

Data Path : Z:\voasrv\HPCHEM1\MSVOA_N\Data\VN082521\
 Data File : VN068309.D
 Acq On : 25 Aug 2021 19:20
 Operator : JC/MD
 Sample : M3529-02
 Misc : 5.00mL/MSVOA_N/WATER
 ALS Vial : 22 Sample Multiplier: 1

Instrument :
 MSVOA_N
 ClientSampleId :
 31114

Manual Integrations
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MMDadoda
 8/26/2021 9:06:07 AM

Quant Time: Aug 26 05:40:31 2021
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA_N\methods\82N081721W.M
 Quant Title : SW846 8260
 QLast Update : Tue Aug 17 13:09:49 2021
 Response via : Initial Calibration

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

Internal Standards						
1) Pentafluorobenzene	8.088	168	619527	50.000	ug/l	# 0.00
34) 1,4-Difluorobenzene	8.971	114	943831	50.000	ug/l	0.00
63) Chlorobenzene-d5	11.747	117	1088876	50.000	ug/l	# 0.00
72) 1,4-Dichlorobenzene-d4	13.678	152	597607	50.000	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	8.440	65	263358	39.813	ug/l	0.00
Spiked Amount 50.000	Range 61 - 141		Recovery =	79.620%		
35) Dibromofluoromethane	8.024	113	252666	42.640	ug/l	0.00
Spiked Amount 50.000	Range 69 - 133		Recovery =	85.280%		
50) Toluene-d8	10.443	98	1075835	47.648	ug/l	0.00
Spiked Amount 50.000	Range 65 - 126		Recovery =	95.300%		
62) 4-Bromofluorobenzene	12.733	95	458414	60.989	ug/l	0.00
Spiked Amount 50.000	Range 58 - 135		Recovery =	121.980%		
Target Compounds						Qvalue
11) Tert butyl alcohol	5.393	59	94517	114.578	ug/l	100
16) Acetone	4.291	43	1036855	536.859	ug/l #	86
25) 2-Butanone	7.345	43	143817	47.782	ug/l #	81
39) Methylcyclohexane	9.461	83	23510	2.698	ug/l #	83
40) Benzene	8.461	78	884591	37.564	ug/l	95
51) 4-Methyl-2-Pentanone	10.333	43	98120	15.171	ug/l	91
52) Toluene	10.507	92	1366359	85.111	ug/l	99
59) 2-Hexanone	11.087	43	21608	4.812	ug/l	99
67) Ethyl Benzene	11.848	91	534585	14.537	ug/l	91
68) m/p-Xylenes	11.950	106	1410640	95.890	ug/l	77
69) o-Xylene	12.283	106	782438	55.047	ug/l	72
70) Styrene	12.296	104	1287622	56.595	ug/l #	89
73) Isopropylbenzene	12.581	105	75423	1.775	ug/l	98
78) n-propylbenzene	12.924	91	421436	9.244	ug/l #	71
80) 1,3,5-Trimethylbenzene	13.061	105	449649	13.077	ug/l	88
84) 1,2,4-Trimethylbenzene	13.369	105	1784500	53.165	ug/l	92
85) sec-Butylbenzene	13.503	105	24634m	0.613	ug/l	
86) p-Isopropyltoluene	13.616	119	41675m	1.256	ug/l	
88) 1,4-Dichlorobenzene	13.696	146	5774	0.285	ug/l #	46
89) n-Butylbenzene	13.943	91	21483	0.868	ug/l #	76
93) 1,2,4-Trichlorobenzene	15.268	180	9282	3.566	ug/l #	74
95) Naphthalene	15.491	128	26551293m	1059.489	ug/l	
96) 1,2,3-Trichlorobenzene	15.702	180	10920	3.920	ug/l #	81

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

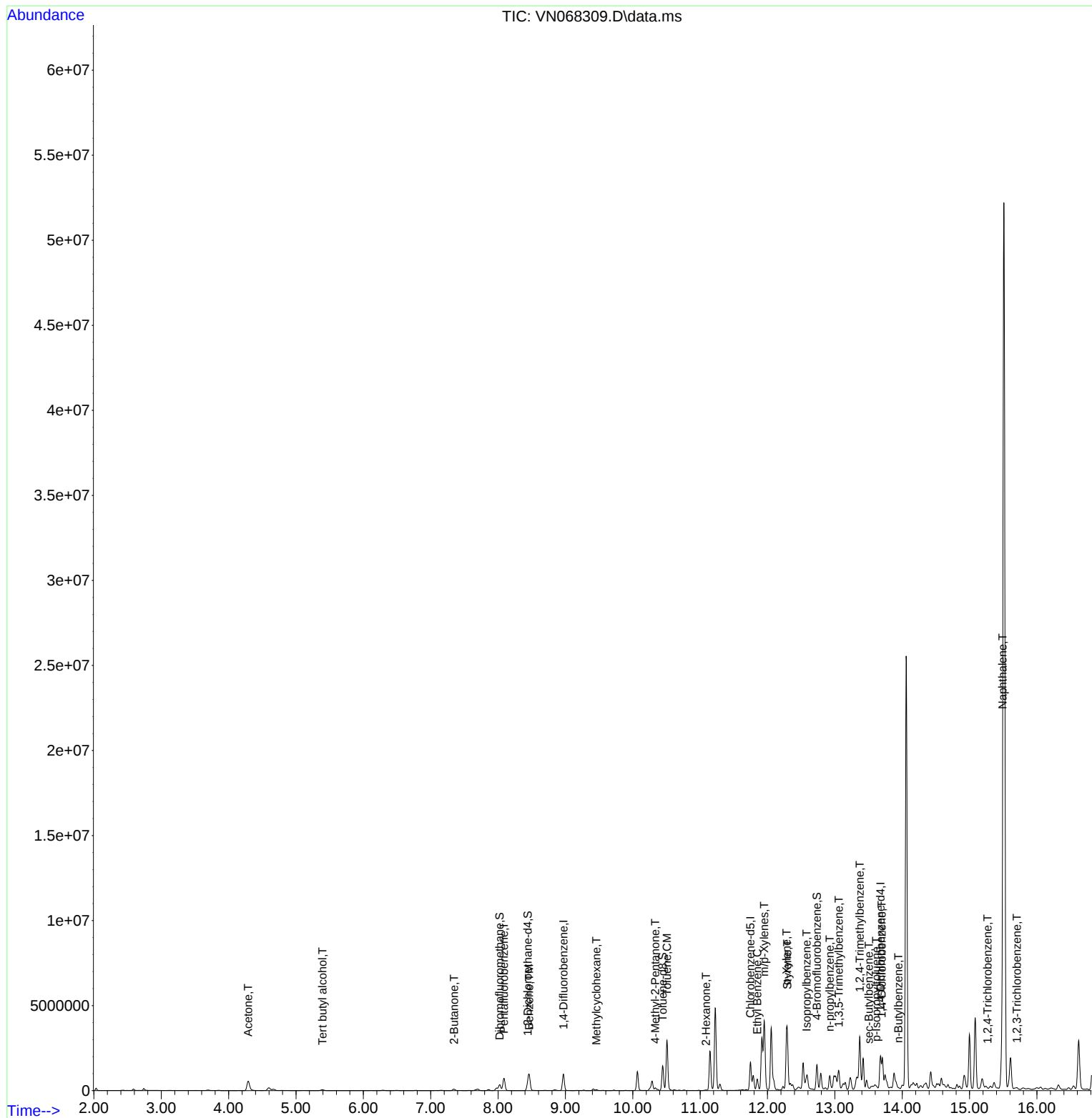
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Data File : VN068309.D
Acq On : 25 Aug 2021 19:20
Operator : JC/MD
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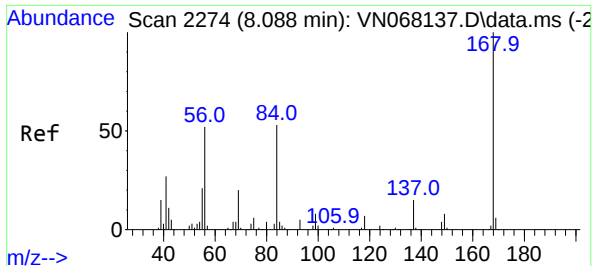
Instrument :
MSVOA_N
ClientSampled :
31114

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Quant Time: Aug 26 05:40:31 2021
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_N\methods\82N081721W.M
Quant Title : SW846 8260
QLast Update : Tue Aug 17 13:09:49 2021
Response via : Initial Calibration





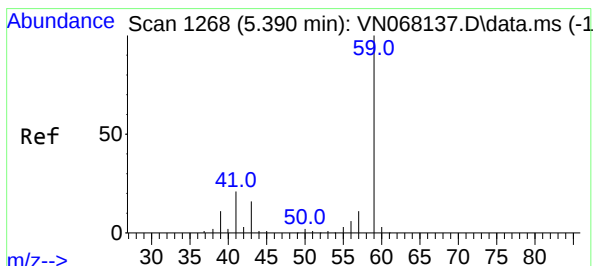
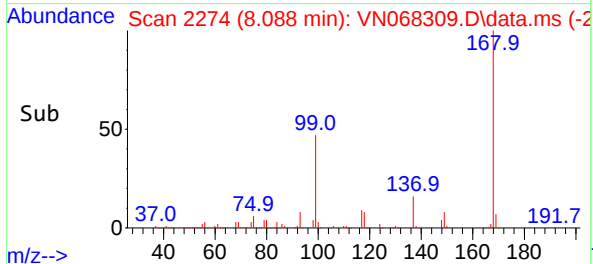
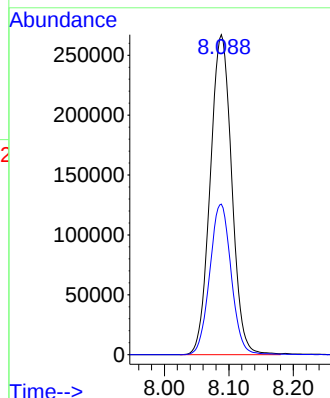
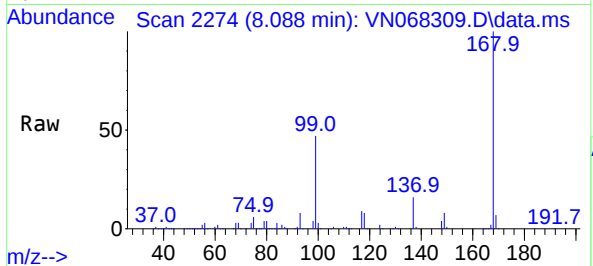
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Pentafluorobenzene
Concen: 50.000 ug/l
RT: 8.088 min Scan# 2274
Delta R.T. 0.000 min
Lab File: VN068309.D
Acq: 25 Aug 2021 19:20

Tgt Ion: 168 Resp: 619527
Ion Ratio Lower Upper
168 100
99 47.1 62.9 94.3#

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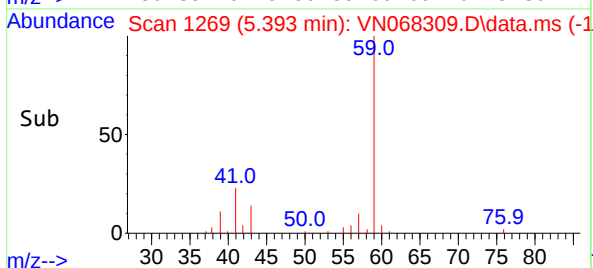
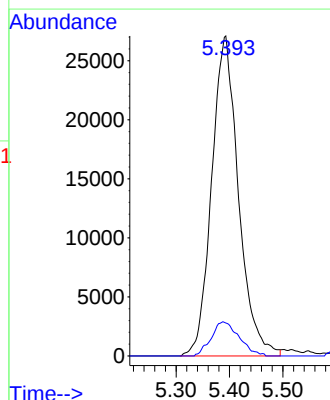
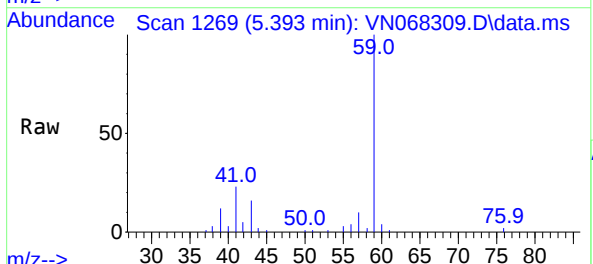
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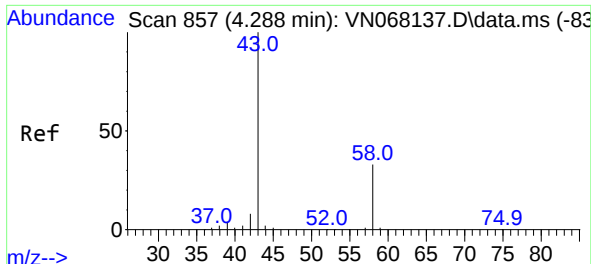
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#11
Tert butyl alcohol
Concen: 114.578 ug/l
RT: 5.393 min Scan# 1269
Delta R.T. 0.003 min
Lab File: VN068309.D
Acq: 25 Aug 2021 19:20

Tgt Ion: 59 Resp: 94517
Ion Ratio Lower Upper
59 100
57 11.0 8.7 13.1





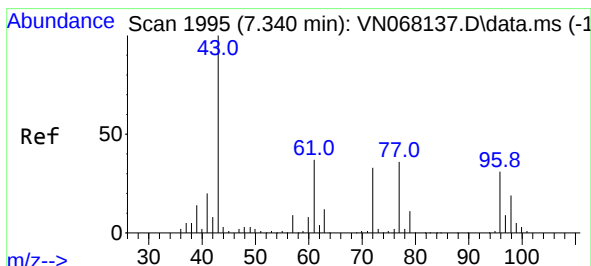
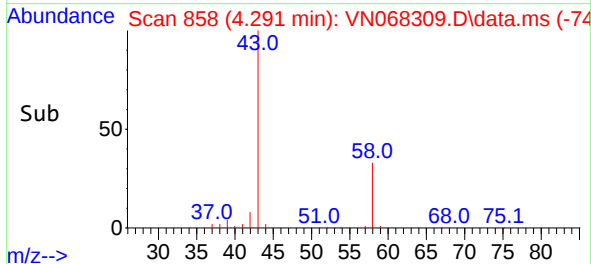
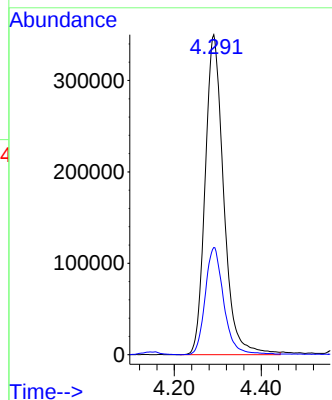
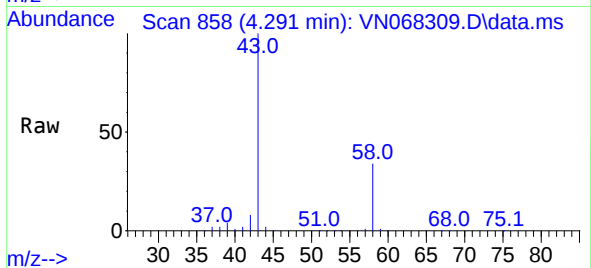
#16
Acetone
Concen: 536.859 ug/l
RT: 4.291 min Scan# 858
Delta R.T. 0.003 min
Lab File: VN068309.D
Acq: 25 Aug 2021 19:20

Instrument :
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Tgt Ion: 43 Resp: 1036855
Ion Ratio Lower Upper
43 100
58 33.5 21.2 31.8#

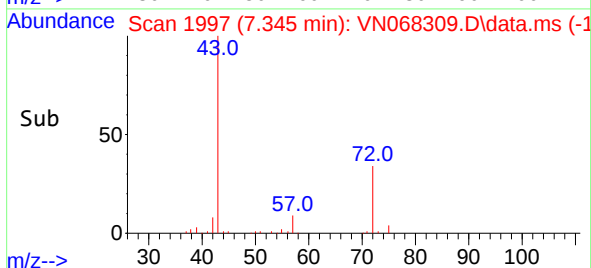
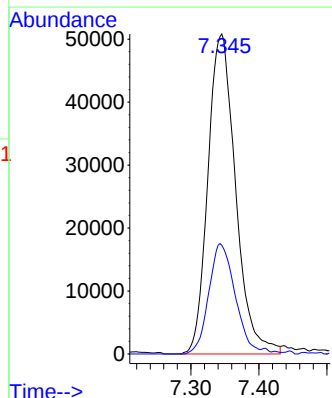
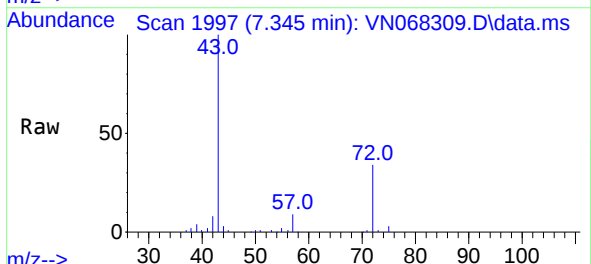
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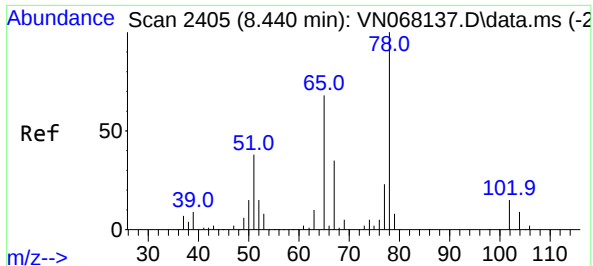
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#25
2-Butanone
Concen: 47.782 ug/l
RT: 7.345 min Scan# 1997
Delta R.T. 0.005 min
Lab File: VN068309.D
Acq: 25 Aug 2021 19:20

Tgt Ion: 43 Resp: 143817
Ion Ratio Lower Upper
43 100
72 33.9 19.7 29.5#





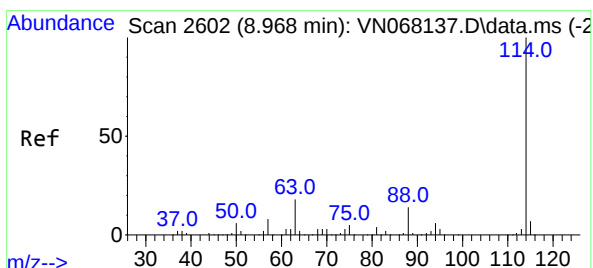
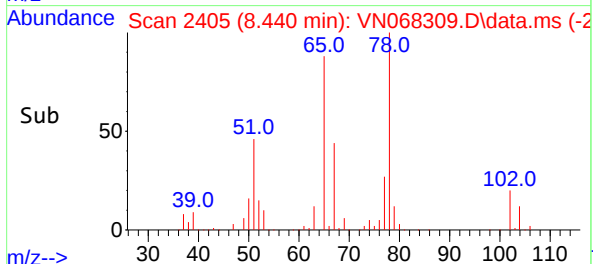
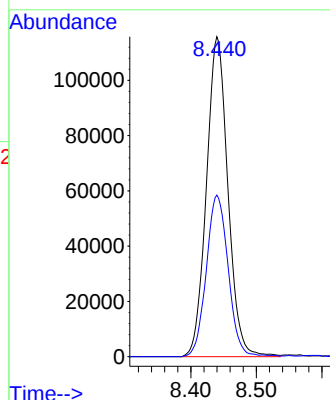
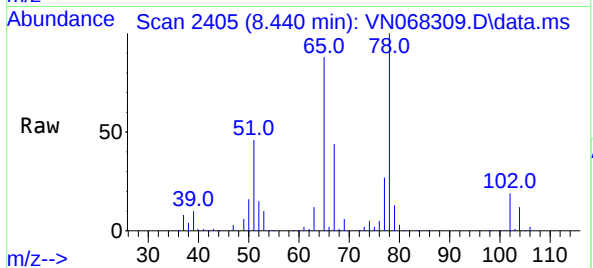
#33
1,2-Dichloroethane-d4
Concen: 39.813 ug/l
RT: 8.440 min Scan# 2405
Delta R.T. -0.000 min
Lab File: VN068309.D
Acq: 25 Aug 2021 19:20

Tgt Ion: 65 Resp: 263358
Ion Ratio Lower Upper
65 100
67 51.2 0.0 98.6

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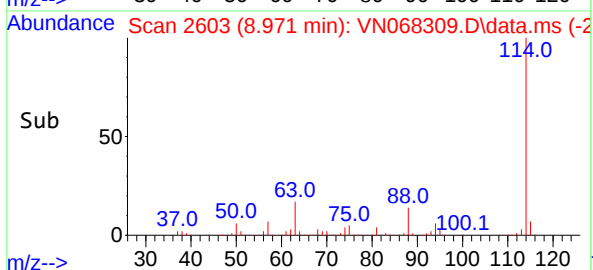
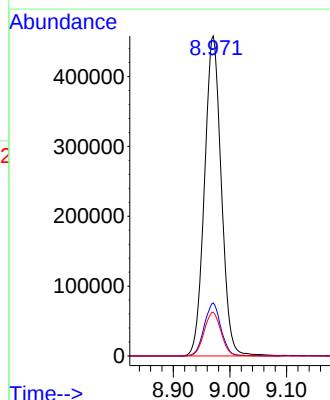
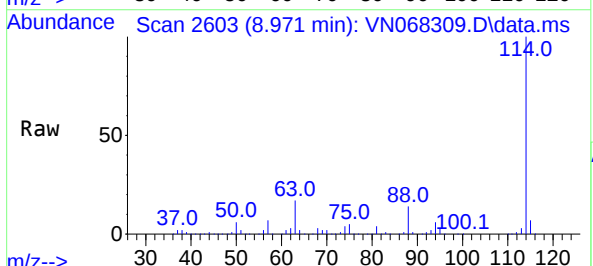
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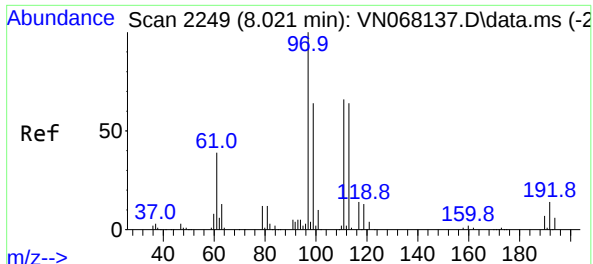
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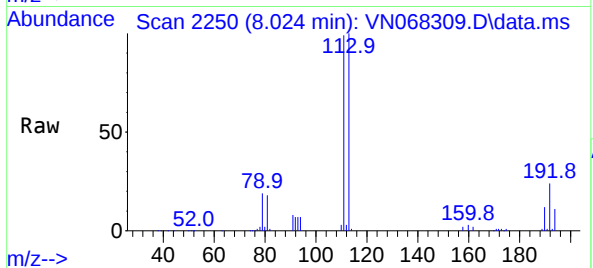
#34
1,4-Difluorobenzene
Concen: 50.000 ug/l
RT: 8.971 min Scan# 2603
Delta R.T. 0.003 min
Lab File: VN068309.D
Acq: 25 Aug 2021 19:20

Tgt Ion: 114 Resp: 943831
Ion Ratio Lower Upper
114 100
63 16.6 0.0 49.0
88 13.7 0.0 36.6

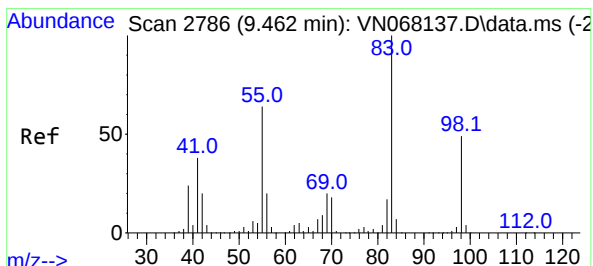
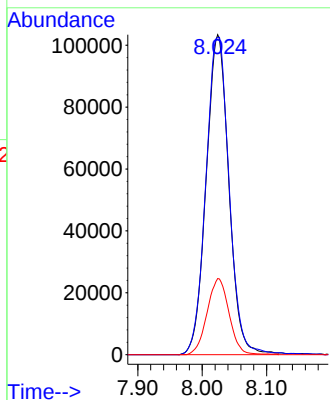
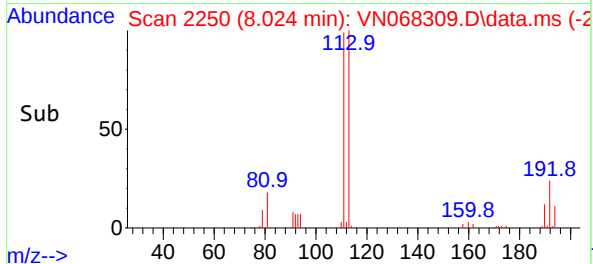




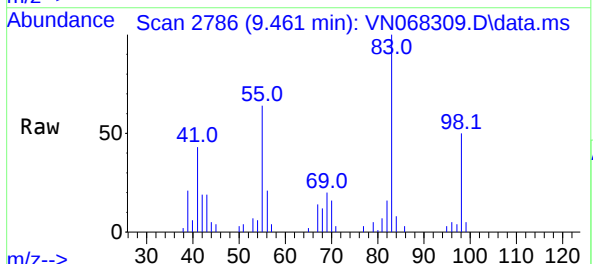
#35
Dibromofluoromethane
Concen: 42.640 ug/l
RT: 8.024 min Scan# 2250
Delta R.T. 0.003 min
Lab File: VN068309.D
Acq: 25 Aug 2021 19:20



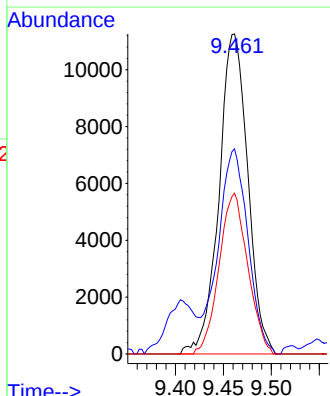
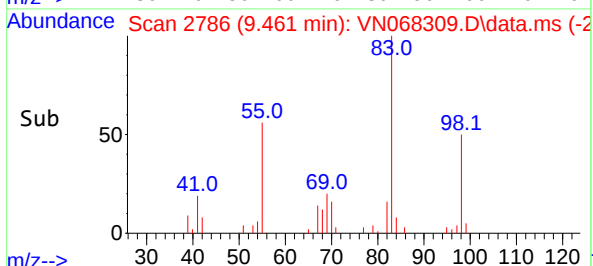
Tgt Ion: 113 Resp: 252666
Ion Ratio Lower Upper
113 100
111 102.1 83.8 125.8
192 23.0 13.4 20.0#



#39
Methylcyclohexane
Concen: 2.698 ug/l
RT: 9.461 min Scan# 2786
Delta R.T. -0.001 min
Lab File: VN068309.D
Acq: 25 Aug 2021 19:20



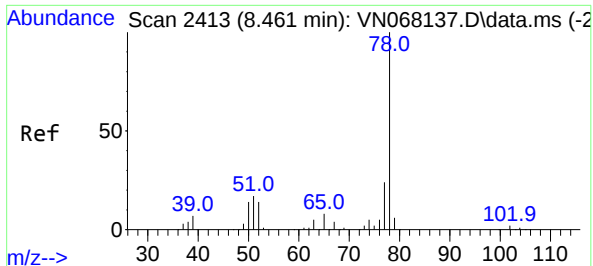
Tgt Ion: 83 Resp: 23510
Ion Ratio Lower Upper
83 100
55 64.1 66.6 99.8#
98 50.2 35.3 52.9



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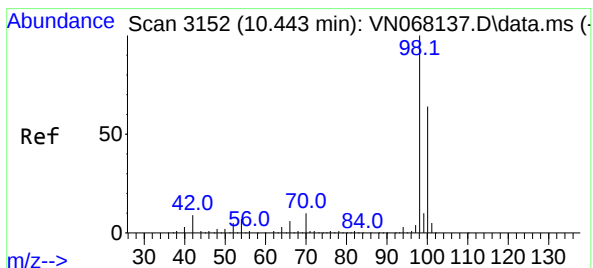
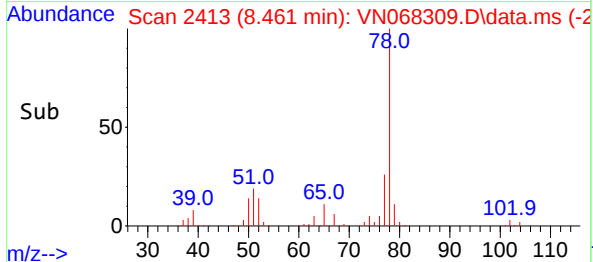
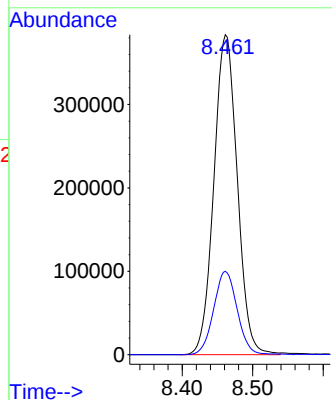
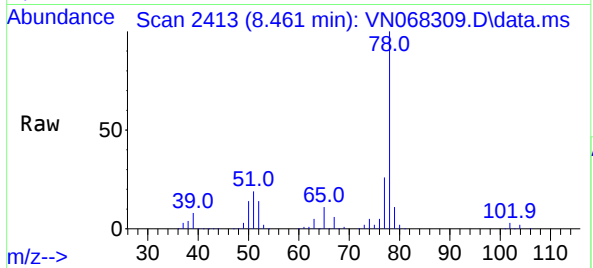
#40
Benzene
Concen: 37.564 ug/l
RT: 8.461 min Scan# 2413
Delta R.T. 0.000 min
Lab File: VN068309.D
Acq: 25 Aug 2021 19:20

Tgt Ion: 78 Resp: 884591
Ion Ratio Lower Upper
78 100
77 26.0 18.9 28.3

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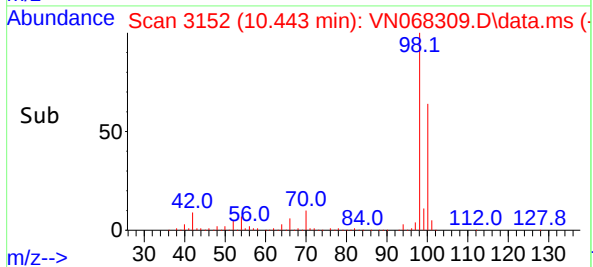
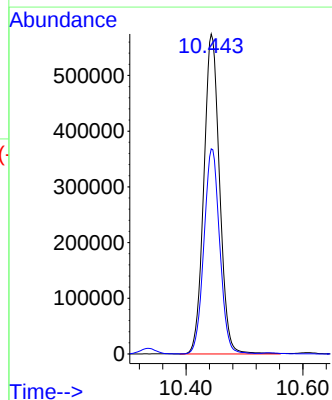
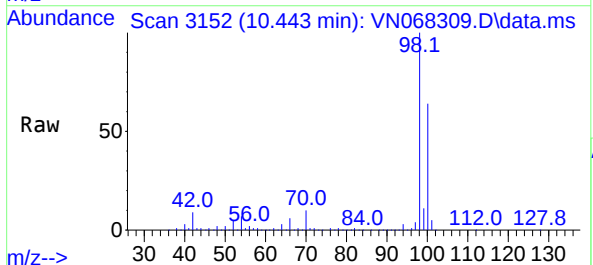
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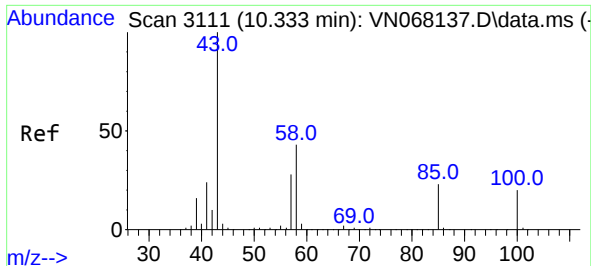
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#50
Toluene-d8
Concen: 47.648 ug/l
RT: 10.443 min Scan# 3152
Delta R.T. 0.000 min
Lab File: VN068309.D
Acq: 25 Aug 2021 19:20

Tgt Ion: 98 Resp: 1075835
Ion Ratio Lower Upper
98 100
100 64.1 51.7 77.5





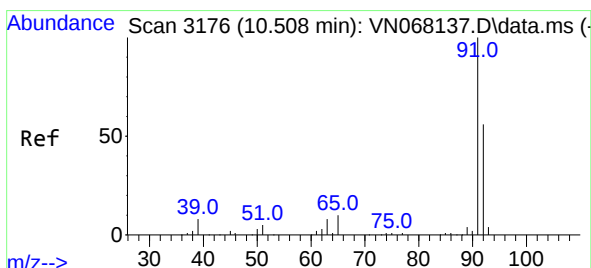
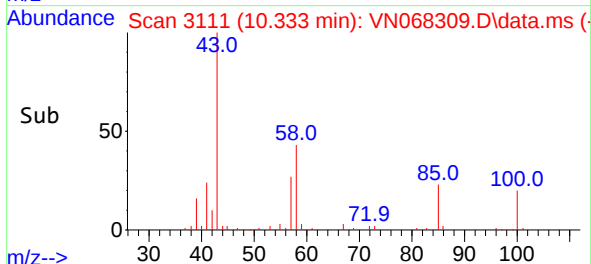
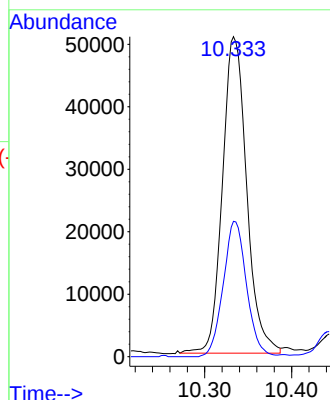
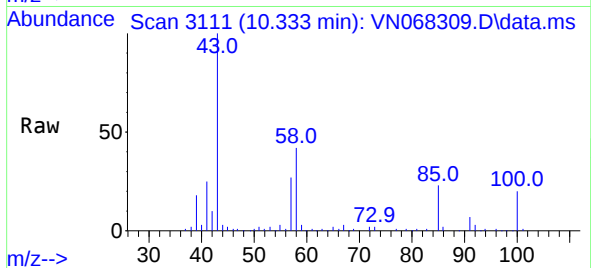
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4-Methyl-2-Pentanone
Concen: 15.171 ug/l
RT: 10.333 min Scan# 3111
Delta R.T. 0.000 min
Lab File: VN068309.D
Acq: 25 Aug 2021 19:20

Tgt Ion: 43 Resp: 98120
Ion Ratio Lower Upper
43 100
58 41.1 28.6 43.0

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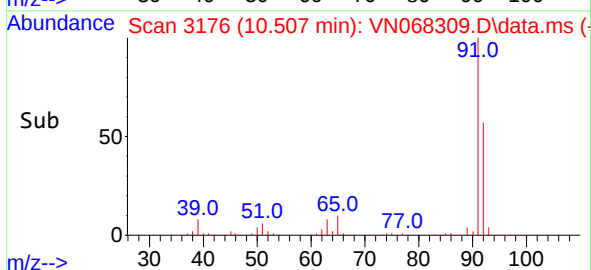
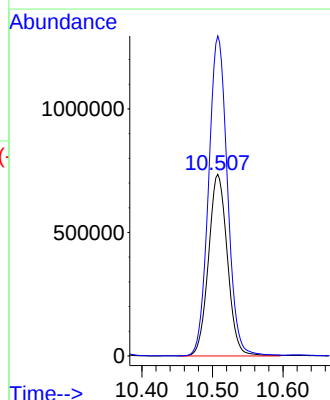
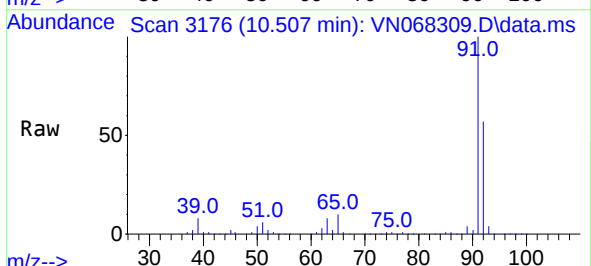
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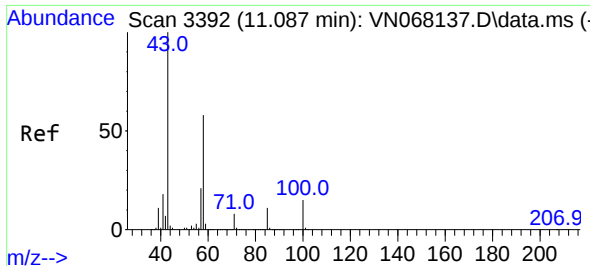
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#52
Toluene
Concen: 85.111 ug/l
RT: 10.507 min Scan# 3176
Delta R.T. -0.001 min
Lab File: VN068309.D
Acq: 25 Aug 2021 19:20

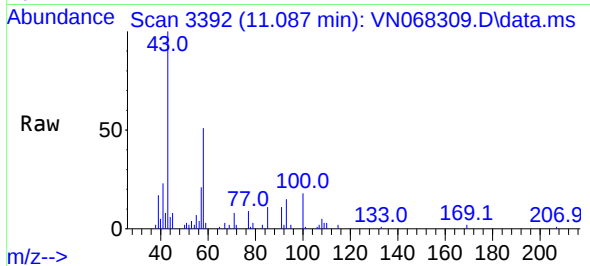
Tgt Ion: 92 Resp: 1366359
Ion Ratio Lower Upper
92 100
91 176.0 139.6 209.4





#59
2-Hexanone
Concen: 4.812 ug/l
RT: 11.087 min Scan# 3392
Delta R.T. -0.000 min
Lab File: VN068309.D
Acq: 25 Aug 2021 19:20

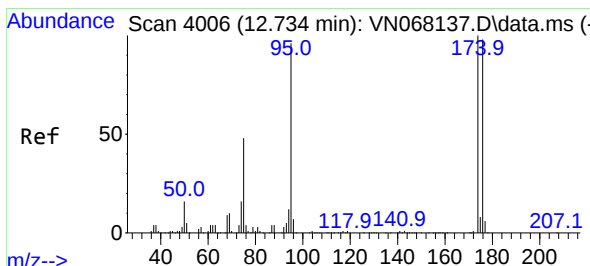
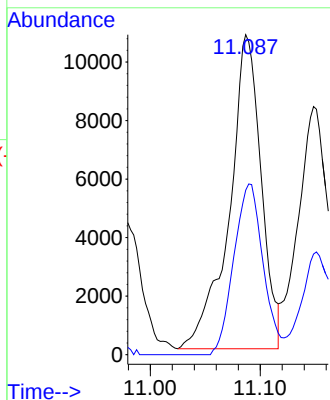
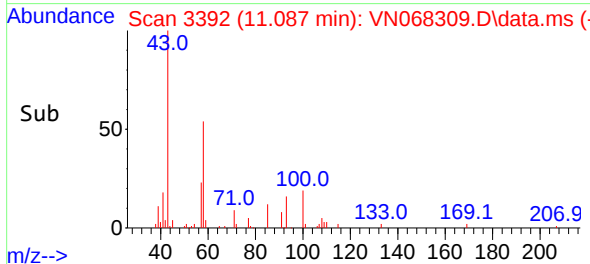
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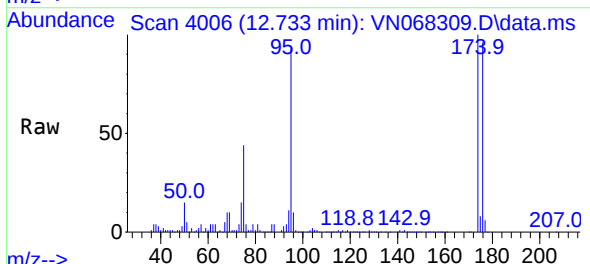
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Ion Ratio Lower Upper
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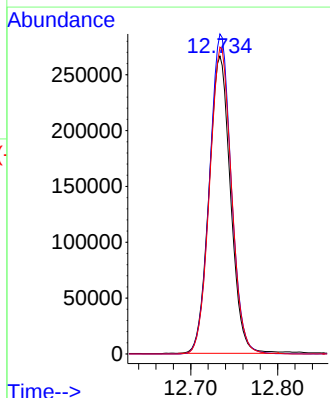
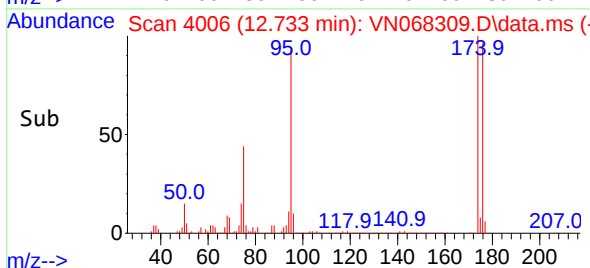
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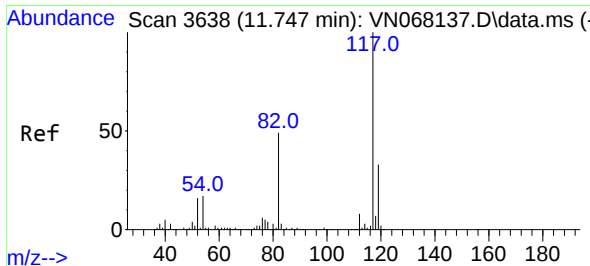


#62
4-Bromofluorobenzene
Concen: 60.989 ug/l
RT: 12.733 min Scan# 4006
Delta R.T. -0.001 min
Lab File: VN068309.D
Acq: 25 Aug 2021 19:20



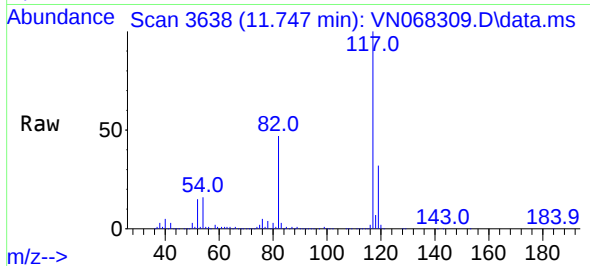
Tgt Ion: 95 Resp: 458414
Ion Ratio Lower Upper
95 100
174 108.0 0.0 122.0
176 104.4 0.0 117.6





#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 11.747 min Scan# 3638
Delta R.T. -0.000 min
Lab File: VN068309.D
Acq: 25 Aug 2021 19:20

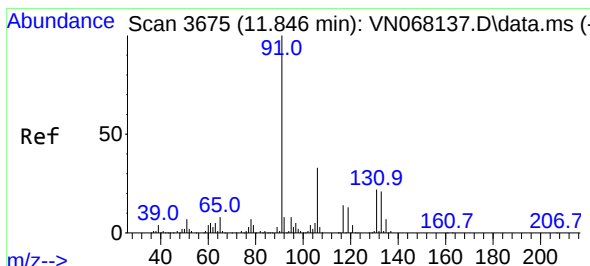
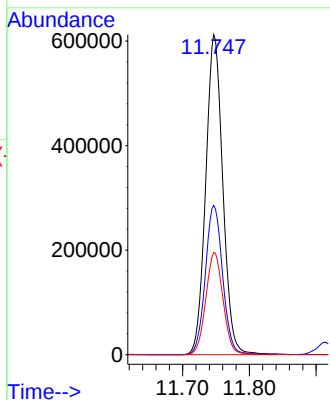
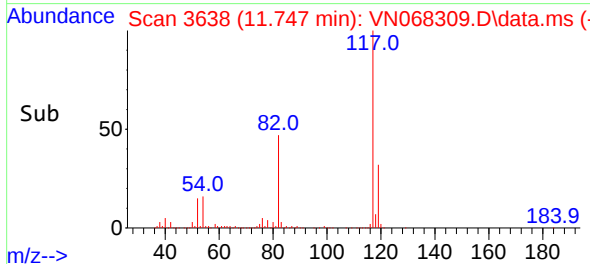
Instrument :
MSVOA_N
ClientSampled :
31114



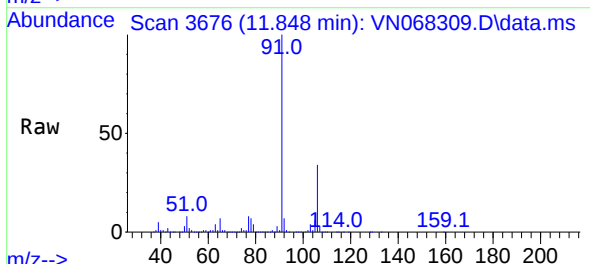
Tgt Ion:117 Resp: 1088876
Ion Ratio Lower Upper
117 100
82 46.7 53.1 79.7#
119 32.0 25.5 38.3

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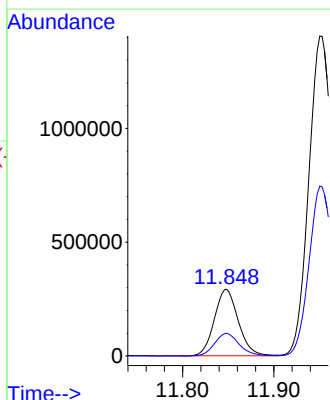
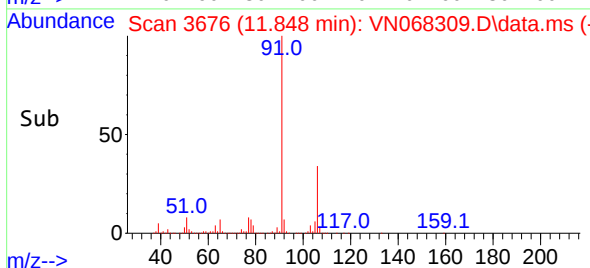
MMDadoda
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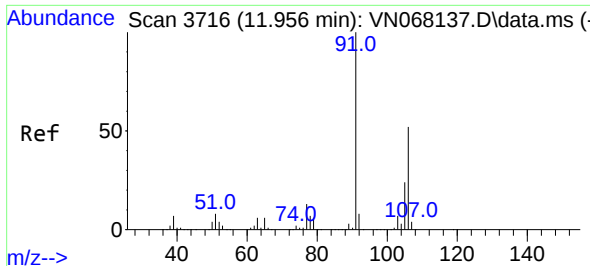


#67
Ethyl Benzene
Concen: 14.537 ug/l
RT: 11.848 min Scan# 3676
Delta R.T. 0.002 min
Lab File: VN068309.D
Acq: 25 Aug 2021 19:20

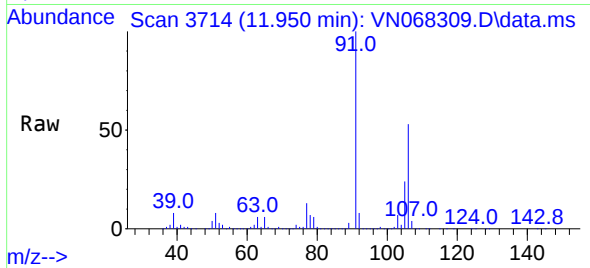


Tgt Ion: 91 Resp: 534585
Ion Ratio Lower Upper
91 100
106 34.0 23.4 35.0

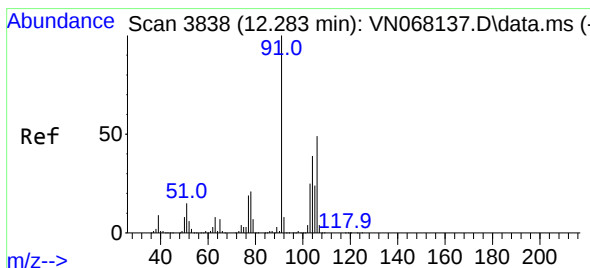
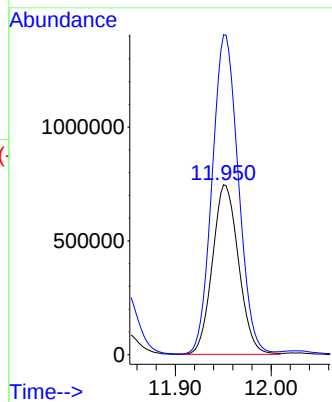
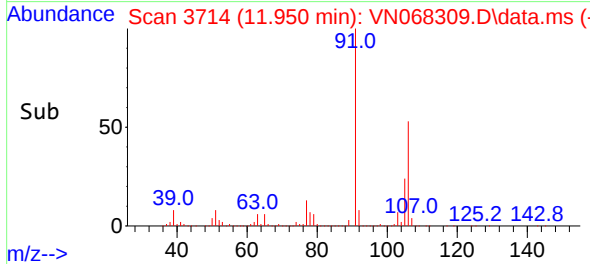




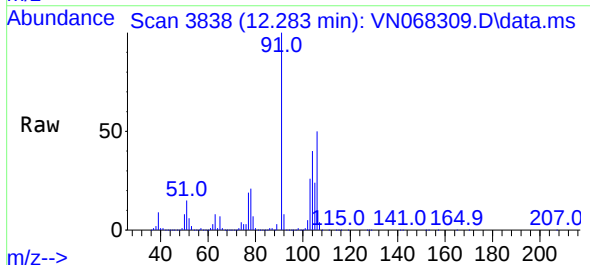
#68
m/p-Xylenes
Concen: 95.890 ug/l
RT: 11.950 min Scan# 3714
Delta R.T. -0.006 min
Lab File: VN068309.D
Acq: 25 Aug 2021 19:20



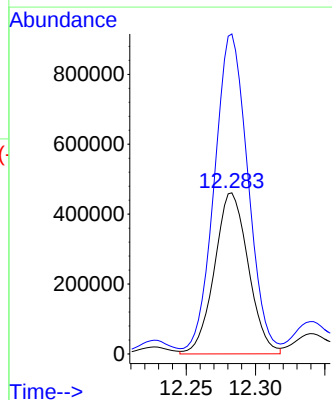
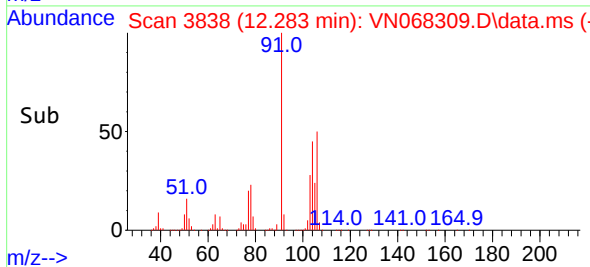
Tgt Ion:106 Resp: 1410640
Ion Ratio Lower Upper
106 100
91 188.7 180.6 270.8



#69
o-Xylene
Concen: 55.047 ug/l
RT: 12.283 min Scan# 3838
Delta R.T. -0.000 min
Lab File: VN068309.D
Acq: 25 Aug 2021 19:20



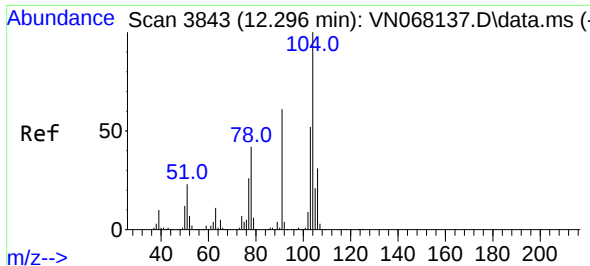
Tgt Ion:106 Resp: 782438
Ion Ratio Lower Upper
106 100
91 189.9 118.3 354.9



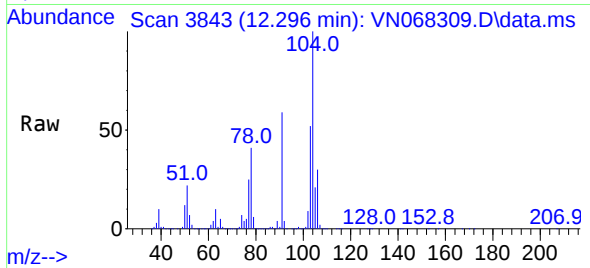
Instrument :
MSVOA_N
ClientSampled :
31114

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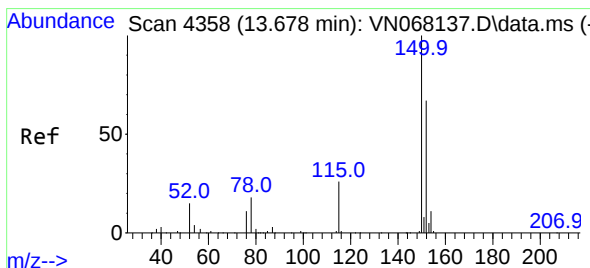
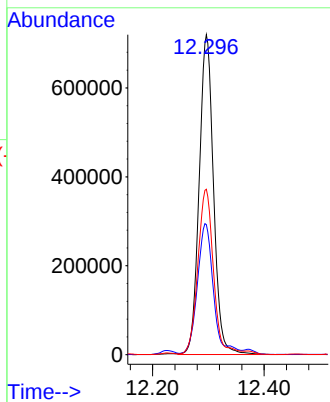
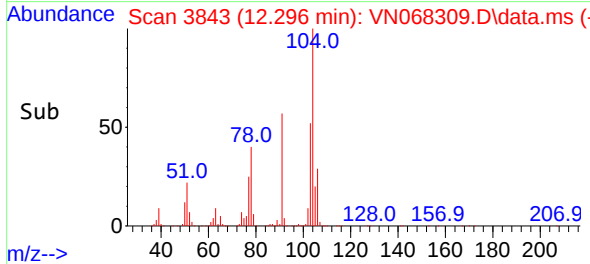
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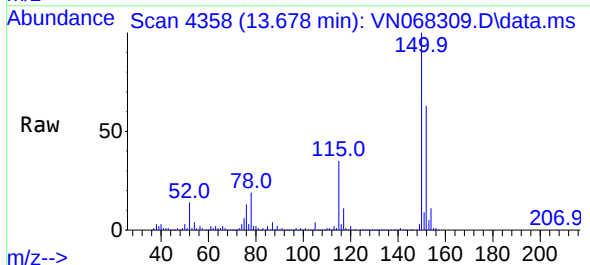
#70
Styrene
Concen: 56.595 ug/l
RT: 12.296 min Scan# 3843
Delta R.T. 0.000 min
Lab File: VN068309.D
Acq: 25 Aug 2021 19:20



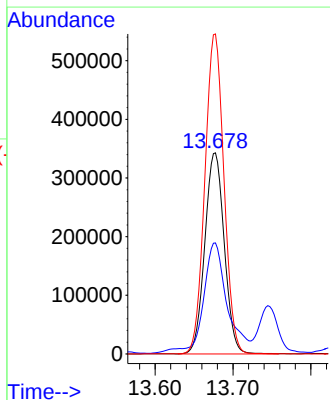
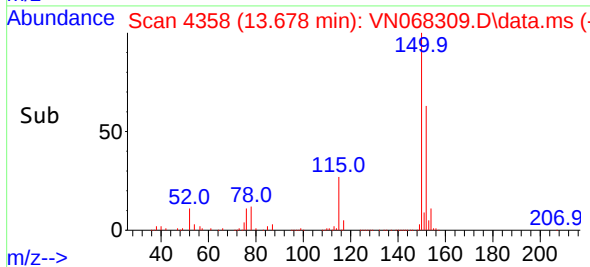
Tgt Ion:104 Resp: 1287622
Ion Ratio Lower Upper
104 100
78 44.6 48.2 72.2#
103 55.4 44.5 66.7



#72
1,4-Dichlorobenzene-d4
Concen: 50.000 ug/l
RT: 13.678 min Scan# 4358
Delta R.T. -0.000 min
Lab File: VN068309.D
Acq: 25 Aug 2021 19:20



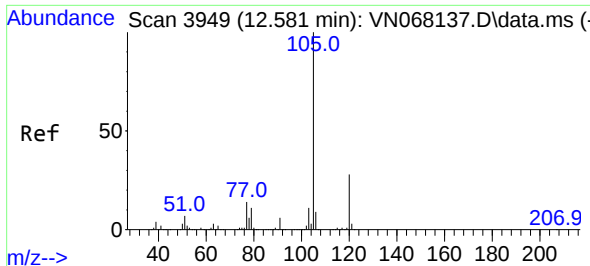
Tgt Ion:152 Resp: 597607
Ion Ratio Lower Upper
152 100
115 67.1 36.1 108.5
150 155.3 0.0 351.8



Instrument :
MSVOA_N
ClientSampled :
31114

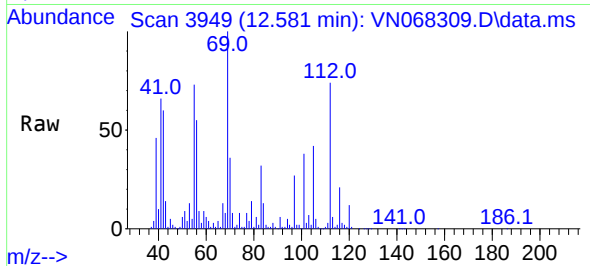
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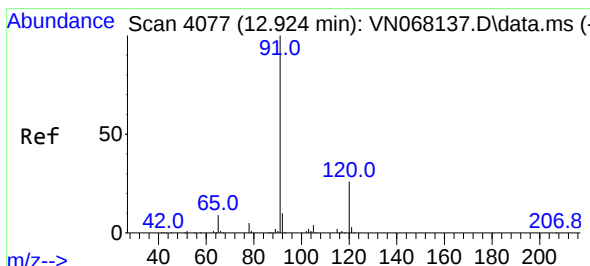
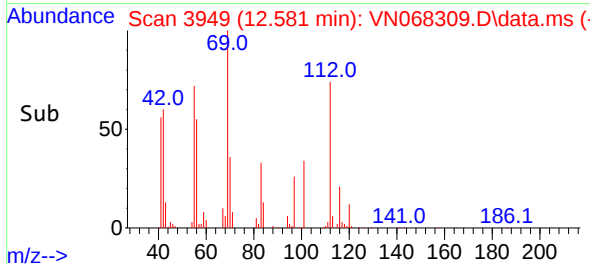
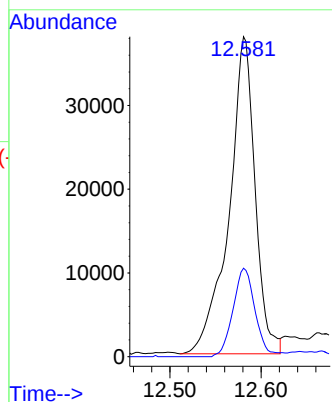


#73
Isopropylbenzene
Concen: 1.775 ug/l
RT: 12.581 min Scan# 3949
Delta R.T. -0.000 min
Lab File: VN068309.D
Acq: 25 Aug 2021 19:20

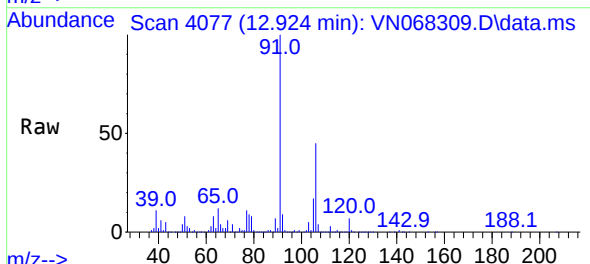
Instrument :
MSVOA_N
ClientSampled :
31114



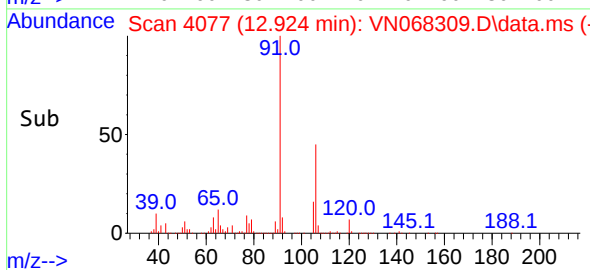
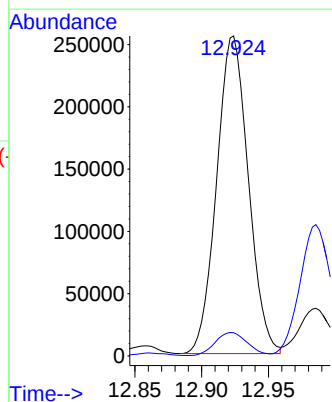
Tgt Ion:105 Resp: 75423
Ion Ratio Lower Upper
105 100
120 23.8 12.5 37.5

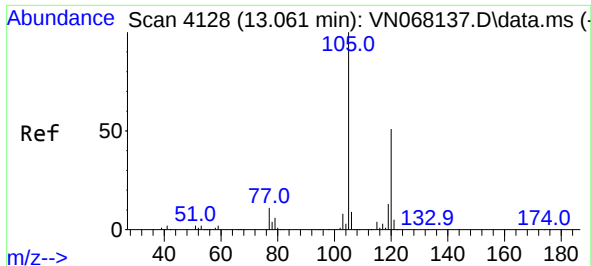


#78
n-propylbenzene
Concen: 9.244 ug/l
RT: 12.924 min Scan# 4077
Delta R.T. -0.000 min
Lab File: VN068309.D
Acq: 25 Aug 2021 19:20



Tgt Ion: 91 Resp: 421436
Ion Ratio Lower Upper
91 100
120 7.3 10.4 31.4#





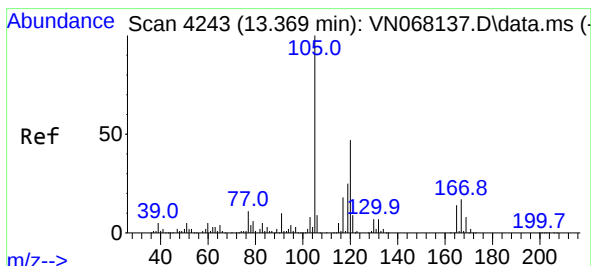
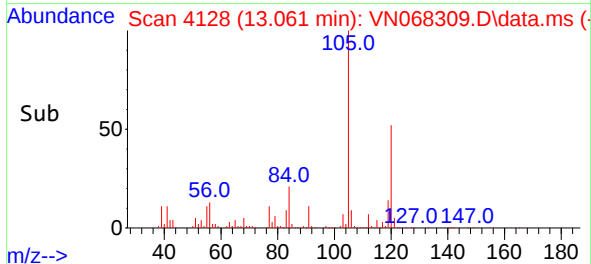
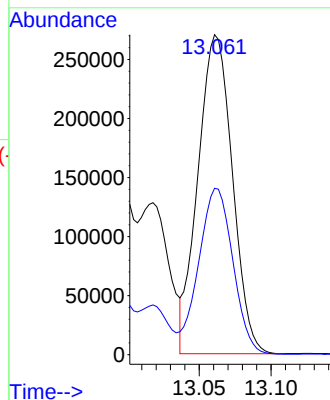
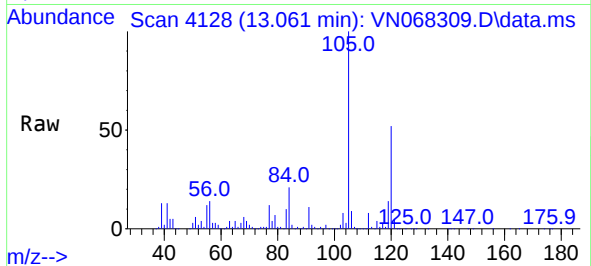
#80
1,3,5-Trimethylbenzene
Concen: 13.077 ug/l
RT: 13.061 min Scan# 4128
Delta R.T. -0.000 min
Lab File: VN068309.D
Acq: 25 Aug 2021 19:20

Tgt Ion:105 Resp: 449649
Ion Ratio Lower Upper
105 100
120 52.1 22.2 66.6

Instrument :
MSVOA_N
ClientSampled :
31114

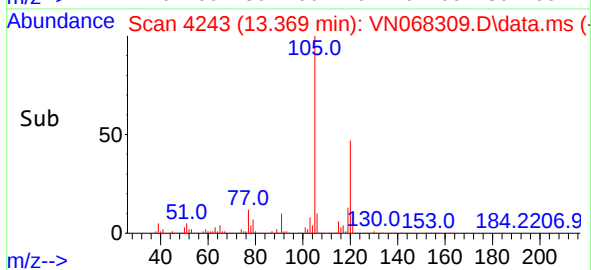
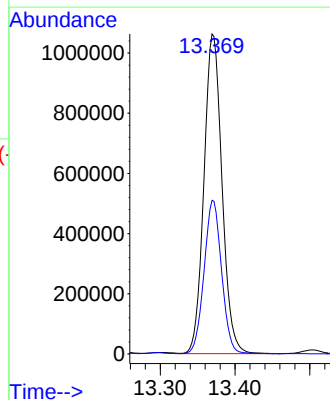
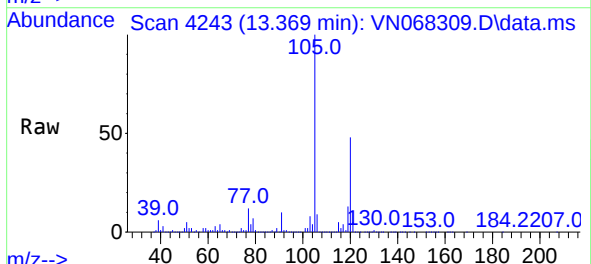
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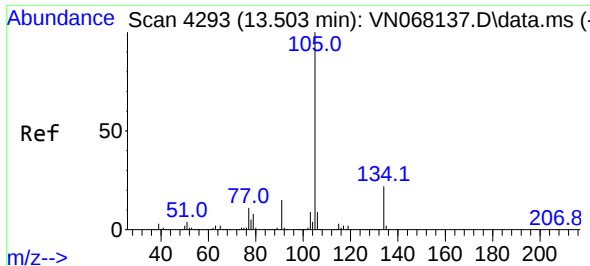
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#84
1,2,4-Trimethylbenzene
Concen: 53.165 ug/l
RT: 13.369 min Scan# 4243
Delta R.T. 0.000 min
Lab File: VN068309.D
Acq: 25 Aug 2021 19:20

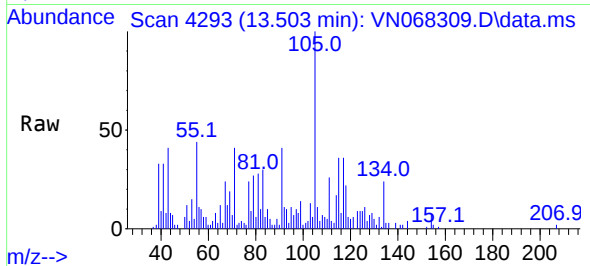
Tgt Ion:105 Resp: 1784500
Ion Ratio Lower Upper
105 100
120 46.4 20.6 61.8





#85
 sec-Butylbenzene
 Concen: 0.613 ug/l m
 RT: 13.503 min Scan# 4293
 Delta R.T. 0.000 min
 Lab File: VN068309.D
 Acq: 25 Aug 2021 19:20

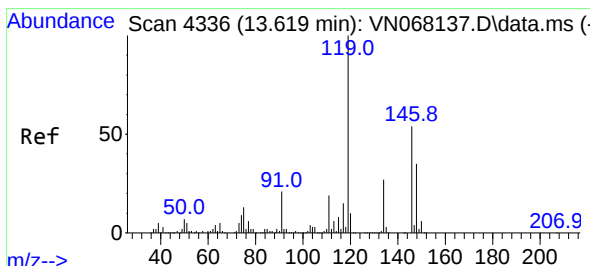
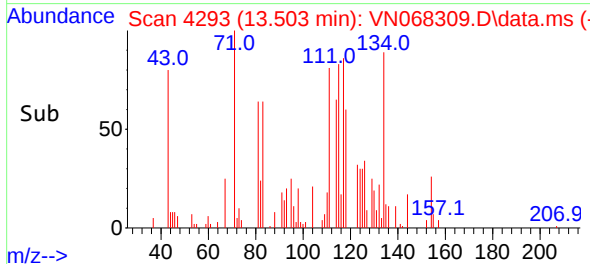
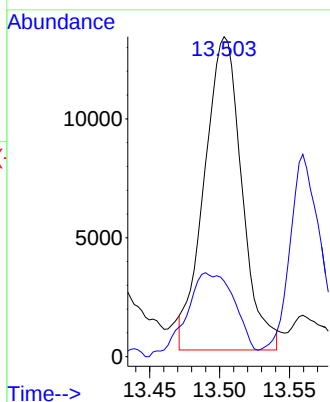
Instrument :
 MSVOA_N
 ClientSampled :
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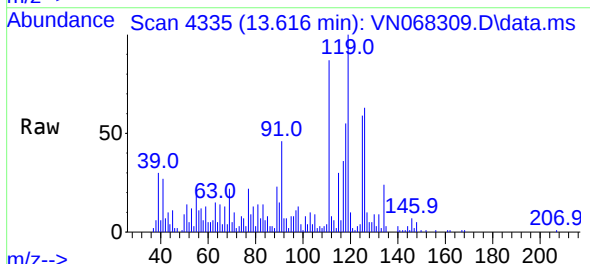
Tgt Ion:105 Resp: 24634
 Ion Ratio Lower Upper
 105 100
 134 1.6 9.0 27.1#

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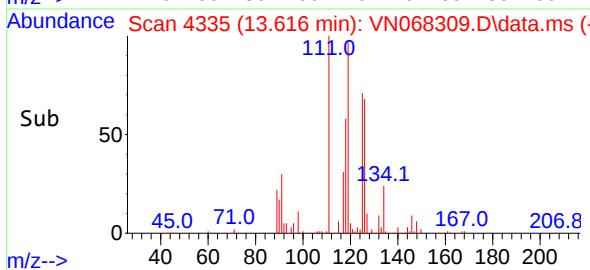
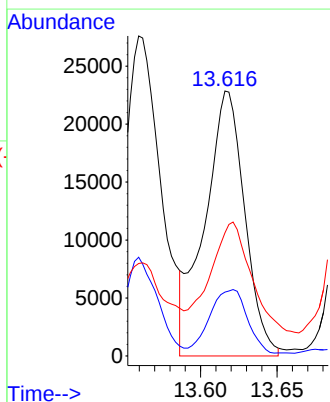
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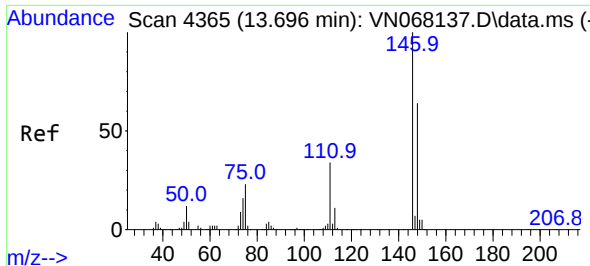


#86
 p-Isopropyltoluene
 Concen: 1.256 ug/l m
 RT: 13.616 min Scan# 4335
 Delta R.T. -0.003 min
 Lab File: VN068309.D
 Acq: 25 Aug 2021 19:20



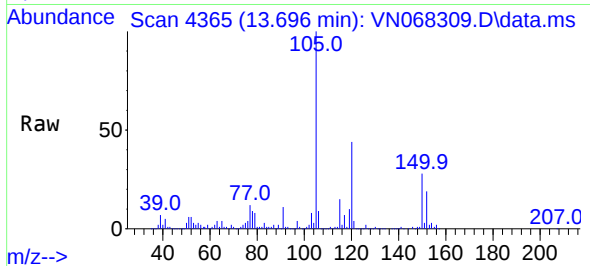
Tgt Ion:119 Resp: 41675
 Ion Ratio Lower Upper
 119 100
 134 30.6 12.4 37.4
 91 28.2 14.8 44.3





#88
1,4-Dichlorobenzene
Concen: 0.285 ug/l
RT: 13.696 min Scan# 4365
Delta R.T. 0.000 min
Lab File: VN068309.D
Acq: 25 Aug 2021 19:20

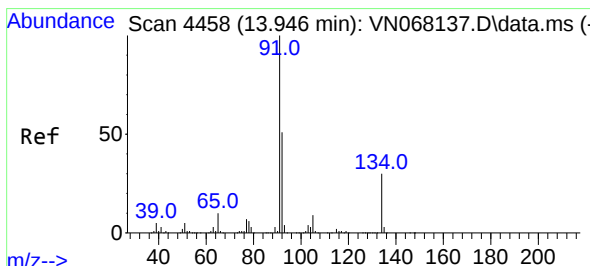
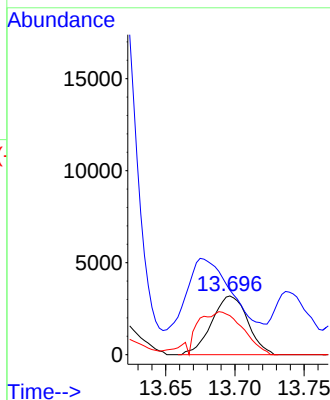
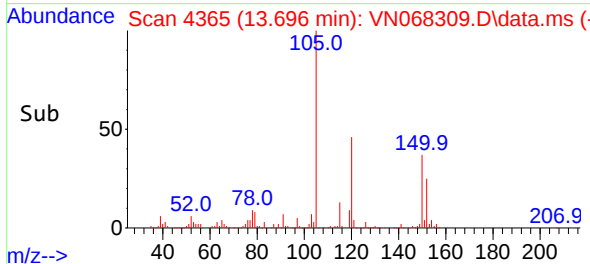
Instrument :
MSVOA_N
ClientSampled :
31114



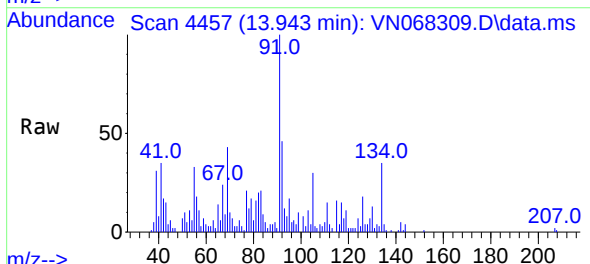
Tgt Ion:146 Resp: 5774
Ion Ratio Lower Upper
146 100
111 0.0 23.4 70.2#
148 96.9 31.8 95.3#

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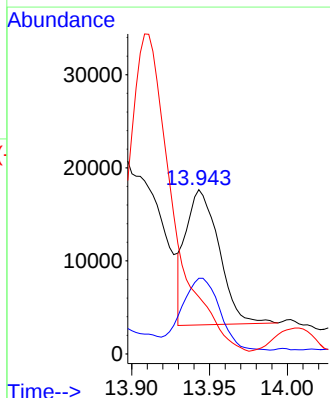
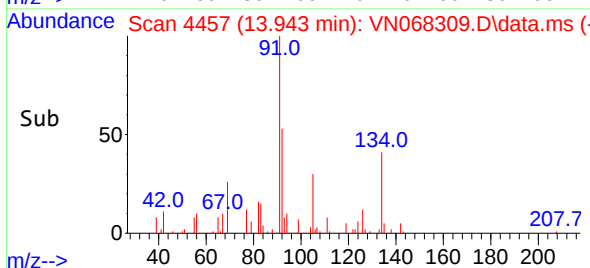
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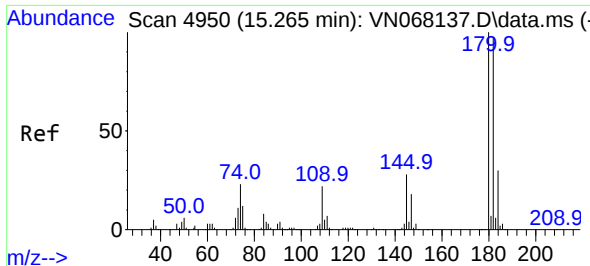


#89
n-Butylbenzene
Concen: 0.868 ug/l
RT: 13.943 min Scan# 4457
Delta R.T. -0.003 min
Lab File: VN068309.D
Acq: 25 Aug 2021 19:20



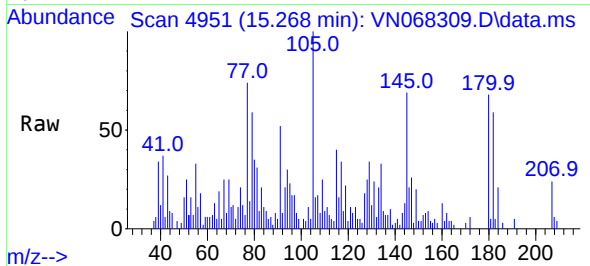
Tgt Ion: 91 Resp: 21483
Ion Ratio Lower Upper
91 100
92 61.4 25.7 77.1
134 0.0 11.2 33.6#





#93
1,2,4-Trichlorobenzene
Concen: 3.566 ug/l
RT: 15.268 min Scan# 4951
Delta R.T. 0.003 min
Lab File: VN068309.D
Acq: 25 Aug 2021 19:20

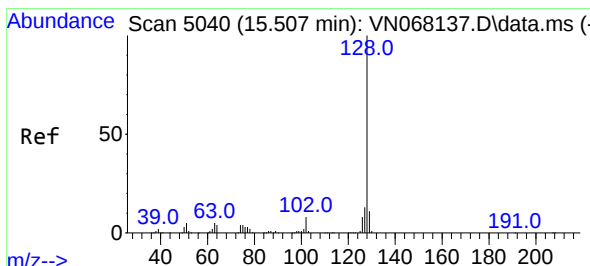
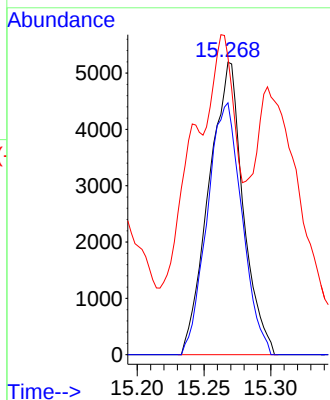
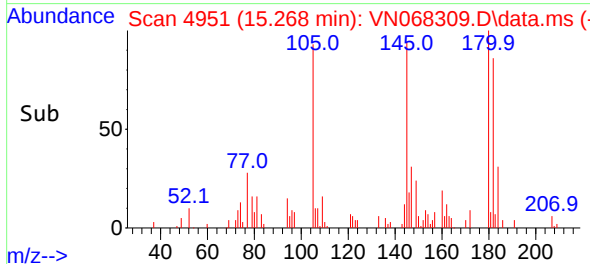
Instrument :
MSVOA_N
ClientSampled :
31114



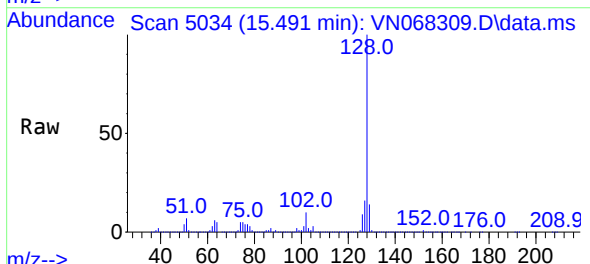
Tgt Ion:180 Resp: 9282
Ion Ratio Lower Upper
180 100
182 87.2 47.5 142.5
145 77.0 17.2 51.6#

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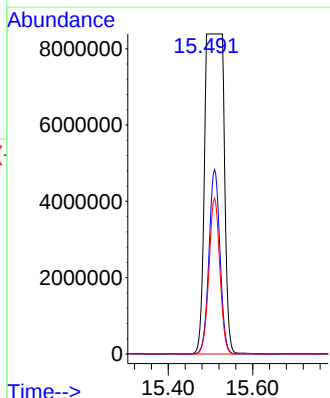
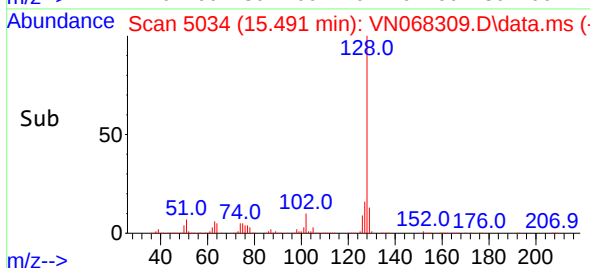
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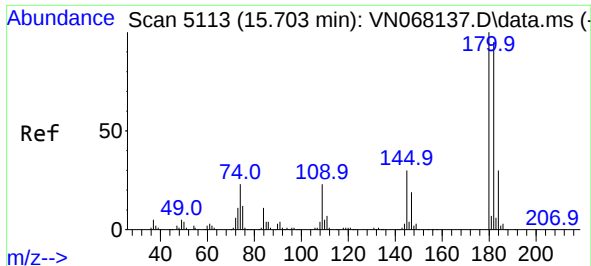


#95
Naphthalene
Concen: 1059.489 ug/l m
RT: 15.491 min Scan# 5034
Delta R.T. -0.016 min
Lab File: VN068309.D
Acq: 25 Aug 2021 19:20



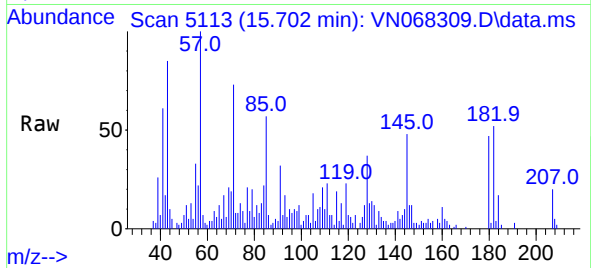
Tgt Ion:128 Resp:26551293
Ion Ratio Lower Upper
128 100
127 0.0 10.6 15.8#
129 0.0 8.6 12.8#





#96
 1,2,3-Trichlorobenzene
 Concen: 3.920 ug/l
 RT: 15.702 min Scan# 5113
 Delta R.T. -0.001 min
 Lab File: VN068309.D
 Acq: 25 Aug 2021 19:20

Instrument :
 MSVOA_N
 ClientSampleId :
 31114



Tgt Ion:180 Resp: 10920
 Ion Ratio Lower Upper
 180 100
 182 98.4 47.8 143.3
 145 0.0 18.2 54.6#

Manual Integrations
 APPROVED

MMDadoda
 8/26/2021 9:06:07 AM

