

Data Path : Z:\voasrv\HPCHEM1\MSVOA_N\Data\VN082521\
 Data File : VN068312.D
 Acq On : 25 Aug 2021 20:34
 Operator : JC/MD
 Sample : M3529-05
 Misc : 5.00mL/MSVOA_N/WATER
 ALS Vial : 25 Sample Multiplier: 1

Instrument :
 MSVOA_N
 ClientSampleId :
 31117

Manual Integrations
 APPROVED

MMDadoda
 8/26/2021 9:06:19 AM

8/26/2021 9:06:19 AM

8/26/2021 9:06:19 AM

Quant Time: Aug 26 05:41:16 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	792519	50.000	ug/l	# 0.00
34) 1,4-Difluorobenzene	8.971	114	1148473	50.000	ug/l	0.00
63) Chlorobenzene-d5	11.747	117	1228026	50.000	ug/l	# 0.00
72) 1,4-Dichlorobenzene-d4	13.678	152	706977	50.000	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	8.453	65	390837	46.188	ug/l	0.01
Spiked Amount 50.000	Range 61 - 141		Recovery =	92.380%		
35) Dibromofluoromethane	8.024	113	287723	39.904	ug/l	0.00
Spiked Amount 50.000	Range 69 - 133		Recovery =	79.800%		
50) Toluene-d8	10.446	98	1219157	44.375	ug/l	0.00
Spiked Amount 50.000	Range 65 - 126		Recovery =	88.740%		
62) 4-Bromofluorobenzene	12.733	95	522976	57.181	ug/l	0.00
Spiked Amount 50.000	Range 58 - 135		Recovery =	114.360%		
Target Compounds						Qvalue
11) Tert butyl alcohol	5.388	59	66413	62.935	ug/l	# 86
15) Acrylonitrile	5.565	53	21407	7.200	ug/l	# 89
16) Acetone	4.291	43	561403	227.231	ug/l	# 83
17) Carbon Disulfide	4.532	76	7813m	0.470	ug/l	
18) Methyl Acetate	4.865	43	46515	4.427	ug/l	# 86
25) 2-Butanone	7.343	43	311411	80.880	ug/l	# 84
39) Methylcyclohexane	9.461	83	29801	2.811	ug/l	# 77
40) Benzene	8.440	78	34594988m	1207.302	ug/l	
51) 4-Methyl-2-Pentanone	10.339	43	48043	6.105	ug/l	88
52) Toluene	10.494	92	26024308m	1332.213	ug/l	
59) 2-Hexanone	11.089	43	28754	5.262	ug/l	96
67) Ethyl Benzene	11.848	91	10334067	249.169	ug/l	90
68) m/p-Xylenes	11.942	106	21045618m	1268.498	ug/l	
69) o-Xylene	12.275	106	19796179m	1234.906	ug/l	
73) Isopropylbenzene	12.581	105	638331	12.695	ug/l	93
78) n-propylbenzene	12.921	91	1862549	34.532	ug/l	95
80) 1,3,5-Trimethylbenzene	13.061	105	7446163	183.060	ug/l	90
84) 1,2,4-Trimethylbenzene	13.361	105	18628374m	469.132	ug/l	
85) sec-Butylbenzene	13.503	105	76212m	1.602	ug/l	
86) p-Isopropyltoluene	13.613	119	128737m	3.279	ug/l	
89) n-Butylbenzene	13.943	91	50231	1.715	ug/l	# 68
95) Naphthalene	15.488	128	33484592m	1129.227	ug/l	

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

Data Path : Z:\voasrv\HPCHEM1\MSVOA_N\Data\VN082521\
Data File : VN068312.D
Acq On : 25 Aug 2021 20:34
Operator : JC/MD
Sample : M3529-05
Misc : 5.00mL/MSVOA_N/WATER
ALS Vial : 25 Sample Multiplier: 1

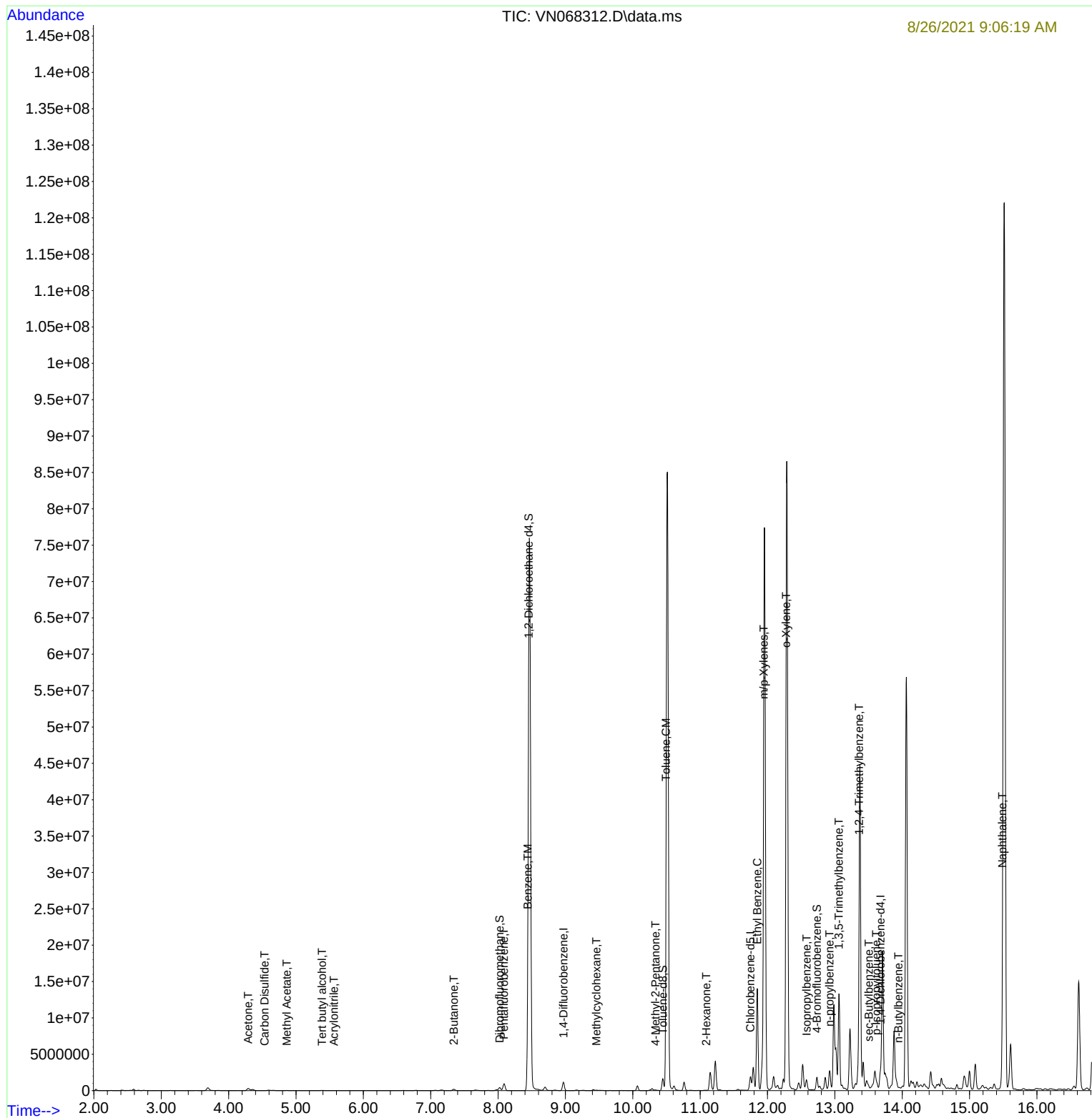
Instrument :
MSVOA_N
ClientSampleId :
31117

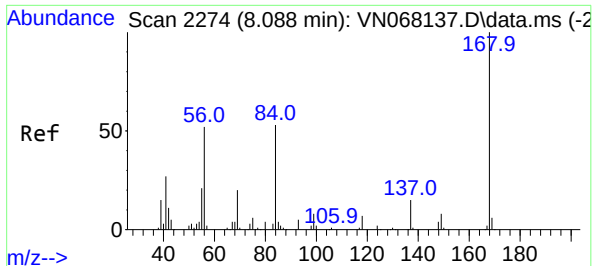
Manual Integrations
APPROVED

MMDadoda
8/26/2021 9:06:19 AM

8/26/2021 9:06:19 AM

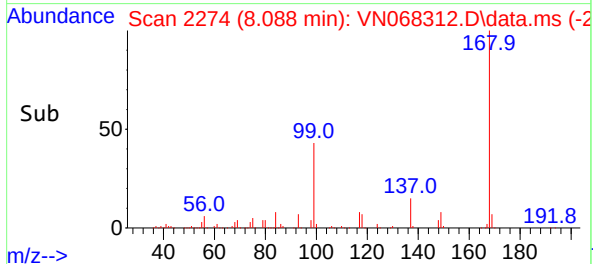
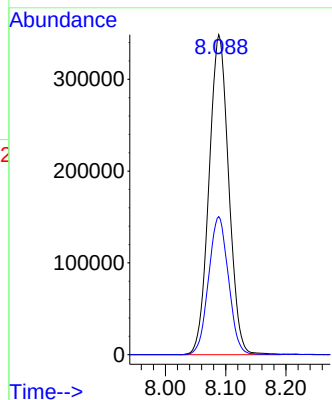
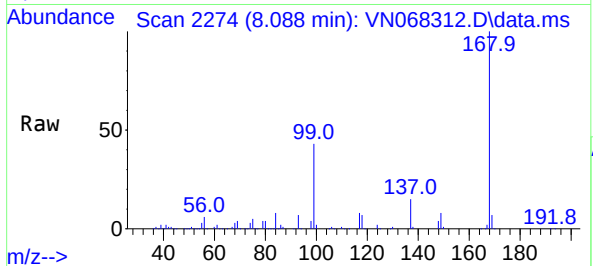
Quant Time: Aug 26 05:41:16 2021
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_N\methods\82N081721W.M
Quant Title : SW846 8260
QLast Update : Tue Aug 17 13:09:49 2021
Response via : Initial Calibration





#1
Pentafluorobenzene
Concen: 50.000 ug/l
RT: 8.088 min Scan# 2274
Delta R.T. 0.000 min
Lab File: VN068312.D
Acq: 25 Aug 2021 20:34

Tgt Ion: 168 Resp: 792519
Ion Ratio Lower Upper
168 100
99 43.2 62.9 94.3#



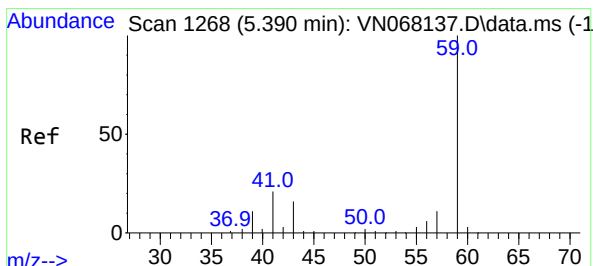
Instrument :
MSVOA_N
ClientSampled :
31117

Manual Integrations
APPROVED

MMDadoda
8/26/2021 9:06:19 AM

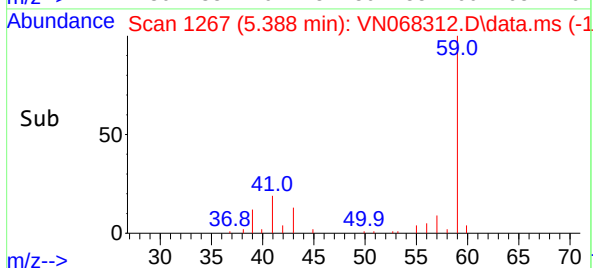
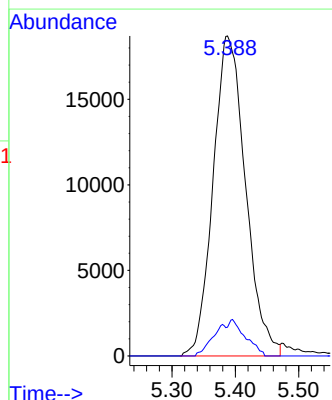
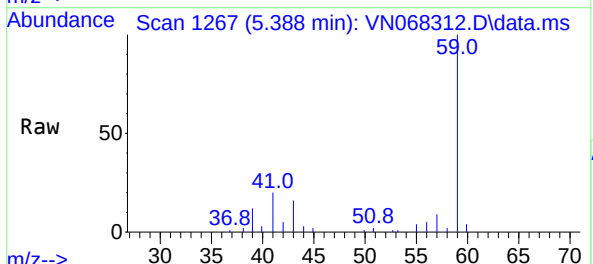
8/26/2021 9:06:19 AM

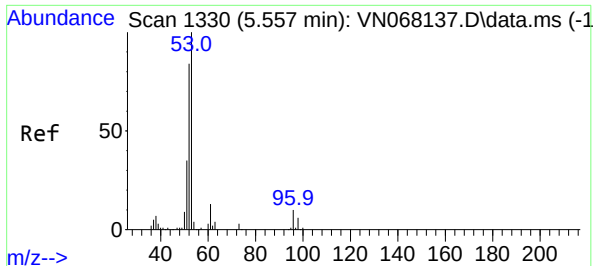
8/26/2021 9:06:19 AM



#11
Tert butyl alcohol
Concen: 62.935 ug/l
RT: 5.388 min Scan# 1267
Delta R.T. -0.002 min
Lab File: VN068312.D
Acq: 25 Aug 2021 20:34

Tgt Ion: 59 Resp: 66413
Ion Ratio Lower Upper
59 100
57 5.8 8.7 13.1#





#15
Acrylonitrile
Concen: 7.200 ug/l
RT: 5.565 min Scan# 1333
Delta R.T. 0.008 min
Lab File: VN068312.D
Acq: 25 Aug 2021 20:34

Tgt Ion:	53	Resp:	21407
Ion	Ratio	Lower	Upper
53	100		
52	82.2	66.2	99.2
51	18.2	30.2	45.4#

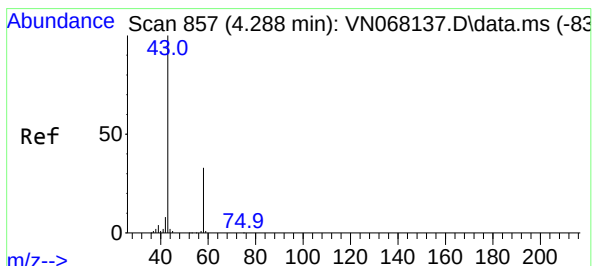
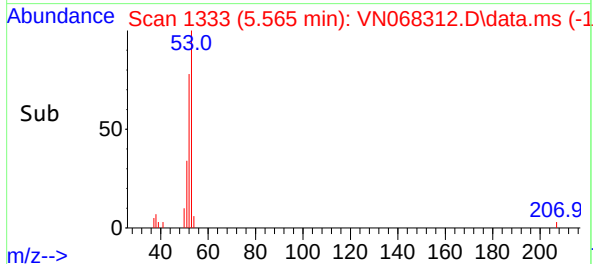
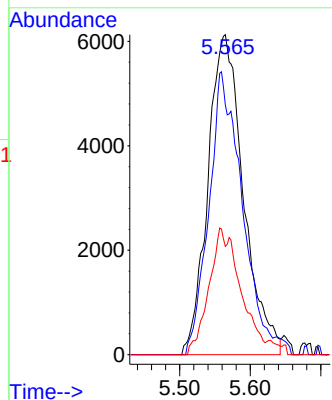
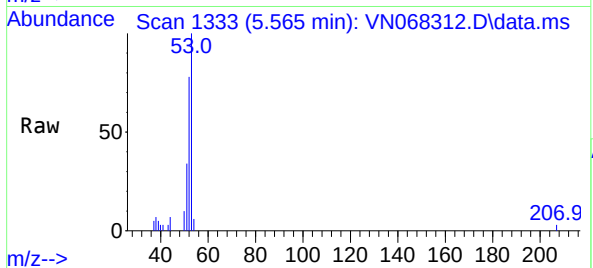
Instrument :
MSVOA_N
ClientSampleId :
31117

Manual Integrations
APPROVED

MMDadoda
8/26/2021 9:06:19 AM

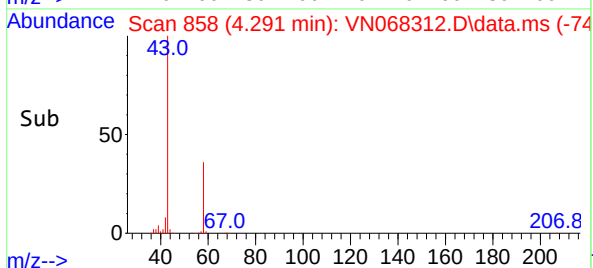
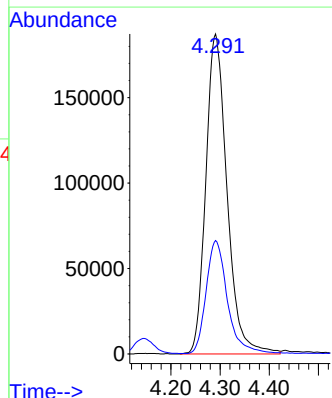
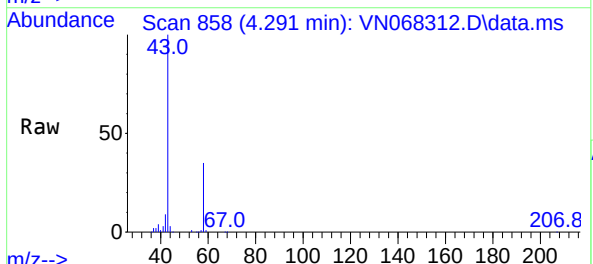
8/26/2021 9:06:19 AM

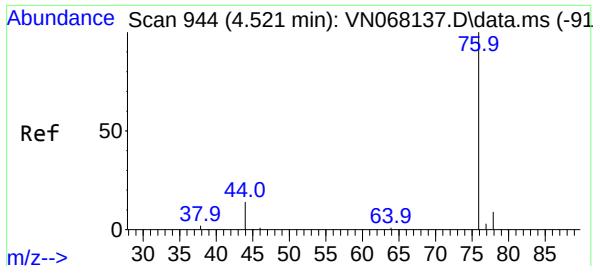
8/26/2021 9:06:19 AM



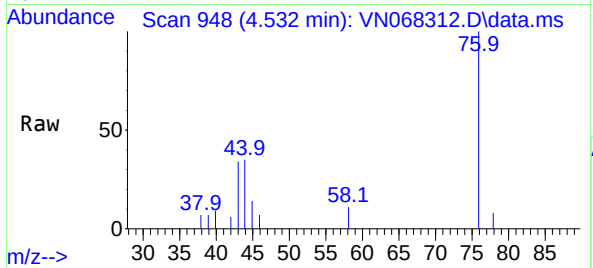
#16
Acetone
Concen: 227.231 ug/l
RT: 4.291 min Scan# 858
Delta R.T. 0.003 min
Lab File: VN068312.D
Acq: 25 Aug 2021 20:34

Tgt Ion:	43	Resp:	561403
Ion	Ratio	Lower	Upper
43	100		
58	35.3	21.2	31.8#

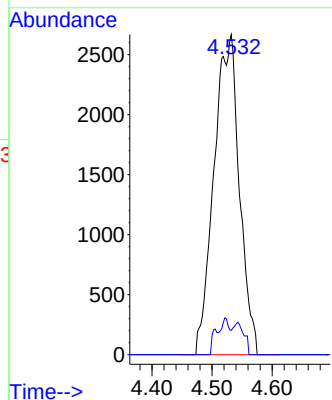




#17
Carbon Disulfide
Concen: 0.470 ug/l m
RT: 4.532 min Scan# 948
Delta R.T. 0.011 min
Lab File: VN068312.D
Acq: 25 Aug 2021 20:34



Tgt Ion: 76 Resp: 7813
Ion Ratio Lower Upper
76 100
78 7.6 7.7 11.5#



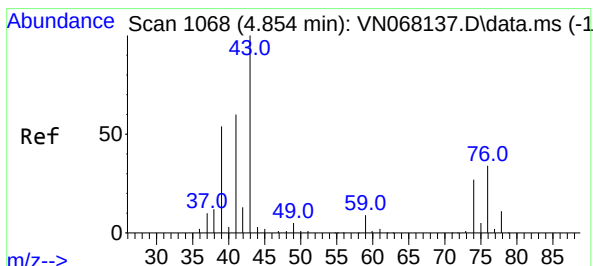
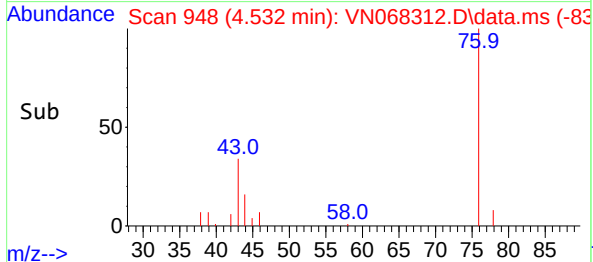
Instrument :
MSVOA_N
ClientSampled :
31117

Manual Integrations
APPROVED

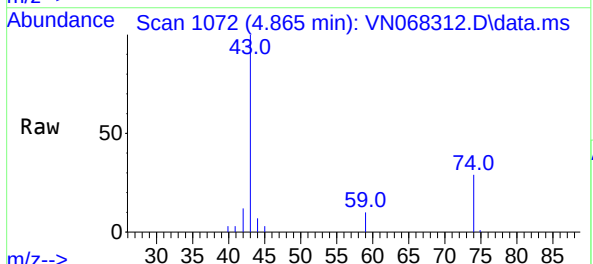
MMDadoda
8/26/2021 9:06:19 AM

8/26/2021 9:06:19 AM

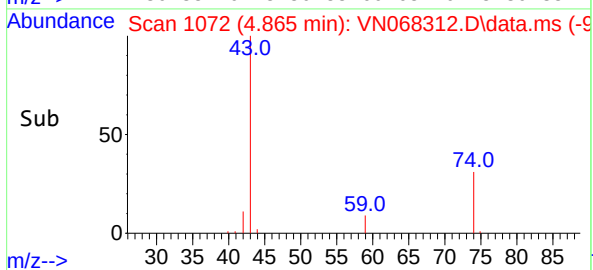
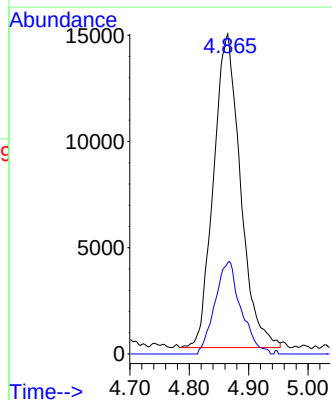
8/26/2021 9:06:19 AM

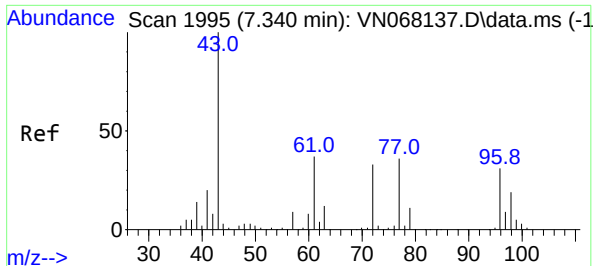


#18
Methyl Acetate
Concen: 4.427 ug/l
RT: 4.865 min Scan# 1072
Delta R.T. 0.011 min
Lab File: VN068312.D
Acq: 25 Aug 2021 20:34



Tgt Ion: 43 Resp: 46515
Ion Ratio Lower Upper
43 100
74 28.4 17.4 26.0#





#25
2-Butanone
Concen: 80.880 ug/l
RT: 7.343 min Scan# 1996
Delta R.T. 0.003 min
Lab File: VN068312.D
Acq: 25 Aug 2021 20:34

Tgt Ion: 43 Resp: 311411
Ion Ratio Lower Upper
43 100
72 32.7 19.7 29.5#

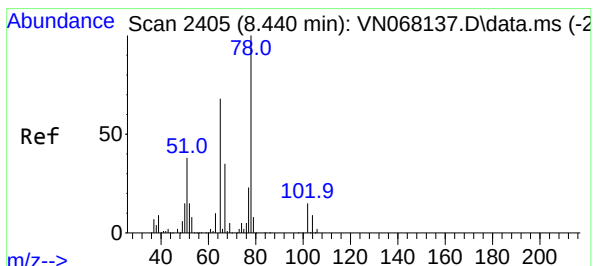
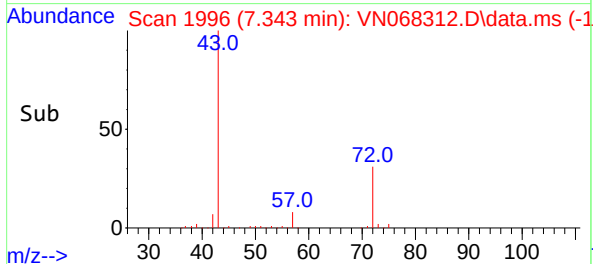
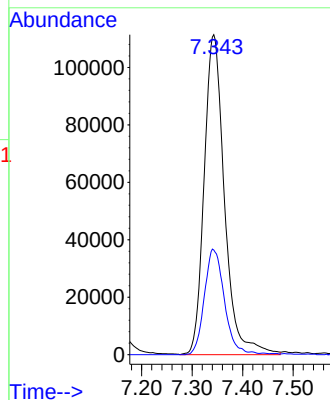
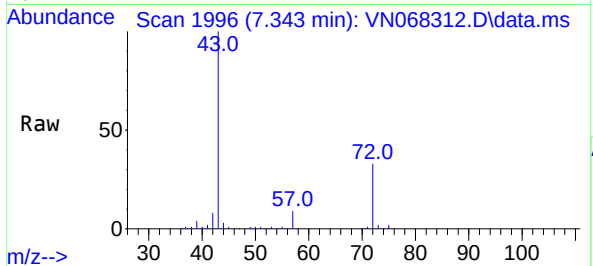
Instrument :
MSVOA_N
ClientSampled :
31117

Manual Integrations
APPROVED

MMDadoda
8/26/2021 9:06:19 AM

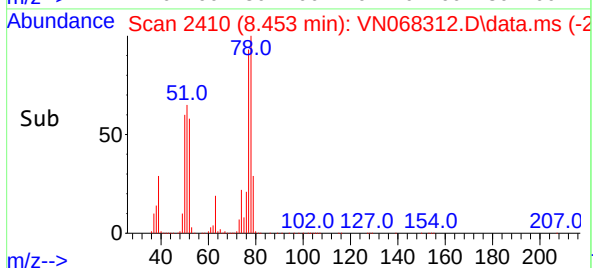
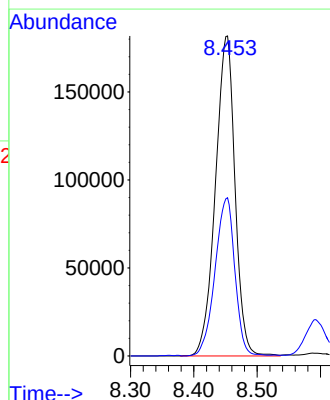
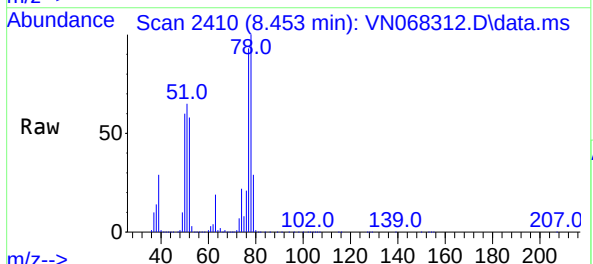
8/26/2021 9:06:19 AM

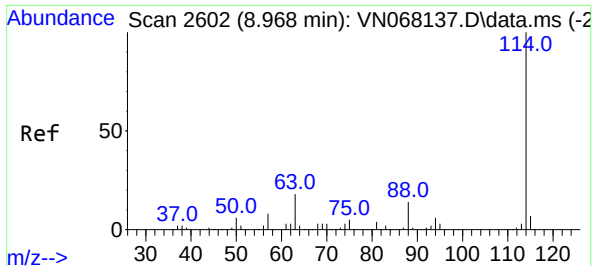
8/26/2021 9:06:19 AM



#33
1,2-Dichloroethane-d4
Concen: 46.188 ug/l
RT: 8.453 min Scan# 2410
Delta R.T. 0.013 min
Lab File: VN068312.D
Acq: 25 Aug 2021 20:34

Tgt Ion: 65 Resp: 390837
Ion Ratio Lower Upper
65 100
67 50.1 0.0 98.6





#34
1,4-Difluorobenzene
Concen: 50.000 ug/l
RT: 8.971 min Scan# 2603
Delta R.T. 0.003 min
Lab File: VN068312.D
Acq: 25 Aug 2021 20:34

Tgt Ion:114 Resp: 1148473
Ion Ratio Lower Upper
114 100
63 15.6 0.0 49.0
88 14.1 0.0 36.6

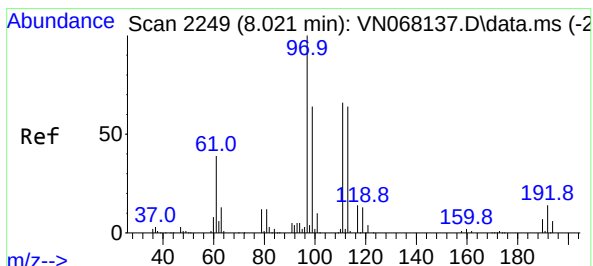
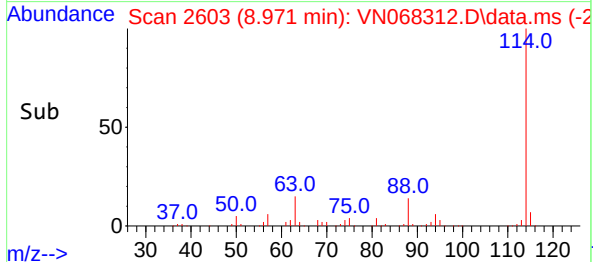
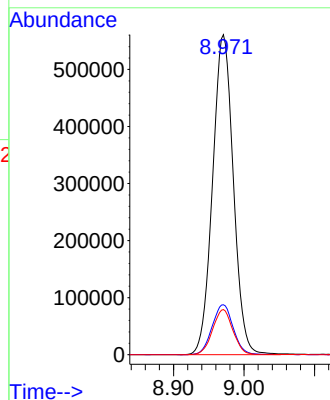
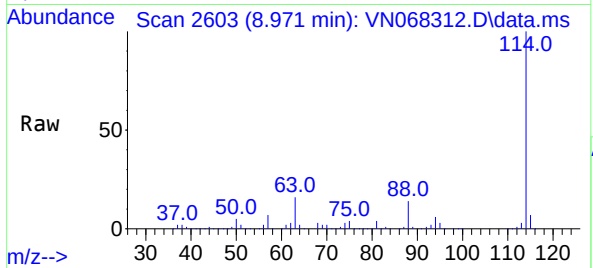
Instrument :
MSVOA_N
ClientSampled :
31117

Manual Integrations
APPROVED

MMDadoda
8/26/2021 9:06:19 AM

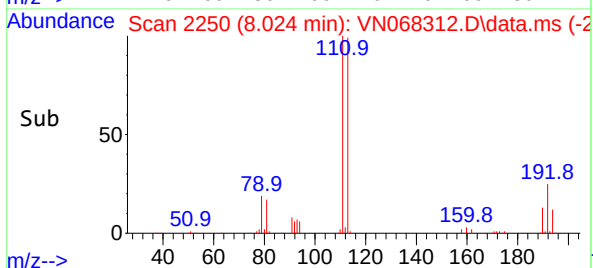
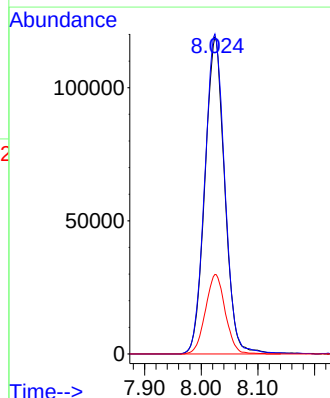
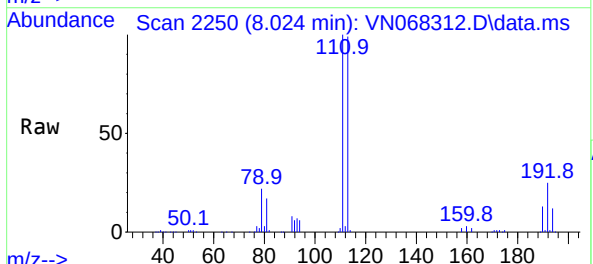
8/26/2021 9:06:19 AM

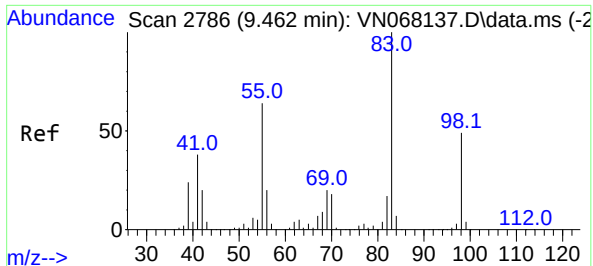
8/26/2021 9:06:19 AM



#35
Dibromofluoromethane
Concen: 39.904 ug/l
RT: 8.024 min Scan# 2250
Delta R.T. 0.003 min
Lab File: VN068312.D
Acq: 25 Aug 2021 20:34

Tgt Ion:113 Resp: 287723
Ion Ratio Lower Upper
113 100
111 102.4 83.8 125.8
192 25.2 13.4 20.0#





#39
Methylcyclohexane
Concen: 2.811 ug/l
RT: 9.461 min Scan# 2786
Delta R.T. -0.001 min
Lab File: VN068312.D
Acq: 25 Aug 2021 20:34

Tgt Ion: 83 Resp: 29801
Ion Ratio Lower Upper
83 100
55 53.2 66.6 99.8#
98 46.6 35.3 52.9

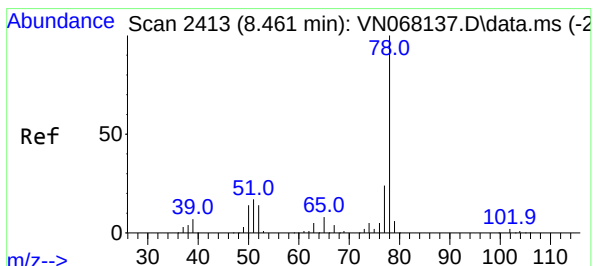
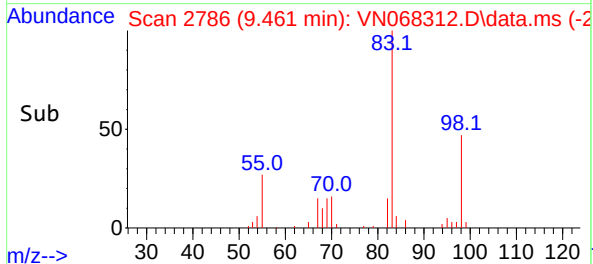
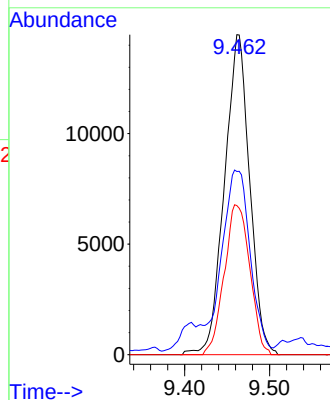
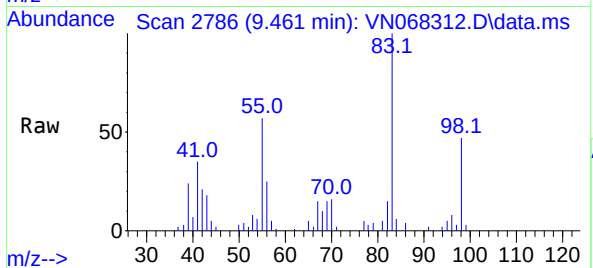
Instrument :
MSVOA_N
ClientSampleId :
31117

Manual Integrations
APPROVED

MMDadoda
8/26/2021 9:06:19 AM

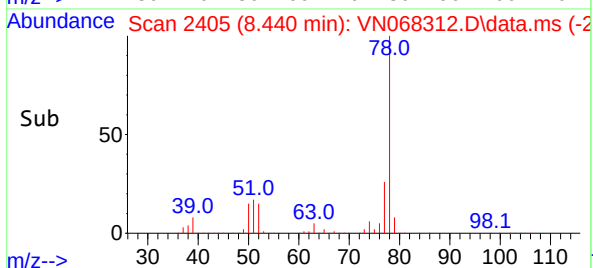
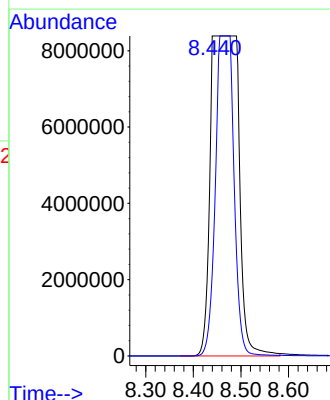
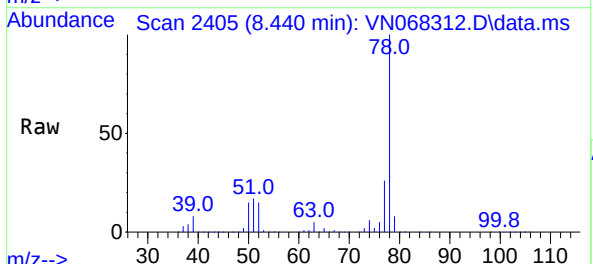
8/26/2021 9:06:19 AM

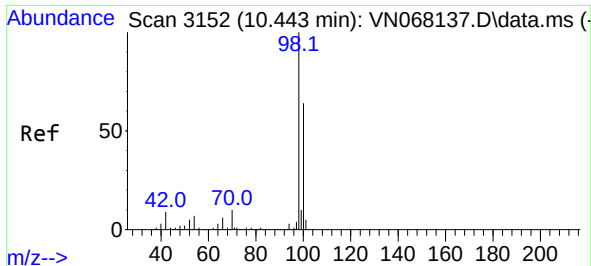
8/26/2021 9:06:19 AM



#40
Benzene
Concen: 1207.302 ug/l m
RT: 8.440 min Scan# 2405
Delta R.T. -0.021 min
Lab File: VN068312.D
Acq: 25 Aug 2021 20:34

Tgt Ion: 78 Resp: 34594988
Ion Ratio Lower Upper
78 100
77 25.6 18.9 28.3





#50
Toluene-d8
Concen: 44.375 ug/l
RT: 10.446 min Scan# 3153
Delta R.T. 0.003 min
Lab File: VN068312.D
Acq: 25 Aug 2021 20:34

Tgt Ion: 98 Resp: 1219157
Ion Ratio Lower Upper
98 100
100 65.0 51.7 77.5

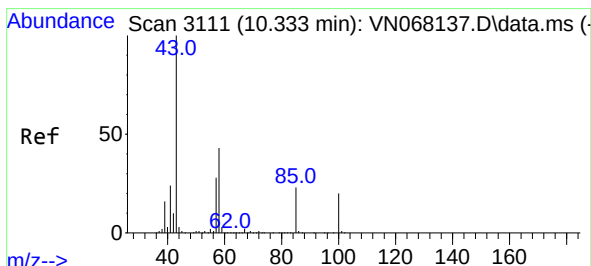
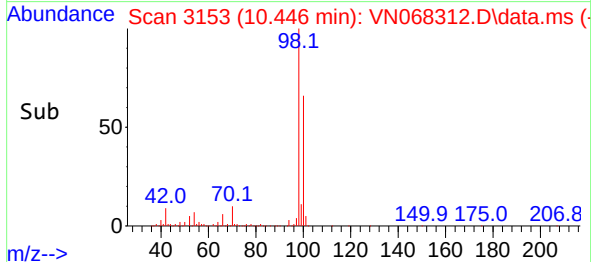
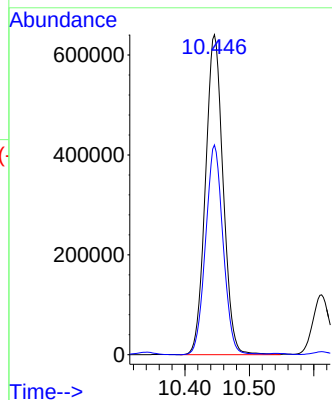
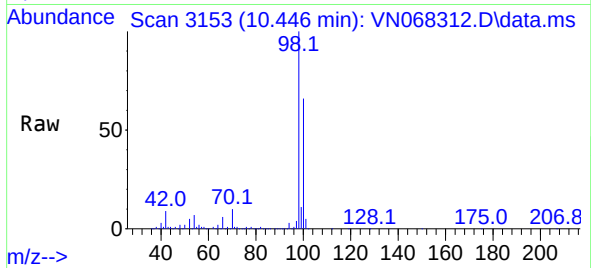
Instrument :
MSVOA_N
ClientSampled :
31117

Manual Integrations
APPROVED

MMDadoda
8/26/2021 9:06:19 AM

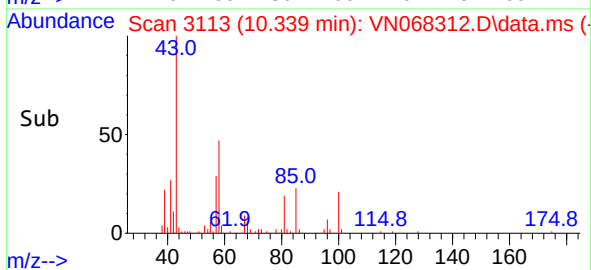
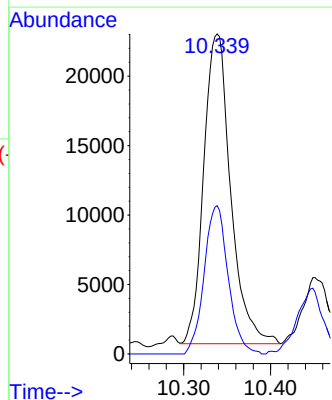
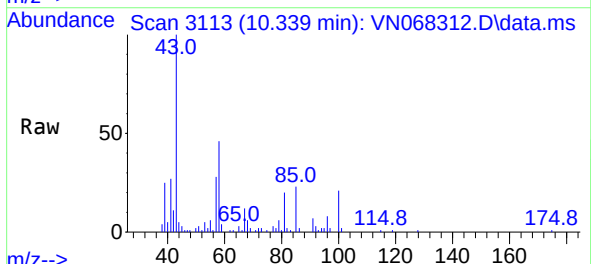
8/26/2021 9:06:19 AM

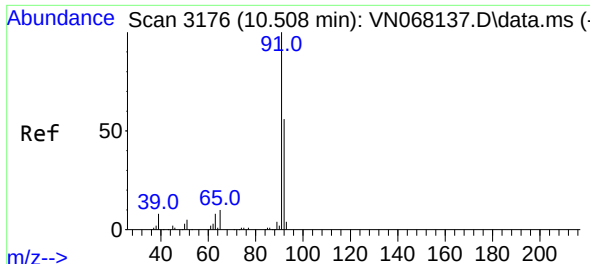
8/26/2021 9:06:19 AM



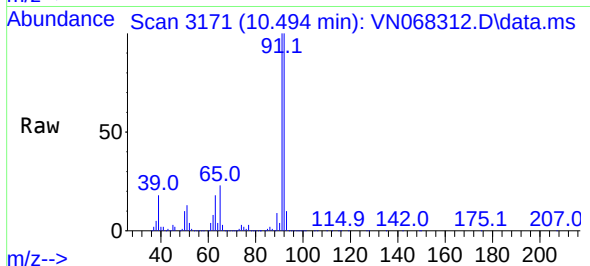
#51
4-Methyl-2-Pentanone
Concen: 6.105 ug/l
RT: 10.339 min Scan# 3113
Delta R.T. 0.005 min
Lab File: VN068312.D
Acq: 25 Aug 2021 20:34

Tgt Ion: 43 Resp: 48043
Ion Ratio Lower Upper
43 100
58 42.6 28.6 43.0

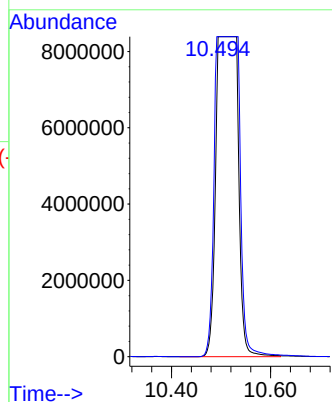




#52
Toluene
Concen: 1332.213 ug/l m
RT: 10.494 min Scan# 3171
Delta R.T. -0.014 min
Lab File: VN068312.D
Acq: 25 Aug 2021 20:34



Tgt Ion: 92 Resp: 26024308
Ion Ratio Lower Upper
92 100
91 0.0 139.6 209.4#



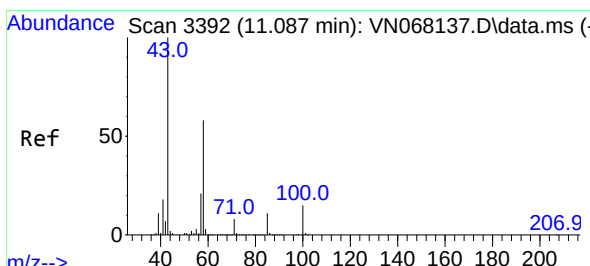
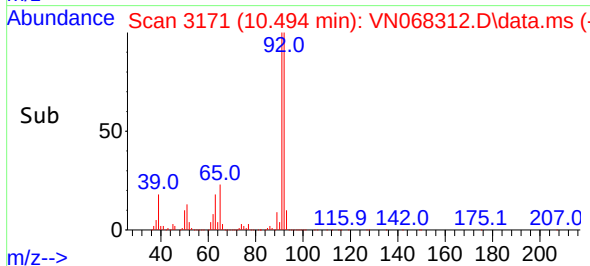
Instrument :
MSVOA_N
ClientSampled :
31117

Manual Integrations
APPROVED

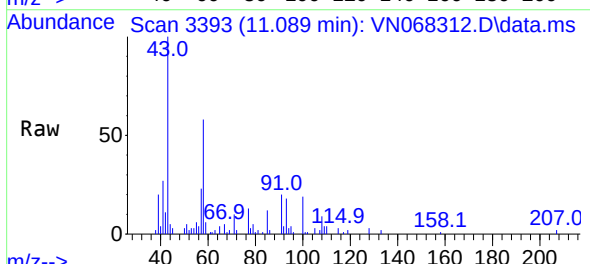
MMDadoda
8/26/2021 9:06:19 AM

8/26/2021 9:06:19 AM

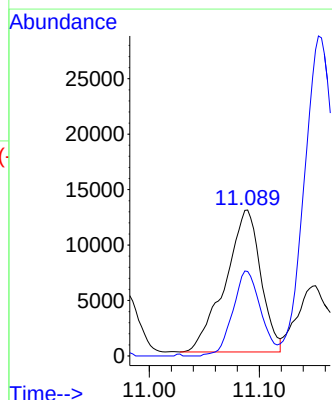
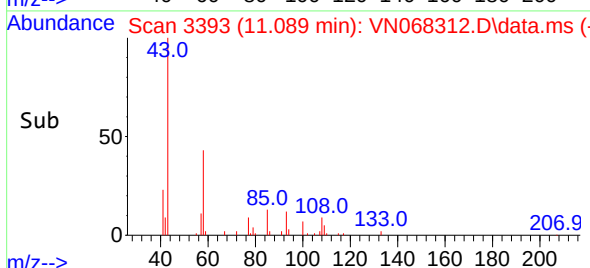
8/26/2021 9:06:19 AM

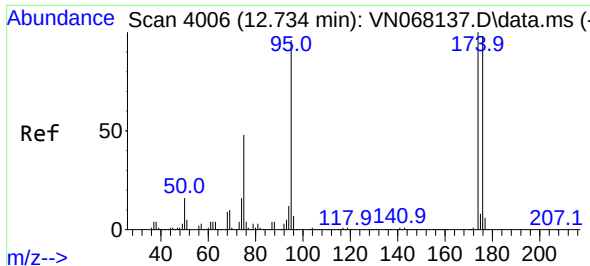


#59
2-Hexanone
Concen: 5.262 ug/l
RT: 11.089 min Scan# 3393
Delta R.T. 0.002 min
Lab File: VN068312.D
Acq: 25 Aug 2021 20:34

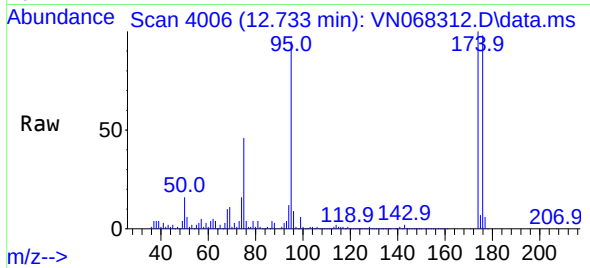


Tgt Ion: 43 Resp: 28754
Ion Ratio Lower Upper
43 100
58 46.8 24.7 74.1

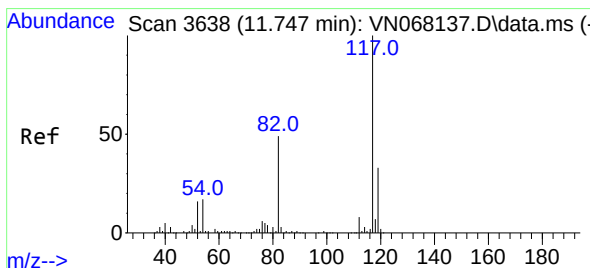
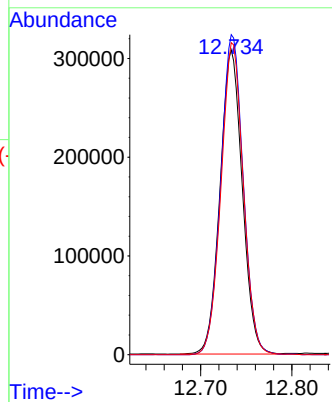
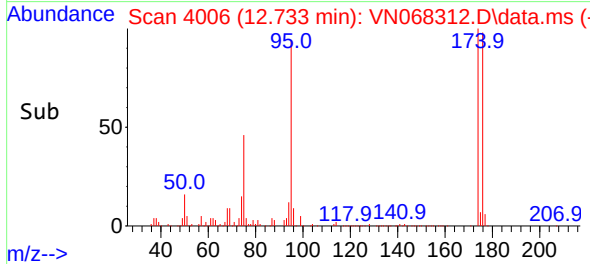




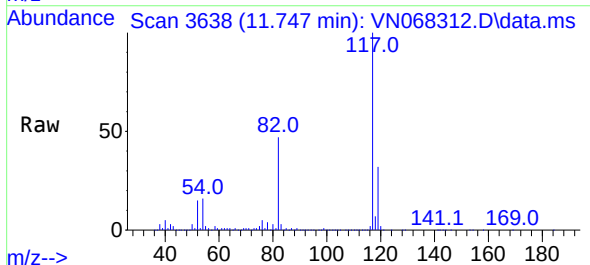
#62
4-Bromofluorobenzene
Concen: 57.181 ug/l
RT: 12.733 min Scan# 4006
Delta R.T. -0.001 min
Lab File: VN068312.D
Acq: 25 Aug 2021 20:34



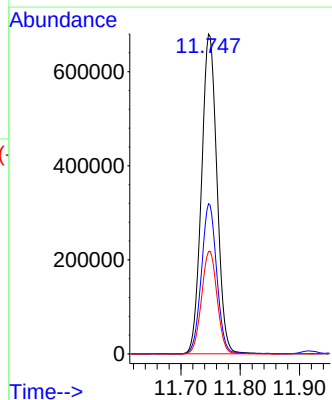
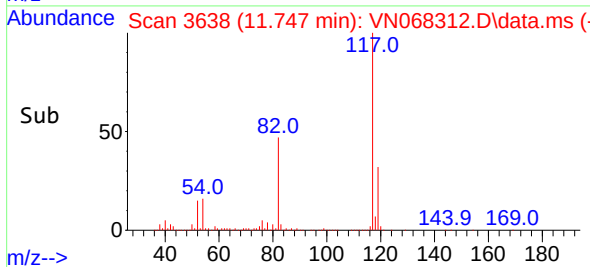
Tgt Ion: 95 Resp: 522976
Ion Ratio Lower Upper
95 100
174 106.0 0.0 122.0
176 102.6 0.0 117.6



#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 11.747 min Scan# 3638
Delta R.T. -0.000 min
Lab File: VN068312.D
Acq: 25 Aug 2021 20:34



Tgt Ion: 117 Resp: 1228026
Ion Ratio Lower Upper
117 100
82 47.0 53.1 79.7#
119 32.0 25.5 38.3



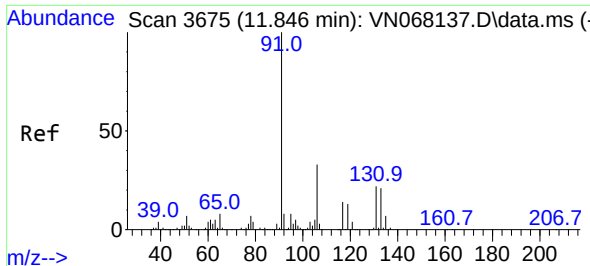
Instrument :
MSVOA_N
ClientSampled :
31117

Manual Integrations
APPROVED

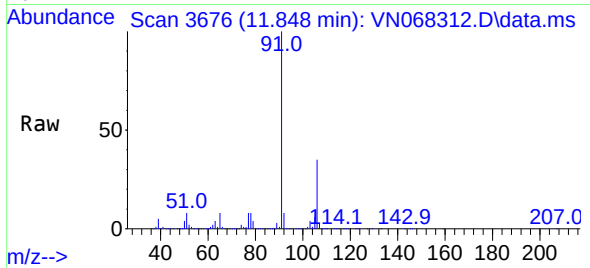
MMDadoda
8/26/2021 9:06:19 AM

8/26/2021 9:06:19 AM

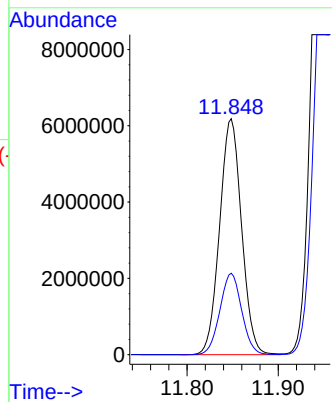
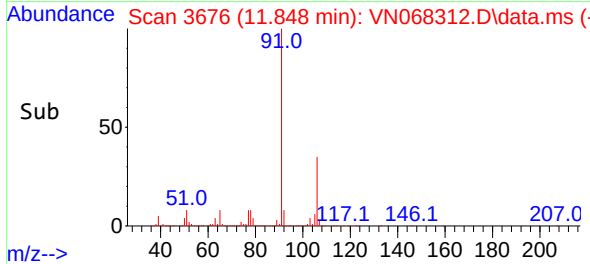
8/26/2021 9:06:19 AM



#67
Ethyl Benzene
Concen: 249.169 ug/l
RT: 11.848 min Scan# 3676
Delta R.T. 0.002 min
Lab File: VN068312.D
Acq: 25 Aug 2021 20:34



Tgt Ion: 91 Resp:10334067
Ion Ratio Lower Upper
91 100
106 34.5 23.4 35.0



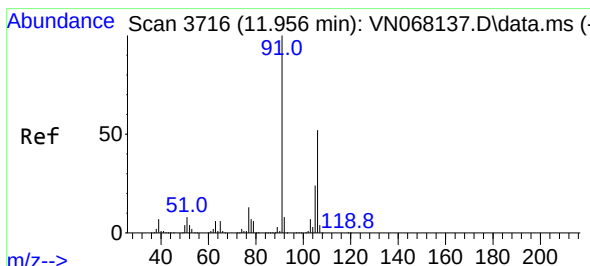
Instrument :
MSVOA_N
ClientSampled :
31117

Manual Integrations
APPROVED

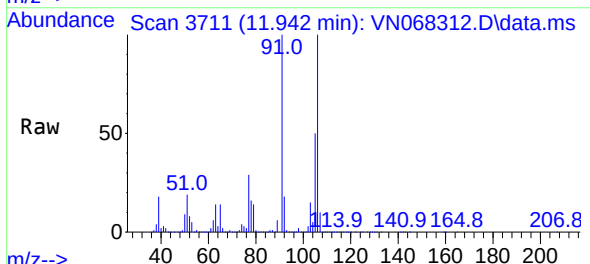
MMDadoda
8/26/2021 9:06:19 AM

8/26/2021 9:06:19 AM

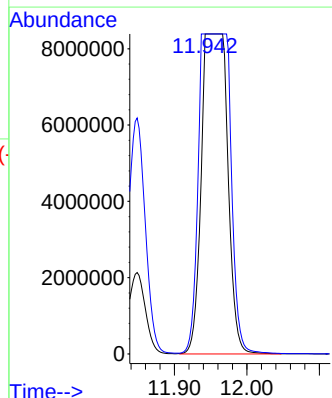
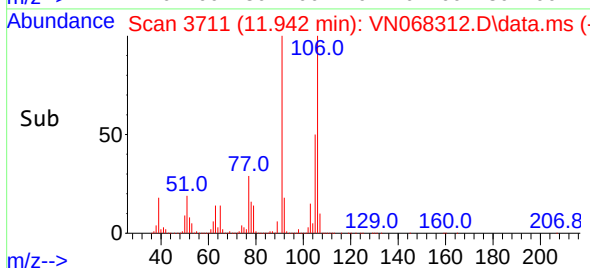
8/26/2021 9:06:19 AM

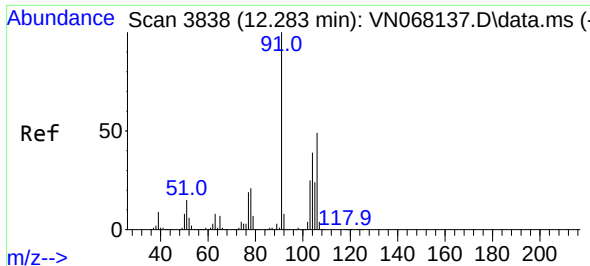


#68
m/p-Xylenes
Concen: 1268.498 ug/l m
RT: 11.942 min Scan# 3711
Delta R.T. -0.014 min
Lab File: VN068312.D
Acq: 25 Aug 2021 20:34



Tgt Ion:106 Resp:21045618
Ion Ratio Lower Upper
106 100
91 49.1 180.6 270.8#





#69
o-Xylene
Concen: 1234.906 ug/l m
RT: 12.275 min Scan# 3835
Delta R.T. -0.008 min
Lab File: VN068312.D
Acq: 25 Aug 2021 20:34

Tgt Ion:106 Resp:19796179
Ion Ratio Lower Upper
106 100
91 0.0 118.3 354.9#

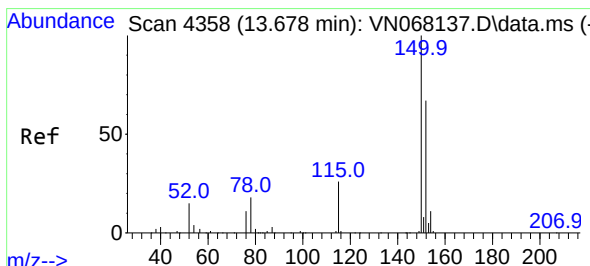
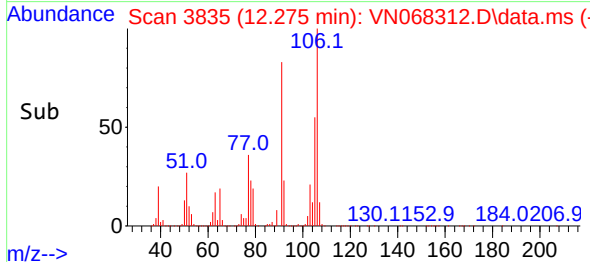
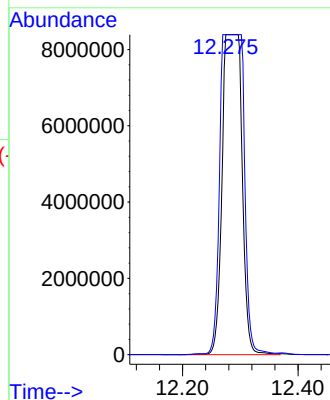
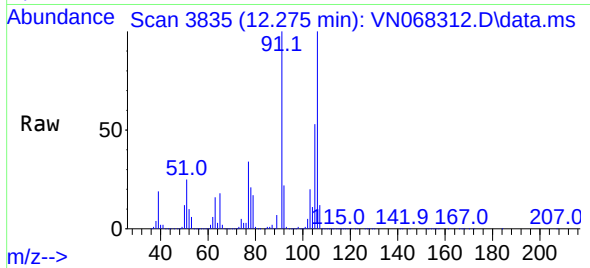
Instrument :
MSVOA_N
ClientSampled :
31117

Manual Integrations
APPROVED

MMDadoda
8/26/2021 9:06:19 AM

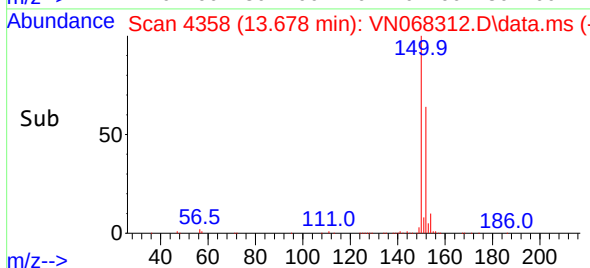
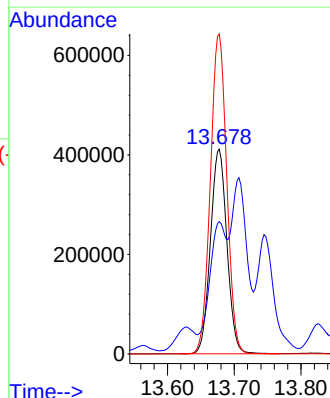
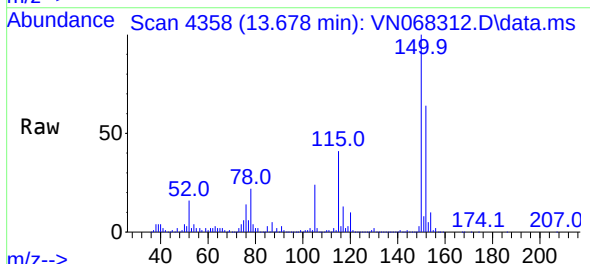
8/26/2021 9:06:19 AM

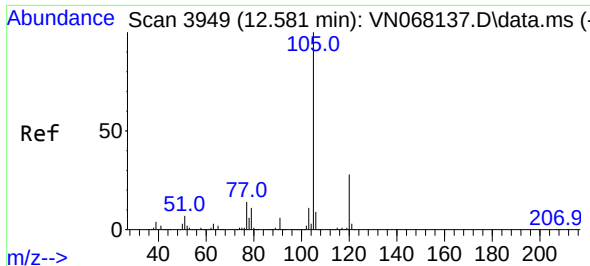
8/26/2021 9:06:19 AM



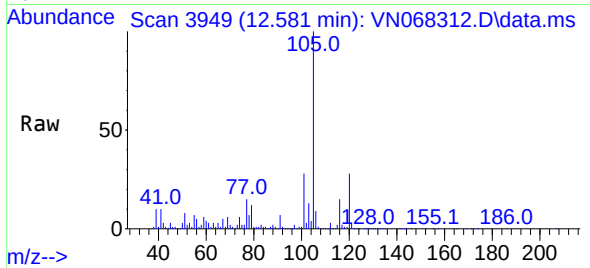
#72
1,4-Dichlorobenzene-d4
Concen: 50.000 ug/l
RT: 13.678 min Scan# 4358
Delta R.T. -0.000 min
Lab File: VN068312.D
Acq: 25 Aug 2021 20:34

Tgt Ion:152 Resp: 706977
Ion Ratio Lower Upper
152 100
115 60.9 36.1 108.5
150 154.9 0.0 351.8

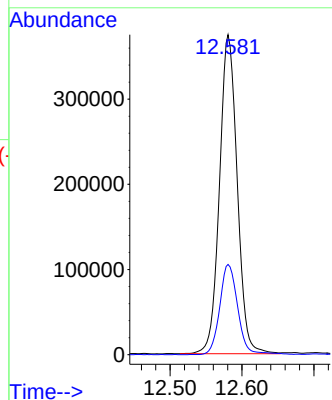




#73
Isopropylbenzene
Concen: 12.695 ug/l
RT: 12.581 min Scan# 3949
Delta R.T. -0.000 min
Lab File: VN068312.D
Acq: 25 Aug 2021 20:34



Tgt Ion:105 Resp: 638331
Ion Ratio Lower Upper
105 100
120 28.7 12.5 37.5



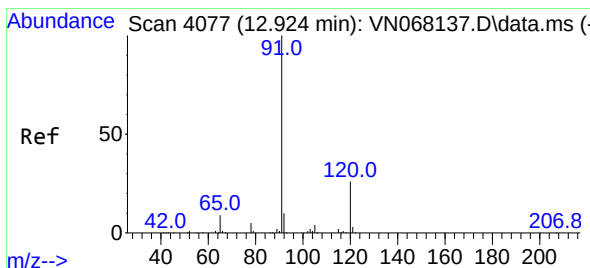
Instrument :
MSVOA_N
ClientSampled :
31117

Manual Integrations
APPROVED

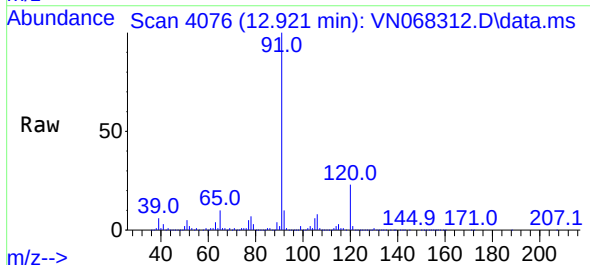
MMDadoda
8/26/2021 9:06:19 AM

8/26/2021 9:06:19 AM

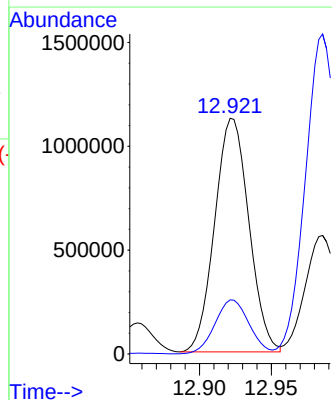
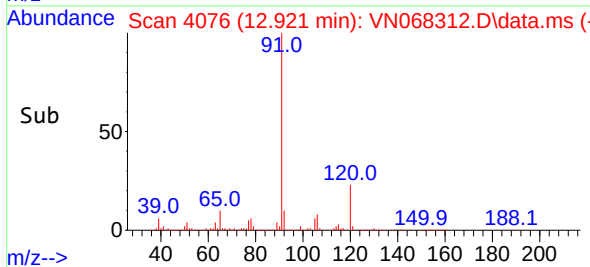
8/26/2021 9:06:19 AM

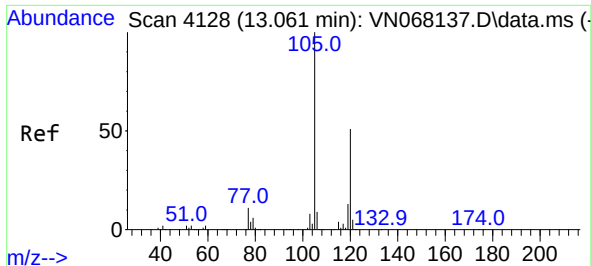


#78
n-propylbenzene
Concen: 34.532 ug/l
RT: 12.921 min Scan# 4076
Delta R.T. -0.003 min
Lab File: VN068312.D
Acq: 25 Aug 2021 20:34



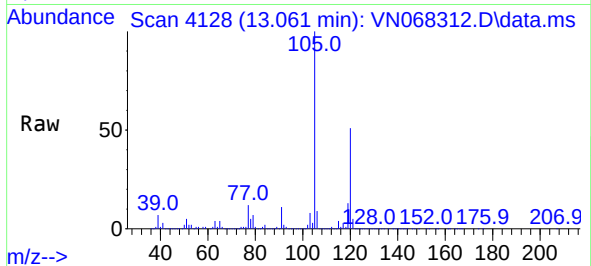
Tgt Ion: 91 Resp: 1862549
Ion Ratio Lower Upper
91 100
120 23.0 10.4 31.4





#80
1,3,5-Trimethylbenzene
Concen: 183.060 ug/l
RT: 13.061 min Scan# 4128
Delta R.T. -0.000 min
Lab File: VN068312.D
Acq: 25 Aug 2021 20:34

Instrument :
MSVOA_N
ClientSampled :
31117



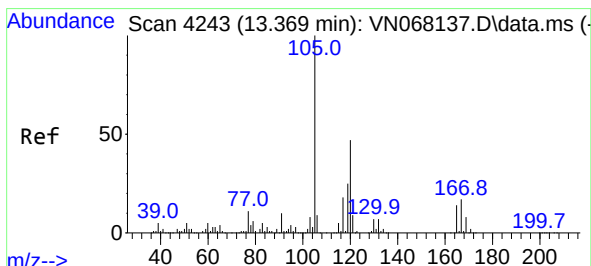
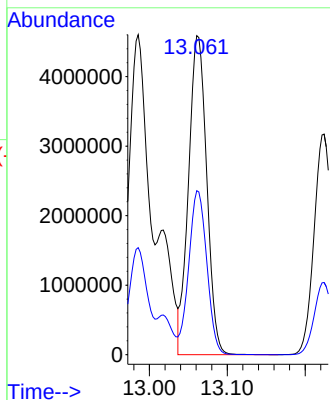
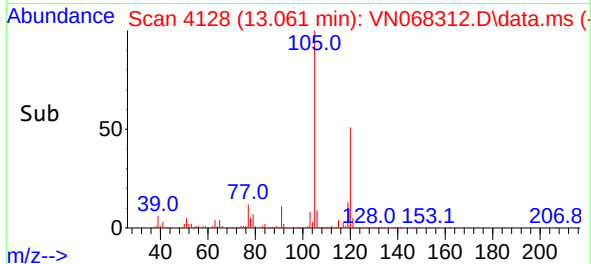
Tgt Ion:105 Resp: 7446163
Ion Ratio Lower Upper
105 100
120 51.0 22.2 66.6

Manual Integrations
APPROVED

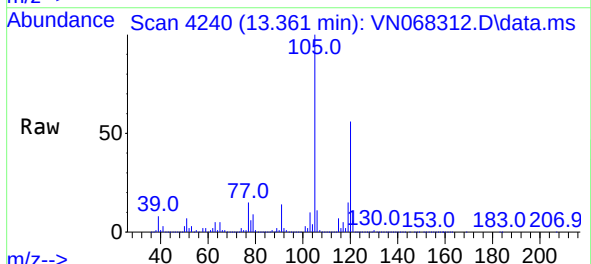
MMDadoda
8/26/2021 9:06:19 AM

8/26/2021 9:06:19 AM

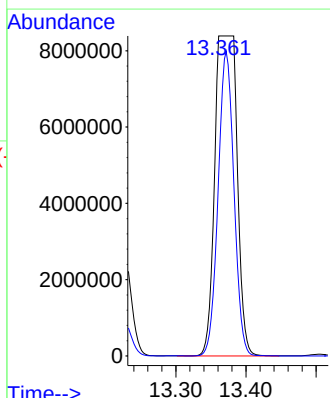
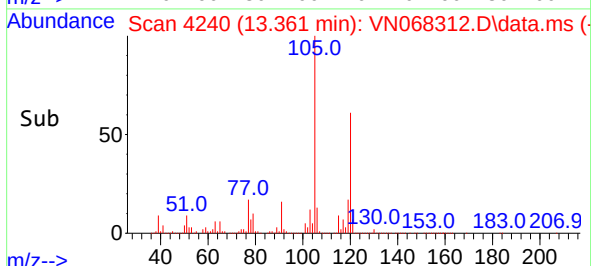
8/26/2021 9:06:19 AM

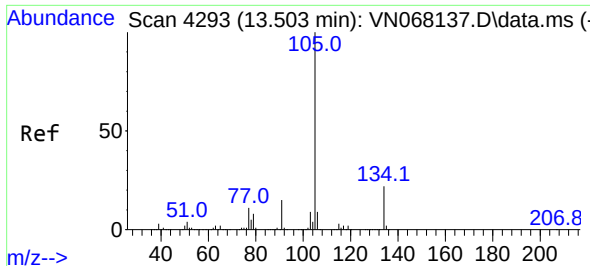


#84
1,2,4-Trimethylbenzene
Concen: 469.132 ug/l m
RT: 13.361 min Scan# 4240
Delta R.T. -0.008 min
Lab File: VN068312.D
Acq: 25 Aug 2021 20:34



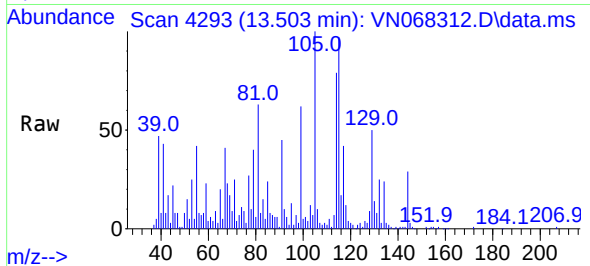
Tgt Ion:105 Resp:18628374
Ion Ratio Lower Upper
105 100
120 9.2 20.6 61.8#





#85
 sec-Butylbenzene
 Concen: 1.602 ug/l m
 RT: 13.503 min Scan# 4293
 Delta R.T. 0.000 min
 Lab File: VN068312.D
 Acq: 25 Aug 2021 20:34

Instrument :
 MSVOA_N
 ClientSampled :
 31117



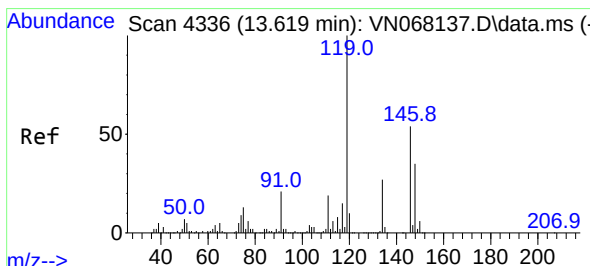
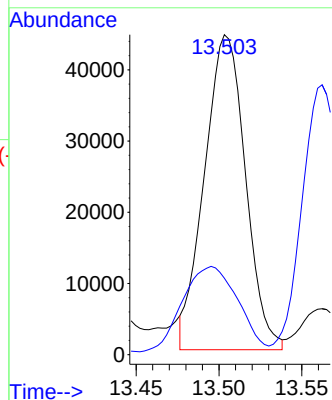
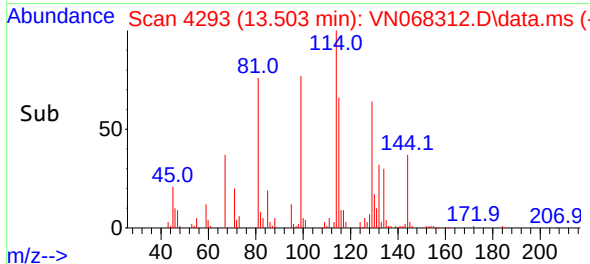
Tgt Ion:105 Resp: 76212
 Ion Ratio Lower Upper
 105 100
 134 0.0 9.0 27.1#

Manual Integrations
 APPROVED

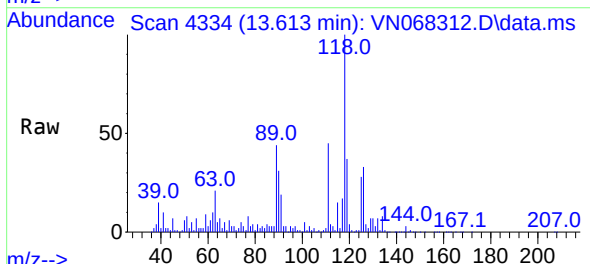
MMDadoda
 8/26/2021 9:06:19 AM

8/26/2021 9:06:19 AM

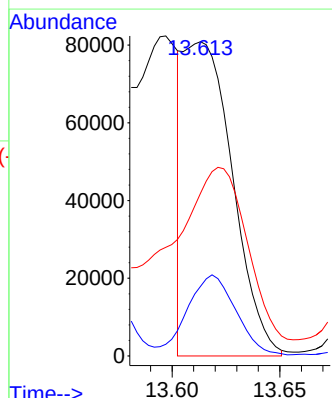
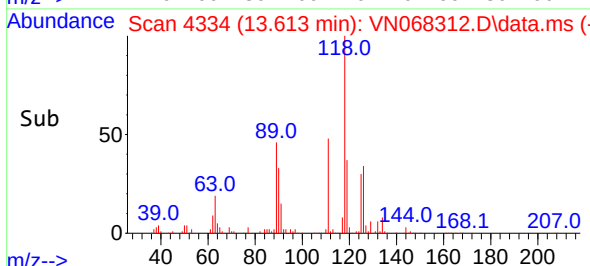
8/26/2021 9:06:19 AM

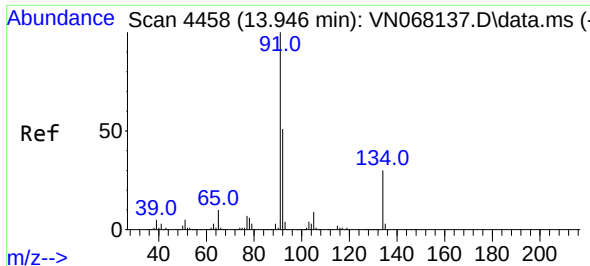


#86
 p-Isopropyltoluene
 Concen: 3.279 ug/l m
 RT: 13.613 min Scan# 4334
 Delta R.T. -0.006 min
 Lab File: VN068312.D
 Acq: 25 Aug 2021 20:34

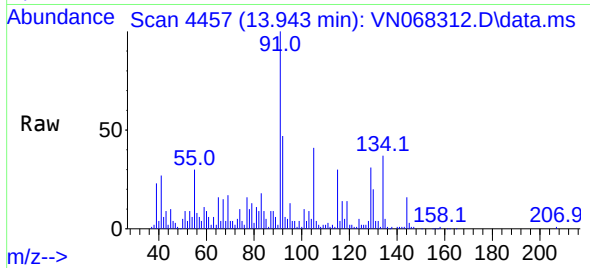


Tgt Ion:119 Resp: 128737
 Ion Ratio Lower Upper
 119 100
 134 48.2 12.4 37.4#
 91 0.0 14.8 44.3#

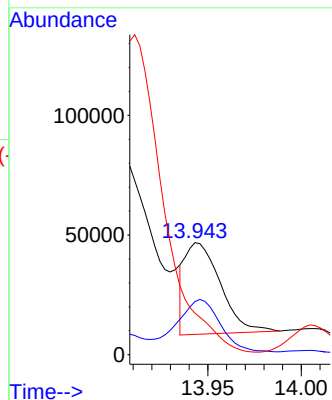




#89
n-Butylbenzene
Concen: 1.715 ug/l
RT: 13.943 min Scan# 4457
Delta R.T. -0.003 min
Lab File: VN068312.D
Acq: 25 Aug 2021 20:34



Tgt Ion: 91 Resp: 50231
Ion Ratio Lower Upper
91 100
92 69.8 25.7 77.1
134 0.0 11.2 33.6#



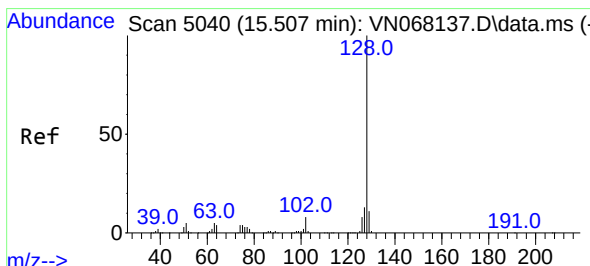
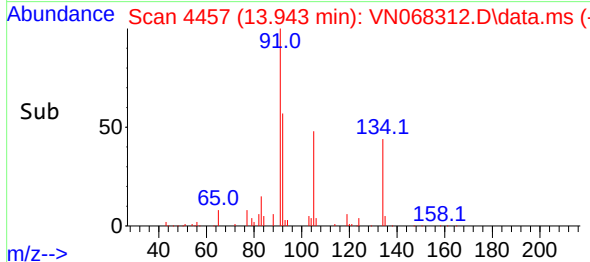
Instrument :
MSVOA_N
ClientSampled :
31117

Manual Integrations
APPROVED

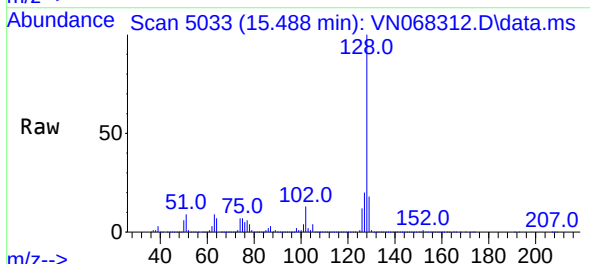
MMDadoda
8/26/2021 9:06:19 AM

8/26/2021 9:06:19 AM

8/26/2021 9:06:19 AM



#95
Naphthalene
Concen: 1129.227 ug/l m
RT: 15.488 min Scan# 5033
Delta R.T. -0.019 min
Lab File: VN068312.D
Acq: 25 Aug 2021 20:34



Tgt Ion: 128 Resp: 33484592
Ion Ratio Lower Upper
128 100
127 0.0 10.6 15.8#
129 0.0 8.6 12.8#

