

Data Path : Z:\voasrv\HPCHEM1\MSVOA_N\Data\VN011121\
 Data File : VN065469.D
 Acq On : 11 Jan 2021 15:40
 Operator : JC/MD
 Sample : M1040-04 50X
 Misc : 5.00mL/MSVOA_N/WATER
 ALS Vial : 13 Sample Multiplier: 1

Instrument :
 MSVOA_N
 ClientSampleId :
 41661

Manual Integrations
 APPROVED

MMDadoda
 1/12/2021 9:18:15 AM

Quant Time: Jan 12 00:08:54 2021
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA_N\methods\82N122220W.M
 Quant Title : SW846 8260
 QLast Update : Tue Dec 22 15:42:18 2020
 Response via : Initial Calibration

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

Internal Standards						
1) Pentafluorobenzene	7.631	168	216863	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	8.553	114	355127	50.00	ug/l	0.00
63) Chlorobenzene-d5	11.380	117	380668	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.318	152	178621	50.00	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	7.991	65	118342	48.34	ug/l	0.00
Spiked Amount 50.000	Range 61 - 141		Recovery =	96.68%		
35) Dibromofluoromethane	7.553	113	108551	50.67	ug/l	0.00
Spiked Amount 50.000	Range 69 - 133		Recovery =	101.34%		
50) Toluene-d8	10.061	98	441602	54.99	ug/l	0.00
Spiked Amount 50.000	Range 65 - 126		Recovery =	109.98%		
62) 4-Bromofluorobenzene	12.376	95	181926	56.54	ug/l	0.00
Spiked Amount 50.000	Range 58 - 135		Recovery =	113.08%		
Target Compounds						Qvalue
19) Methyl tert-butyl Ether	5.023	73	8217m	1.21	ug/l	
39) Methylcyclohexane	9.045	83	7087	1.83	ug/l	95
40) Benzene	8.004	78	360481	37.53	ug/l	98
52) Toluene	10.126	92	979020	161.71	ug/l	99
67) Ethyl Benzene	11.482	91	168440	12.06	ug/l	99
68) m/p-Xylenes	11.592	106	232172	44.14	ug/l	99
69) o-Xylene	11.920	106	114380	22.40	ug/l	100
73) Isopropylbenzene	12.222	105	11251	0.83	ug/l	100
78) n-propylbenzene	12.566	91	28148	1.83	ug/l	97
80) 1,3,5-Trimethylbenzene	12.708	105	39686	3.42	ug/l	99
84) 1,2,4-Trimethylbenzene	13.013	105	160590	14.22	ug/l	99
85) sec-Butylbenzene	13.148	105	5882	0.45	ug/l	85
86) p-Isopropyltoluene	13.264	119	3548	0.30	ug/l	97
89) n-Butylbenzene	13.589	91	5470	0.53	ug/l #	82
95) Naphthalene	15.106	128	18423	5.23	ug/l	98

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

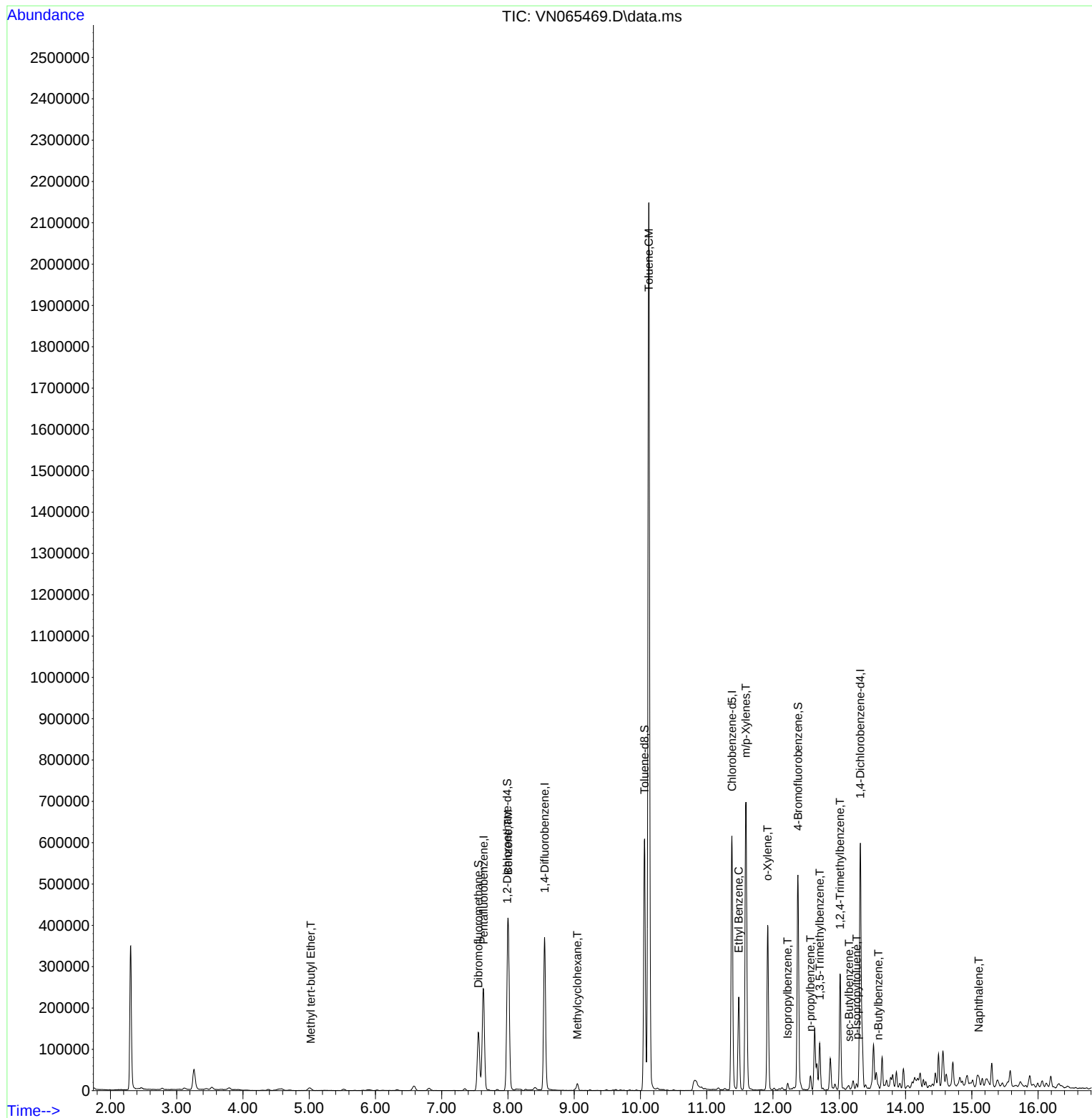
Data Path : Z:\voasrv\HPCHEM1\MSVOA_N\Data\VN011121\
Data File : VN065469.D
Acq On : 11 Jan 2021 15:40
Operator : JC/MD
Sample : M1040-04 50X
Misc : 5.00mL/MSVOA_N/WATER
ALS Vial : 13 Sample Multiplier: 1

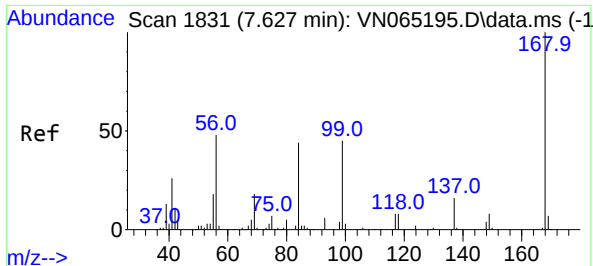
Instrument :
MSVOA_N
ClientSampleId :
41661

Manual Integrations
APPROVED

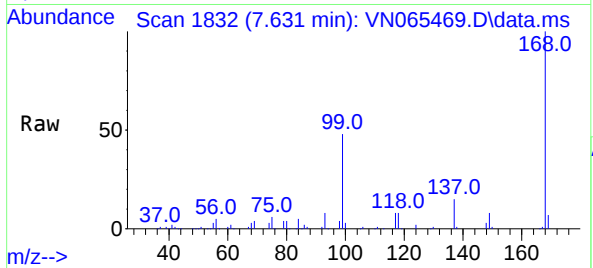
MMDadoda
1/12/2021 9:18:15 AM

Quant Time: Jan 12 00:08:54 2021
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_N\methods\82N122220W.M
Quant Title : SW846 8260
QLast Update : Tue Dec 22 15:42:18 2020
Response via : Initial Calibration

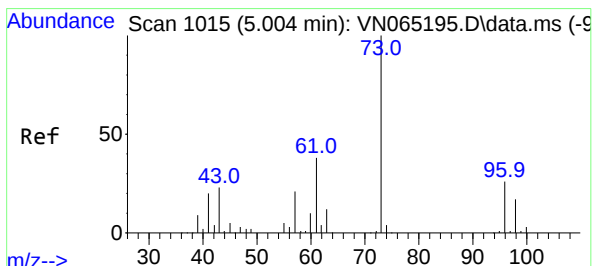
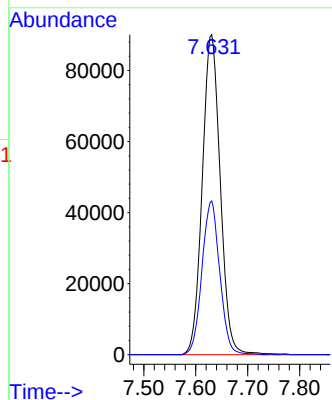
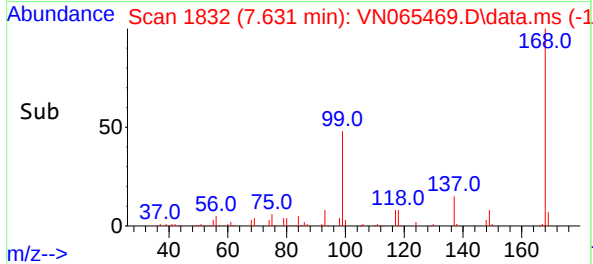




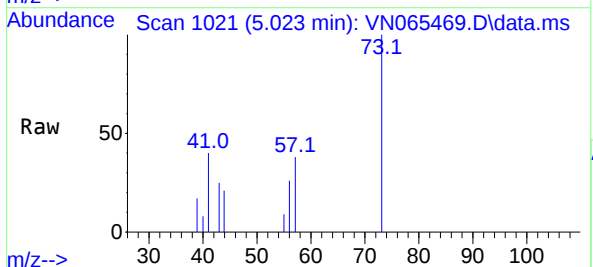
#1
Pentafluorobenzene
Concen: 50.00 ug/l
RT: 7.631 min Scan# 1832
Delta R.T. 0.004 min
Lab File: VN065469.D
Acq: 11 Jan 2021 15:40



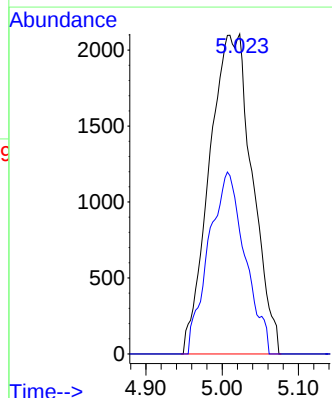
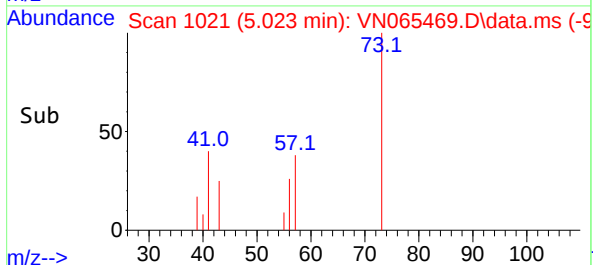
Tgt Ion:168 Resp: 216863
Ion Ratio Lower Upper
168 100
99 48.1 43.0 64.4



#19
Methyl tert-butyl Ether
Concen: 1.21 ug/l m
RT: 5.023 min Scan# 1021
Delta R.T. 0.019 min
Lab File: VN065469.D
Acq: 11 Jan 2021 15:40



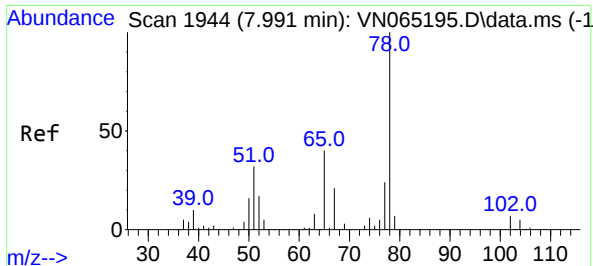
Tgt Ion: 73 Resp: 8217
Ion Ratio Lower Upper
73 100
57 38.2 17.4 26.0#



Instrument :
MSVOA_N
ClientSampled :
41661

Manual Integrations
APPROVED

MMDadoda
1/12/2021 9:18:15 AM



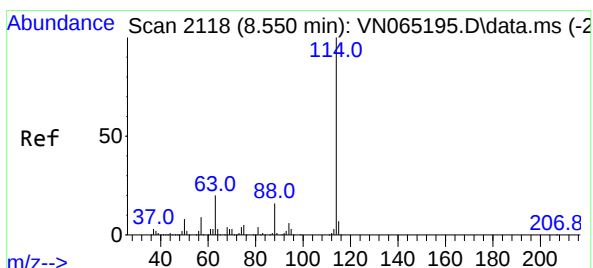
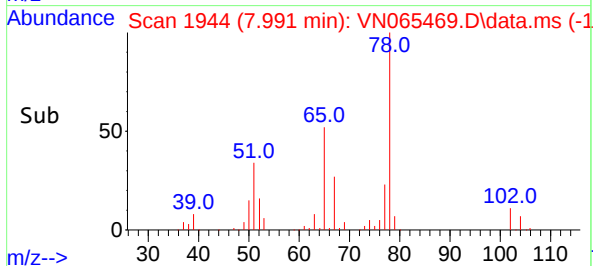
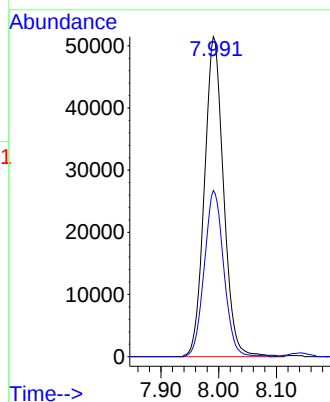
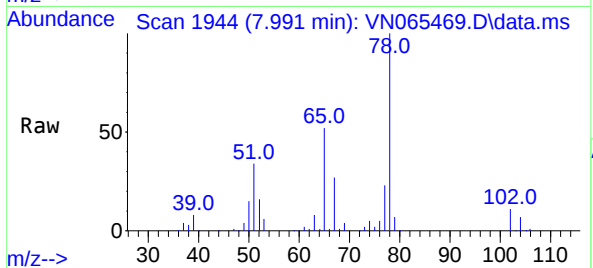
#33
1,2-Dichloroethane-d4
Concen: 48.34 ug/l
RT: 7.991 min Scan# 1944
Delta R.T. -0.000 min
Lab File: VN065469.D
Acq: 11 Jan 2021 15:40

Tgt Ion: 65 Resp: 118342
Ion Ratio Lower Upper
65 100
67 52.9 0.0 108.2

Instrument :
MSVOA_N
ClientSampled :
41661

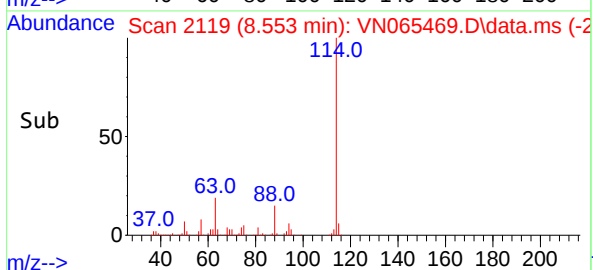
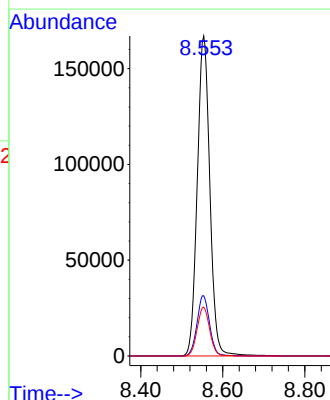
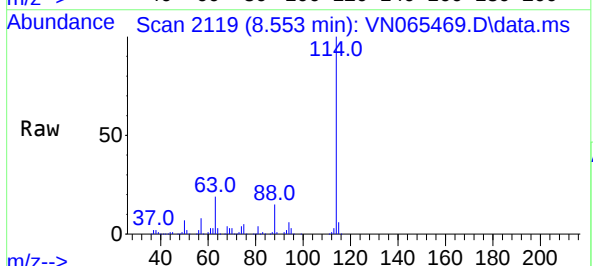
Manual Integrations
APPROVED

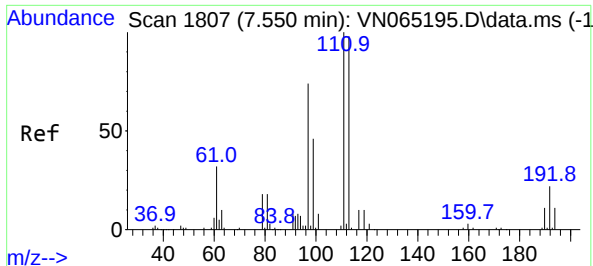
MMDadoda
1/12/2021 9:18:15 AM



#34
1,4-Difluorobenzene
Concen: 50.00 ug/l
RT: 8.553 min Scan# 2119
Delta R.T. 0.003 min
Lab File: VN065469.D
Acq: 11 Jan 2021 15:40

Tgt Ion: 114 Resp: 355127
Ion Ratio Lower Upper
114 100
63 18.8 0.0 38.6
88 15.3 0.0 32.6





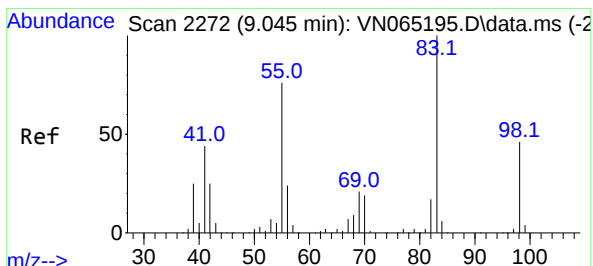
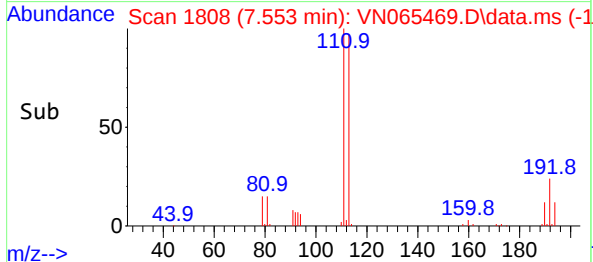
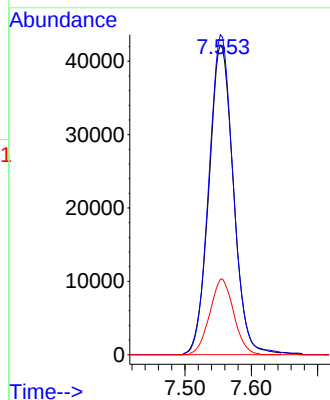
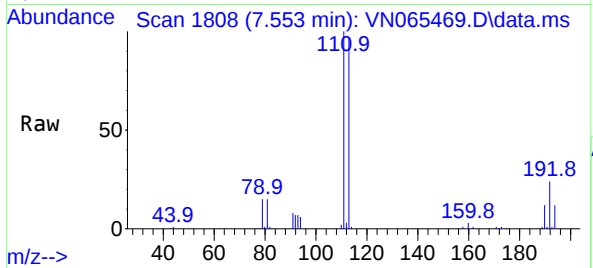
#35
Dibromofluoromethane
Concen: 50.67 ug/l
RT: 7.553 min Scan# 1808
Delta R.T. 0.003 min
Lab File: VN065469.D
Acq: 11 Jan 2021 15:40

Tgt Ion: 113 Resp: 108551
Ion Ratio Lower Upper
113 100
111 102.5 81.6 122.4
192 23.9 16.2 24.2

Instrument :
MSVOA_N
ClientSampleId :
41661

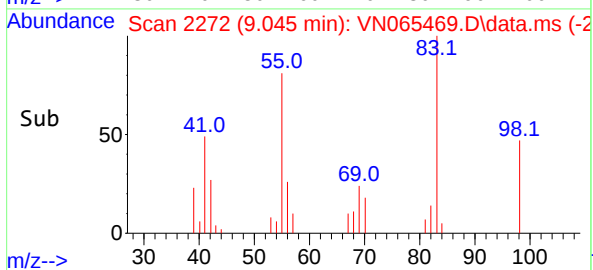
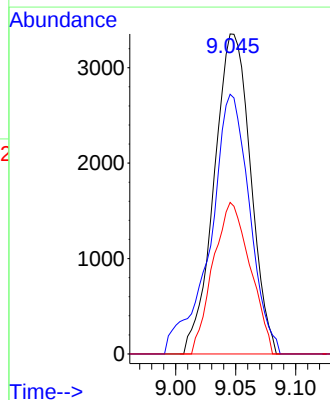
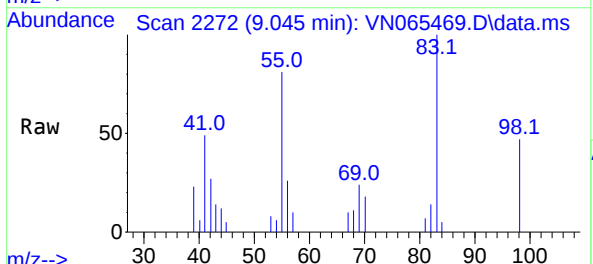
Manual Integrations
APPROVED

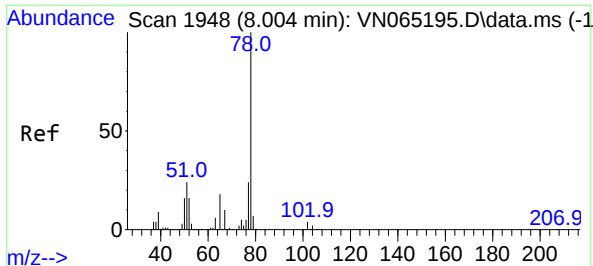
MMDadoda
1/12/2021 9:18:15 AM



#39
Methylcyclohexane
Concen: 1.83 ug/l
RT: 9.045 min Scan# 2272
Delta R.T. 0.000 min
Lab File: VN065469.D
Acq: 11 Jan 2021 15:40

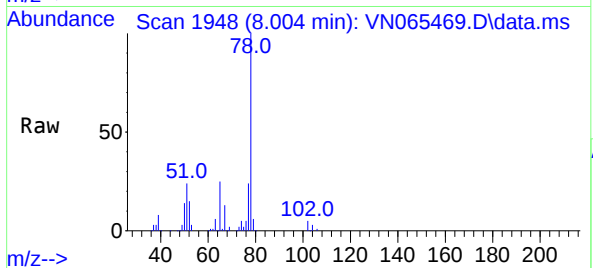
Tgt Ion: 83 Resp: 7087
Ion Ratio Lower Upper
83 100
55 81.2 60.2 90.2
98 47.3 37.4 56.2





#40
Benzene
Concen: 37.53 ug/l
RT: 8.004 min Scan# 1948
Delta R.T. -0.000 min
Lab File: VN065469.D
Acq: 11 Jan 2021 15:40

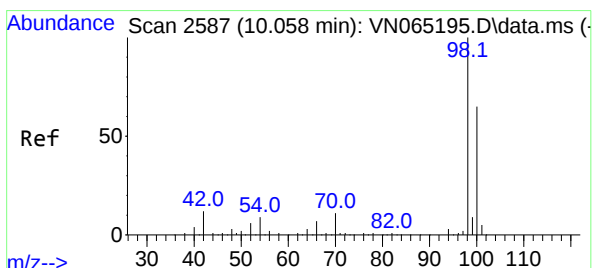
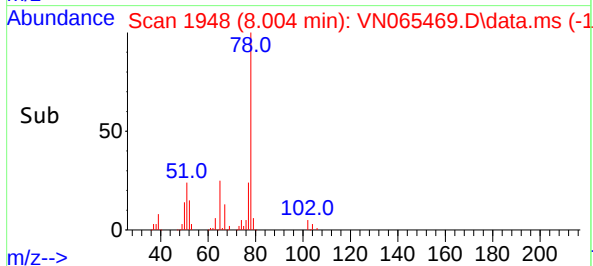
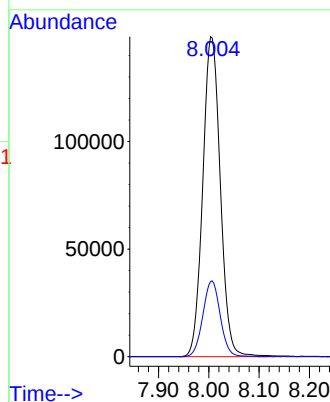
Instrument :
MSVOA_N
ClientSampled :
41661



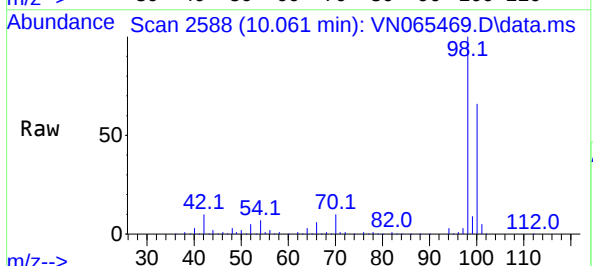
Tgt Ion: 78 Resp: 360481
Ion Ratio Lower Upper
78 100
77 23.5 17.9 26.9

Manual Integrations
APPROVED

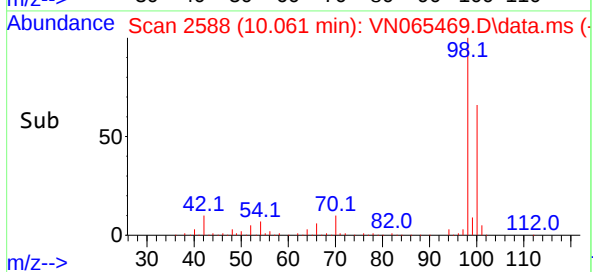
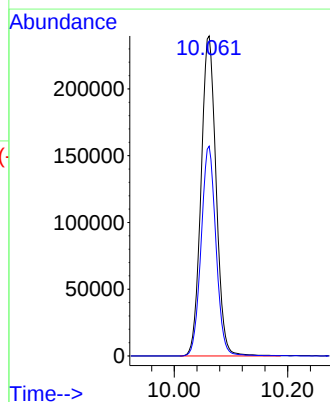
MMDadoda
1/12/2021 9:18:15 AM

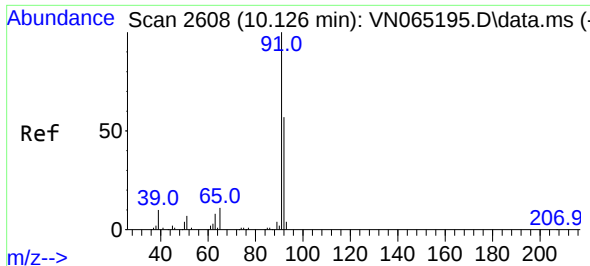


#50
Toluene-d8
Concen: 54.99 ug/l
RT: 10.061 min Scan# 2588
Delta R.T. 0.003 min
Lab File: VN065469.D
Acq: 11 Jan 2021 15:40



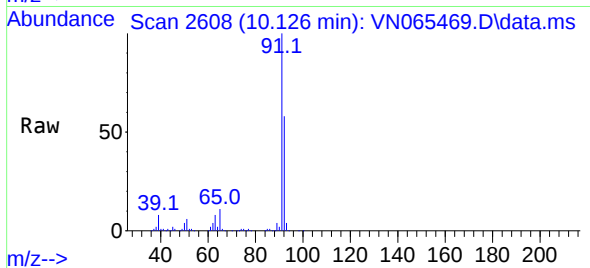
Tgt Ion: 98 Resp: 441602
Ion Ratio Lower Upper
98 100
100 64.7 51.7 77.5





#52
Toluene
Concen: 161.71 ug/l
RT: 10.126 min Scan# 2608
Delta R.T. -0.000 min
Lab File: VN065469.D
Acq: 11 Jan 2021 15:40

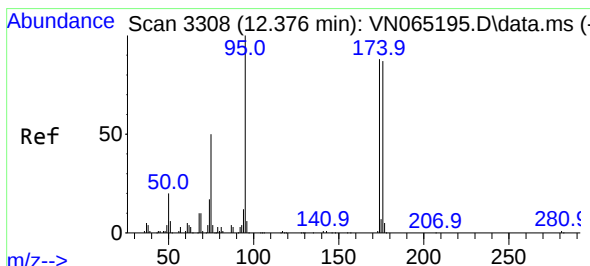
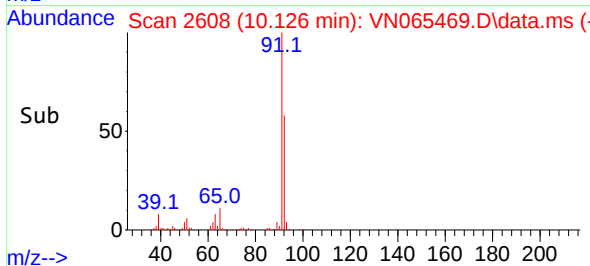
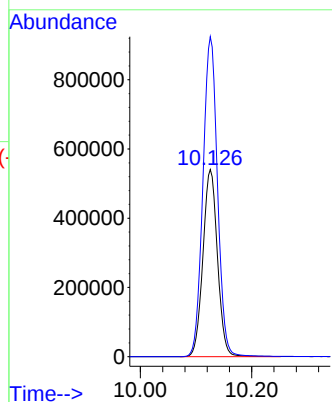
Instrument :
MSVOA_N
ClientSampled :
41661



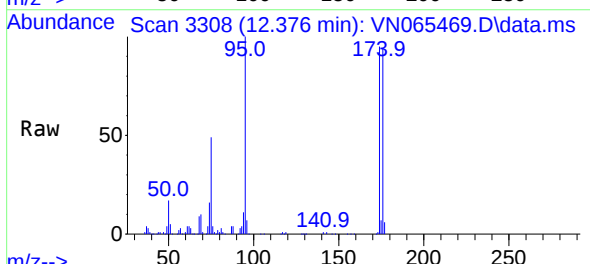
Tgt Ion: 92 Resp: 979020
Ion Ratio Lower Upper
92 100
91 172.0 139.1 208.7

Manual Integrations
APPROVED

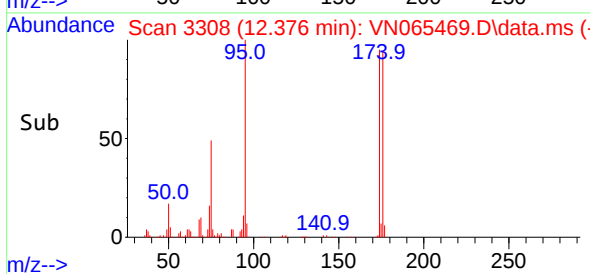
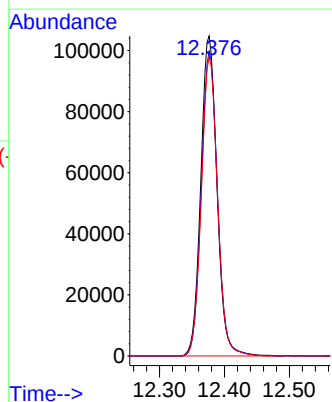
MMDadoda
1/12/2021 9:18:15 AM

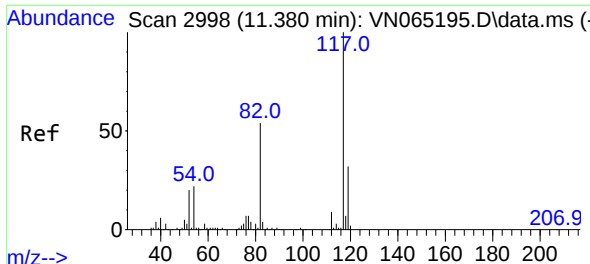


#62
4-Bromofluorobenzene
Concen: 56.54 ug/l
RT: 12.376 min Scan# 3308
Delta R.T. 0.000 min
Lab File: VN065469.D
Acq: 11 Jan 2021 15:40



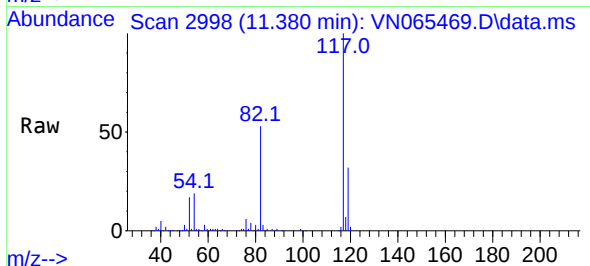
Tgt Ion: 95 Resp: 181926
Ion Ratio Lower Upper
95 100
174 95.4 0.0 160.4
176 93.2 0.0 158.4





#63
Chlorobenzene-d5
Concen: 50.00 ug/l
RT: 11.380 min Scan# 2998
Delta R.T. -0.000 min
Lab File: VN065469.D
Acq: 11 Jan 2021 15:40

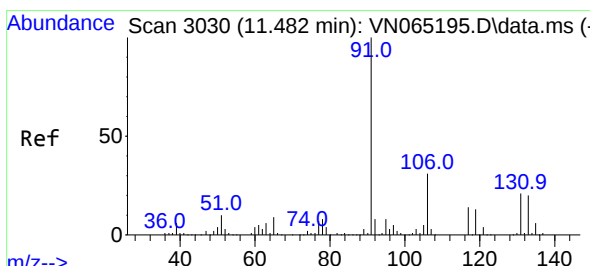
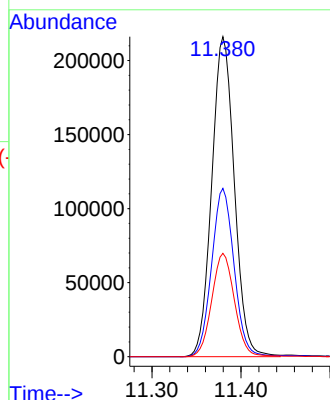
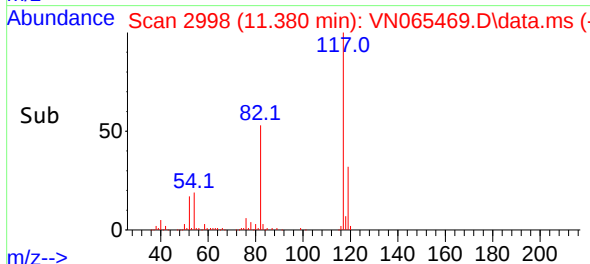
Instrument :
MSVOA_N
ClientSampled :
41661



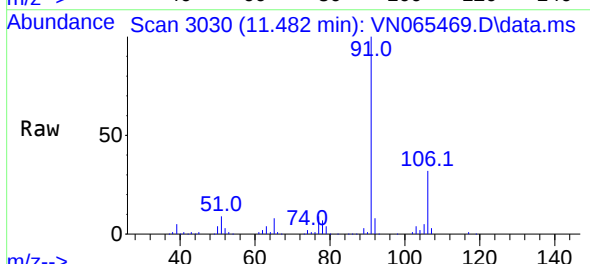
Tgt Ion:117 Resp: 380668
Ion Ratio Lower Upper
117 100
82 52.6 44.2 66.2
119 32.3 25.8 38.6

Manual Integrations
APPROVED

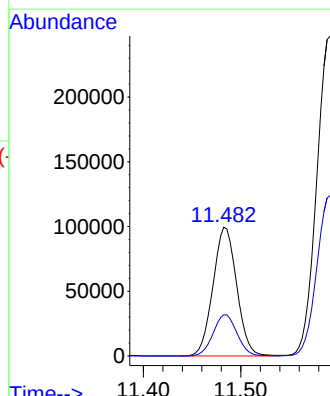
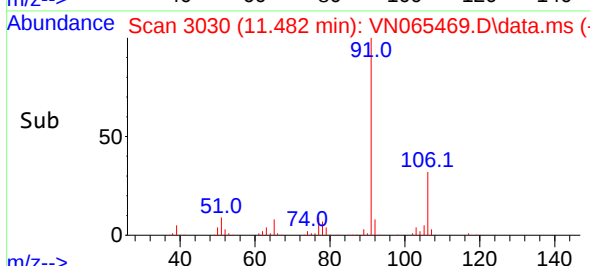
MMDadoda
1/12/2021 9:18:15 AM

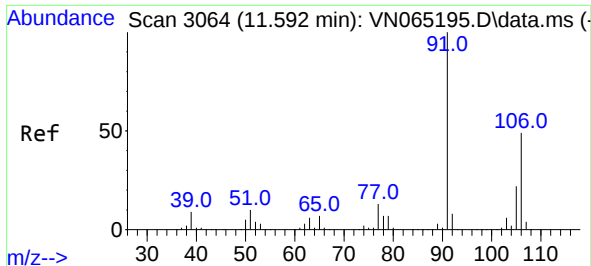


#67
Ethyl Benzene
Concen: 12.06 ug/l
RT: 11.482 min Scan# 3030
Delta R.T. 0.000 min
Lab File: VN065469.D
Acq: 11 Jan 2021 15:40



Tgt Ion: 91 Resp: 168440
Ion Ratio Lower Upper
91 100
106 31.9 25.2 37.8





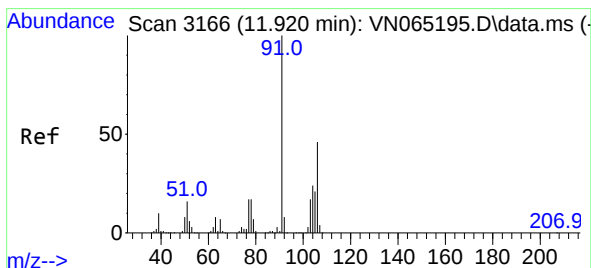
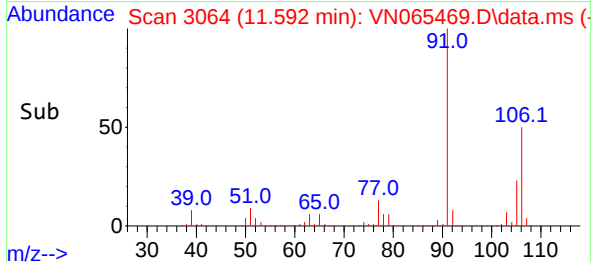
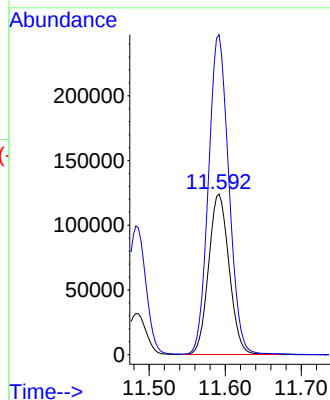
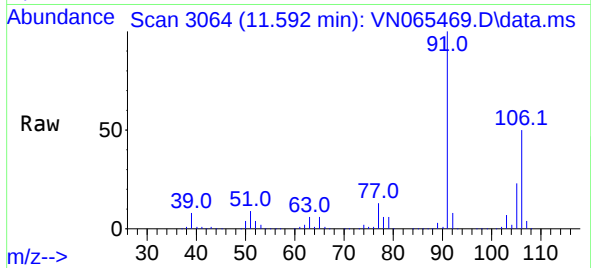
#68
m/p-Xylenes
Concen: 44.14 ug/l
RT: 11.592 min Scan# 3064
Delta R.T. -0.000 min
Lab File: VN065469.D
Acq: 11 Jan 2021 15:40

Tgt Ion:106 Resp: 232172
Ion Ratio Lower Upper
106 100
91 199.3 161.0 241.4

Instrument :
MSVOA_N
ClientSampleId :
41661

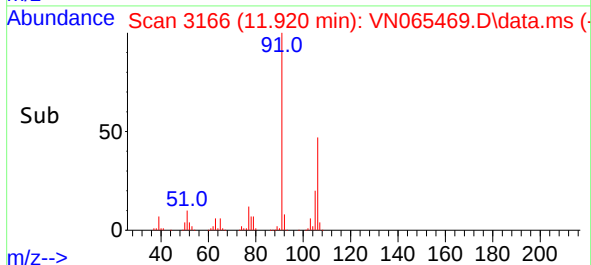
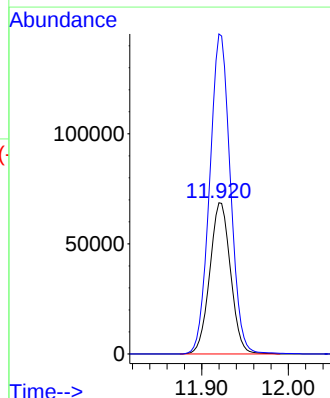
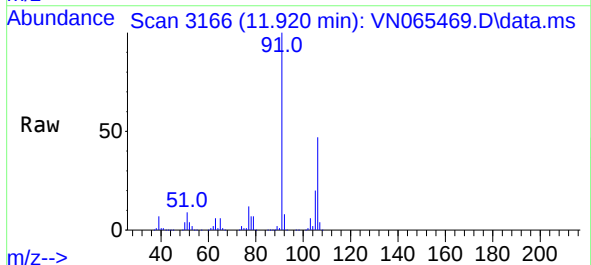
Manual Integrations
APPROVED

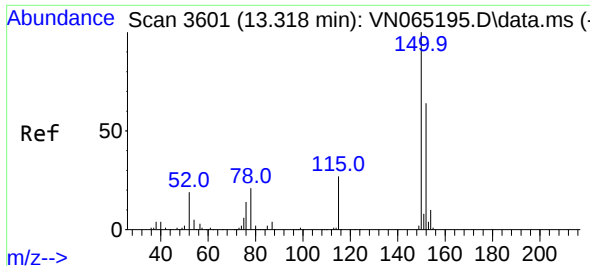
MMDadoda
1/12/2021 9:18:15 AM



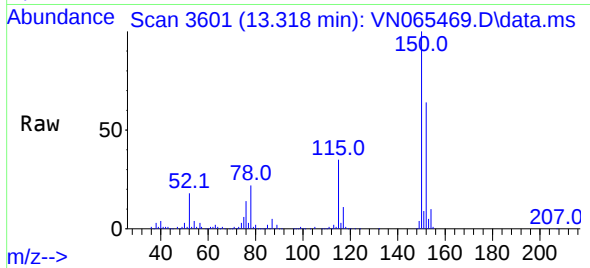
#69
o-Xylene
Concen: 22.40 ug/l
RT: 11.920 min Scan# 3166
Delta R.T. -0.000 min
Lab File: VN065469.D
Acq: 11 Jan 2021 15:40

Tgt Ion:106 Resp: 114380
Ion Ratio Lower Upper
106 100
91 211.5 105.5 316.5

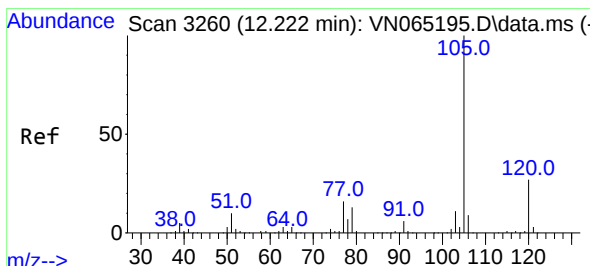
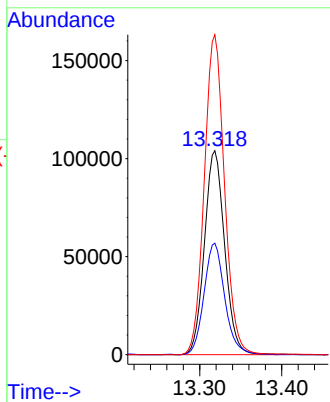
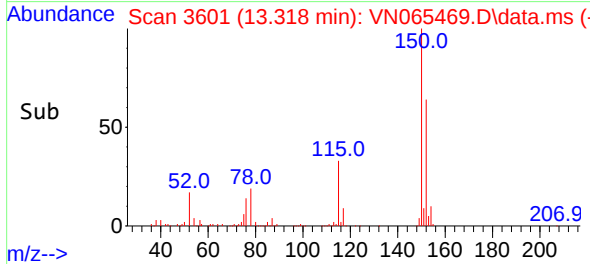




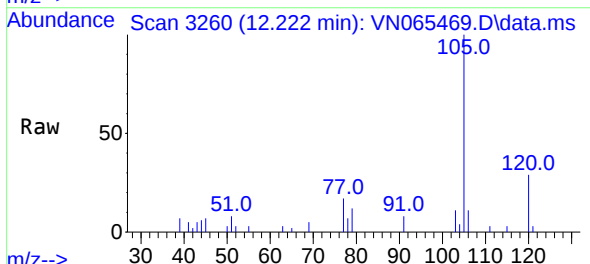
#72
1,4-Dichlorobenzene-d4
Concen: 50.00 ug/l
RT: 13.318 min Scan# 3601
Delta R.T. 0.000 min
Lab File: VN065469.D
Acq: 11 Jan 2021 15:40



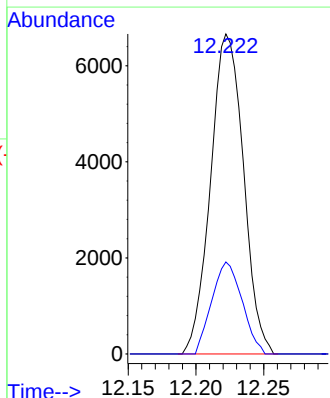
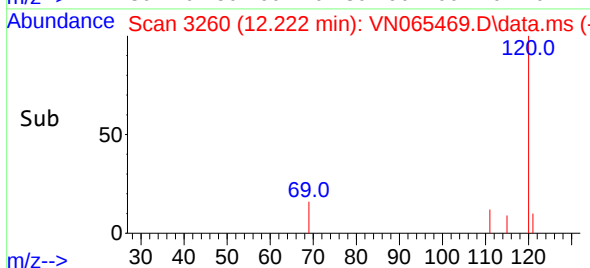
Tgt Ion:152 Resp: 178621
Ion Ratio Lower Upper
152 100
115 56.0 29.7 89.1
150 156.8 0.0 350.6



#73
Isopropylbenzene
Concen: 0.83 ug/l
RT: 12.222 min Scan# 3260
Delta R.T. 0.000 min
Lab File: VN065469.D
Acq: 11 Jan 2021 15:40



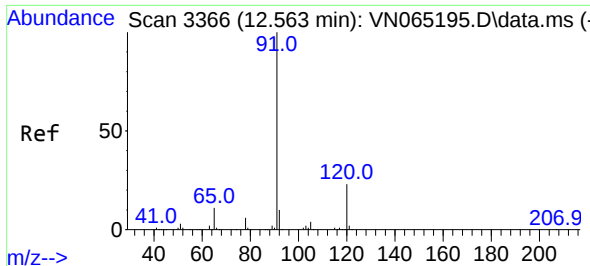
Tgt Ion:105 Resp: 11251
Ion Ratio Lower Upper
105 100
120 26.4 13.3 39.9



Instrument :
MSVOA_N
ClientSampleId :
41661

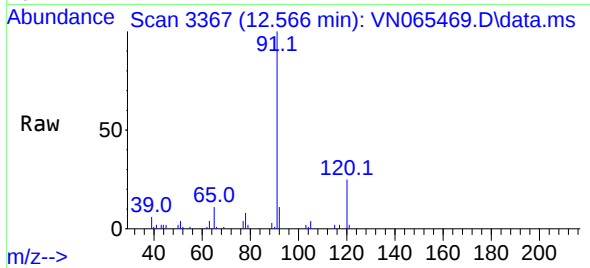
Manual Integrations
APPROVED

MMDadoda
1/12/2021 9:18:15 AM



#78
n-propylbenzene
Concen: 1.83 ug/l
RT: 12.566 min Scan# 3367
Delta R.T. 0.003 min
Lab File: VN065469.D
Acq: 11 Jan 2021 15:40

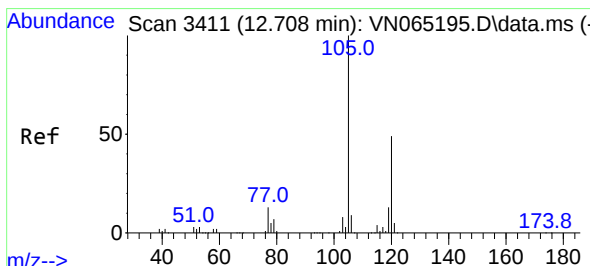
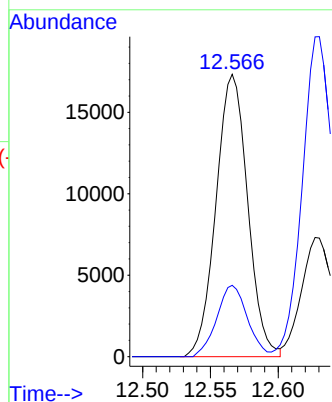
Instrument :
MSVOA_N
ClientSampled :
41661



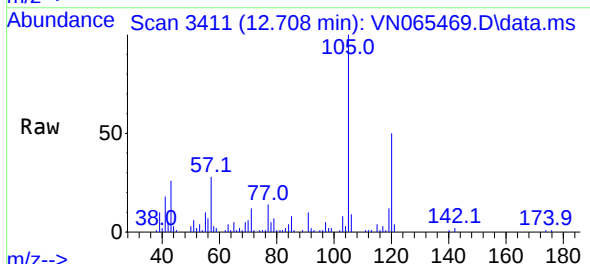
Tgt Ion: 91 Resp: 28148
Ion Ratio Lower Upper
91 100
120 24.5 11.6 34.7

Manual Integrations
APPROVED

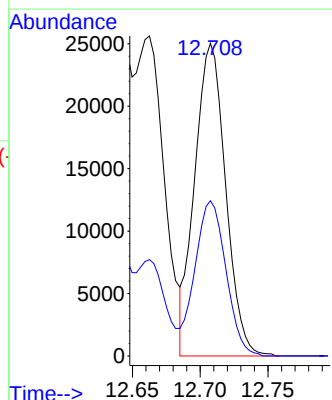
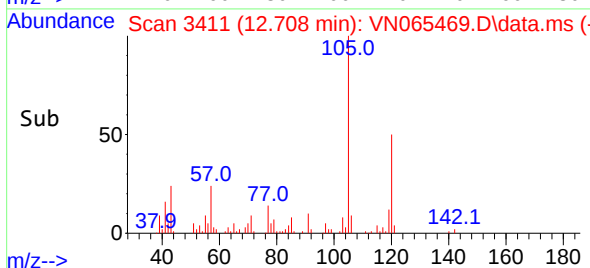
MMDadoda
1/12/2021 9:18:15 AM

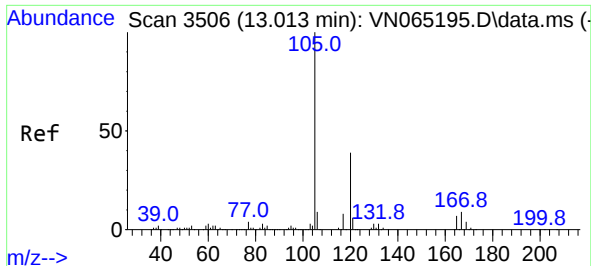


#80
1,3,5-Trimethylbenzene
Concen: 3.42 ug/l
RT: 12.708 min Scan# 3411
Delta R.T. -0.000 min
Lab File: VN065469.D
Acq: 11 Jan 2021 15:40



Tgt Ion: 105 Resp: 39686
Ion Ratio Lower Upper
105 100
120 49.6 24.6 73.6





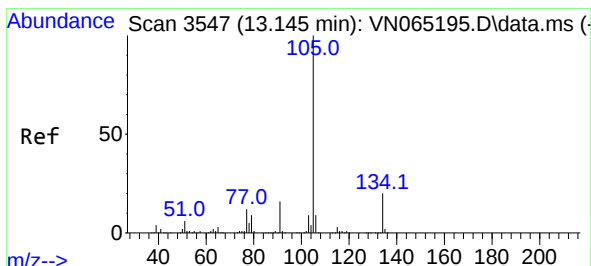
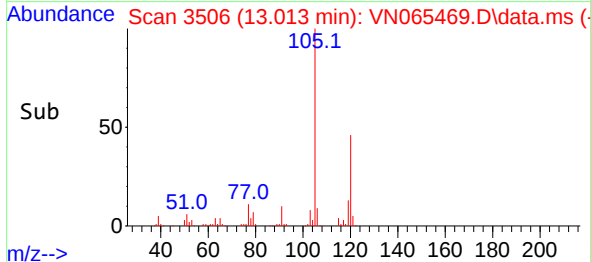
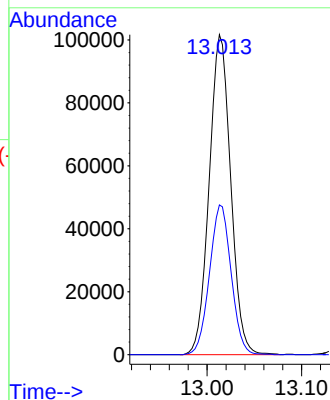
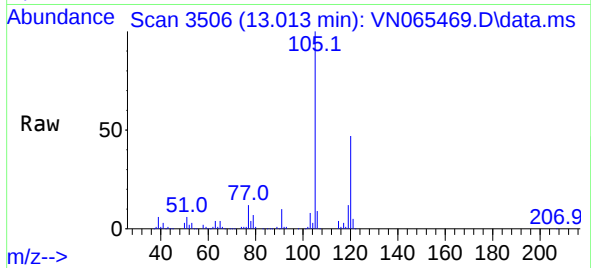
#84
1,2,4-Trimethylbenzene
Concen: 14.22 ug/l
RT: 13.013 min Scan# 3506
Delta R.T. -0.000 min
Lab File: VN065469.D
Acq: 11 Jan 2021 15:40

Tgt Ion:105 Resp: 160590
Ion Ratio Lower Upper
105 100
120 47.1 23.1 69.2

Instrument :
MSVOA_N
ClientSampled :
41661

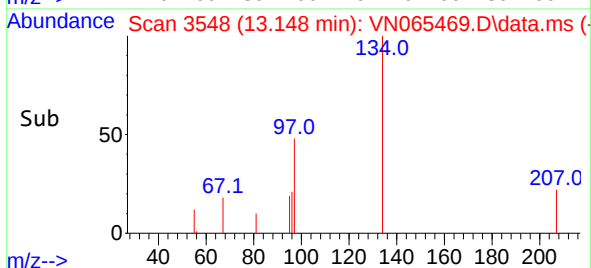
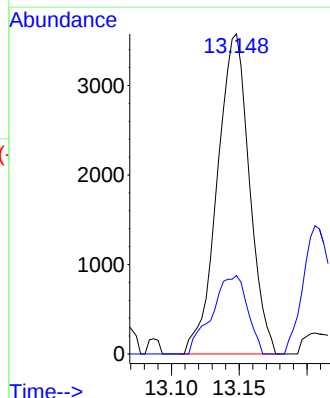
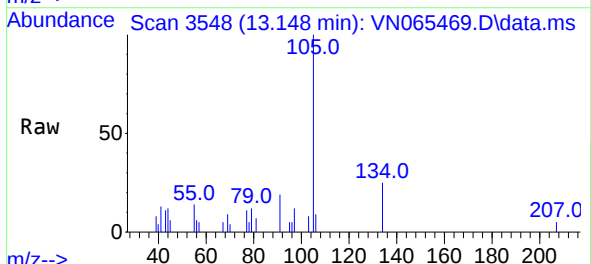
Manual Integrations
APPROVED

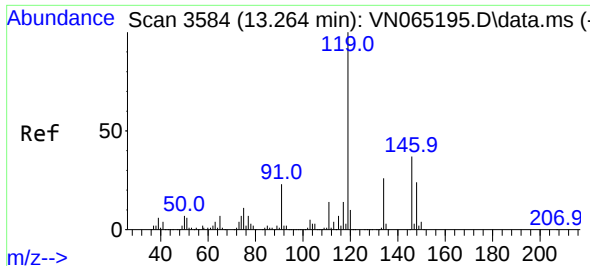
MMDadoda
1/12/2021 9:18:15 AM



#85
sec-Butylbenzene
Concen: 0.45 ug/l
RT: 13.148 min Scan# 3548
Delta R.T. 0.003 min
Lab File: VN065469.D
Acq: 11 Jan 2021 15:40

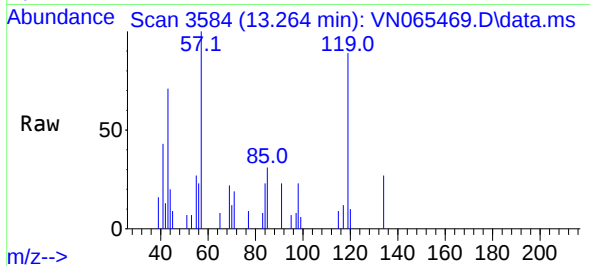
Tgt Ion:105 Resp: 5882
Ion Ratio Lower Upper
105 100
134 26.9 10.1 30.1





#86
p-Isopropyltoluene
Concen: 0.30 ug/l
RT: 13.264 min Scan# 3584
Delta R.T. -0.000 min
Lab File: VN065469.D
Acq: 11 Jan 2021 15:40

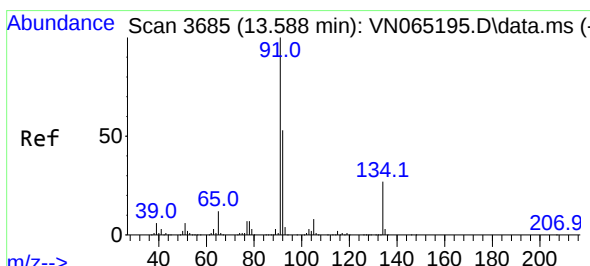
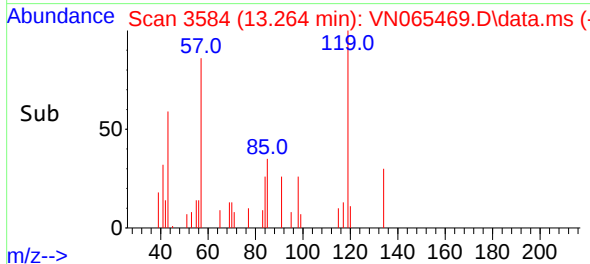
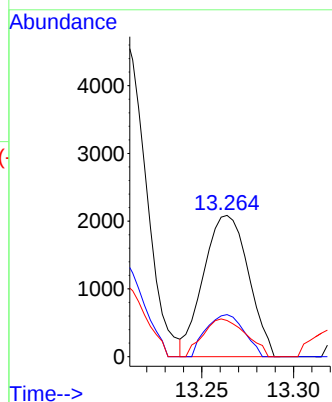
Instrument :
MSVOA_N
ClientSampled :
41661



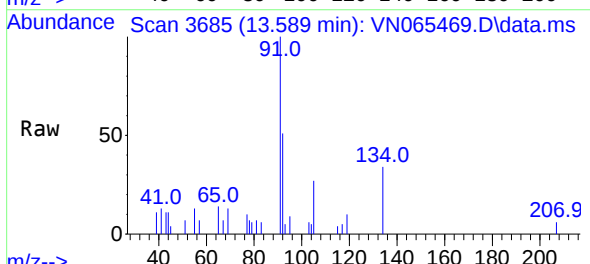
Tgt Ion: 119 Resp: 3548
Ion Ratio Lower Upper
119 100
134 25.3 13.1 39.1
91 25.5 11.5 34.5

Manual Integrations
APPROVED

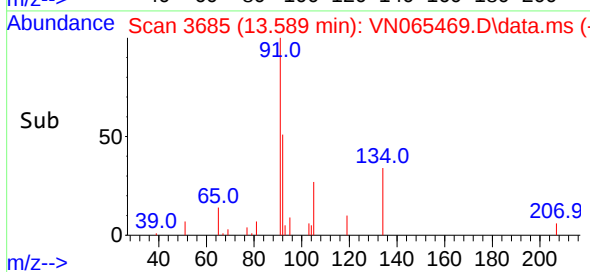
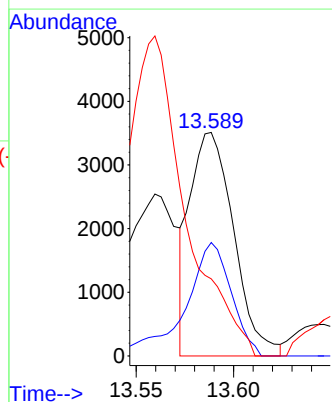
MMDadoda
1/12/2021 9:18:15 AM

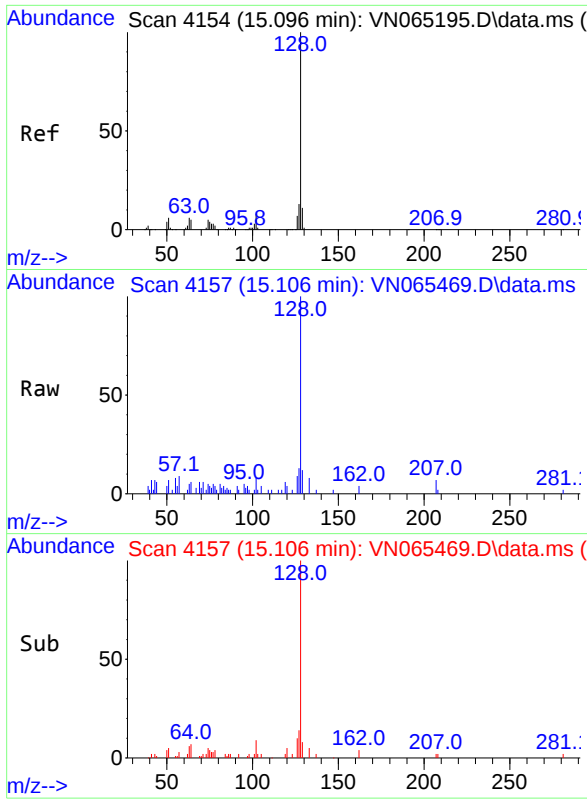


#89
n-Butylbenzene
Concen: 0.53 ug/l
RT: 13.589 min Scan# 3685
Delta R.T. 0.001 min
Lab File: VN065469.D
Acq: 11 Jan 2021 15:40



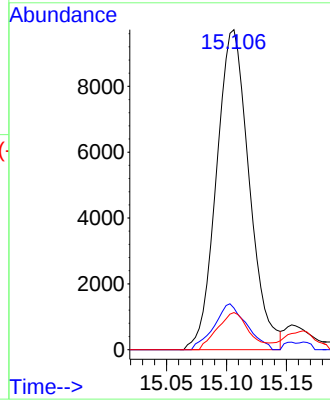
Tgt Ion: 91 Resp: 5470
Ion Ratio Lower Upper
91 100
92 53.3 26.0 78.0
134 0.0 12.9 38.6#





#95
Naphthalene
Concen: 5.23 ug/l
RT: 15.106 min Scan# 4157
Delta R.T. 0.010 min
Lab File: VN065469.D
Acq: 11 Jan 2021 15:40

Tgt Ion:	128	Resp:	18423
Ion Ratio	Lower	Upper	
128	100		
127	14.2	10.3	15.5
129	11.2	8.7	13.1



Instrument :
MSVOA_N
ClientSampleId :
41661

Manual Integrations
APPROVED

MMDadoda
1/12/2021 9:18:15 AM