

Data Path : Z:\voasrv\HPCHEM1\MSVOA_N\Data\VN122021\
 Data File : VN070243.D
 Acq On : 20 Dec 2021 16:19
 Operator : JC/MD
 Sample : M5044-13
 Misc : 5.89g/10mL/100uL/5.00mL/MSVOA_N/MEOH
 ALS Vial : 15 Sample Multiplier: 1

Instrument :
 MSVOA_N
 ClientSampleId :
 DA-13-4.5

Quant Time: Dec 21 04:03:17 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)

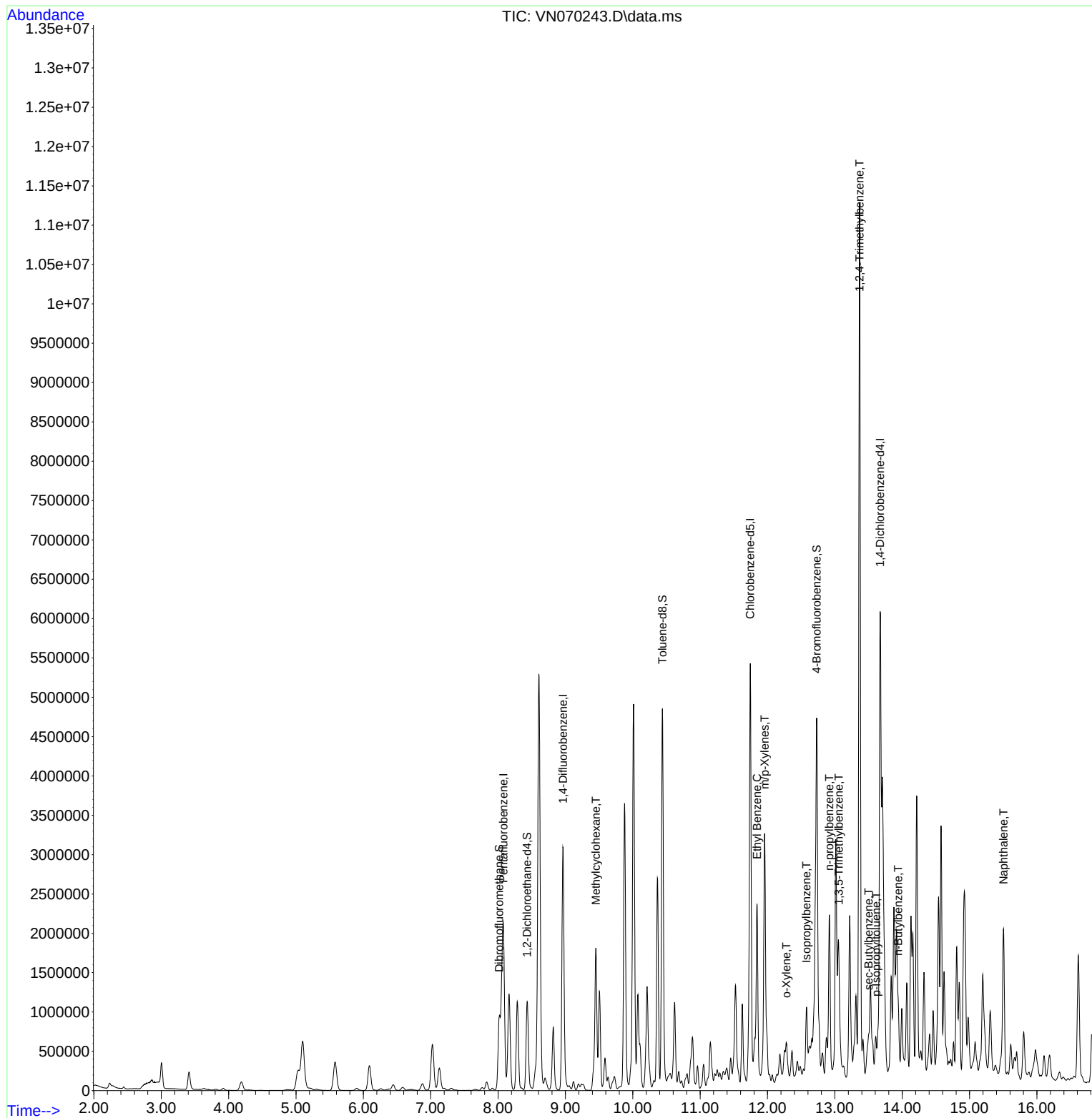
Internal Standards						
1) Pentafluorobenzene	8.080	168	1303857	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	8.965	114	2443375	50.00	ug/l	0.00
63) Chlorobenzene-d5	11.744	117	2737112	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.672	152	1458527	50.00	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	8.431	65	1006875	50.01	ug/l	0.00
Spiked Amount 50.000	Range 61 - 141		Recovery = 100.02%			
35) Dibromofluoromethane	8.016	113	679265	44.38	ug/l	0.00
Spiked Amount 50.000	Range 69 - 133		Recovery = 88.76%			
50) Toluene-d8	10.440	98	3193599	51.97	ug/l	0.00
Spiked Amount 50.000	Range 65 - 126		Recovery = 103.94%			
62) 4-Bromofluorobenzene	12.731	95	1528368	68.65	ug/l	0.00
Spiked Amount 50.000	Range 58 - 135		Recovery = 137.30%#			
Target Compounds					Qvalue	
39) Methylcyclohexane	9.453	83	194799	7.04	ug/l #	49
67) Ethyl Benzene	11.843	91	1500393	14.88	ug/l	95
68) m/p-Xylenes	11.958	106	667502	18.18	ug/l	92
69) o-Xylene	12.280	106	105466	2.85	ug/l	92
73) Isopropylbenzene	12.578	105	582481	4.49	ug/l	99
78) n-propylbenzene	12.918	91	1536122	10.64	ug/l	96
80) 1,3,5-Trimethylbenzene	13.058	105	521236	4.99	ug/l	100
84) 1,2,4-Trimethylbenzene	13.366	105	6188765	62.22	ug/l	98
85) sec-Butylbenzene	13.500	105	190371	1.52	ug/l #	58
86) p-Isopropyltoluene	13.613	119	99757	1.02	ug/l	99
89) n-Butylbenzene	13.940	91	541696	6.81	ug/l #	74
95) Naphthalene	15.504	128	1627530	25.00	ug/l	100

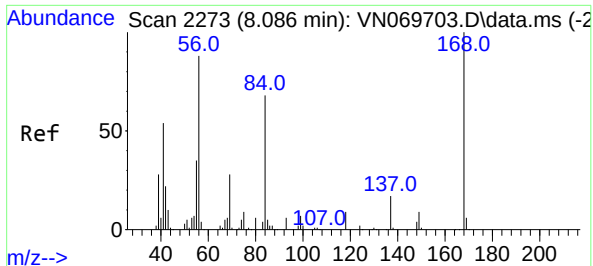
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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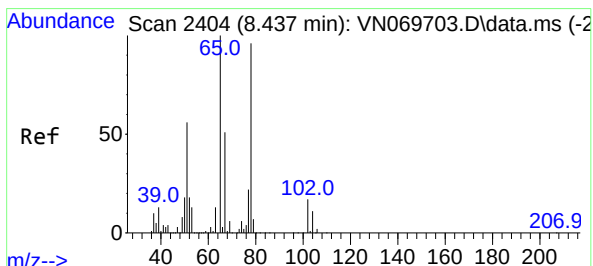
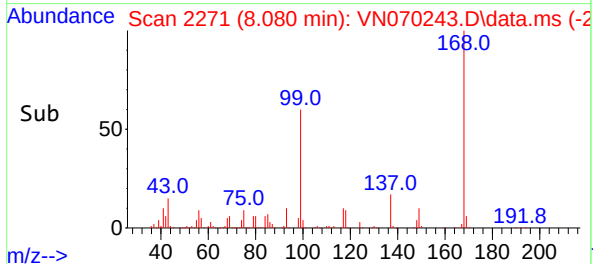
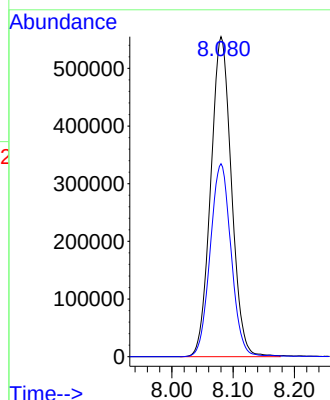
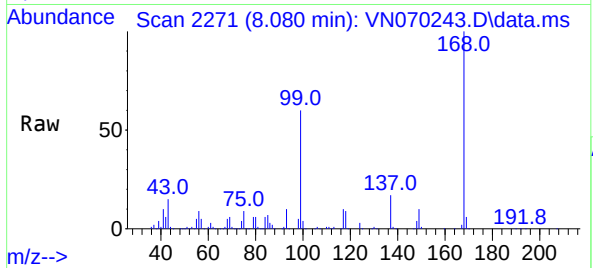




#1
Pentafluorobenzene
Concen: 50.00 ug/l
RT: 8.080 min Scan# 21
Delta R.T. -0.006 min
Lab File: VN070243.D
Acq: 20 Dec 2021 16:19

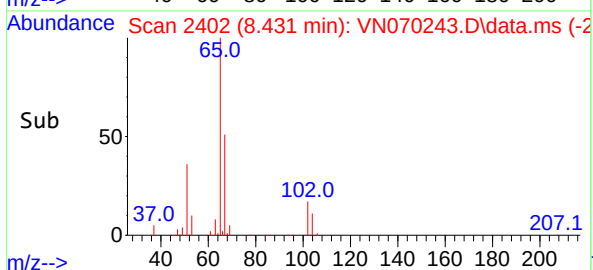
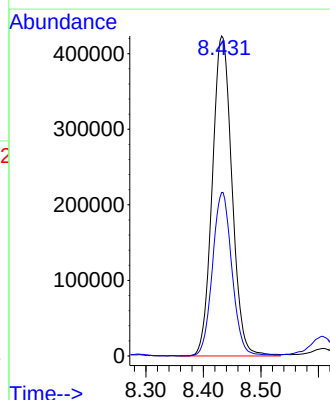
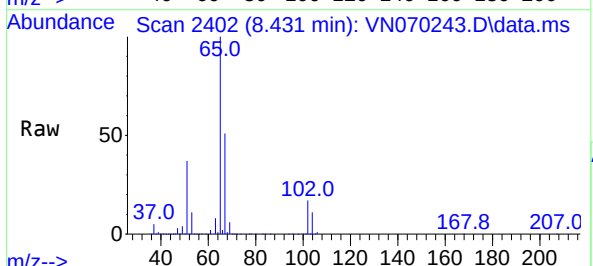
Instrument :
MSVOA_N
ClientSampleId :
DA-13-4.5

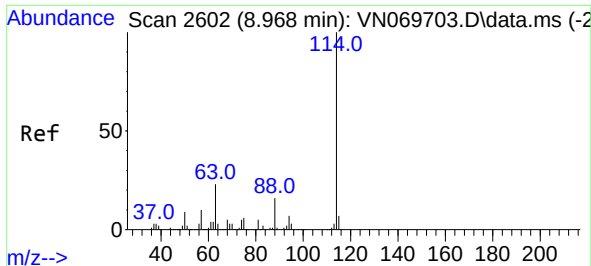
Tgt Ion:168 Resp: 1303857
Ion Ratio Lower Upper
168 100
99 60.3 41.3 61.9



#33
1,2-Dichloroethane-d4
Concen: 50.01 ug/l
RT: 8.431 min Scan# 2402
Delta R.T. -0.005 min
Lab File: VN070243.D
Acq: 20 Dec 2021 16:19

Tgt Ion: 65 Resp: 1006875
Ion Ratio Lower Upper
65 100
67 50.4 0.0 103.0

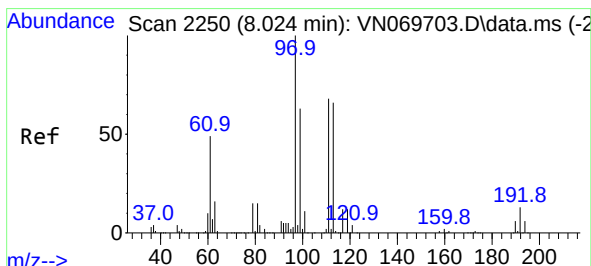
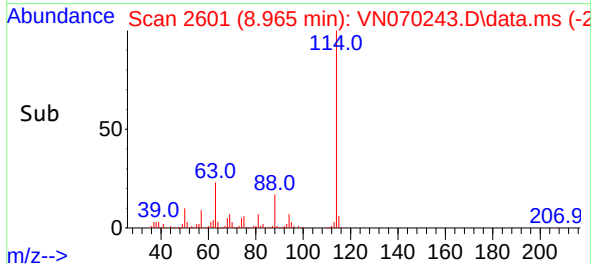
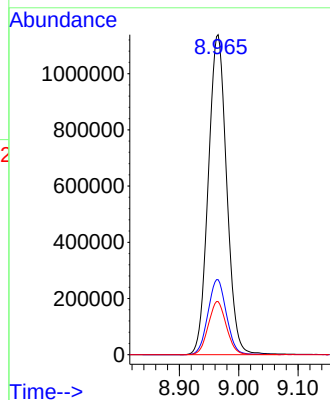
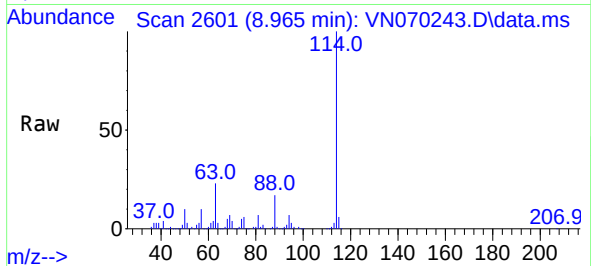




#34
1,4-Difluorobenzene
Concen: 50.00 ug/l
RT: 8.965 min Scan# 21
Delta R.T. -0.003 min
Lab File: VN070243.D
Acq: 20 Dec 2021 16:19

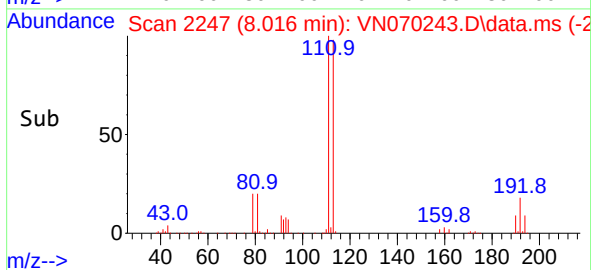
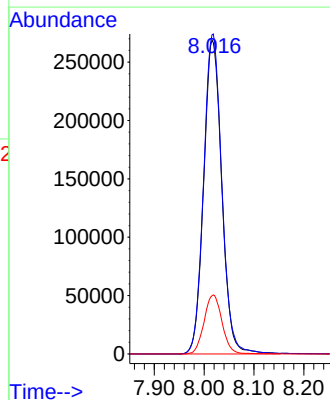
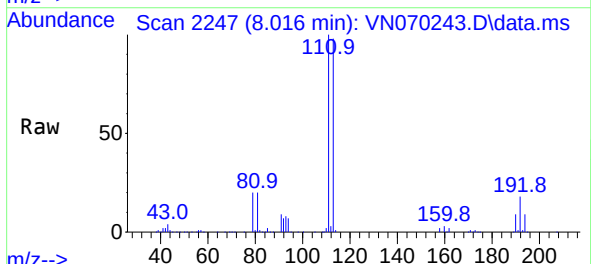
Instrument :
MSVOA_N
ClientSampleId :
DA-13-4.5

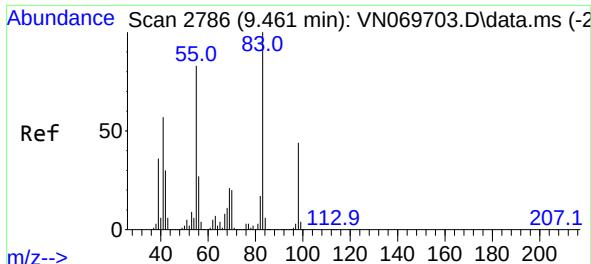
Tgt Ion:114 Resp: 2443375
Ion Ratio Lower Upper
114 100
63 23.5 0.0 37.8
88 16.6 0.0 27.4



#35
Dibromofluoromethane
Concen: 44.38 ug/l
RT: 8.016 min Scan# 2247
Delta R.T. -0.008 min
Lab File: VN070243.D
Acq: 20 Dec 2021 16:19

Tgt Ion:113 Resp: 679265
Ion Ratio Lower Upper
113 100
111 102.6 82.2 123.2
192 18.6 16.9 25.3

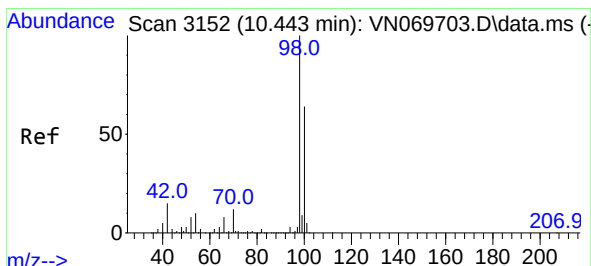
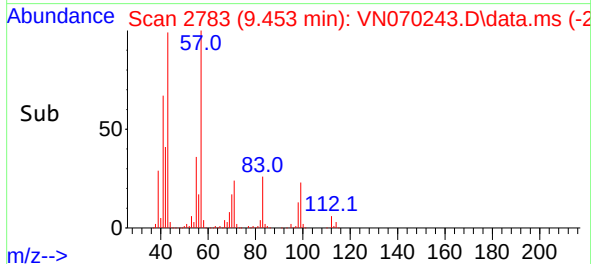
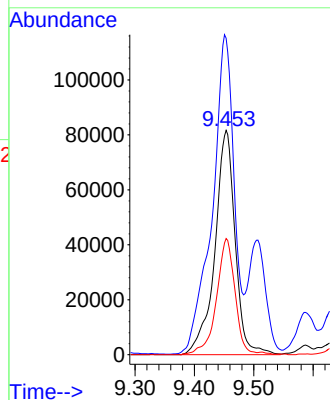
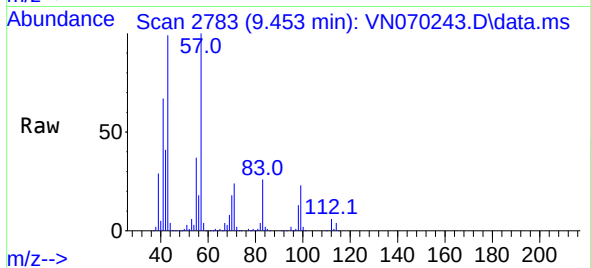




#39
Methylcyclohexane
Concen: 7.04 ug/l
RT: 9.453 min Scan# 21
Delta R.T. -0.008 min
Lab File: VN070243.D
Acq: 20 Dec 2021 16:19

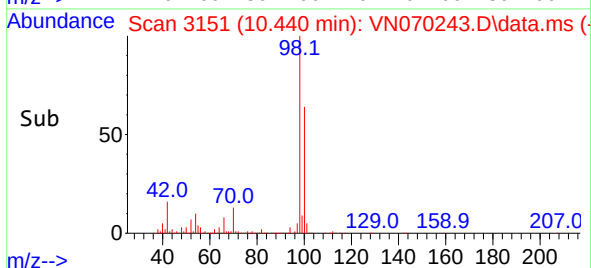
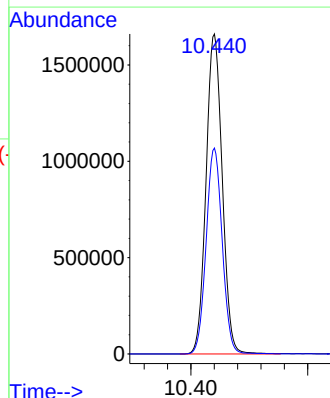
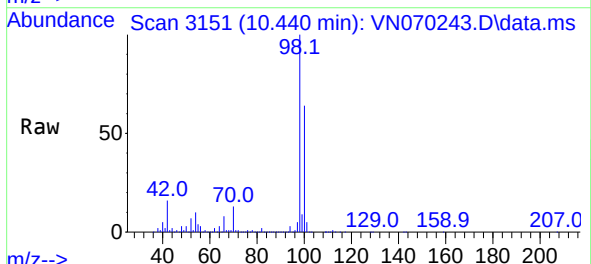
Instrument :
MSVOA_N
ClientSampleId :
DA-13-4.5

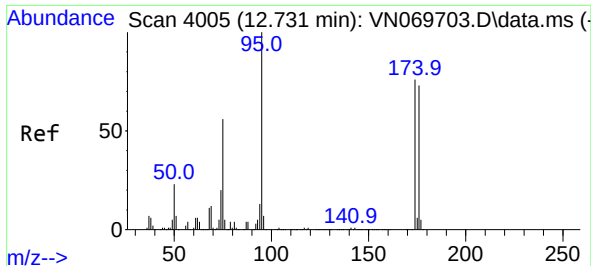
Tgt Ion: 83 Resp: 194799
Ion Ratio Lower Upper
83 100
55 140.4 58.1 87.1#
98 51.8 38.4 57.6



#50
Toluene-d8
Concen: 51.97 ug/l
RT: 10.440 min Scan# 3151
Delta R.T. -0.003 min
Lab File: VN070243.D
Acq: 20 Dec 2021 16:19

Tgt Ion: 98 Resp: 3193599
Ion Ratio Lower Upper
98 100
100 64.0 50.4 75.6

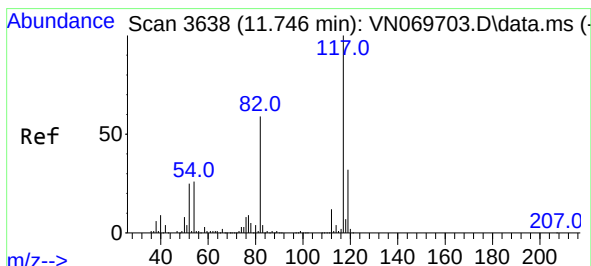
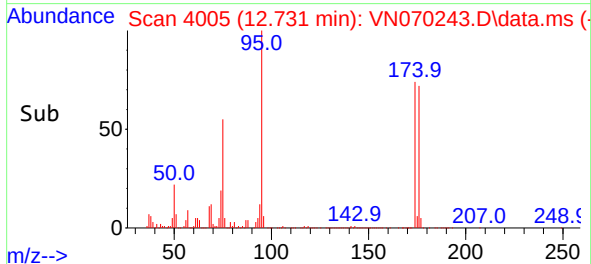
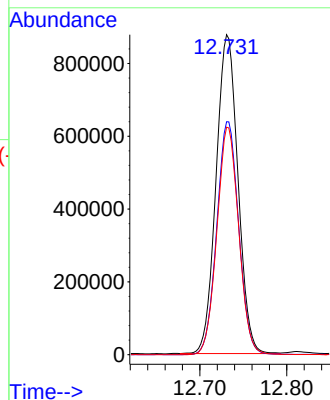
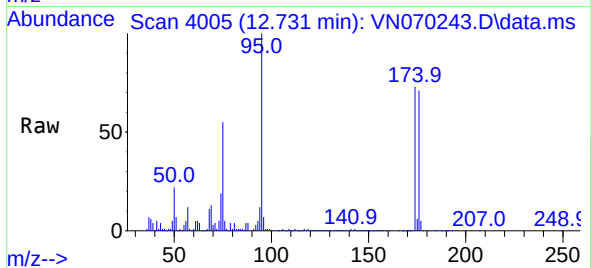




#62
4-Bromofluorobenzene
Concen: 68.65 ug/l
RT: 12.731 min Scan# 4005
Delta R.T. -0.000 min
Lab File: VN070243.D
Acq: 20 Dec 2021 16:19

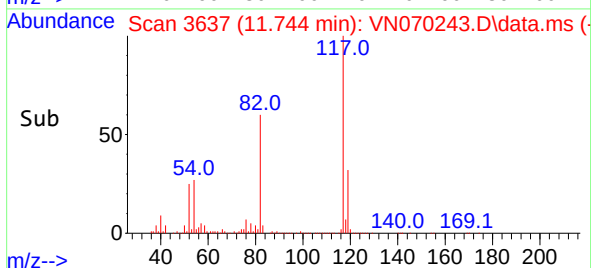
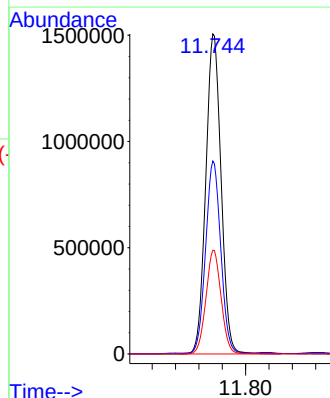
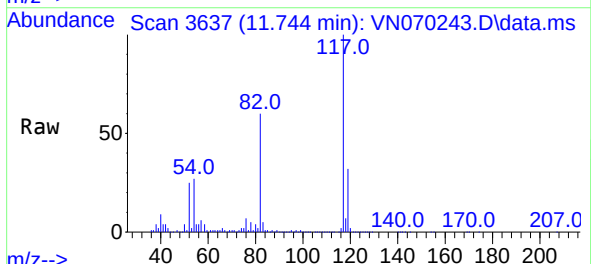
Instrument :
MSVOA_N
ClientSampleId :
DA-13-4.5

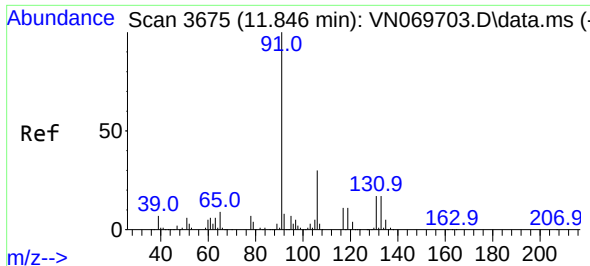
Tgt Ion: 95 Resp: 1528368
Ion Ratio Lower Upper
95 100
174 73.3 0.0 187.2
176 71.2 0.0 181.4



#63
Chlorobenzene-d5
Concen: 50.00 ug/l
RT: 11.744 min Scan# 3637
Delta R.T. -0.002 min
Lab File: VN070243.D
Acq: 20 Dec 2021 16:19

Tgt Ion: 117 Resp: 2737112
Ion Ratio Lower Upper
117 100
82 60.1 42.4 63.6
119 32.4 25.4 38.2

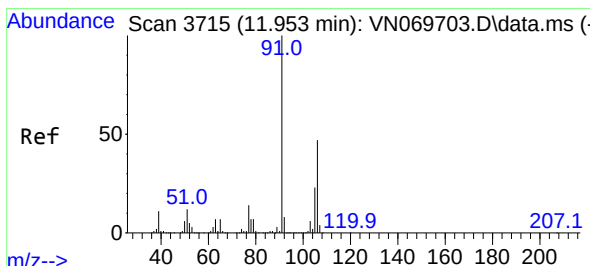
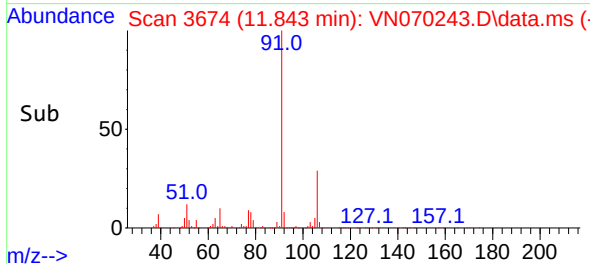
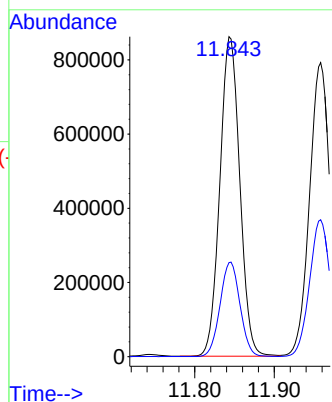
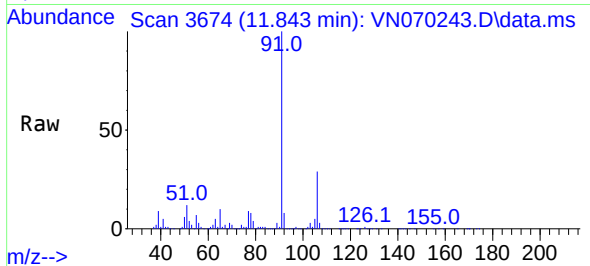




#67
Ethyl Benzene
Concen: 14.88 ug/l
RT: 11.843 min Scan# 30
Delta R.T. -0.003 min
Lab File: VN070243.D
Acq: 20 Dec 2021 16:19

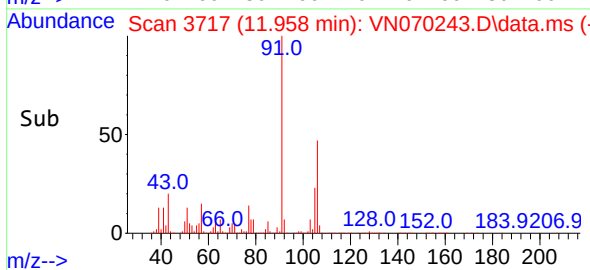
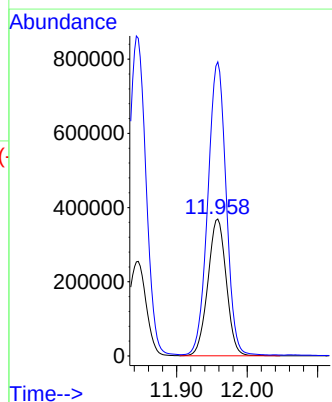
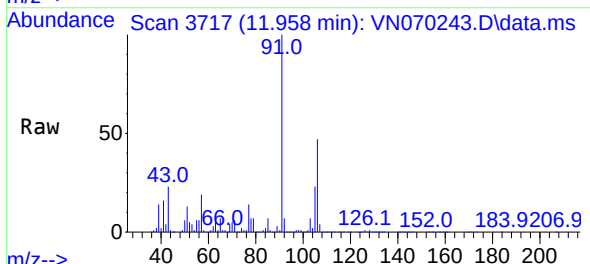
Instrument :
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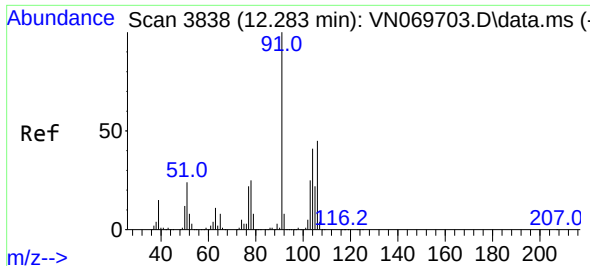
Tgt Ion: 91 Resp: 1500393
Ion Ratio Lower Upper
91 100
106 29.4 25.7 38.5



#68
m/p-Xylenes
Concen: 18.18 ug/l
RT: 11.958 min Scan# 3717
Delta R.T. 0.005 min
Lab File: VN070243.D
Acq: 20 Dec 2021 16:19

Tgt Ion:106 Resp: 667502
Ion Ratio Lower Upper
106 100
91 212.9 160.6 240.8

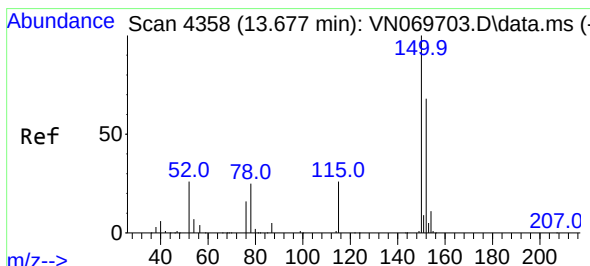
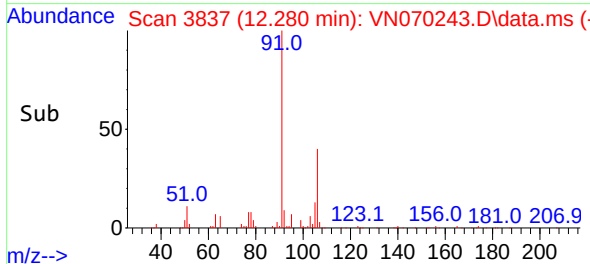
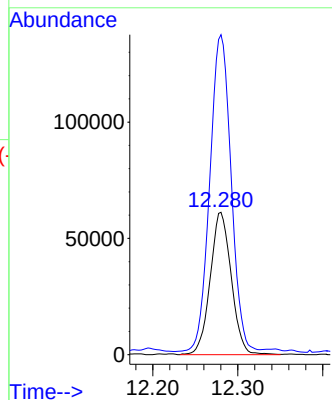
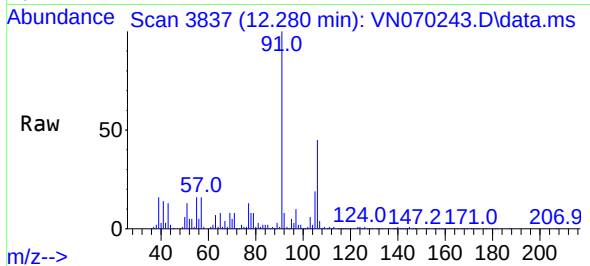




#69
o-Xylene
Concen: 2.85 ug/l
RT: 12.280 min Scan# 3838
Delta R.T. -0.003 min
Lab File: VN070243.D
Acq: 20 Dec 2021 16:19

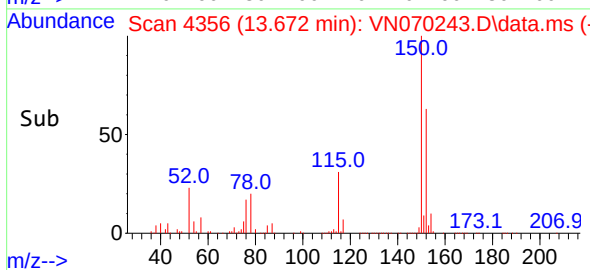
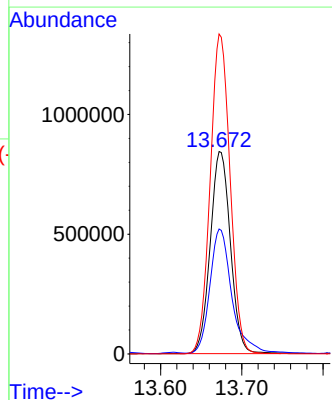
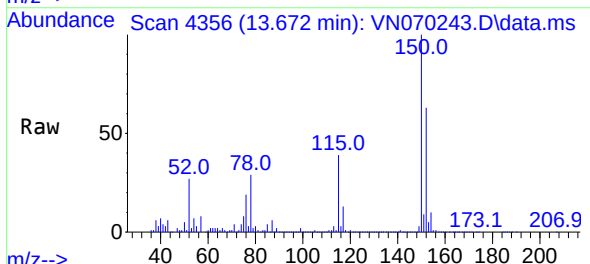
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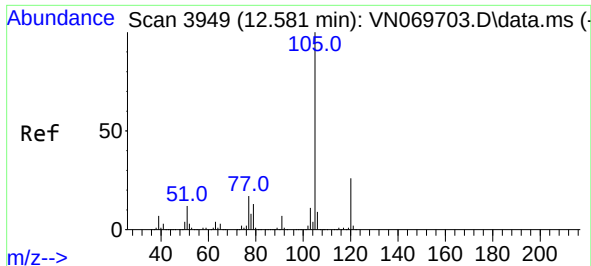
Tgt Ion:106 Resp: 105466
Ion Ratio Lower Upper
106 100
91 224.4 105.8 317.3



#72
1,4-Dichlorobenzene-d4
Concen: 50.00 ug/l
RT: 13.672 min Scan# 4356
Delta R.T. -0.005 min
Lab File: VN070243.D
Acq: 20 Dec 2021 16:19

Tgt Ion:152 Resp: 1458527
Ion Ratio Lower Upper
152 100
115 67.3 27.5 82.5
150 156.0 0.0 344.4

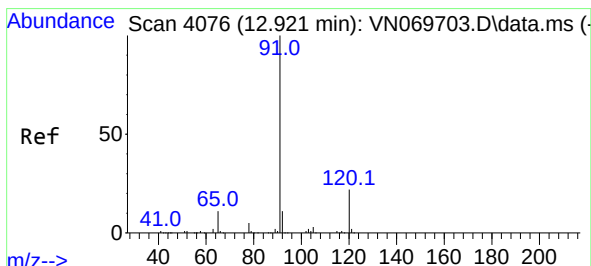
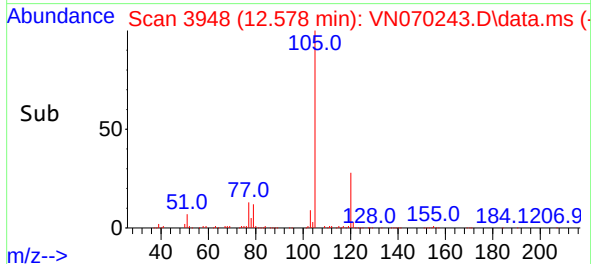
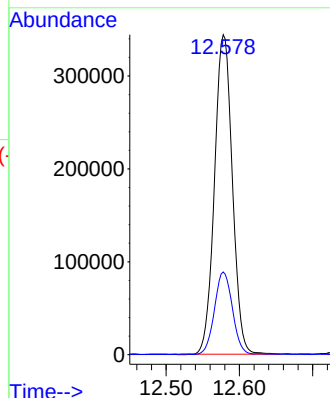
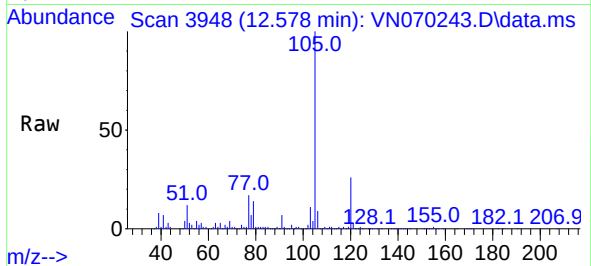




#73
Isopropylbenzene
Concen: 4.49 ug/l
RT: 12.578 min Scan# 3948
Delta R.T. -0.003 min
Lab File: VN070243.D
Acq: 20 Dec 2021 16:19

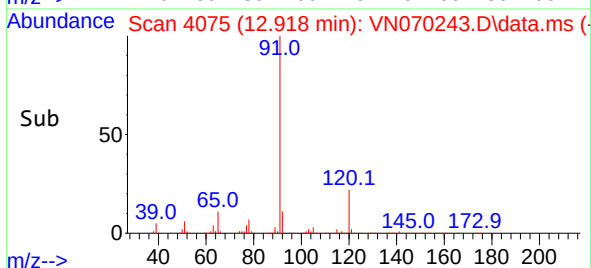
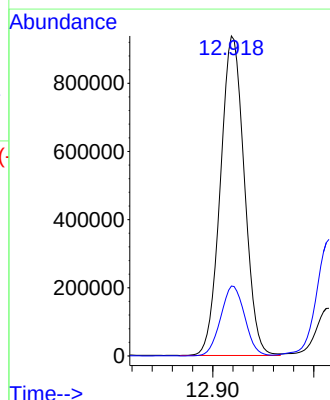
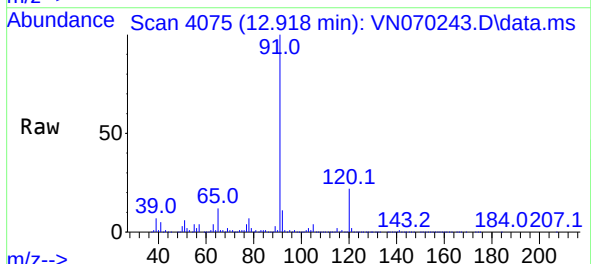
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DA-13-4.5

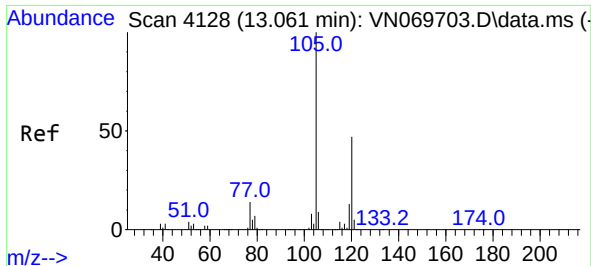
Tgt Ion:105 Resp: 582481
Ion Ratio Lower Upper
105 100
120 26.1 13.4 40.1



#78
n-propylbenzene
Concen: 10.64 ug/l
RT: 12.918 min Scan# 4075
Delta R.T. -0.003 min
Lab File: VN070243.D
Acq: 20 Dec 2021 16:19

Tgt Ion: 91 Resp: 1536122
Ion Ratio Lower Upper
91 100
120 22.0 11.9 35.9

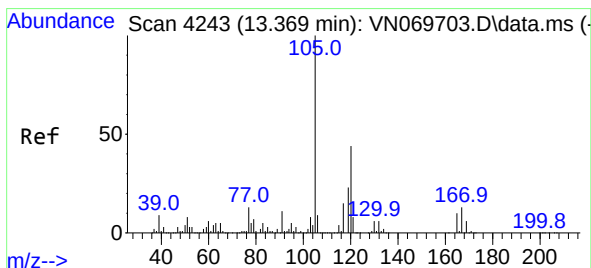
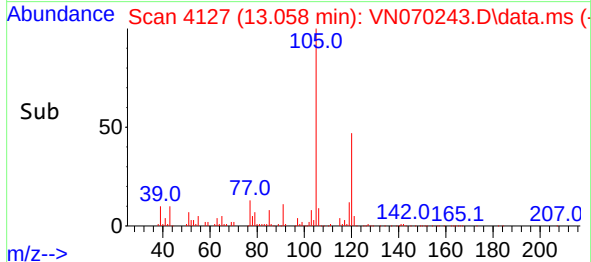
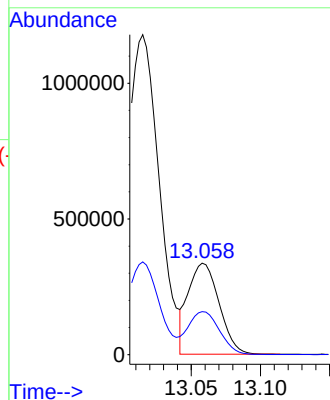
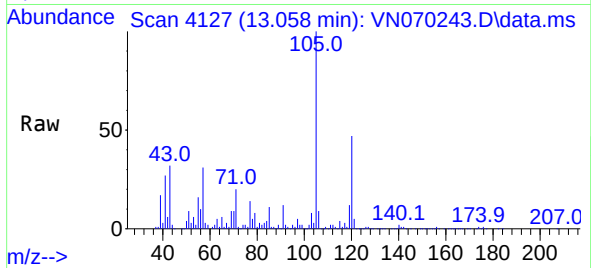




#80
1,3,5-Trimethylbenzene
Concen: 4.99 ug/l
RT: 13.058 min Scan# 4128
Delta R.T. -0.003 min
Lab File: VN070243.D
Acq: 20 Dec 2021 16:19

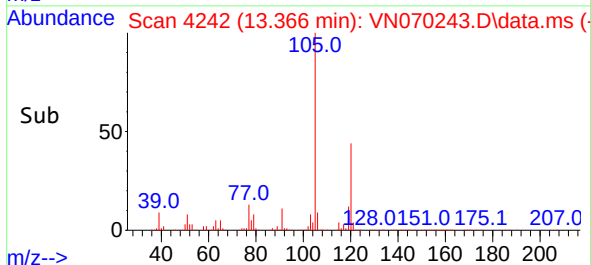
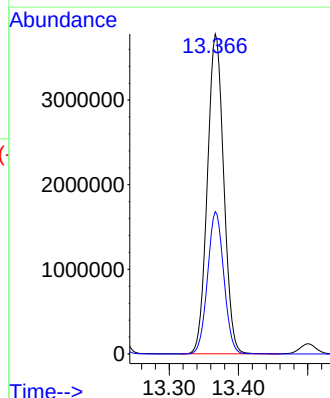
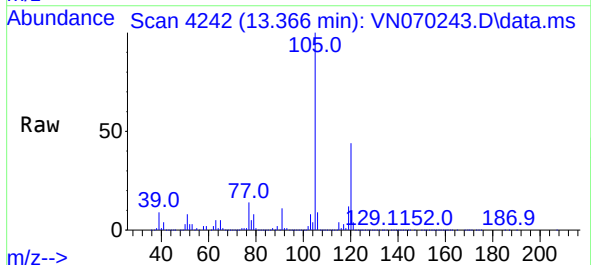
Instrument :
MSVOA_N
ClientSampleId :
DA-13-4.5

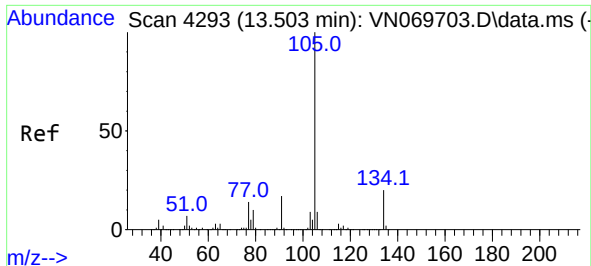
Tgt Ion:105 Resp: 521236
Ion Ratio Lower Upper
105 100
120 49.2 24.6 73.6



#84
1,2,4-Trimethylbenzene
Concen: 62.22 ug/l
RT: 13.366 min Scan# 4242
Delta R.T. -0.003 min
Lab File: VN070243.D
Acq: 20 Dec 2021 16:19

Tgt Ion:105 Resp: 6188765
Ion Ratio Lower Upper
105 100
120 44.2 22.8 68.4

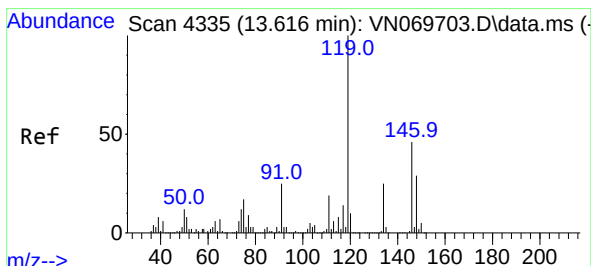
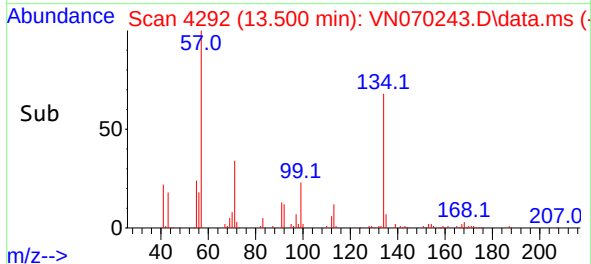
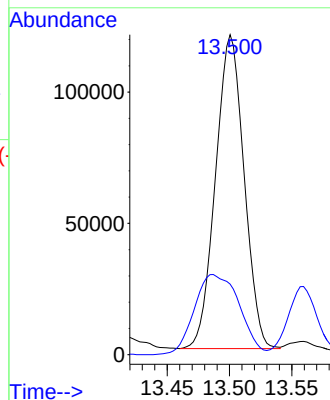
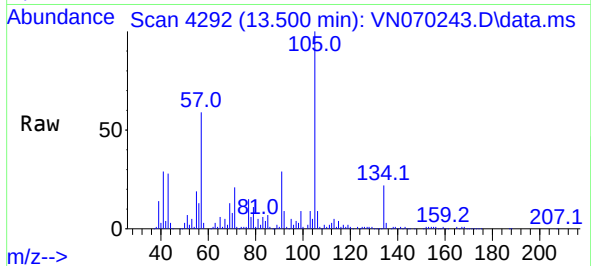




#85
 sec-Butylbenzene
 Concen: 1.52 ug/l
 RT: 13.500 min Scan# 41
 Delta R.T. -0.003 min
 Lab File: VN070243.D
 Acq: 20 Dec 2021 16:19

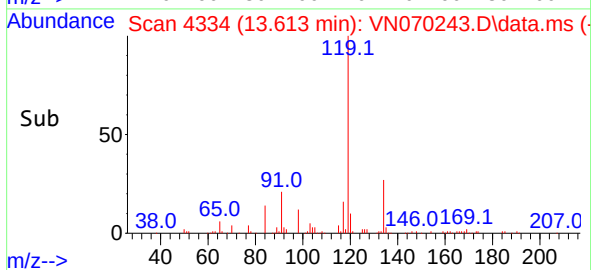
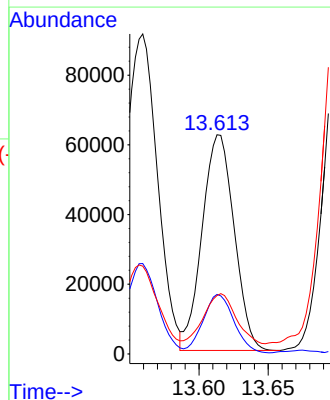
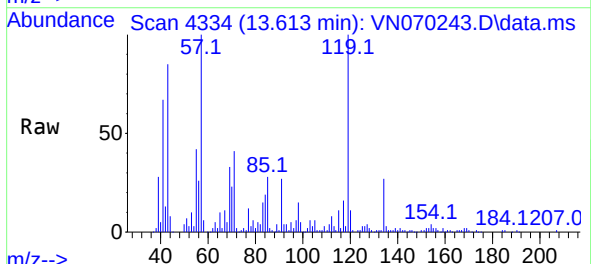
Instrument :
 MSVOA_N
 ClientSampleId :
 DA-13-4.5

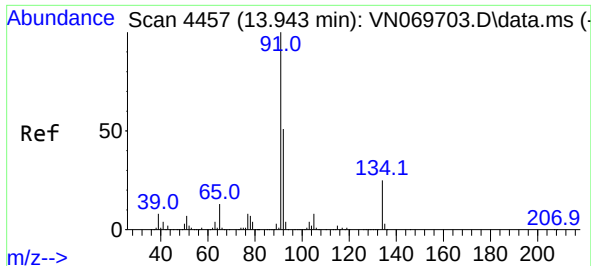
Tgt Ion:105 Resp: 190371
 Ion Ratio Lower Upper
 105 100
 134 40.2 10.4 31.1#



#86
 p-Isopropyltoluene
 Concen: 1.02 ug/l
 RT: 13.613 min Scan# 4334
 Delta R.T. -0.003 min
 Lab File: VN070243.D
 Acq: 20 Dec 2021 16:19

Tgt Ion:119 Resp: 99757
 Ion Ratio Lower Upper
 119 100
 134 26.0 13.6 40.7
 91 22.8 11.4 34.1

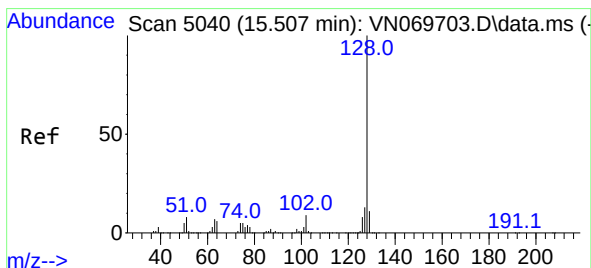
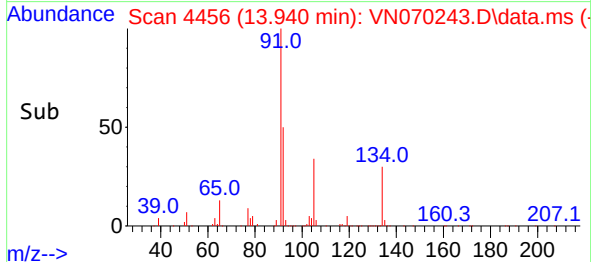
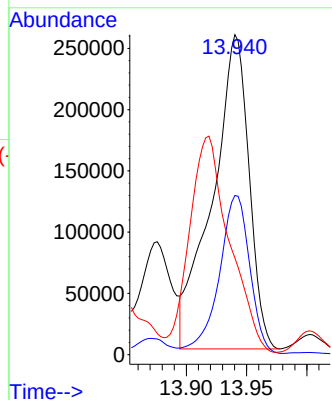
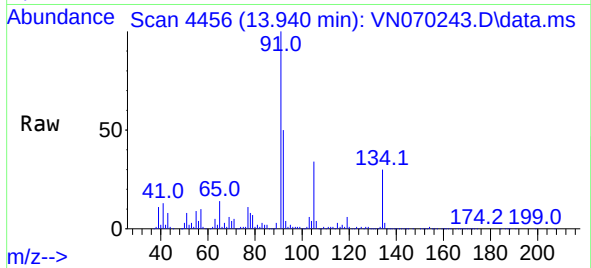




#89
n-Butylbenzene
Concen: 6.81 ug/l
RT: 13.940 min Scan# 4457
Delta R.T. -0.003 min
Lab File: VN070243.D
Acq: 20 Dec 2021 16:19

Instrument :
MSVOA_N
ClientSampleId :
DA-13-4.5

Tgt Ion: 91 Resp: 541696
Ion Ratio Lower Upper
91 100
92 42.3 25.4 76.0
134 0.0 13.6 40.8#



#95
Naphthalene
Concen: 25.00 ug/l
RT: 15.504 min Scan# 5039
Delta R.T. -0.003 min
Lab File: VN070243.D
Acq: 20 Dec 2021 16:19

Tgt Ion:128 Resp: 1627530
Ion Ratio Lower Upper
128 100
127 13.1 10.5 15.7
129 10.7 8.7 13.1

