

Data Path : Z:\voasrv\HPCHEM1\MSVOA_N\Data\VN121021\
 Data File : VN069968.D
 Acq On : 10 Dec 2021 19:23
 Operator : JC/MD
 Sample : M4969-05RE
 Misc : 5.00mL/MSVOA_N/WATER
 ALS Vial : 14 Sample Multiplier: 1

Instrument :
 MSVOA_N
 ClientSampleId :
 MW-3RE

Quant Time: Dec 11 05:23:47 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	1141445	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	8.968	114	2165290	50.00	ug/l	0.00
63) Chlorobenzene-d5	11.744	117	2535348	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.675	152	1158477	50.00	ug/l	0.00

System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	8.440	65	914312	51.88	ug/l	0.00
Spiked Amount	50.000	Range	61 - 141	Recovery	=	103.76%
35) Dibromofluoromethane	8.024	113	666631	49.15	ug/l	0.00
Spiked Amount	50.000	Range	69 - 133	Recovery	=	98.30%
50) Toluene-d8	10.443	98	2862948	52.57	ug/l	0.00
Spiked Amount	50.000	Range	65 - 126	Recovery	=	105.14%
62) 4-Bromofluorobenzene	12.731	95	1280603	64.91	ug/l	0.00
Spiked Amount	50.000	Range	58 - 135	Recovery	=	129.82%

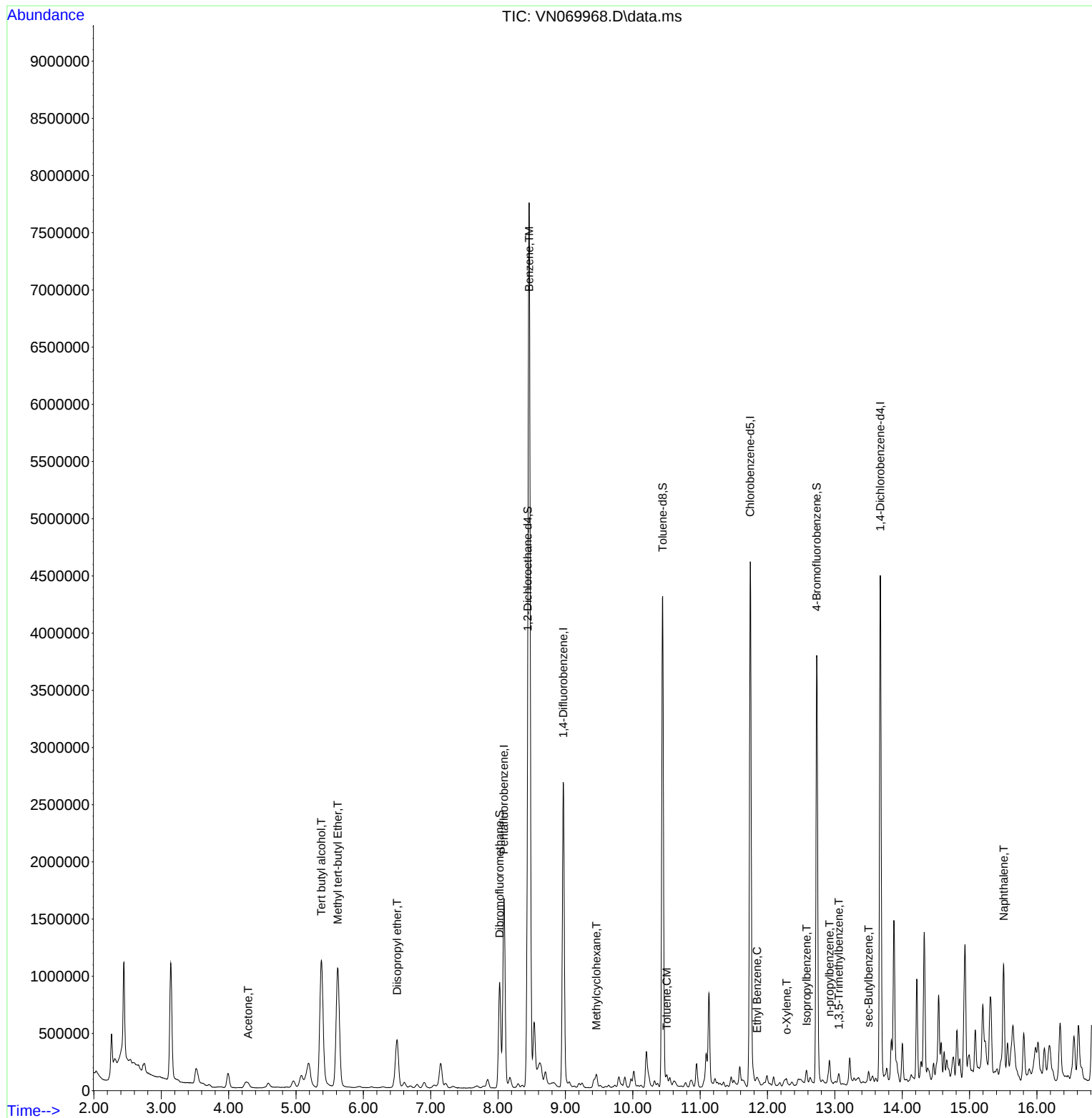
Target Compounds						Qvalue
11) Tert butyl alcohol	5.377	59	2049259	615.14	ug/l	99
16) Acetone	4.291	43	83857	7.91	ug/l	92
19) Methyl tert-butyl Ether	5.621	73	1481601	35.05	ug/l #	82
22) Diisopropyl ether	6.501	45	521140	10.88	ug/l #	87
39) Methylcyclohexane	9.461	83	42748	1.74	ug/l #	83
40) Benzene	8.461	78	7327257	116.30	ug/l	98
52) Toluene	10.505	92	35789	0.93	ug/l	97
67) Ethyl Benzene	11.846	91	25368	0.27	ug/l	91
69) o-Xylene	12.283	106	12200	0.36	ug/l	77
73) Isopropylbenzene	12.581	105	63539	0.62	ug/l	98
78) n-propylbenzene	12.921	91	157213	1.37	ug/l	96
80) 1,3,5-Trimethylbenzene	13.061	105	26314	0.32	ug/l	95
85) sec-Butylbenzene	13.500	105	62720	0.63	ug/l	92
95) Naphthalene	15.507	128	856992	17.92	ug/l	99

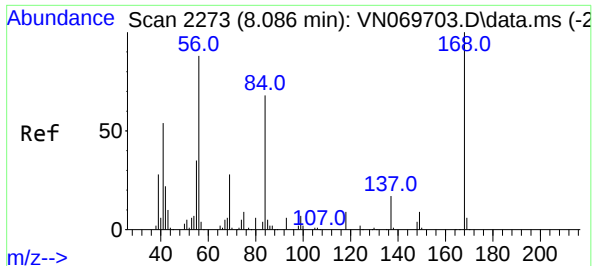
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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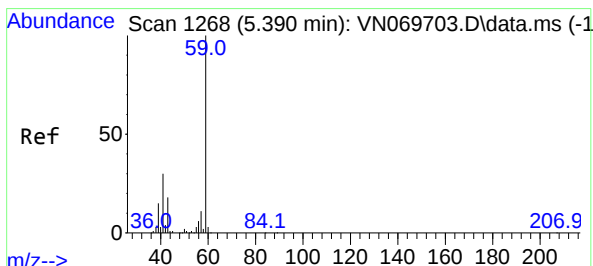
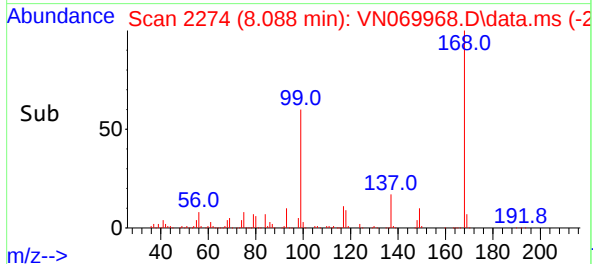
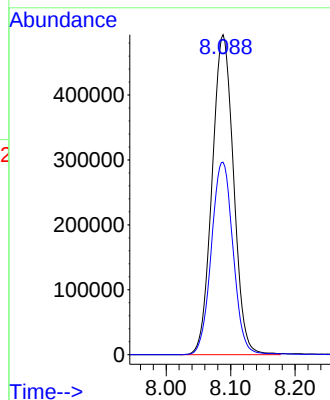
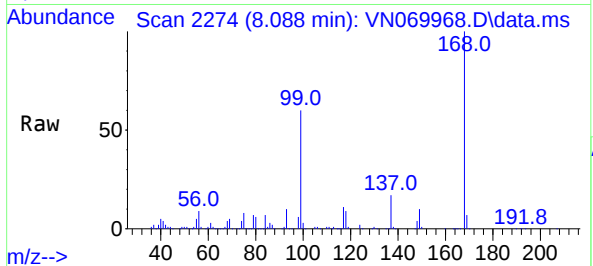




#1
Pentafluorobenzene
Concen: 50.00 ug/l
RT: 8.088 min Scan# 21
Delta R.T. 0.002 min
Lab File: VN069968.D
Acq: 10 Dec 2021 19:23

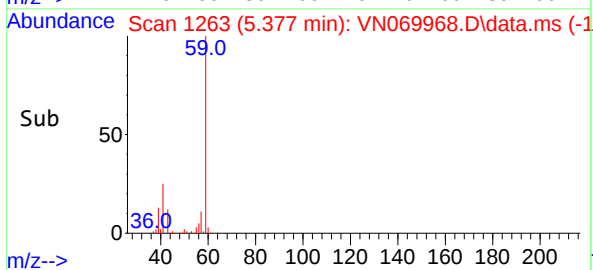
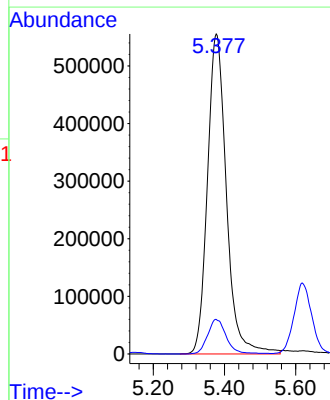
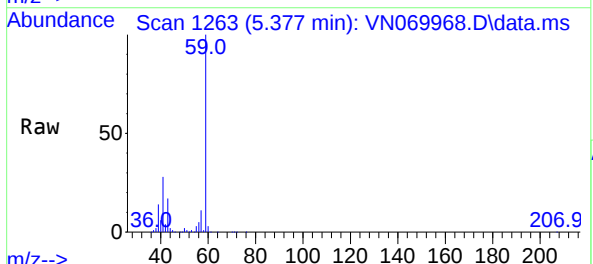
Instrument :
MSVOA_N
ClientSampleId :
MW-3RE

Tgt Ion:168 Resp: 1141445
Ion Ratio Lower Upper
168 100
99 60.1 41.3 61.9



#11
Tert butyl alcohol
Concen: 615.14 ug/l
RT: 5.377 min Scan# 1263
Delta R.T. -0.013 min
Lab File: VN069968.D
Acq: 10 Dec 2021 19:23

Tgt Ion: 59 Resp: 2049259
Ion Ratio Lower Upper
59 100
57 10.6 8.7 13.1

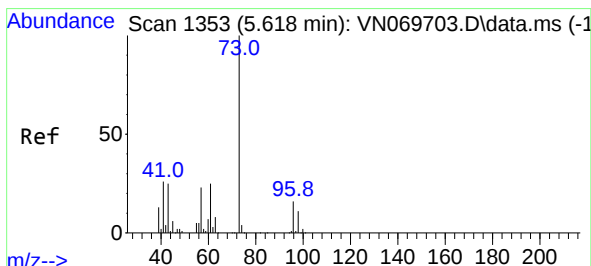
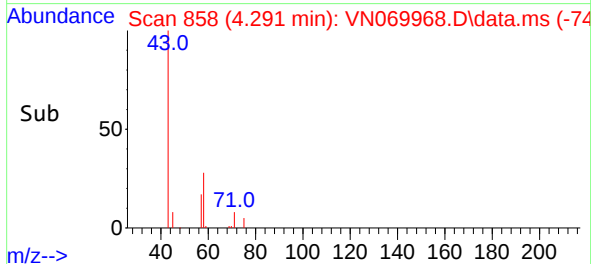
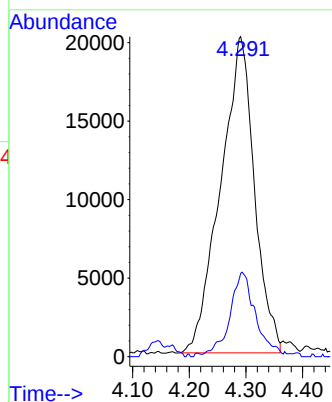
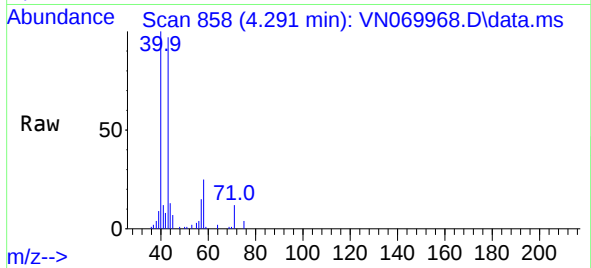




#16
Acetone
Concen: 7.91 ug/l
RT: 4.291 min Scan# 858
Delta R.T. 0.000 min
Lab File: VN069968.D
Acq: 10 Dec 2021 19:23

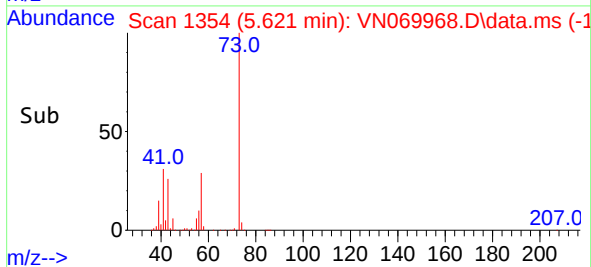
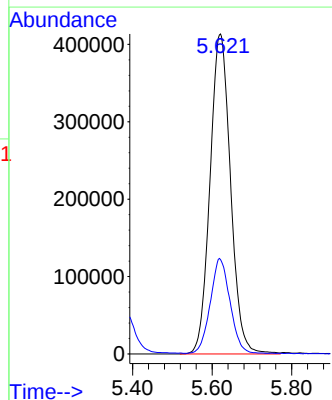
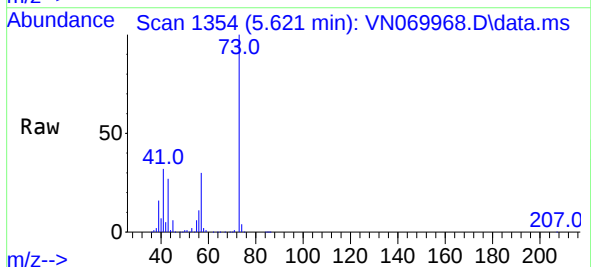
Instrument :
MSVOA_N
ClientSampleId :
MW-3RE

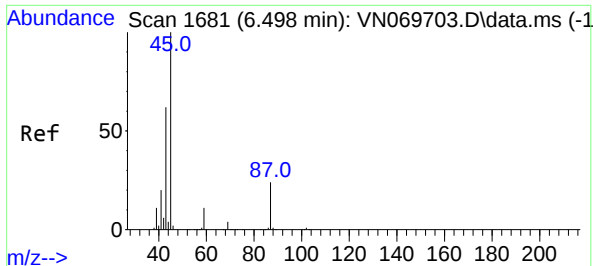
Tgt Ion: 43 Resp: 83857
Ion Ratio Lower Upper
43 100
58 24.9 23.1 34.7



#19
Methyl tert-butyl Ether
Concen: 35.05 ug/l
RT: 5.621 min Scan# 1354
Delta R.T. 0.003 min
Lab File: VN069968.D
Acq: 10 Dec 2021 19:23

Tgt Ion: 73 Resp: 1481601
Ion Ratio Lower Upper
73 100
57 29.3 16.8 25.2#

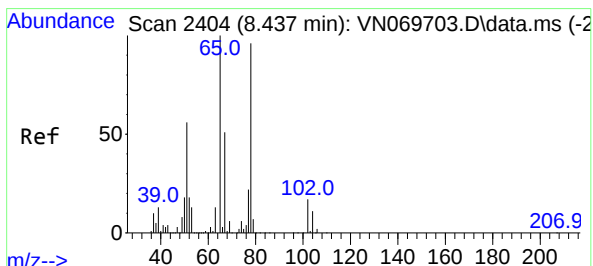
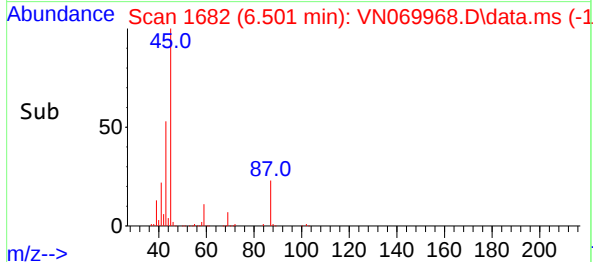
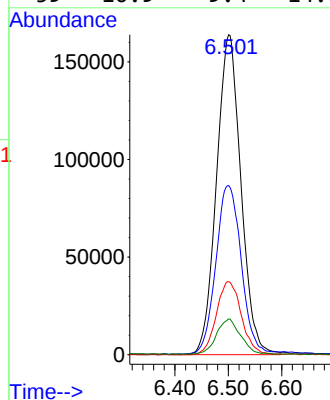
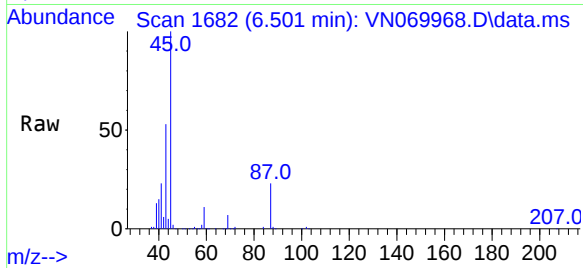




#22
Diisopropyl ether
Concen: 10.88 ug/l
RT: 6.501 min Scan# 1
Delta R.T. 0.003 min
Lab File: VN069968.D
Acq: 10 Dec 2021 19:23

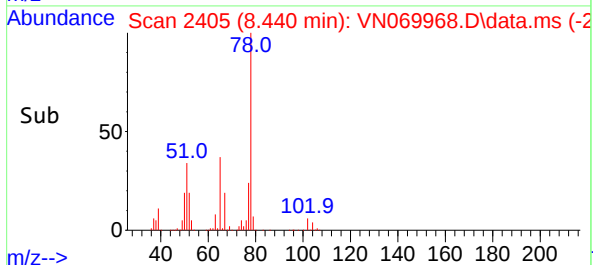
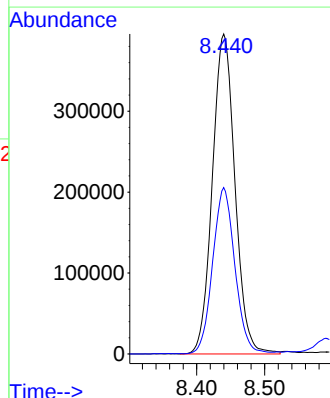
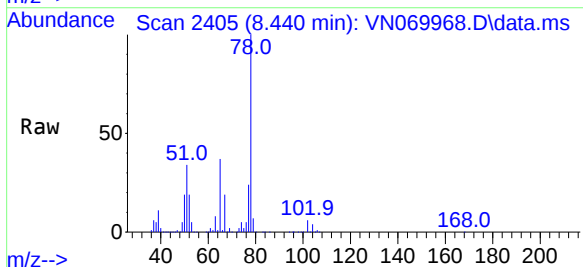
Instrument :
MSVOA_N
ClientSampleId :
MW-3RE

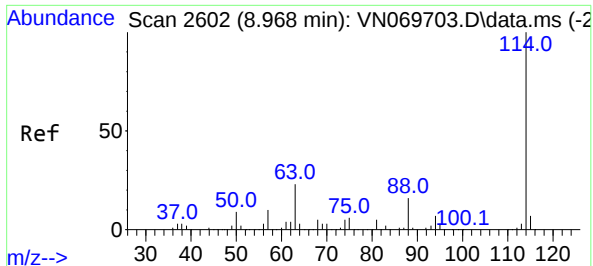
Tgt Ion: 45	Resp: 521140
Ion Ratio	Lower Upper
45 100	
43 52.6	51.7 77.5
87 22.8	23.2 34.8#
59 10.9	9.4 14.0



#33
1,2-Dichloroethane-d4
Concen: 51.88 ug/l
RT: 8.440 min Scan# 2405
Delta R.T. 0.003 min
Lab File: VN069968.D
Acq: 10 Dec 2021 19:23

Tgt Ion: 65	Resp: 914312
Ion Ratio	Lower Upper
65 100	
67 50.9	0.0 103.0

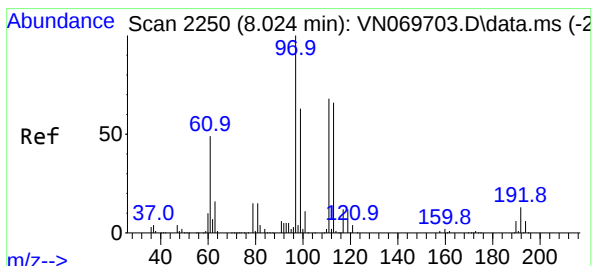
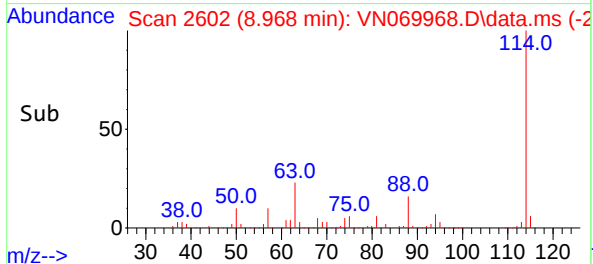
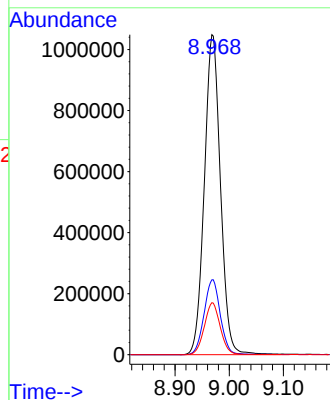
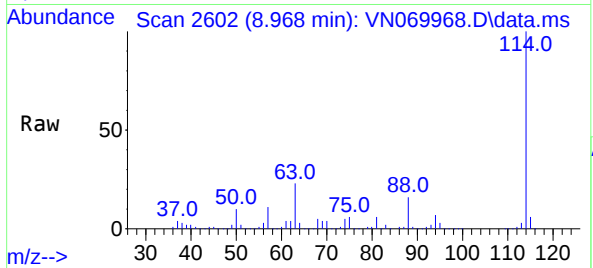




#34
1,4-Difluorobenzene
Concen: 50.00 ug/l
RT: 8.968 min Scan# 2602
Delta R.T. -0.000 min
Lab File: VN069968.D
Acq: 10 Dec 2021 19:23

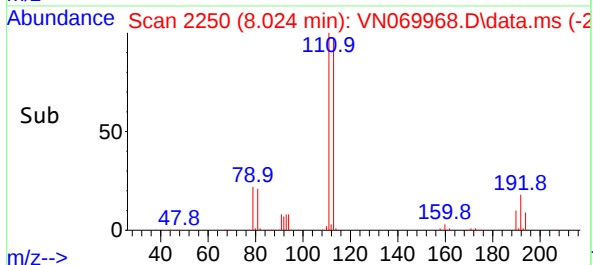
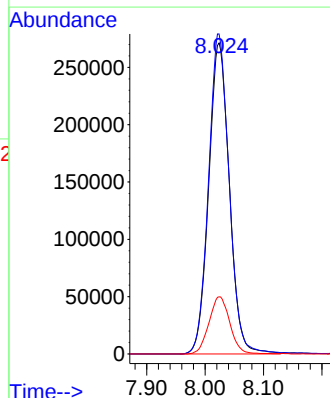
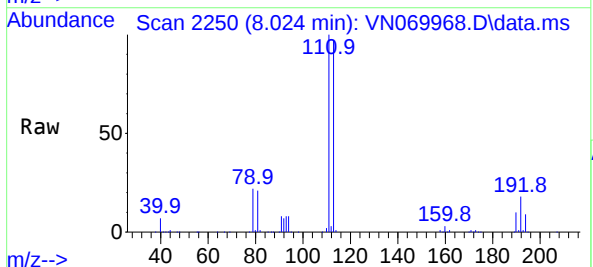
Instrument :
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ClientSampleId :
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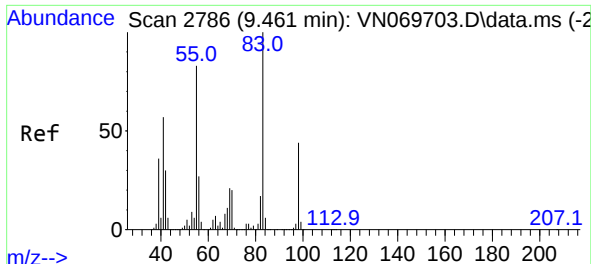
Tgt Ion:114 Resp: 2165290
Ion Ratio Lower Upper
114 100
63 23.4 0.0 37.8
88 16.2 0.0 27.4



#35
Dibromofluoromethane
Concen: 49.15 ug/l
RT: 8.024 min Scan# 2250
Delta R.T. 0.000 min
Lab File: VN069968.D
Acq: 10 Dec 2021 19:23

Tgt Ion:113 Resp: 666631
Ion Ratio Lower Upper
113 100
111 102.6 82.2 123.2
192 18.6 16.9 25.3





#39

Methylcyclohexane

Concen: 1.74 ug/l

RT: 9.461 min Scan# 21

Delta R.T. 0.000 min

Lab File: VN069968.D

Acq: 10 Dec 2021 19:23

Instrument :

MSVOA_N

ClientSampleId :

MW-3RE

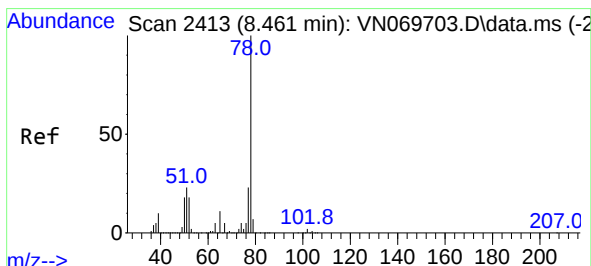
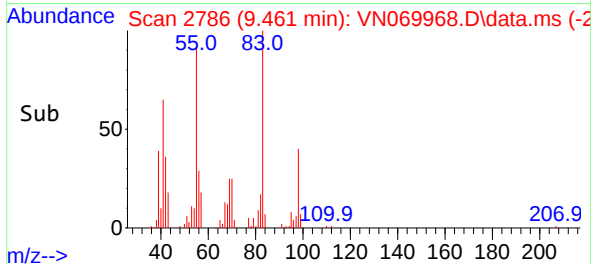
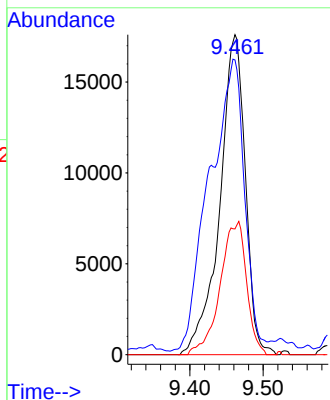
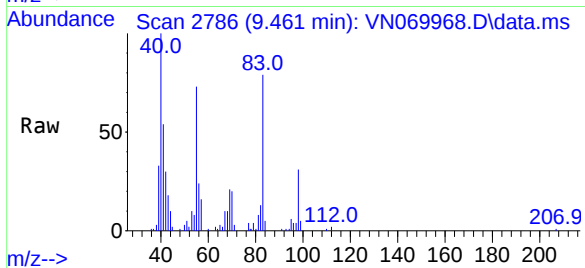
Tgt Ion: 83 Resp: 42748

Ion Ratio Lower Upper

83 100

55 89.2 58.1 87.1#

98 39.3 38.4 57.6



#40

Benzene

Concen: 116.30 ug/l

RT: 8.461 min Scan# 2413

Delta R.T. 0.000 min

Lab File: VN069968.D

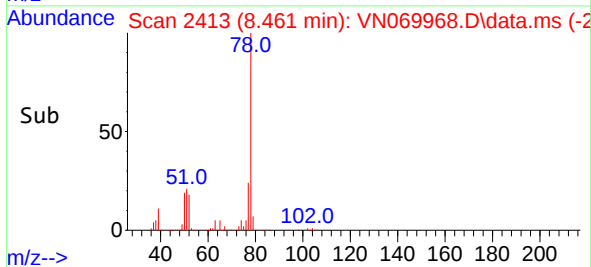
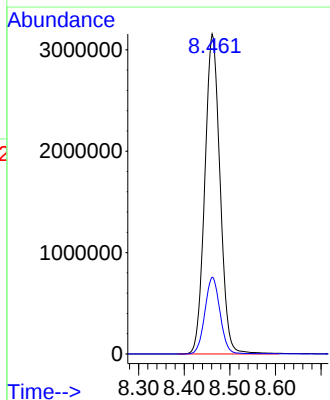
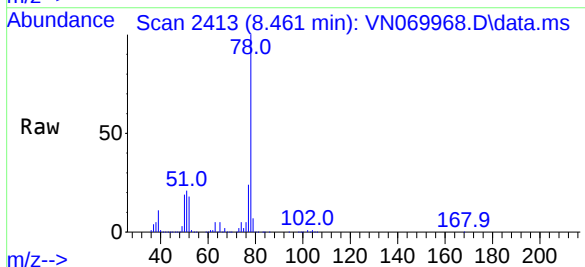
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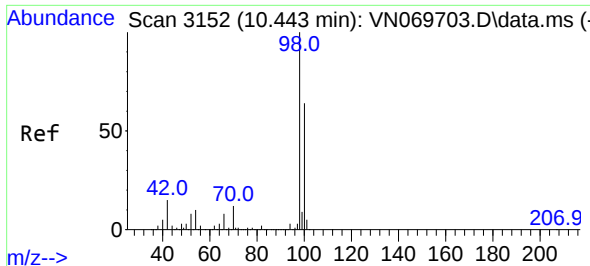
Tgt Ion: 78 Resp: 7327257

Ion Ratio Lower Upper

78 100

77 24.0 18.6 27.8

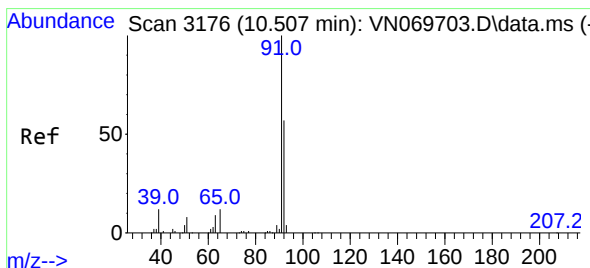
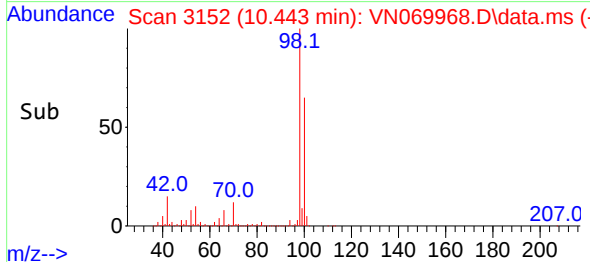
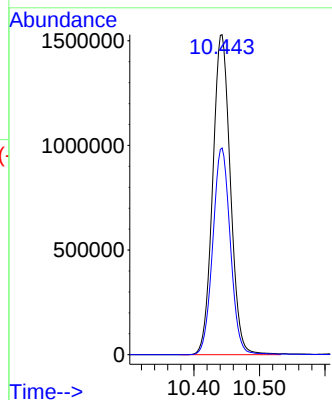
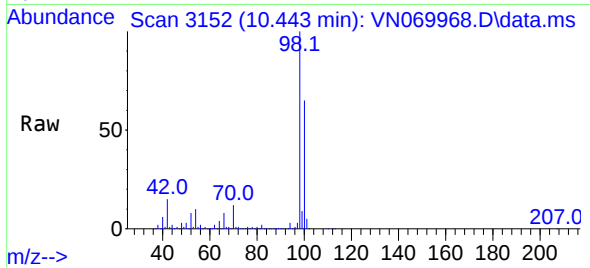




#50
Toluene-d8
Concen: 52.57 ug/l
RT: 10.443 min Scan# 3152
Delta R.T. 0.000 min
Lab File: VN069968.D
Acq: 10 Dec 2021 19:23

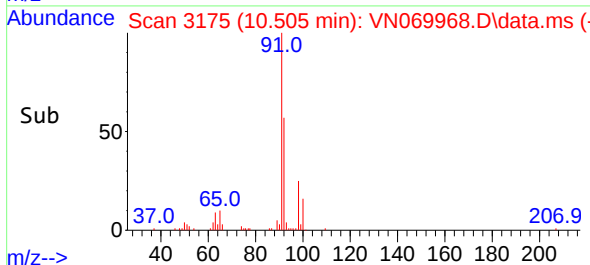
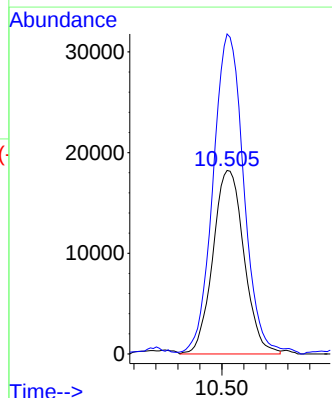
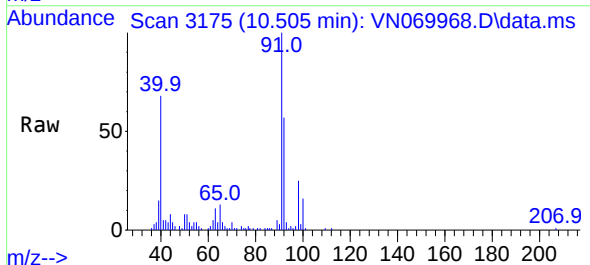
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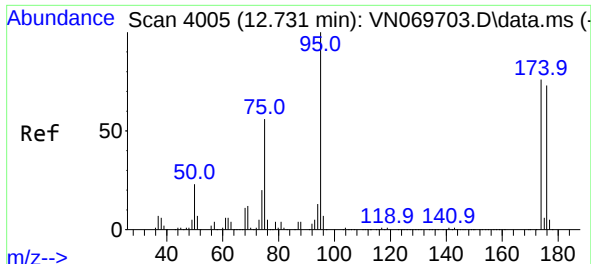
Tgt Ion: 98 Resp: 2862948
Ion Ratio Lower Upper
98 100
100 64.1 50.4 75.6



#52
Toluene
Concen: 0.93 ug/l
RT: 10.505 min Scan# 3175
Delta R.T. -0.003 min
Lab File: VN069968.D
Acq: 10 Dec 2021 19:23

Tgt Ion: 92 Resp: 35789
Ion Ratio Lower Upper
92 100
91 172.9 142.0 213.0

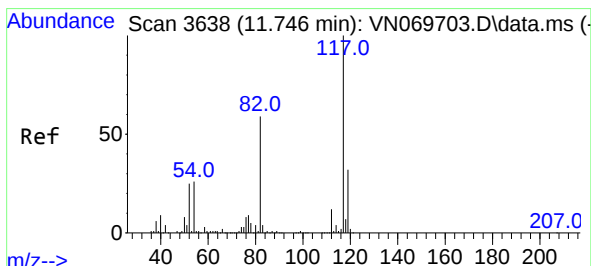
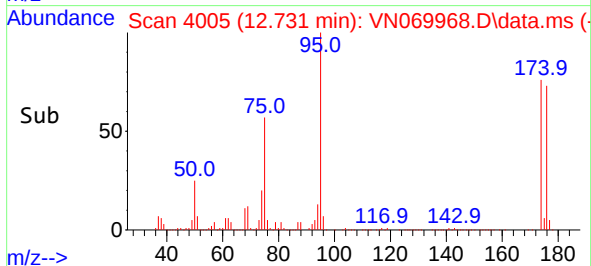
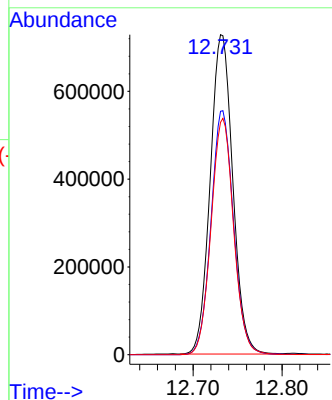
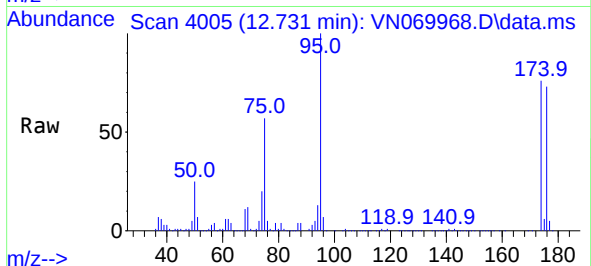




#62
4-Bromofluorobenzene
Concen: 64.91 ug/l
RT: 12.731 min Scan# 4005
Delta R.T. -0.000 min
Lab File: VN069968.D
Acq: 10 Dec 2021 19:23

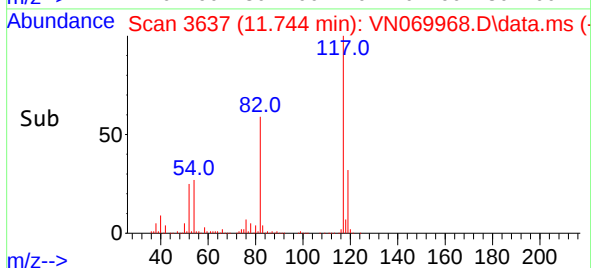
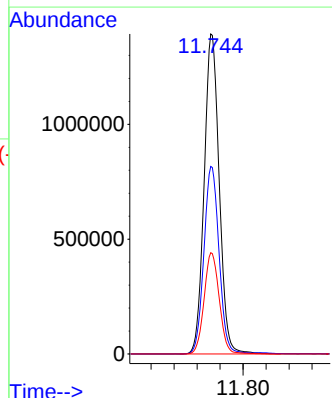
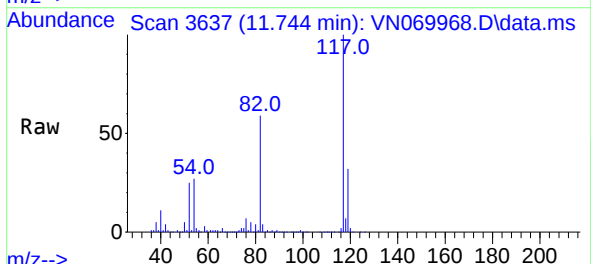
Instrument :
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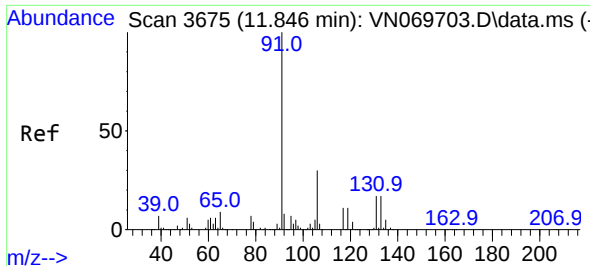
Tgt Ion: 95 Resp: 1280603
Ion Ratio Lower Upper
95 100
174 76.5 0.0 187.2
176 74.0 0.0 181.4



#63
Chlorobenzene-d5
Concen: 50.00 ug/l
RT: 11.744 min Scan# 3637
Delta R.T. -0.002 min
Lab File: VN069968.D
Acq: 10 Dec 2021 19:23

Tgt Ion: 117 Resp: 2535348
Ion Ratio Lower Upper
117 100
82 58.6 42.4 63.6
119 31.7 25.4 38.2

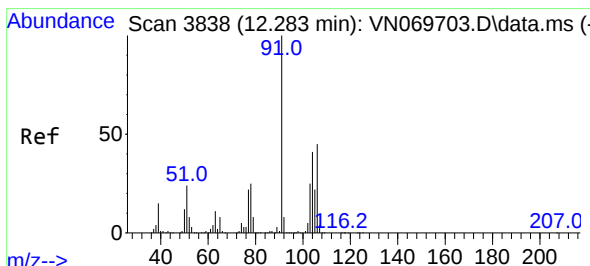
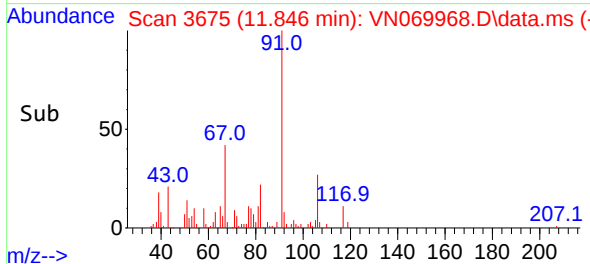
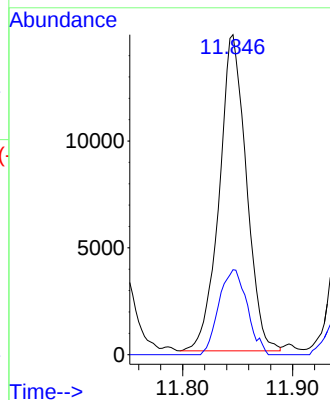
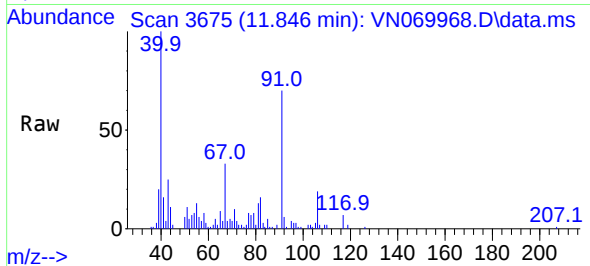




#67
Ethyl Benzene
Concen: 0.27 ug/l
RT: 11.846 min Scan# 30
Delta R.T. 0.000 min
Lab File: VN069968.D
Acq: 10 Dec 2021 19:23

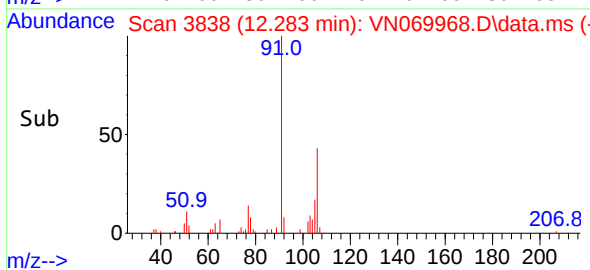
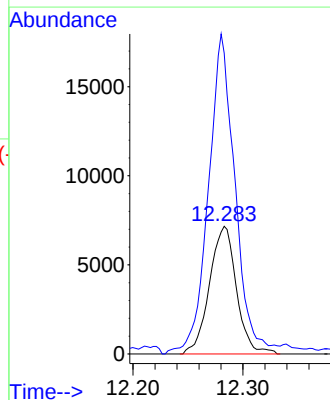
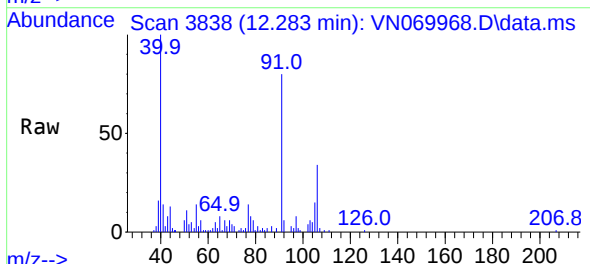
Instrument :
MSVOA_N
ClientSampleId :
MW-3RE

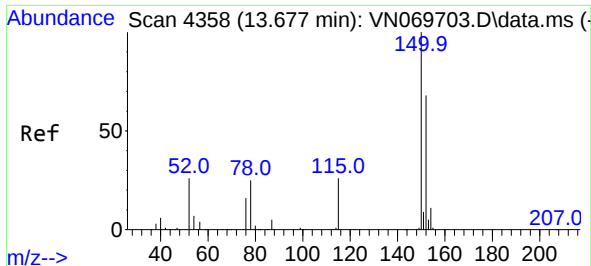
Tgt Ion: 91 Resp: 25368
Ion Ratio Lower Upper
91 100
106 26.9 25.7 38.5



#69
o-Xylene
Concen: 0.36 ug/l
RT: 12.283 min Scan# 3838
Delta R.T. 0.000 min
Lab File: VN069968.D
Acq: 10 Dec 2021 19:23

Tgt Ion: 106 Resp: 12200
Ion Ratio Lower Upper
106 100
91 248.4 105.8 317.3

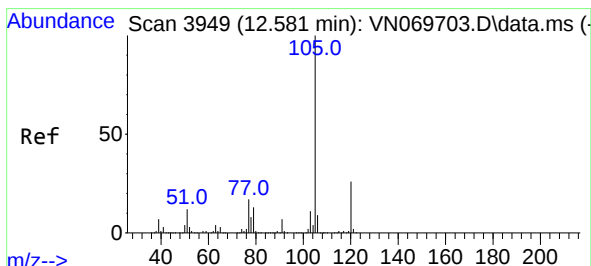
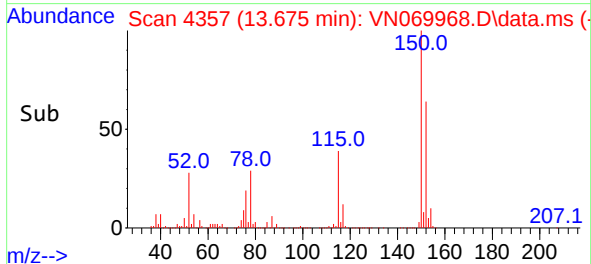
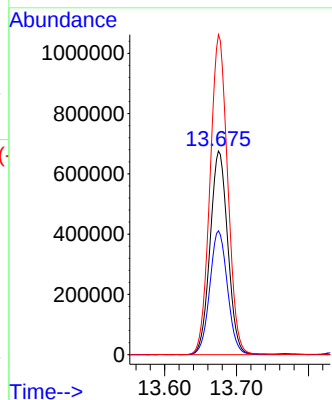
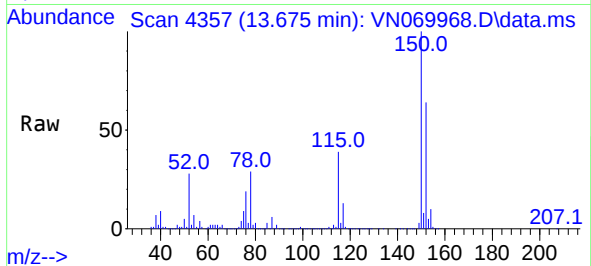




#72
1,4-Dichlorobenzene-d4
Concen: 50.00 ug/l
RT: 13.675 min Scan# 41
Delta R.T. -0.003 min
Lab File: VN069968.D
Acq: 10 Dec 2021 19:23

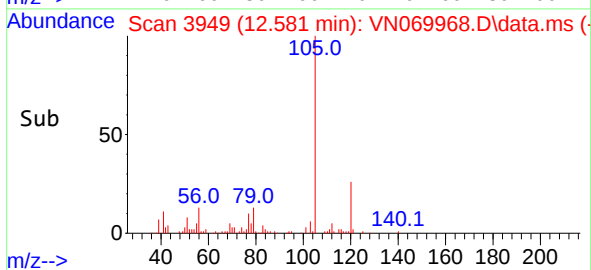
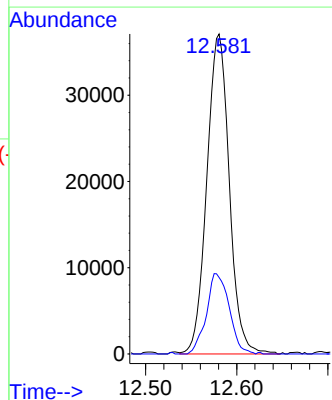
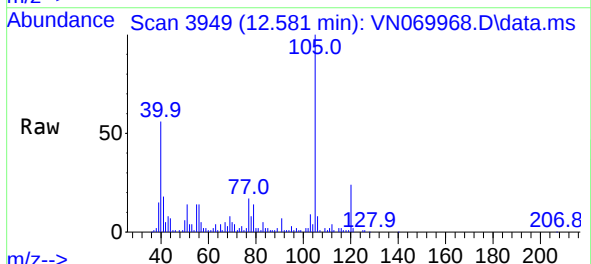
Instrument :
MSVOA_N
ClientSampleId :
MW-3RE

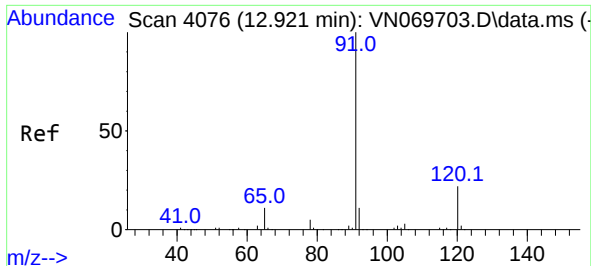
Tgt Ion:152 Resp: 1158477
Ion Ratio Lower Upper
152 100
115 60.5 27.5 82.5
150 156.3 0.0 344.4



#73
Isopropylbenzene
Concen: 0.62 ug/l
RT: 12.581 min Scan# 3949
Delta R.T. 0.000 min
Lab File: VN069968.D
Acq: 10 Dec 2021 19:23

Tgt Ion:105 Resp: 63539
Ion Ratio Lower Upper
105 100
120 25.5 13.4 40.1

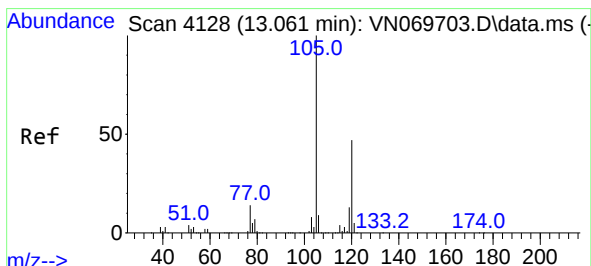
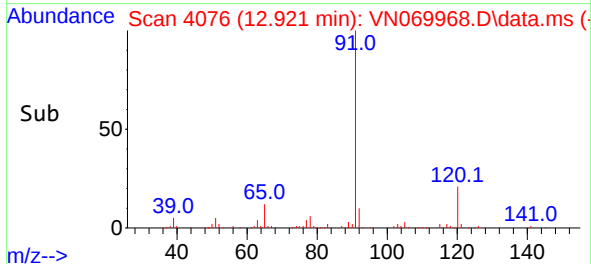
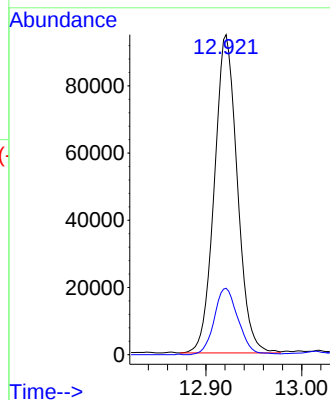
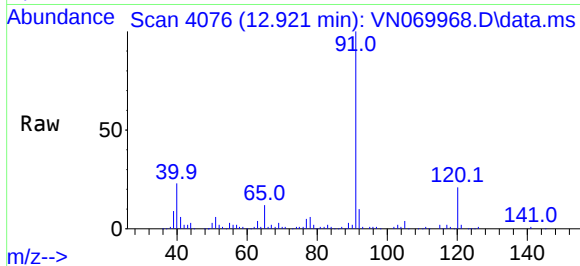




#78
n-propylbenzene
Concen: 1.37 ug/l
RT: 12.921 min Scan# 4076
Delta R.T. 0.000 min
Lab File: VN069968.D
Acq: 10 Dec 2021 19:23

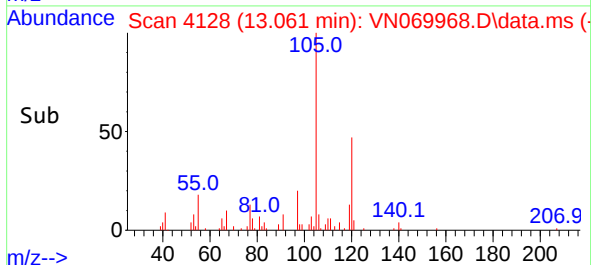
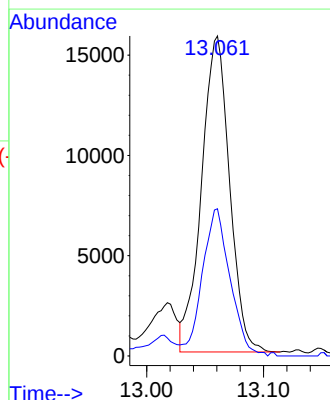
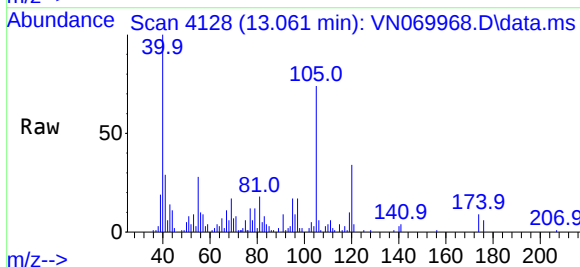
Instrument :
MSVOA_N
ClientSampleId :
MW-3RE

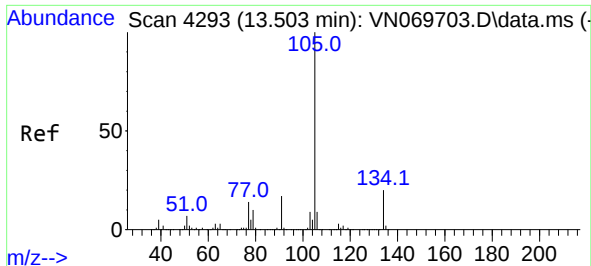
Tgt Ion: 91 Resp: 157213
Ion Ratio Lower Upper
91 100
120 21.8 11.9 35.9



#80
1,3,5-Trimethylbenzene
Concen: 0.32 ug/l
RT: 13.061 min Scan# 4128
Delta R.T. 0.000 min
Lab File: VN069968.D
Acq: 10 Dec 2021 19:23

Tgt Ion: 105 Resp: 26314
Ion Ratio Lower Upper
105 100
120 45.8 24.6 73.6

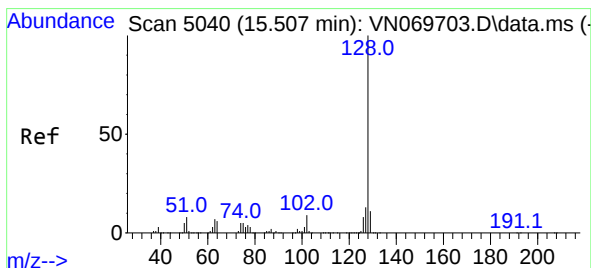
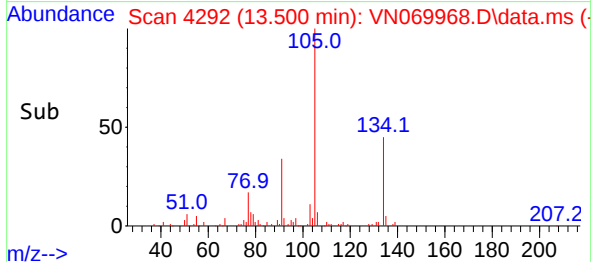
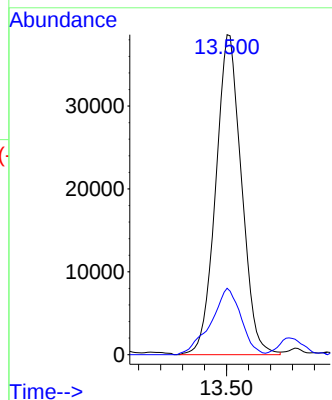
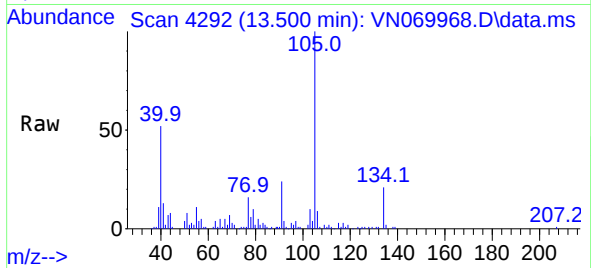




#85
 sec-Butylbenzene
 Concen: 0.63 ug/l
 RT: 13.500 min Scan# 41
 Delta R.T. -0.003 min
 Lab File: VN069968.D
 Acq: 10 Dec 2021 19:23

Instrument :
 MSVOA_N
 ClientSampleId :
 MW-3RE

Tgt Ion:105 Resp: 62720
 Ion Ratio Lower Upper
 105 100
 134 24.3 10.4 31.1



#95
 Naphthalene
 Concen: 17.92 ug/l
 RT: 15.507 min Scan# 5040
 Delta R.T. -0.000 min
 Lab File: VN069968.D
 Acq: 10 Dec 2021 19:23

Tgt Ion:128 Resp: 856992
 Ion Ratio Lower Upper
 128 100
 127 13.6 10.5 15.7
 129 11.5 8.7 13.1

