

Data Path : Z:\voasrv\HPCHEM1\MSVOA_N\Data\VN111821\
 Data File : VN069560.D
 Acq On : 18 Nov 2021 18:17
 Operator : JC/MD
 Sample : M4739-07
 Misc : 5.00mL/MSVOA_N/WATER
 ALS Vial : 19 Sample Multiplier: 1

Instrument :
 MSVOA_N
 ClientSampleId :
 LB-3R

Quant Time: Nov 19 03:20:00 2021
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA_N\methods\82N110921W.M
 Quant Title : SW846 8260
 QLast Update : Tue Nov 09 18:18:22 2021
 Response via : Initial Calibration

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

Internal Standards						
1) Pentafluorobenzene	8.088	168	1404886	50.000	ug/l	0.00
34) 1,4-Difluorobenzene	8.971	114	2416593	50.000	ug/l	0.00
63) Chlorobenzene-d5	11.747	117	2492627	50.000	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.675	152	1089158	50.000	ug/l	0.00

System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	8.440	65	989578	48.580	ug/l	0.00
Spiked Amount	50.000	Range	61 - 141	Recovery	=	97.160%
35) Dibromofluoromethane	8.024	113	694343	47.907	ug/l	0.00
Spiked Amount	50.000	Range	69 - 133	Recovery	=	95.820%
50) Toluene-d8	10.443	98	3171742	55.641	ug/l	0.00
Spiked Amount	50.000	Range	65 - 126	Recovery	=	111.280%
62) 4-Bromofluorobenzene	12.731	95	1215682	58.053	ug/l	0.00
Spiked Amount	50.000	Range	58 - 135	Recovery	=	116.100%

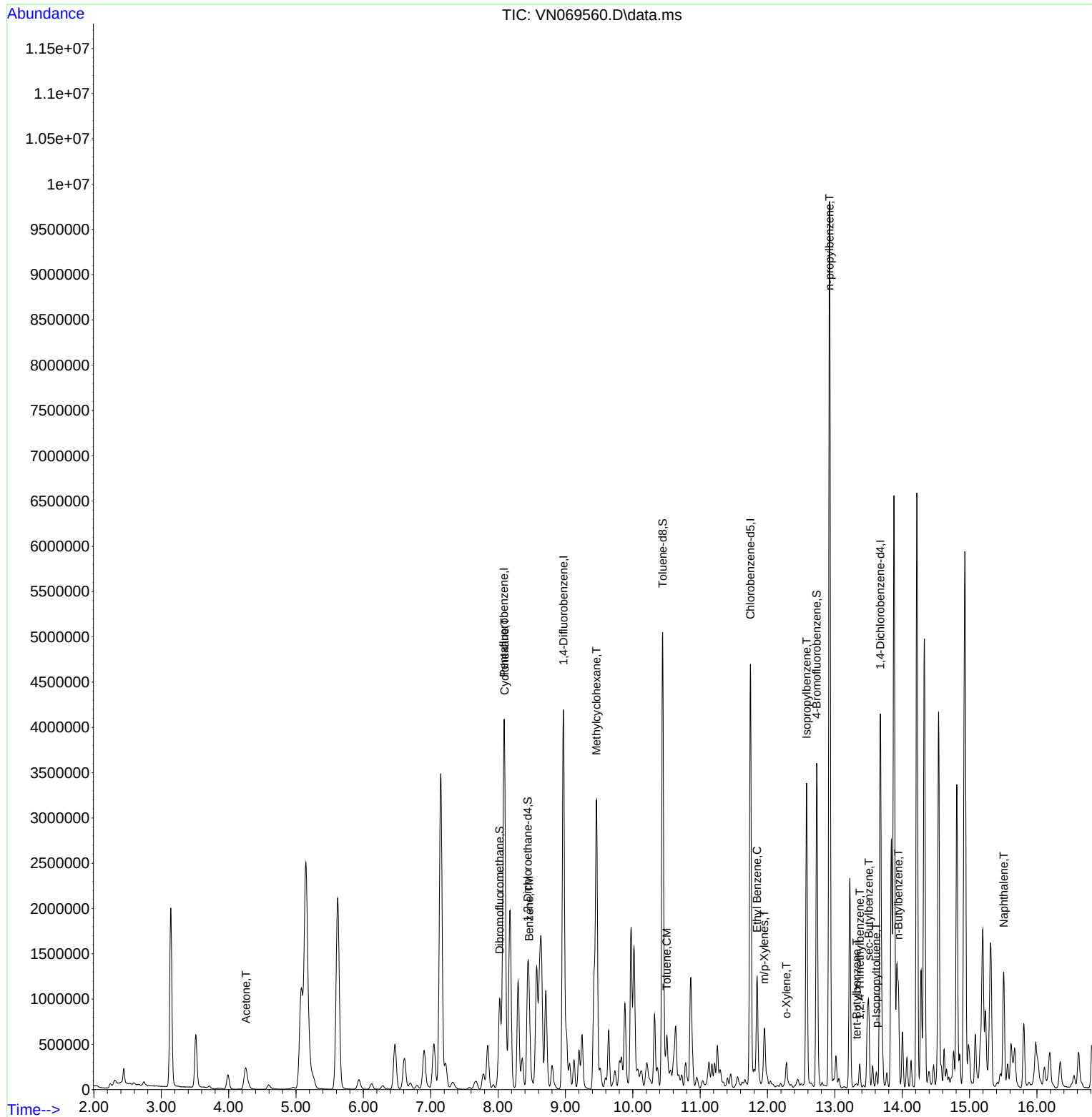
Target Compounds					Qvalue	
16) Acetone	4.256	43	218666	19.896	ug/l #	56
31) Cyclohexane	8.096	56	1303679	46.845	ug/l	90
39) Methylcyclohexane	9.461	83	1284255	50.771	ug/l	90
40) Benzene	8.461	78	621879	9.908	ug/l	99
52) Toluene	10.505	92	214018	5.473	ug/l	95
67) Ethyl Benzene	11.846	91	741799	8.669	ug/l	97
68) m/p-Xylenes	11.953	106	204802	6.508	ug/l	95
69) o-Xylene	12.280	106	66824	2.130	ug/l	92
73) Isopropylbenzene	12.581	105	2170095	25.024	ug/l	98
78) n-propylbenzene	12.921	91	7725438	79.171	ug/l	96
83) tert-Butylbenzene	13.324	119	20379	0.332	ug/l #	28
84) 1,2,4-Trimethylbenzene	13.369	105	148741	2.198	ug/l	93
85) sec-Butylbenzene	13.503	105	567212	6.609	ug/l #	67
86) p-Isopropyltoluene	13.616	119	94976	1.394	ug/l	95
89) n-Butylbenzene	13.943	91	676780	11.913	ug/l #	77
95) Naphthalene	15.507	128	1127858	25.701	ug/l	99

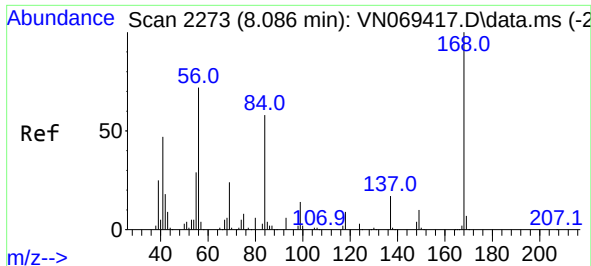
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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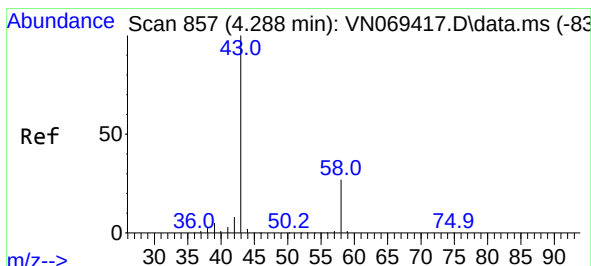
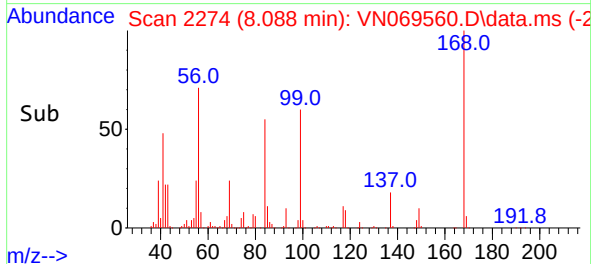
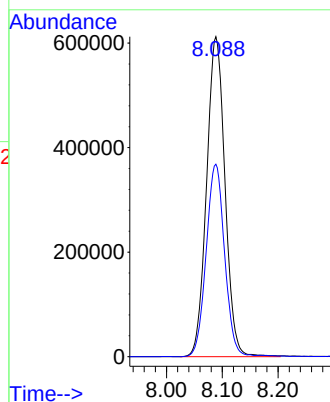
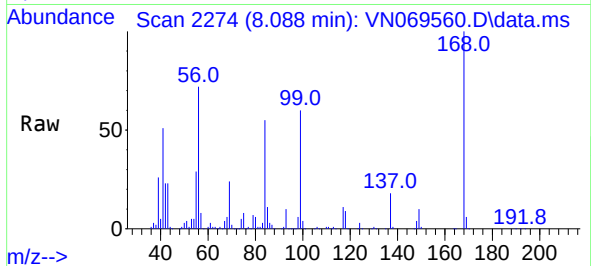




#1
Pentafluorobenzene
Concen: 50.000 ug/l
RT: 8.088 min Scan# 21
Delta R.T. 0.002 min
Lab File: VN069560.D
Acq: 18 Nov 2021 18:17

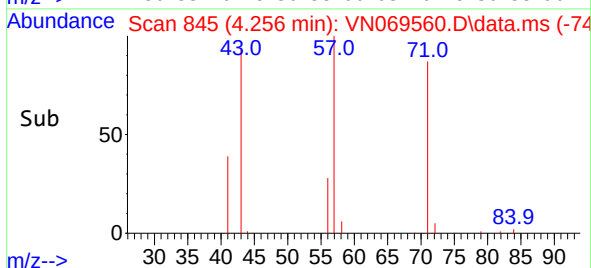
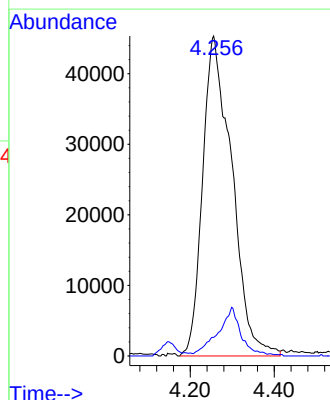
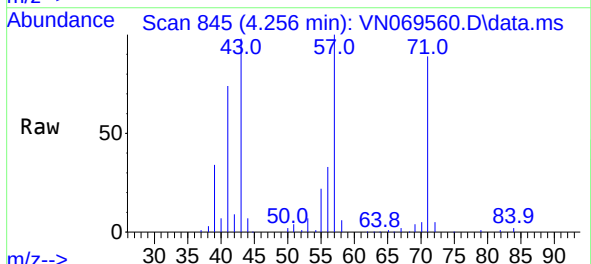
Instrument :
MSVOA_N
ClientSampleId :
LB-3R

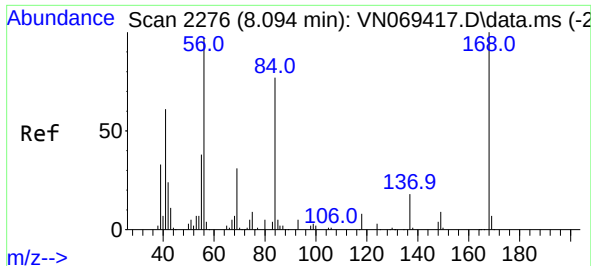
Tgt Ion:168 Resp: 1404886
Ion Ratio Lower Upper
168 100
99 60.1 41.3 61.9



#16
Acetone
Concen: 19.896 ug/l
RT: 4.256 min Scan# 845
Delta R.T. -0.032 min
Lab File: VN069560.D
Acq: 18 Nov 2021 18:17

Tgt Ion: 43 Resp: 218666
Ion Ratio Lower Upper
43 100
58 5.4 23.1 34.7#

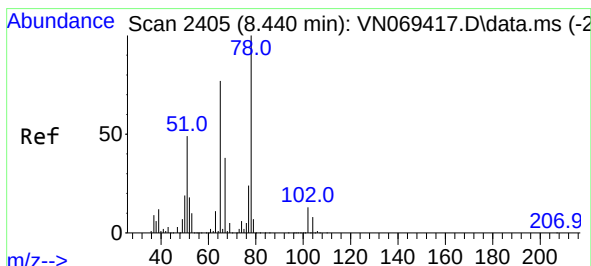
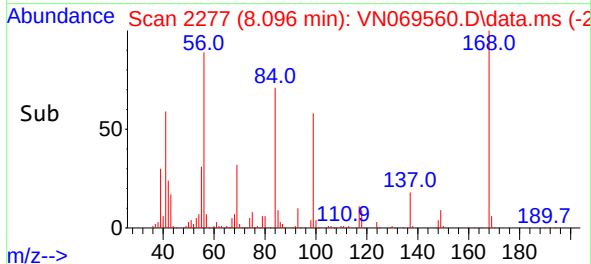
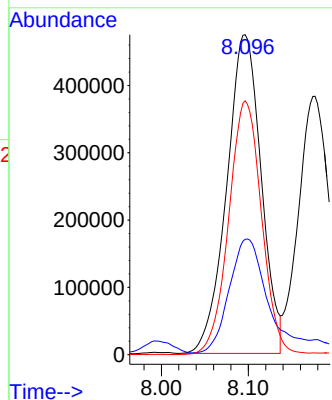
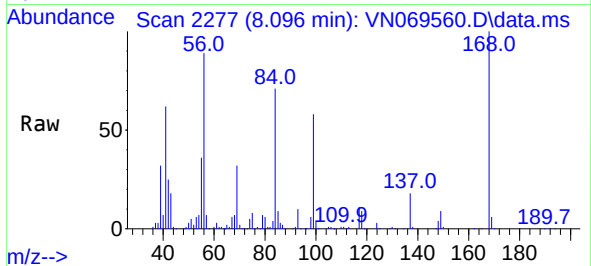




#31
Cyclohexane
Concen: 46.845 ug/l
RT: 8.096 min Scan# 21
Delta R.T. 0.002 min
Lab File: VN069560.D
Acq: 18 Nov 2021 18:17

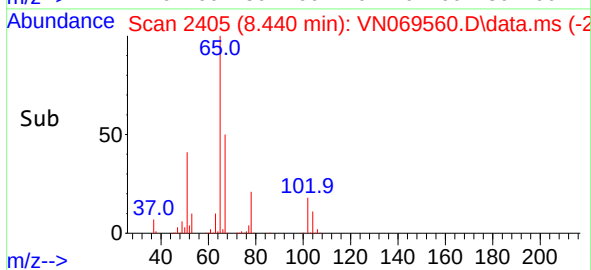
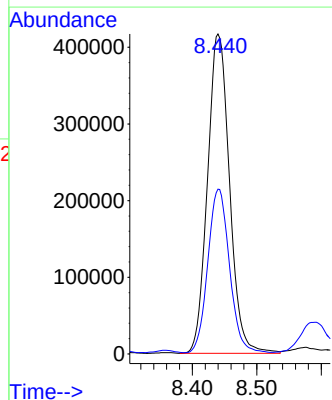
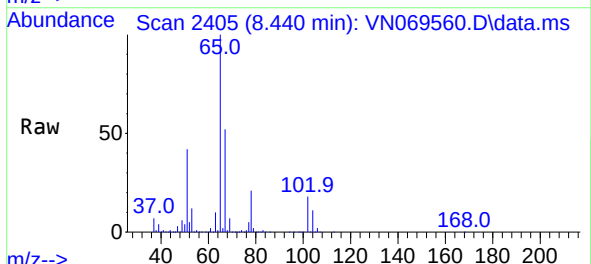
Instrument :
MSVOA_N
ClientSampleId :
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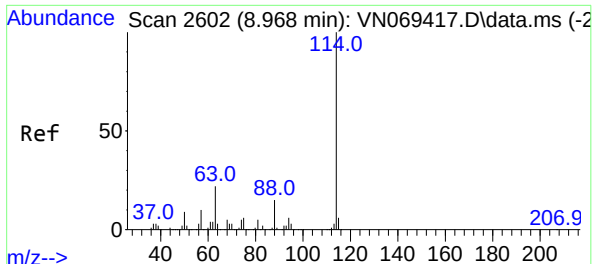
Tgt Ion: 56 Resp: 1303679
Ion Ratio Lower Upper
56 100
69 34.5 27.1 40.7
84 79.6 73.4 110.0



#33
1,2-Dichloroethane-d4
Concen: 48.580 ug/l
RT: 8.440 min Scan# 2405
Delta R.T. -0.000 min
Lab File: VN069560.D
Acq: 18 Nov 2021 18:17

Tgt Ion: 65 Resp: 989578
Ion Ratio Lower Upper
65 100
67 50.3 0.0 103.0

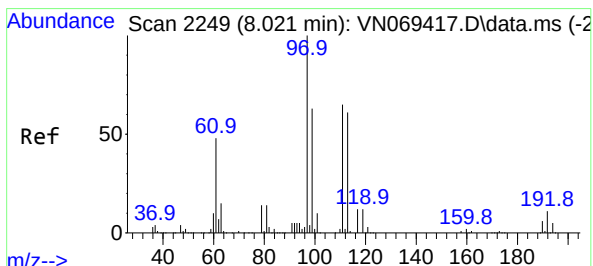
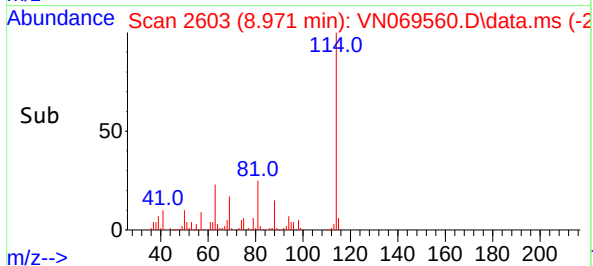
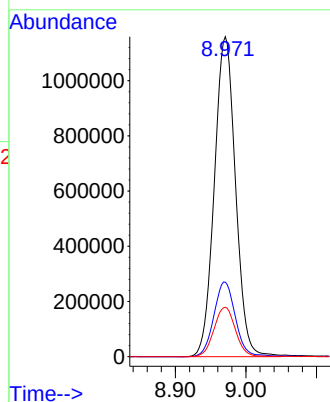
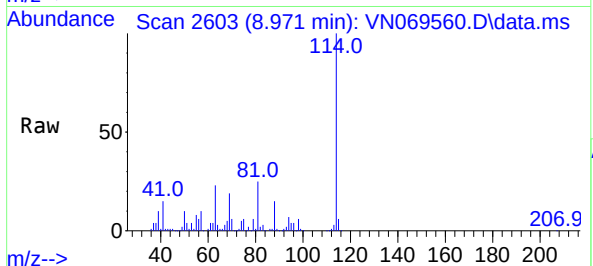




#34
1,4-Difluorobenzene
Concen: 50.000 ug/l
RT: 8.971 min Scan# 21
Delta R.T. 0.003 min
Lab File: VN069560.D
Acq: 18 Nov 2021 18:17

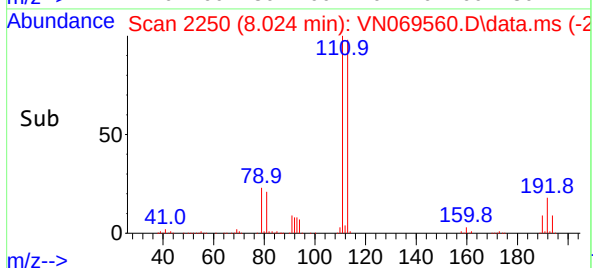
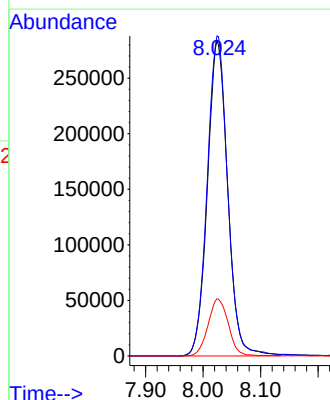
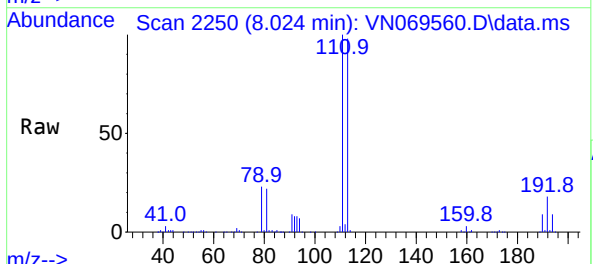
Instrument :
MSVOA_N
ClientSampleId :
LB-3R

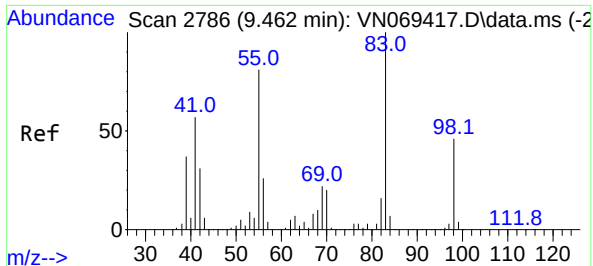
Tgt Ion:114 Resp: 2416593
Ion Ratio Lower Upper
114 100
63 23.3 0.0 37.8
88 15.4 0.0 27.4



#35
Dibromofluoromethane
Concen: 47.907 ug/l
RT: 8.024 min Scan# 2250
Delta R.T. 0.003 min
Lab File: VN069560.D
Acq: 18 Nov 2021 18:17

Tgt Ion:113 Resp: 694343
Ion Ratio Lower Upper
113 100
111 102.8 82.2 123.2
192 18.1 16.9 25.3





#39

Methylcyclohexane

Concen: 50.771 ug/l

RT: 9.461 min Scan# 21

Delta R.T. -0.001 min

Lab File: VN069560.D

Acq: 18 Nov 2021 18:17

Instrument :

MSVOA_N

ClientSampleId :

LB-3R

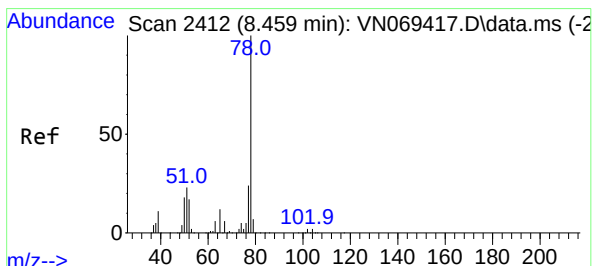
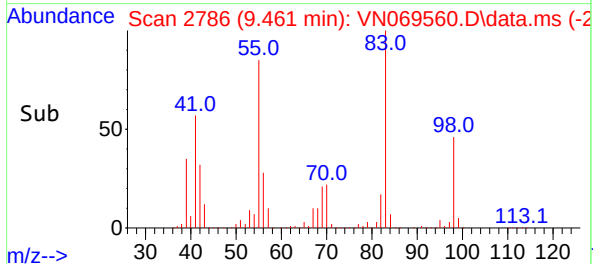
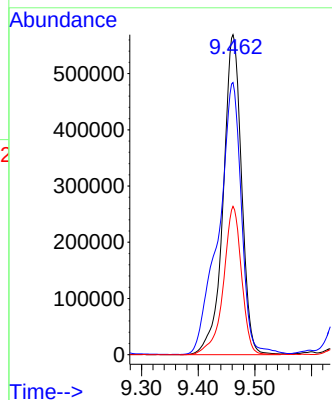
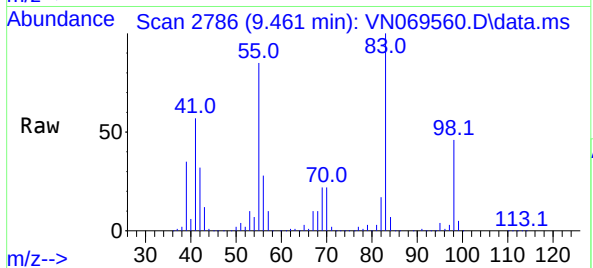
Tgt Ion: 83 Resp: 1284255

Ion Ratio Lower Upper

83 100

55 85.0 58.1 87.1

98 46.3 38.4 57.6



#40

Benzene

Concen: 9.908 ug/l

RT: 8.461 min Scan# 2413

Delta R.T. 0.002 min

Lab File: VN069560.D

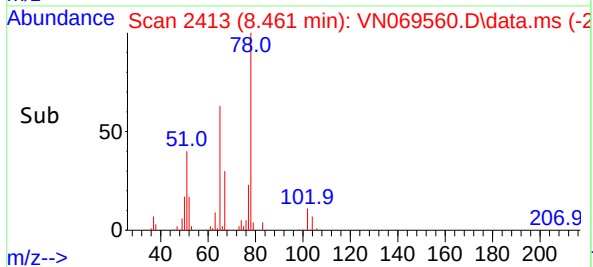
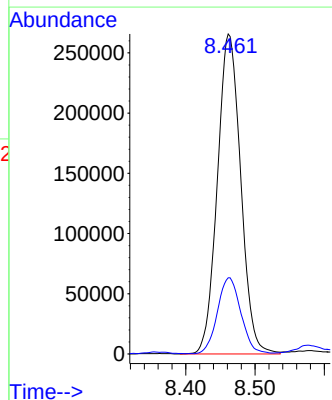
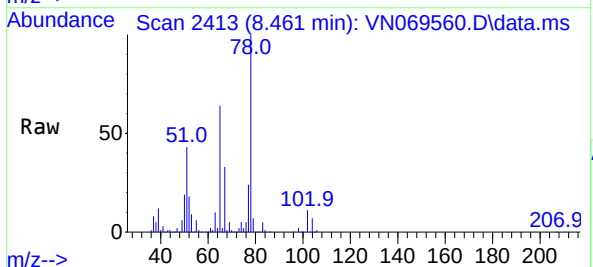
Acq: 18 Nov 2021 18:17

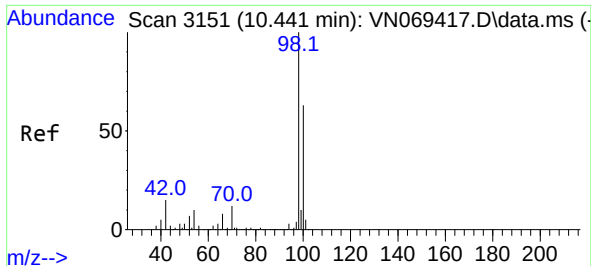
Tgt Ion: 78 Resp: 621879

Ion Ratio Lower Upper

78 100

77 23.7 18.6 27.8

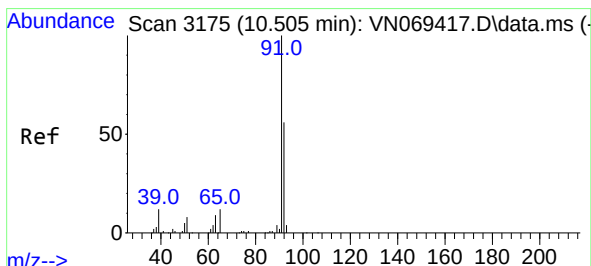
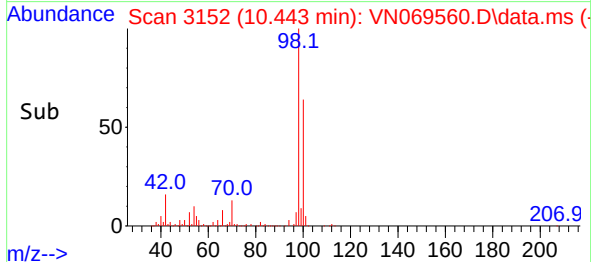
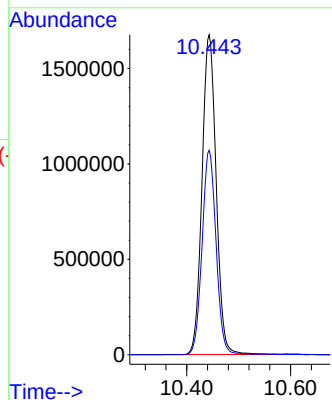
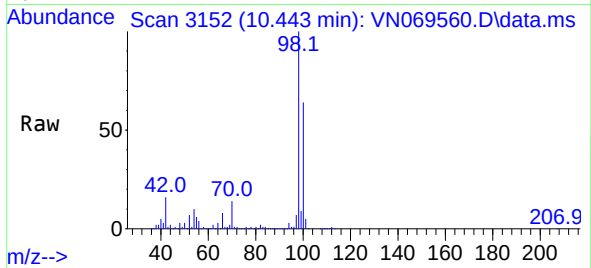




#50
Toluene-d8
Concen: 55.641 ug/l
RT: 10.443 min Scan# 3151
Delta R.T. 0.002 min
Lab File: VN069560.D
Acq: 18 Nov 2021 18:17

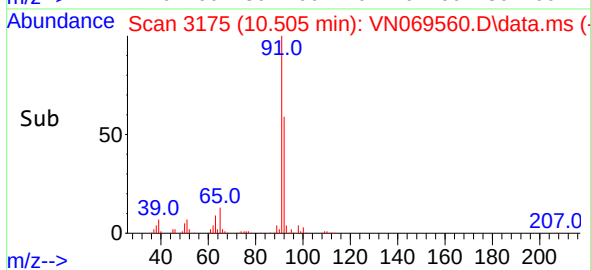
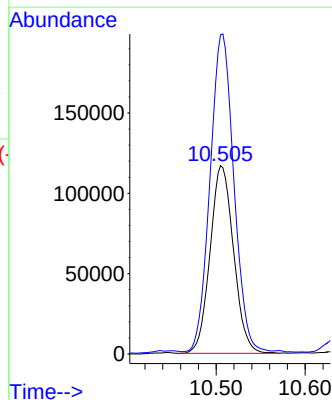
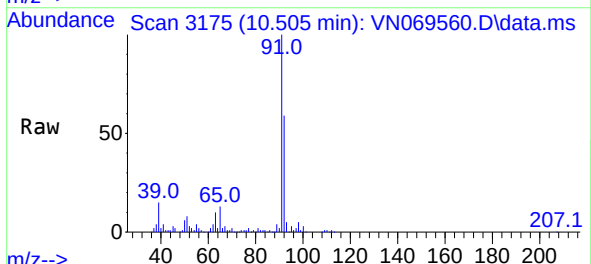
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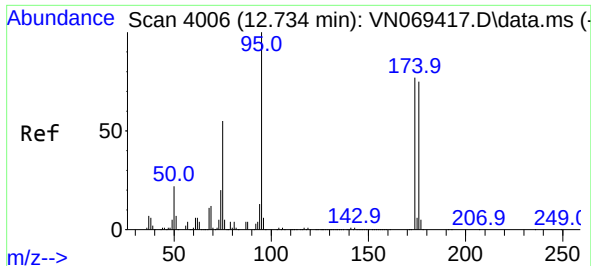
Tgt Ion: 98 Resp: 3171742
Ion Ratio Lower Upper
98 100
100 63.3 50.4 75.6



#52
Toluene
Concen: 5.473 ug/l
RT: 10.505 min Scan# 3175
Delta R.T. -0.000 min
Lab File: VN069560.D
Acq: 18 Nov 2021 18:17

Tgt Ion: 92 Resp: 214018
Ion Ratio Lower Upper
92 100
91 171.1 142.0 213.0

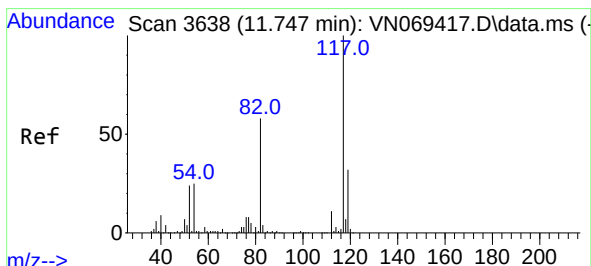
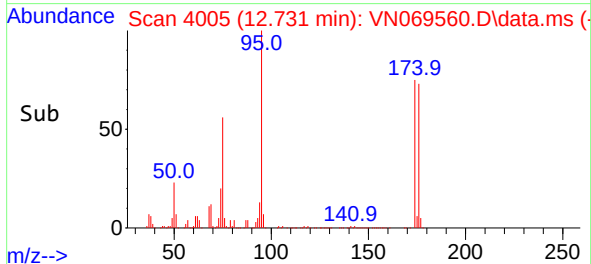
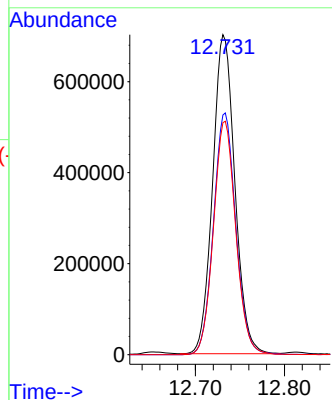
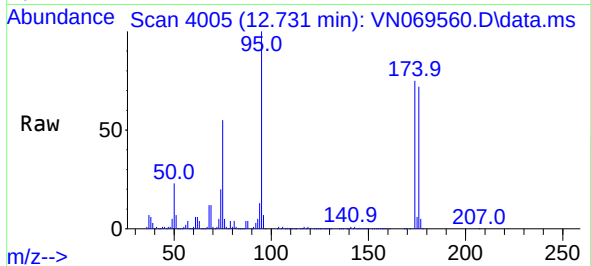




#62
4-Bromofluorobenzene
Concen: 58.053 ug/l
RT: 12.731 min Scan# 4006
Delta R.T. -0.003 min
Lab File: VN069560.D
Acq: 18 Nov 2021 18:17

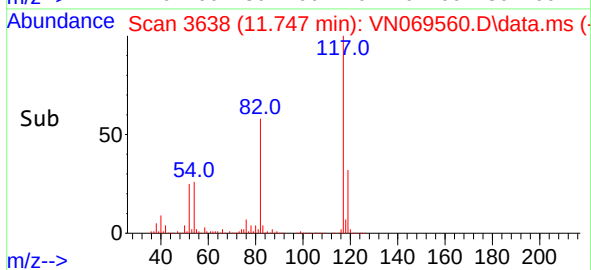
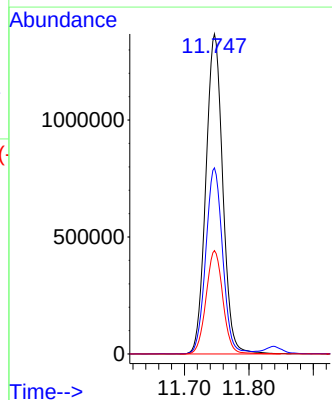
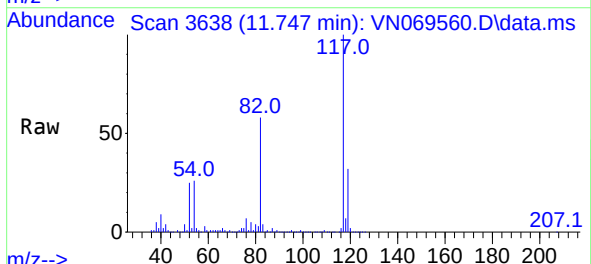
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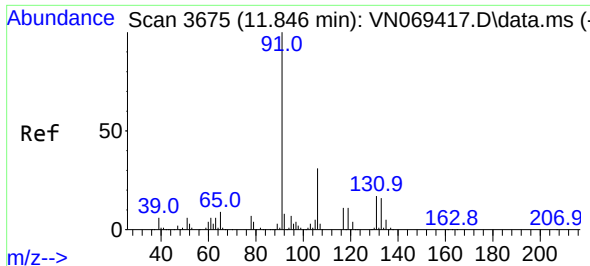
Tgt Ion: 95 Resp: 1215682
Ion Ratio Lower Upper
95 100
174 76.3 0.0 187.2
176 73.7 0.0 181.4



#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 11.747 min Scan# 3638
Delta R.T. -0.000 min
Lab File: VN069560.D
Acq: 18 Nov 2021 18:17

Tgt Ion: 117 Resp: 2492627
Ion Ratio Lower Upper
117 100
82 58.1 42.4 63.6
119 32.3 25.4 38.2

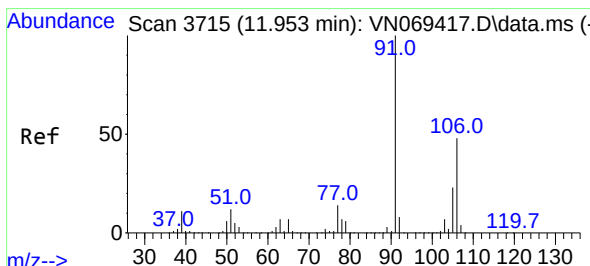
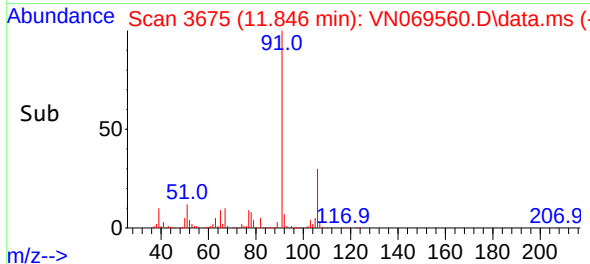
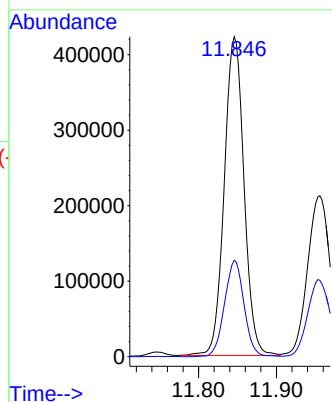
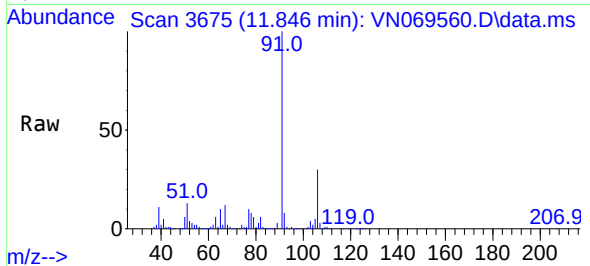




#67
Ethyl Benzene
Concen: 8.669 ug/l
RT: 11.846 min Scan# 3675
Delta R.T. -0.000 min
Lab File: VN069560.D
Acq: 18 Nov 2021 18:17

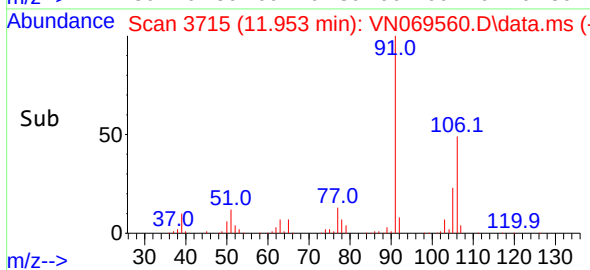
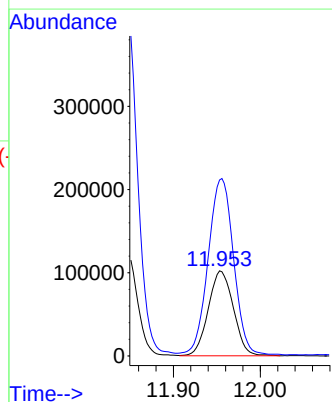
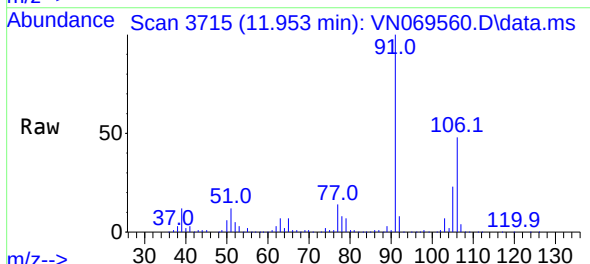
Instrument : MSVOA_N
ClientSampleId : LB-3R

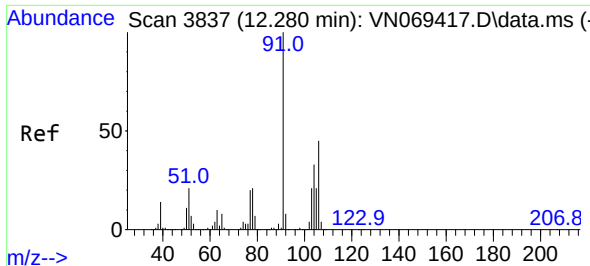
Tgt Ion: 91 Resp: 741799
Ion Ratio Lower Upper
91 100
106 30.3 25.7 38.5



#68
m/p-Xylenes
Concen: 6.508 ug/l
RT: 11.953 min Scan# 3715
Delta R.T. 0.000 min
Lab File: VN069560.D
Acq: 18 Nov 2021 18:17

Tgt Ion:106 Resp: 204802
Ion Ratio Lower Upper
106 100
91 207.8 160.6 240.8

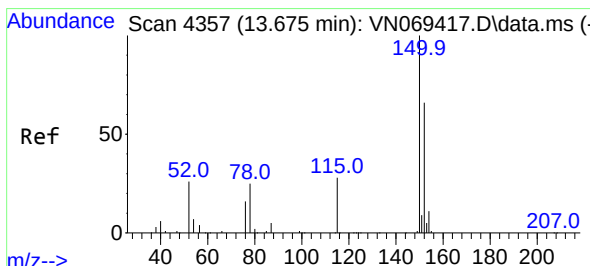
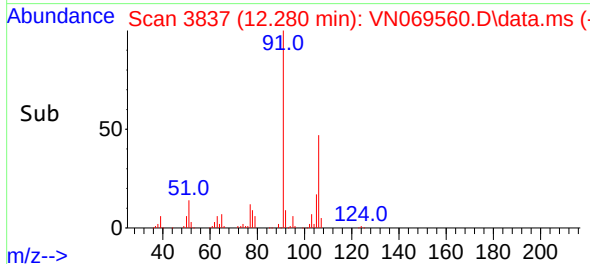
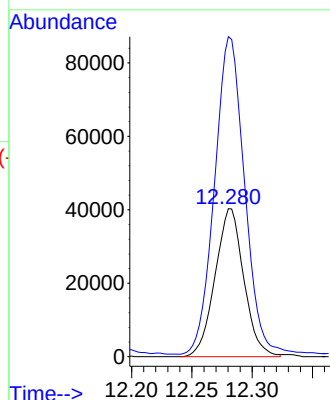
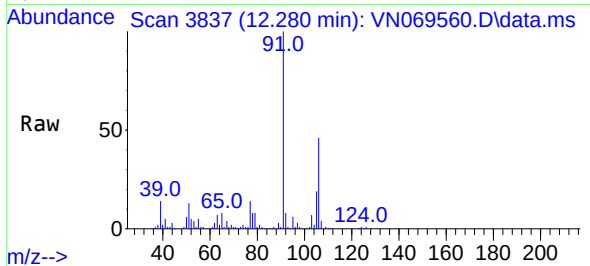




#69
o-Xylene
Concen: 2.130 ug/l
RT: 12.280 min Scan# 3837
Delta R.T. 0.000 min
Lab File: VN069560.D
Acq: 18 Nov 2021 18:17

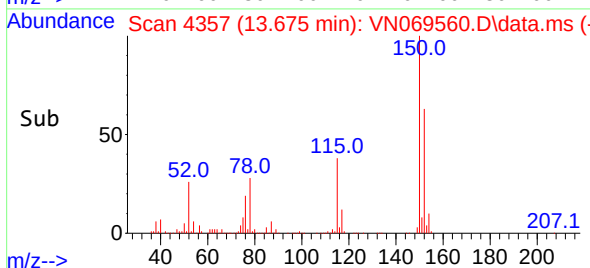
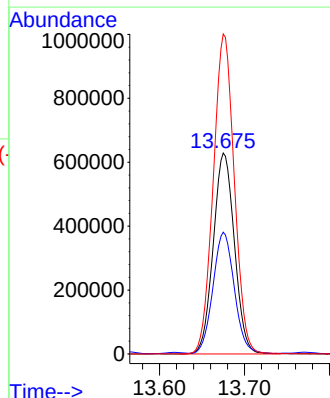
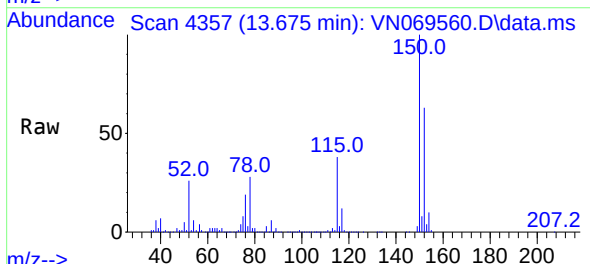
Instrument :
MSVOA_N
ClientSampleId :
LB-3R

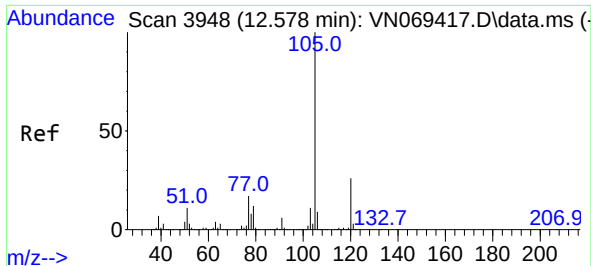
Tgt Ion:106 Resp: 66824
Ion Ratio Lower Upper
106 100
91 224.3 105.8 317.3



#72
1,4-Dichlorobenzene-d4
Concen: 50.000 ug/l
RT: 13.675 min Scan# 4357
Delta R.T. -0.000 min
Lab File: VN069560.D
Acq: 18 Nov 2021 18:17

Tgt Ion:152 Resp: 1089158
Ion Ratio Lower Upper
152 100
115 60.7 27.5 82.5
150 158.4 0.0 344.4

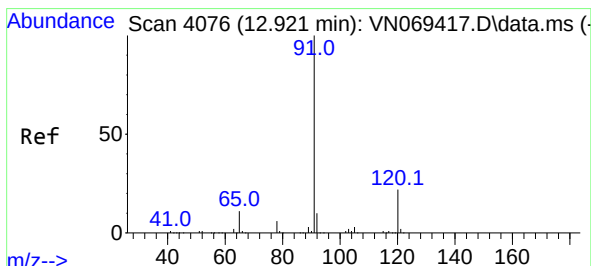
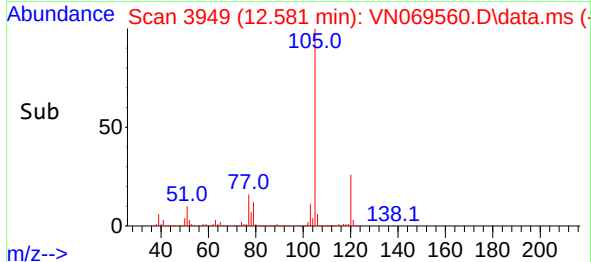
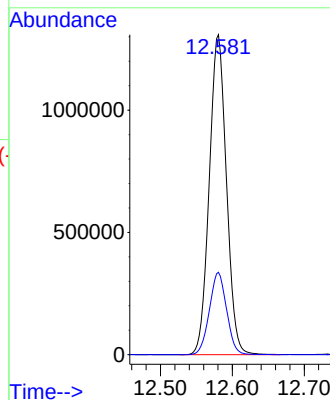
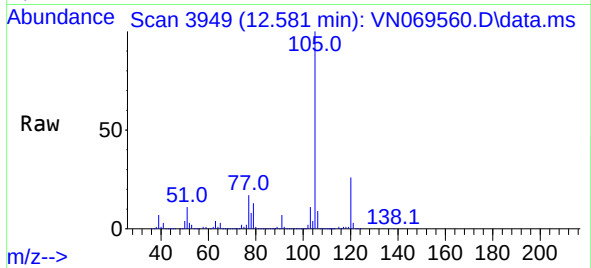




#73
Isopropylbenzene
Concen: 25.024 ug/l
RT: 12.581 min Scan# 3948
Delta R.T. 0.003 min
Lab File: VN069560.D
Acq: 18 Nov 2021 18:17

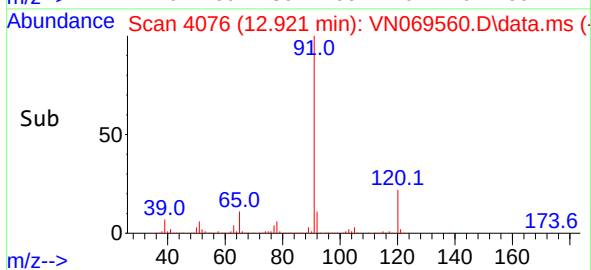
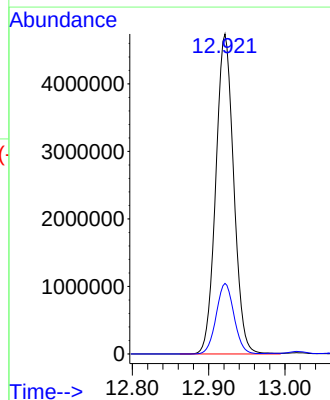
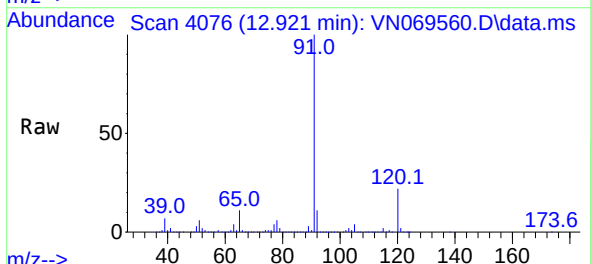
Instrument :
MSVOA_N
ClientSampleId :
LB-3R

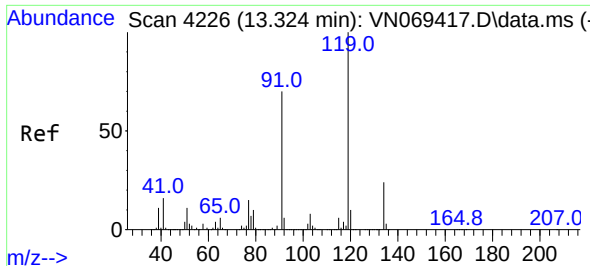
Tgt Ion:105 Resp: 2170095
Ion Ratio Lower Upper
105 100
120 25.8 13.4 40.1



#78
n-propylbenzene
Concen: 79.171 ug/l
RT: 12.921 min Scan# 4076
Delta R.T. 0.000 min
Lab File: VN069560.D
Acq: 18 Nov 2021 18:17

Tgt Ion: 91 Resp: 7725438
Ion Ratio Lower Upper
91 100
120 22.0 11.9 35.9

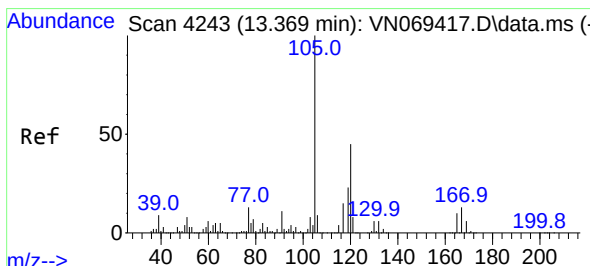
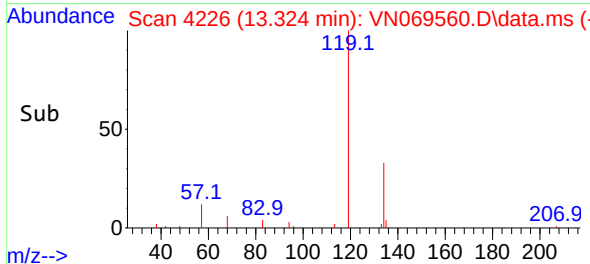
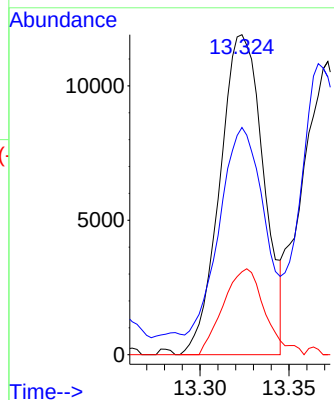
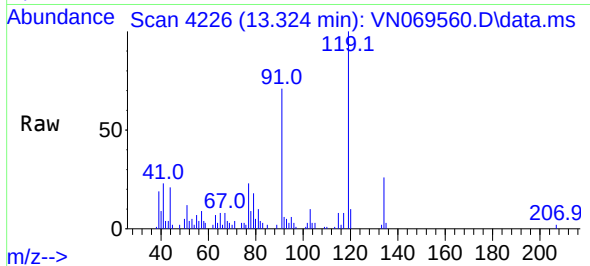




#83
tert-Butylbenzene
Concen: 0.332 ug/l
RT: 13.324 min Scan# 4226
Delta R.T. -0.000 min
Lab File: VN069560.D
Acq: 18 Nov 2021 18:17

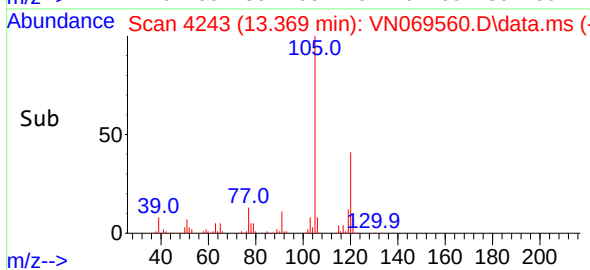
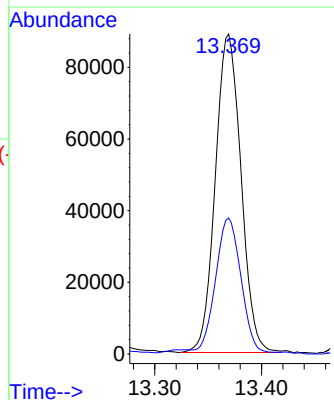
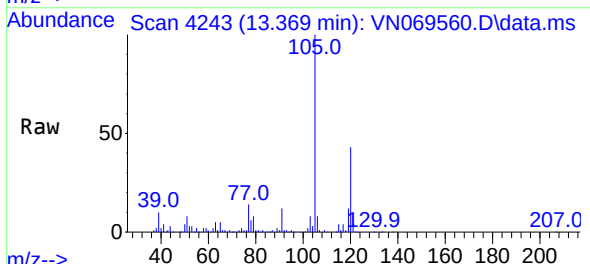
Instrument :
MSVOA_N
ClientSampleId :
LB-3R

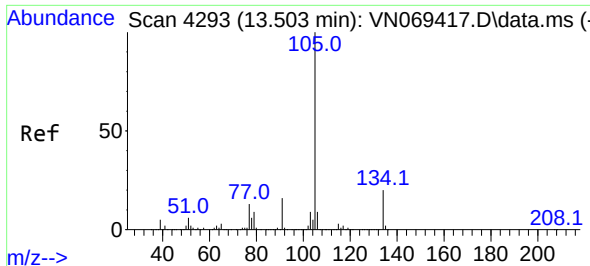
Tgt Ion:119 Resp: 20379
Ion Ratio Lower Upper
119 100
91 0.0 31.5 94.5#
134 0.0 12.4 37.4#



#84
1,2,4-Trimethylbenzene
Concen: 2.198 ug/l
RT: 13.369 min Scan# 4243
Delta R.T. 0.000 min
Lab File: VN069560.D
Acq: 18 Nov 2021 18:17

Tgt Ion:105 Resp: 148741
Ion Ratio Lower Upper
105 100
120 41.2 22.8 68.4

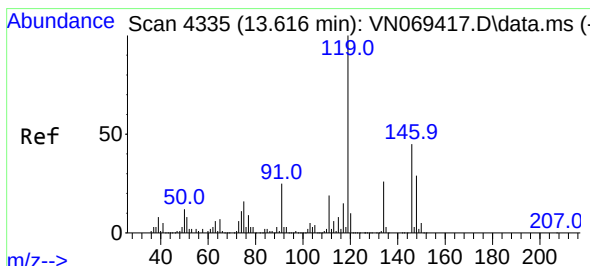
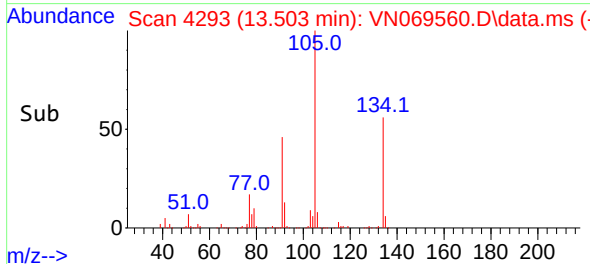
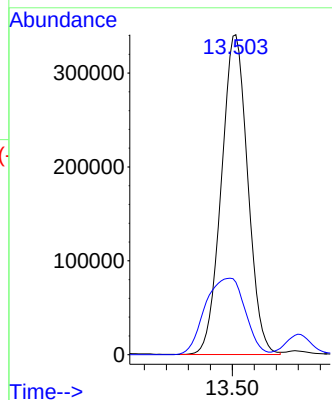
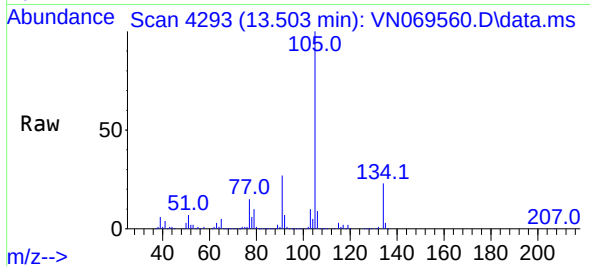




#85
 sec-Butylbenzene
 Concen: 6.609 ug/l
 RT: 13.503 min Scan# 4293
 Delta R.T. 0.000 min
 Lab File: VN069560.D
 Acq: 18 Nov 2021 18:17

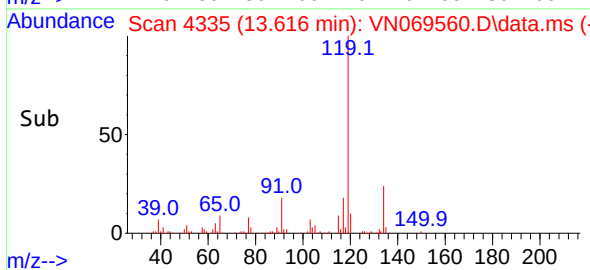
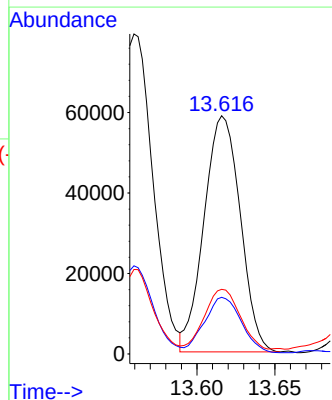
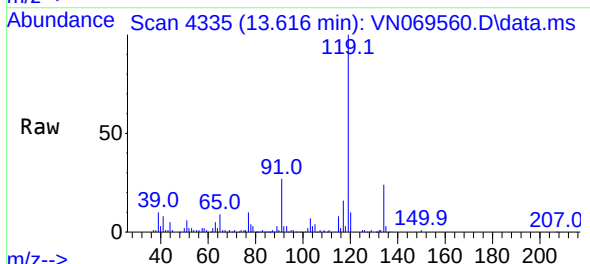
Instrument :
 MSVOA_N
 ClientSampleId :
 LB-3R

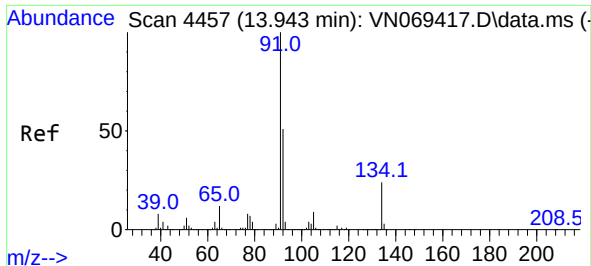
Tgt Ion:105 Resp: 567212
 Ion Ratio Lower Upper
 105 100
 134 36.1 10.4 31.1#



#86
 p-Isopropyltoluene
 Concen: 1.394 ug/l
 RT: 13.616 min Scan# 4335
 Delta R.T. -0.000 min
 Lab File: VN069560.D
 Acq: 18 Nov 2021 18:17

Tgt Ion:119 Resp: 94976
 Ion Ratio Lower Upper
 119 100
 134 23.8 13.6 40.7
 91 24.2 11.4 34.1

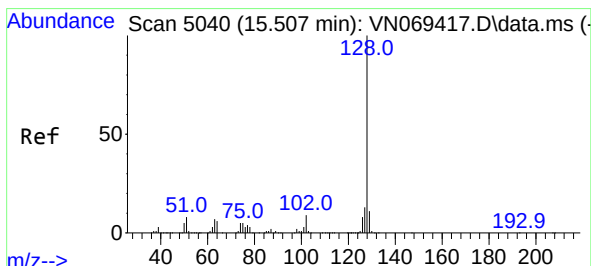
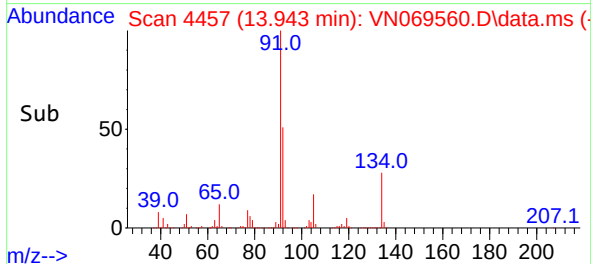
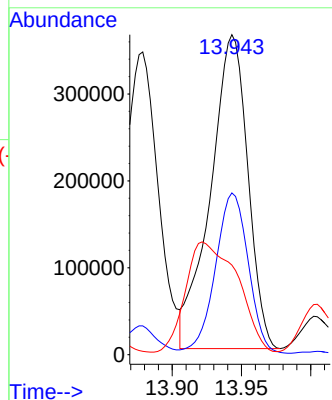
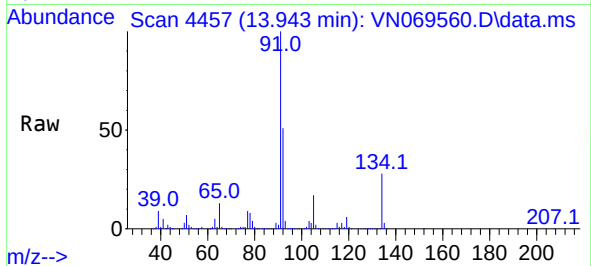




#89
n-Butylbenzene
Concen: 11.913 ug/l
RT: 13.943 min Scan# 4457
Delta R.T. 0.000 min
Lab File: VN069560.D
Acq: 18 Nov 2021 18:17

Instrument :
MSVOA_N
ClientSampleId :
LB-3R

Tgt Ion: 91 Resp: 676780
Ion Ratio Lower Upper
91 100
92 45.2 25.4 76.0
134 0.0 13.6 40.8#



#95
Naphthalene
Concen: 25.701 ug/l
RT: 15.507 min Scan# 5040
Delta R.T. -0.000 min
Lab File: VN069560.D
Acq: 18 Nov 2021 18:17

Tgt Ion:128 Resp: 1127858
Ion Ratio Lower Upper
128 100
127 13.1 10.5 15.7
129 10.1 8.7 13.1

