

Data Path : Z:\voasrv\HPCHEM1\MSVOA_N\Data\VN102021\
 Data File : VN069075.D
 Acq On : 20 Oct 2021 20:48
 Operator : JC/MD
 Sample : M4253-11
 Misc : 5.00mL/MSVOA_N/WATER
 ALS Vial : 25 Sample Multiplier: 1

Instrument :
 MSVOA_N
 ClientSampleId :
 137-138

Quant Time: Oct 20 23:16:36 2021
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA_N\methods\82N101221W.M
 Quant Title : SW846 8260
 QLast Update : Wed Oct 13 05:44:40 2021
 Response via : Initial Calibration

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

Internal Standards						
1) Pentafluorobenzene	8.091	168	330661	50.000	ug/l	0.00
34) 1,4-Difluorobenzene	8.971	114	576584	50.000	ug/l	0.00
63) Chlorobenzene-d5	11.747	117	536061	50.000	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.678	152	253386	50.000	ug/l	0.00

System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	8.440	65	217085	49.794	ug/l	0.00
Spiked Amount	50.000	Range	61 - 141	Recovery	=	99.580%
35) Dibromofluoromethane	8.024	113	171071	50.996	ug/l	0.00
Spiked Amount	50.000	Range	69 - 133	Recovery	=	102.000%
50) Toluene-d8	10.443	98	715845	53.332	ug/l	0.00
Spiked Amount	50.000	Range	65 - 126	Recovery	=	106.660%
62) 4-Bromofluorobenzene	12.734	95	275002	54.304	ug/l	0.00
Spiked Amount	50.000	Range	58 - 135	Recovery	=	108.600%

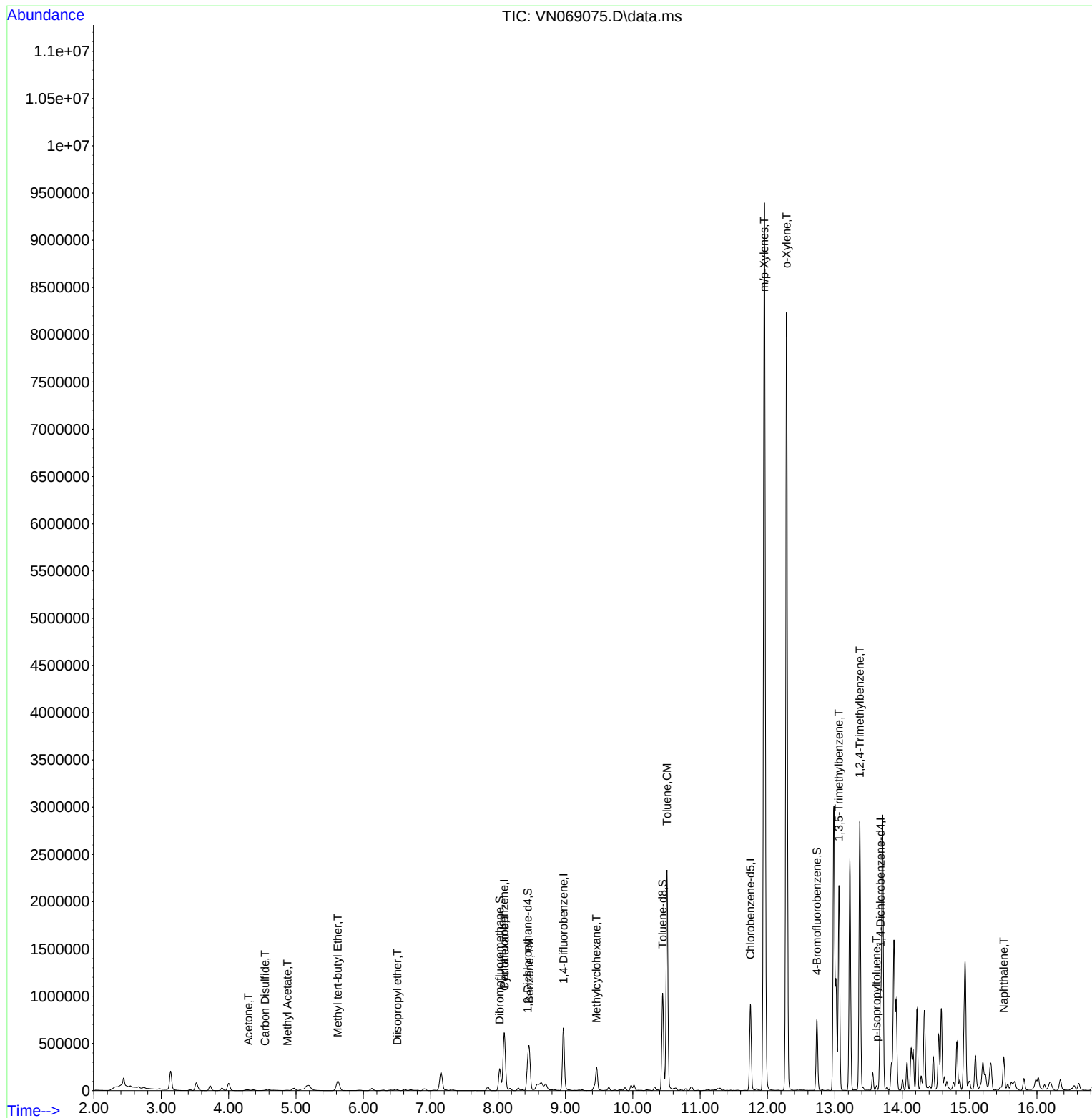
Target Compounds						Qvalue
16) Acetone	4.293	43	14753	9.068	ug/l	96
17) Carbon Disulfide	4.540	76	5141	0.593	ug/l	99
18) Methyl Acetate	4.873	43	7608	1.233	ug/l	95
19) Methyl tert-butyl Ether	5.618	73	107119	9.004	ug/l #	23
22) Diisopropyl ether	6.503	45	7639	0.641	ug/l	93
31) Cyclohexane	8.096	56	119943	17.695	ug/l #	88
39) Methylcyclohexane	9.462	83	110440	17.423	ug/l	98
40) Benzene	8.464	78	389227	25.954	ug/l	99
52) Toluene	10.508	92	1022905	106.017	ug/l	98
68) m/p-Xylenes	11.953	106	2986323	418.080	ug/l	100
69) o-Xylene	12.283	106	2253016	315.117	ug/l	99
80) 1,3,5-Trimethylbenzene	13.061	105	1218069	69.338	ug/l	99
84) 1,2,4-Trimethylbenzene	13.369	105	1663007	98.252	ug/l	99
86) p-Isopropyltoluene	13.619	119	28151	1.657	ug/l	100
95) Naphthalene	15.507	128	309762	28.146	ug/l	99

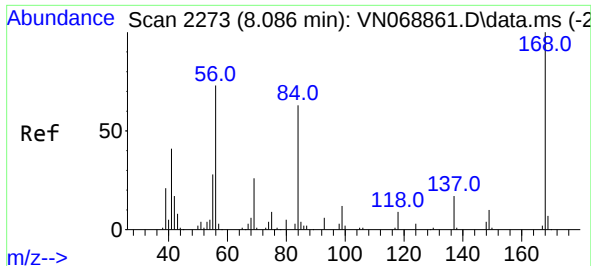
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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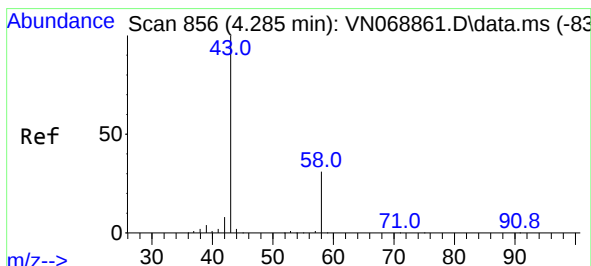
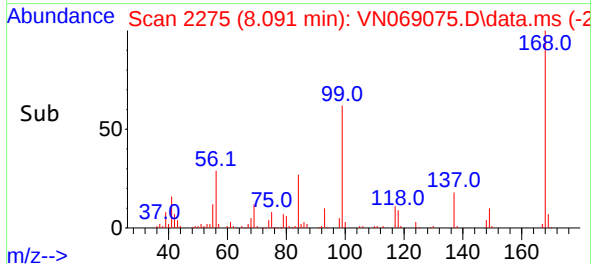
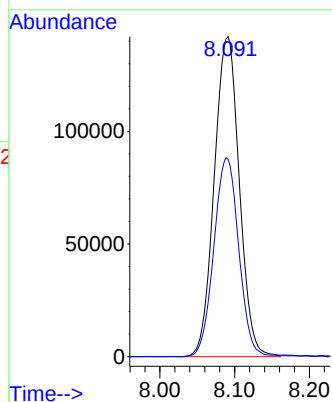
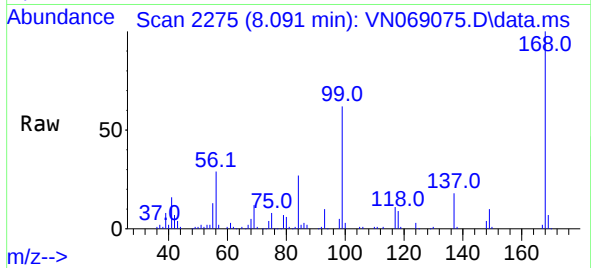




#1
Pentafluorobenzene
Concen: 50.000 ug/l
RT: 8.091 min Scan# 2275
Delta R.T. 0.005 min
Lab File: VN069075.D
Acq: 20 Oct 2021 20:48

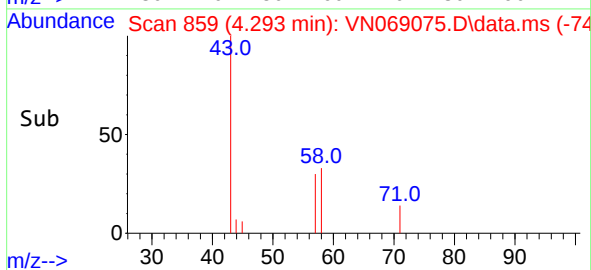
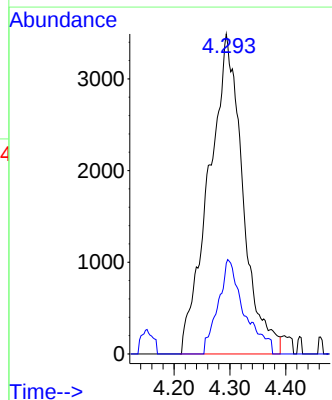
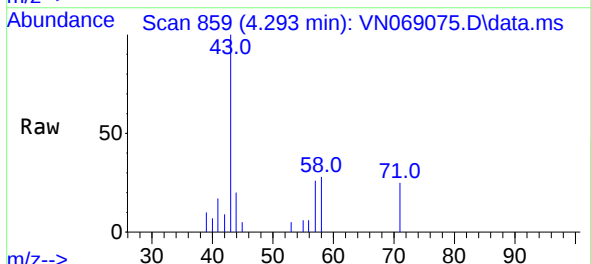
Instrument :
MSVOA_N
ClientSampleId :
137-138

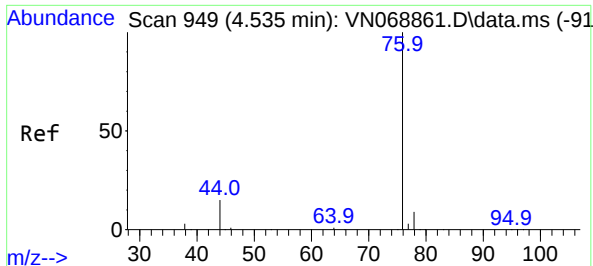
Tgt Ion:168 Resp: 330661
Ion Ratio Lower Upper
168 100
99 61.8 48.9 73.3



#16
Acetone
Concen: 9.068 ug/l
RT: 4.293 min Scan# 859
Delta R.T. 0.008 min
Lab File: VN069075.D
Acq: 20 Oct 2021 20:48

Tgt Ion: 43 Resp: 14753
Ion Ratio Lower Upper
43 100
58 28.3 24.5 36.7

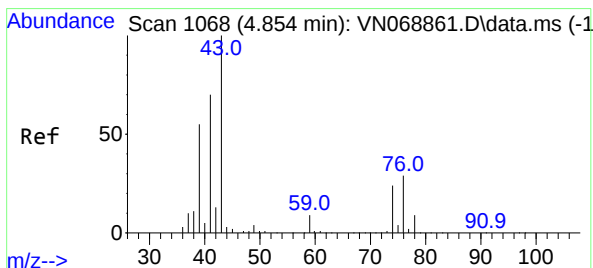
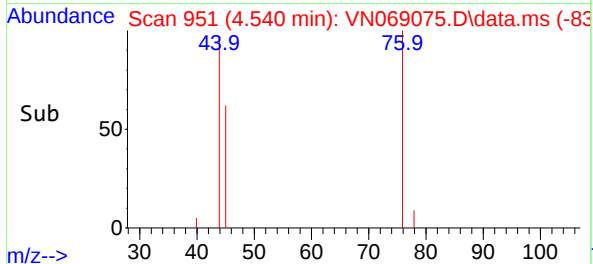
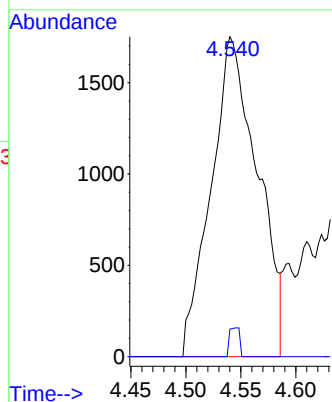
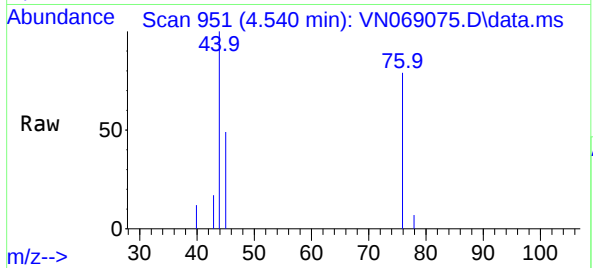




#17
Carbon Disulfide
Concen: 0.593 ug/l
RT: 4.540 min Scan# 951
Delta R.T. 0.005 min
Lab File: VN069075.D
Acq: 20 Oct 2021 20:48

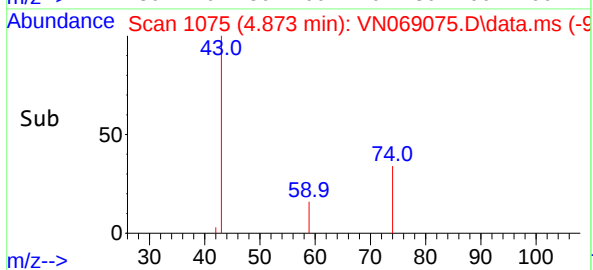
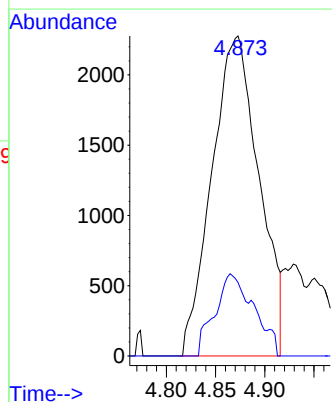
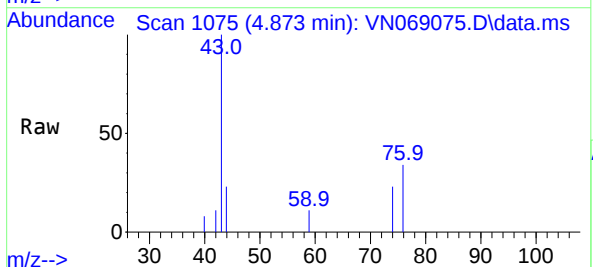
Instrument :
MSVOA_N
ClientSampleId :
137-138

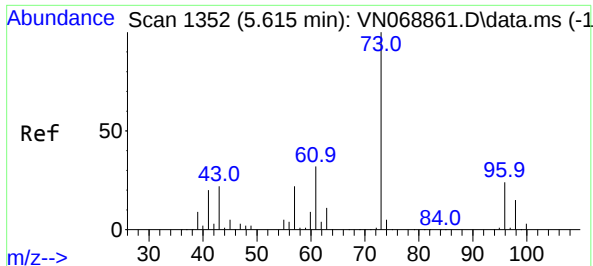
Tgt Ion: 76 Resp: 5141
Ion Ratio Lower Upper
76 100
78 8.6 7.2 10.8



#18
Methyl Acetate
Concen: 1.233 ug/l
RT: 4.873 min Scan# 1075
Delta R.T. 0.019 min
Lab File: VN069075.D
Acq: 20 Oct 2021 20:48

Tgt Ion: 43 Resp: 7608
Ion Ratio Lower Upper
43 100
74 21.2 18.9 28.3



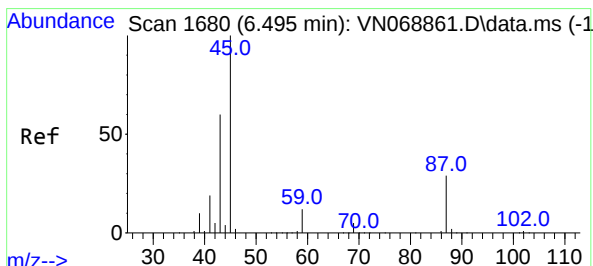
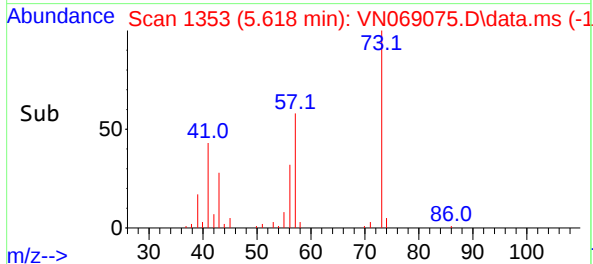
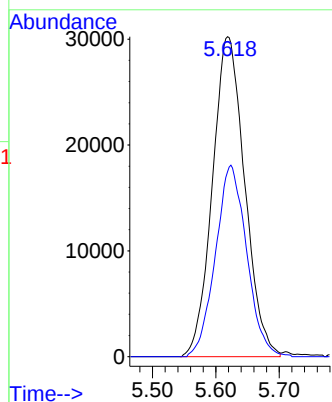
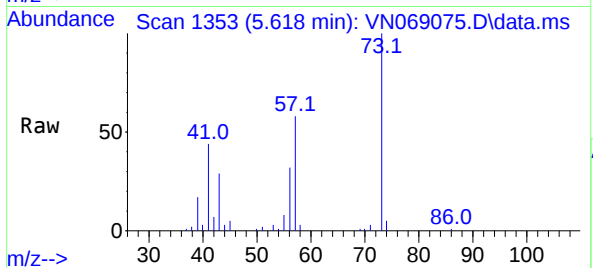


#19

Methyl tert-butyl Ether
Concen: 9.004 ug/l
RT: 5.618 min Scan# 1353
Delta R.T. 0.003 min
Lab File: VN069075.D
Acq: 20 Oct 2021 20:48

Instrument :
MSVOA_N
ClientSampled :
137-138

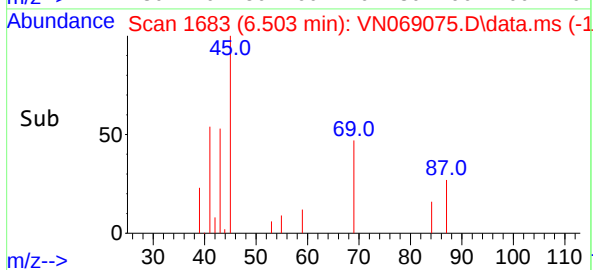
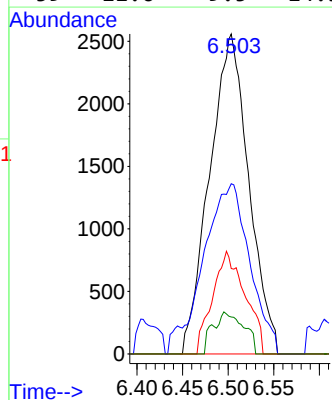
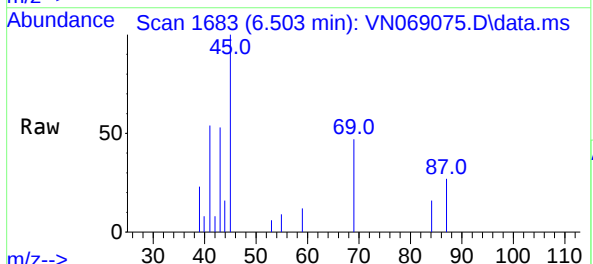
Tgt Ion: 73 Resp: 107119
Ion Ratio Lower Upper
73 100
57 57.8 17.3 25.9#

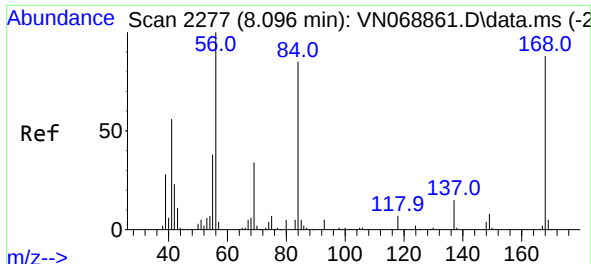


#22

Diisopropyl ether
Concen: 0.641 ug/l
RT: 6.503 min Scan# 1683
Delta R.T. 0.008 min
Lab File: VN069075.D
Acq: 20 Oct 2021 20:48

Tgt Ion: 45 Resp: 7639
Ion Ratio Lower Upper
45 100
43 53.2 48.0 72.0
87 26.7 23.4 35.0
59 11.6 9.5 14.3

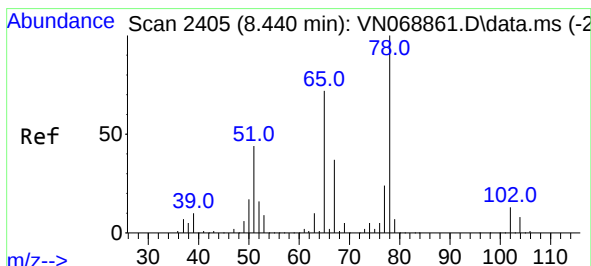
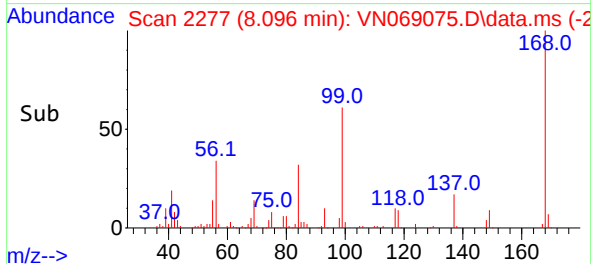
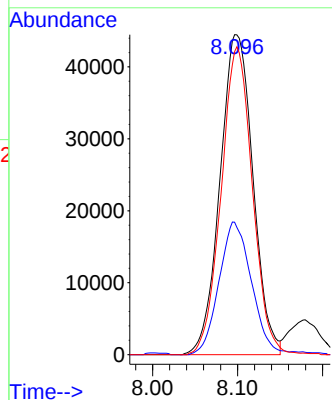
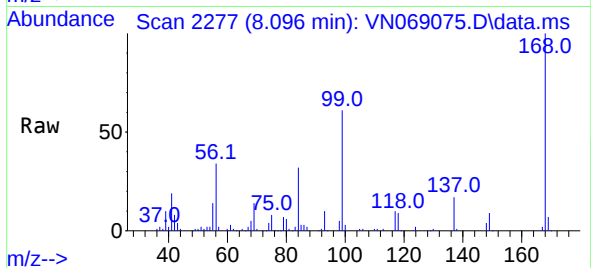




#31
Cyclohexane
Concen: 17.695 ug/l
RT: 8.096 min Scan# 2277
Delta R.T. 0.000 min
Lab File: VN069075.D
Acq: 20 Oct 2021 20:48

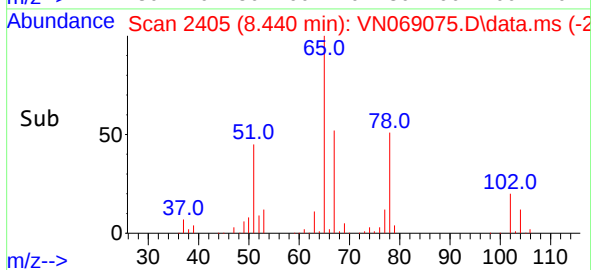
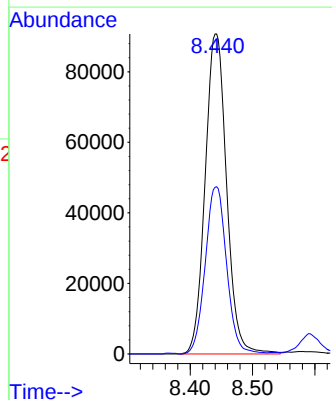
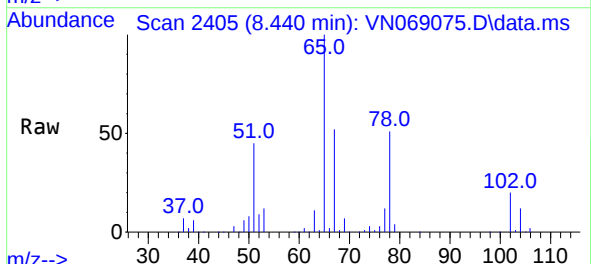
Instrument :
MSVOA_N
ClientSampleId :
137-138

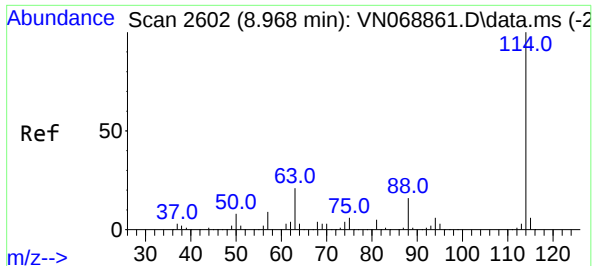
Tgt Ion: 56 Resp: 119943
Ion Ratio Lower Upper
56 100
69 41.4 26.9 40.3#
84 94.7 67.6 101.4



#33
1,2-Dichloroethane-d4
Concen: 49.794 ug/l
RT: 8.440 min Scan# 2405
Delta R.T. 0.000 min
Lab File: VN069075.D
Acq: 20 Oct 2021 20:48

Tgt Ion: 65 Resp: 217085
Ion Ratio Lower Upper
65 100
67 52.1 0.0 103.8



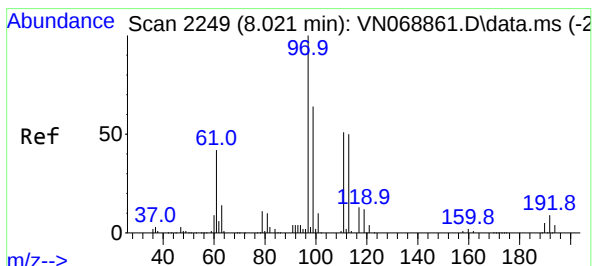
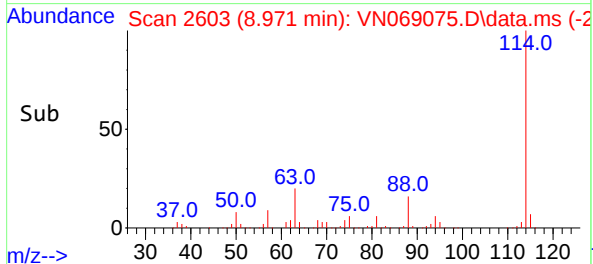
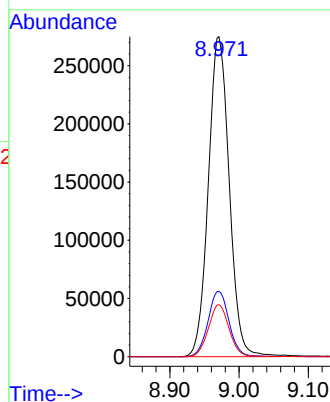
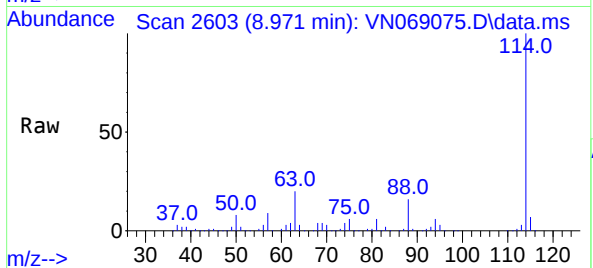


#34

1,4-Difluorobenzene
Concen: 50.000 ug/l
RT: 8.971 min Scan# 2603
Delta R.T. 0.003 min
Lab File: VN069075.D
Acq: 20 Oct 2021 20:48

Instrument :
MSVOA_N
ClientSampleId :
137-138

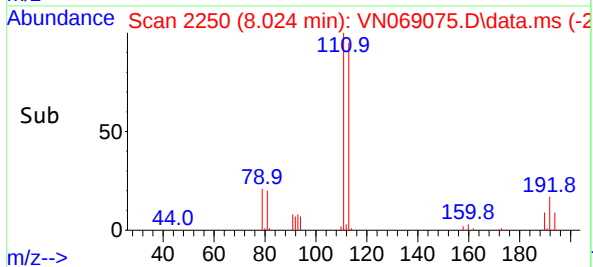
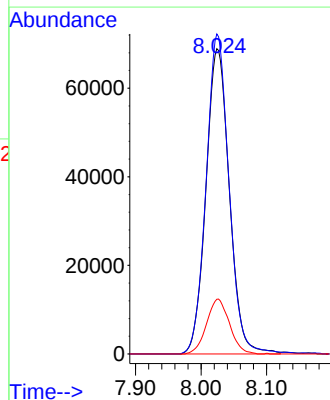
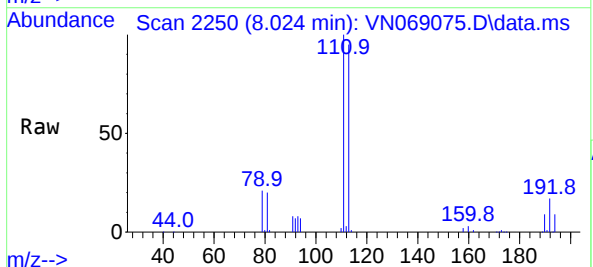
Tgt Ion:114 Resp: 576584
Ion Ratio Lower Upper
114 100
63 20.4 0.0 42.6
88 16.3 0.0 32.0

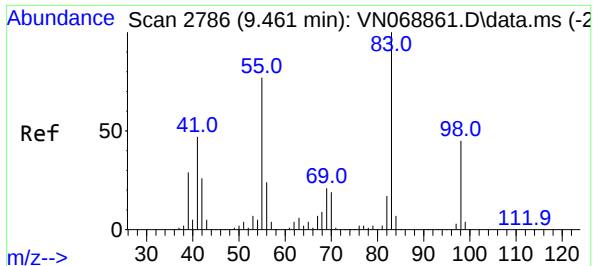


#35

Dibromofluoromethane
Concen: 50.996 ug/l
RT: 8.024 min Scan# 2250
Delta R.T. 0.003 min
Lab File: VN069075.D
Acq: 20 Oct 2021 20:48

Tgt Ion:113 Resp: 171071
Ion Ratio Lower Upper
113 100
111 102.4 83.2 124.8
192 17.6 15.0 22.4





#39

Methylcyclohexane

Concen: 17.423 ug/l

RT: 9.462 min Scan# 2786

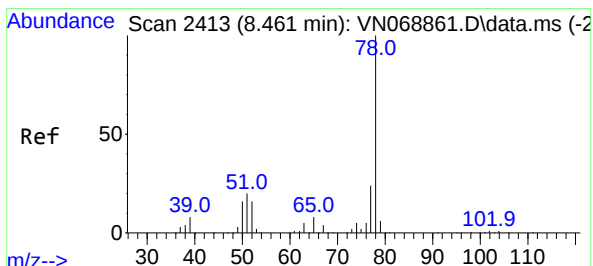
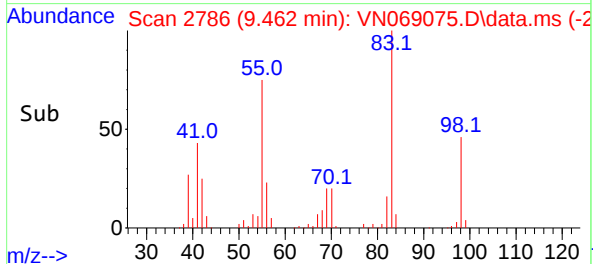
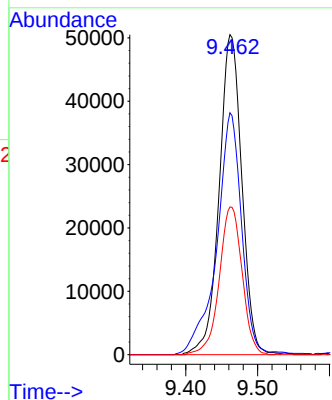
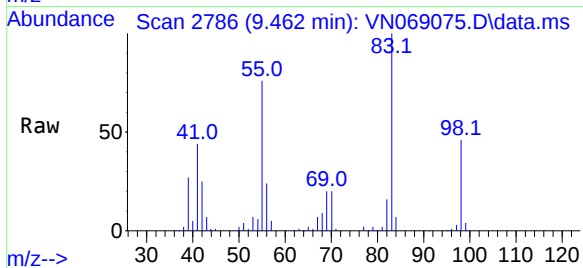
Delta R.T. 0.000 min

Lab File: VN069075.D

Acq: 20 Oct 2021 20:48

Tgt Ion: 83 Resp: 110440

Ion	Ratio	Lower	Upper
83	100		
55	74.9	61.4	92.0
98	46.2	36.4	54.6



#40

Benzene

Concen: 25.954 ug/l

RT: 8.464 min Scan# 2414

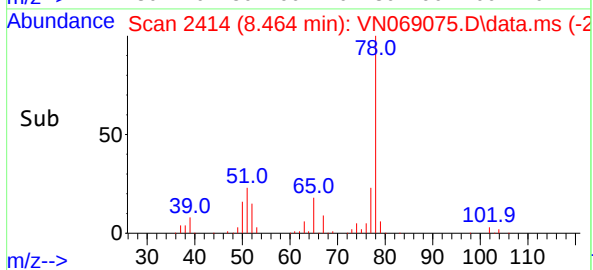
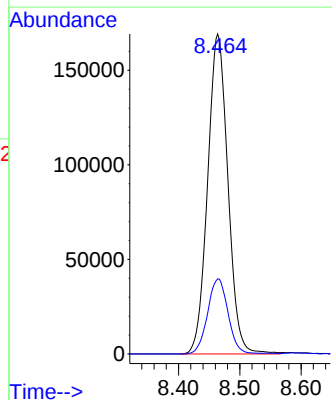
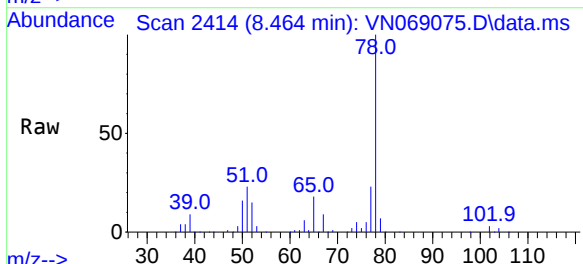
Delta R.T. 0.003 min

Lab File: VN069075.D

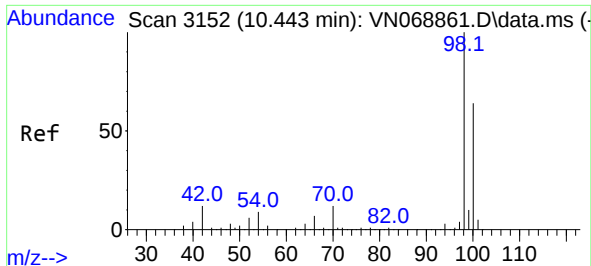
Acq: 20 Oct 2021 20:48

Tgt Ion: 78 Resp: 389227

Ion	Ratio	Lower	Upper
78	100		
77	23.4	19.1	28.7



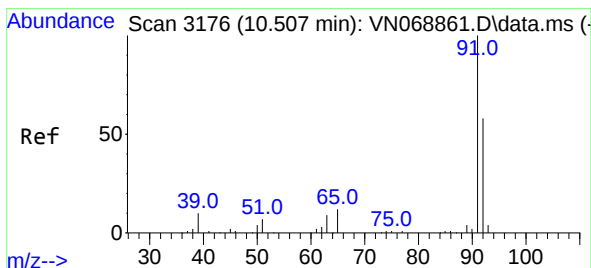
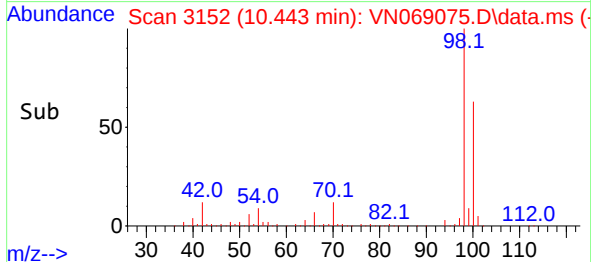
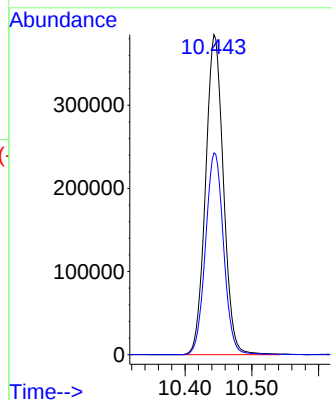
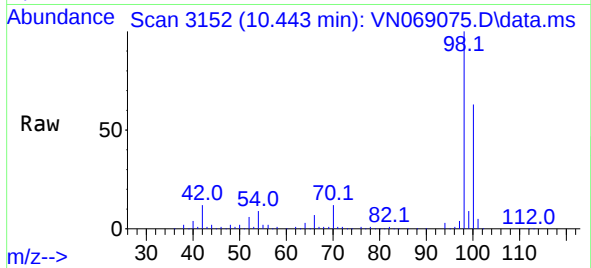
Instrument :
MSVOA_N
ClientSampleId :
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#50
Toluene-d8
Concen: 53.332 ug/l
RT: 10.443 min Scan# 3152
Delta R.T. 0.000 min
Lab File: VN069075.D
Acq: 20 Oct 2021 20:48

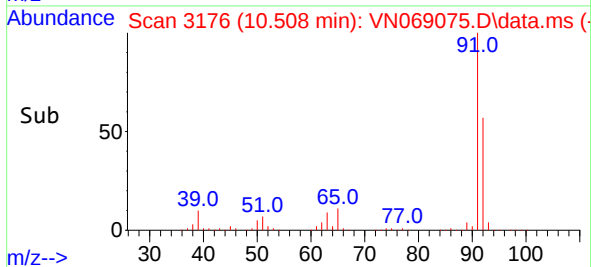
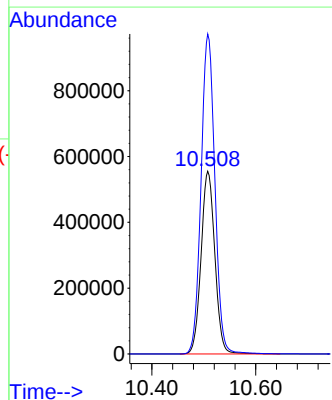
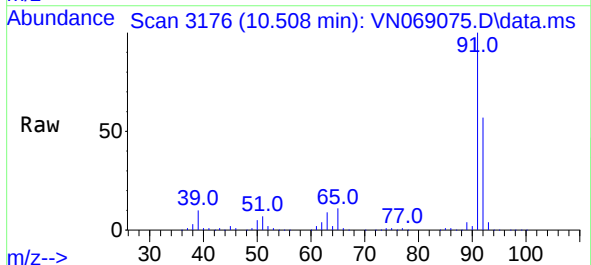
Instrument :
MSVOA_N
ClientSampleId :
137-138

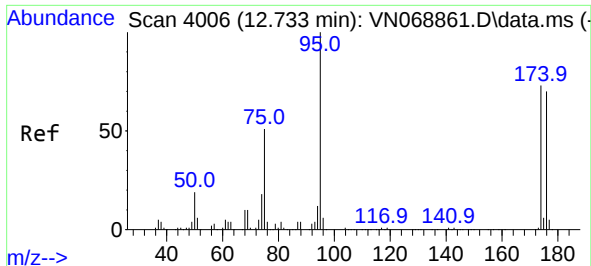
Tgt Ion: 98 Resp: 715845
Ion Ratio Lower Upper
98 100
100 64.0 51.5 77.3



#52
Toluene
Concen: 106.017 ug/l
RT: 10.508 min Scan# 3176
Delta R.T. 0.000 min
Lab File: VN069075.D
Acq: 20 Oct 2021 20:48

Tgt Ion: 92 Resp: 1022905
Ion Ratio Lower Upper
92 100
91 175.8 138.5 207.7

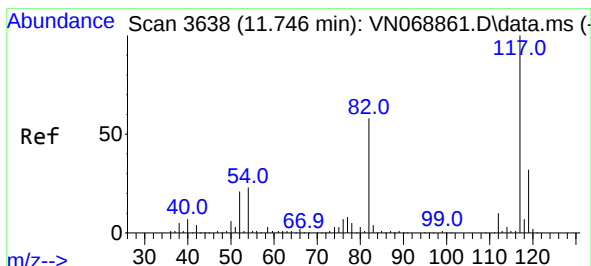
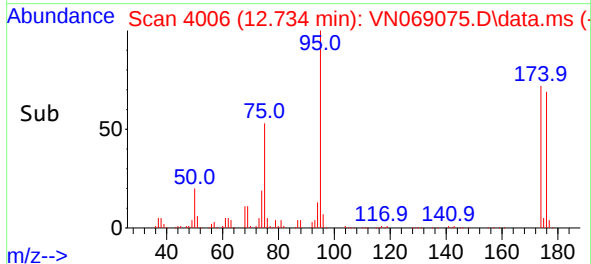
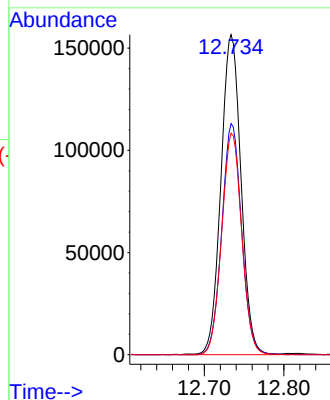
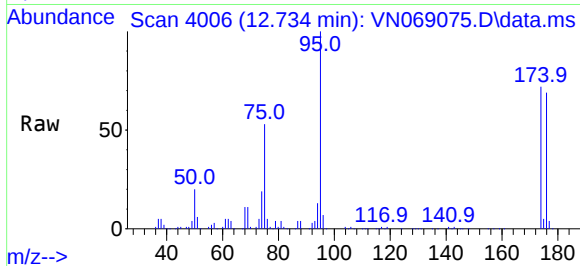




#62
4-Bromofluorobenzene
Concen: 54.304 ug/l
RT: 12.734 min Scan# 4006
Delta R.T. 0.000 min
Lab File: VN069075.D
Acq: 20 Oct 2021 20:48

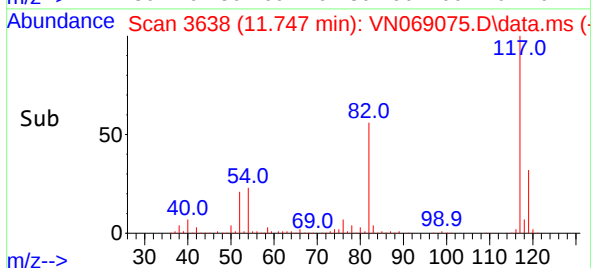
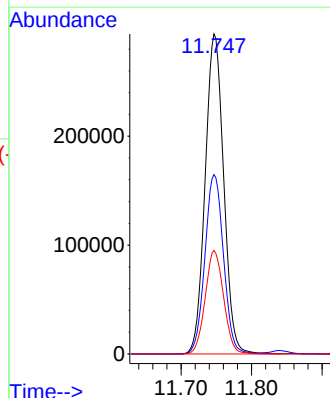
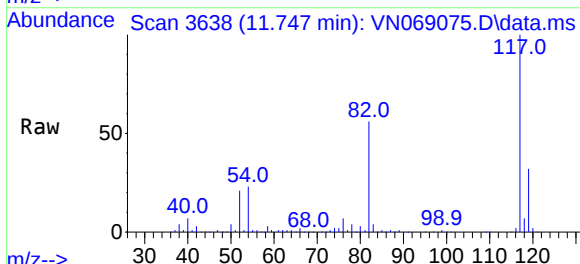
Instrument :
MSVOA_N
ClientSampleId :
137-138

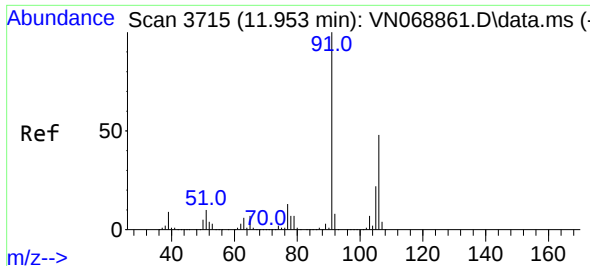
Tgt Ion: 95 Resp: 275002
Ion Ratio Lower Upper
95 100
174 71.2 0.0 144.8
176 68.9 0.0 140.0



#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 11.747 min Scan# 3638
Delta R.T. 0.000 min
Lab File: VN069075.D
Acq: 20 Oct 2021 20:48

Tgt Ion: 117 Resp: 536061
Ion Ratio Lower Upper
117 100
82 56.0 46.4 69.6
119 32.3 26.0 39.0

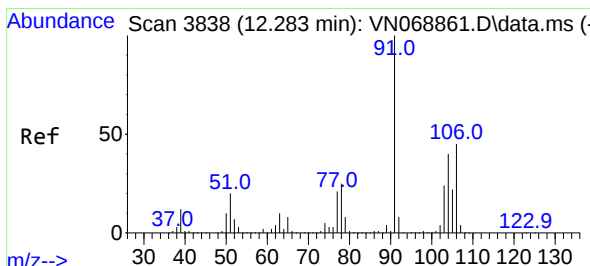
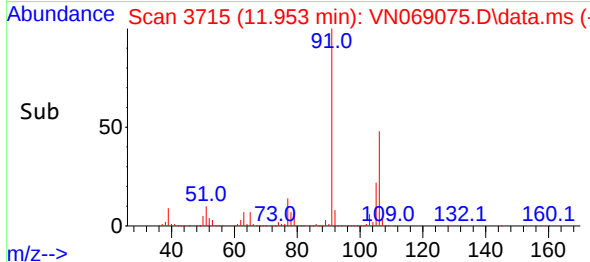
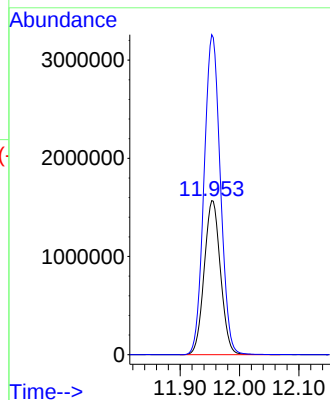
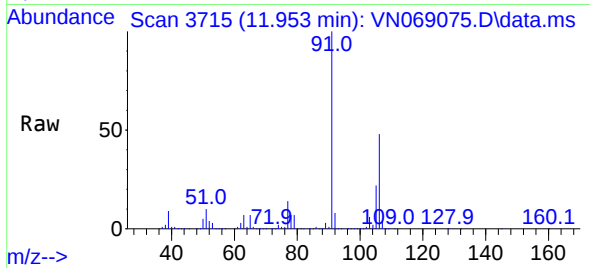




#68
m/p-Xylenes
Concen: 418.080 ug/l
RT: 11.953 min Scan# 3715
Delta R.T. 0.000 min
Lab File: VN069075.D
Acq: 20 Oct 2021 20:48

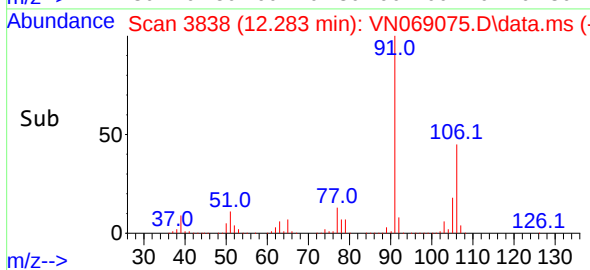
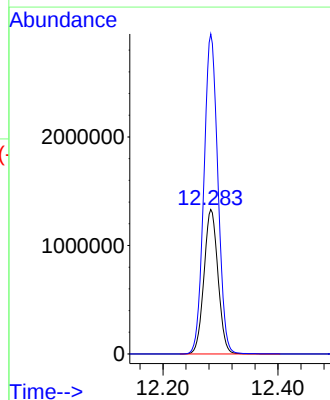
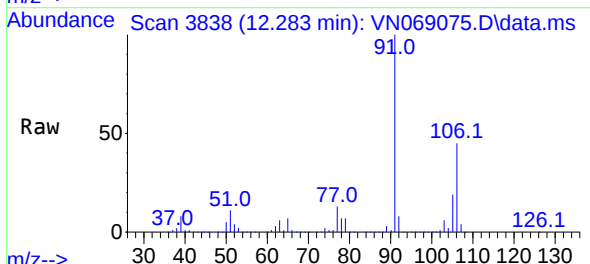
Instrument :
MSVOA_N
ClientSampleId :
137-138

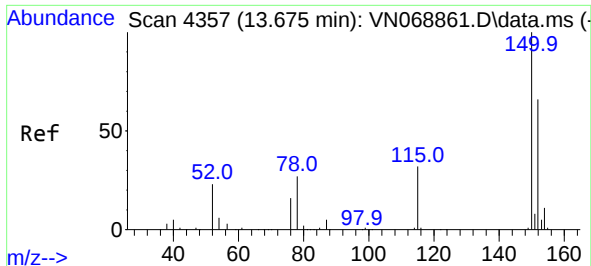
Tgt Ion:106 Resp: 2986323
Ion Ratio Lower Upper
106 100
91 208.6 166.8 250.2



#69
o-Xylene
Concen: 315.117 ug/l
RT: 12.283 min Scan# 3838
Delta R.T. 0.000 min
Lab File: VN069075.D
Acq: 20 Oct 2021 20:48

Tgt Ion:106 Resp: 2253016
Ion Ratio Lower Upper
106 100
91 221.4 109.6 328.6

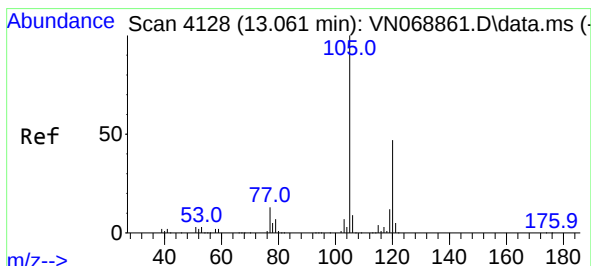
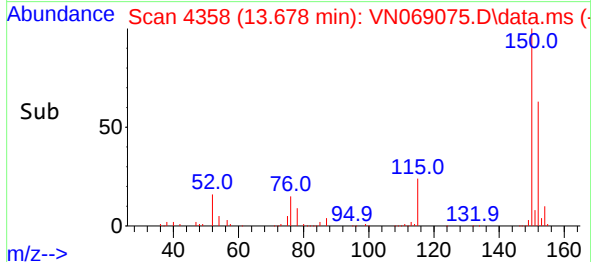
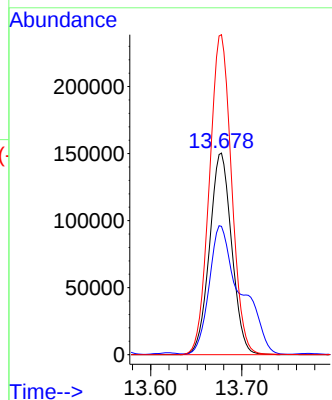
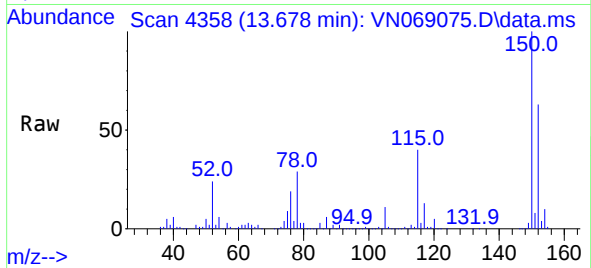




#72
1,4-Dichlorobenzene-d4
Concen: 50.000 ug/l
RT: 13.678 min Scan# 4358
Delta R.T. 0.003 min
Lab File: VN069075.D
Acq: 20 Oct 2021 20:48

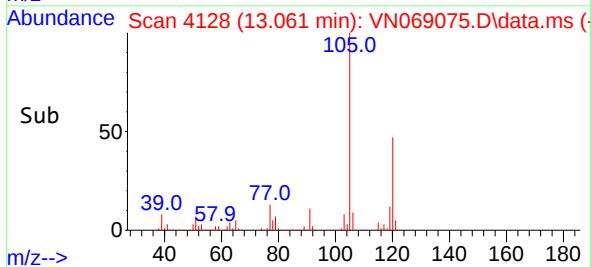
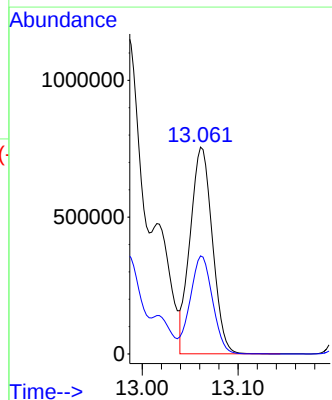
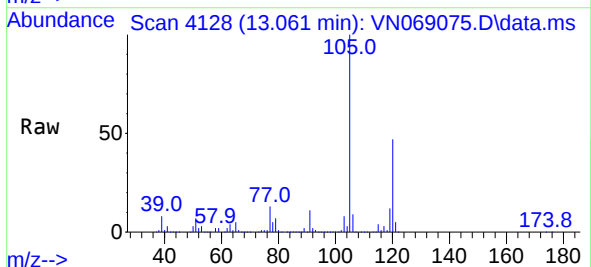
Instrument :
MSVOA_N
ClientSampled :
137-138

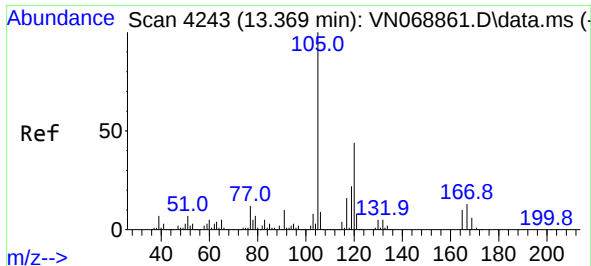
Tgt Ion:152 Resp: 253386
Ion Ratio Lower Upper
152 100
115 90.8 31.4 94.3
150 159.2 0.0 351.0



#80
1,3,5-Trimethylbenzene
Concen: 69.338 ug/l
RT: 13.061 min Scan# 4128
Delta R.T. 0.000 min
Lab File: VN069075.D
Acq: 20 Oct 2021 20:48

Tgt Ion:105 Resp: 1218069
Ion Ratio Lower Upper
105 100
120 47.7 23.4 70.2

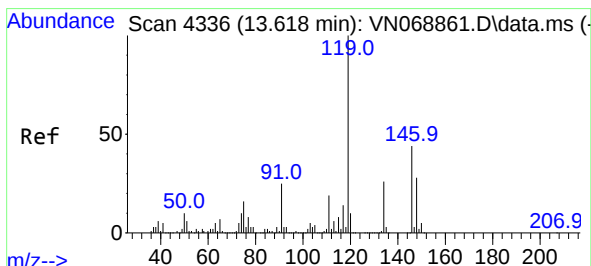
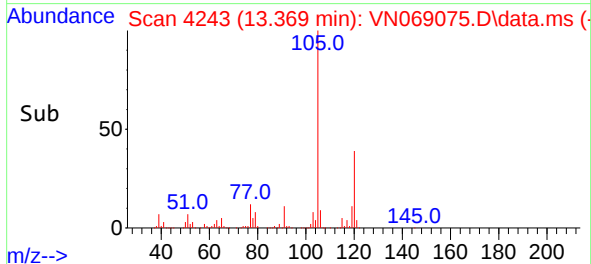
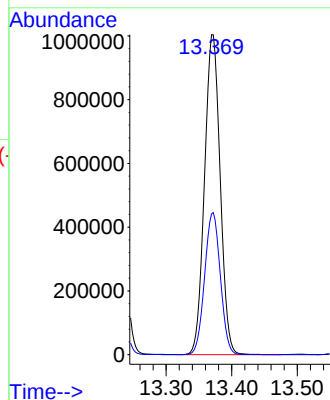
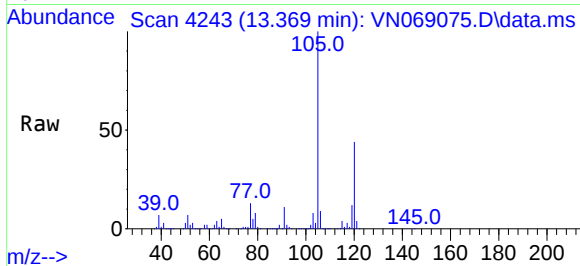




#84
1,2,4-Trimethylbenzene
Concen: 98.252 ug/l
RT: 13.369 min Scan# 4243
Delta R.T. 0.000 min
Lab File: VN069075.D
Acq: 20 Oct 2021 20:48

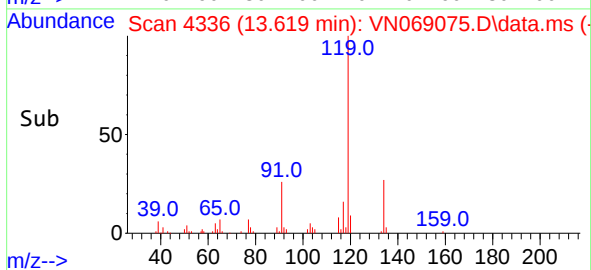
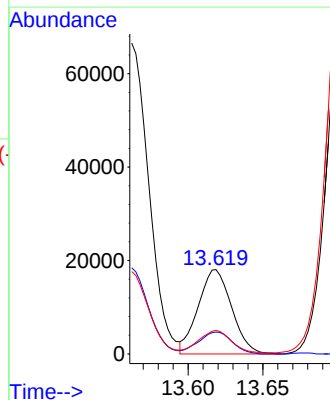
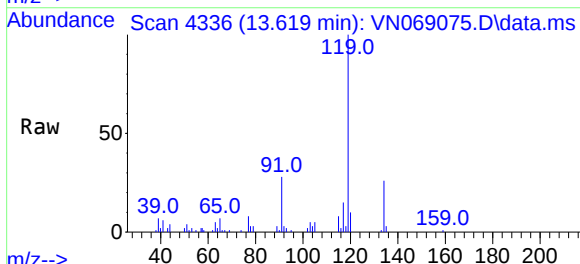
Instrument :
MSVOA_N
ClientSampled :
137-138

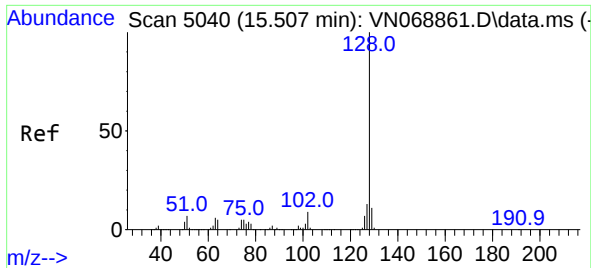
Tgt Ion:105 Resp: 1663007
Ion Ratio Lower Upper
105 100
120 44.6 21.9 65.5



#86
p-Isopropyltoluene
Concen: 1.657 ug/l
RT: 13.619 min Scan# 4336
Delta R.T. 0.000 min
Lab File: VN069075.D
Acq: 20 Oct 2021 20:48

Tgt Ion:119 Resp: 28151
Ion Ratio Lower Upper
119 100
134 26.0 12.9 38.6
91 25.5 12.8 38.4





#95
Naphthalene
Concen: 28.146 ug/l
RT: 15.507 min Scan# 5040
Delta R.T. -0.000 min
Lab File: VN069075.D
Acq: 20 Oct 2021 20:48

Instrument :
MSVOA_N
ClientSampleId :
137-138

Tgt Ion:128 Resp: 309762
Ion Ratio Lower Upper
128 100
127 13.4 10.5 15.7
129 11.3 8.9 13.3

