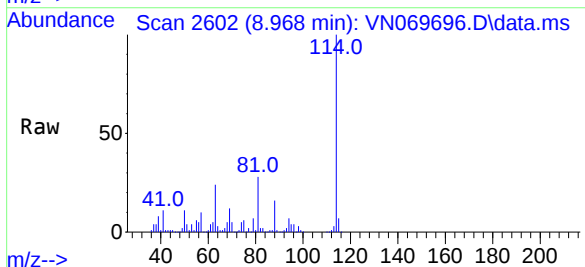
Tgt Ion: 114 Resp: 2795862

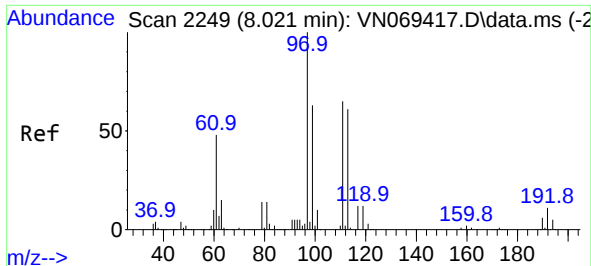
Ion Ratio Lower Upper

114 100

63 23.8 0.0 37.8

88 16.3 0.0 27.4

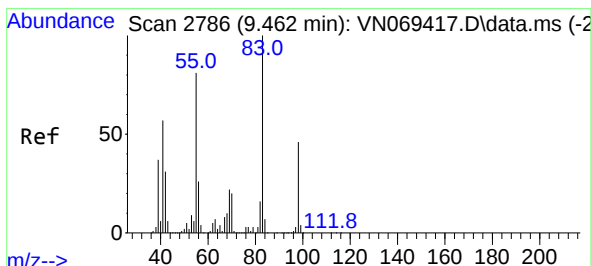
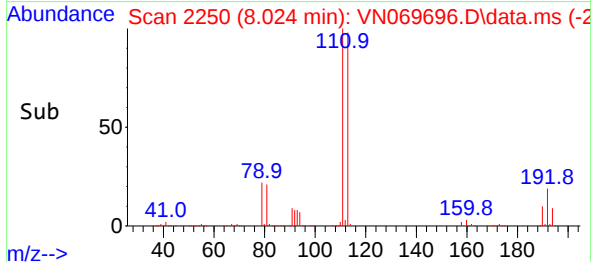
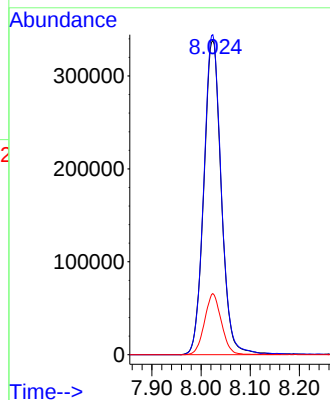
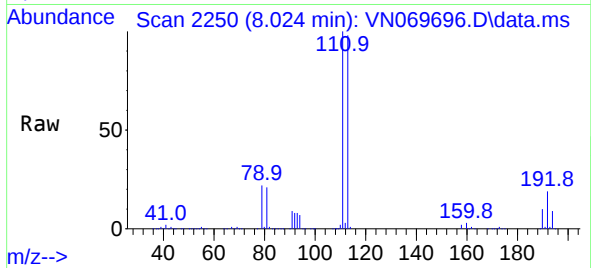




#35
Dibromofluoromethane
Concen: 49.66 ug/l
RT: 8.024 min Scan# 211
Delta R.T. 0.003 min
Lab File: VN069696.D
Acq: 1 Dec 2021 17:25

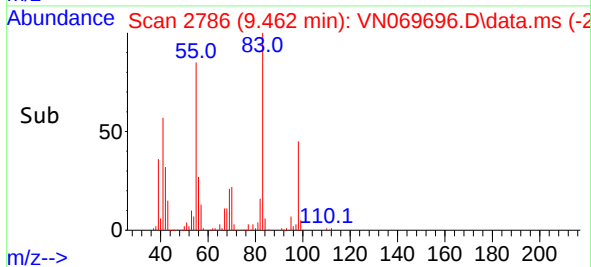
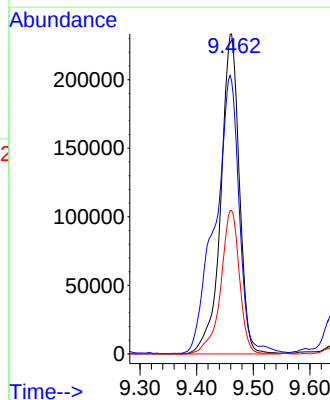
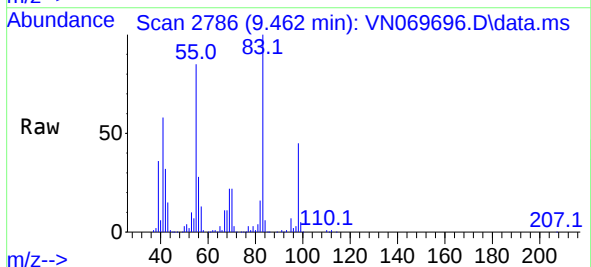
Instrument :
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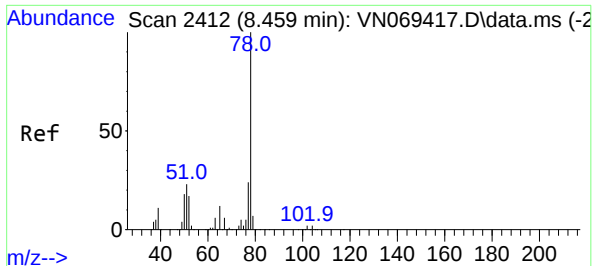
Tgt Ion:113 Resp: 832742
Ion Ratio Lower Upper
113 100
111 101.4 82.2 123.2
192 18.7 16.9 25.3



#39
Methylcyclohexane
Concen: 18.11 ug/l
RT: 9.462 min Scan# 2786
Delta R.T. -0.000 min
Lab File: VN069696.D
Acq: 1 Dec 2021 17:25

Tgt Ion: 83 Resp: 529985
Ion Ratio Lower Upper
83 100
55 85.3 58.1 87.1
98 44.9 38.4 57.6

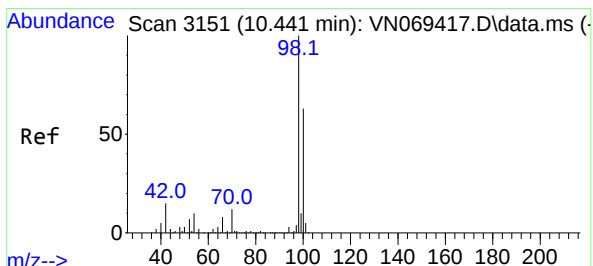
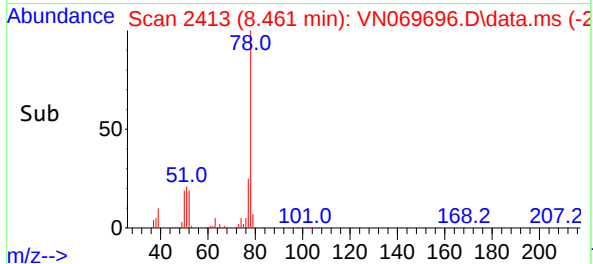
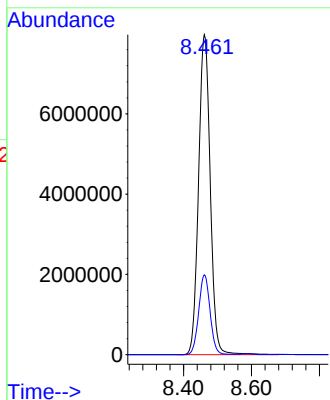
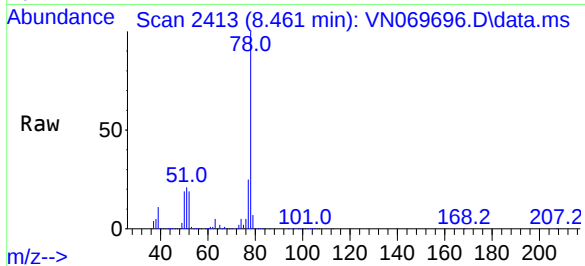




#40
Benzene
Concen: 262.25 ug/l
RT: 8.461 min Scan# 2412
Delta R.T. 0.002 min
Lab File: VN069696.D
Acq: 1 Dec 2021 17:25

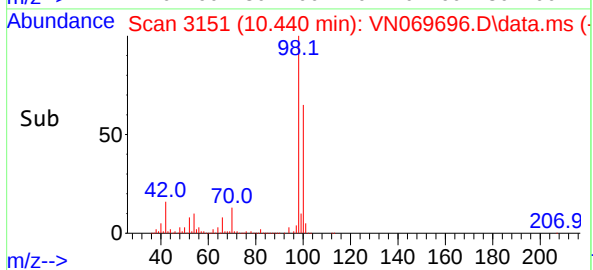
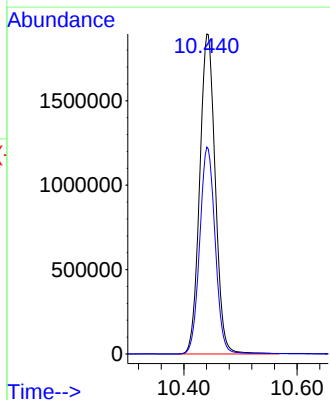
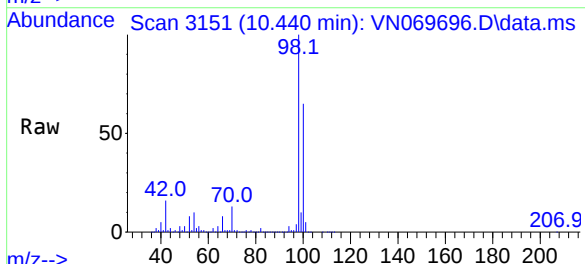
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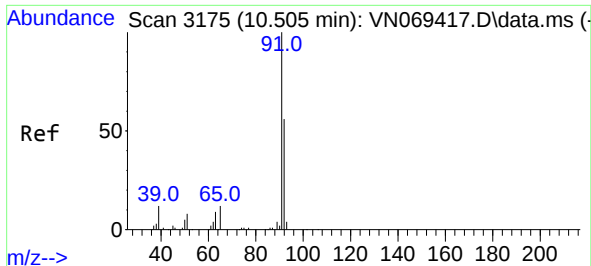
Tgt Ion: 78 Resp:19043043
Ion Ratio Lower Upper
78 100
77 25.0 18.6 27.8



#50
Toluene-d8
Concen: 54.70 ug/l
RT: 10.440 min Scan# 3151
Delta R.T. -0.001 min
Lab File: VN069696.D
Acq: 1 Dec 2021 17:25

Tgt Ion: 98 Resp: 3607279
Ion Ratio Lower Upper
98 100
100 64.3 50.4 75.6

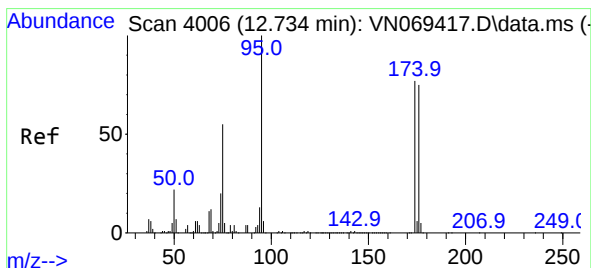
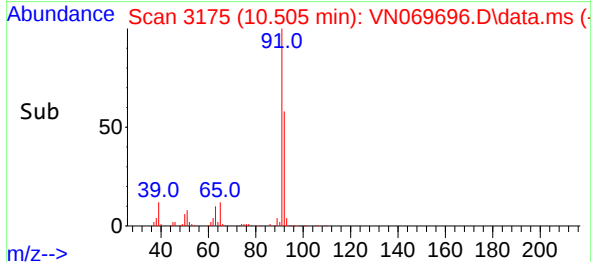
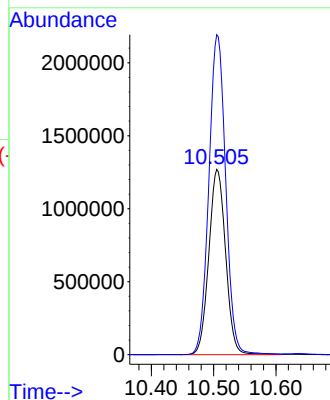
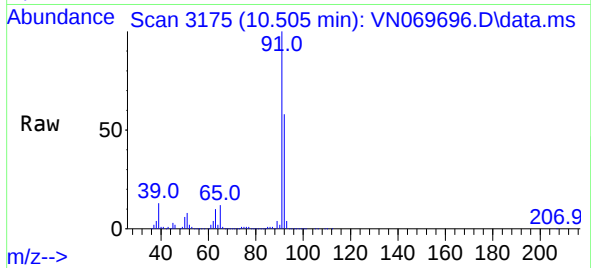




#52
Toluene
Concen: 52.52 ug/l
RT: 10.505 min Scan# 3175
Delta R.T. -0.000 min
Lab File: VN069696.D
Acq: 1 Dec 2021 17:25

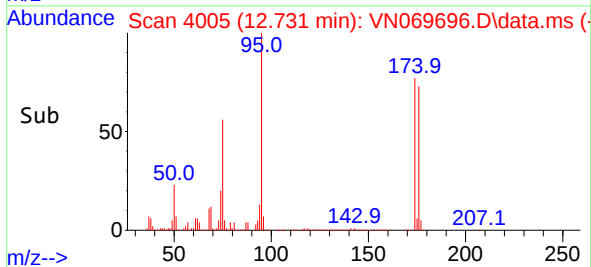
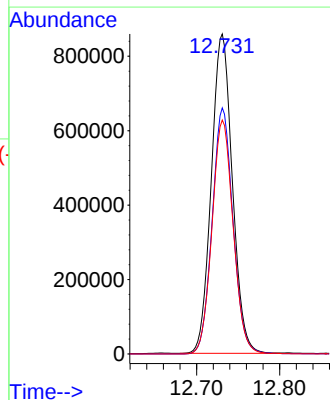
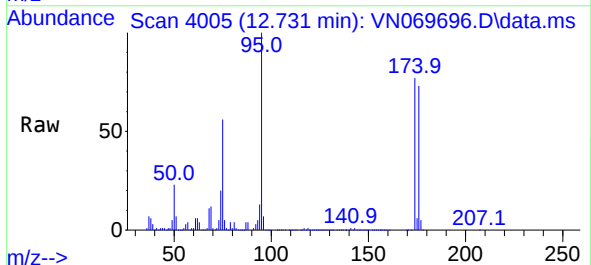
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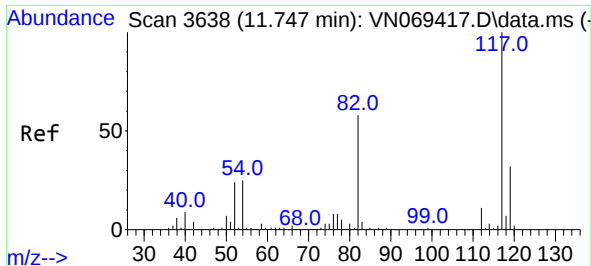
Tgt Ion: 92 Resp: 2375935
Ion Ratio Lower Upper
92 100
91 173.0 142.0 213.0



#62
4-Bromofluorobenzene
Concen: 62.29 ug/l
RT: 12.731 min Scan# 4005
Delta R.T. -0.003 min
Lab File: VN069696.D
Acq: 1 Dec 2021 17:25

Tgt Ion: 95 Resp: 1509062
Ion Ratio Lower Upper
95 100
174 76.4 0.0 187.2
176 73.8 0.0 181.4

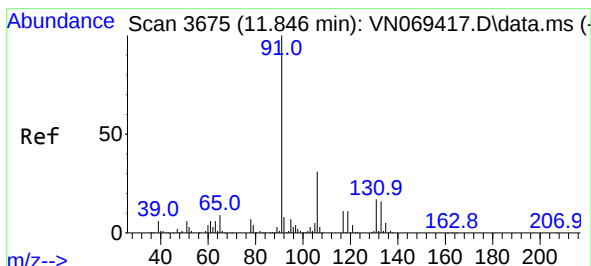
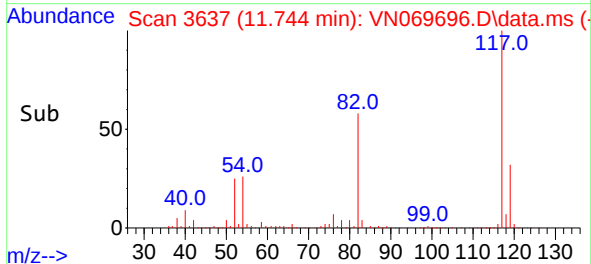
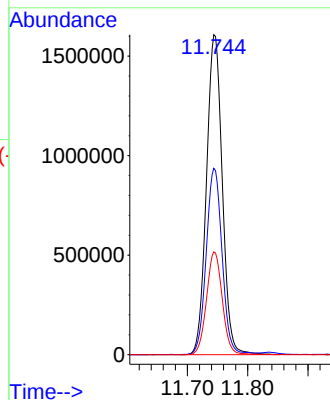
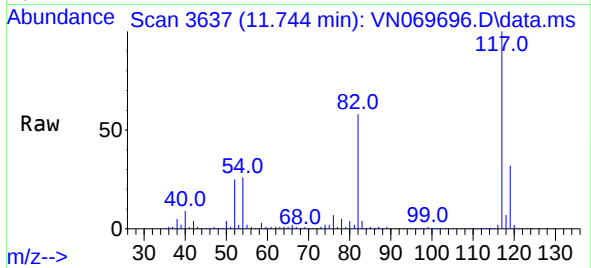




#63
Chlorobenzene-d5
Concen: 50.00 ug/l
RT: 11.744 min Scan# 3638
Delta R.T. -0.003 min
Lab File: VN069696.D
Acq: 1 Dec 2021 17:25

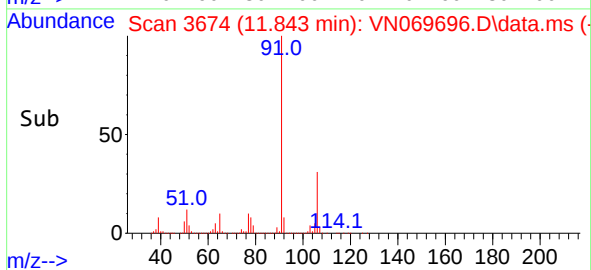
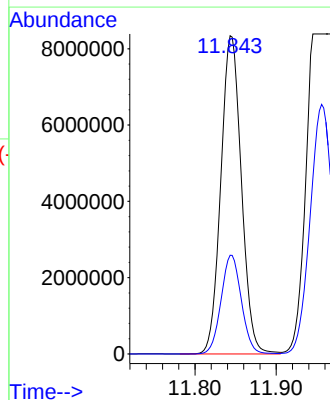
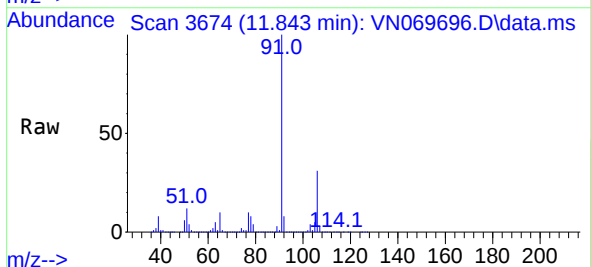
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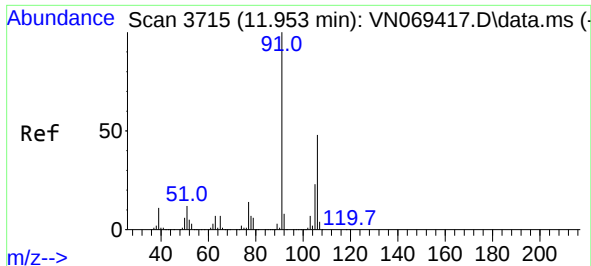
Tgt Ion:117 Resp: 2931565
Ion Ratio Lower Upper
117 100
82 58.2 42.4 63.6
119 32.1 25.4 38.2



#67
Ethyl Benzene
Concen: 145.42 ug/l
RT: 11.843 min Scan# 3674
Delta R.T. -0.003 min
Lab File: VN069696.D
Acq: 1 Dec 2021 17:25

Tgt Ion: 91 Resp:14634744
Ion Ratio Lower Upper
91 100
106 31.0 25.7 38.5

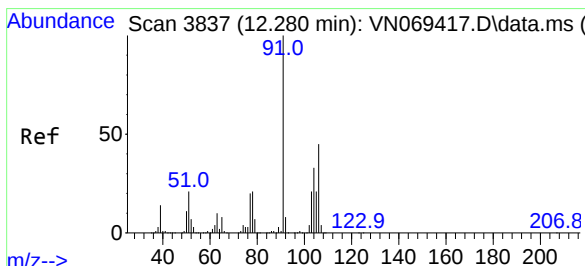
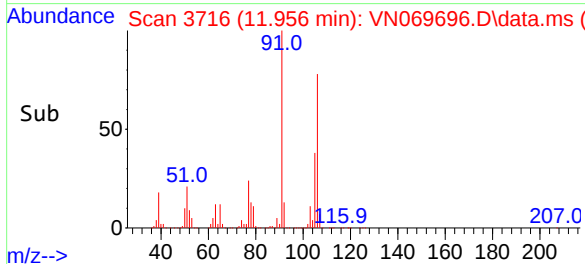
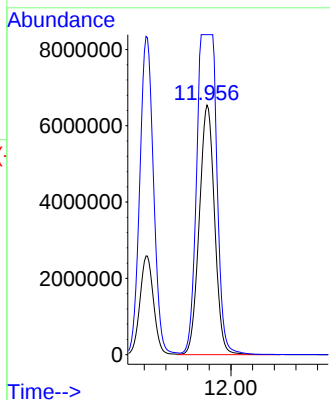
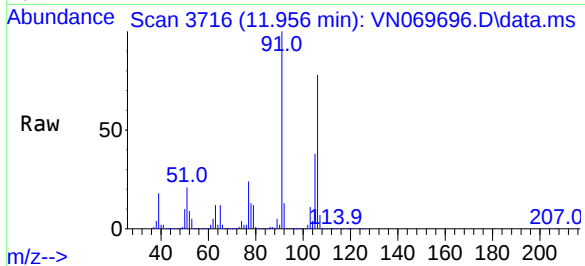




#68
m/p-Xylenes
Concen: 346.16 ug/l
RT: 11.956 min Scan# 3716
Delta R.T. 0.003 min
Lab File: VN069696.D
Acq: 1 Dec 2021 17:25

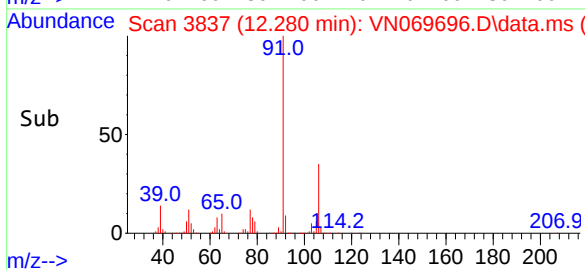
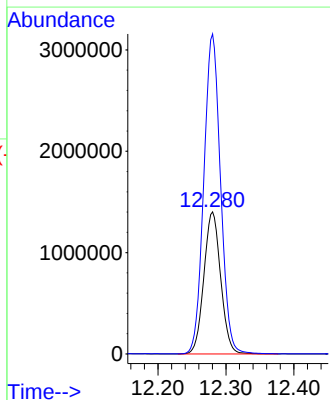
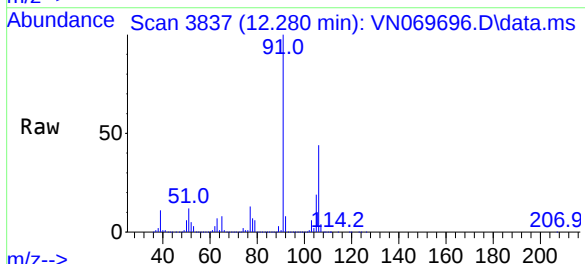
Instrument :
MSVOA_N
ClientSampleId :
INF-1221

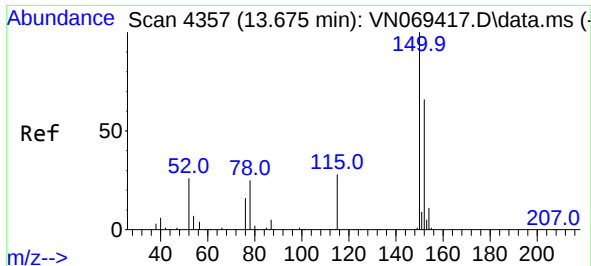
Tgt Ion:106 Resp:12812683
Ion Ratio Lower Upper
106 100
91 0.0 160.6 240.8#



#69
o-Xylene
Concen: 65.10 ug/l
RT: 12.280 min Scan# 3837
Delta R.T. 0.000 min
Lab File: VN069696.D
Acq: 1 Dec 2021 17:25

Tgt Ion:106 Resp: 2402040
Ion Ratio Lower Upper
106 100
91 224.5 105.8 317.3

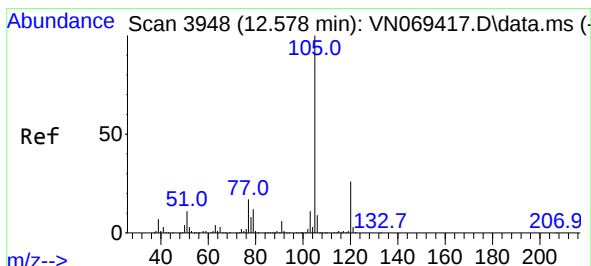
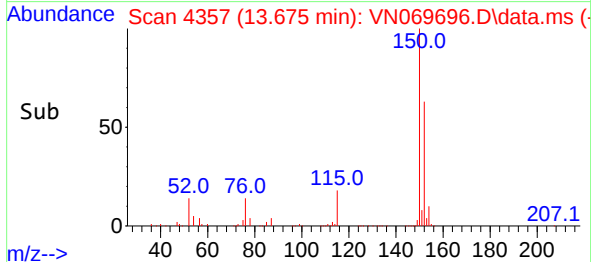
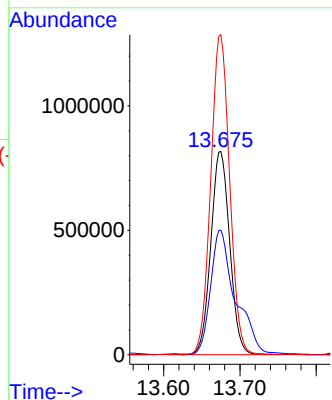
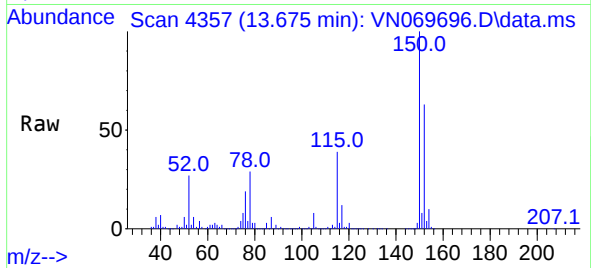




#72
1,4-Dichlorobenzene-d4
Concen: 50.00 ug/l
RT: 13.675 min Scan# 41
Delta R.T. -0.000 min
Lab File: VN069696.D
Acq: 1 Dec 2021 17:25

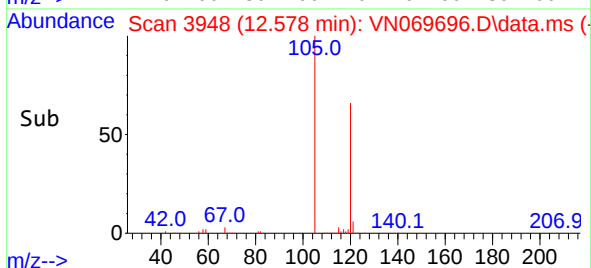
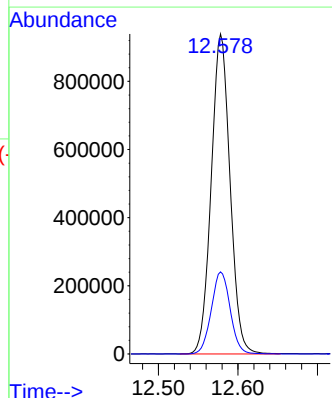
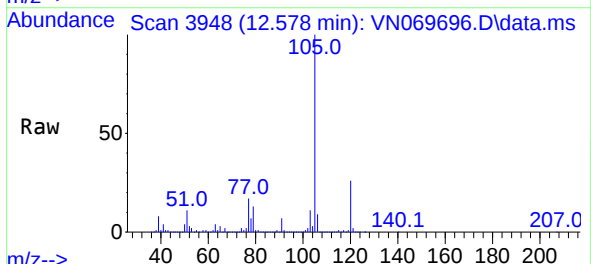
Instrument :
MSVOA_N
ClientSampleId :
INF-1221

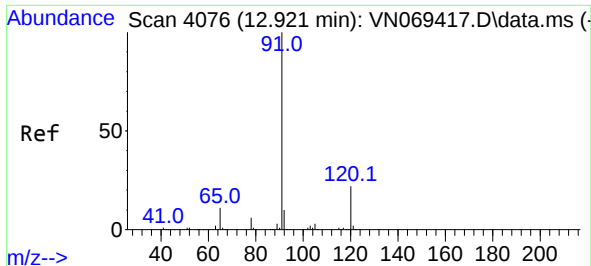
Tgt Ion:152 Resp: 1404979
Ion Ratio Lower Upper
152 100
115 81.1 27.5 82.5
150 157.4 0.0 344.4



#73
Isopropylbenzene
Concen: 13.78 ug/l
RT: 12.578 min Scan# 3948
Delta R.T. -0.000 min
Lab File: VN069696.D
Acq: 1 Dec 2021 17:25

Tgt Ion:105 Resp: 1541187
Ion Ratio Lower Upper
105 100
120 25.8 13.4 40.1

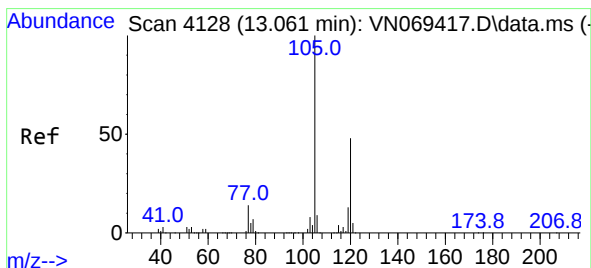
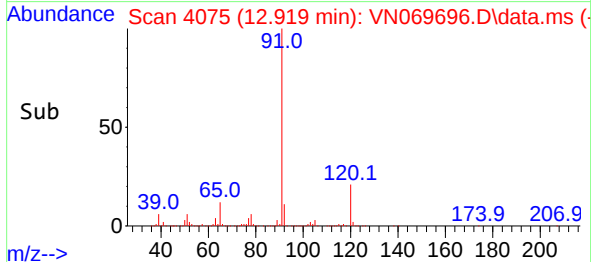
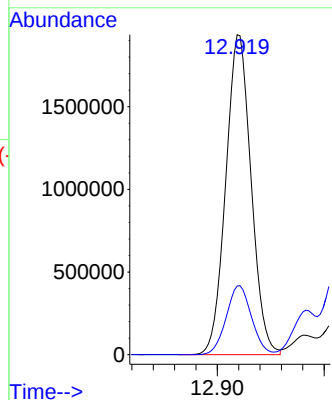
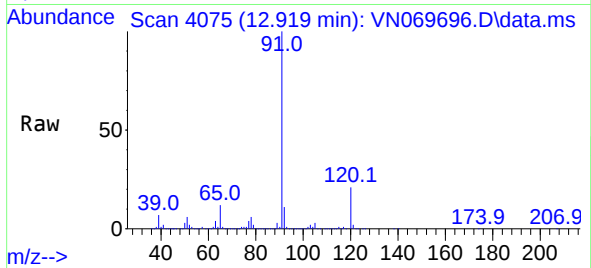




#78
n-propylbenzene
Concen: 25.30 ug/l
RT: 12.919 min Scan# 4075
Delta R.T. -0.002 min
Lab File: VN069696.D
Acq: 1 Dec 2021 17:25

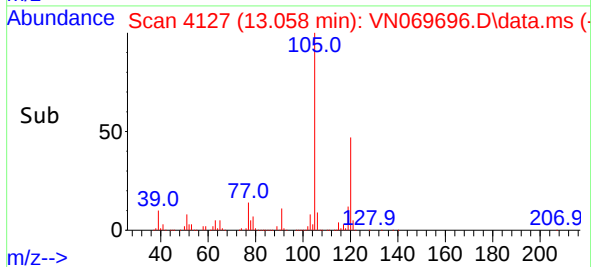
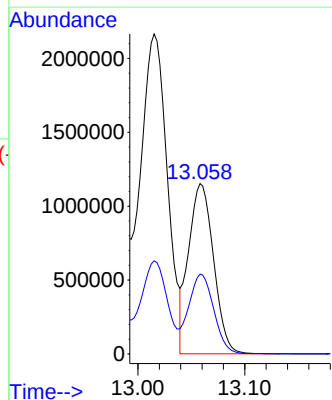
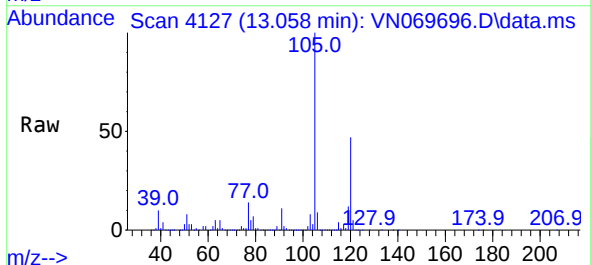
Instrument :
MSVOA_N
ClientSampleId :
INF-1221

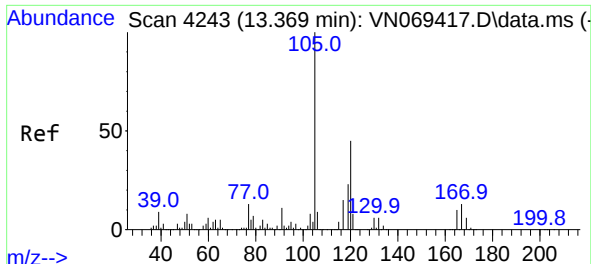
Tgt Ion: 91 Resp: 3184764
Ion Ratio Lower Upper
91 100
120 21.6 11.9 35.9



#80
1,3,5-Trimethylbenzene
Concen: 20.71 ug/l
RT: 13.058 min Scan# 4127
Delta R.T. -0.003 min
Lab File: VN069696.D
Acq: 1 Dec 2021 17:25

Tgt Ion: 105 Resp: 1872492
Ion Ratio Lower Upper
105 100
120 46.7 24.6 73.6

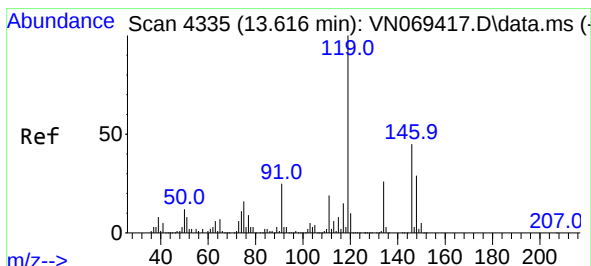
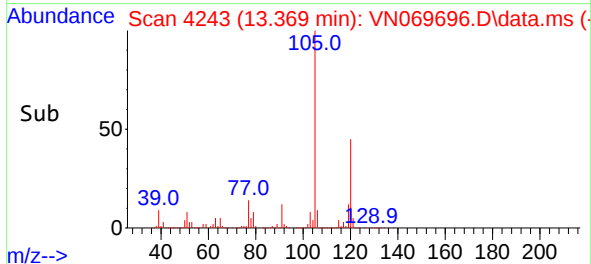
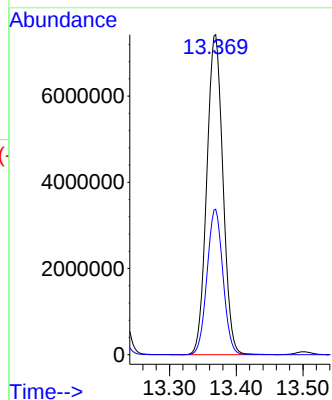
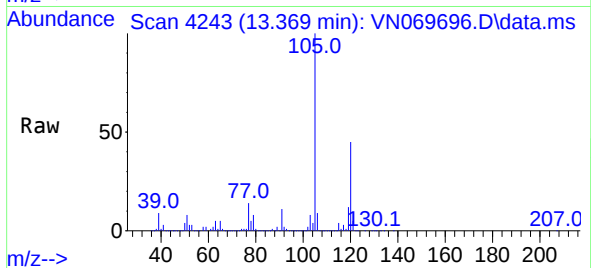




#84
1,2,4-Trimethylbenzene
Concen: 142.95 ug/l
RT: 13.369 min Scan# 4243
Delta R.T. 0.000 min
Lab File: VN069696.D
Acq: 1 Dec 2021 17:25

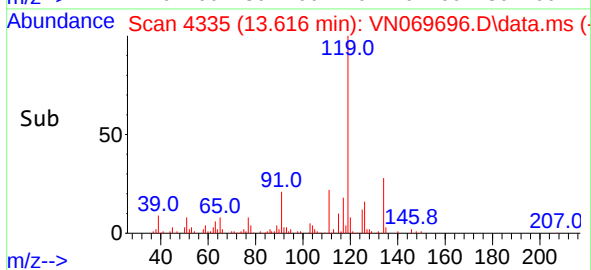
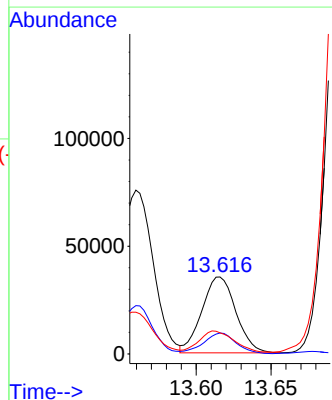
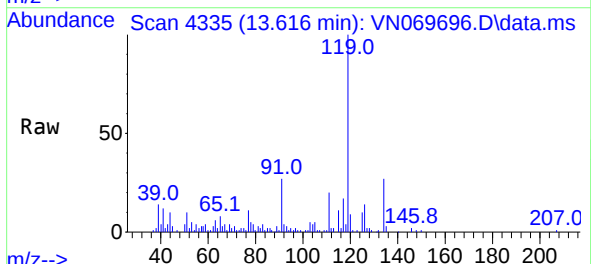
Instrument :
MSVOA_N
ClientSampleId :
INF-1221

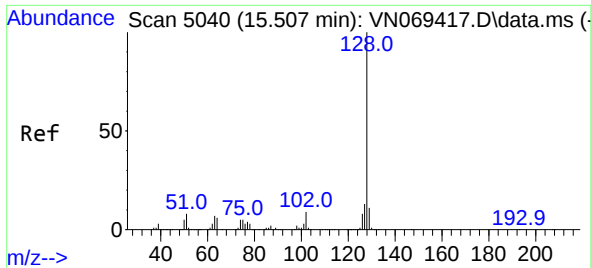
Tgt Ion:105 Resp:12480322
Ion Ratio Lower Upper
105 100
120 44.9 22.8 68.4



#86
p-Isopropyltoluene
Concen: 0.64 ug/l
RT: 13.616 min Scan# 4335
Delta R.T. -0.000 min
Lab File: VN069696.D
Acq: 1 Dec 2021 17:25

Tgt Ion:119 Resp: 55812
Ion Ratio Lower Upper
119 100
134 26.2 13.6 40.7
91 0.0 11.4 34.1#





#95

Naphthalene

Concen: 43.45 ug/l

RT: 15.504 min Scan# 50

Delta R.T. -0.003 min

Lab File: VN069696.D

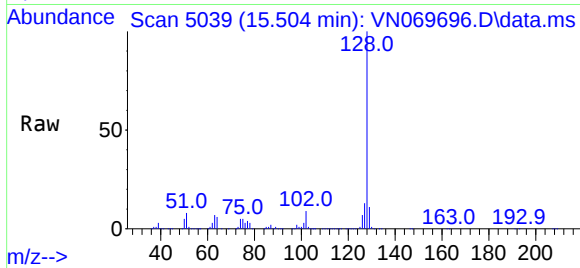
Acq: 1 Dec 2021 17:25

Instrument :

MSVOA_N

ClientSampleId :

INF-1221



Tgt Ion:128 Resp: 2669970

Ion Ratio Lower Upper

128 100

127 13.4 10.5 15.7

129 10.6 8.7 13.1

