

Data Path : Z:\voasrv\HPCHEM1\MSVOA_N\Data\VN120921\
 Data File : VN069921.D
 Acq On : 9 Dec 2021 19:19
 Operator : JC/MD
 Sample : M4969-06
 Misc : 5.00mL/MSVOA_N/WATER
 ALS Vial : 19 Sample Multiplier: 1

Instrument :
 MSVOA_N
 ClientSampleId :
 M-10

Quant Time: Dec 10 06:21:08 2021
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA_N\methods\82N120221W.M
 Quant Title : SW846 8260
 QLast Update : Fri Dec 03 08:46:47 2021
 Response via : Initial Calibration

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

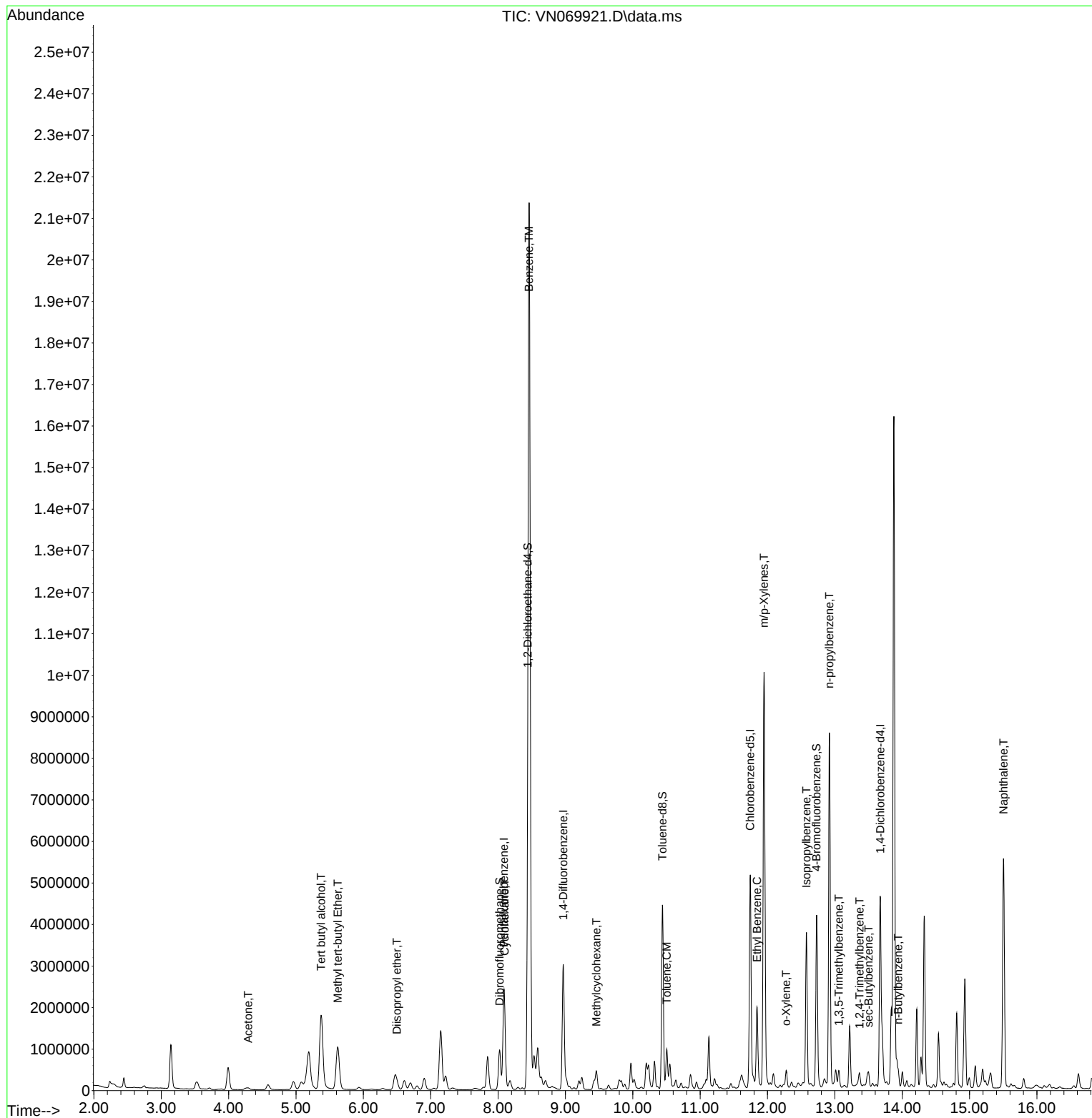
Internal Standards						
1) Pentafluorobenzene	8.086	168	1239350	50.000	ug/l	0.00
34) 1,4-Difluorobenzene	8.968	114	2254963	50.000	ug/l	0.00
63) Chlorobenzene-d5	11.744	117	2580959	50.000	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.675	152	1197608	50.000	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	8.440	65	940814	49.166	ug/l	0.00
Spiked Amount	50.000	Range	61 - 141	Recovery	=	98.340%
35) Dibromofluoromethane	8.021	113	688651	48.755	ug/l	0.00
Spiked Amount	50.000	Range	69 - 133	Recovery	=	97.520%
50) Toluene-d8	10.440	98	2989762	52.716	ug/l	0.00
Spiked Amount	50.000	Range	65 - 126	Recovery	=	105.440%
62) 4-Bromofluorobenzene	12.728	95	1329036	64.684	ug/l	0.00
Spiked Amount	50.000	Range	58 - 135	Recovery	=	129.360%
Target Compounds						
					Qvalue	
11) Tert butyl alcohol	5.374	59	3362262	929.549	ug/l	99
16) Acetone	4.291	43	86743	7.536	ug/l	91
19) Methyl tert-butyl Ether	5.621	73	1270030	27.668	ug/l #	62
22) Diisopropyl ether	6.498	45	194974	3.750	ug/l	89
31) Cyclohexane	8.096	56	508393	19.091	ug/l	89
39) Methylcyclohexane	9.459	83	180740	7.078	ug/l	88
40) Benzene	8.458	78	20811398	317.174	ug/l	94
52) Toluene	10.505	92	391745	9.779	ug/l	99
67) Ethyl Benzene	11.843	91	1295473	13.621	ug/l	97
68) m/p-Xylenes	11.948	106	3004038	86.745	ug/l	93
69) o-Xylene	12.278	106	103998	2.981	ug/l	93
73) Isopropylbenzene	12.578	105	2391140	22.441	ug/l	99
78) n-propylbenzene	12.919	91	6838201	57.672	ug/l	96
80) 1,3,5-Trimethylbenzene	13.058	105	188503	2.198	ug/l	97
84) 1,2,4-Trimethylbenzene	13.366	105	135730	1.662	ug/l	98
85) sec-Butylbenzene	13.501	105	203806	1.979	ug/l #	68
89) n-Butylbenzene	13.940	91	230445	3.528	ug/l #	78
95) Naphthalene	15.504	128	4937736	81.628	ug/l	99

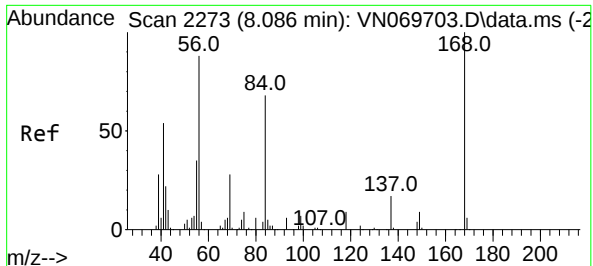
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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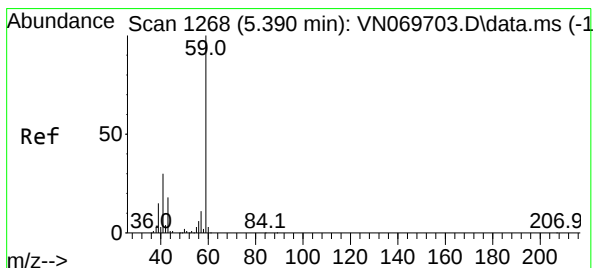
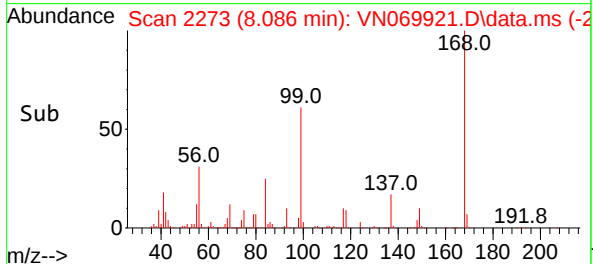
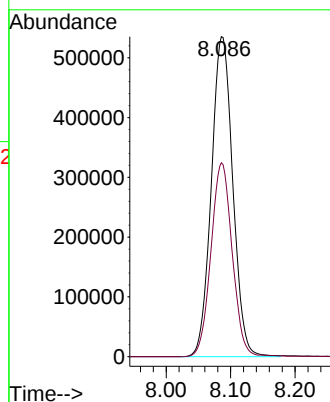
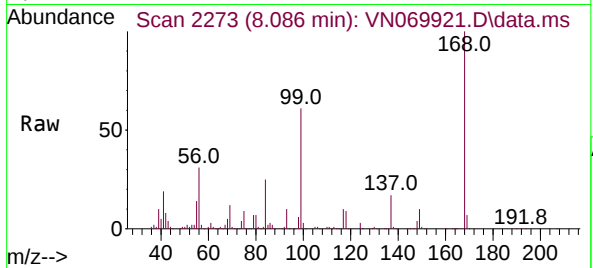




#1
Pentafluorobenzene
Concen: 50.000 ug/l
RT: 8.086 min Scan# 21
Delta R.T. -0.000 min
Lab File: VN069921.D
Acq: 9 Dec 2021 19:19

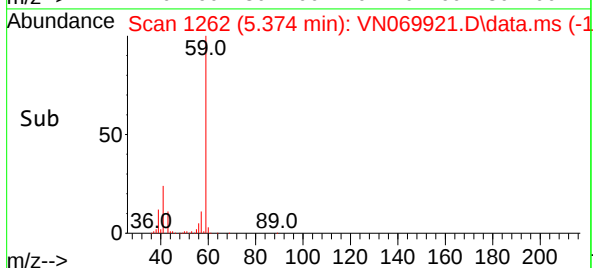
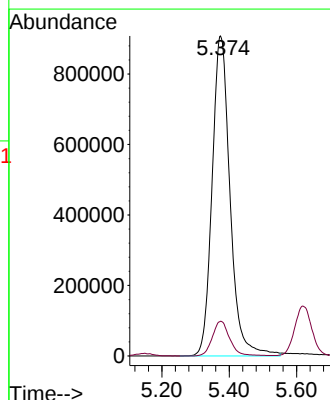
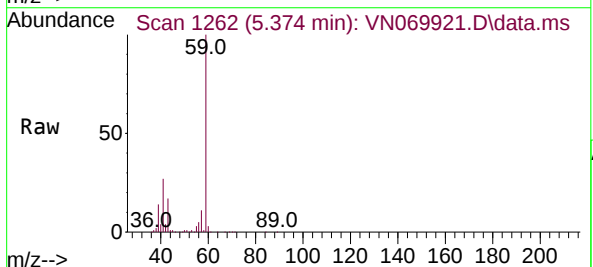
Instrument :
MSVOA_N
ClientSampleId :
M-10

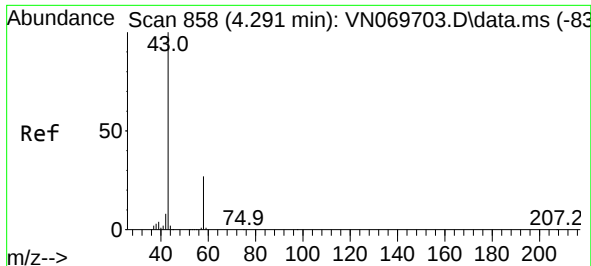
Tgt Ion:168 Resp: 1239350
Ion Ratio Lower Upper
168 100
99 60.6 41.3 61.9



#11
Tert butyl alcohol
Concen: 929.549 ug/l
RT: 5.374 min Scan# 1262
Delta R.T. -0.016 min
Lab File: VN069921.D
Acq: 9 Dec 2021 19:19

Tgt Ion: 59 Resp: 3362262
Ion Ratio Lower Upper
59 100
57 10.6 8.7 13.1

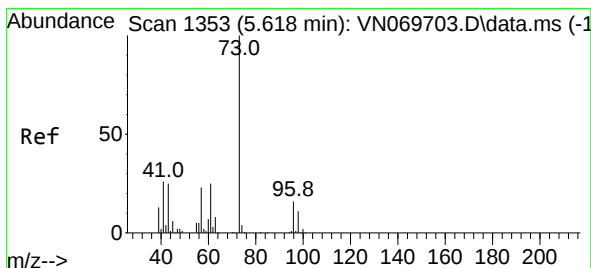
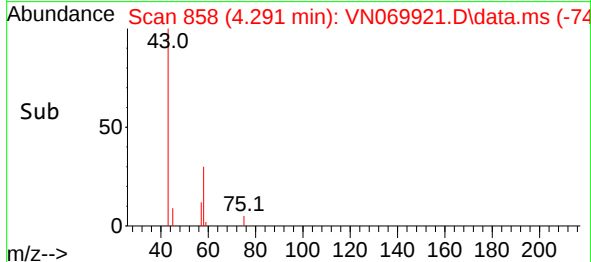
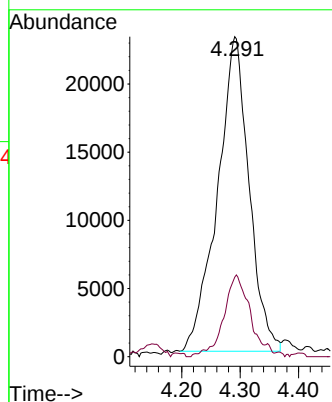
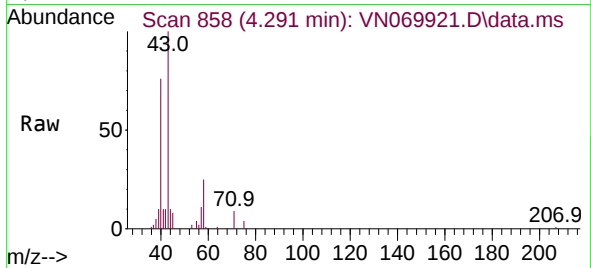




#16
Acetone
Concen: 7.536 ug/l
RT: 4.291 min Scan# 858
Delta R.T. 0.000 min
Lab File: VN069921.D
Acq: 9 Dec 2021 19:19

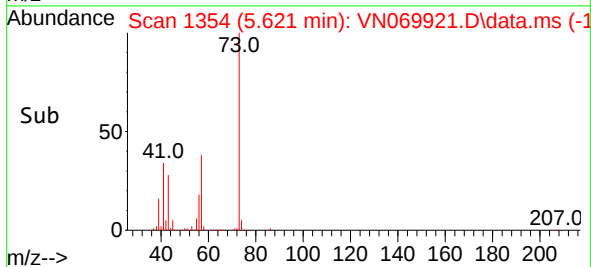
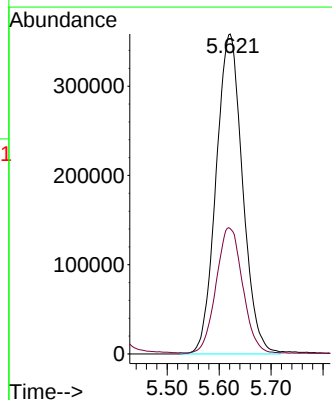
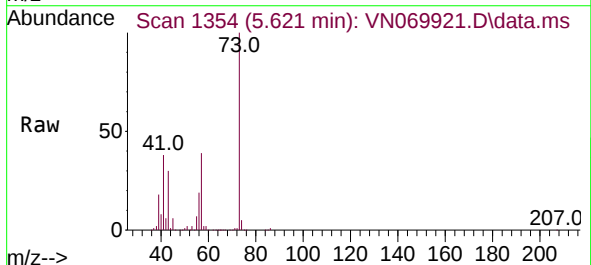
Instrument :
MSVOA_N
ClientSampleId :
M-10

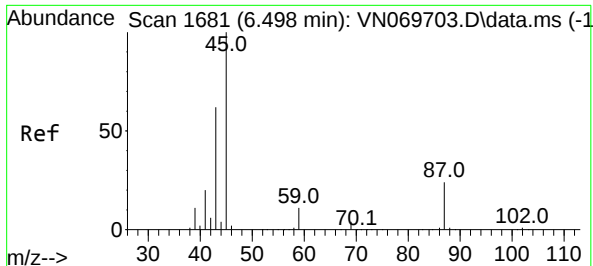
Tgt Ion: 43 Resp: 86743
Ion Ratio Lower Upper
43 100
58 24.3 23.1 34.7



#19
Methyl tert-butyl Ether
Concen: 27.668 ug/l
RT: 5.621 min Scan# 1354
Delta R.T. 0.003 min
Lab File: VN069921.D
Acq: 9 Dec 2021 19:19

Tgt Ion: 73 Resp: 1270030
Ion Ratio Lower Upper
73 100
57 38.8 16.8 25.2#

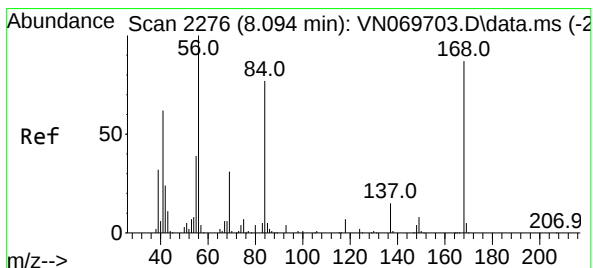
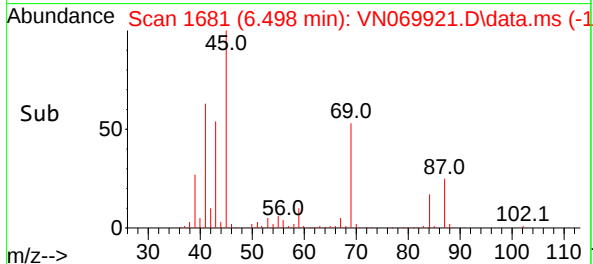
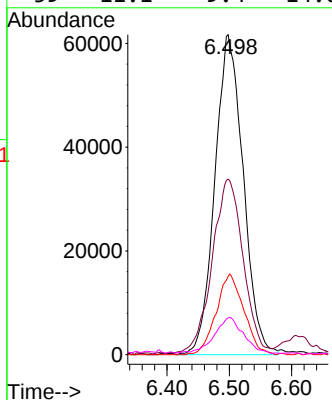
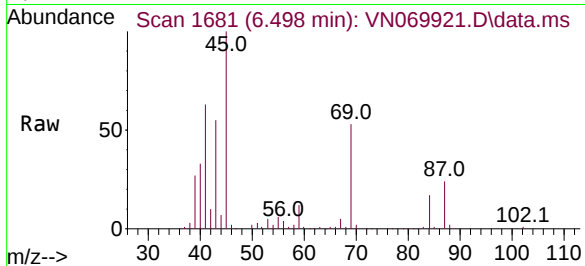




#22
Diisopropyl ether
Concen: 3.750 ug/l
RT: 6.498 min Scan# 1
Delta R.T. 0.000 min
Lab File: VN069921.D
Acq: 9 Dec 2021 19:19

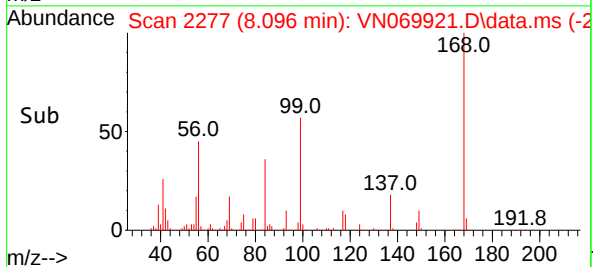
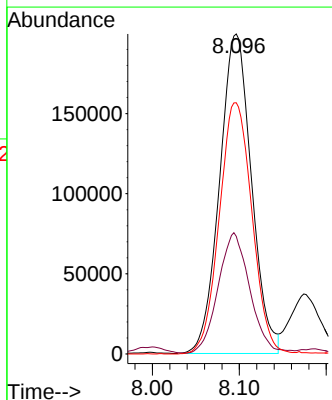
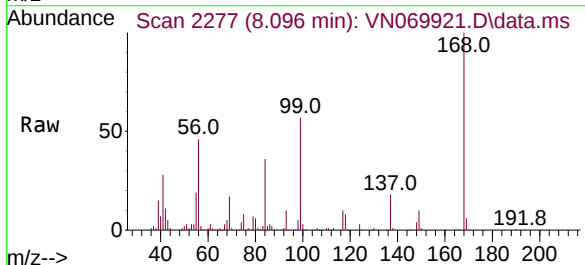
Instrument :
MSVOA_N
ClientSampleId :
M-10

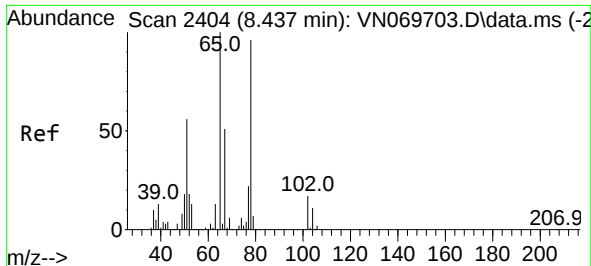
Tgt Ion:	45	Resp:	194974
Ion	Ratio	Lower	Upper
45	100		
43	54.0	51.7	77.5
87	24.5	23.2	34.8
59	11.1	9.4	14.0



#31
Cyclohexane
Concen: 19.091 ug/l
RT: 8.096 min Scan# 2277
Delta R.T. 0.003 min
Lab File: VN069921.D
Acq: 9 Dec 2021 19:19

Tgt Ion:	56	Resp:	508393
Ion	Ratio	Lower	Upper
56	100		
69	36.4	27.1	40.7
84	78.7	73.4	110.0





#33

1,2-Dichloroethane-d4

Concen: 49.166 ug/l

RT: 8.440 min Scan# 2404

Delta R.T. 0.003 min

Lab File: VN069921.D

Acq: 9 Dec 2021 19:19

Instrument :

MSVOA_N

ClientSampleId :

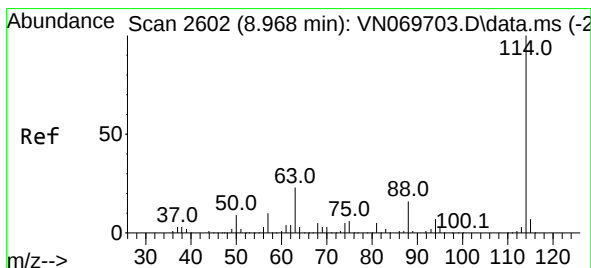
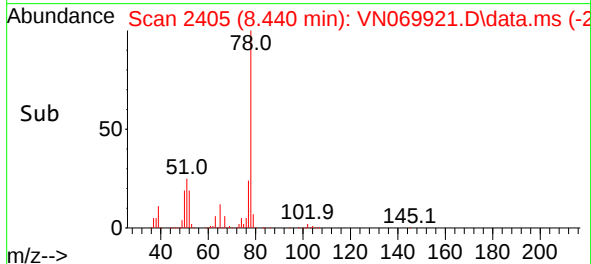
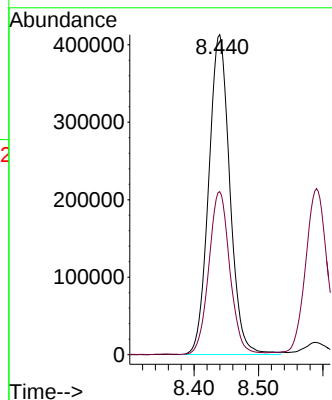
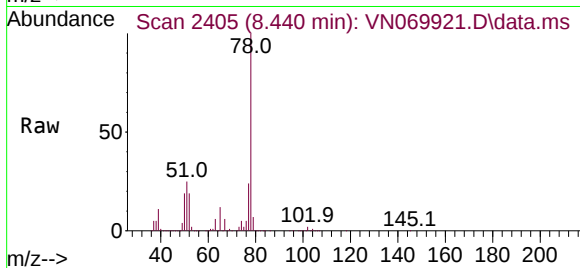
M-10

Tgt Ion: 65 Resp: 940814

Ion Ratio Lower Upper

65 100

67 50.7 0.0 103.0



#34

1,4-Difluorobenzene

Concen: 50.000 ug/l

RT: 8.968 min Scan# 2602

Delta R.T. 0.000 min

Lab File: VN069921.D

Acq: 9 Dec 2021 19:19

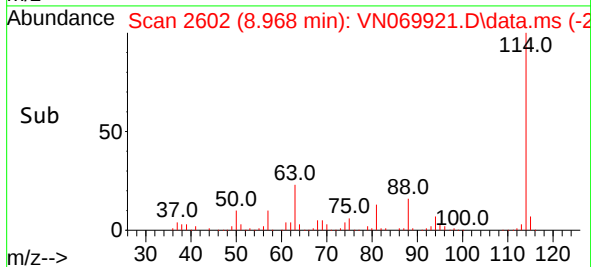
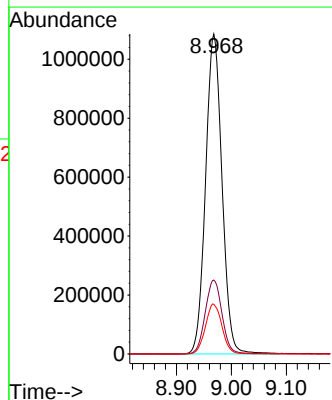
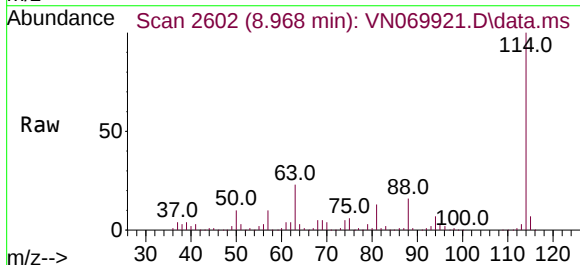
Tgt Ion: 114 Resp: 2254963

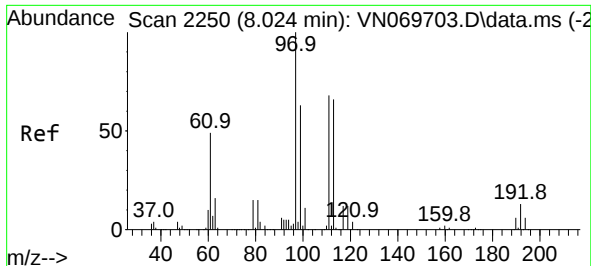
Ion Ratio Lower Upper

114 100

63 23.1 0.0 37.8

88 15.5 0.0 27.4

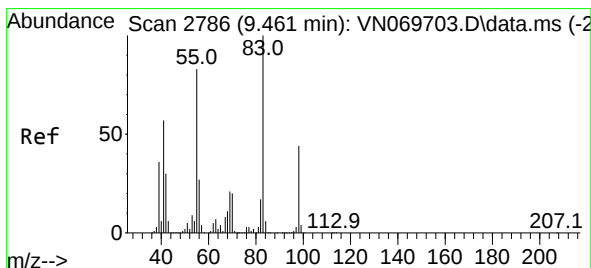
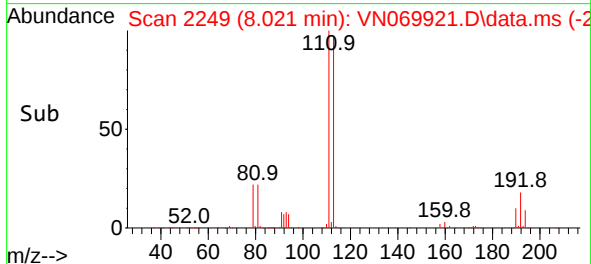
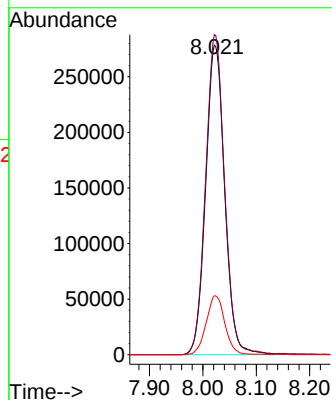
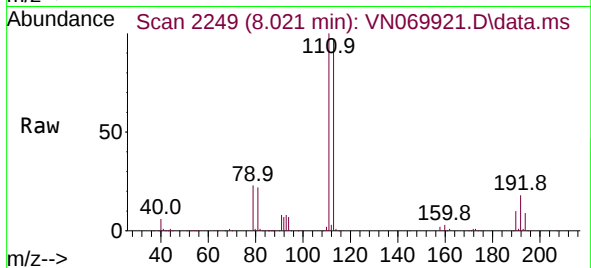




#35
Dibromofluoromethane
Concen: 48.755 ug/l
RT: 8.021 min Scan# 211
Delta R.T. -0.003 min
Lab File: VN069921.D
Acq: 9 Dec 2021 19:19

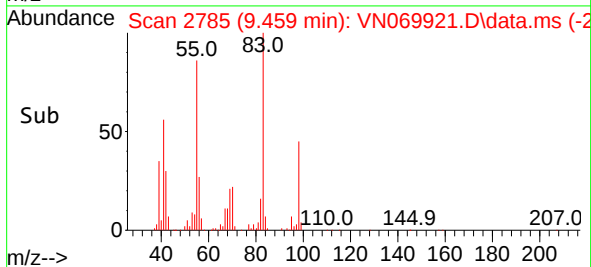
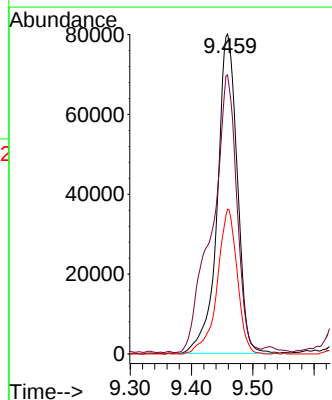
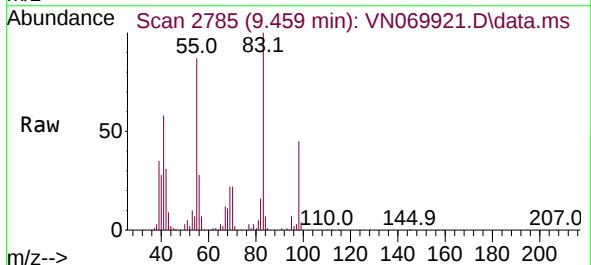
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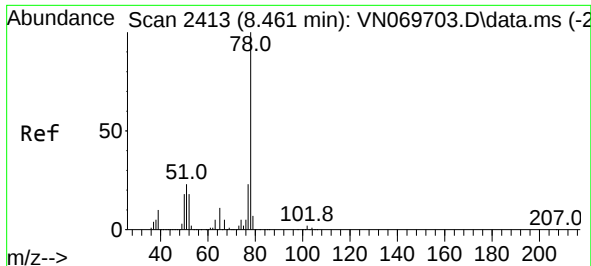
Tgt Ion:113 Resp: 688651
Ion Ratio Lower Upper
113 100
111 103.4 82.2 123.2
192 18.7 16.9 25.3



#39
Methylcyclohexane
Concen: 7.078 ug/l
RT: 9.459 min Scan# 2785
Delta R.T. -0.003 min
Lab File: VN069921.D
Acq: 9 Dec 2021 19:19

Tgt Ion: 83 Resp: 180740
Ion Ratio Lower Upper
83 100
55 86.8 58.1 87.1
98 45.3 38.4 57.6

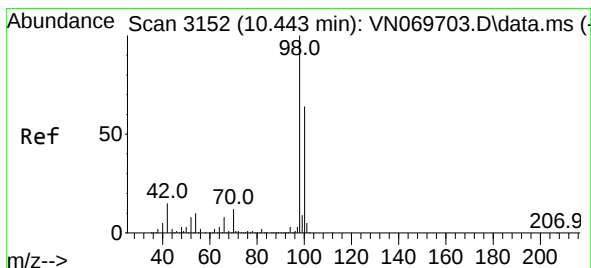
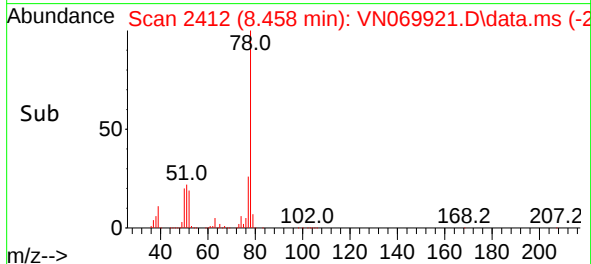
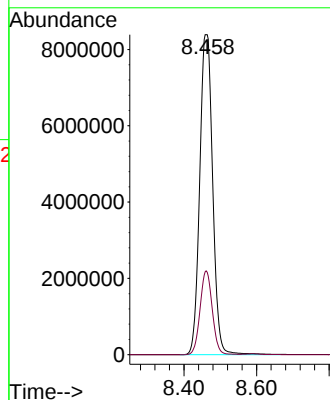
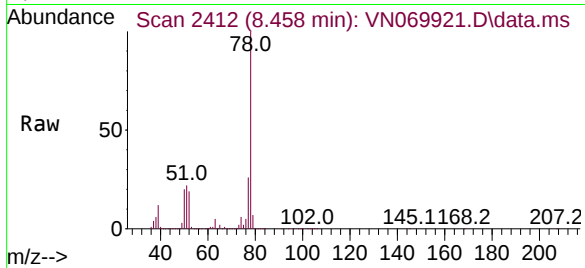




#40
Benzene
Concen: 317.174 ug/l
RT: 8.458 min Scan# 2413
Delta R.T. -0.003 min
Lab File: VN069921.D
Acq: 9 Dec 2021 19:19

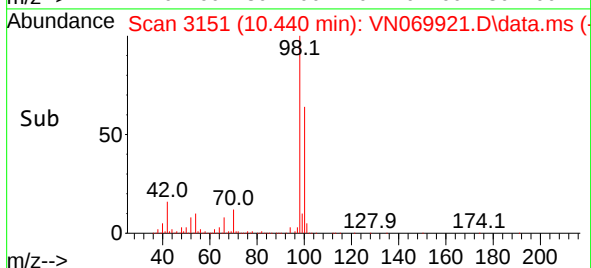
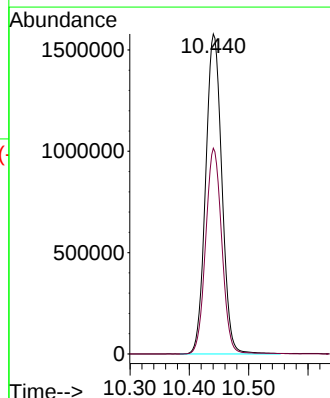
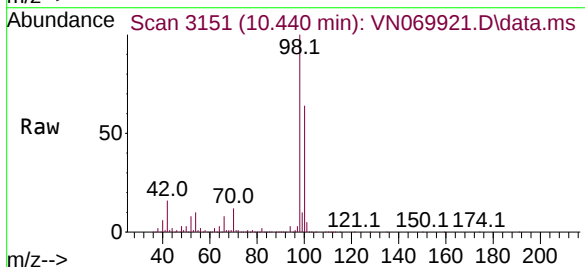
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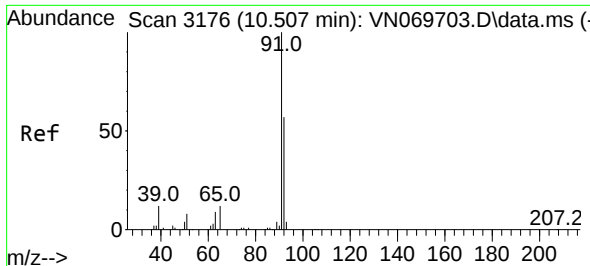
Tgt Ion: 78 Resp: 20811398
Ion Ratio Lower Upper
78 100
77 25.9 18.6 27.8



#50
Toluene-d8
Concen: 52.716 ug/l
RT: 10.440 min Scan# 3151
Delta R.T. -0.003 min
Lab File: VN069921.D
Acq: 9 Dec 2021 19:19

Tgt Ion: 98 Resp: 2989762
Ion Ratio Lower Upper
98 100
100 63.8 50.4 75.6

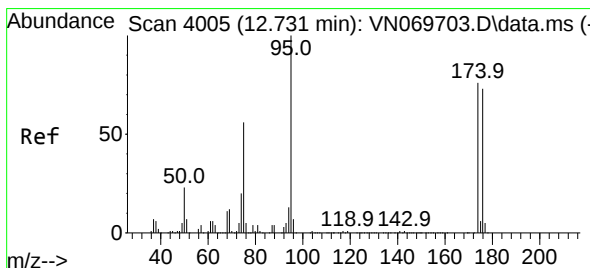
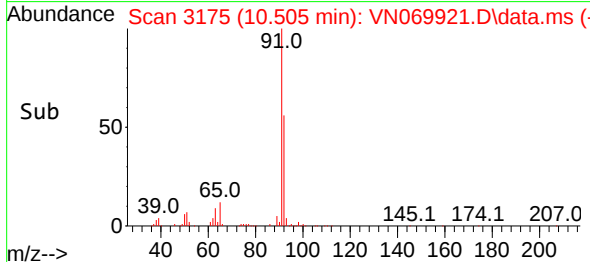
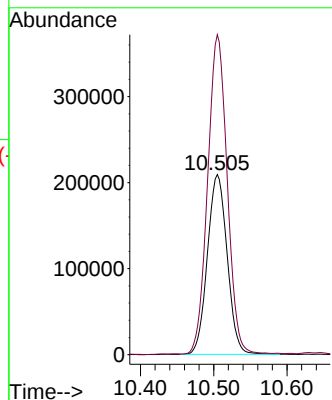
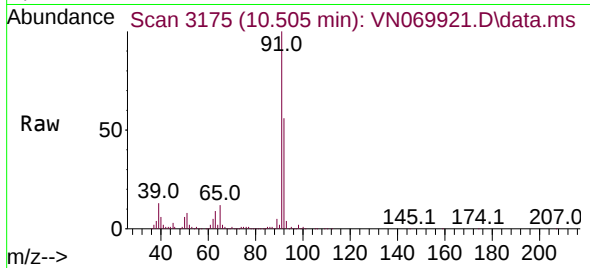




#52
Toluene
Concen: 9.779 ug/l
RT: 10.505 min Scan# 3176
Delta R.T. -0.003 min
Lab File: VN069921.D
Acq: 9 Dec 2021 19:19

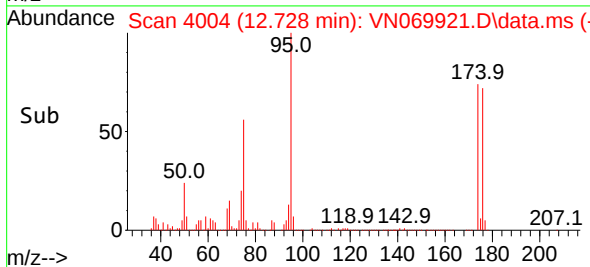
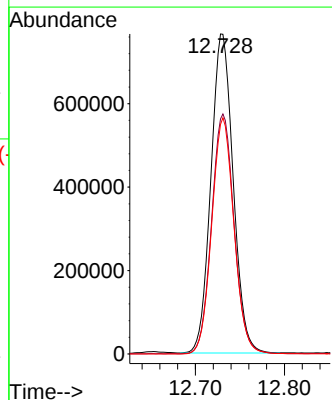
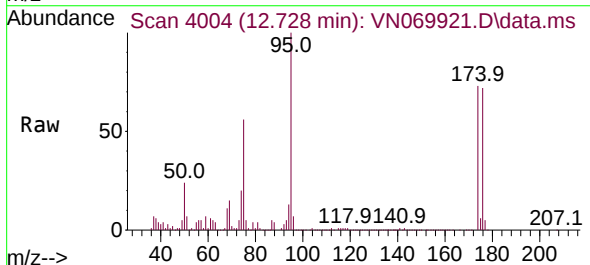
Instrument :
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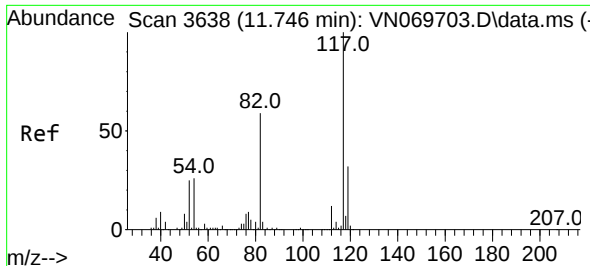
Tgt Ion: 92 Resp: 391745
Ion Ratio Lower Upper
92 100
91 175.6 142.0 213.0



#62
4-Bromofluorobenzene
Concen: 64.684 ug/l
RT: 12.728 min Scan# 4004
Delta R.T. -0.003 min
Lab File: VN069921.D
Acq: 9 Dec 2021 19:19

Tgt Ion: 95 Resp: 1329036
Ion Ratio Lower Upper
95 100
174 76.0 0.0 187.2
176 74.1 0.0 181.4



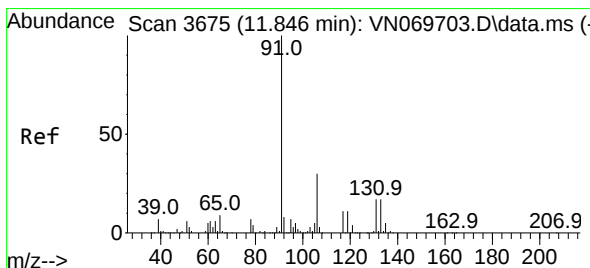
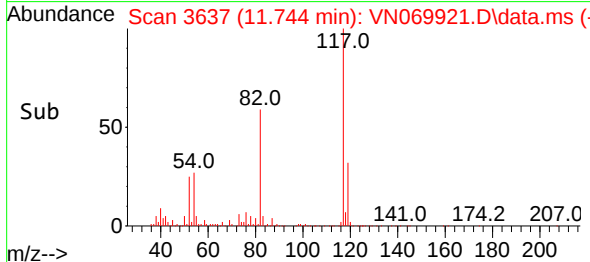
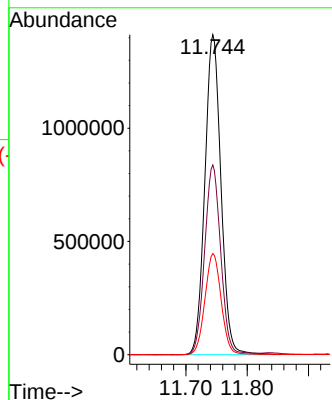
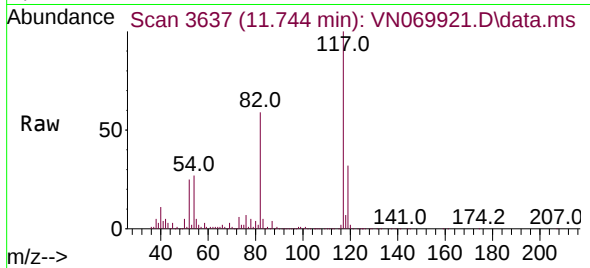


#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 11.744 min Scan# 3637
Delta R.T. -0.002 min
Lab File: VN069921.D
Acq: 9 Dec 2021 19:19

Instrument :
MSVOA_N
ClientSampleId :
M-10

Tgt Ion:117 Resp: 2580959

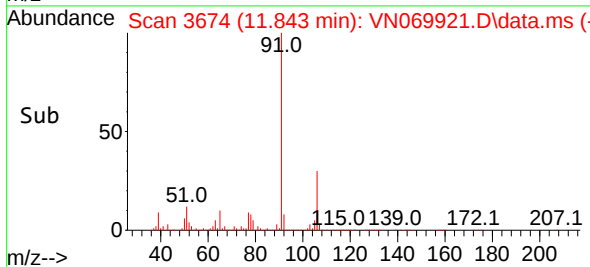
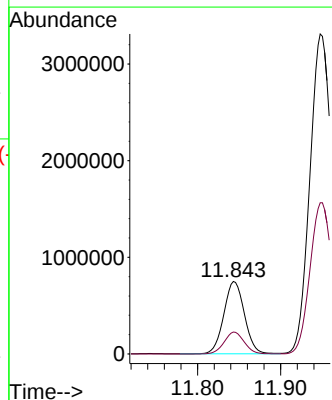
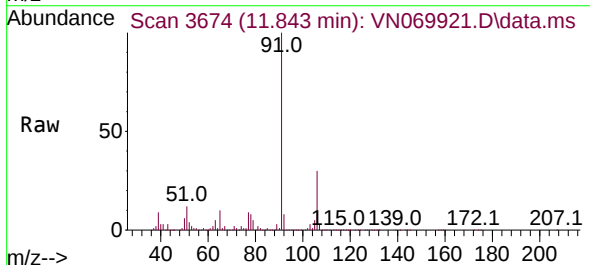
Ion	Ratio	Lower	Upper
117	100		
82	59.3	42.4	63.6
119	31.6	25.4	38.2

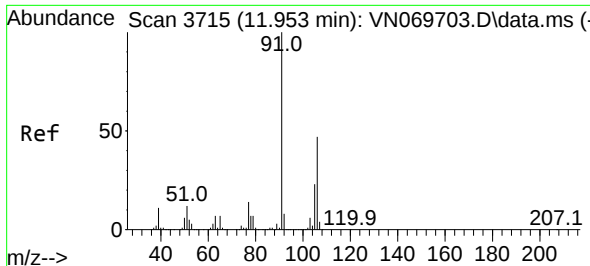


#67
Ethyl Benzene
Concen: 13.621 ug/l
RT: 11.843 min Scan# 3674
Delta R.T. -0.003 min
Lab File: VN069921.D
Acq: 9 Dec 2021 19:19

Tgt Ion: 91 Resp: 1295473

Ion	Ratio	Lower	Upper
91	100		
106	30.2	25.7	38.5

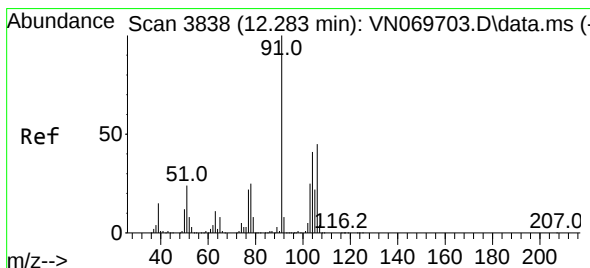
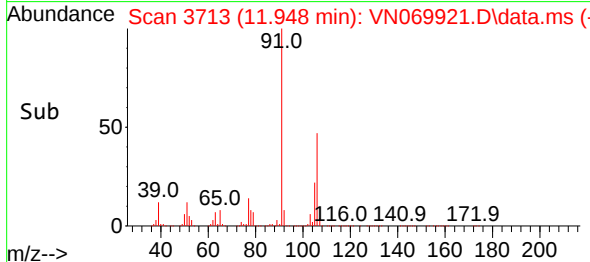
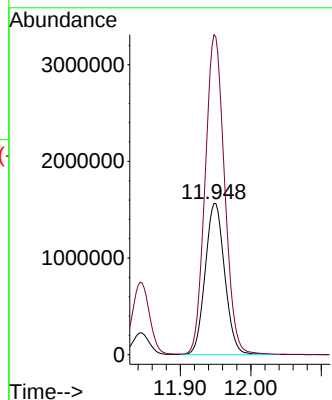
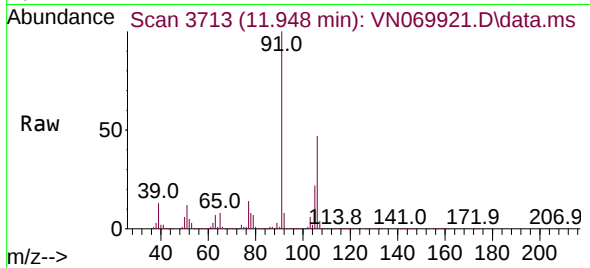




#68
m/p-Xylenes
Concen: 86.745 ug/l
RT: 11.948 min Scan# 31
Delta R.T. -0.005 min
Lab File: VN069921.D
Acq: 9 Dec 2021 19:19

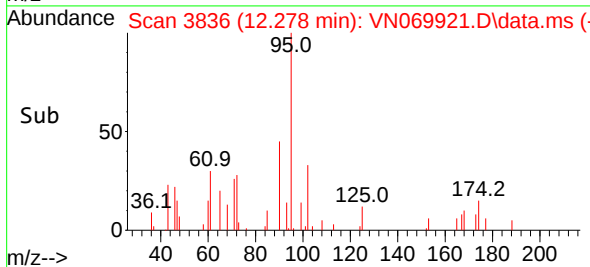
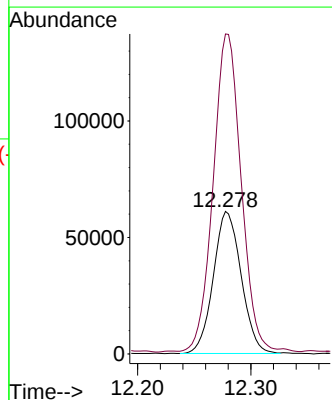
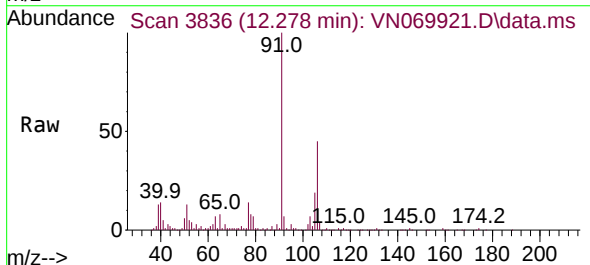
Instrument :
MSVOA_N
ClientSampleId :
M-10

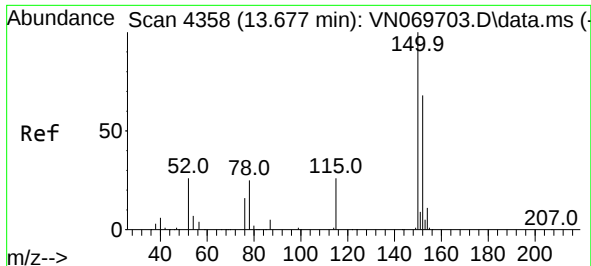
Tgt Ion:106 Resp: 3004038
Ion Ratio Lower Upper
106 100
91 211.7 160.6 240.8



#69
o-Xylene
Concen: 2.981 ug/l
RT: 12.278 min Scan# 3836
Delta R.T. -0.005 min
Lab File: VN069921.D
Acq: 9 Dec 2021 19:19

Tgt Ion:106 Resp: 103998
Ion Ratio Lower Upper
106 100
91 223.1 105.8 317.3

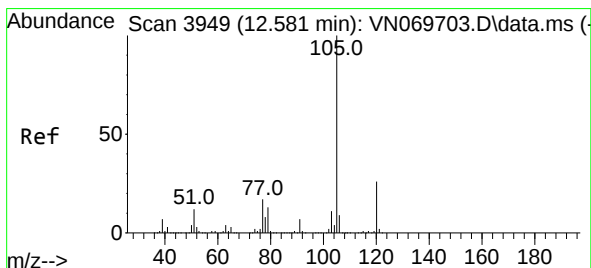
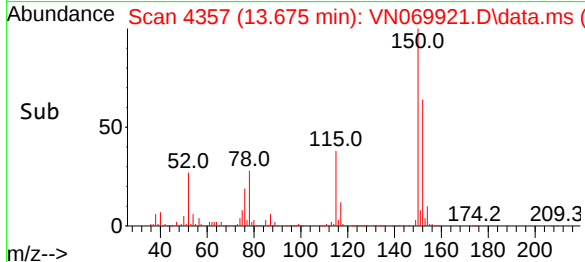
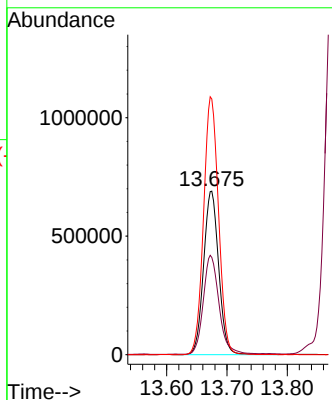
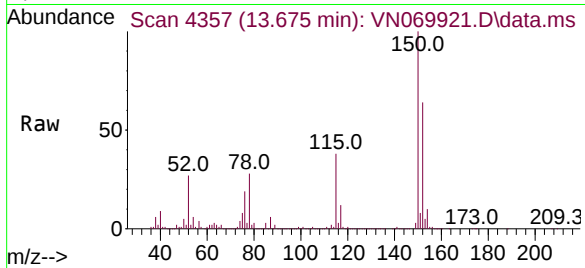




#72
1,4-Dichlorobenzene-d4
Concen: 50.000 ug/l
RT: 13.675 min Scan# 41
Delta R.T. -0.003 min
Lab File: VN069921.D
Acq: 9 Dec 2021 19:19

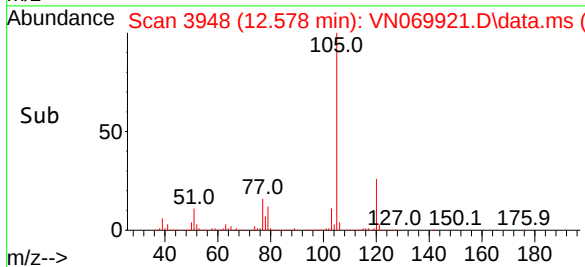
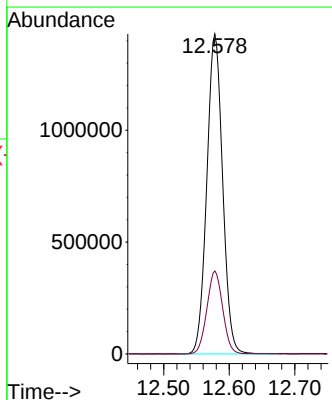
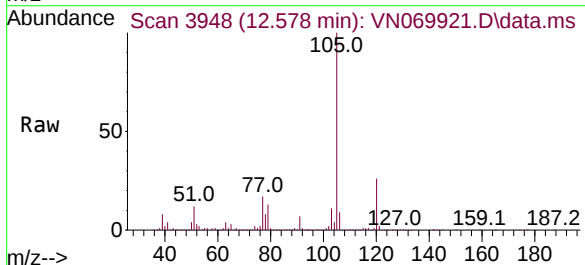
Instrument :
MSVOA_N
ClientSampleId :
M-10

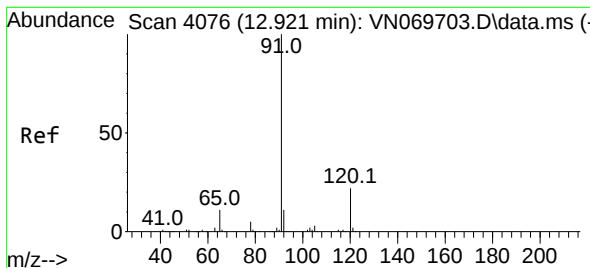
Tgt Ion:152 Resp: 1197608
Ion Ratio Lower Upper
152 100
115 63.0 27.5 82.5
150 156.1 0.0 344.4



#73
Isopropylbenzene
Concen: 22.441 ug/l
RT: 12.578 min Scan# 3948
Delta R.T. -0.003 min
Lab File: VN069921.D
Acq: 9 Dec 2021 19:19

Tgt Ion:105 Resp: 2391140
Ion Ratio Lower Upper
105 100
120 26.0 13.4 40.1





#78

n-propylbenzene

Concen: 57.672 ug/l

RT: 12.919 min Scan# 4076

Delta R.T. -0.003 min

Lab File: VN069921.D

Acq: 9 Dec 2021 19:19

Instrument :

MSVOA_N

ClientSampleId :

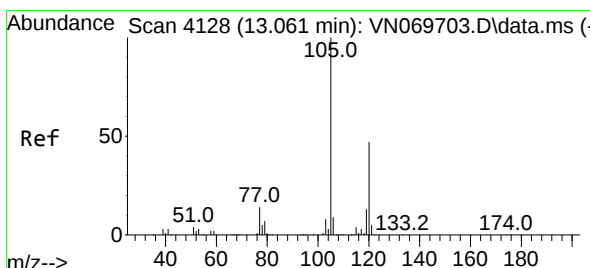
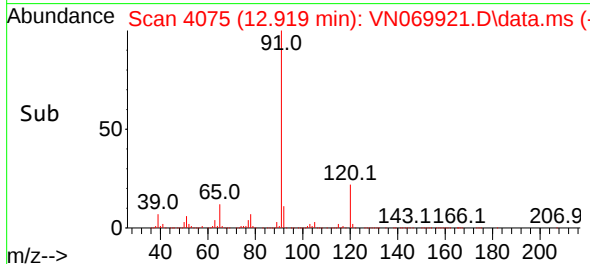
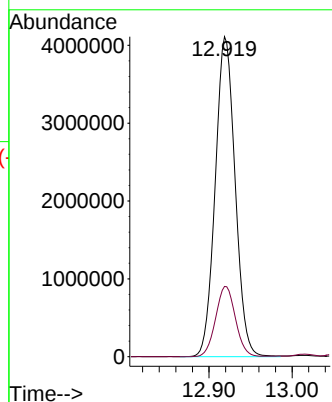
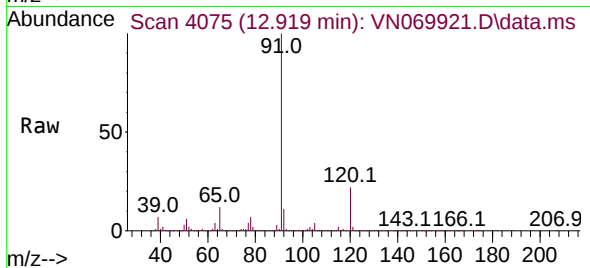
M-10

Tgt Ion: 91 Resp: 6838201

Ion Ratio Lower Upper

91 100

120 21.9 11.9 35.9



#80

1,3,5-Trimethylbenzene

Concen: 2.198 ug/l

RT: 13.058 min Scan# 4127

Delta R.T. -0.003 min

Lab File: VN069921.D

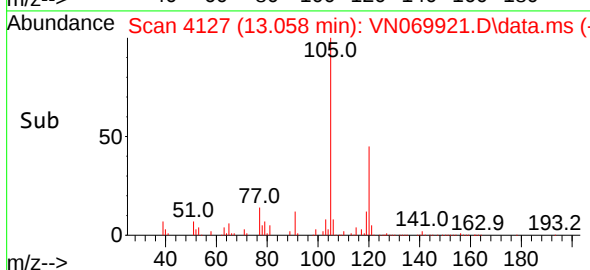
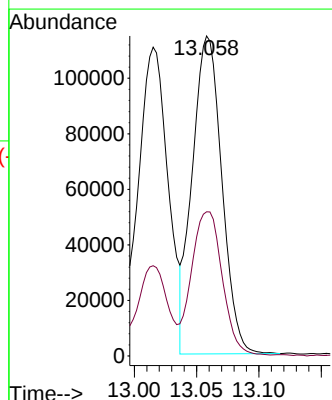
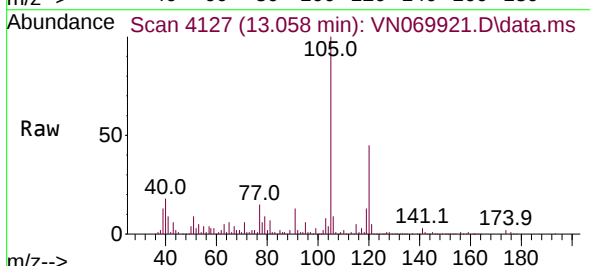
Acq: 9 Dec 2021 19:19

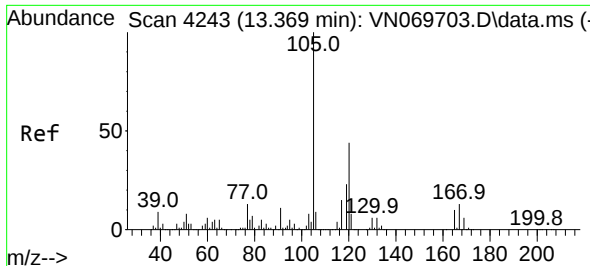
Tgt Ion: 105 Resp: 188503

Ion Ratio Lower Upper

105 100

120 47.3 24.6 73.6

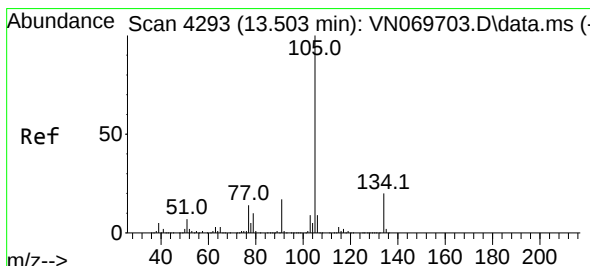
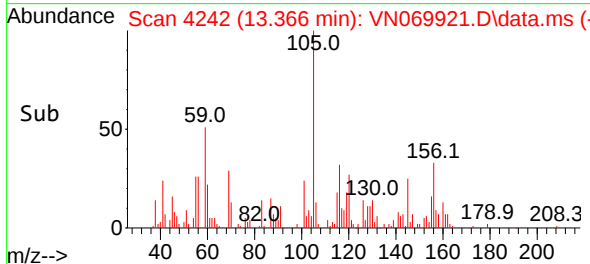
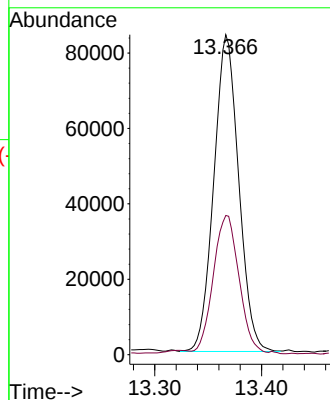
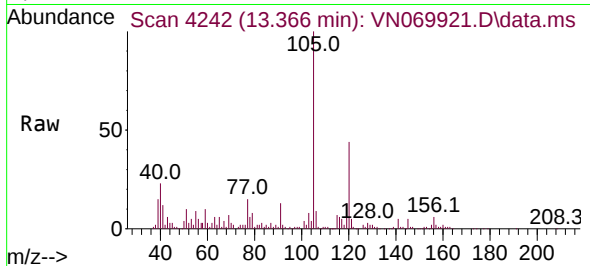




#84
1,2,4-Trimethylbenzene
Concen: 1.662 ug/l
RT: 13.366 min Scan# 41
Delta R.T. -0.003 min
Lab File: VN069921.D
Acq: 9 Dec 2021 19:19

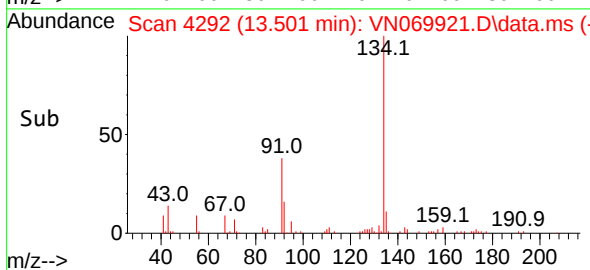
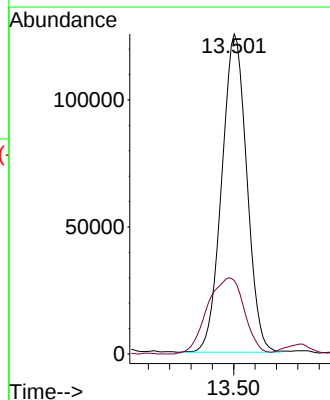
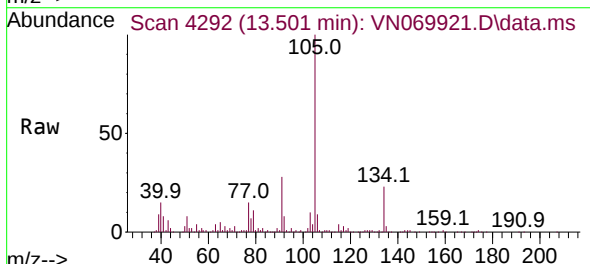
Instrument :
MSVOA_N
ClientSampleId :
M-10

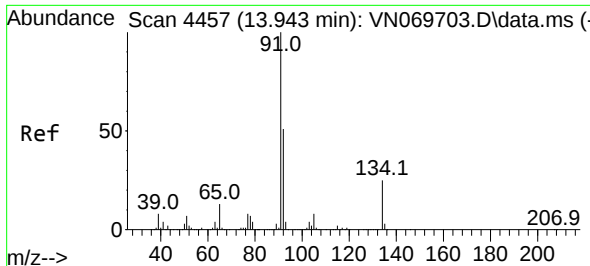
Tgt Ion:105 Resp: 135730
Ion Ratio Lower Upper
105 100
120 44.4 22.8 68.4



#85
sec-Butylbenzene
Concen: 1.979 ug/l
RT: 13.501 min Scan# 4292
Delta R.T. -0.003 min
Lab File: VN069921.D
Acq: 9 Dec 2021 19:19

Tgt Ion:105 Resp: 203806
Ion Ratio Lower Upper
105 100
134 35.4 10.4 31.1#

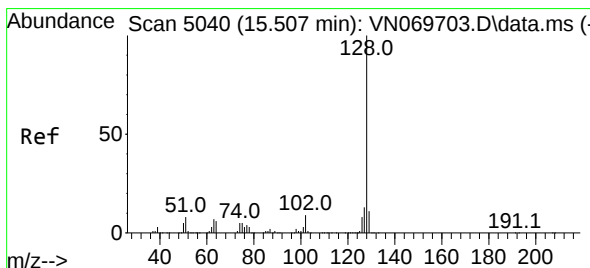
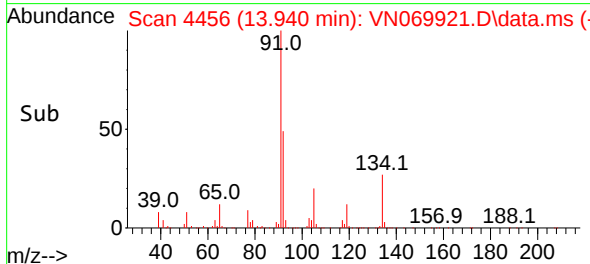
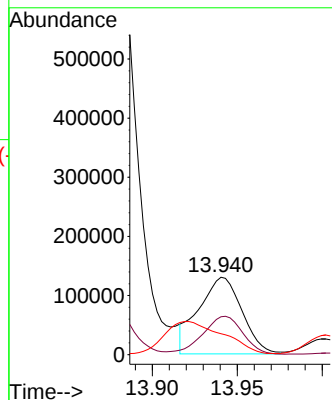
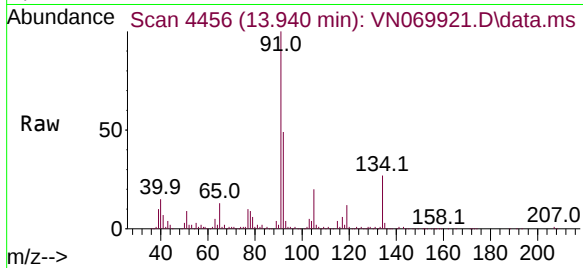




#89
n-Butylbenzene
Concen: 3.528 ug/l
RT: 13.940 min Scan# 4457
Delta R.T. -0.003 min
Lab File: VN069921.D
Acq: 9 Dec 2021 19:19

Instrument :
MSVOA_N
ClientSampleId :
M-10

Tgt Ion: 91 Resp: 230445
Ion Ratio Lower Upper
91 100
92 46.7 25.4 76.0
134 0.0 13.6 40.8#



#95
Naphthalene
Concen: 81.628 ug/l
RT: 15.504 min Scan# 5039
Delta R.T. -0.003 min
Lab File: VN069921.D
Acq: 9 Dec 2021 19:19

Tgt Ion:128 Resp: 4937736
Ion Ratio Lower Upper
128 100
127 13.4 10.5 15.7
129 10.8 8.7 13.1

