

Data Path : Z:\voasrv\HPCHEM1\MSVOA_N\Data\VN082521\
 Data File : VN068311.D
 Acq On : 25 Aug 2021 20:10
 Operator : JC/MD
 Sample : M3529-04
 Misc : 5.00mL/MSVOA_N/WATER
 ALS Vial : 24 Sample Multiplier: 1

Instrument :
 MSVOA_N
 ClientSampleId :
 31116

Manual Integrations
 APPROVED

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 8/26/2021 9:06:16 AM

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Quant Time: Aug 26 05:41:01 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	8.086	168	745781	50.000	ug/l	# 0.00
34) 1,4-Difluorobenzene	8.971	114	1074165	50.000	ug/l	0.00
63) Chlorobenzene-d5	11.747	117	1171510	50.000	ug/l	# 0.00
72) 1,4-Dichlorobenzene-d4	13.678	152	625378	50.000	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	8.440	65	279506	35.101	ug/l	0.00
Spiked Amount 50.000	Range 61 - 141		Recovery =	70.200%		
35) Dibromofluoromethane	8.024	113	280757	41.631	ug/l	0.00
Spiked Amount 50.000	Range 69 - 133		Recovery =	83.260%		
50) Toluene-d8	10.443	98	1166612	45.399	ug/l	0.00
Spiked Amount 50.000	Range 65 - 126		Recovery =	90.800%		
62) 4-Bromofluorobenzene	12.733	95	466527	54.537	ug/l	0.00
Spiked Amount 50.000	Range 58 - 135		Recovery =	109.080%		
Target Compounds					Qvalue	
11) Tert butyl alcohol	5.390	59	99115	99.811	ug/l	99
16) Acetone	4.291	43	1096494	471.625	ug/l #	84
25) 2-Butanone	7.343	43	160867	44.399	ug/l #	82
39) Methylcyclohexane	9.459	83	11704	1.180	ug/l	89
40) Benzene	8.461	78	909276	33.927	ug/l	98
51) 4-Methyl-2-Pentanone	10.333	43	103494	14.060	ug/l	91
52) Toluene	10.507	92	1227846	67.203	ug/l	100
59) 2-Hexanone	11.089	43	20647	4.040	ug/l	99
64) Tetrachloroethene	10.985	164	4637	0.512	ug/l #	79
67) Ethyl Benzene	11.848	91	424664	10.733	ug/l	90
68) m/p-Xylenes	11.953	106	1250723	79.022	ug/l	77
69) o-Xylene	12.283	106	622773	40.723	ug/l	79
70) Styrene	12.296	104	1036891	42.360	ug/l #	87
73) Isopropylbenzene	12.581	105	58086	1.306	ug/l	98
78) n-propylbenzene	12.924	91	420941	8.823	ug/l #	65
80) 1,3,5-Trimethylbenzene	13.061	105	334133	9.286	ug/l	90
84) 1,2,4-Trimethylbenzene	13.372	105	1627571	46.336	ug/l	93
85) sec-Butylbenzene	13.503	105	15703m	0.373	ug/l	
86) p-Isopropyltoluene	13.619	119	45261m	1.303	ug/l	
95) Naphthalene	15.493	128	25485106m	972.062	ug/l	

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

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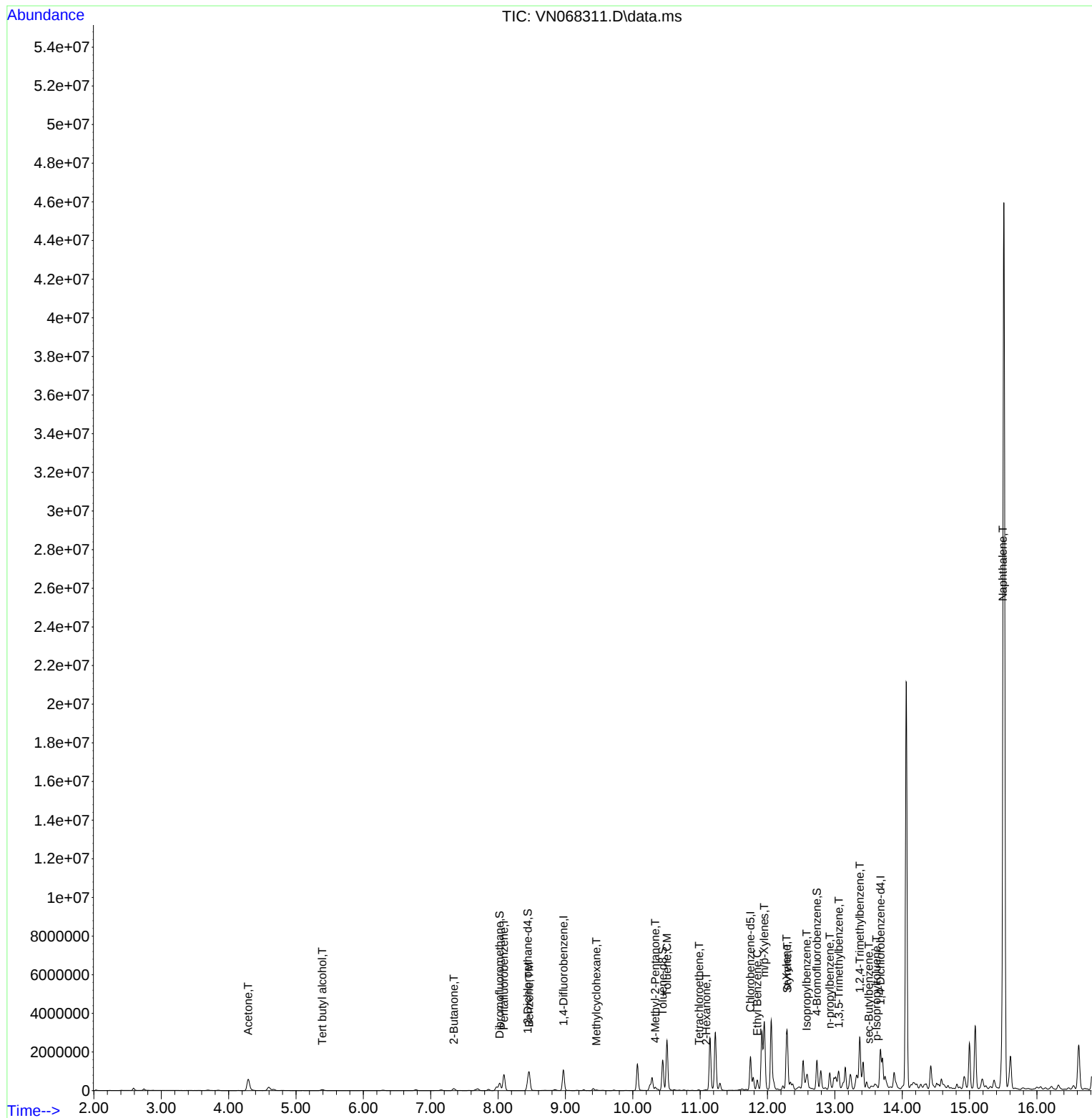
Instrument :
MSVOA_N
ClientSampleId :
31116

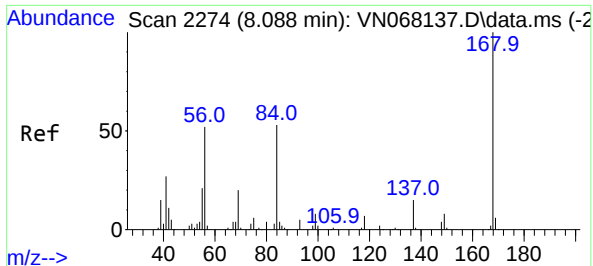
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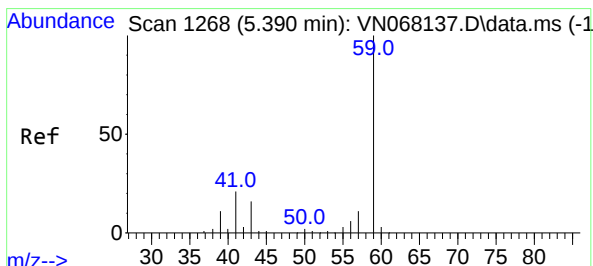
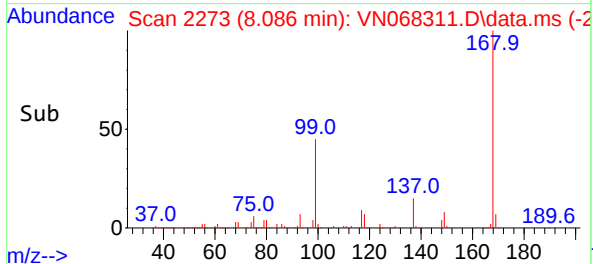
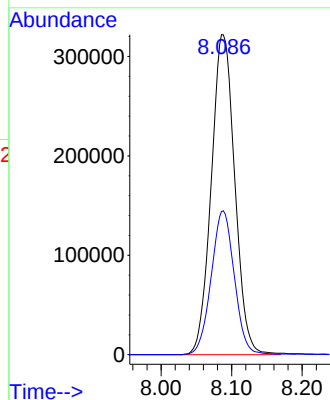
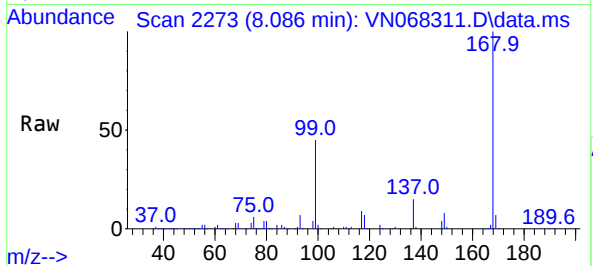
#1
Pentafluorobenzene
Concen: 50.000 ug/l
RT: 8.086 min Scan# 2273
Delta R.T. -0.002 min
Lab File: VN068311.D
Acq: 25 Aug 2021 20:10

Tgt Ion: 168 Resp: 745781
Ion Ratio Lower Upper
168 100
99 44.8 62.9 94.3#

Instrument :
MSVOA_N
ClientSampled :
31116

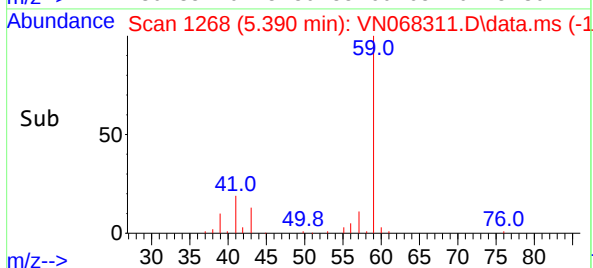
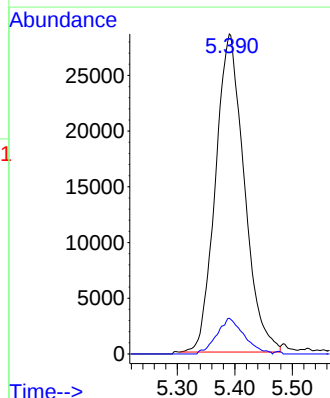
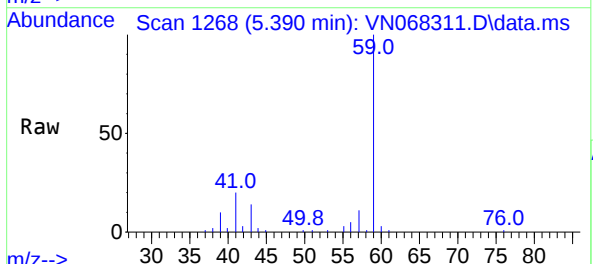
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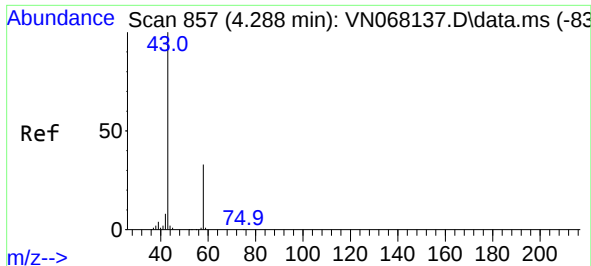
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#11
Tert butyl alcohol
Concen: 99.811 ug/l
RT: 5.390 min Scan# 1268
Delta R.T. 0.000 min
Lab File: VN068311.D
Acq: 25 Aug 2021 20:10

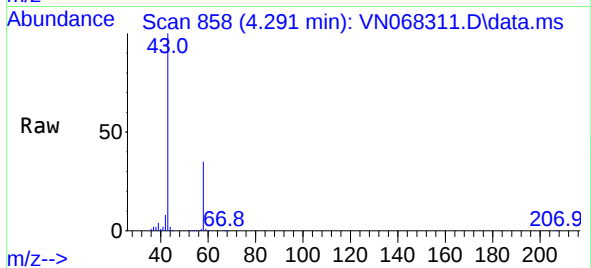
Tgt Ion: 59 Resp: 99115
Ion Ratio Lower Upper
59 100
57 10.7 8.7 13.1





#16
Acetone
Concen: 471.625 ug/l
RT: 4.291 min Scan# 858
Delta R.T. 0.003 min
Lab File: VN068311.D
Acq: 25 Aug 2021 20:10

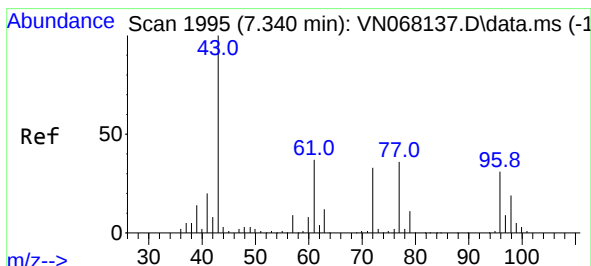
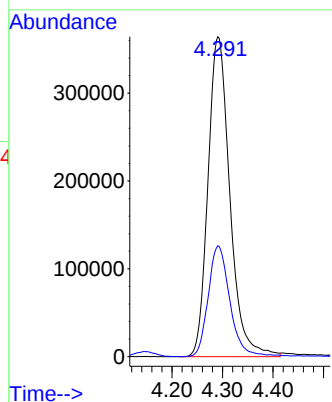
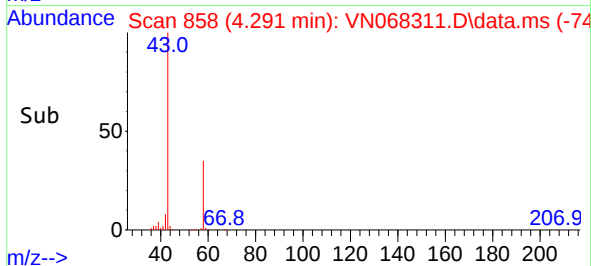
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ClientSampleId :
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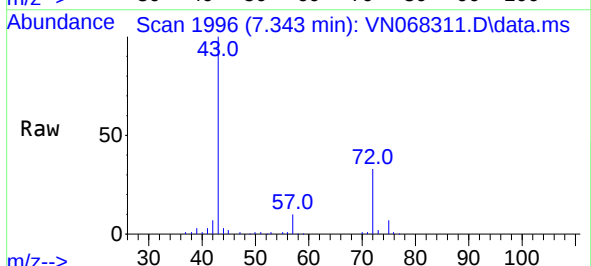
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Ion Ratio Lower Upper
43 100
58 34.7 21.2 31.8#

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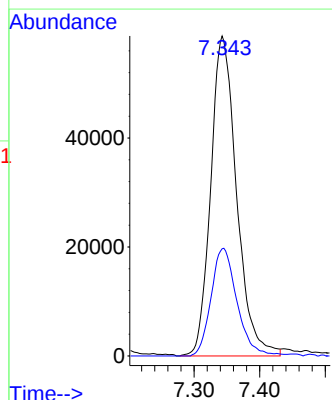
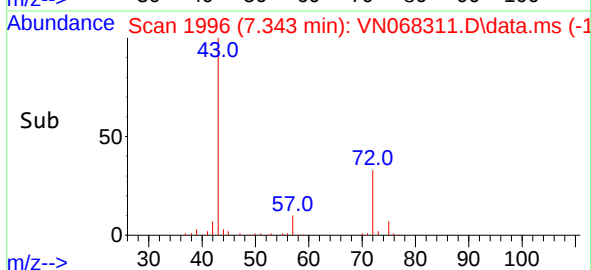
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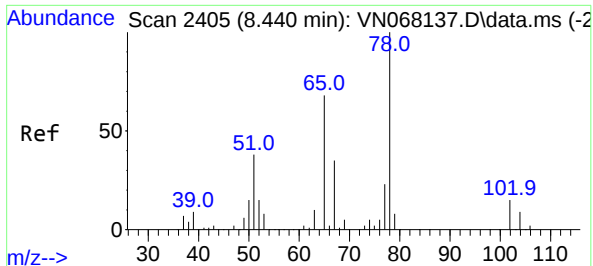


#25
2-Butanone
Concen: 44.399 ug/l
RT: 7.343 min Scan# 1996
Delta R.T. 0.003 min
Lab File: VN068311.D
Acq: 25 Aug 2021 20:10



Tgt Ion: 43 Resp: 160867
Ion Ratio Lower Upper
43 100
72 33.5 19.7 29.5#





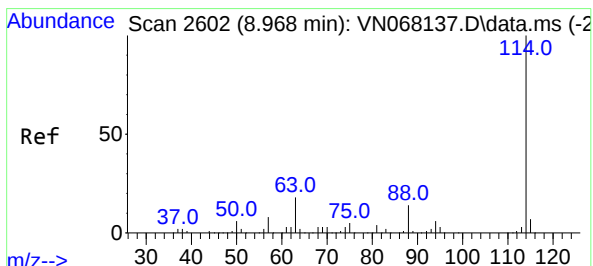
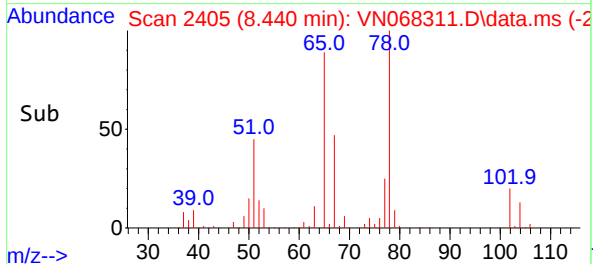
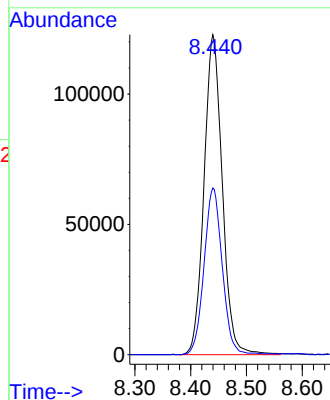
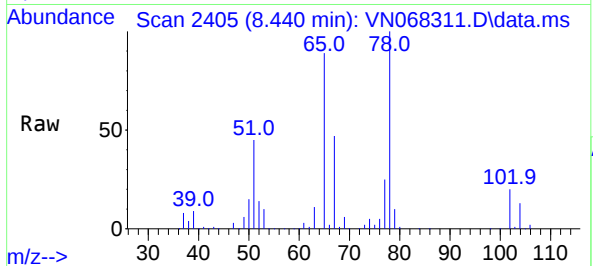
#33
1,2-Dichloroethane-d4
Concen: 35.101 ug/l
RT: 8.440 min Scan# 2405
Delta R.T. -0.000 min
Lab File: VN068311.D
Acq: 25 Aug 2021 20:10

Tgt Ion: 65 Resp: 279506
Ion Ratio Lower Upper
65 100
67 51.6 0.0 98.6

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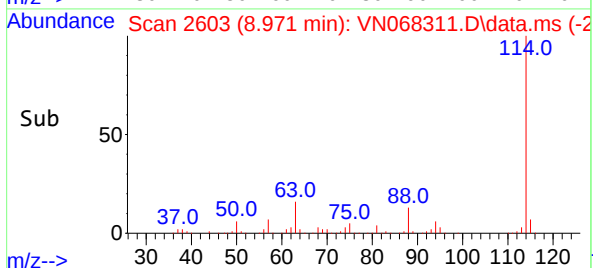
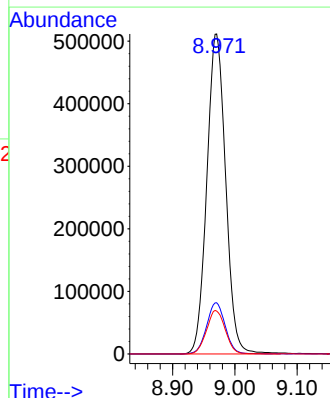
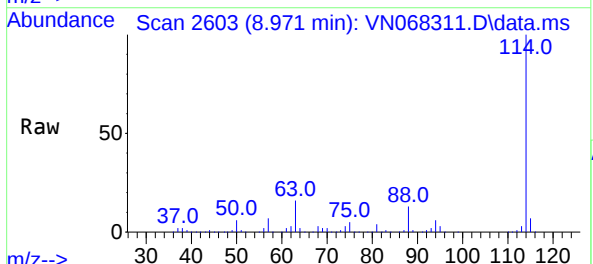
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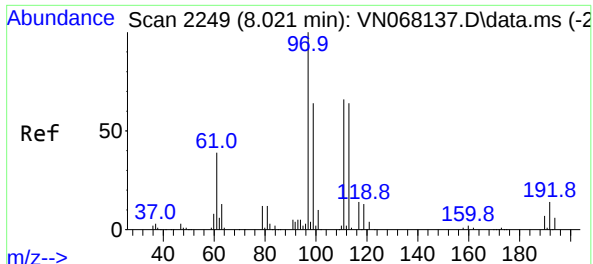
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#34
1,4-Difluorobenzene
Concen: 50.000 ug/l
RT: 8.971 min Scan# 2603
Delta R.T. 0.003 min
Lab File: VN068311.D
Acq: 25 Aug 2021 20:10

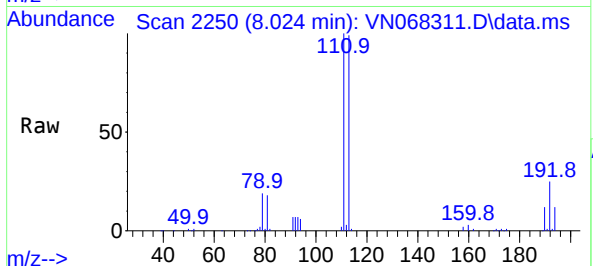
Tgt Ion: 114 Resp: 1074165
Ion Ratio Lower Upper
114 100
63 16.0 0.0 49.0
88 13.4 0.0 36.6





#35
Dibromofluoromethane
Concen: 41.631 ug/l
RT: 8.024 min Scan# 2250
Delta R.T. 0.003 min
Lab File: VN068311.D
Acq: 25 Aug 2021 20:10

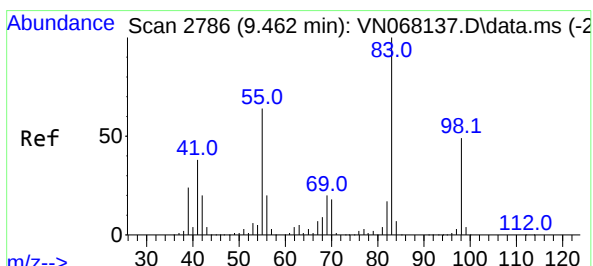
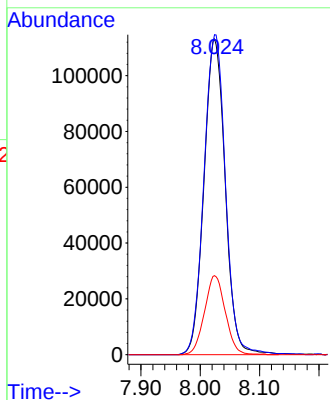
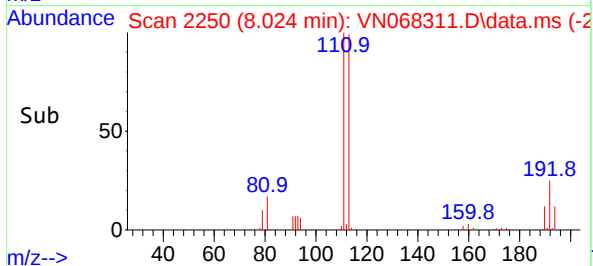
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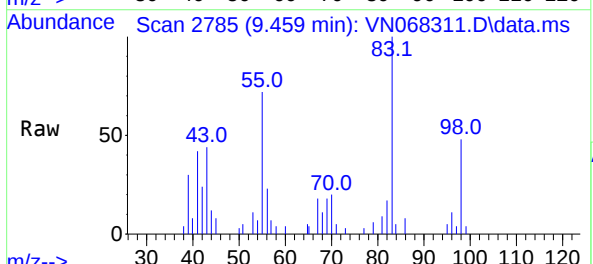
Tgt Ion:113 Resp: 280757
Ion Ratio Lower Upper
113 100
111 102.8 83.8 125.8
192 24.6 13.4 20.0#

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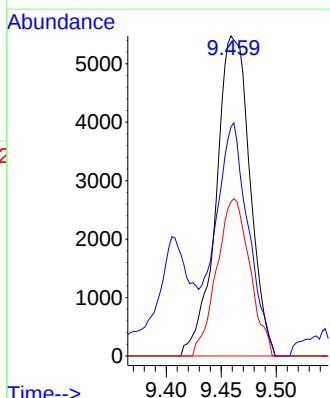
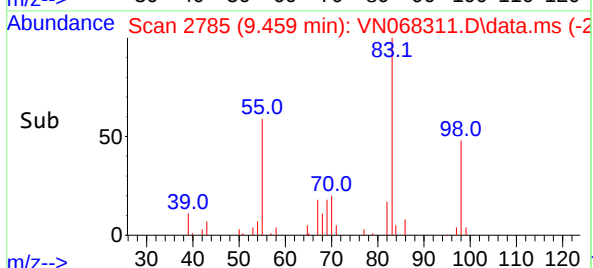
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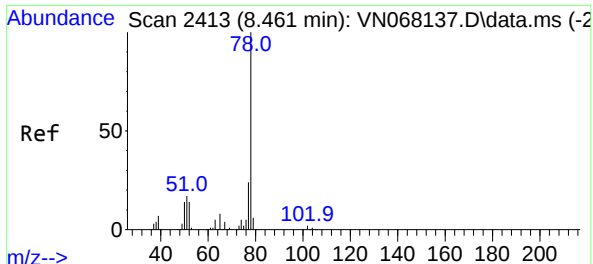


#39
Methylcyclohexane
Concen: 1.180 ug/l
RT: 9.459 min Scan# 2785
Delta R.T. -0.003 min
Lab File: VN068311.D
Acq: 25 Aug 2021 20:10



Tgt Ion: 83 Resp: 11704
Ion Ratio Lower Upper
83 100
55 71.6 66.6 99.8
98 48.2 35.3 52.9





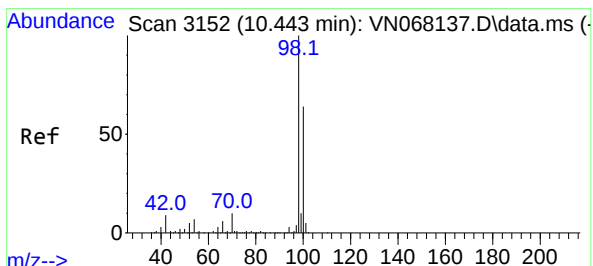
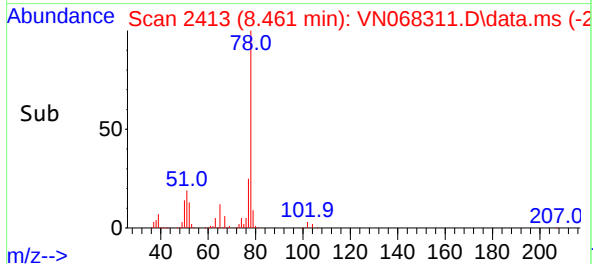
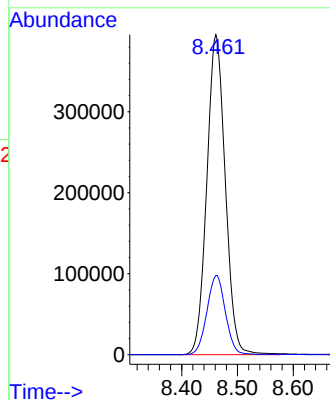
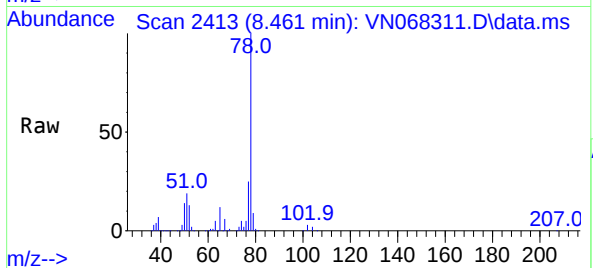
#40
Benzene
Concen: 33.927 ug/l
RT: 8.461 min Scan# 2413
Delta R.T. 0.000 min
Lab File: VN068311.D
Acq: 25 Aug 2021 20:10

Tgt Ion: 78 Resp: 909276
Ion Ratio Lower Upper
78 100
77 24.8 18.9 28.3

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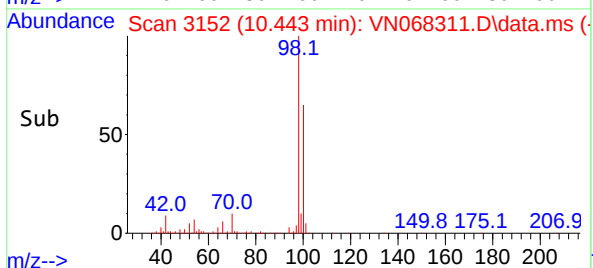
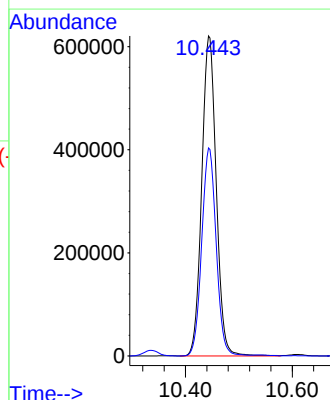
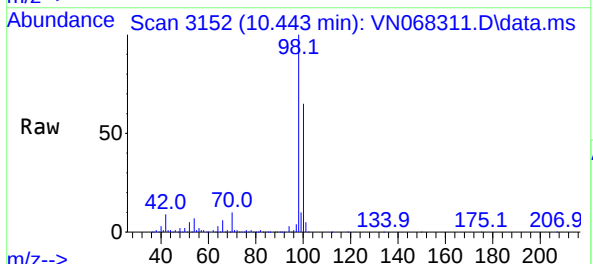
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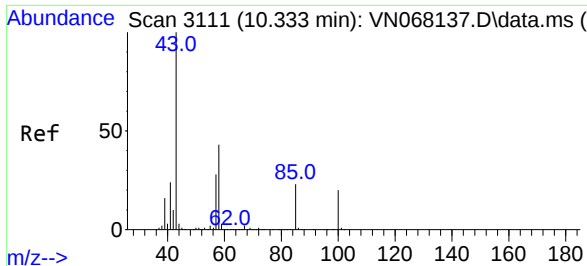
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#50
Toluene-d8
Concen: 45.399 ug/l
RT: 10.443 min Scan# 3152
Delta R.T. 0.000 min
Lab File: VN068311.D
Acq: 25 Aug 2021 20:10

Tgt Ion: 98 Resp: 1166612
Ion Ratio Lower Upper
98 100
100 64.9 51.7 77.5





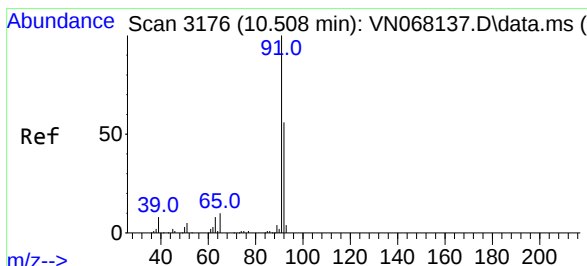
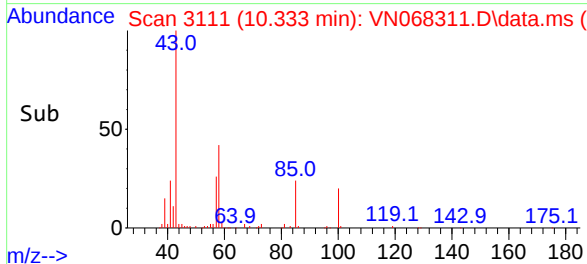
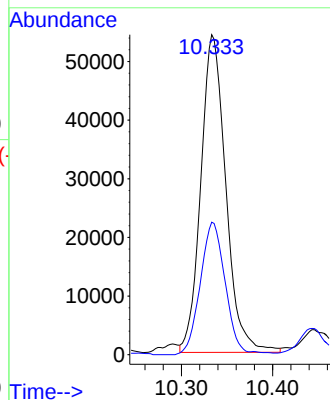
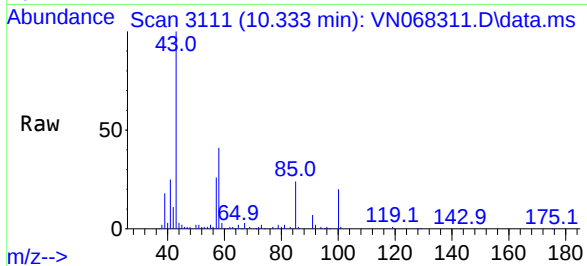
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4-Methyl-2-Pentanone
Concen: 14.060 ug/l
RT: 10.333 min Scan# 3111
Delta R.T. 0.000 min
Lab File: VN068311.D
Acq: 25 Aug 2021 20:10

Tgt Ion: 43 Resp: 103494
Ion Ratio Lower Upper
43 100
58 41.1 28.6 43.0

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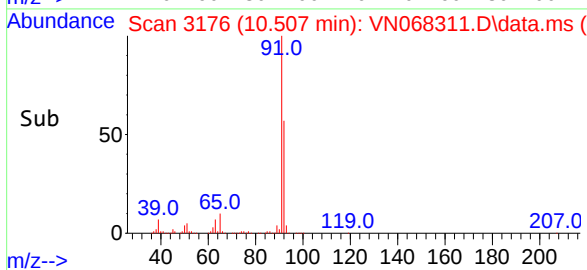
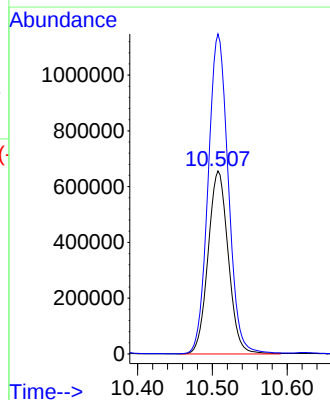
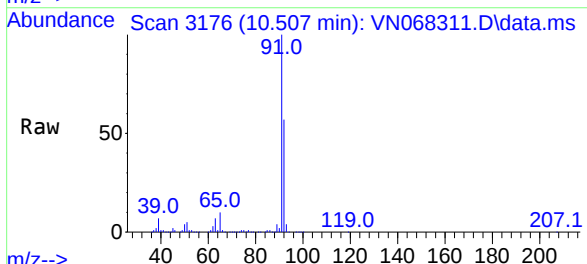
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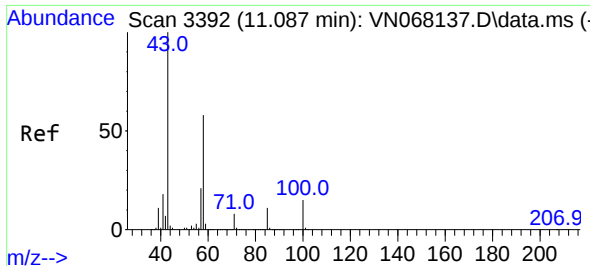
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#52
Toluene
Concen: 67.203 ug/l
RT: 10.507 min Scan# 3176
Delta R.T. -0.001 min
Lab File: VN068311.D
Acq: 25 Aug 2021 20:10

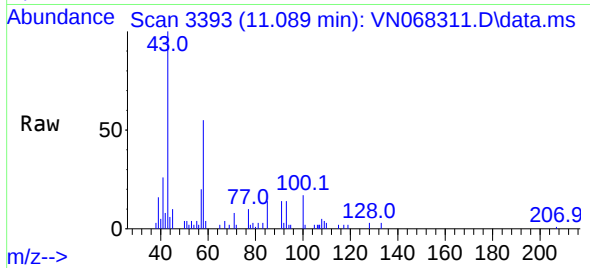
Tgt Ion: 92 Resp: 1227846
Ion Ratio Lower Upper
92 100
91 175.0 139.6 209.4





#59
2-Hexanone
Concen: 4.040 ug/l
RT: 11.089 min Scan# 3393
Delta R.T. 0.002 min
Lab File: VN068311.D
Acq: 25 Aug 2021 20:10

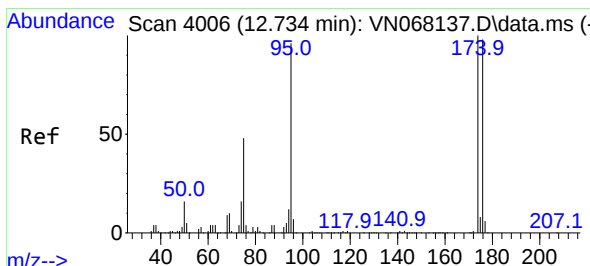
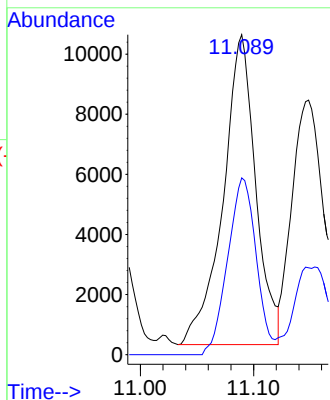
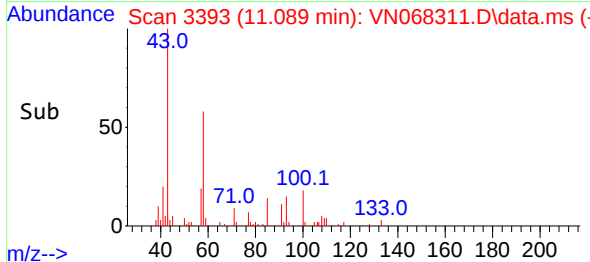
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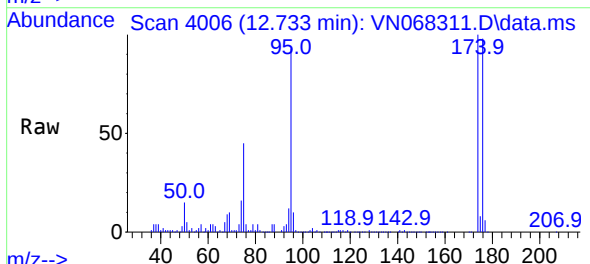
Tgt Ion: 43 Resp: 20647
Ion Ratio Lower Upper
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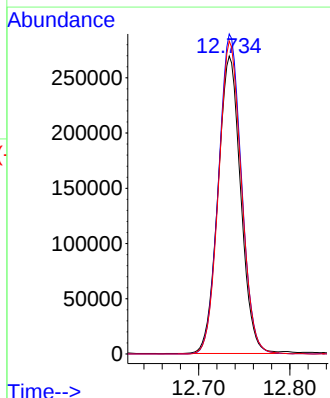
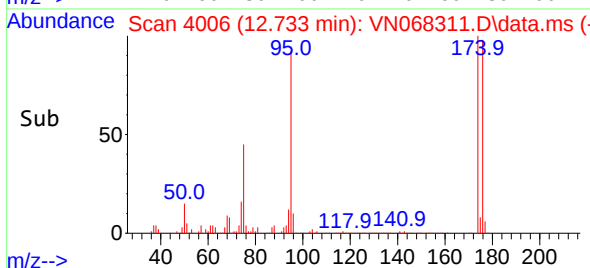
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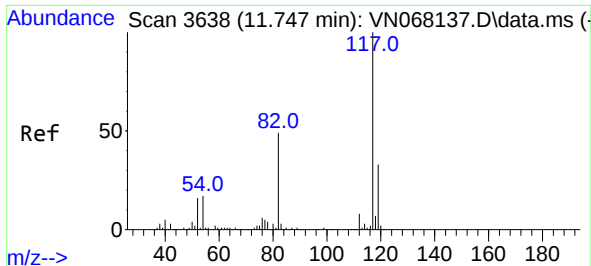


#62
4-Bromofluorobenzene
Concen: 54.537 ug/l
RT: 12.733 min Scan# 4006
Delta R.T. -0.001 min
Lab File: VN068311.D
Acq: 25 Aug 2021 20:10



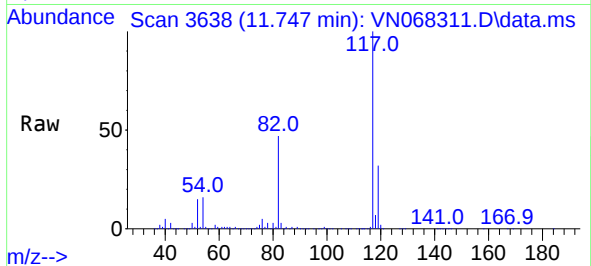
Tgt Ion: 95 Resp: 466527
Ion Ratio Lower Upper
95 100
174 108.1 0.0 122.0
176 105.1 0.0 117.6





#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 11.747 min Scan# 3638
Delta R.T. -0.000 min
Lab File: VN068311.D
Acq: 25 Aug 2021 20:10

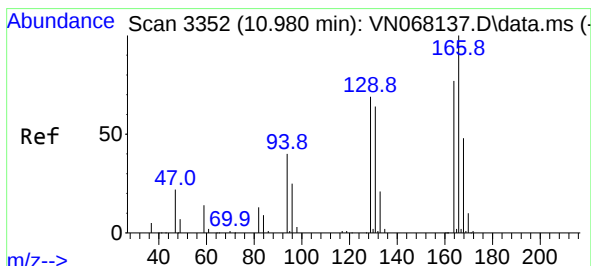
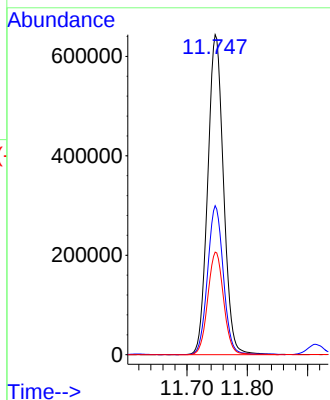
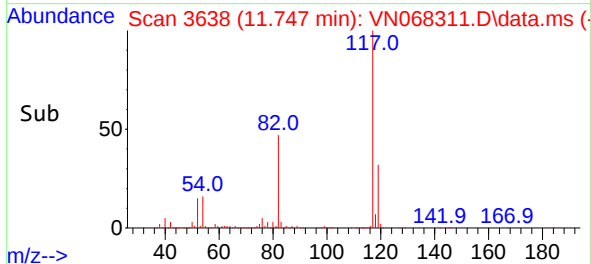
Instrument :
MSVOA_N
ClientSampleId :
31116



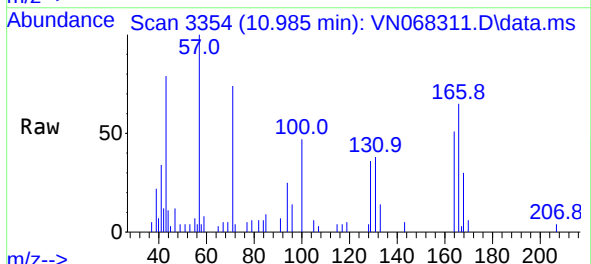
Tgt Ion:117 Resp: 1171510
Ion Ratio Lower Upper
117 100
82 46.5 53.1 79.7#
119 32.1 25.5 38.3

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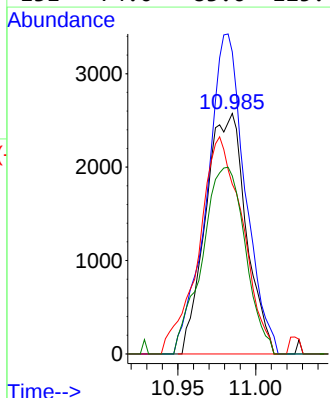
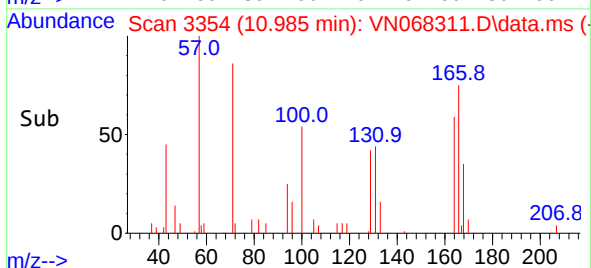
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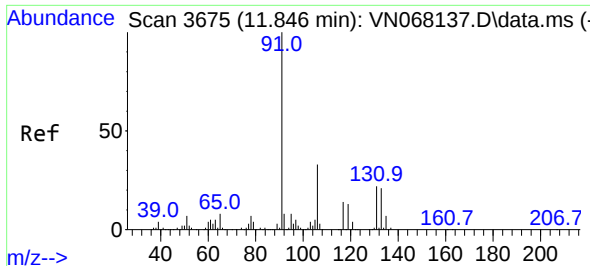


#64
Tetrachloroethene
Concen: 0.512 ug/l
RT: 10.985 min Scan# 3354
Delta R.T. 0.005 min
Lab File: VN068311.D
Acq: 25 Aug 2021 20:10



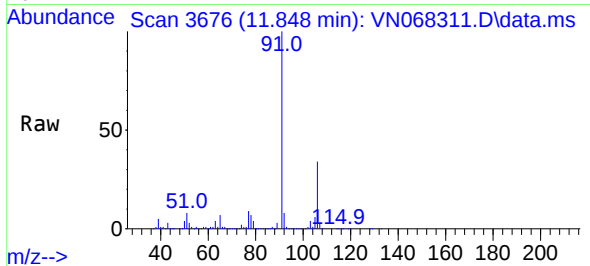
Tgt Ion:164 Resp: 4637
Ion Ratio Lower Upper
164 100
166 125.6 102.1 153.1
129 70.6 86.9 130.3#
131 74.0 83.6 125.4#





#67
Ethyl Benzene
Concen: 10.733 ug/l
RT: 11.848 min Scan# 3676
Delta R.T. 0.002 min
Lab File: VN068311.D
Acq: 25 Aug 2021 20:10

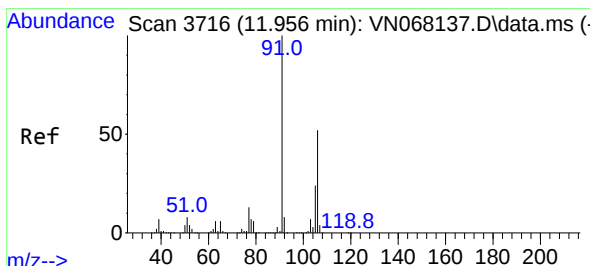
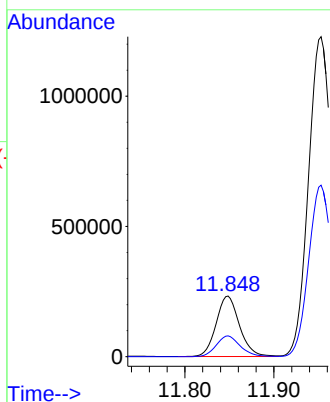
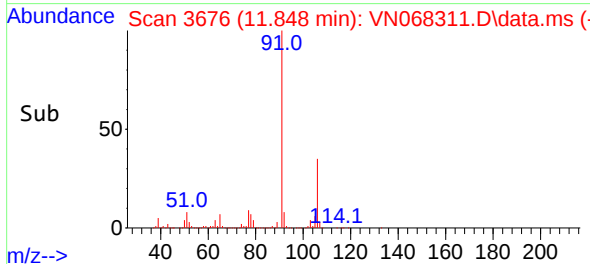
Instrument :
MSVOA_N
ClientSampled :
31116



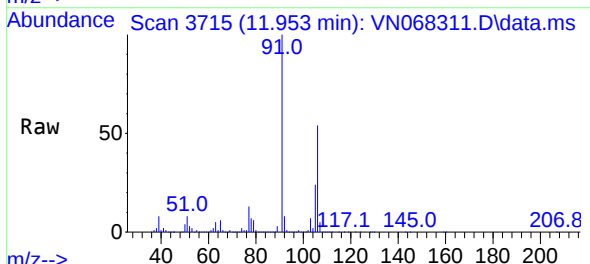
Tgt Ion: 91 Resp: 424664
Ion Ratio Lower Upper
91 100
106 34.5 23.4 35.0

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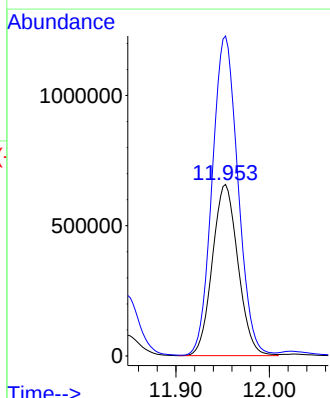
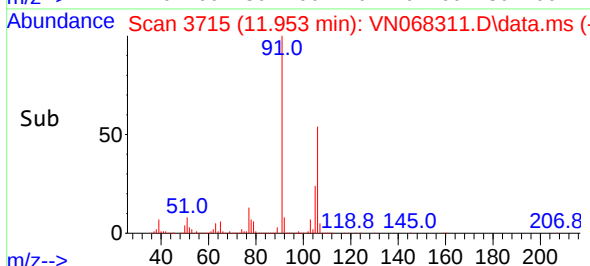
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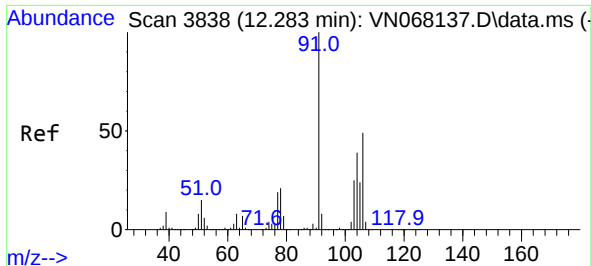


#68
m/p-Xylenes
Concen: 79.022 ug/l
RT: 11.953 min Scan# 3715
Delta R.T. -0.003 min
Lab File: VN068311.D
Acq: 25 Aug 2021 20:10



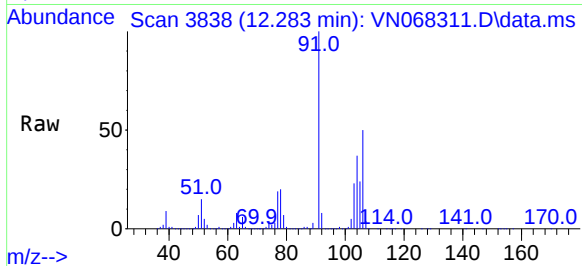
Tgt Ion: 106 Resp: 1250723
Ion Ratio Lower Upper
106 100
91 187.5 180.6 270.8





#69
o-Xylene
Concen: 40.723 ug/l
RT: 12.283 min Scan# 3838
Delta R.T. -0.000 min
Lab File: VN068311.D
Acq: 25 Aug 2021 20:10

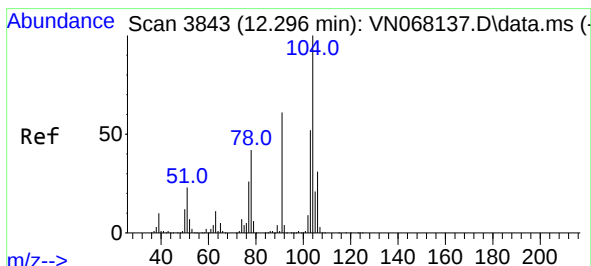
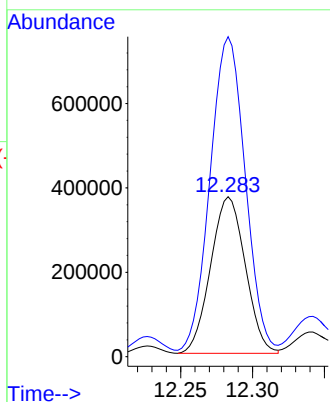
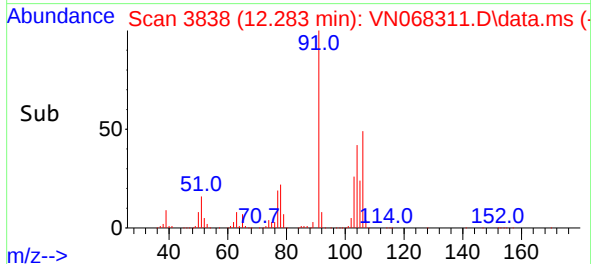
Instrument :
MSVOA_N
ClientSampled :
31116



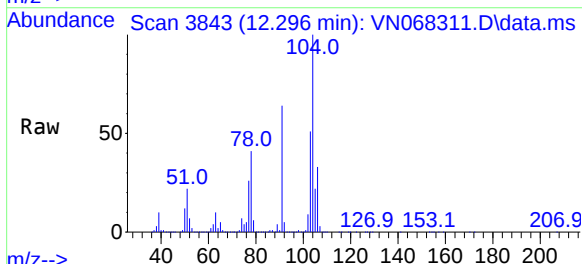
Tgt Ion:106 Resp: 622773
Ion Ratio Lower Upper
106 100
91 201.0 118.3 354.9

Manual Integrations
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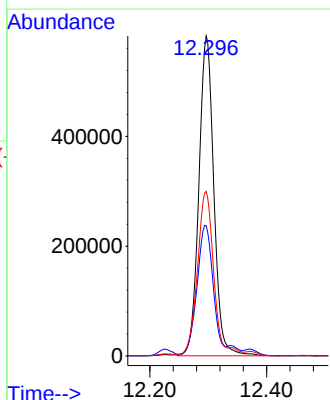
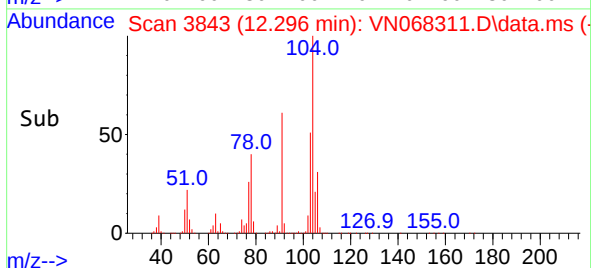
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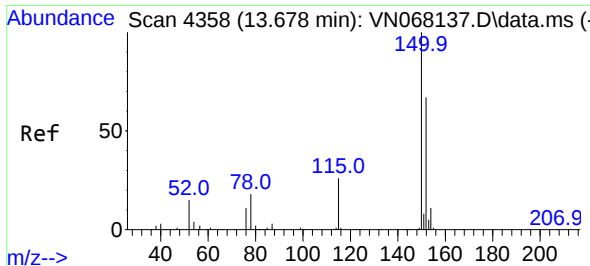


#70
Styrene
Concen: 42.360 ug/l
RT: 12.296 min Scan# 3843
Delta R.T. 0.000 min
Lab File: VN068311.D
Acq: 25 Aug 2021 20:10



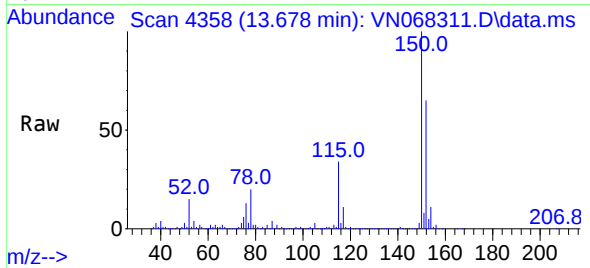
Tgt Ion:104 Resp: 1036891
Ion Ratio Lower Upper
104 100
78 42.9 48.2 72.2#
103 53.8 44.5 66.7





#72
1,4-Dichlorobenzene-d4
Concen: 50.000 ug/l
RT: 13.678 min Scan# 4358
Delta R.T. -0.000 min
Lab File: VN068311.D
Acq: 25 Aug 2021 20:10

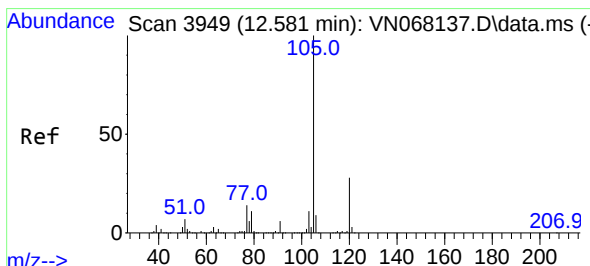
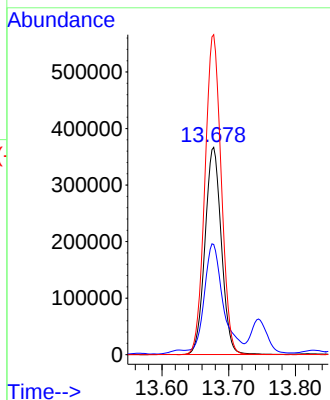
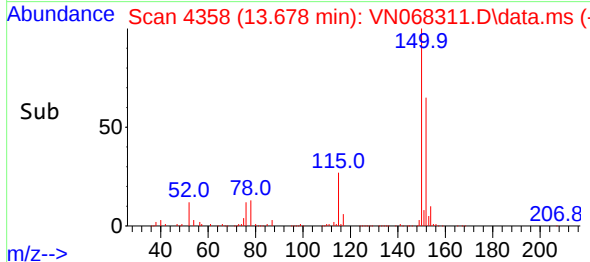
Instrument :
MSVOA_N
ClientSampled :
31116



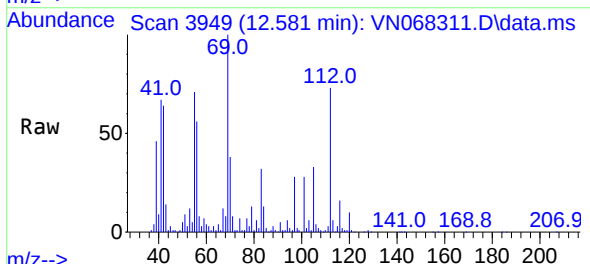
Tgt Ion:152 Resp: 625378
Ion Ratio Lower Upper
152 100
115 61.4 36.1 108.5
150 154.1 0.0 351.8

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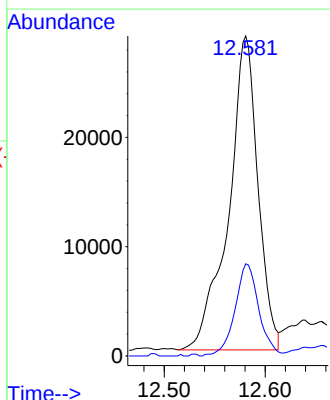
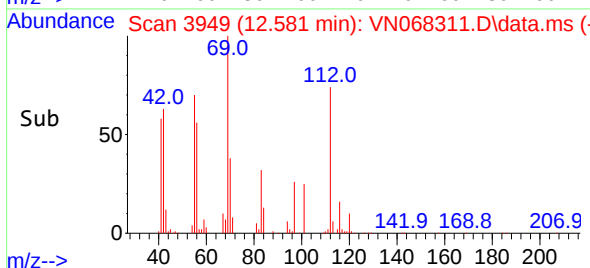
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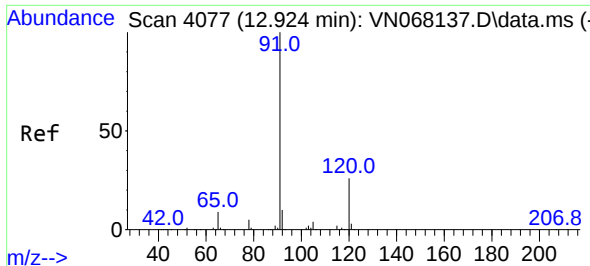


#73
Isopropylbenzene
Concen: 1.306 ug/l
RT: 12.581 min Scan# 3949
Delta R.T. -0.000 min
Lab File: VN068311.D
Acq: 25 Aug 2021 20:10



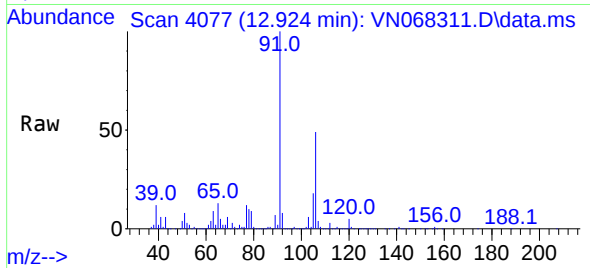
Tgt Ion:105 Resp: 58086
Ion Ratio Lower Upper
105 100
120 23.9 12.5 37.5





#78
n-propylbenzene
Concen: 8.823 ug/l
RT: 12.924 min Scan# 4077
Delta R.T. -0.000 min
Lab File: VN068311.D
Acq: 25 Aug 2021 20:10

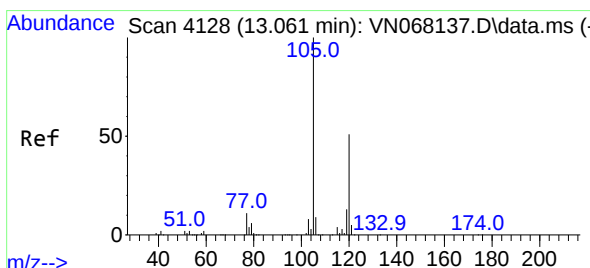
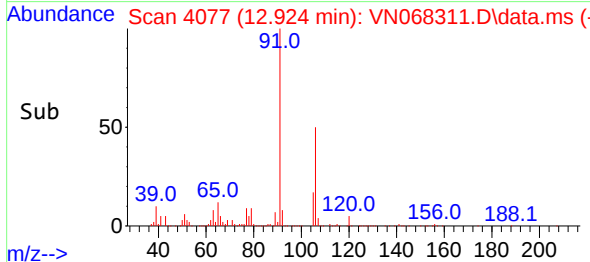
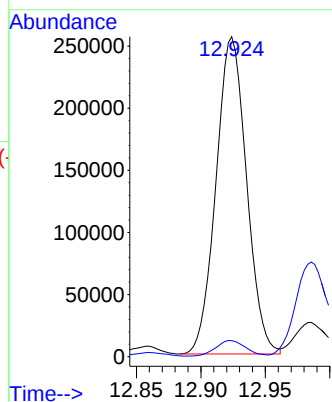
Instrument :
MSVOA_N
ClientSampled :
31116



Tgt Ion: 91 Resp: 420941
Ion Ratio Lower Upper
91 100
120 4.7 10.4 31.4#

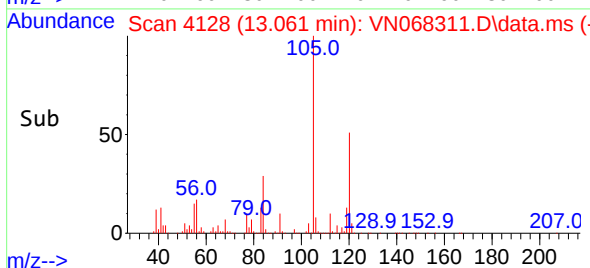
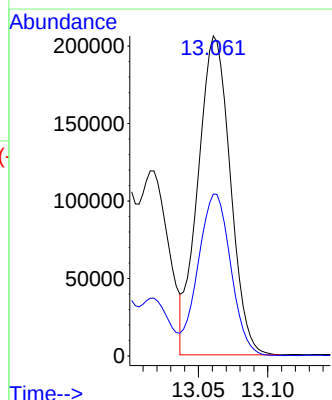
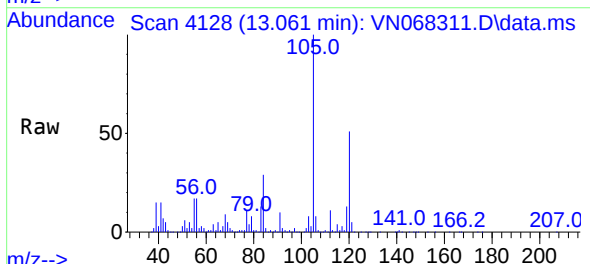
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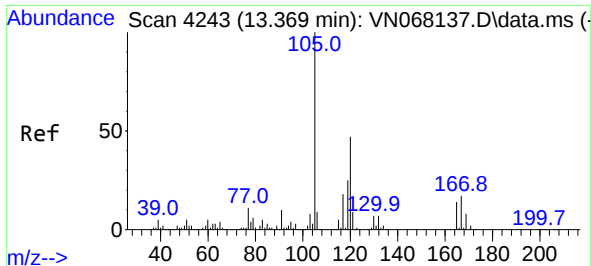
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#80
1,3,5-Trimethylbenzene
Concen: 9.286 ug/l
RT: 13.061 min Scan# 4128
Delta R.T. -0.000 min
Lab File: VN068311.D
Acq: 25 Aug 2021 20:10

Tgt Ion: 105 Resp: 334133
Ion Ratio Lower Upper
105 100
120 51.2 22.2 66.6





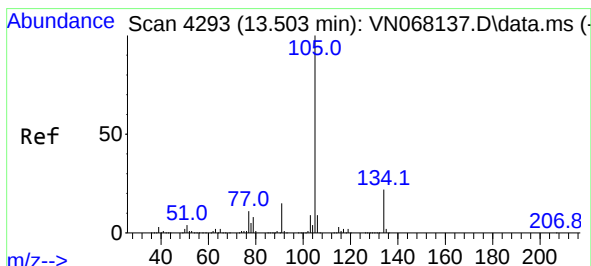
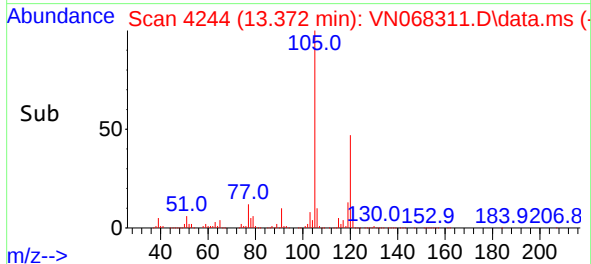
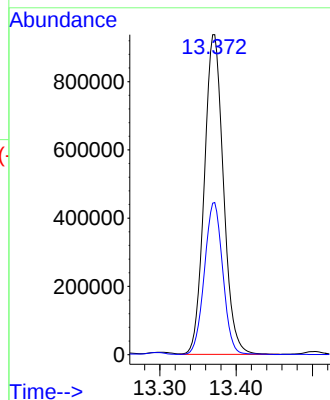
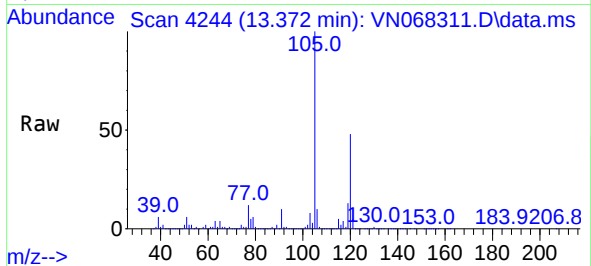
#84
1,2,4-Trimethylbenzene
Concen: 46.336 ug/l
RT: 13.372 min Scan# 4244
Delta R.T. 0.003 min
Lab File: VN068311.D
Acq: 25 Aug 2021 20:10

Tgt Ion:105 Resp: 1627571
Ion Ratio Lower Upper
105 100
120 45.7 20.6 61.8

Instrument :
MSVOA_N
ClientSampled :
31116

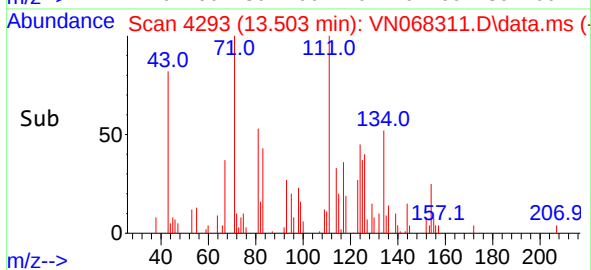
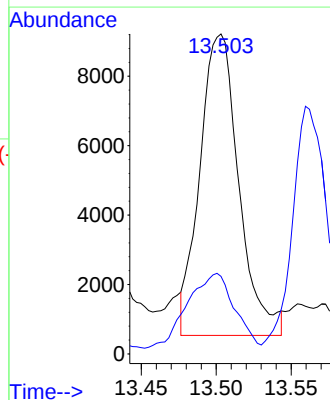
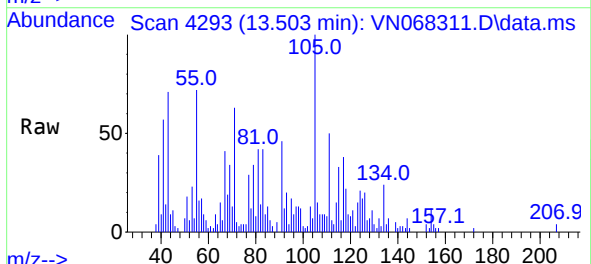
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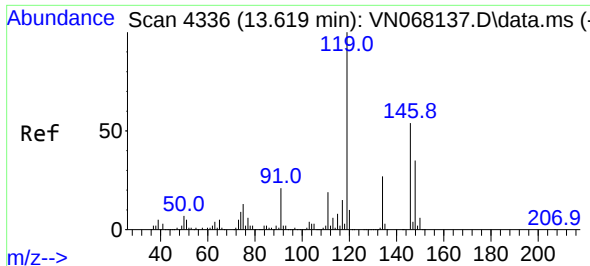
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#85
sec-Butylbenzene
Concen: 0.373 ug/l m
RT: 13.503 min Scan# 4293
Delta R.T. 0.000 min
Lab File: VN068311.D
Acq: 25 Aug 2021 20:10

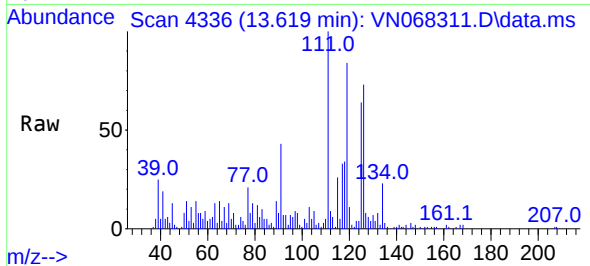
Tgt Ion:105 Resp: 15703
Ion Ratio Lower Upper
105 100
134 3.6 9.0 27.1#





#86
p-Isopropyltoluene
Concen: 1.303 ug/l m
RT: 13.619 min Scan# 4336
Delta R.T. -0.000 min
Lab File: VN068311.D
Acq: 25 Aug 2021 20:10

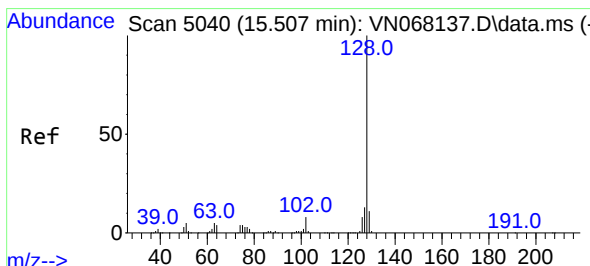
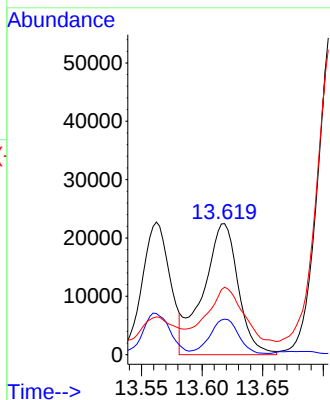
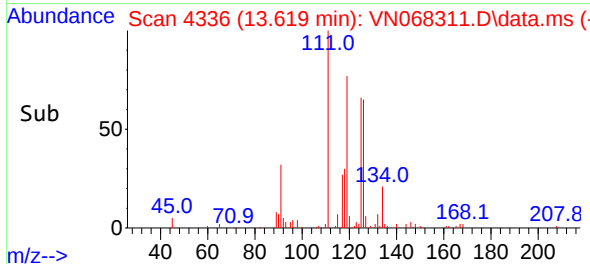
Instrument :
MSVOA_N
ClientSampled :
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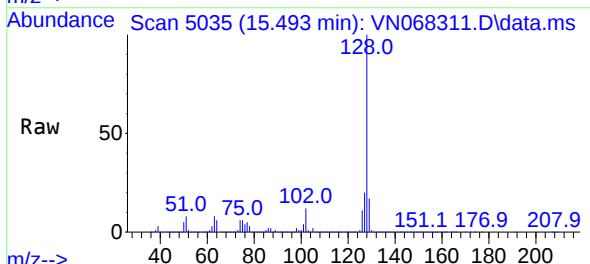
Tgt Ion:119 Resp: 45261
Ion Ratio Lower Upper
119 100
134 23.9 12.4 37.4
91 19.8 14.8 44.3

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#95
Naphthalene
Concen: 972.062 ug/l m
RT: 15.493 min Scan# 5035
Delta R.T. -0.014 min
Lab File: VN068311.D
Acq: 25 Aug 2021 20:10



Tgt Ion:128 Resp:25485106
Ion Ratio Lower Upper
128 100
127 0.0 10.6 15.8#
129 0.0 8.6 12.8#

