

Data Path : Z:\voasrv\HPCHEM1\MSVOA_N\Data\VN120921\
 Data File : VN069924.D
 Acq On : 9 Dec 2021 20:35
 Operator : JC/MD
 Sample : M4969-09
 Misc : 5.00mL/MSVOA_N/WATER
 ALS Vial : 22 Sample Multiplier: 1

Instrument :
 MSVOA_N
 ClientSampleId :
 RW-1A

Quant Time: Dec 10 06:22:44 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	8.088	168	1211943	50.000	ug/l	0.00
34) 1,4-Difluorobenzene	8.968	114	2252108	50.000	ug/l	0.00
63) Chlorobenzene-d5	11.744	117	2543380	50.000	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.675	152	1066942	50.000	ug/l	0.00

System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	8.437	65	942370	50.361	ug/l	0.00
Spiked Amount	50.000	Range	61 - 141	Recovery	= 100.720%	
35) Dibromofluoromethane	8.021	113	681144	48.285	ug/l	0.00
Spiked Amount	50.000	Range	69 - 133	Recovery	= 96.580%	
50) Toluene-d8	10.440	98	2944059	51.976	ug/l	0.00
Spiked Amount	50.000	Range	65 - 126	Recovery	= 103.960%	
62) 4-Bromofluorobenzene	12.731	95	1248928	60.862	ug/l	0.00
Spiked Amount	50.000	Range	58 - 135	Recovery	= 121.720%	

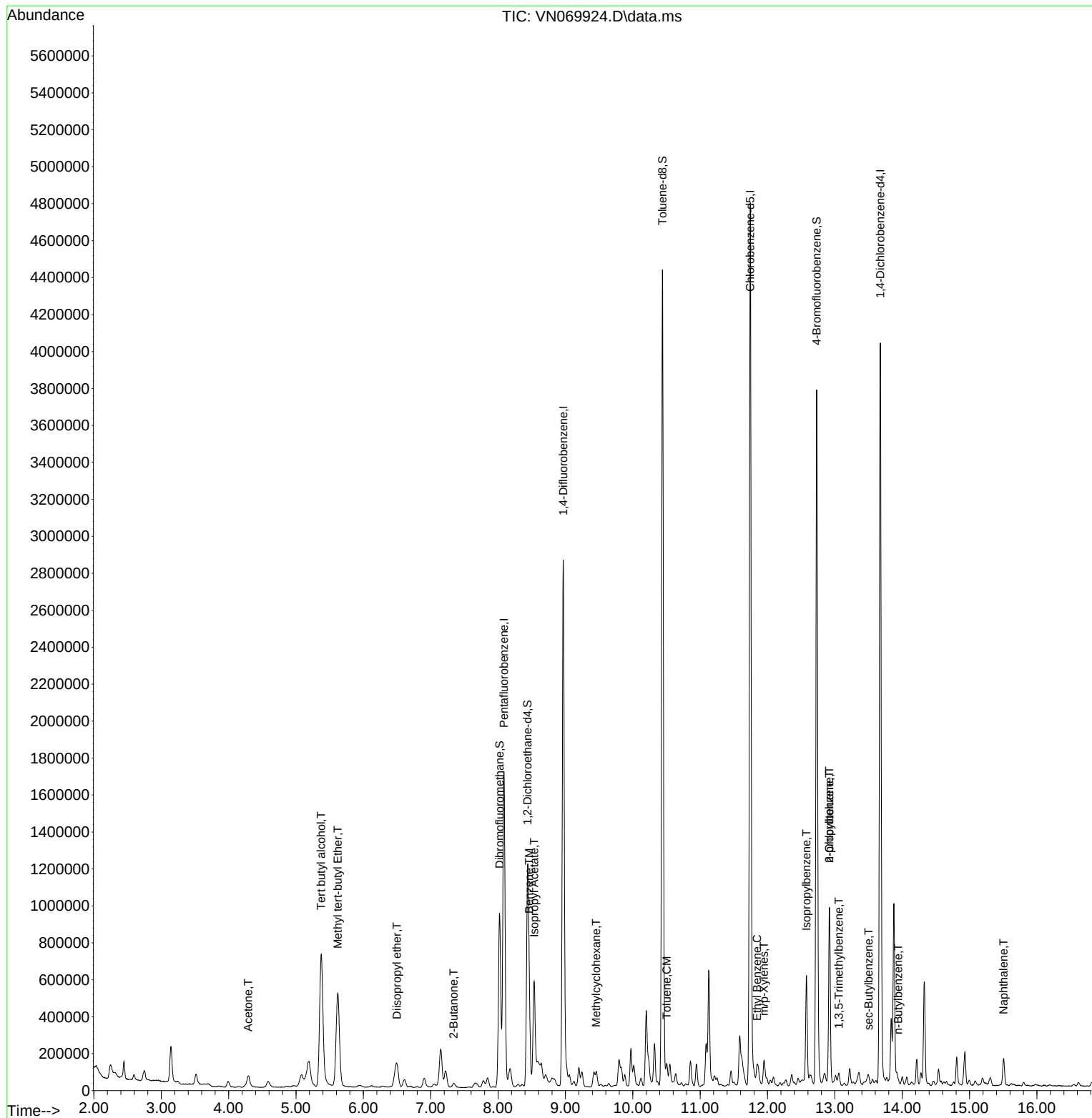
Target Compounds				Qvalue		
11) Tert butyl alcohol	5.374	59	1318076	372.643	ug/l	99
16) Acetone	4.291	43	117677	10.454	ug/l	94
19) Methyl tert-butyl Ether	5.621	73	727391	16.205	ug/l #	83
22) Diisopropyl ether	6.498	45	143360	2.820	ug/l	88
25) 2-Butanone	7.340	43	33085	2.163	ug/l #	85
39) Methylcyclohexane	9.456	83	30578	1.199	ug/l #	87
40) Benzene	8.461	78	314804	4.804	ug/l	98
43) Isopropyl Acetate	8.536	43	143673	3.043	ug/l #	57
52) Toluene	10.505	92	38256	0.956	ug/l	97
67) Ethyl Benzene	11.843	91	45608	0.487	ug/l	90
68) m/p-Xylenes	11.948	106	41860	1.227	ug/l	94
73) Isopropylbenzene	12.578	105	363292	3.827	ug/l	99
78) n-propylbenzene	12.919	91	779156	7.376	ug/l	95
79) 2-Chlorotoluene	12.919	91	779156	11.673	ug/l #	38
80) 1,3,5-Trimethylbenzene	13.061	105	16368	0.214	ug/l	97
85) sec-Butylbenzene	13.501	105	28655	0.312	ug/l #	75
89) n-Butylbenzene	13.940	91	15583	0.268	ug/l #	80
95) Naphthalene	15.504	128	135958	6.385	ug/l	99

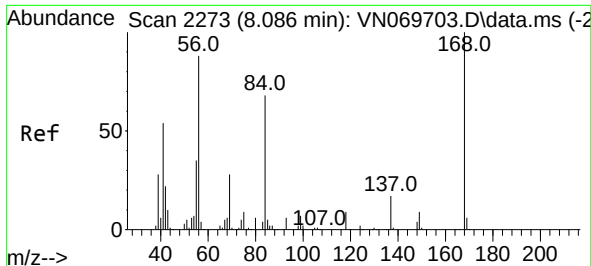
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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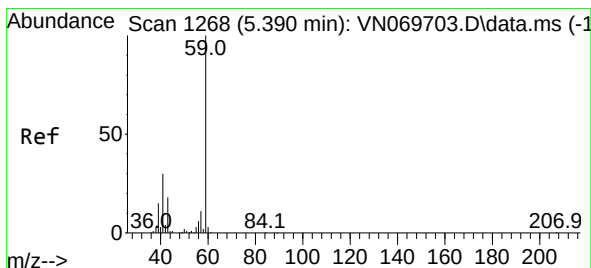
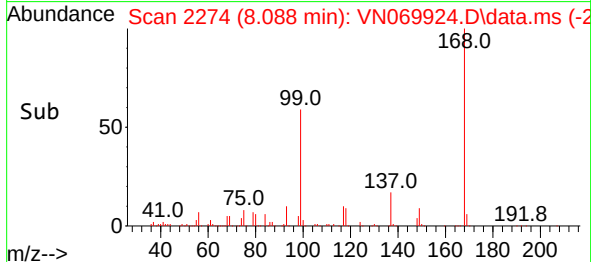
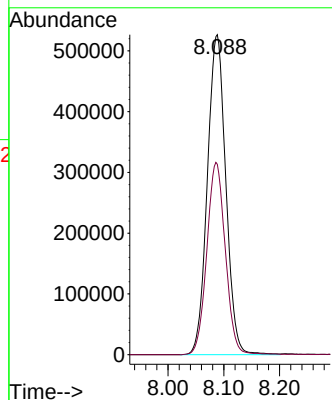
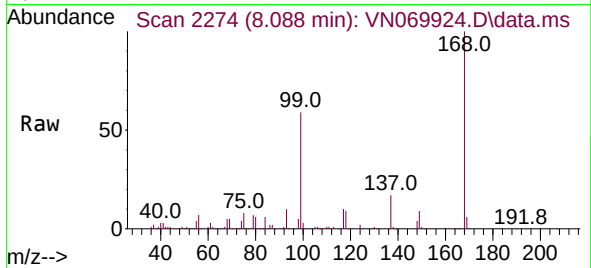




#1
Pentafluorobenzene
Concen: 50.000 ug/l
RT: 8.088 min Scan# 21
Delta R.T. 0.002 min
Lab File: VN069924.D
Acq: 9 Dec 2021 20:35

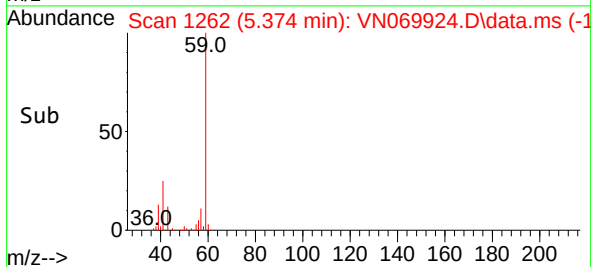
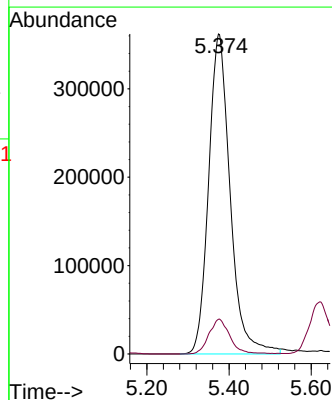
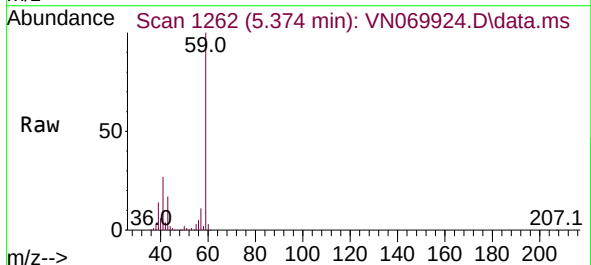
Instrument :
MSVOA_N
ClientSampleId :
RW-1A

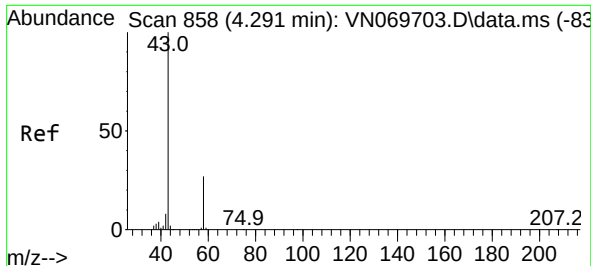
Tgt Ion:168 Resp: 1211943
Ion Ratio Lower Upper
168 100
99 59.5 41.3 61.9



#11
Tert butyl alcohol
Concen: 372.643 ug/l
RT: 5.374 min Scan# 1262
Delta R.T. -0.016 min
Lab File: VN069924.D
Acq: 9 Dec 2021 20:35

Tgt Ion: 59 Resp: 1318076
Ion Ratio Lower Upper
59 100
57 10.5 8.7 13.1

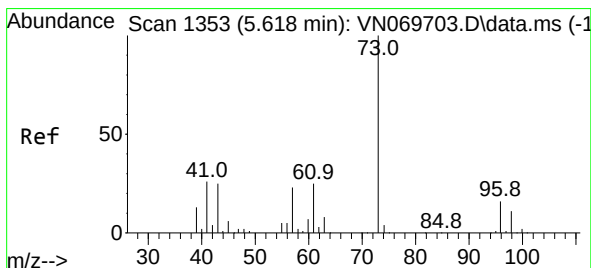
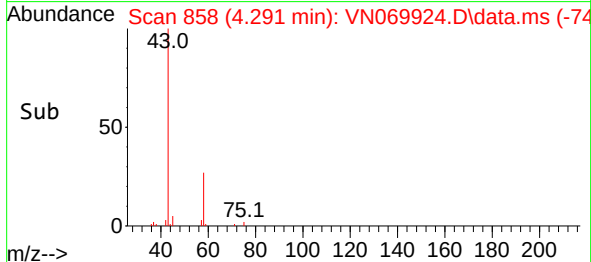
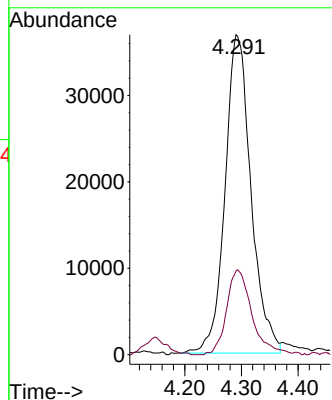
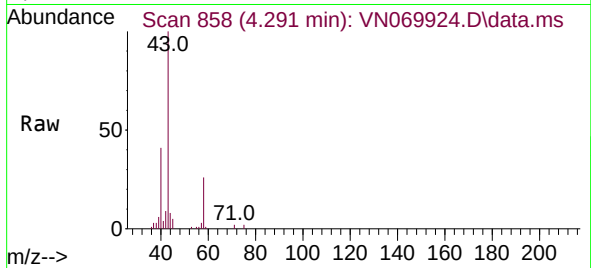




#16
Acetone
Concen: 10.454 ug/l
RT: 4.291 min Scan# 858
Delta R.T. 0.000 min
Lab File: VN069924.D
Acq: 9 Dec 2021 20:35

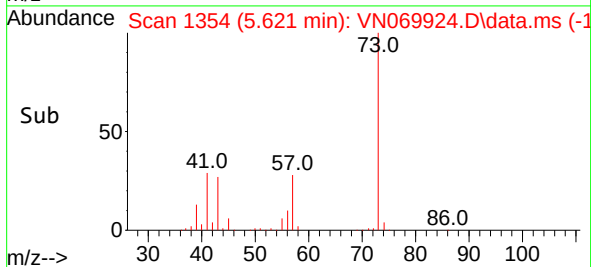
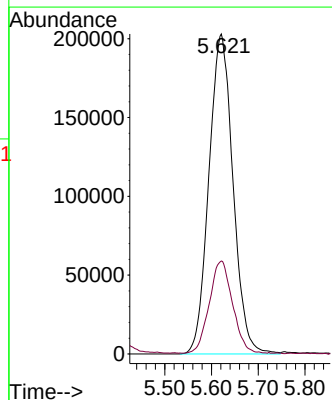
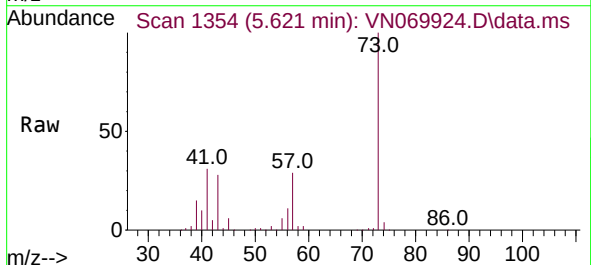
Instrument :
MSVOA_N
ClientSampleId :
RW-1A

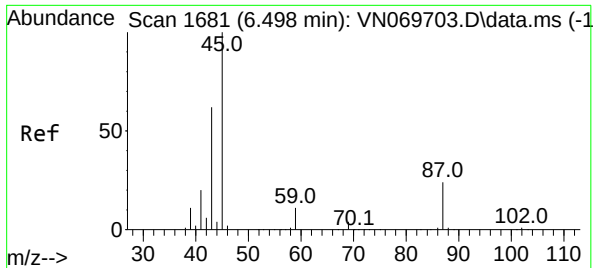
Tgt Ion: 43 Resp: 117677
Ion Ratio Lower Upper
43 100
58 25.8 23.1 34.7



#19
Methyl tert-butyl Ether
Concen: 16.205 ug/l
RT: 5.621 min Scan# 1354
Delta R.T. 0.003 min
Lab File: VN069924.D
Acq: 9 Dec 2021 20:35

Tgt Ion: 73 Resp: 727391
Ion Ratio Lower Upper
73 100
57 28.8 16.8 25.2#





#22

Diisopropyl ether

Concen: 2.820 ug/l

RT: 6.498 min Scan# 1

Delta R.T. 0.000 min

Lab File: VN069924.D

Acq: 9 Dec 2021 20:35

Instrument :

MSVOA_N

ClientSampleId :

RW-1A

Tgt Ion: 45 Resp: 143360

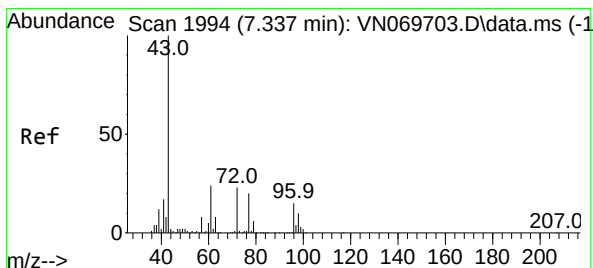
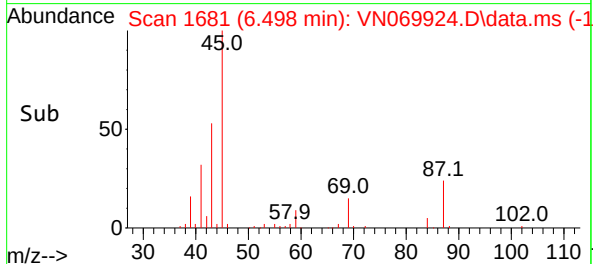
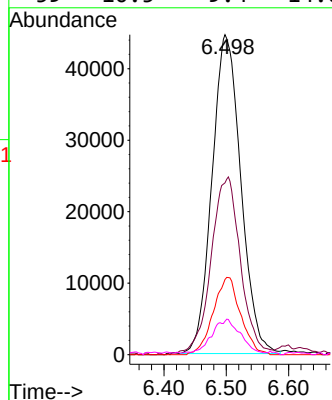
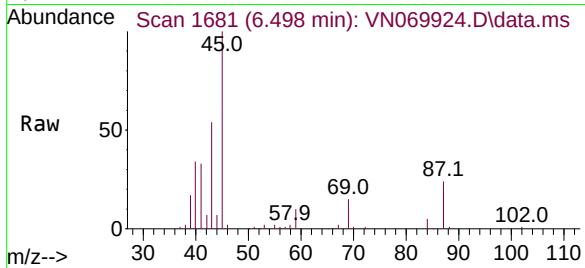
Ion Ratio Lower Upper

45 100

43 52.7 51.7 77.5

87 23.6 23.2 34.8

59 10.5 9.4 14.0



#25

2-Butanone

Concen: 2.163 ug/l

RT: 7.340 min Scan# 1995

Delta R.T. 0.003 min

Lab File: VN069924.D

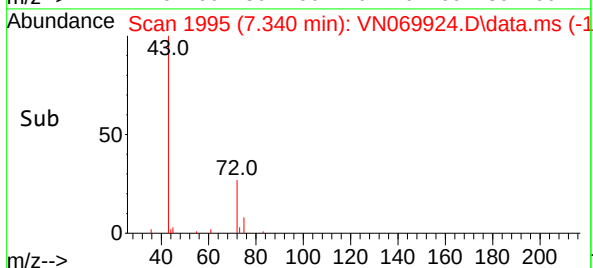
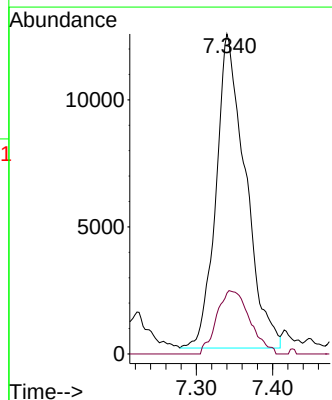
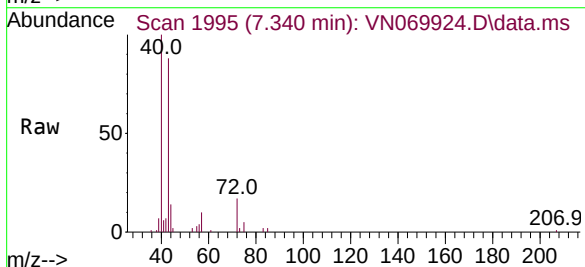
Acq: 9 Dec 2021 20:35

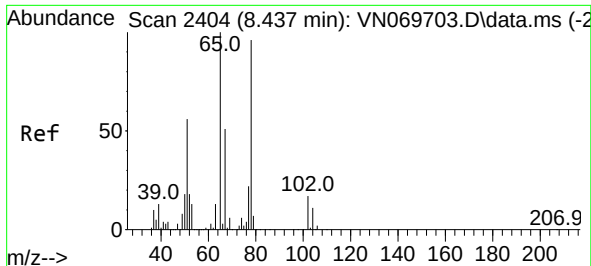
Tgt Ion: 43 Resp: 33085

Ion Ratio Lower Upper

43 100

72 19.3 21.7 32.5#





#33

1,2-Dichloroethane-d4

Concen: 50.361 ug/l

RT: 8.437 min Scan# 2404

Delta R.T. 0.000 min

Lab File: VN069924.D

Acq: 9 Dec 2021 20:35

Instrument :

MSVOA_N

ClientSampleId :

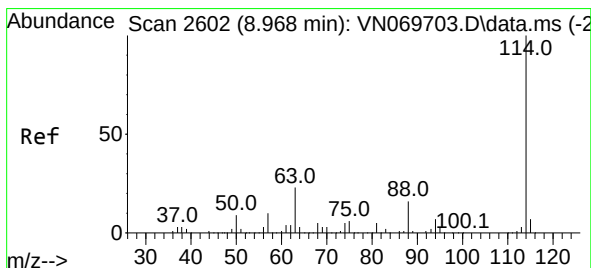
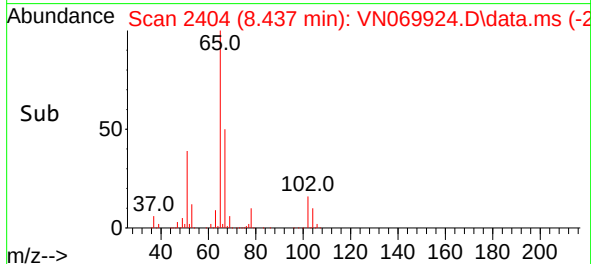
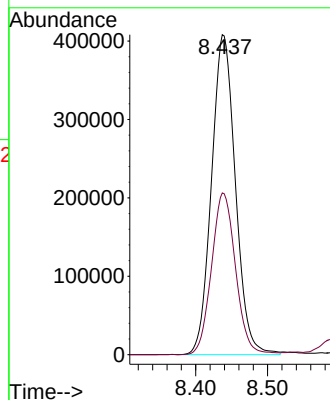
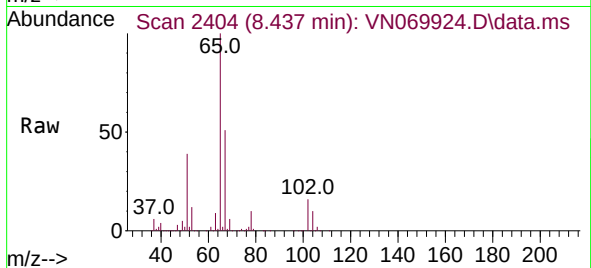
RW-1A

Tgt Ion: 65 Resp: 942370

Ion Ratio Lower Upper

65 100

67 50.9 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: VN069924.D

Acq: 9 Dec 2021 20:35

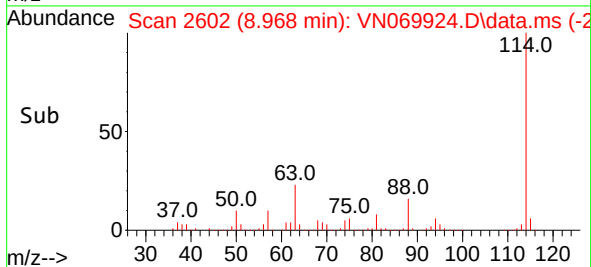
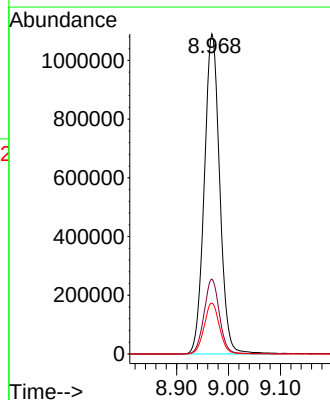
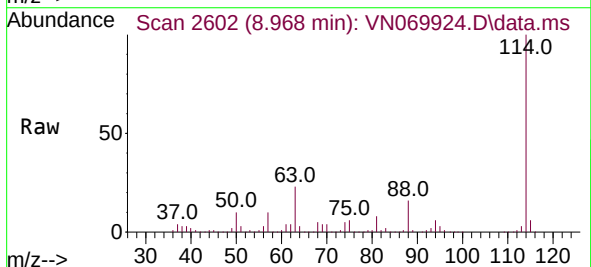
Tgt Ion: 114 Resp: 2252108

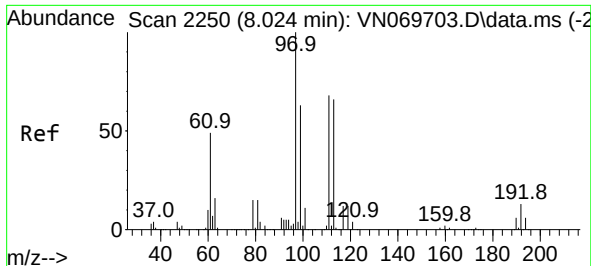
Ion Ratio Lower Upper

114 100

63 23.4 0.0 37.8

88 15.9 0.0 27.4

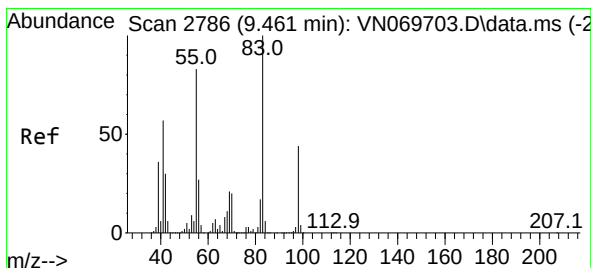
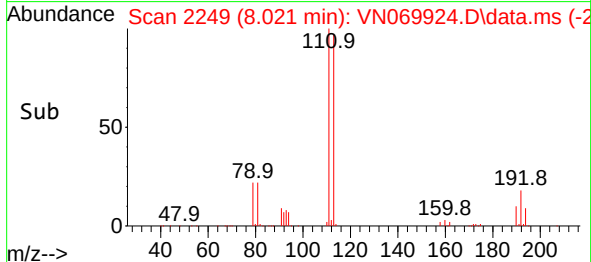
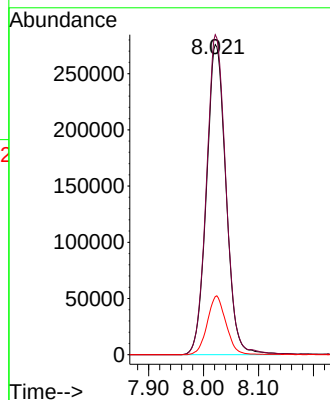
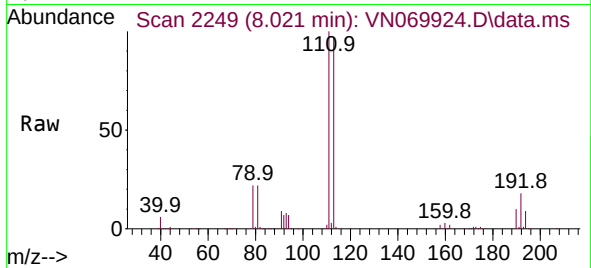




#35
Dibromofluoromethane
Concen: 48.285 ug/l
RT: 8.021 min Scan# 211
Delta R.T. -0.003 min
Lab File: VN069924.D
Acq: 9 Dec 2021 20:35

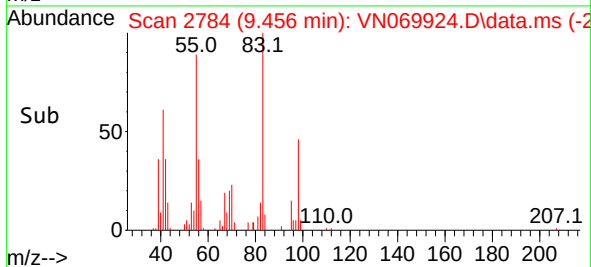
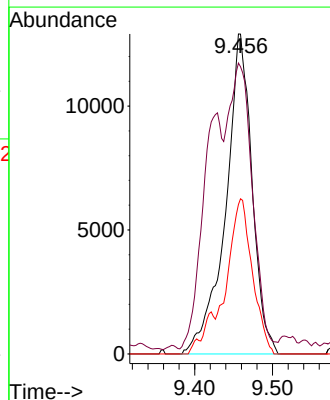
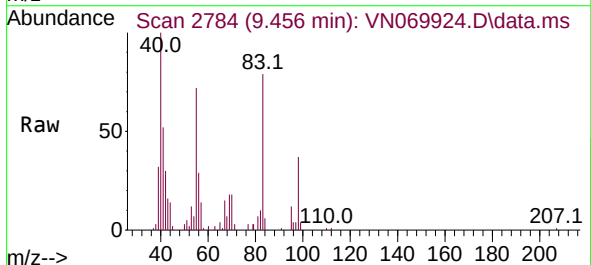
Instrument :
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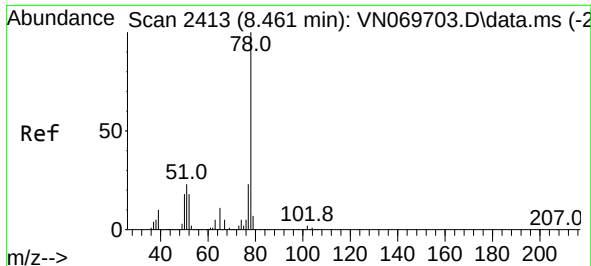
Tgt Ion:113 Resp: 681144
Ion Ratio Lower Upper
113 100
111 102.7 82.2 123.2
192 18.2 16.9 25.3



#39
Methylcyclohexane
Concen: 1.199 ug/l
RT: 9.456 min Scan# 2784
Delta R.T. -0.005 min
Lab File: VN069924.D
Acq: 9 Dec 2021 20:35

Tgt Ion: 83 Resp: 30578
Ion Ratio Lower Upper
83 100
55 89.3 58.1 87.1#
98 46.7 38.4 57.6





#40

Benzene

Concen: 4.804 ug/l

RT: 8.461 min Scan# 2413

Delta R.T. 0.000 min

Lab File: VN069924.D

Acq: 9 Dec 2021 20:35

Instrument :

MSVOA_N

ClientSampleId :

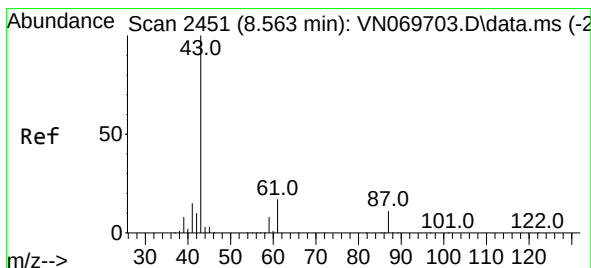
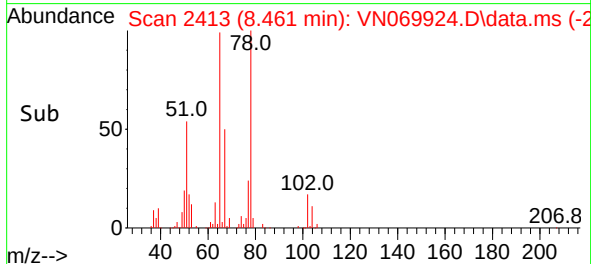
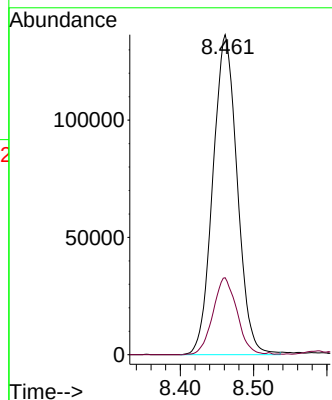
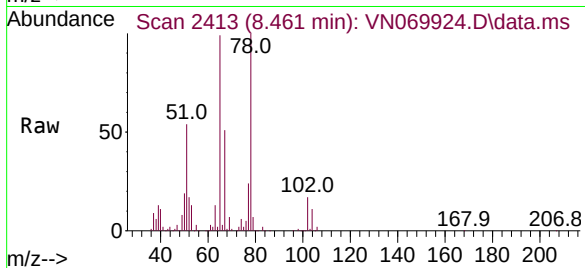
RW-1A

Tgt Ion: 78 Resp: 314804

Ion Ratio Lower Upper

78 100

77 24.1 18.6 27.8



#43

Isopropyl Acetate

Concen: 3.043 ug/l

RT: 8.536 min Scan# 2441

Delta R.T. -0.027 min

Lab File: VN069924.D

Acq: 9 Dec 2021 20:35

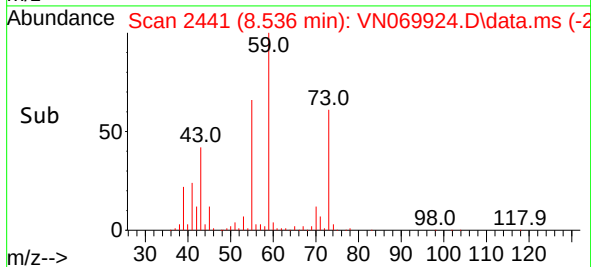
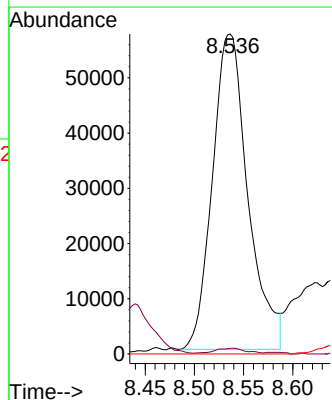
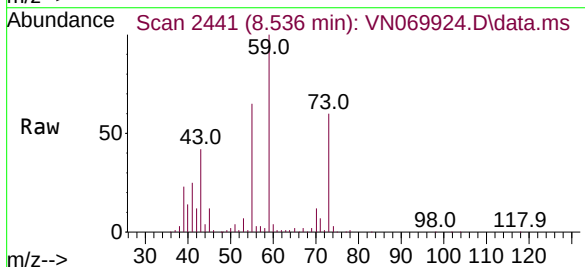
Tgt Ion: 43 Resp: 143673

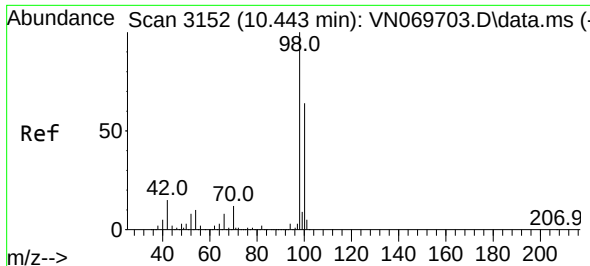
Ion Ratio Lower Upper

43 100

61 1.3 20.4 30.6#

87 0.0 11.2 16.8#

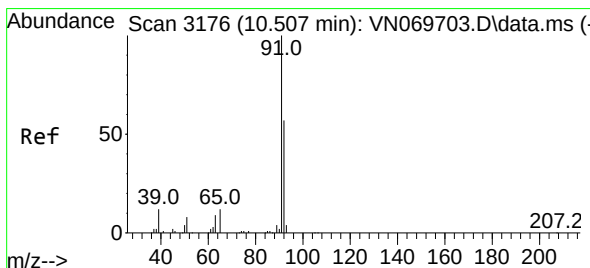
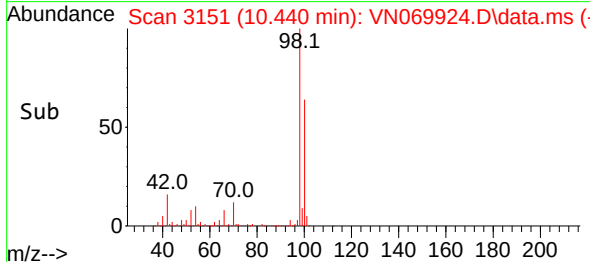
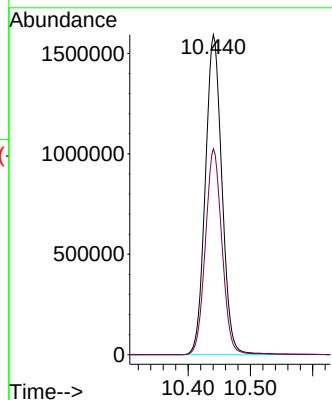
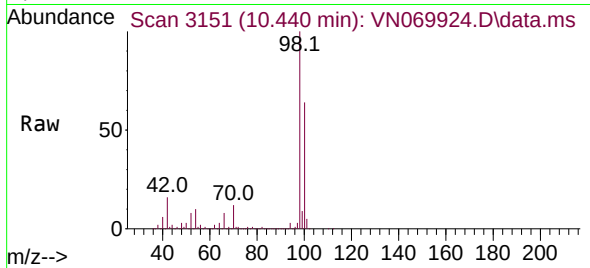




#50
Toluene-d8
Concen: 51.976 ug/l
RT: 10.440 min Scan# 3152
Delta R.T. -0.003 min
Lab File: VN069924.D
Acq: 9 Dec 2021 20:35

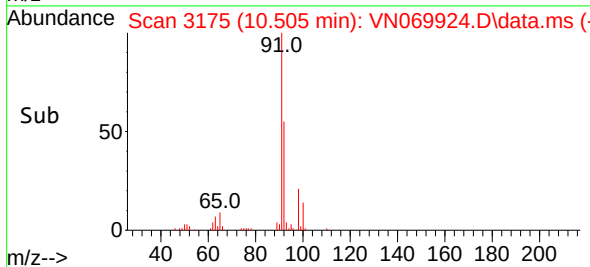
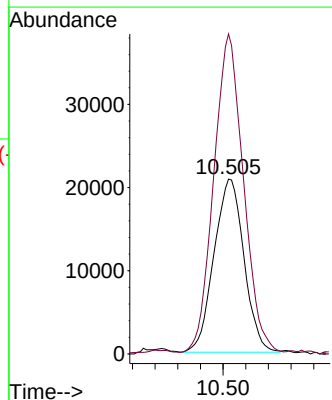
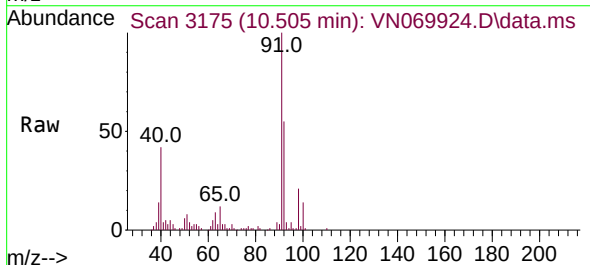
Instrument :
MSVOA_N
ClientSampleId :
RW-1A

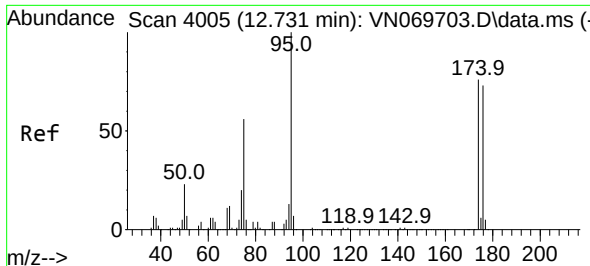
Tgt Ion: 98 Resp: 2944059
Ion Ratio Lower Upper
98 100
100 64.1 50.4 75.6



#52
Toluene
Concen: 0.956 ug/l
RT: 10.505 min Scan# 3175
Delta R.T. -0.003 min
Lab File: VN069924.D
Acq: 9 Dec 2021 20:35

Tgt Ion: 92 Resp: 38256
Ion Ratio Lower Upper
92 100
91 181.2 142.0 213.0

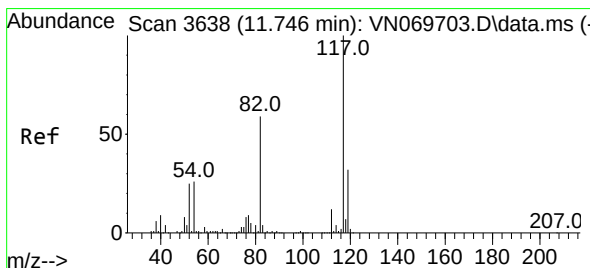
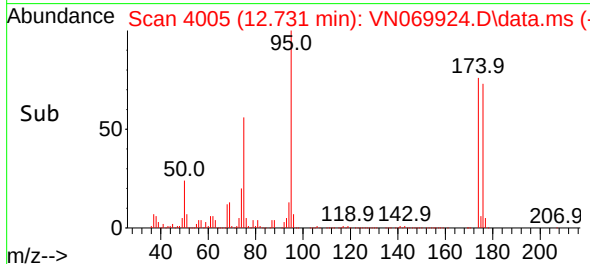
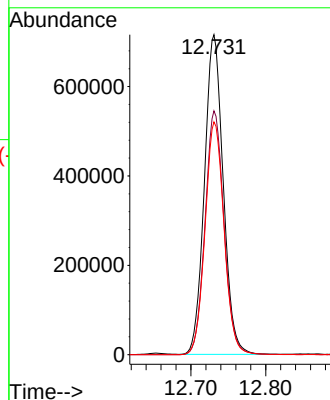
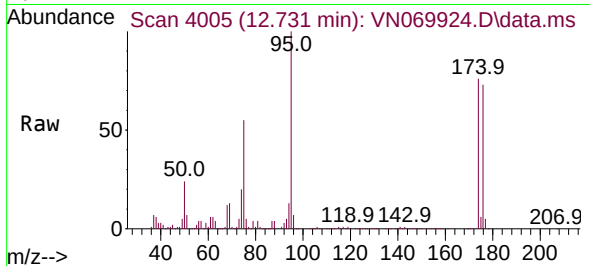




#62
4-Bromofluorobenzene
Concen: 60.862 ug/l
RT: 12.731 min Scan# 4005
Delta R.T. -0.000 min
Lab File: VN069924.D
Acq: 9 Dec 2021 20:35

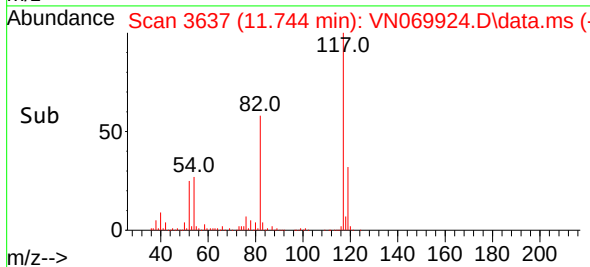
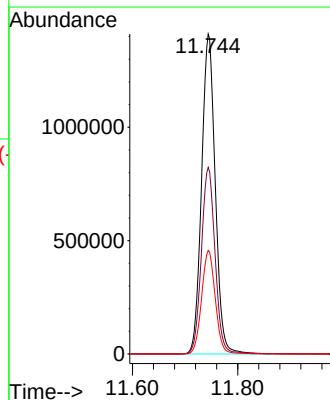
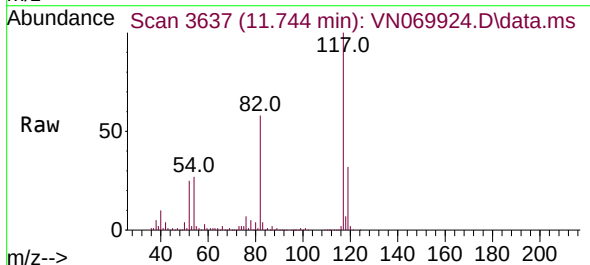
Instrument :
MSVOA_N
ClientSampleId :
RW-1A

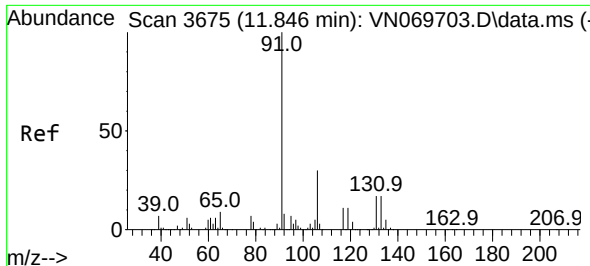
Tgt Ion: 95 Resp: 1248928
Ion Ratio Lower Upper
95 100
174 76.9 0.0 187.2
176 73.8 0.0 181.4



#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 11.744 min Scan# 3637
Delta R.T. -0.002 min
Lab File: VN069924.D
Acq: 9 Dec 2021 20:35

Tgt Ion: 117 Resp: 2543380
Ion Ratio Lower Upper
117 100
82 58.3 42.4 63.6
119 32.4 25.4 38.2

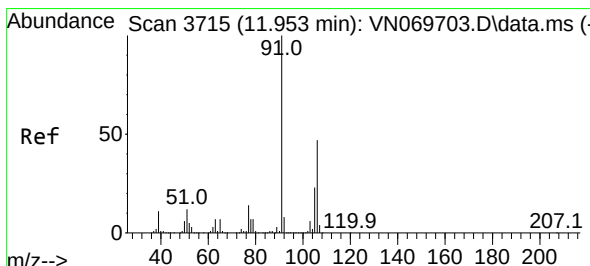
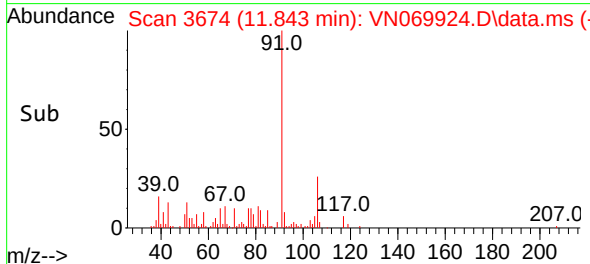
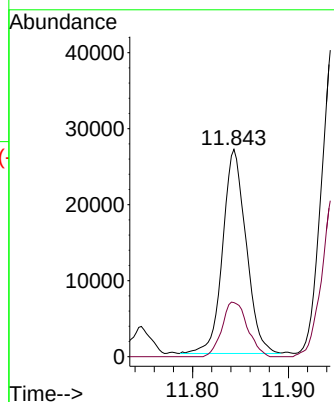
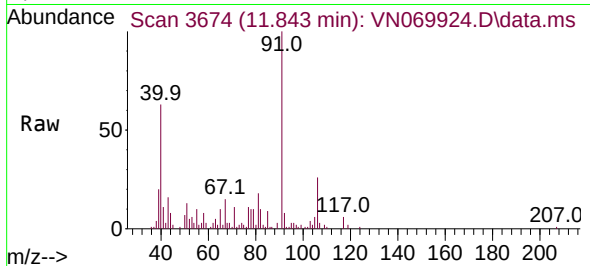




#67
Ethyl Benzene
Concen: 0.487 ug/l
RT: 11.843 min Scan# 3073
Delta R.T. -0.003 min
Lab File: VN069924.D
Acq: 9 Dec 2021 20:35

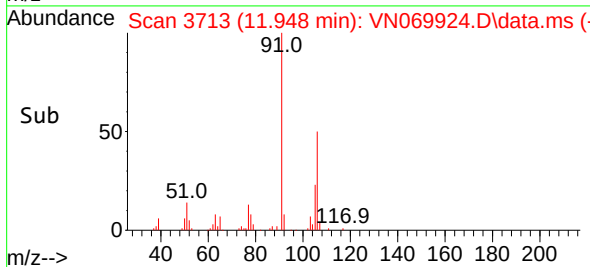
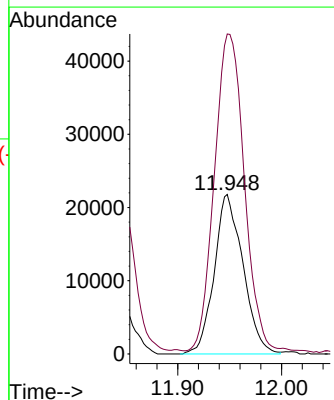
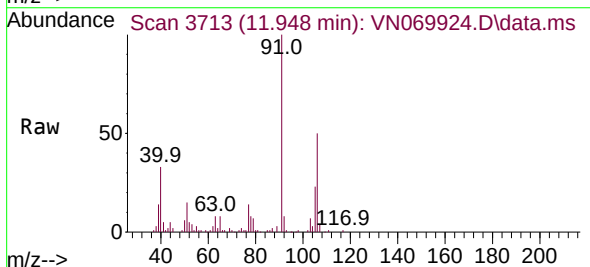
Instrument :
MSVOA_N
ClientSampleId :
RW-1A

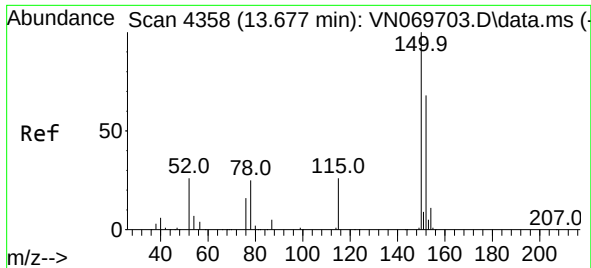
Tgt Ion: 91 Resp: 45608
Ion Ratio Lower Upper
91 100
106 26.6 25.7 38.5



#68
m/p-Xylenes
Concen: 1.227 ug/l
RT: 11.948 min Scan# 3713
Delta R.T. -0.005 min
Lab File: VN069924.D
Acq: 9 Dec 2021 20:35

Tgt Ion:106 Resp: 41860
Ion Ratio Lower Upper
106 100
91 210.1 160.6 240.8

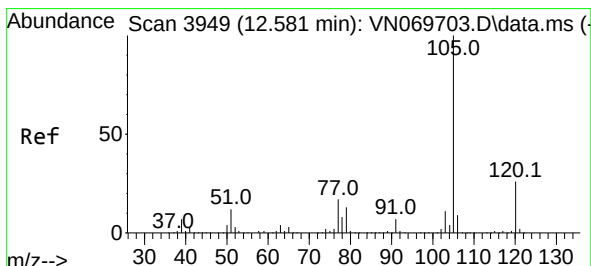
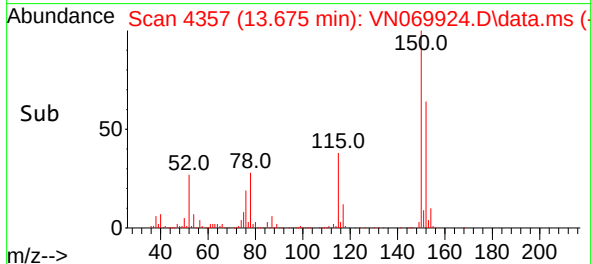
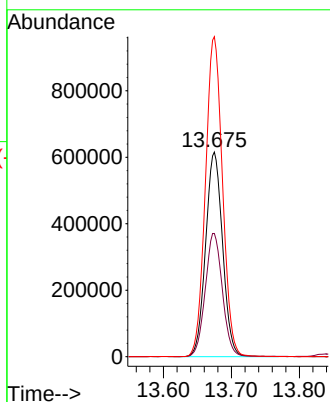
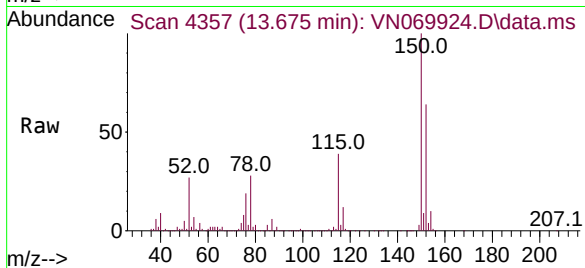




#72
1,4-Dichlorobenzene-d4
Concen: 50.000 ug/l
RT: 13.675 min Scan# 4358
Delta R.T. -0.003 min
Lab File: VN069924.D
Acq: 9 Dec 2021 20:35

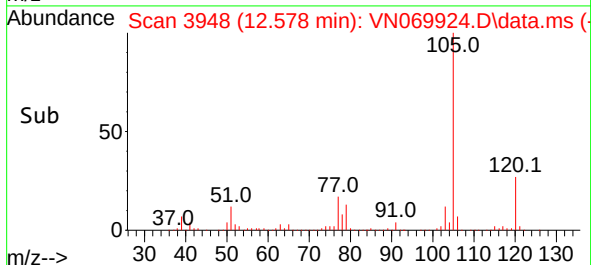
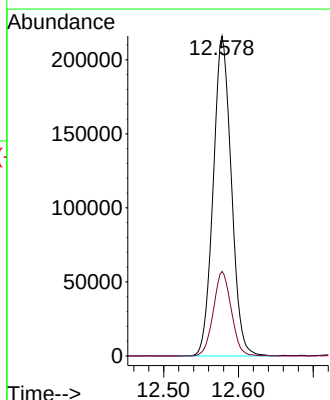
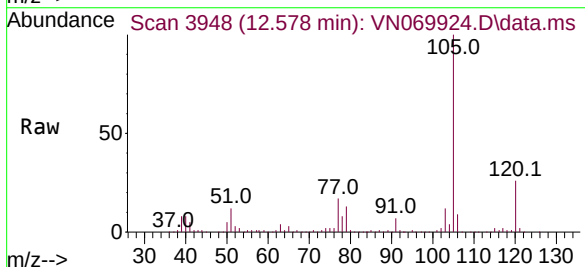
Instrument :
MSVOA_N
ClientSampleId :
RW-1A

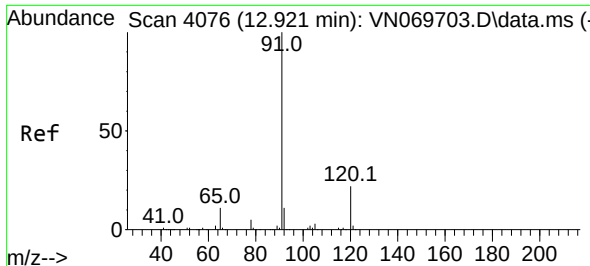
Tgt Ion:152 Resp: 1066942
Ion Ratio Lower Upper
152 100
115 60.6 27.5 82.5
150 157.2 0.0 344.4



#73
Isopropylbenzene
Concen: 3.827 ug/l
RT: 12.578 min Scan# 3948
Delta R.T. -0.003 min
Lab File: VN069924.D
Acq: 9 Dec 2021 20:35

Tgt Ion:105 Resp: 363292
Ion Ratio Lower Upper
105 100
120 26.1 13.4 40.1

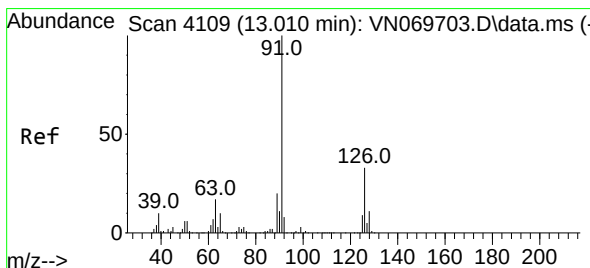
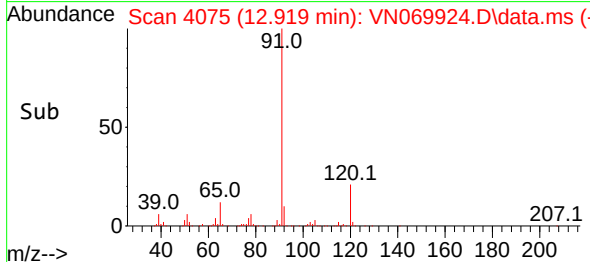
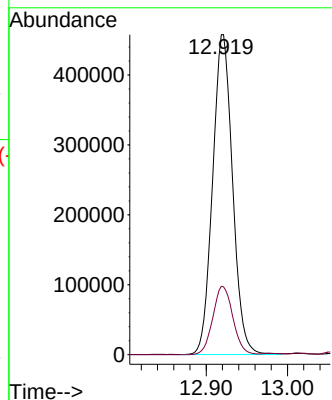
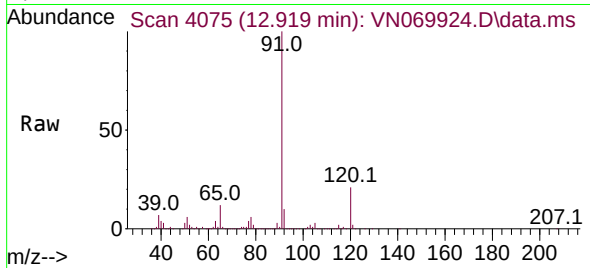




#78
n-propylbenzene
Concen: 7.376 ug/l
RT: 12.919 min Scan# 4075
Delta R.T. -0.003 min
Lab File: VN069924.D
Acq: 9 Dec 2021 20:35

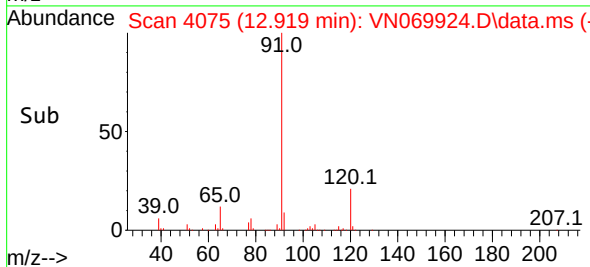
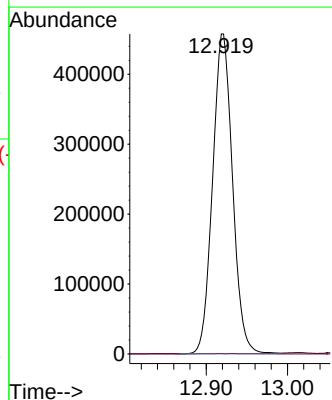
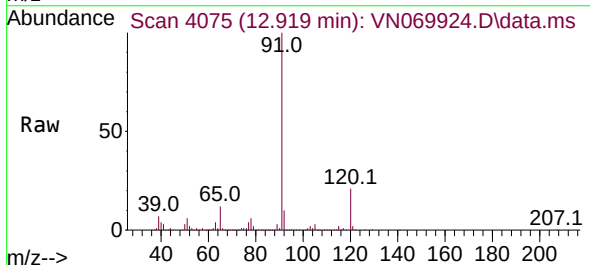
Instrument :
MSVOA_N
ClientSampleId :
RW-1A

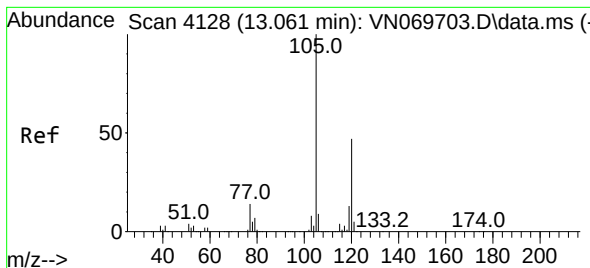
Tgt Ion: 91 Resp: 779156
Ion Ratio Lower Upper
91 100
120 21.5 11.9 35.9



#79
2-Chlorotoluene
Concen: 11.673 ug/l
RT: 12.919 min Scan# 4075
Delta R.T. -0.091 min
Lab File: VN069924.D
Acq: 9 Dec 2021 20:35

Tgt Ion: 91 Resp: 779156
Ion Ratio Lower Upper
91 100
126 0.0 18.3 54.8#





#80

1,3,5-Trimethylbenzene

Concen: 0.214 ug/l

RT: 13.061 min Scan# 4128

Delta R.T. 0.000 min

Lab File: VN069924.D

Acq: 9 Dec 2021 20:35

Instrument :

MSVOA_N

ClientSampleId :

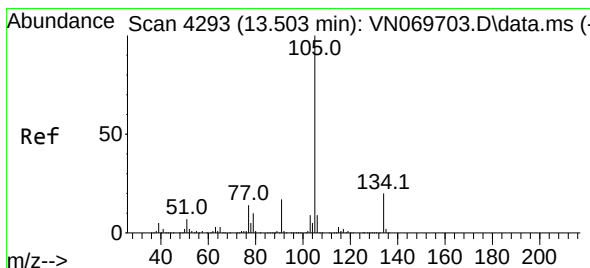
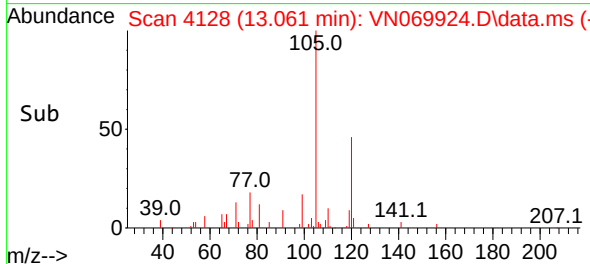
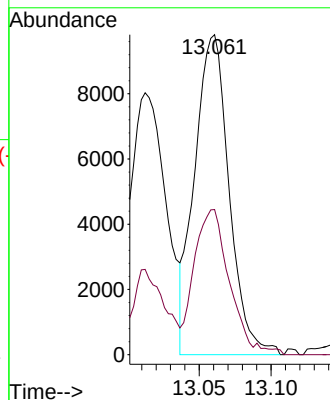
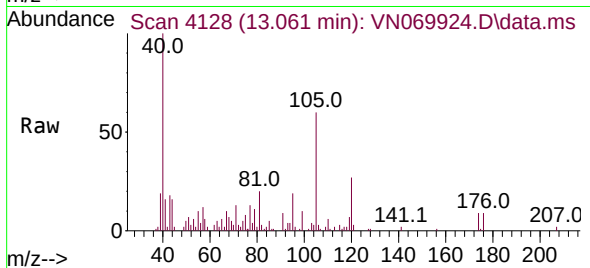
RW-1A

Tgt Ion:105 Resp: 16368

Ion Ratio Lower Upper

105 100

120 46.7 24.6 73.6



#85

sec-Butylbenzene

Concen: 0.312 ug/l

RT: 13.501 min Scan# 4292

Delta R.T. -0.003 min

Lab File: VN069924.D

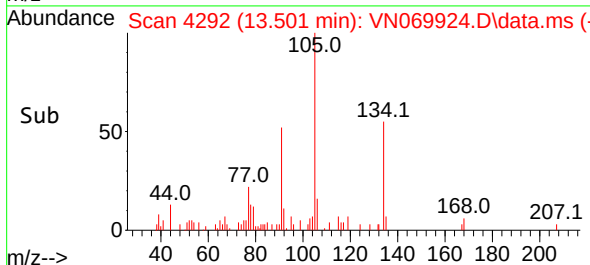
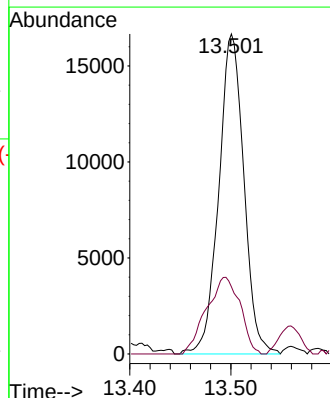
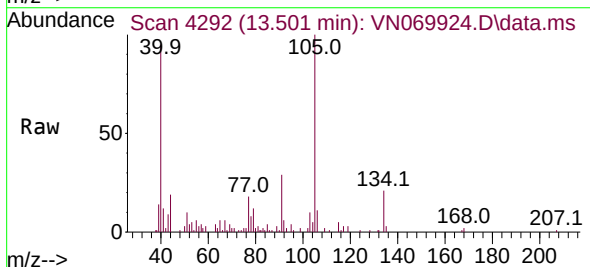
Acq: 9 Dec 2021 20:35

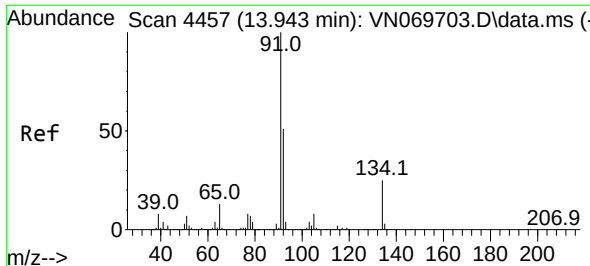
Tgt Ion:105 Resp: 28655

Ion Ratio Lower Upper

105 100

134 32.2 10.4 31.1#

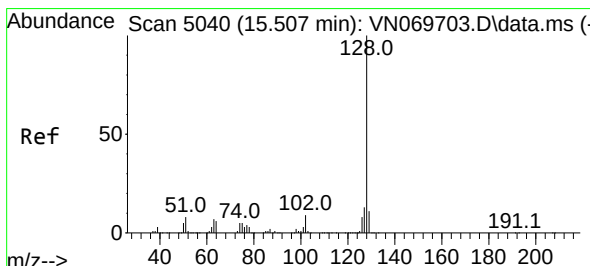
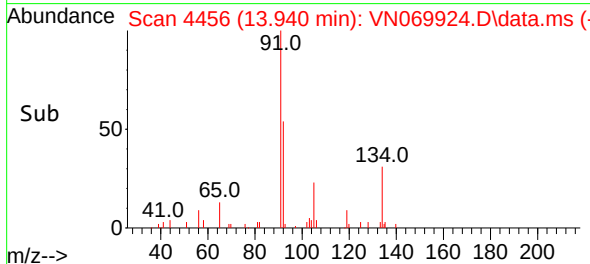
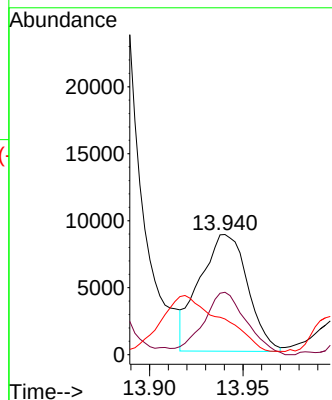
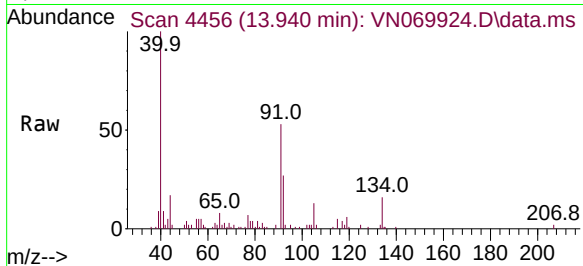




#89
n-Butylbenzene
Concen: 0.268 ug/l
RT: 13.940 min Scan# 4457
Delta R.T. -0.003 min
Lab File: VN069924.D
Acq: 9 Dec 2021 20:35

Instrument :
MSVOA_N
ClientSampleId :
RW-1A

Tgt Ion: 91 Resp: 15583
Ion Ratio Lower Upper
91 100
92 48.4 25.4 76.0
134 0.0 13.6 40.8#



#95
Naphthalene
Concen: 6.385 ug/l
RT: 15.504 min Scan# 5039
Delta R.T. -0.003 min
Lab File: VN069924.D
Acq: 9 Dec 2021 20:35

Tgt Ion:128 Resp: 135958
Ion Ratio Lower Upper
128 100
127 13.7 10.5 15.7
129 10.6 8.7 13.1

