

Data Path : Z:\voasrv\HPCHEM1\MSVOA_N\Data\VN032921\
 Data File : VN066381.D
 Acq On : 29 Mar 2021 16:58
 Operator : JC/MD
 Sample : M1835-03
 Misc : 5.00mL/MSVOA_N/WATER
 ALS Vial : 19 Sample Multiplier: 1

Instrument :
 MSVOA_N
 ClientSampleId :
 ASR4

Manual Integrations
 APPROVED

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 3/30/2021 7:50:58 PM

Quant Time: Mar 30 01:37:28 2021
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA_N\methods\82N032521W.M
 Quant Title : SW846 8260
 QLast Update : Fri Mar 26 16:26:01 2021
 Response via : Initial Calibration

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

Internal Standards						
1) Pentafluorobenzene	7.585	168	503123	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	8.512	114	775928	50.00	ug/l	0.00
63) Chlorobenzene-d5	11.350	117	666415	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.286	152	319214	50.00	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	7.952	65	381091	56.98	ug/l	0.00
Spiked Amount 50.000	Range 78 - 117		Recovery = 113.96%			
35) Dibromofluoromethane	7.507	113	261653	50.87	ug/l	0.00
Spiked Amount 50.000	Range 75 - 124		Recovery = 101.74%			
50) Toluene-d8	10.028	98	1050482	53.84	ug/l	0.00
Spiked Amount 50.000	Range 92 - 112		Recovery = 107.68%			
62) 4-Bromofluorobenzene	12.345	95	369323	54.50	ug/l	0.00
Spiked Amount 50.000	Range 83 - 123		Recovery = 109.00%			
Target Compounds					Qvalue	
11) Tert butyl alcohol	4.707	59	142365	139.57	ug/l #	83
16) Acetone	3.733	43	183828	50.87	ug/l	89
19) Methyl tert-butyl Ether	4.943	73	625001	36.56	ug/l #	1
22) Diisopropyl ether	5.863	45	11879	0.67	ug/l #	64
25) 2-Butanone	6.750	43	50770	12.85	ug/l	96
27) cis-1,2-Dichloroethene	6.737	96	3870m	0.63	ug/l	
31) Cyclohexane	7.566	56	554118	59.86	ug/l	97
39) Methylcyclohexane	9.009	83	434396	48.89	ug/l	98
40) Benzene	7.963	78	17875781	811.97	ug/l #	31
52) Toluene	10.095	92	14007811	1036.50	ug/l #	59
67) Ethyl Benzene	11.455	91	14785919	613.08	ug/l #	9
68) m/p-Xylenes	11.570	106	18676203	2038.13	ug/l #	45
69) o-Xylene	11.892	106	10560030	1194.37	ug/l	48
73) Isopropylbenzene	12.192	105	1670967	70.38	ug/l	100
78) n-propylbenzene	12.535	91	4379027	169.63	ug/l	99
80) 1,3,5-Trimethylbenzene	12.678	105	7763943	399.78	ug/l	81
84) 1,2,4-Trimethylbenzene	12.986	105	13410294m	710.69	ug/l	
85) sec-Butylbenzene	13.117	105	305419m	14.10	ug/l	
86) p-Isopropyltoluene	13.233	119	169296	8.73	ug/l #	76
89) n-Butylbenzene	13.555	91	339035m	21.15	ug/l	
95) Naphthalene	15.067	128	6919439	379.59	ug/l	96

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

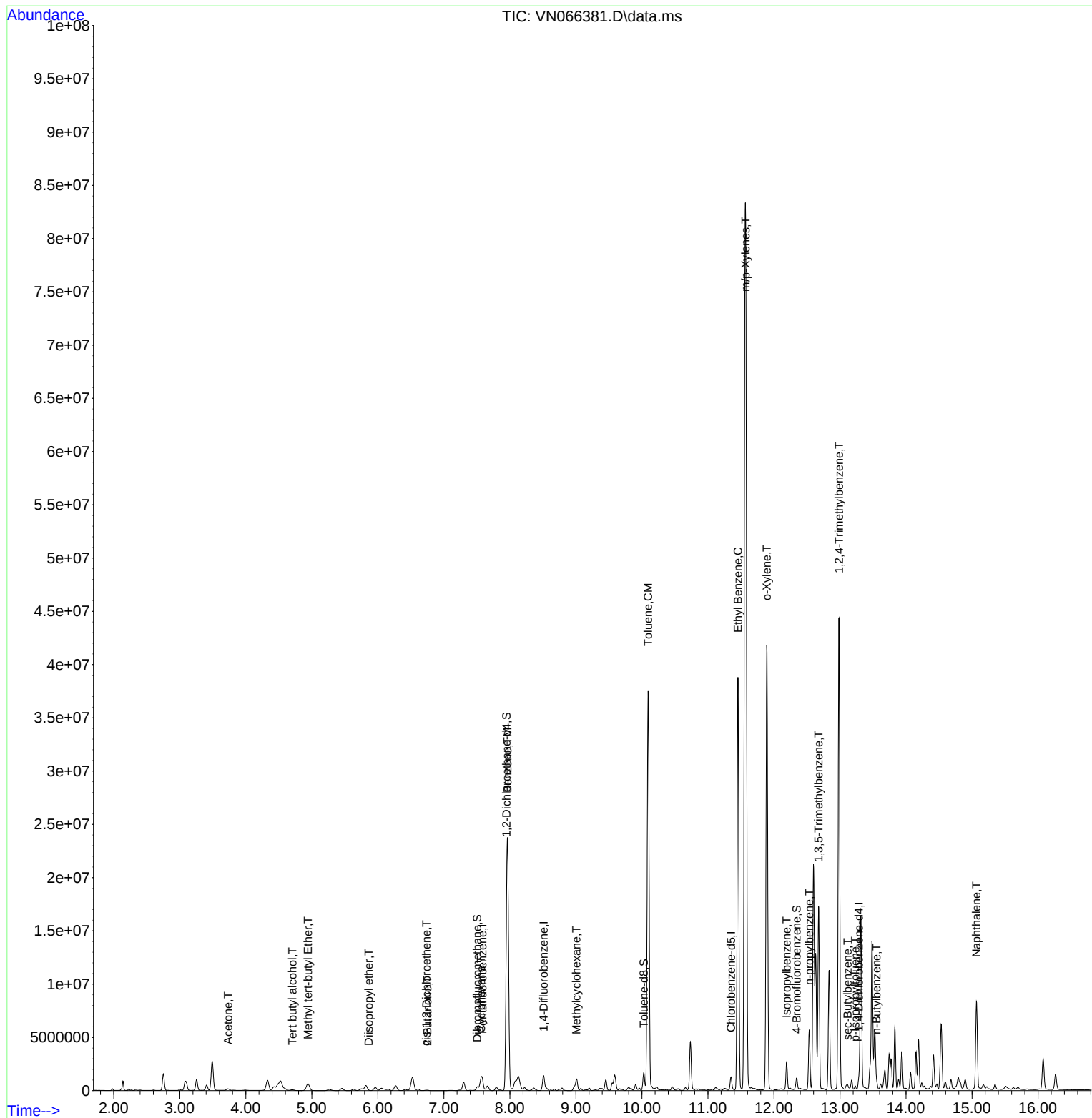
Data Path : Z:\voasrv\HPCHEM1\MSVOA_N\Data\VN032921\
Data File : VN066381.D
Acq On : 29 Mar 2021 16:58
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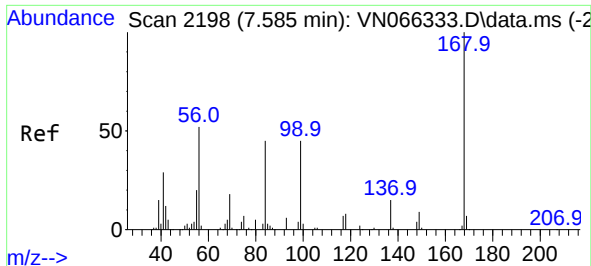
Instrument :
MSVOA_N
ClientSampleId :
ASR4

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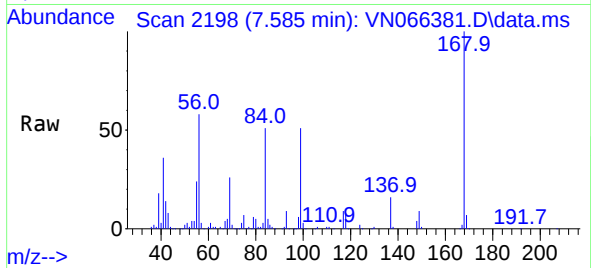
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Quant Time: Mar 30 01:37:28 2021
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_N\methods\82N032521W.M
Quant Title : SW846 8260
QLast Update : Fri Mar 26 16:26:01 2021
Response via : Initial Calibration

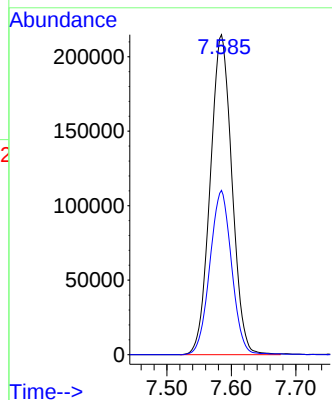




#1
Pentafluorobenzene
Concen: 50.00 ug/l
RT: 7.585 min Scan# 2198
Delta R.T. -0.000 min
Lab File: VN066381.D
Acq: 29 Mar 2021 16:58



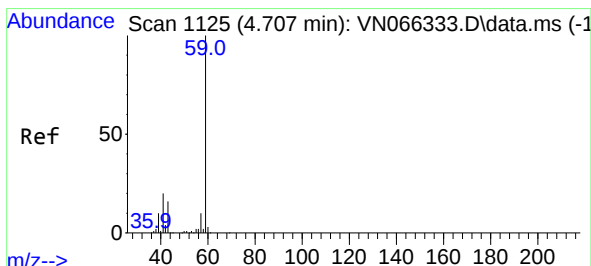
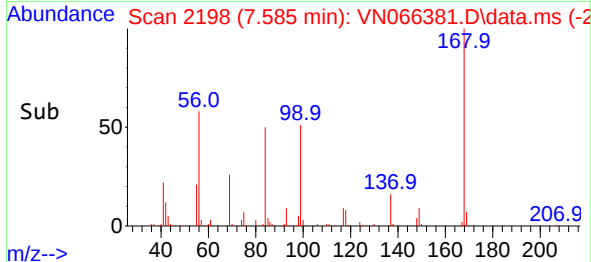
Tgt Ion:168 Resp: 503123
Ion Ratio Lower Upper
168 100
99 51.3 41.1 61.7



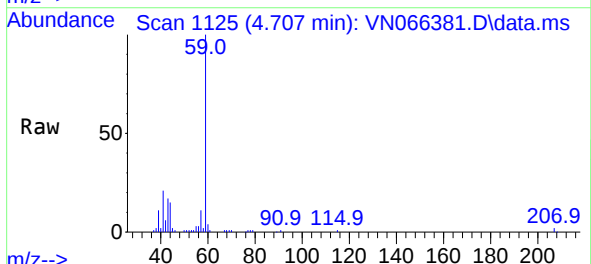
Instrument :
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ClientSampleId :
ASR4

Manual Integrations
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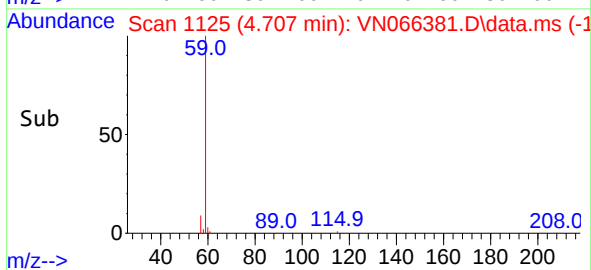
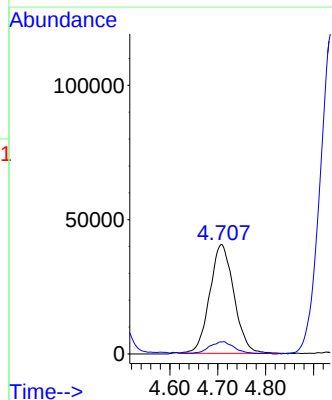
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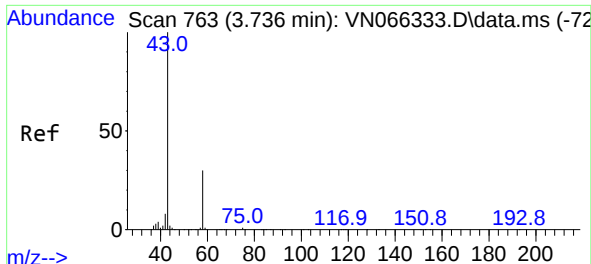


#11
Tert butyl alcohol
Concen: 139.57 ug/l
RT: 4.707 min Scan# 1125
Delta R.T. 0.000 min
Lab File: VN066381.D
Acq: 29 Mar 2021 16:58



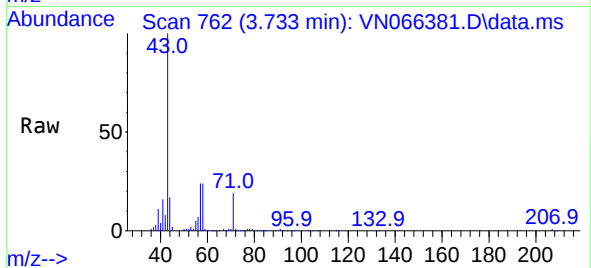
Tgt Ion: 59 Resp: 142365
Ion Ratio Lower Upper
59 100
57 10.6 4.1 6.1#





#16
Acetone
Concen: 50.87 ug/l
RT: 3.733 min Scan# 762
Delta R.T. -0.003 min
Lab File: VN066381.D
Acq: 29 Mar 2021 16:58

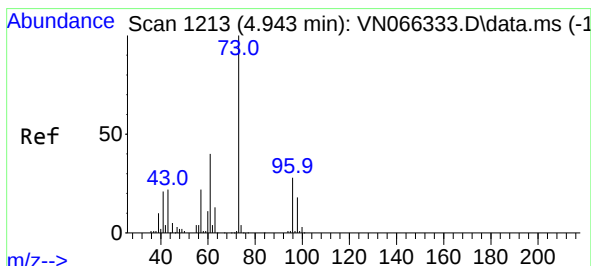
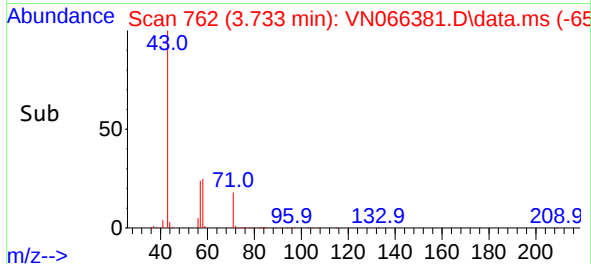
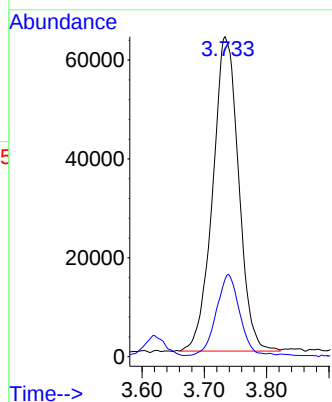
Instrument :
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ASR4



Tgt Ion: 43 Resp: 183828
Ion Ratio Lower Upper
43 100
58 23.9 23.8 35.8

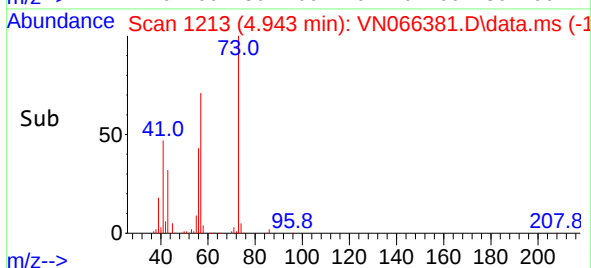
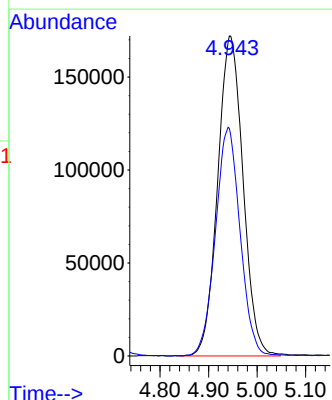
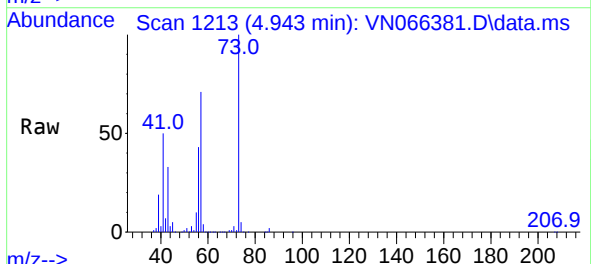
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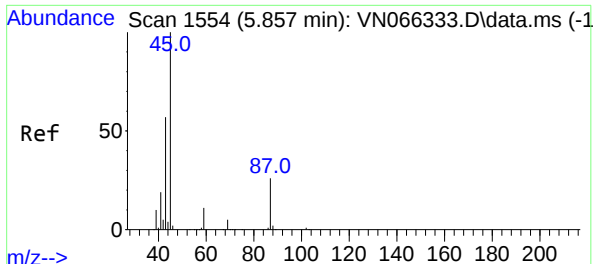
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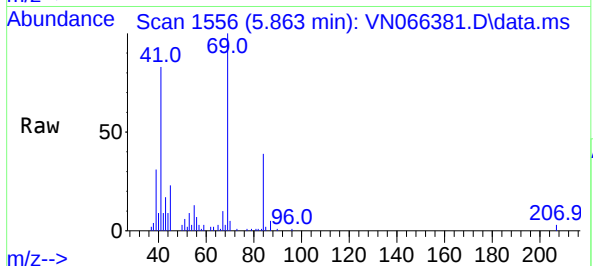
#19
Methyl tert-butyl Ether
Concen: 36.56 ug/l
RT: 4.943 min Scan# 1213
Delta R.T. 0.000 min
Lab File: VN066381.D
Acq: 29 Mar 2021 16:58

Tgt Ion: 73 Resp: 625001
Ion Ratio Lower Upper
73 100
57 71.1 17.6 26.4#

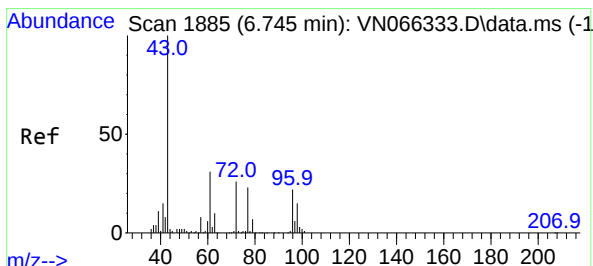
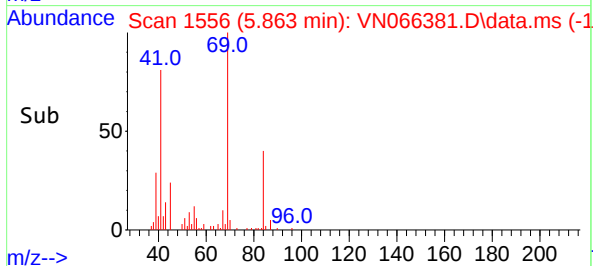
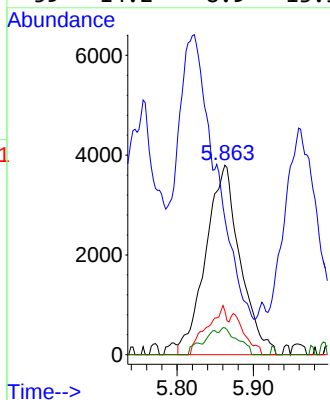




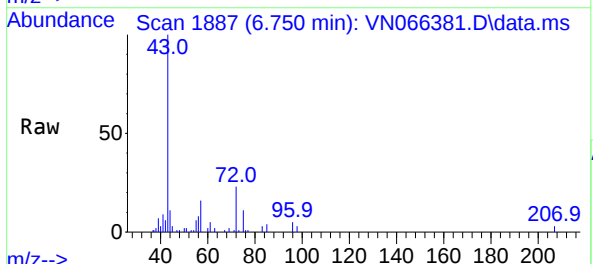
#22
Diisopropyl ether
Concen: 0.67 ug/l
RT: 5.863 min Scan# 1556
Delta R.T. 0.005 min
Lab File: VN066381.D
Acq: 29 Mar 2021 16:58



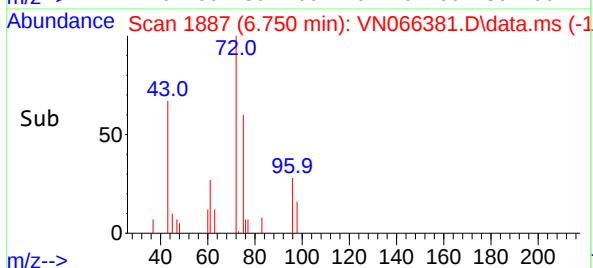
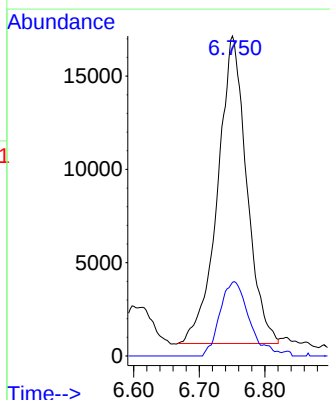
Tgt Ion:	45	Resp:	11879
Ion	Ratio	Lower	Upper
45	100		
43	19.1	48.1	72.1#
87	23.1	21.6	32.4
59	14.2	8.9	13.3#



#25
2-Butanone
Concen: 12.85 ug/l
RT: 6.750 min Scan# 1887
Delta R.T. 0.005 min
Lab File: VN066381.D
Acq: 29 Mar 2021 16:58



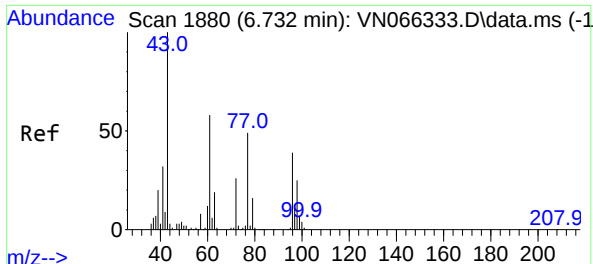
Tgt Ion:	43	Resp:	50770
Ion	Ratio	Lower	Upper
43	100		
72	23.9	20.7	31.1



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ClientSampled :
ASR4

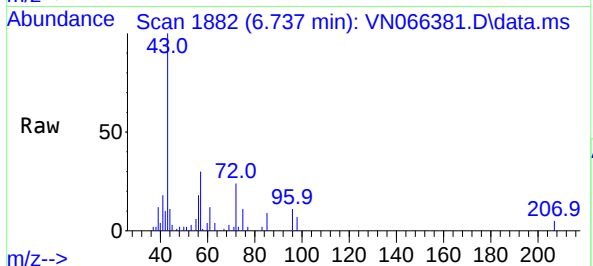
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3/30/2021 7:50:58 PM



#27
cis-1,2-Dichloroethene
Concen: 0.63 ug/l m
RT: 6.737 min Scan# 1882
Delta R.T. 0.005 min
Lab File: VN066381.D
Acq: 29 Mar 2021 16:58

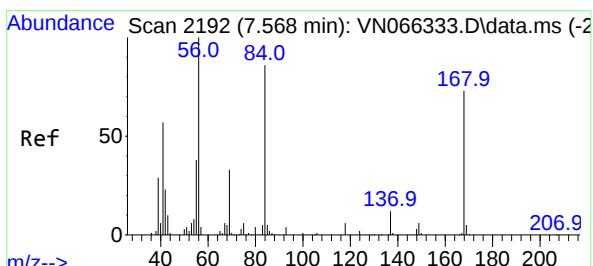
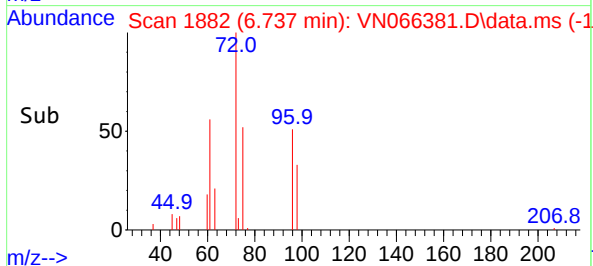
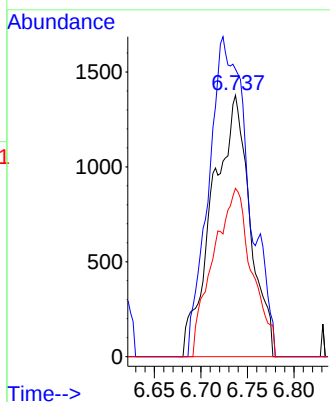
Instrument :
MSVOA_N
ClientSampled :
ASR4



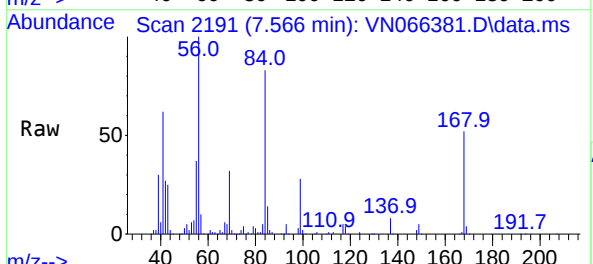
Tgt Ion: 96 Resp: 3870
Ion Ratio Lower Upper
96 100
61 0.0 0.0 296.2
98 66.0 0.0 129.2

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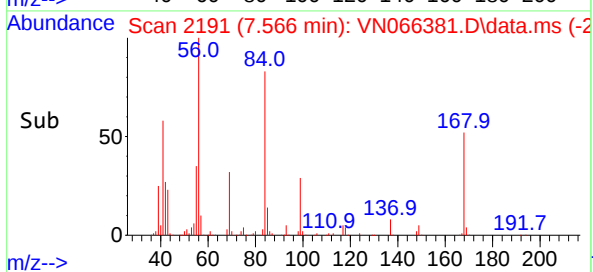
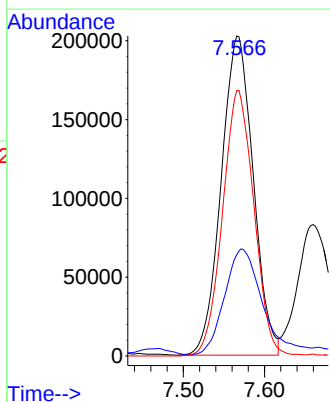
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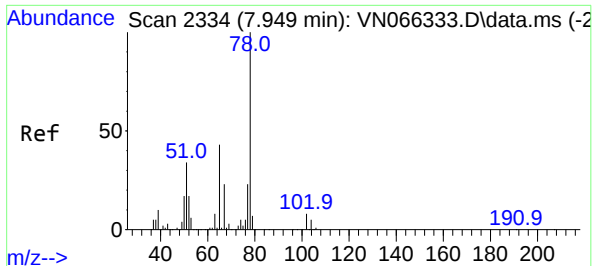


#31
Cyclohexane
Concen: 59.86 ug/l
RT: 7.566 min Scan# 2191
Delta R.T. -0.003 min
Lab File: VN066381.D
Acq: 29 Mar 2021 16:58



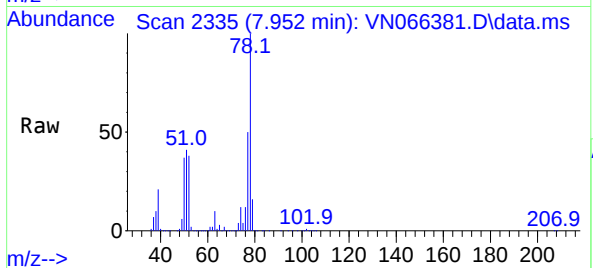
Tgt Ion: 56 Resp: 554118
Ion Ratio Lower Upper
56 100
69 30.9 26.6 40.0
84 83.2 68.7 103.1





#33
1,2-Dichloroethane-d4
Concen: 56.98 ug/l
RT: 7.952 min Scan# 2335
Delta R.T. 0.003 min
Lab File: VN066381.D
Acq: 29 Mar 2021 16:58

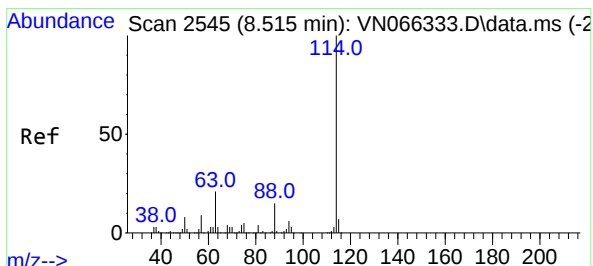
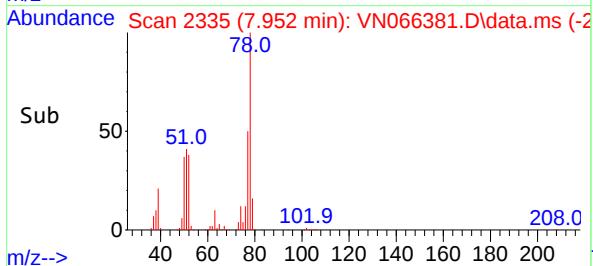
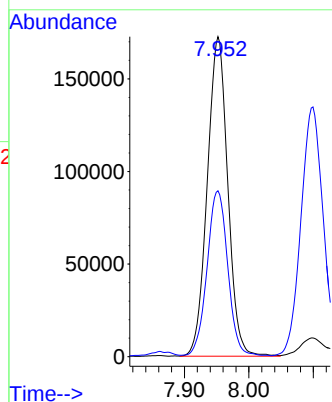
Instrument :
MSVOA_N
ClientSampled :
ASR4



Tgt Ion: 65 Resp: 381091
Ion Ratio Lower Upper
65 100
67 51.9 0.0 105.2

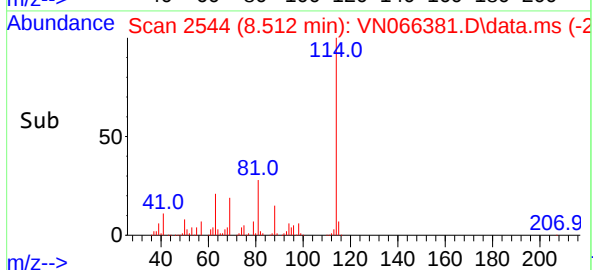
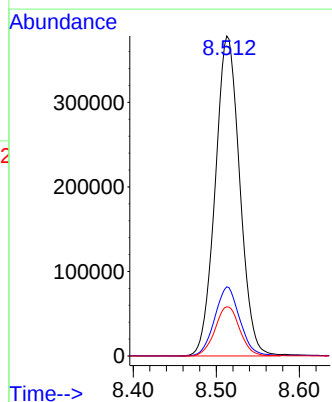
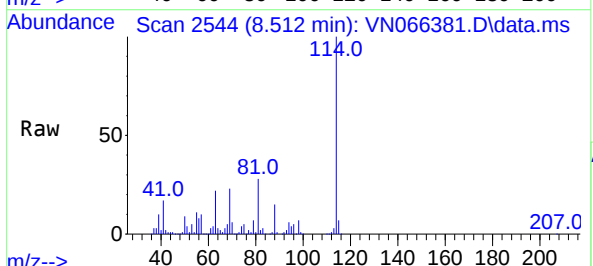
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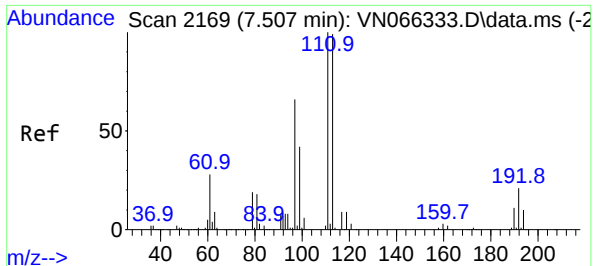
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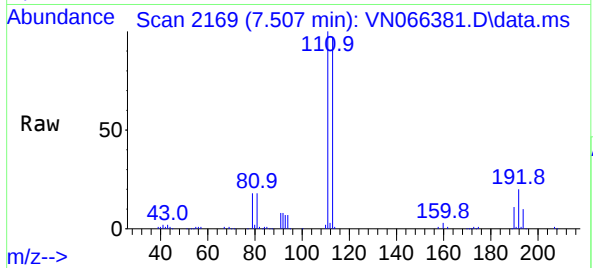
#34
1,4-Difluorobenzene
Concen: 50.00 ug/l
RT: 8.512 min Scan# 2544
Delta R.T. -0.003 min
Lab File: VN066381.D
Acq: 29 Mar 2021 16:58

Tgt Ion: 114 Resp: 775928
Ion Ratio Lower Upper
114 100
63 21.6 0.0 42.0
88 15.4 0.0 31.0

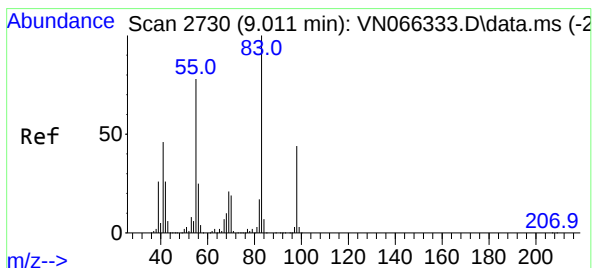
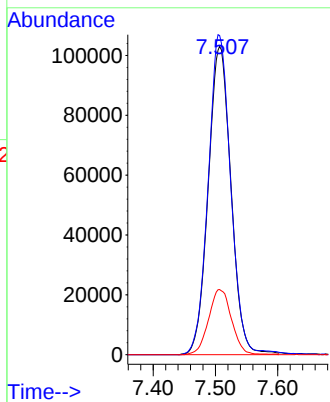
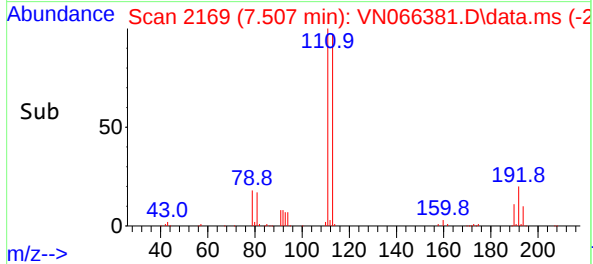




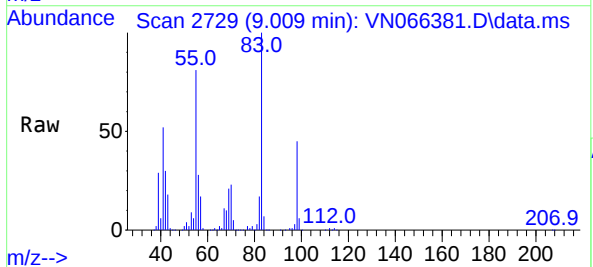
#35
Dibromofluoromethane
Concen: 50.87 ug/l
RT: 7.507 min Scan# 2169
Delta R.T. -0.000 min
Lab File: VN066381.D
Acq: 29 Mar 2021 16:58



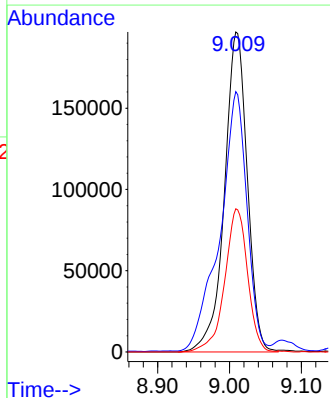
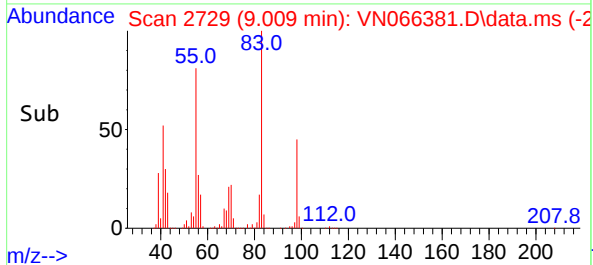
Tgt Ion: 113 Resp: 261653
Ion Ratio Lower Upper
113 100
111 101.9 81.8 122.8
192 21.3 17.1 25.7



#39
Methylcyclohexane
Concen: 48.89 ug/l
RT: 9.009 min Scan# 2729
Delta R.T. -0.003 min
Lab File: VN066381.D
Acq: 29 Mar 2021 16:58



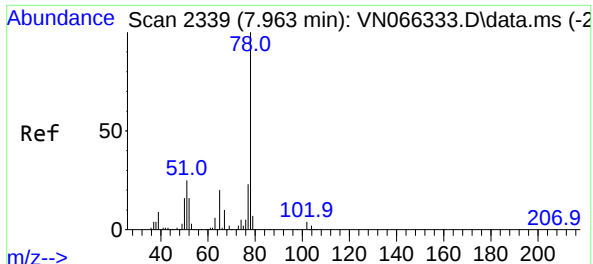
Tgt Ion: 83 Resp: 434396
Ion Ratio Lower Upper
83 100
55 81.0 62.3 93.5
98 44.8 35.6 53.4



Instrument :
MSVOA_N
ClientSampled :
ASR4

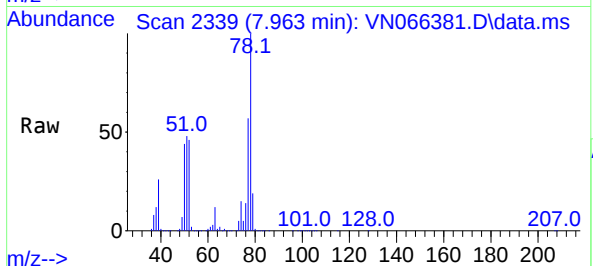
Manual Integrations
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3/30/2021 7:50:58 PM



#40
Benzene
Concen: 811.97 ug/l
RT: 7.963 min Scan# 2339
Delta R.T. 0.000 min
Lab File: VN066381.D
Acq: 29 Mar 2021 16:58

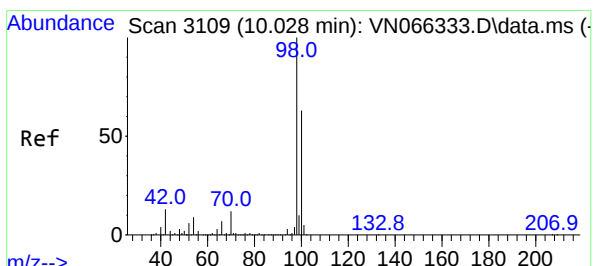
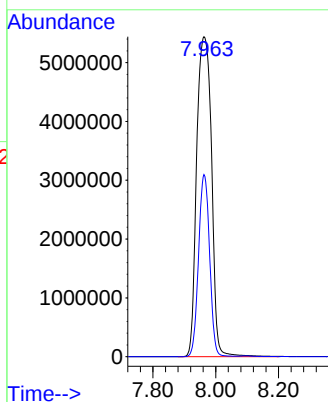
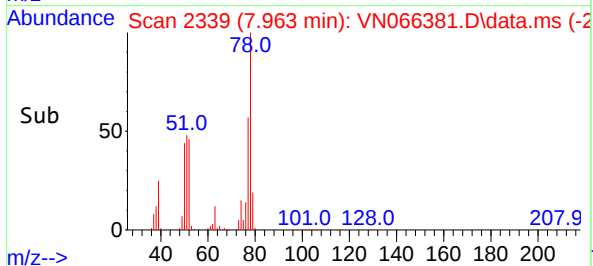
Instrument :
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ClientSampleId :
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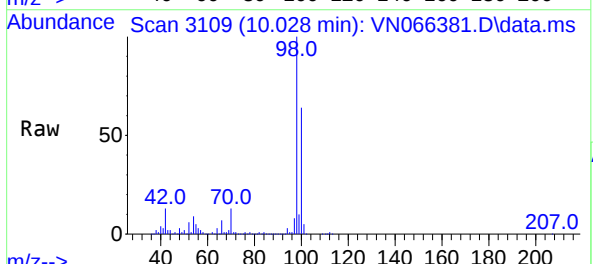
Tgt Ion: 78 Resp:17875781
Ion Ratio Lower Upper
78 100
77 56.9 18.7 28.1#

Manual Integrations
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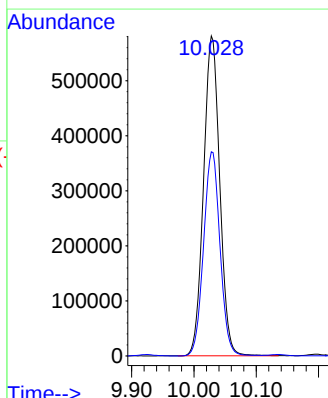
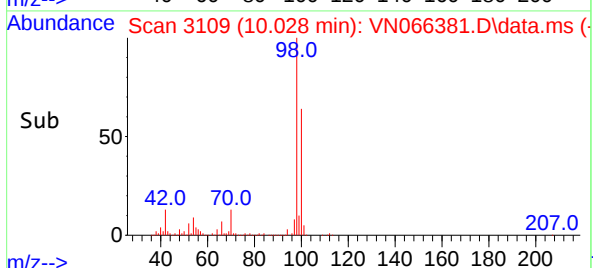
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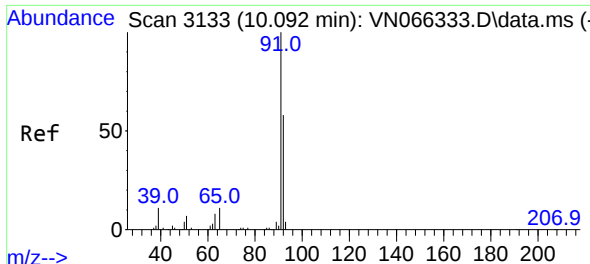


#50
Toluene-d8
Concen: 53.84 ug/l
RT: 10.028 min Scan# 3109
Delta R.T. -0.000 min
Lab File: VN066381.D
Acq: 29 Mar 2021 16:58



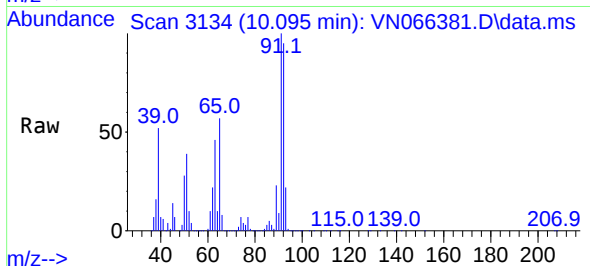
Tgt Ion: 98 Resp: 1050482
Ion Ratio Lower Upper
98 100
100 64.7 50.5 75.7





#52
Toluene
Concen: 1036.50 ug/l
RT: 10.095 min Scan# 3134
Delta R.T. 0.003 min
Lab File: VN066381.D
Acq: 29 Mar 2021 16:58

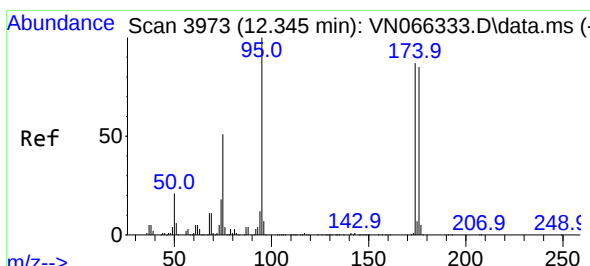
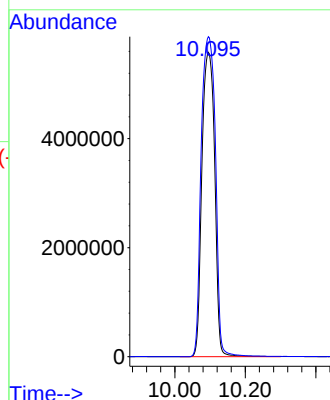
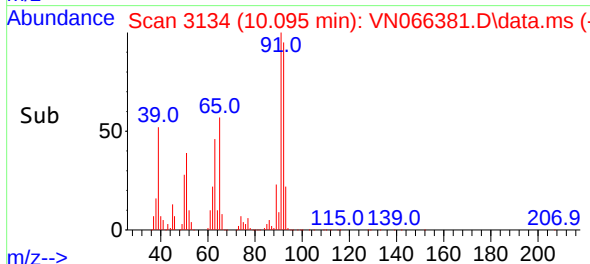
Instrument :
MSVOA_N
ClientSampleId :
ASR4



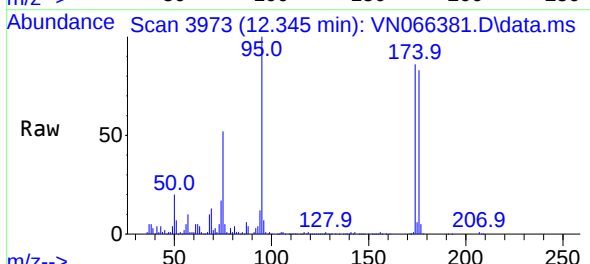
Tgt Ion: 92 Resp:14007811
Ion Ratio Lower Upper
92 100
91 117.2 138.8 208.2#

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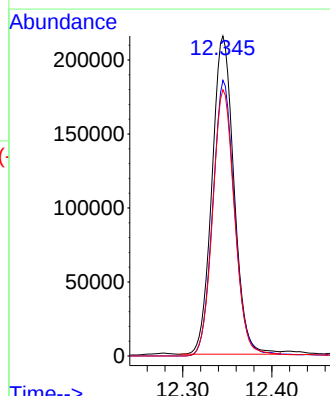
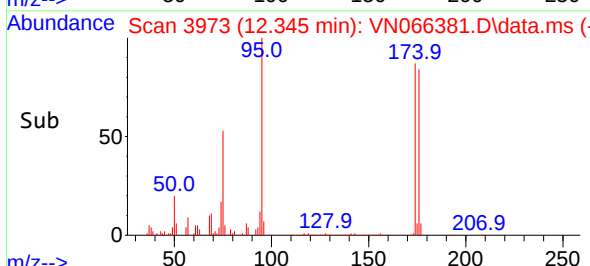
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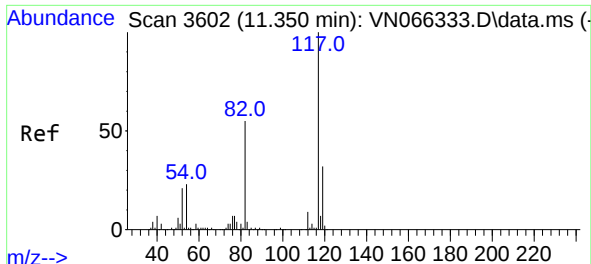


#62
4-Bromofluorobenzene
Concen: 54.50 ug/l
RT: 12.345 min Scan# 3973
Delta R.T. 0.000 min
Lab File: VN066381.D
Acq: 29 Mar 2021 16:58

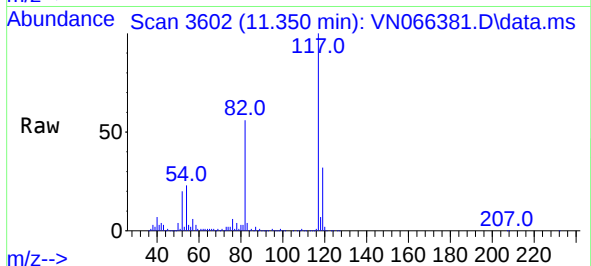


Tgt Ion: 95 Resp: 369323
Ion Ratio Lower Upper
95 100
174 86.3 0.0 172.2
176 83.7 0.0 167.8

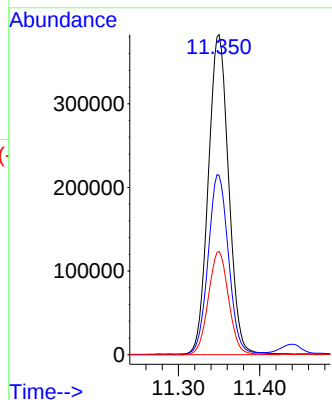
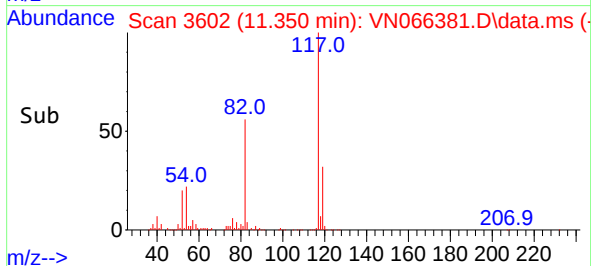




#63
Chlorobenzene-d5
Concen: 50.00 ug/l
RT: 11.350 min Scan# 3602
Delta R.T. 0.000 min
Lab File: VN066381.D
Acq: 29 Mar 2021 16:58



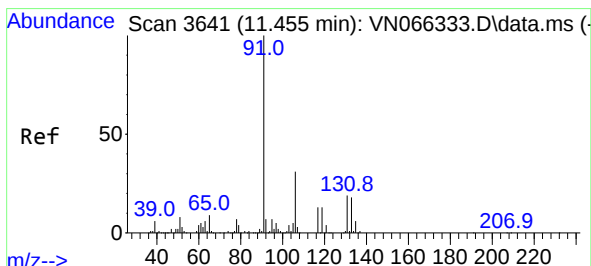
Tgt Ion:117 Resp: 666415
Ion Ratio Lower Upper
117 100
82 55.8 44.2 66.4
119 32.3 25.8 38.6



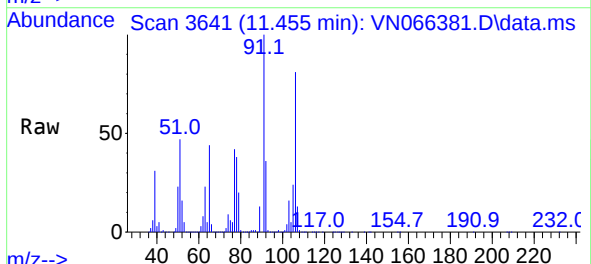
Instrument :
MSVOA_N
ClientSampled :
ASR4

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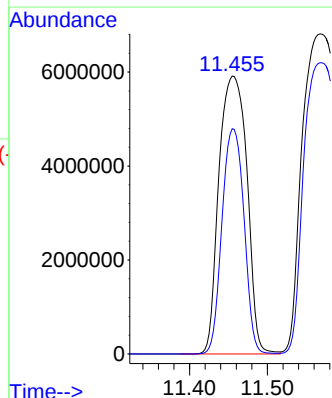
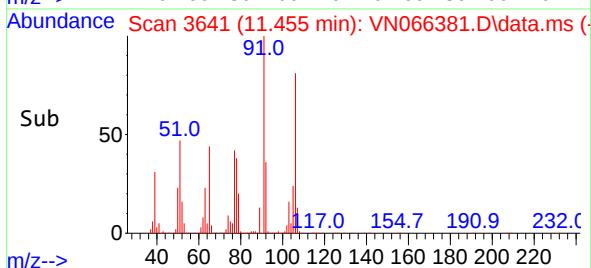
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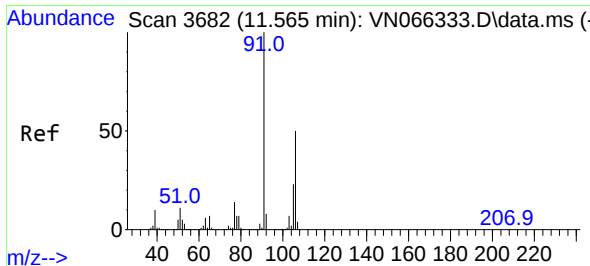


#67
Ethyl Benzene
Concen: 613.08 ug/l
RT: 11.455 min Scan# 3641
Delta R.T. 0.000 min
Lab File: VN066381.D
Acq: 29 Mar 2021 16:58



Tgt Ion: 91 Resp:14785919
Ion Ratio Lower Upper
91 100
106 81.0 24.7 37.1#





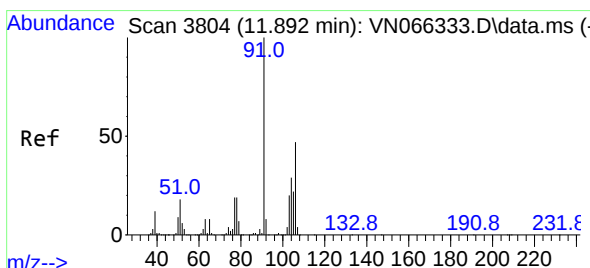
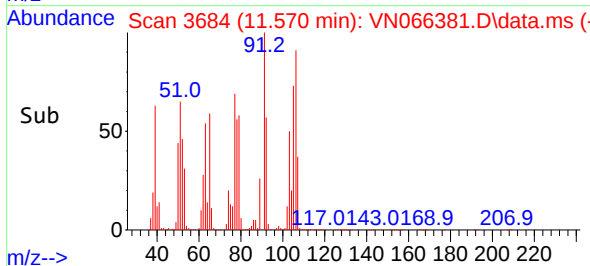
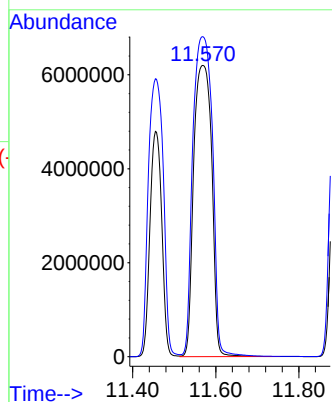
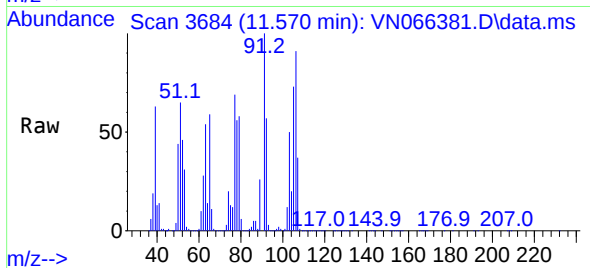
#68
m/p-Xylenes
Concen: 2038.13 ug/l
RT: 11.570 min Scan# 3684
Delta R.T. 0.005 min
Lab File: VN066381.D
Acq: 29 Mar 2021 16:58

Instrument :
MSVOA_N
ClientSampleId :
ASR4

Tgt Ion:106 Resp:18676203
Ion Ratio Lower Upper
106 100
91 119.7 162.7 244.1#

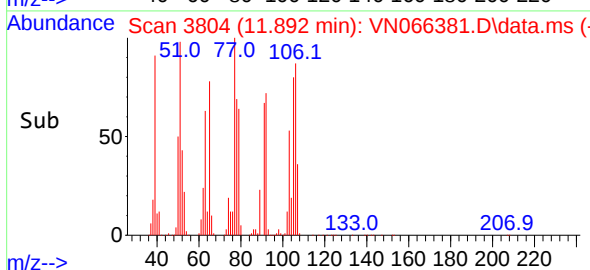
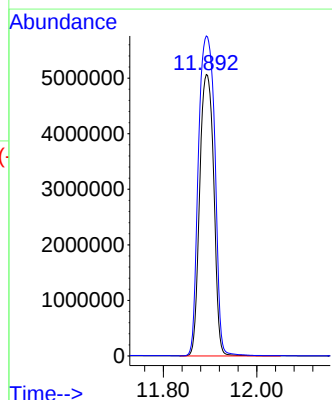
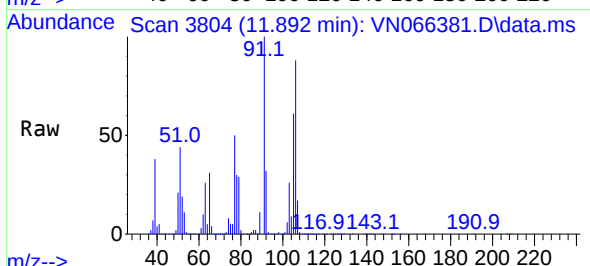
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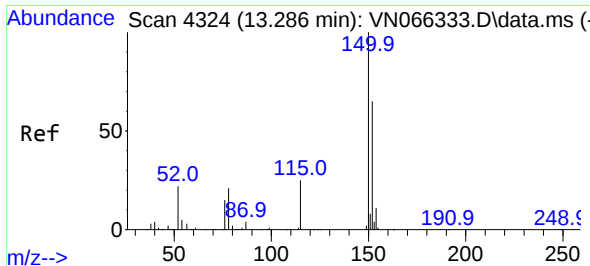
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#69
o-Xylene
Concen: 1194.37 ug/l
RT: 11.892 min Scan# 3804
Delta R.T. -0.000 min
Lab File: VN066381.D
Acq: 29 Mar 2021 16:58

Tgt Ion:106 Resp:10560030
Ion Ratio Lower Upper
106 100
91 132.6 107.1 321.4





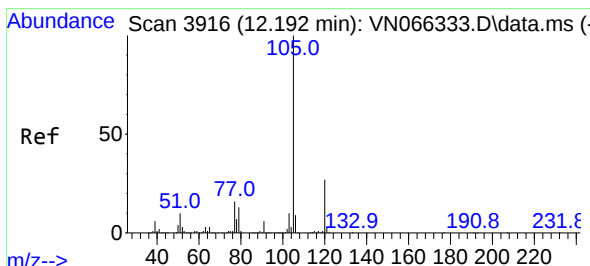
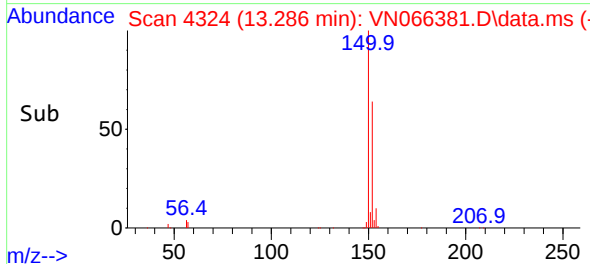
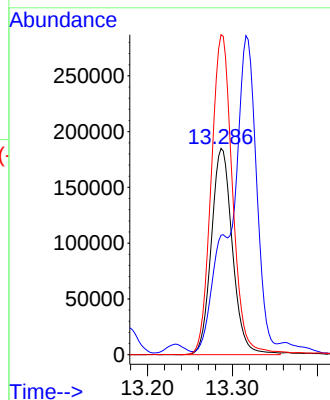
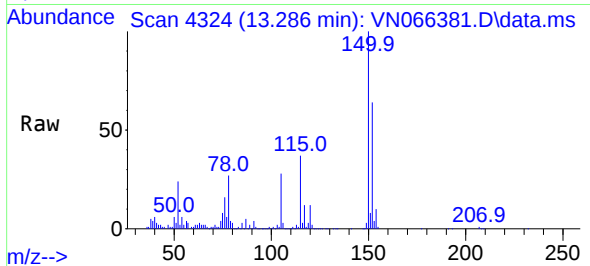
#72
1,4-Dichlorobenzene-d4
Concen: 50.00 ug/l
RT: 13.286 min Scan# 4324
Delta R.T. 0.000 min
Lab File: VN066381.D
Acq: 29 Mar 2021 16:58

Tgt Ion:152 Resp: 319214
Ion Ratio Lower Upper
152 100
115 43.1 27.8 83.4
150 157.1 0.0 348.4

Instrument :
MSVOA_N
ClientSampled :
ASR4

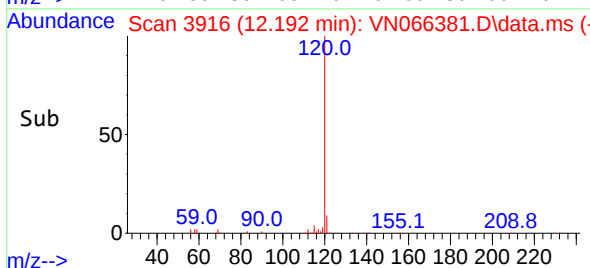
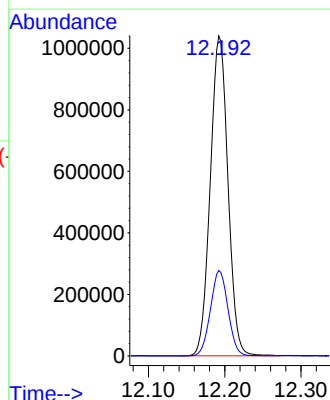
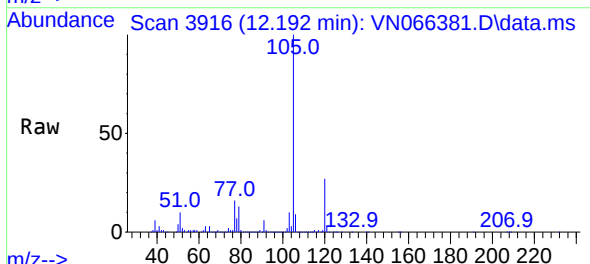
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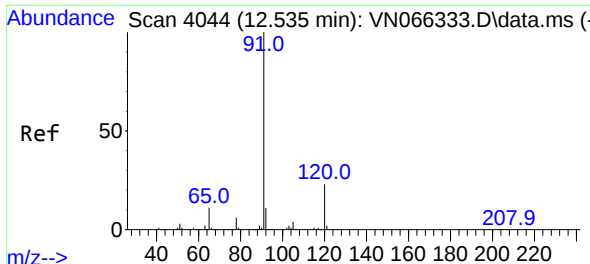
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3/30/2021 7:50:58 PM



#73
Isopropylbenzene
Concen: 70.38 ug/l
RT: 12.192 min Scan# 3916
Delta R.T. 0.000 min
Lab File: VN066381.D
Acq: 29 Mar 2021 16:58

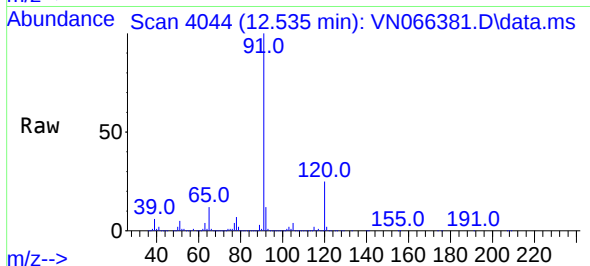
Tgt Ion:105 Resp: 1670967
Ion Ratio Lower Upper
105 100
120 26.6 13.3 39.8





#78
n-propylbenzene
Concen: 169.63 ug/l
RT: 12.535 min Scan# 4044
Delta R.T. 0.000 min
Lab File: VN066381.D
Acq: 29 Mar 2021 16:58

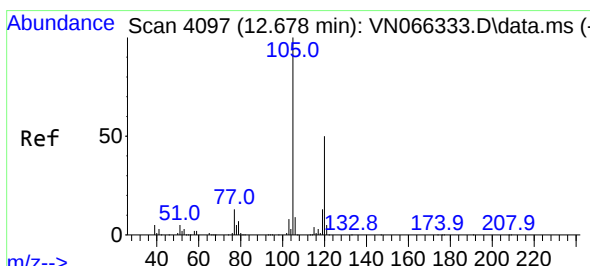
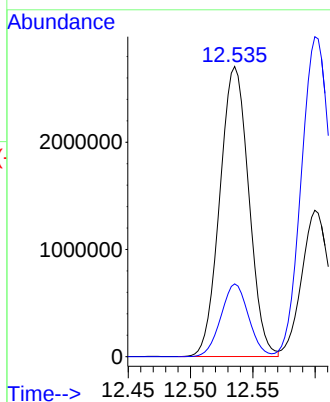
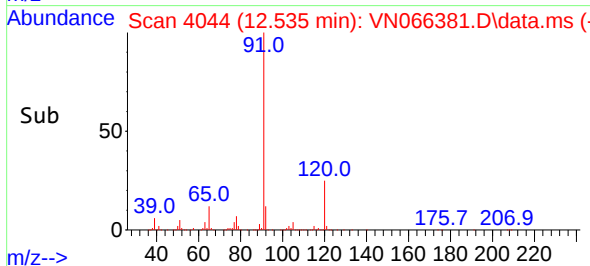
Instrument :
MSVOA_N
ClientSampled :
ASR4



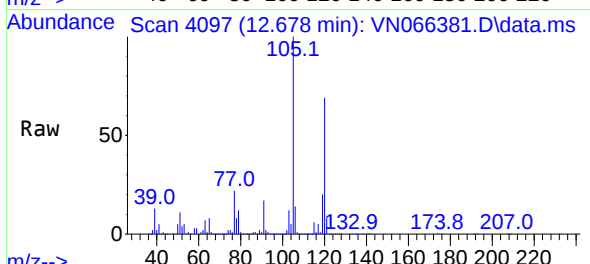
Tgt Ion: 91 Resp: 4379027
Ion Ratio Lower Upper
91 100
120 24.0 11.7 35.1

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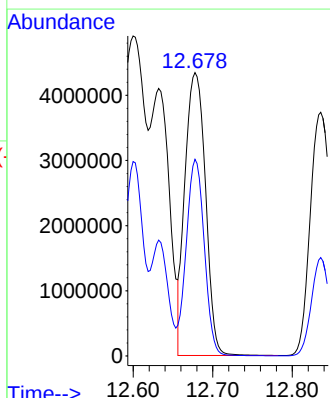
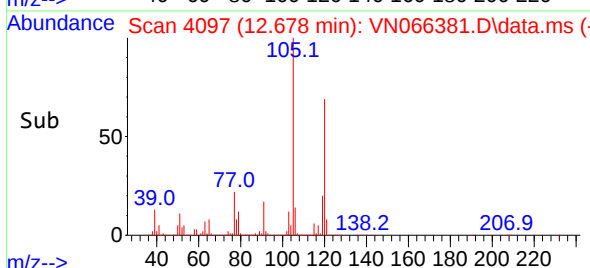
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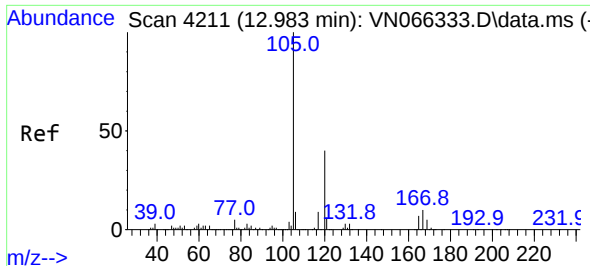


#80
1,3,5-Trimethylbenzene
Concen: 399.78 ug/l
RT: 12.678 min Scan# 4097
Delta R.T. 0.000 min
Lab File: VN066381.D
Acq: 29 Mar 2021 16:58



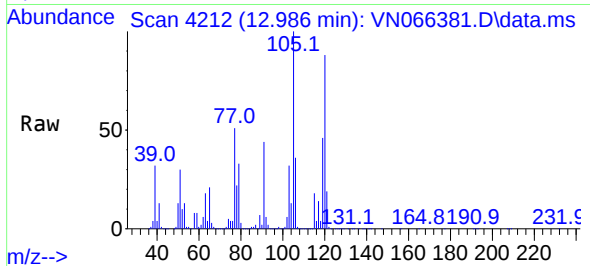
Tgt Ion: 105 Resp: 7763943
Ion Ratio Lower Upper
105 100
120 61.9 24.5 73.5





#84
1,2,4-Trimethylbenzene
Concen: 710.69 ug/l m
RT: 12.986 min Scan# 4212
Delta R.T. 0.003 min
Lab File: VN066381.D
Acq: 29 Mar 2021 16:58

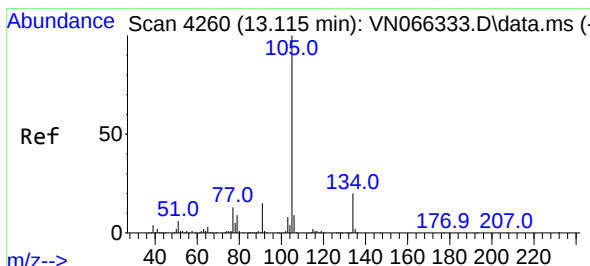
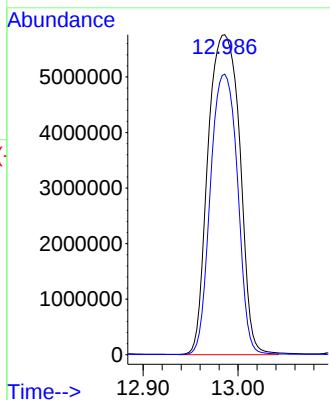
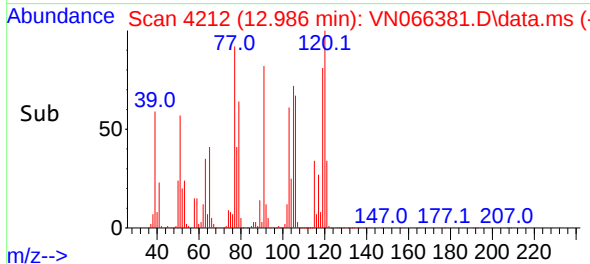
Instrument :
MSVOA_N
ClientSampled :
ASR4



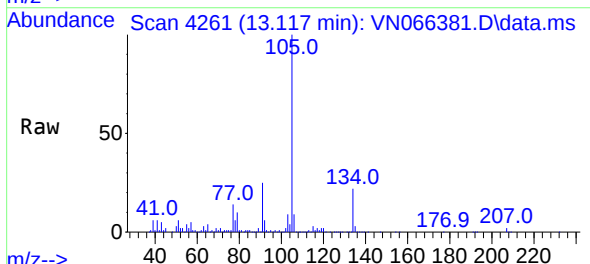
Tgt Ion:105 Resp:13410294
Ion Ratio Lower Upper
105 100
120 17.9 23.1 69.2#

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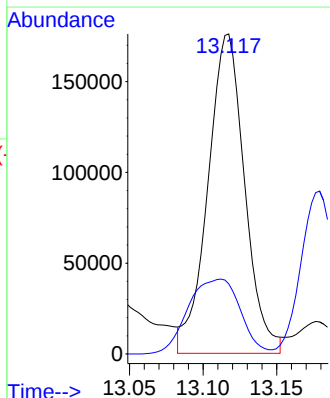
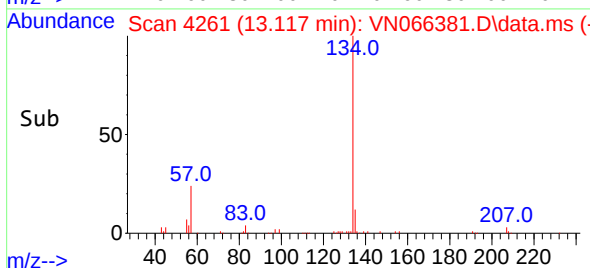
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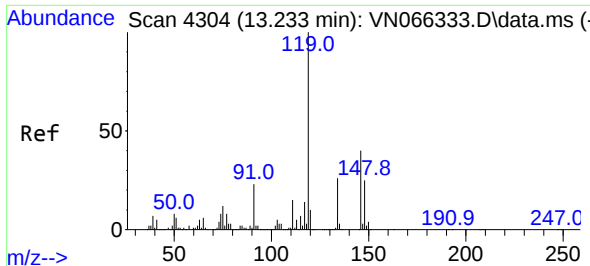


#85
sec-Butylbenzene
Concen: 14.10 ug/l m
RT: 13.117 min Scan# 4261
Delta R.T. 0.003 min
Lab File: VN066381.D
Acq: 29 Mar 2021 16:58



Tgt Ion:105 Resp: 305419
Ion Ratio Lower Upper
105 100
134 0.0 9.9 29.7#





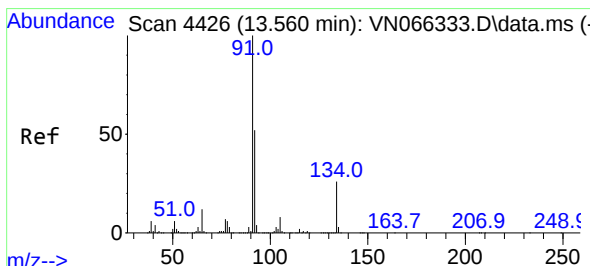
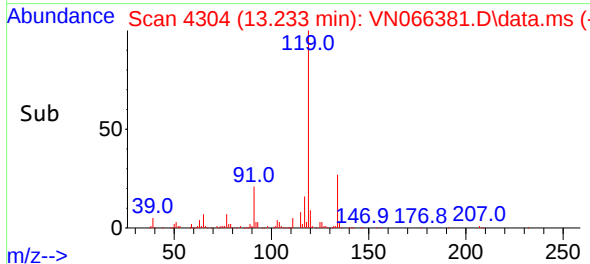
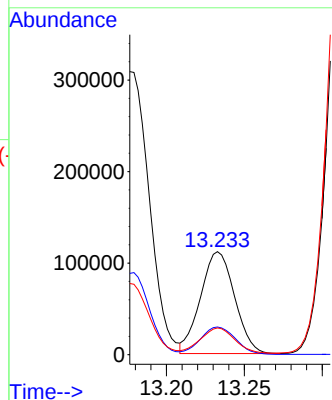
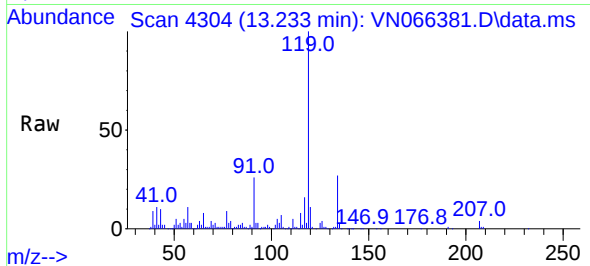
#86
p-Isopropyltoluene
Concen: 8.73 ug/l
RT: 13.233 min Scan# 4304
Delta R.T. 0.000 min
Lab File: VN066381.D
Acq: 29 Mar 2021 16:58

Tgt Ion: 119 Resp: 169296
Ion Ratio Lower Upper
119 100
134 27.8 12.9 38.7
91 0.0 11.5 34.5#

Instrument :
MSVOA_N
ClientSampled :
ASR4

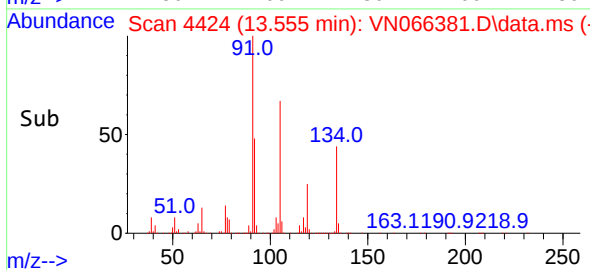
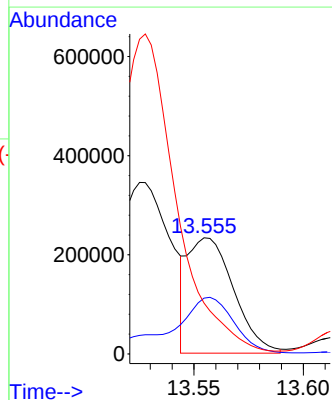
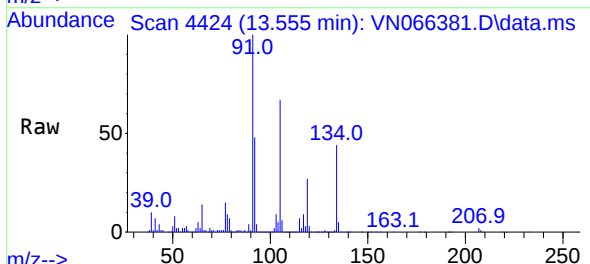
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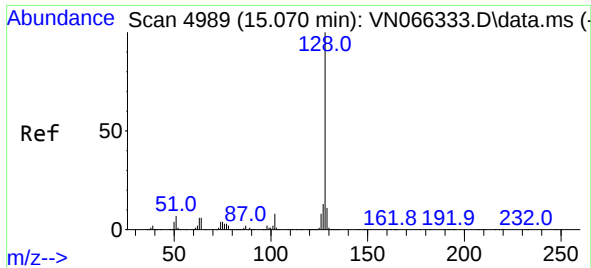
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3/30/2021 7:50:58 PM



#89
n-Butylbenzene
Concen: 21.15 ug/l m
RT: 13.555 min Scan# 4424
Delta R.T. -0.005 min
Lab File: VN066381.D
Acq: 29 Mar 2021 16:58

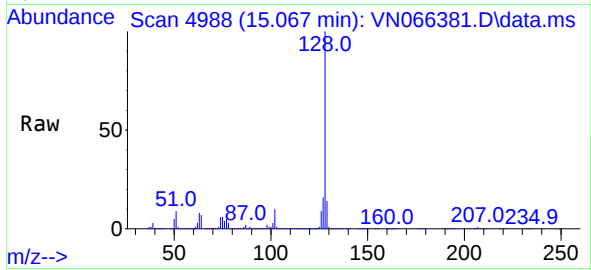
Tgt Ion: 91 Resp: 339035
Ion Ratio Lower Upper
91 100
92 0.0 26.1 78.3#
134 343.2 12.8 38.4#





#95
Naphthalene
Concen: 379.59 ug/l
RT: 15.067 min Scan# 4988
Delta R.T. -0.003 min
Lab File: VN066381.D
Acq: 29 Mar 2021 16:58

Instrument :
MSVOA_N
ClientSampleId :
ASR4



Tgt Ion:128 Resp: 6919439
Ion Ratio Lower Upper
128 100
127 14.5 10.5 15.7
129 12.1 8.5 12.7

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3/30/2021 7:50:58 PM

