

Data Path : Z:\voasrv\HPCHEM1\MSVOA_N\Data\VN090122\
 Data File : VN074250.D
 Acq On : 01 Sep 2022 18:22
 Operator : JC\MD
 Sample : N4329-06
 Misc : 5.0mL/MSVOA_N/WATER
 ALS Vial : 23 Sample Multiplier: 1

Instrument :
 MSVOA_N
 ClientSampleId :
 LB-3R

Quant Time: Sep 02 05:40:27 2022
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA_N\methods\82N083022W.M
 Quant Title : SW846 8260
 QLast Update : Wed Aug 31 07:02:40 2022
 Response via : Initial Calibration

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

Internal Standards						
1) Pentafluorobenzene	8.022	168	280859	50.000	ug/l	0.00
34) 1,4-Difluorobenzene	8.904	114	522635	50.000	ug/l	0.00
63) Chlorobenzene-d5	11.686	117	503848	50.000	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.615	152	189370	50.000	ug/l	0.00

System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	8.375	65	213512	49.006	ug/l	0.00
Spiked Amount	50.000	Range	74 - 125	Recovery	=	98.020%
35) Dibromofluoromethane	7.951	113	172354	50.679	ug/l	0.00
Spiked Amount	50.000	Range	75 - 124	Recovery	=	101.360%
50) Toluene-d8	10.380	98	647284	48.329	ug/l	0.00
Spiked Amount	50.000	Range	86 - 113	Recovery	=	96.660%
62) 4-Bromofluorobenzene	12.668	95	257549	63.234	ug/l	0.00
Spiked Amount	50.000	Range	83 - 123	Recovery	=	126.460%#

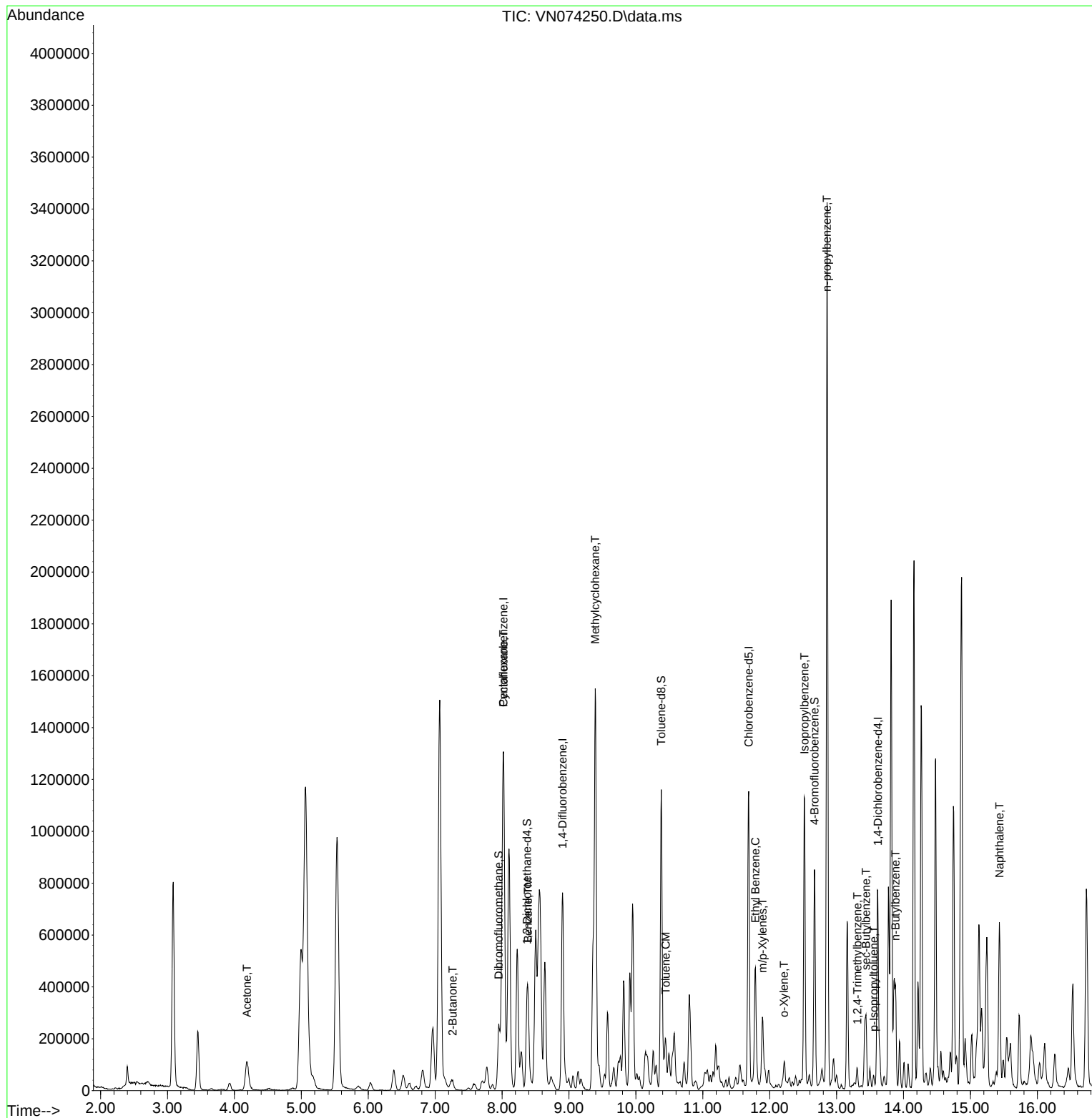
Target Compounds					Qvalue	
16) Acetone	4.187	43	92988	31.941	ug/l	# 46
25) 2-Butanone	7.263	43	31036	6.664	ug/l	# 81
31) Cyclohexane	8.022	56	554787	77.069	ug/l	# 82
39) Methylcyclohexane	9.392	83	632851	97.698	ug/l	92
40) Benzene	8.386	78	227076	13.106	ug/l	99
52) Toluene	10.445	92	72577	7.107	ug/l	99
67) Ethyl Benzene	11.786	91	253443	12.456	ug/l	98
68) m/p-Xylenes	11.892	106	78279	10.356	ug/l	98
69) o-Xylene	12.215	106	23877	3.170	ug/l	92
73) Isopropylbenzene	12.521	105	726312	44.785	ug/l	97
78) n-propylbenzene	12.857	91	2446436	132.339	ug/l	94
84) 1,2,4-Trimethylbenzene	13.310	105	41221	3.238	ug/l	99
85) sec-Butylbenzene	13.439	105	160547	10.144	ug/l	# 71
86) p-Isopropyltoluene	13.557	119	25760	2.092	ug/l	96
89) n-Butylbenzene	13.880	91	230147	21.458	ug/l	# 75
95) Naphthalene	15.433	128	530567	37.224	ug/l	99

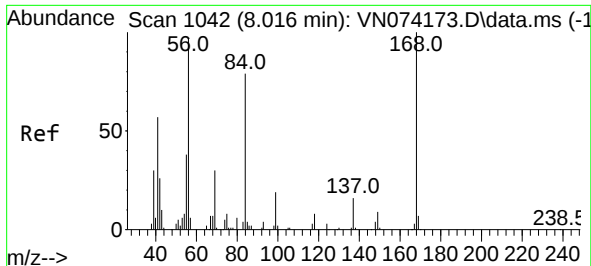
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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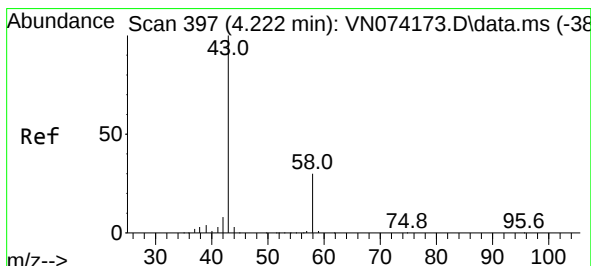
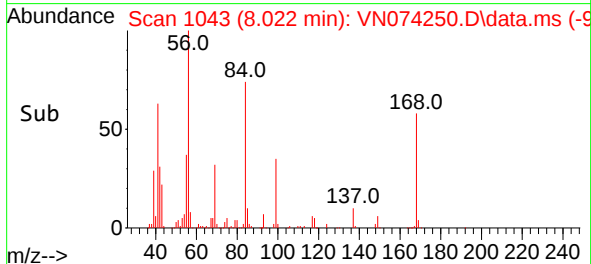
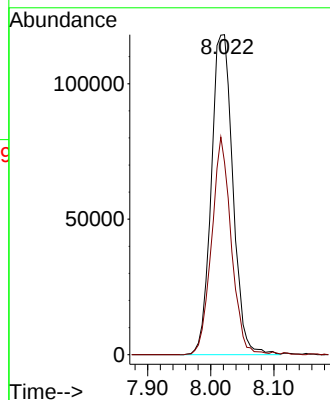
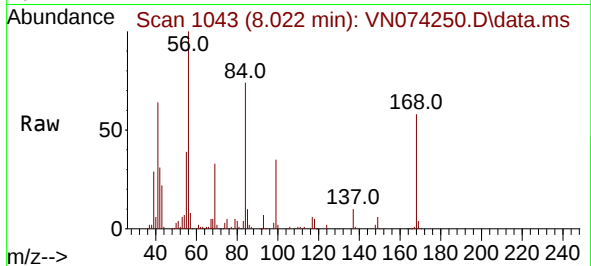




#1
Pentafluorobenzene
Concen: 50.000 ug/l
RT: 8.022 min Scan# 1043
Delta R.T. 0.006 min
Lab File: VN074250.D
Acq: 01 Sep 2022 18:22

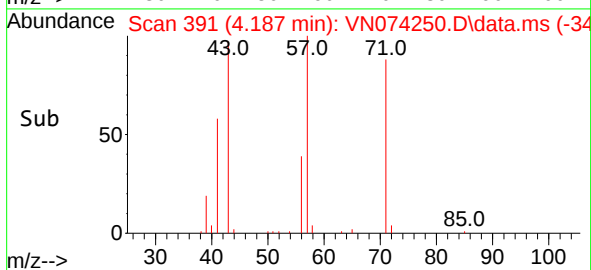
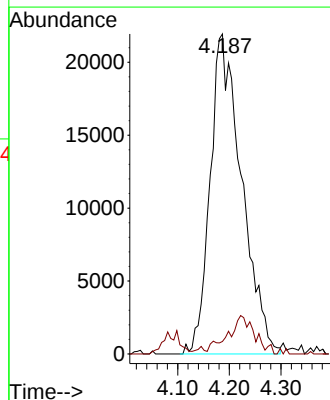
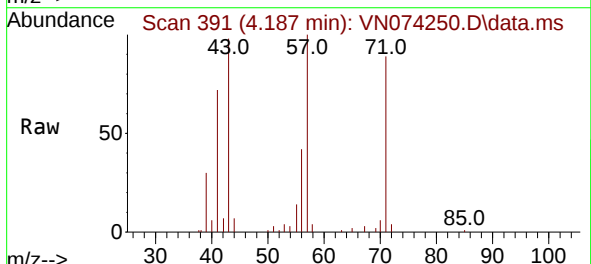
Instrument :
MSVOA_N
ClientSampleId :
LB-3R

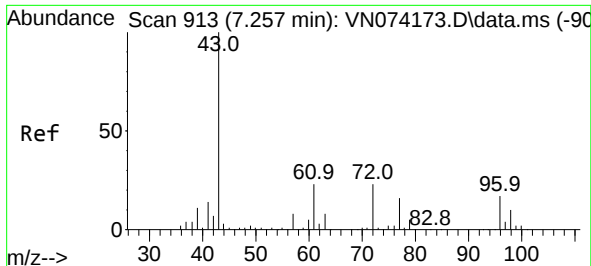
Tgt Ion:168 Resp: 280859
Ion Ratio Lower Upper
168 100
99 60.1 42.3 63.5



#16
Acetone
Concen: 31.941 ug/l
RT: 4.187 min Scan# 391
Delta R.T. -0.035 min
Lab File: VN074250.D
Acq: 01 Sep 2022 18:22

Tgt Ion: 43 Resp: 92988
Ion Ratio Lower Upper
43 100
58 2.2 26.0 39.0#





#25

2-Butanone

Concen: 6.664 ug/l

RT: 7.263 min Scan# 913

Delta R.T. 0.006 min

Lab File: VN074250.D

Acq: 01 Sep 2022 18:22

Instrument :

MSVOA_N

ClientSampleId :

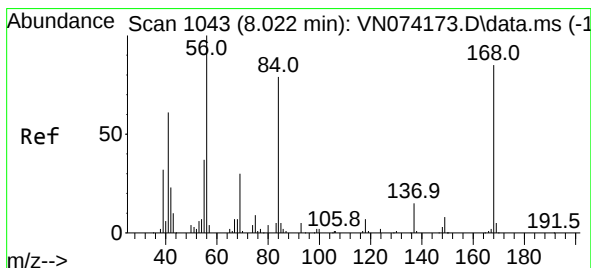
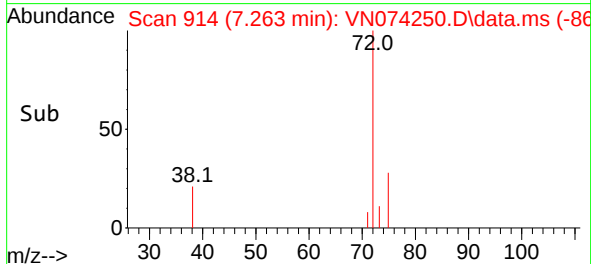
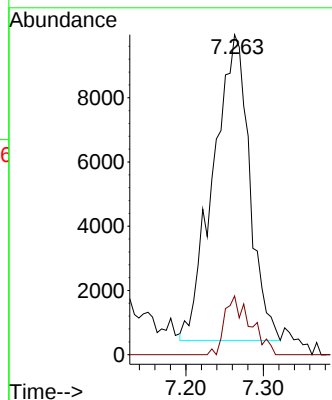
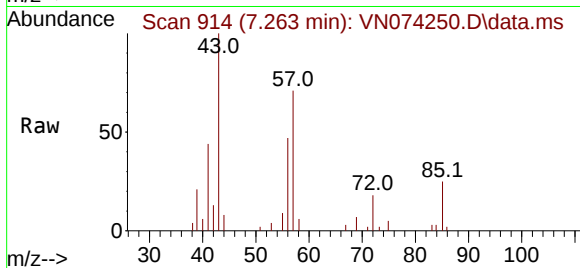
LB-3R

Tgt Ion: 43 Resp: 31036

Ion Ratio Lower Upper

43 100

72 19.2 23.7 35.5#



#31

Cyclohexane

Concen: 77.069 ug/l

RT: 8.022 min Scan# 1043

Delta R.T. -0.000 min

Lab File: VN074250.D

Acq: 01 Sep 2022 18:22

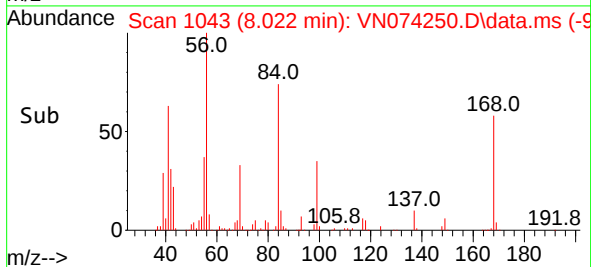
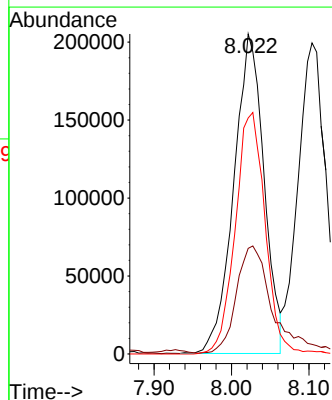
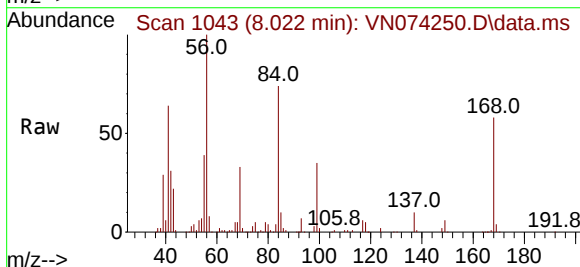
Tgt Ion: 56 Resp: 554787

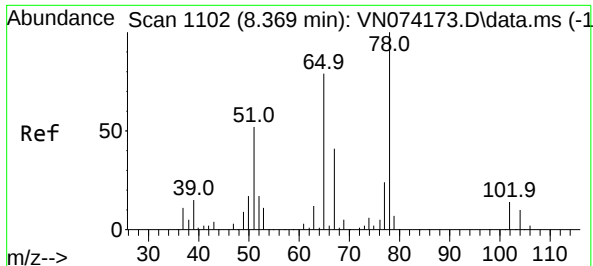
Ion Ratio Lower Upper

56 100

69 32.0 27.8 41.8

84 73.9 76.9 115.3#





#33

1,2-Dichloroethane-d4

Concen: 49.006 ug/l

RT: 8.375 min Scan# 1103

Delta R.T. 0.006 min

Lab File: VN074250.D

Acq: 01 Sep 2022 18:22

Instrument :

MSVOA_N

ClientSampleId :

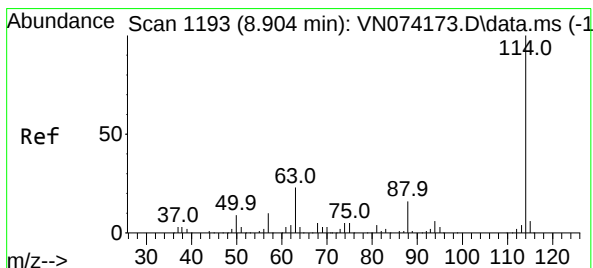
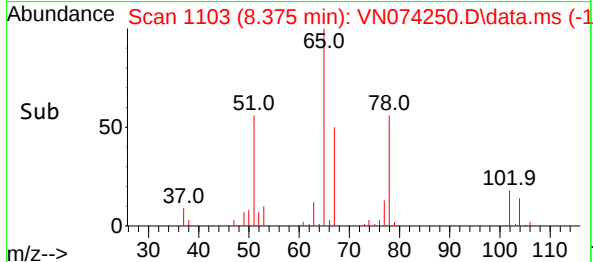
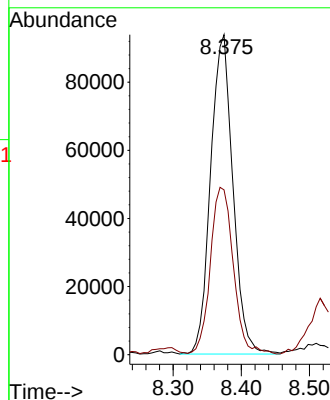
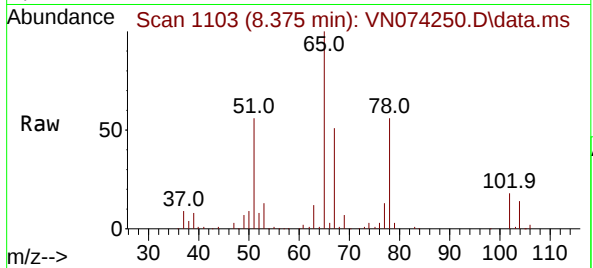
LB-3R

Tgt Ion: 65 Resp: 213512

Ion Ratio Lower Upper

65 100

67 53.5 0.0 104.8



#34

1,4-Difluorobenzene

Concen: 50.000 ug/l

RT: 8.904 min Scan# 1193

Delta R.T. -0.000 min

Lab File: VN074250.D

Acq: 01 Sep 2022 18:22

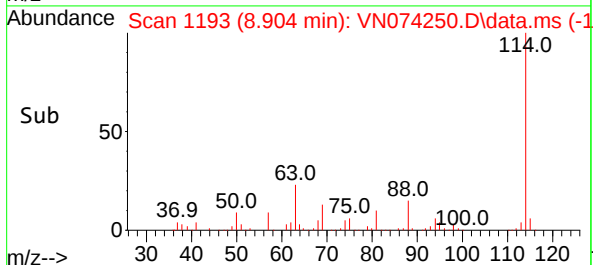
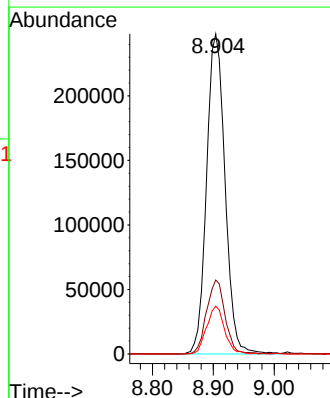
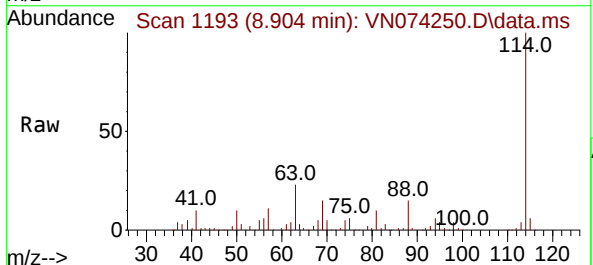
Tgt Ion: 114 Resp: 522635

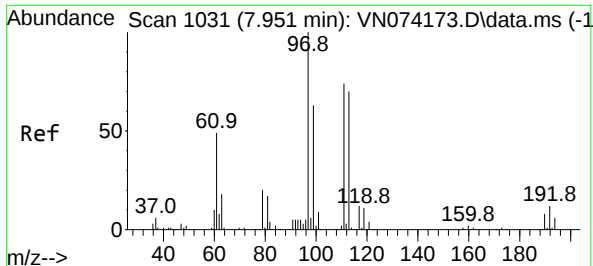
Ion Ratio Lower Upper

114 100

63 23.1 0.0 40.0

88 15.0 0.0 32.6





#35

Dibromofluoromethane

Concen: 50.679 ug/l

RT: 7.951 min Scan# 1031

Delta R.T. -0.000 min

Lab File: VN074250.D

Acq: 01 Sep 2022 18:22

Instrument :

MSVOA_N

ClientSampleId :

LB-3R

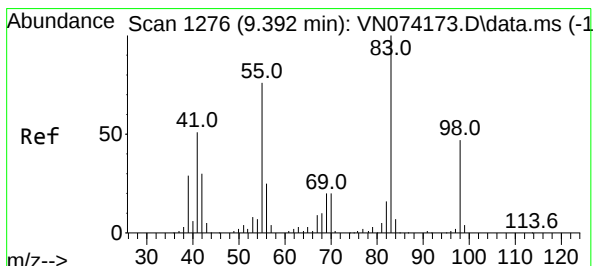
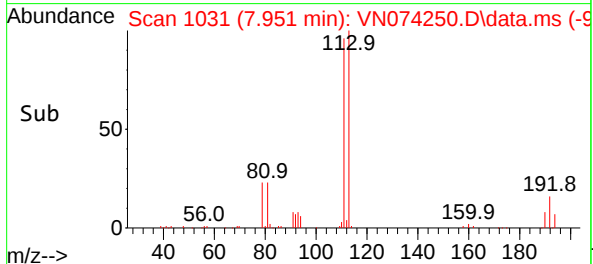
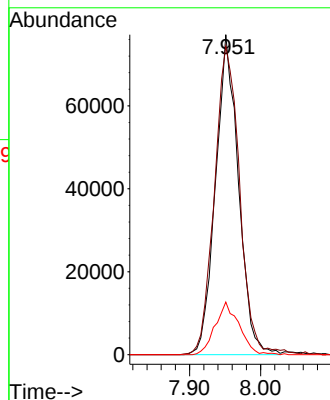
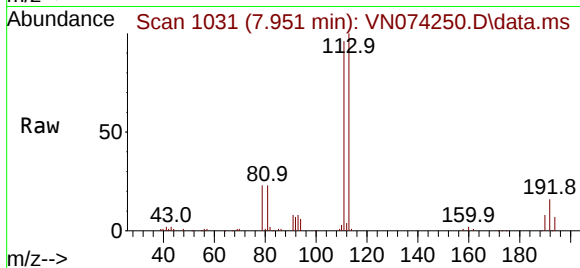
Tgt Ion:113 Resp: 172354

Ion Ratio Lower Upper

113 100

111 106.1 81.4 122.0

192 17.3 17.0 25.6



#39

Methylcyclohexane

Concen: 97.698 ug/l

RT: 9.392 min Scan# 1276

Delta R.T. -0.000 min

Lab File: VN074250.D

Acq: 01 Sep 2022 18:22

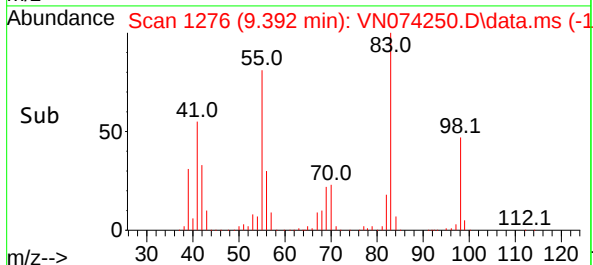
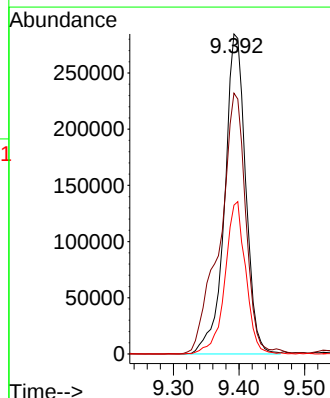
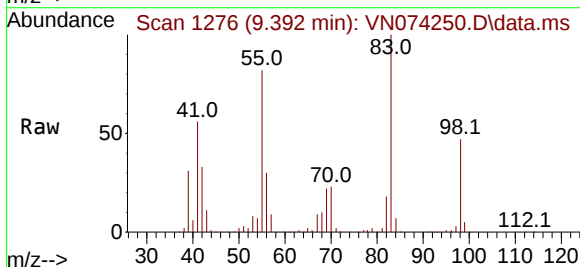
Tgt Ion: 83 Resp: 632851

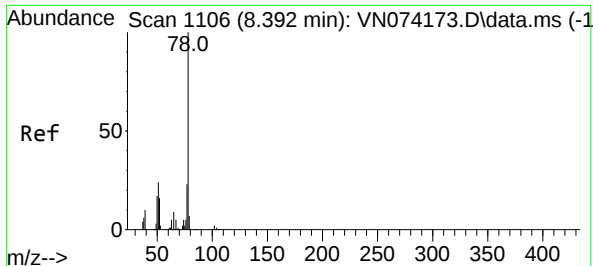
Ion Ratio Lower Upper

83 100

55 81.5 57.8 86.8

98 46.5 39.4 59.2

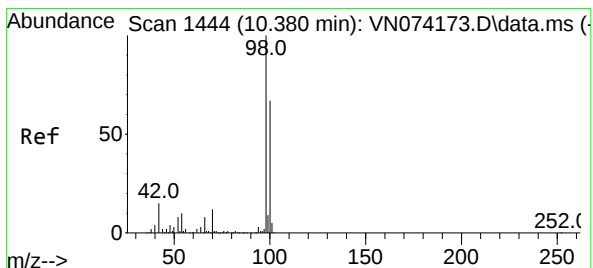
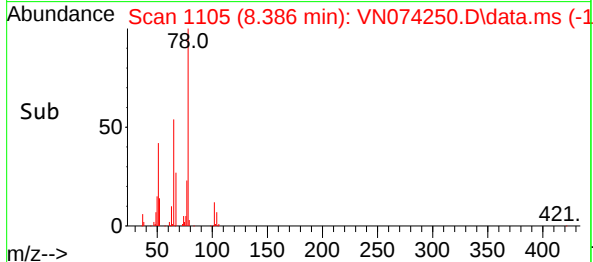
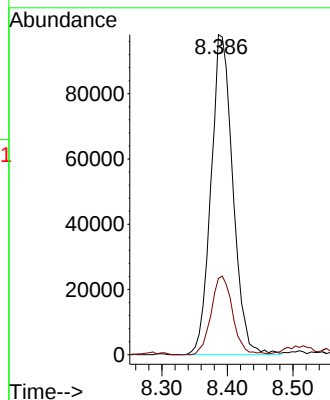
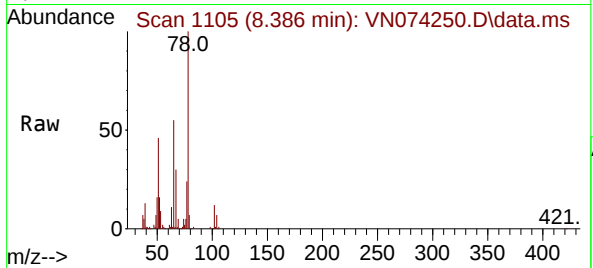




#40
Benzene
Concen: 13.106 ug/l
RT: 8.386 min Scan# 1106
Delta R.T. -0.006 min
Lab File: VN074250.D
Acq: 01 Sep 2022 18:22

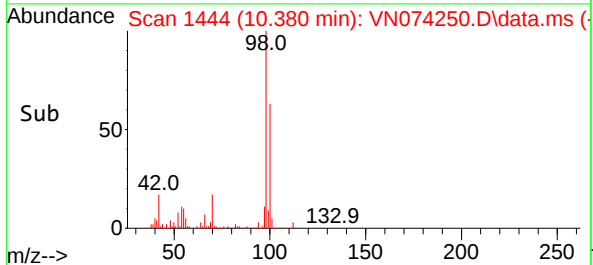
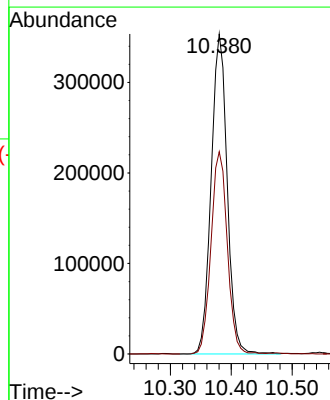
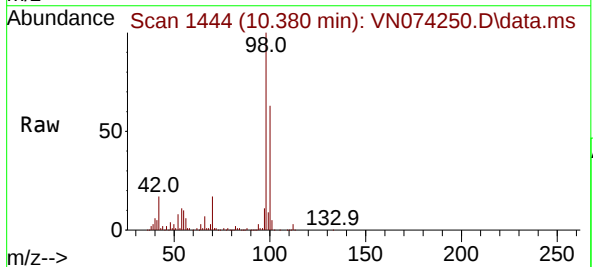
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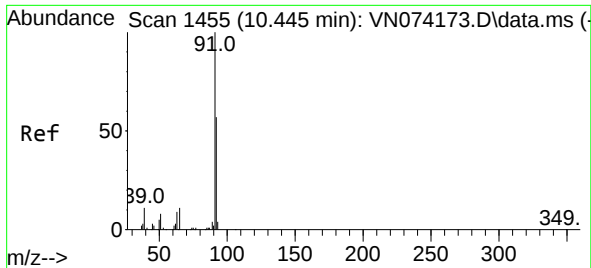
Tgt Ion: 78 Resp: 227076
Ion Ratio Lower Upper
78 100
77 23.9 19.4 29.0



#50
Toluene-d8
Concen: 48.329 ug/l
RT: 10.380 min Scan# 1444
Delta R.T. -0.000 min
Lab File: VN074250.D
Acq: 01 Sep 2022 18:22

Tgt Ion: 98 Resp: 647284
Ion Ratio Lower Upper
98 100
100 64.3 52.6 78.8

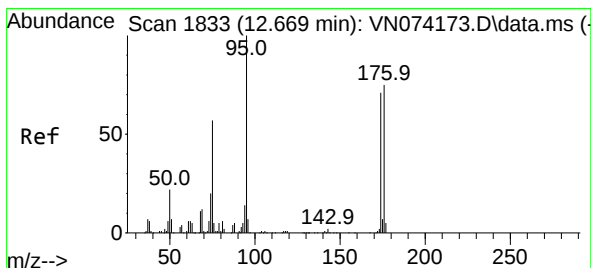
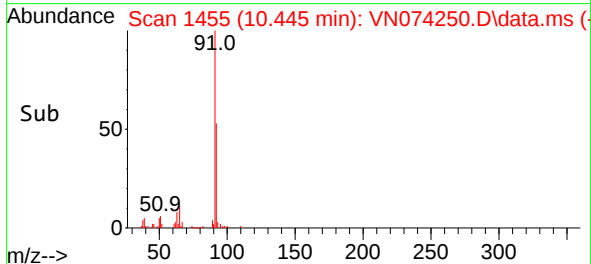
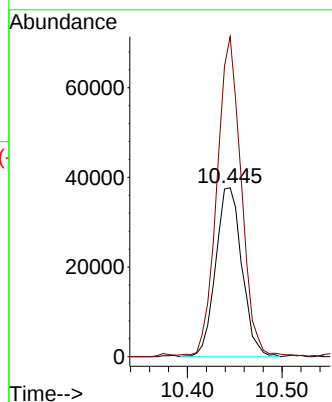
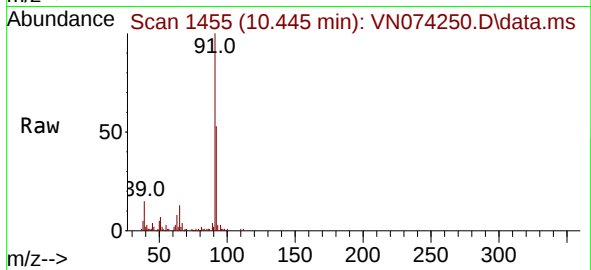




#52
Toluene
Concen: 7.107 ug/l
RT: 10.445 min Scan# 1455
Delta R.T. -0.000 min
Lab File: VN074250.D
Acq: 01 Sep 2022 18:22

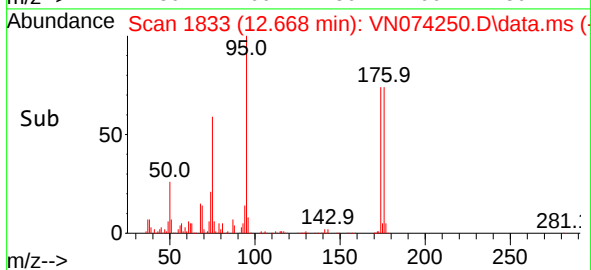
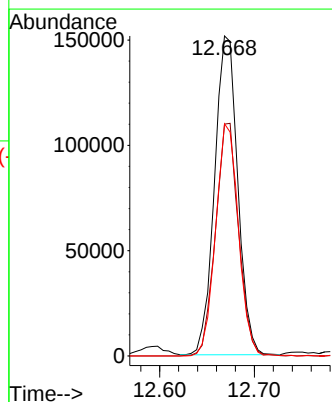
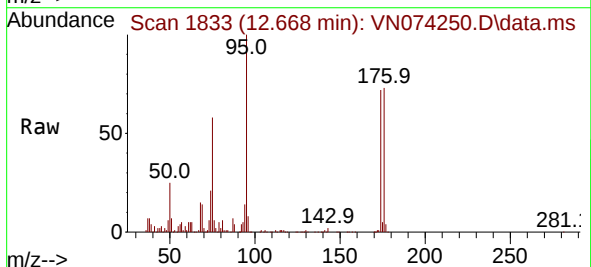
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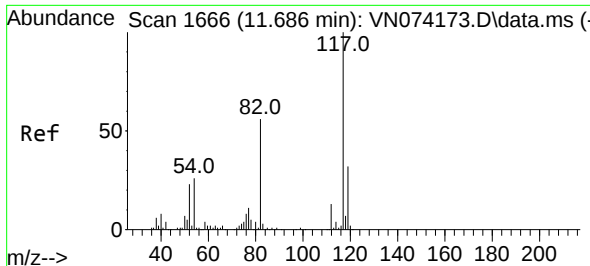
Tgt Ion: 92 Resp: 72577
Ion Ratio Lower Upper
92 100
91 174.6 138.6 207.8



#62
4-Bromofluorobenzene
Concen: 63.234 ug/l
RT: 12.668 min Scan# 1833
Delta R.T. -0.000 min
Lab File: VN074250.D
Acq: 01 Sep 2022 18:22

Tgt Ion: 95 Resp: 257549
Ion Ratio Lower Upper
95 100
174 72.6 0.0 167.6
176 71.6 0.0 163.4

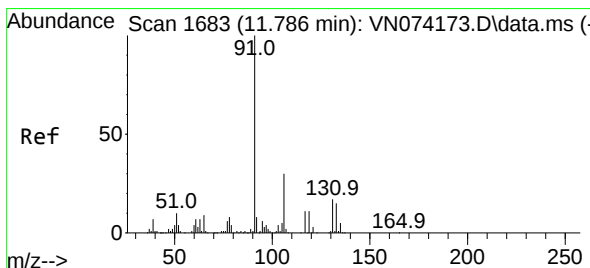
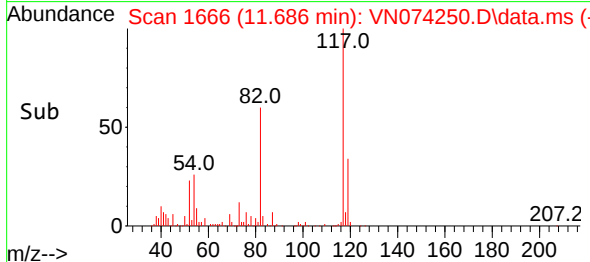
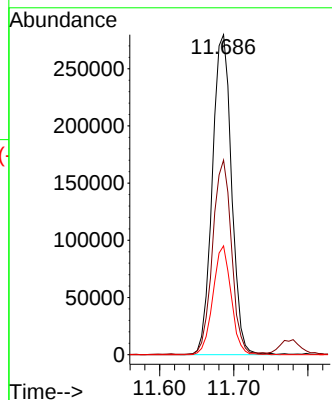
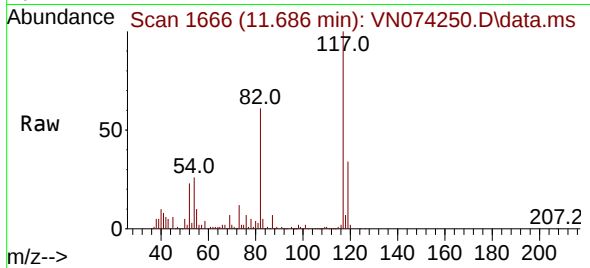




#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 11.686 min Scan# 1666
Delta R.T. -0.000 min
Lab File: VN074250.D
Acq: 01 Sep 2022 18:22

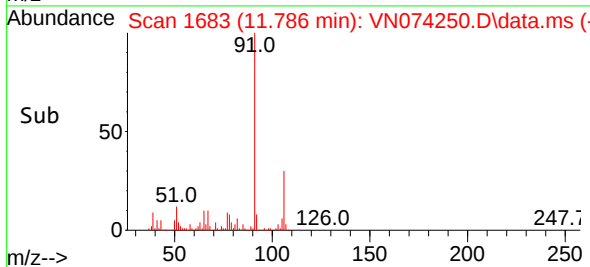
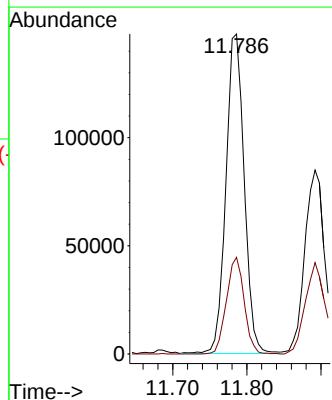
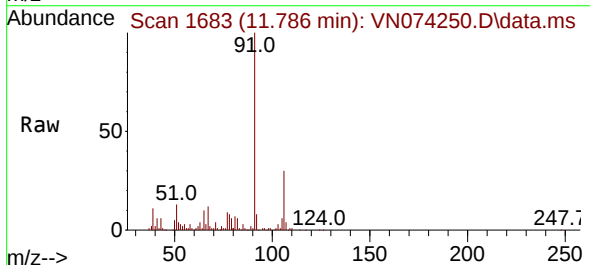
Instrument :
MSVOA_N
ClientSampleId :
LB-3R

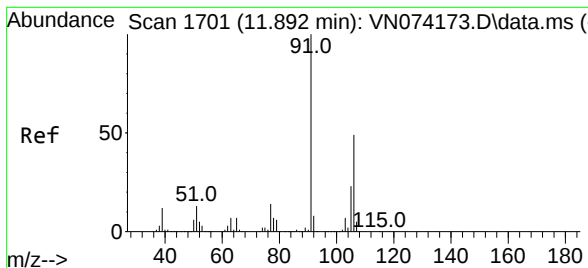
Tgt Ion:117 Resp: 503848
Ion Ratio Lower Upper
117 100
82 60.7 44.2 66.2
119 34.0 25.4 38.0



#67
Ethyl Benzene
Concen: 12.456 ug/l
RT: 11.786 min Scan# 1683
Delta R.T. -0.000 min
Lab File: VN074250.D
Acq: 01 Sep 2022 18:22

Tgt Ion: 91 Resp: 253443
Ion Ratio Lower Upper
91 100
106 30.2 24.9 37.3

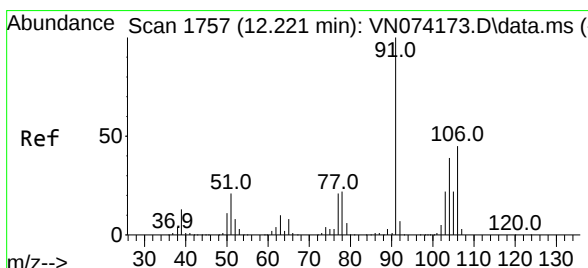
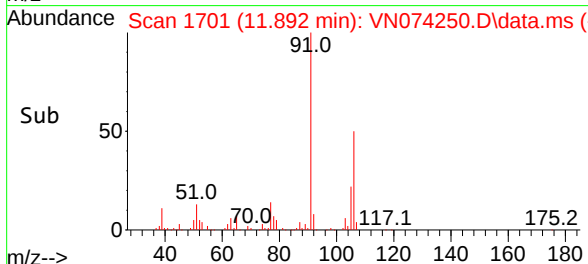
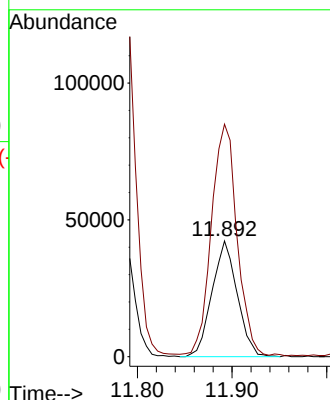
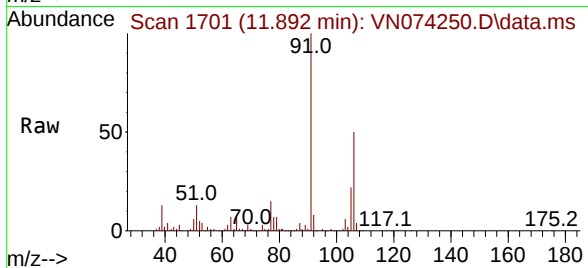




#68
m/p-Xylenes
Concen: 10.356 ug/l
RT: 11.892 min Scan# 1701
Delta R.T. -0.000 min
Lab File: VN074250.D
Acq: 01 Sep 2022 18:22

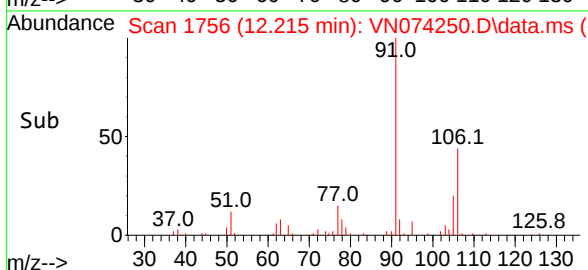
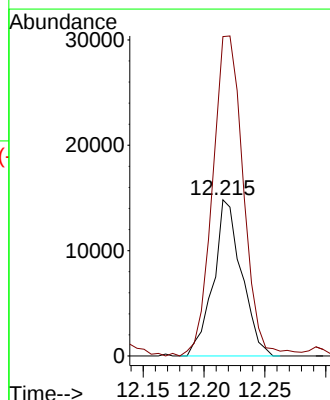
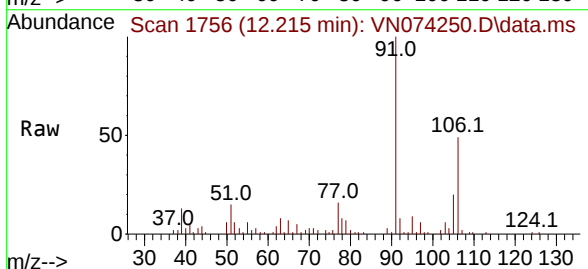
Instrument :
MSVOA_N
ClientSampleId :
LB-3R

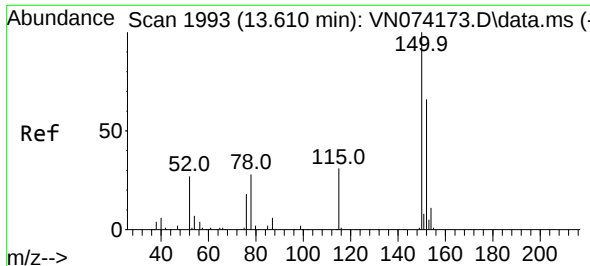
Tgt Ion:106 Resp: 78279
Ion Ratio Lower Upper
106 100
91 202.1 158.9 238.3



#69
o-Xylene
Concen: 3.170 ug/l
RT: 12.215 min Scan# 1756
Delta R.T. -0.006 min
Lab File: VN074250.D
Acq: 01 Sep 2022 18:22

Tgt Ion:106 Resp: 23877
Ion Ratio Lower Upper
106 100
91 224.1 106.0 318.0

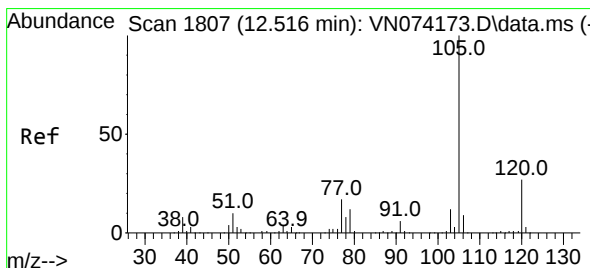
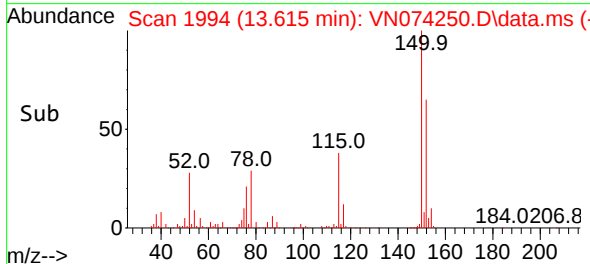
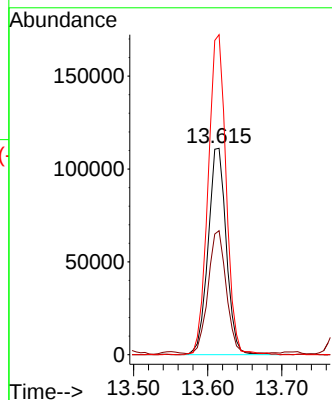
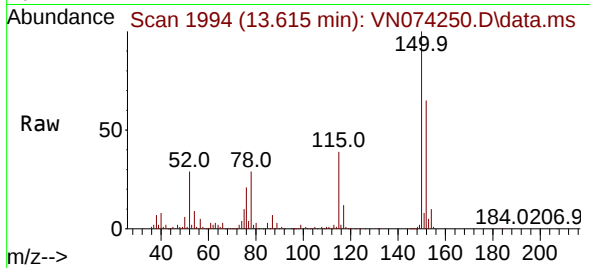




#72
1,4-Dichlorobenzene-d4
Concen: 50.000 ug/l
RT: 13.615 min Scan# 1993
Delta R.T. 0.005 min
Lab File: VN074250.D
Acq: 01 Sep 2022 18:22

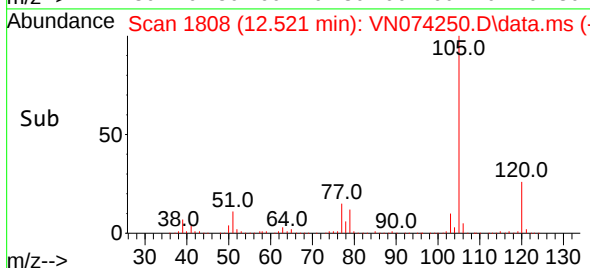
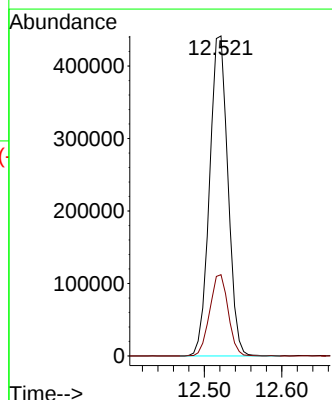
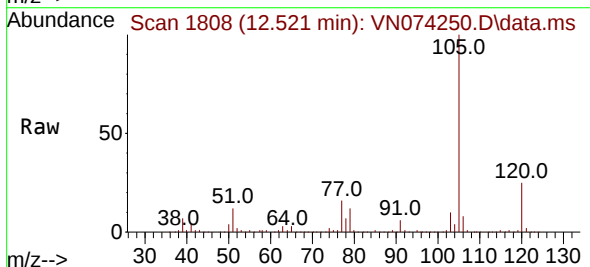
Instrument :
MSVOA_N
ClientSampleId :
LB-3R

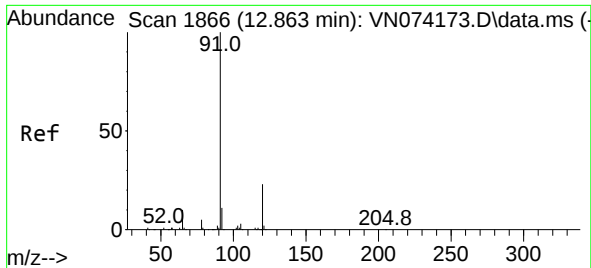
Tgt Ion:152 Resp: 189370
Ion Ratio Lower Upper
152 100
115 59.7 28.9 86.7
150 153.5 0.0 356.2



#73
Isopropylbenzene
Concen: 44.785 ug/l
RT: 12.521 min Scan# 1808
Delta R.T. 0.006 min
Lab File: VN074250.D
Acq: 01 Sep 2022 18:22

Tgt Ion:105 Resp: 726312
Ion Ratio Lower Upper
105 100
120 25.6 13.5 40.4

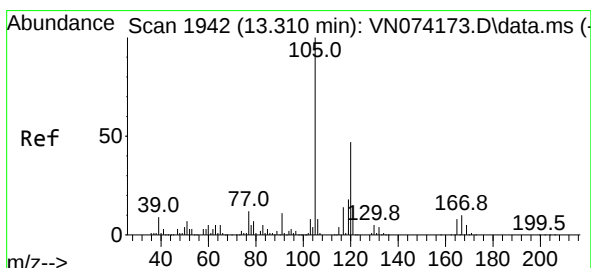
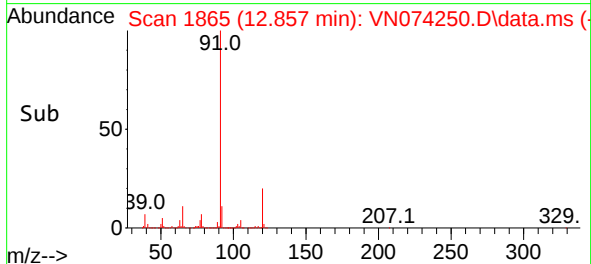
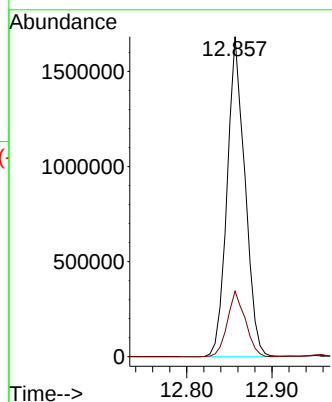
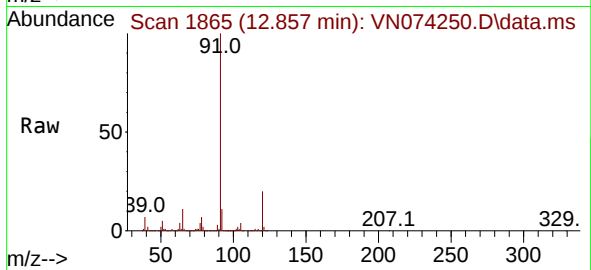




#78
n-propylbenzene
Concen: 132.339 ug/l
RT: 12.857 min Scan# 1865
Delta R.T. -0.006 min
Lab File: VN074250.D
Acq: 01 Sep 2022 18:22

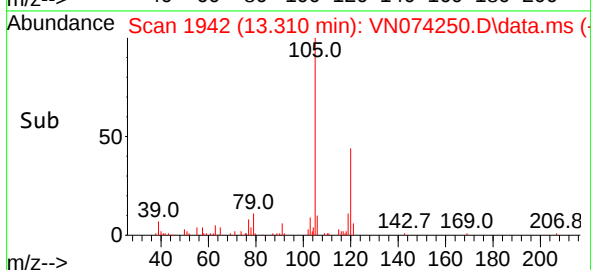
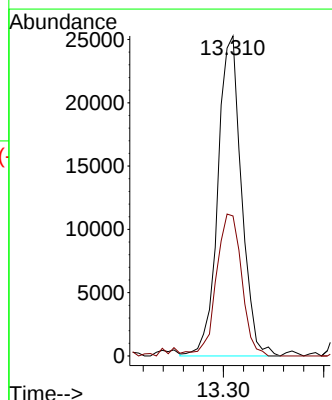
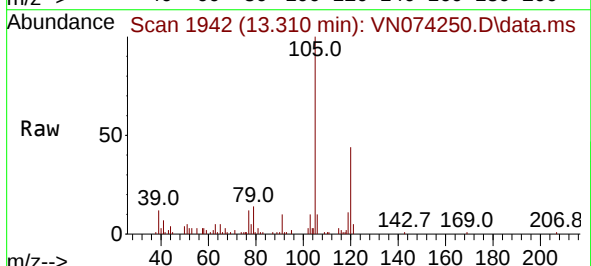
Instrument :
MSVOA_N
ClientSampleId :
LB-3R

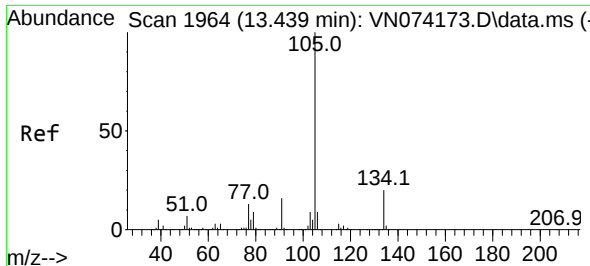
Tgt Ion: 91 Resp: 2446436
Ion Ratio Lower Upper
91 100
120 20.7 11.9 35.5



#84
1,2,4-Trimethylbenzene
Concen: 3.238 ug/l
RT: 13.310 min Scan# 1942
Delta R.T. -0.000 min
Lab File: VN074250.D
Acq: 01 Sep 2022 18:22

Tgt Ion: 105 Resp: 41221
Ion Ratio Lower Upper
105 100
120 47.2 23.3 69.8

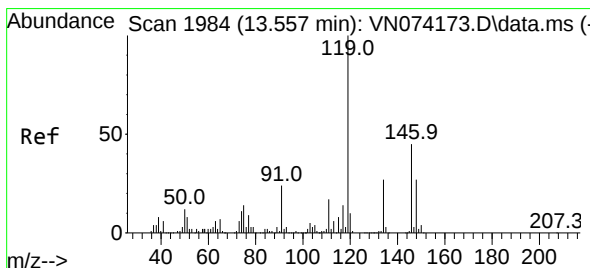
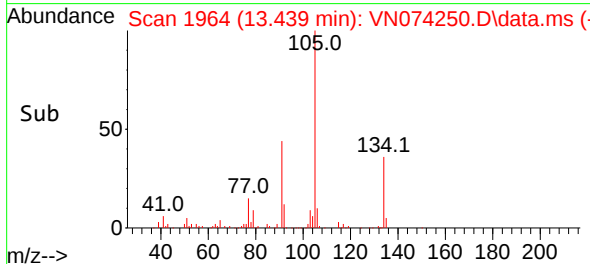
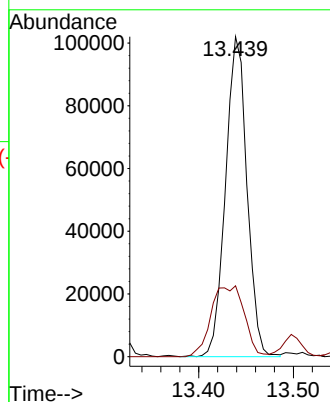
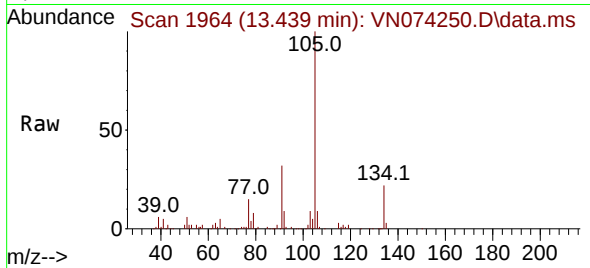




#85
 sec-Butylbenzene
 Concen: 10.144 ug/l
 RT: 13.439 min Scan# 1964
 Delta R.T. -0.000 min
 Lab File: VN074250.D
 Acq: 01 Sep 2022 18:22

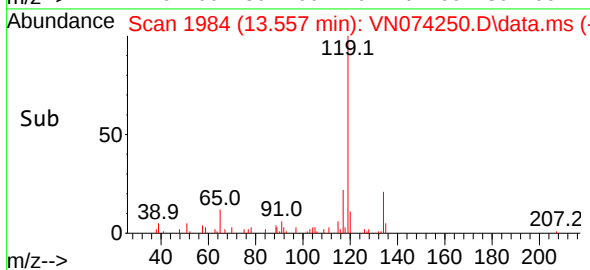
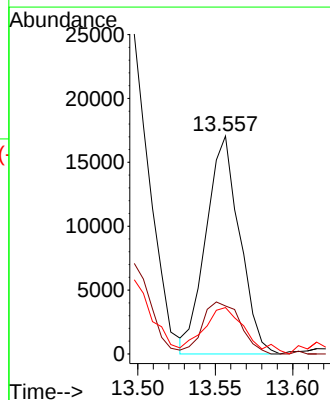
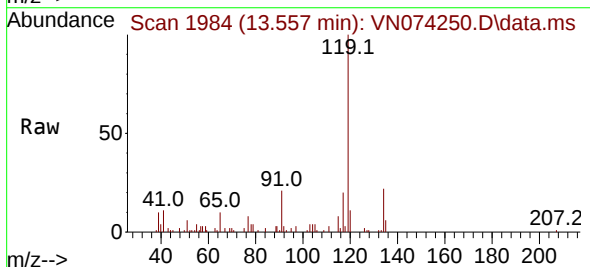
Instrument :
 MSVOA_N
 ClientSampleId :
 LB-3R

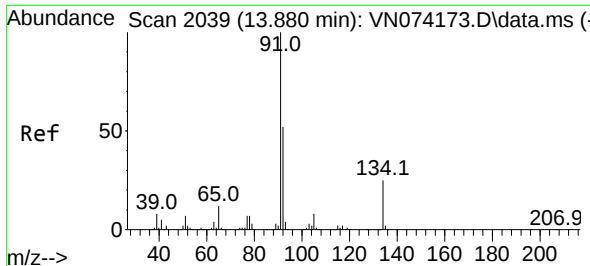
Tgt Ion:105 Resp: 160547
 Ion Ratio Lower Upper
 105 100
 134 34.4 10.4 31.1#



#86
 p-Isopropyltoluene
 Concen: 2.092 ug/l
 RT: 13.557 min Scan# 1984
 Delta R.T. -0.000 min
 Lab File: VN074250.D
 Acq: 01 Sep 2022 18:22

Tgt Ion:119 Resp: 25760
 Ion Ratio Lower Upper
 119 100
 134 26.9 13.3 39.8
 91 26.5 11.3 33.9

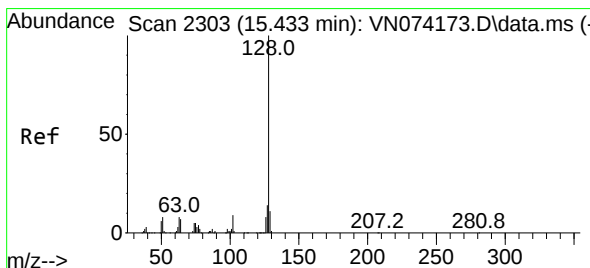
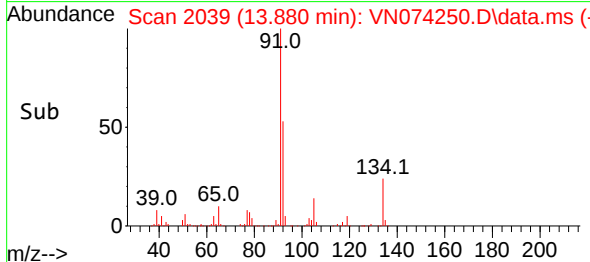
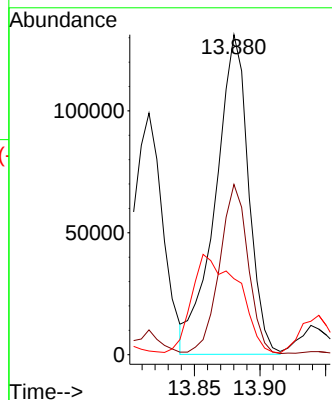
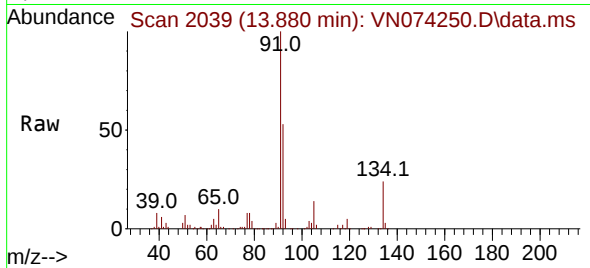




#89
n-Butylbenzene
Concen: 21.458 ug/l
RT: 13.880 min Scan# 2039
Delta R.T. -0.000 min
Lab File: VN074250.D
Acq: 01 Sep 2022 18:22

Instrument :
MSVOA_N
ClientSampleId :
LB-3R

Tgt Ion: 91 Resp: 230147
Ion Ratio Lower Upper
91 100
92 45.5 26.9 80.7
134 0.0 13.6 40.8#



#95
Naphthalene
Concen: 37.224 ug/l
RT: 15.433 min Scan# 2303
Delta R.T. -0.000 min
Lab File: VN074250.D
Acq: 01 Sep 2022 18:22

Tgt Ion:128 Resp: 530567
Ion Ratio Lower Upper
128 100
127 13.1 10.3 15.5
129 10.6 8.6 13.0

