

Data Path : Z:\voasrv\HPCHEM1\MSVOA_N\Data\VN070921\
 Data File : VN067695.D
 Acq On : 9 Jul 2021 19:06
 Operator : JC/MD
 Sample : M2992-03
 Misc : 5.00mL/MSVOA_N/WATER
 ALS Vial : 20 Sample Multiplier: 1

Instrument :
 MSVOA_N
 ClientSampleId :
 33262

Manual Integrations
 APPROVED

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 7/12/2021 5:44:57 PM

Quant Time: Jul 10 06:31:59 2021
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA_N\methods\82N070721W.M
 Quant Title : SW846 8260
 QLast Update : Wed Jul 07 16:18:53 2021
 Response via : Initial Calibration

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

Internal Standards						
1) Pentafluorobenzene	8.091	168	704312	50.000	ug/l	# 0.00
34) 1,4-Difluorobenzene	8.970	114	1184094	50.000	ug/l	0.00
63) Chlorobenzene-d5	11.749	117	1197566	50.000	ug/l	# 0.00
72) 1,4-Dichlorobenzene-d4	13.675	152	643068	50.000	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	8.461	65	543341	51.045	ug/l	0.02
Spiked Amount 50.000	Range 61 - 141		Recovery = 102.100%			
35) Dibromofluoromethane	8.026	113	304139	42.513	ug/l	0.00
Spiked Amount 50.000	Range 69 - 133		Recovery = 85.020%			
50) Toluene-d8	10.496	98	1581841	52.825	ug/l	0.05
Spiked Amount 50.000	Range 65 - 126		Recovery = 105.660%			
62) 4-Bromofluorobenzene	12.733	95	613372	57.985	ug/l	0.00
Spiked Amount 50.000	Range 58 - 135		Recovery = 115.960%			
Target Compounds						Qvalue
11) Tert butyl alcohol	5.395	59	48231	31.532	ug/l	# 71
16) Acetone	4.290	43	1171689	349.828	ug/l	93
19) Methyl tert-butyl Ether	5.615	73	24316634	937.004	ug/l	# 52
22) Diisopropyl ether	6.498	45	11944553	457.242	ug/l	# 90
25) 2-Butanone	7.337	43	7232609	1300.435	ug/l	92
31) Cyclohexane	8.096	56	9886131	662.387	ug/l	91
37) Ethyl Acetate	7.415	43	1258918	118.127	ug/l	97
39) Methylcyclohexane	9.461	83	6525812	541.959	ug/l	92
40) Benzene	8.434	78	51634221m	1568.296	ug/l	
52) Toluene	10.488	92	73427188m	3404.631	ug/l	
59) 2-Hexanone	11.089	43	119774	14.899	ug/l	70
67) Ethyl Benzene	11.851	91	41114884m	918.228	ug/l	
68) m/p-Xylenes	11.939	106	39592569m	2337.870	ug/l	
69) o-Xylene	12.272	106	30325585m	1821.299	ug/l	
73) Isopropylbenzene	12.583	105	6500537	125.286	ug/l	96
78) n-propylbenzene	12.916	91	16608660m	283.021	ug/l	
80) 1,3,5-Trimethylbenzene	13.055	105	16459456m	391.508	ug/l	
84) 1,2,4-Trimethylbenzene	13.355	105	26204361m	636.122	ug/l	
85) sec-Butylbenzene	13.503	105	451013	9.089	ug/l	# 56
86) p-Isopropyltoluene	13.618	119	289104m	7.220	ug/l	
89) n-Butylbenzene	13.943	91	662405	19.287	ug/l	# 79
95) Naphthalene	15.506	128	14156838	425.550	ug/l	99

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

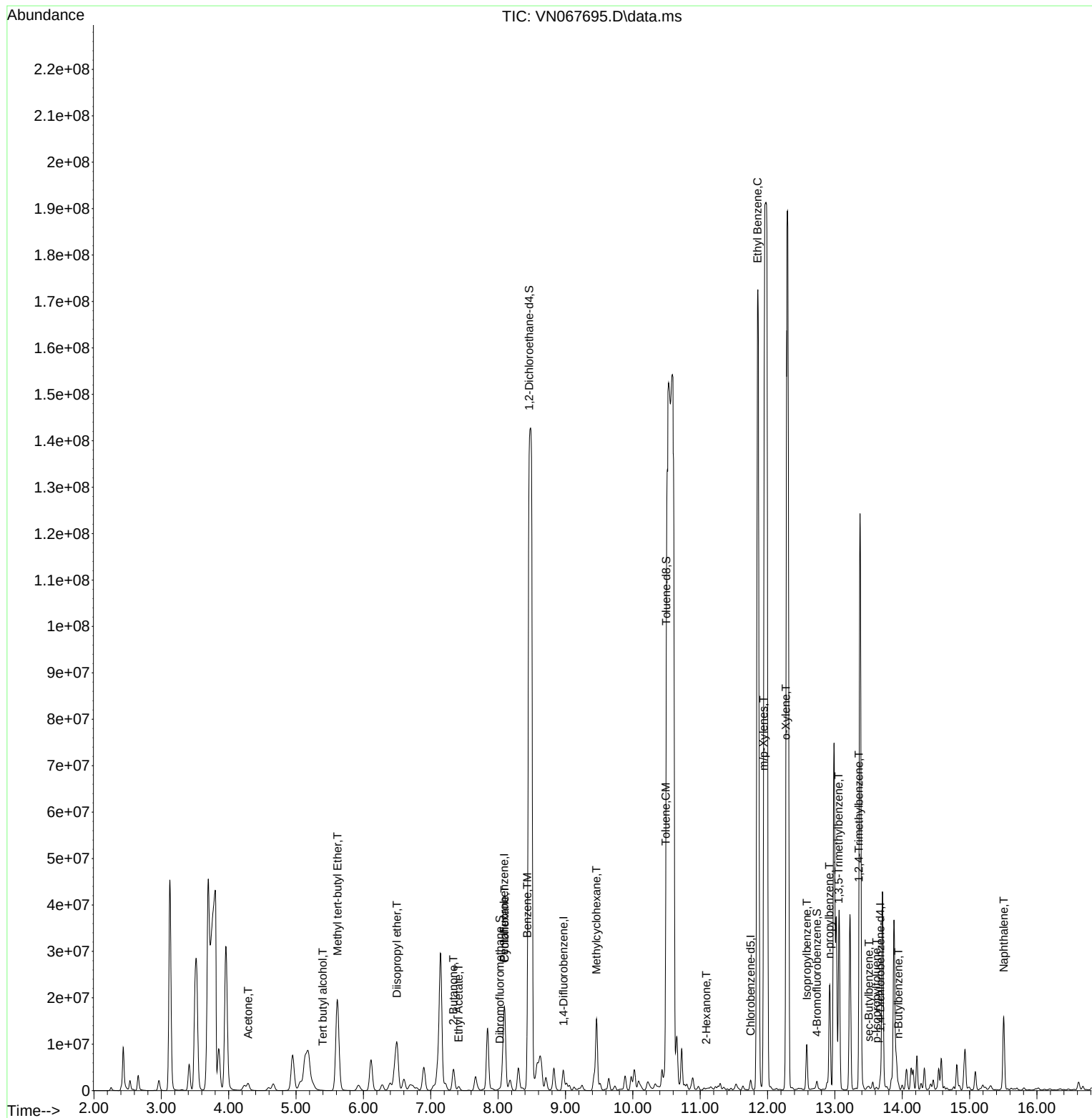
Data Path : Z:\voasrv\HPCHEM1\MSVOA_N\Data\VN070921\
Data File : VN067695.D
Acq On : 9 Jul 2021 19:06
Operator : JC/MD
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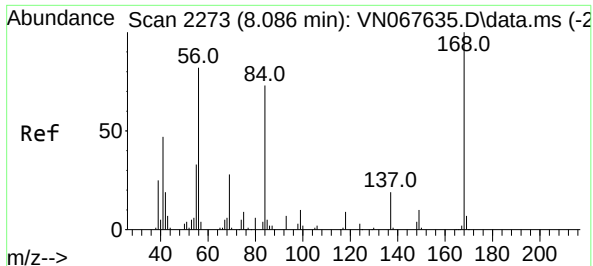
Instrument :
MSVOA_N
ClientSampleId :
33262

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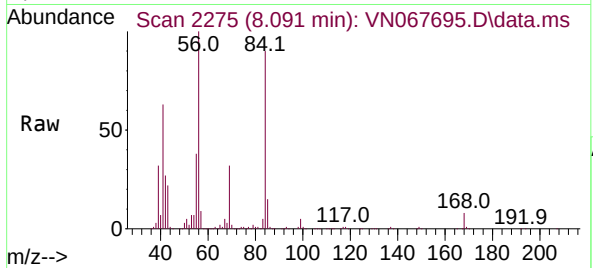
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7/12/2021 5:44:57 PM

Quant Time: Jul 10 06:31:59 2021
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_N\methods\82N070721W.M
Quant Title : SW846 8260
QLast Update : Wed Jul 07 16:18:53 2021
Response via : Initial Calibration

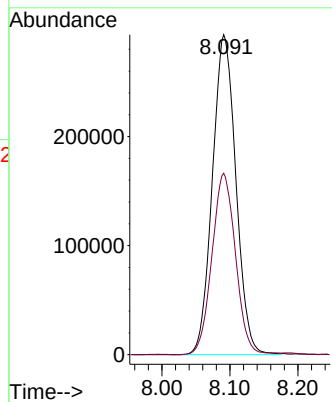
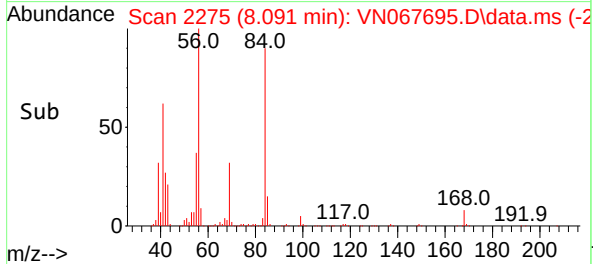




#1
Pentafluorobenzene
Concen: 50.000 ug/l
RT: 8.091 min Scan# 2275
Delta R.T. 0.005 min
Lab File: VN067695.D
Acq: 9 Jul 2021 19:06



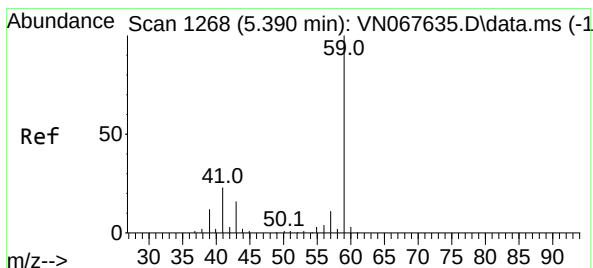
Tgt Ion: 168 Resp: 704312
Ion Ratio Lower Upper
168 100
99 56.7 62.9 94.3#



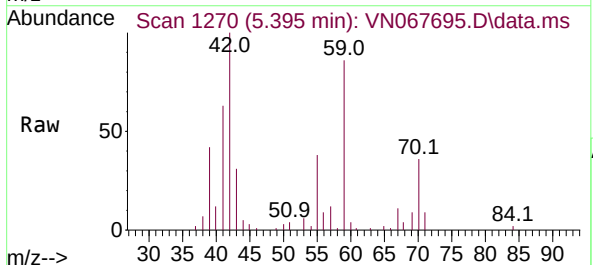
Instrument :
MSVOA_N
ClientSampled :
33262

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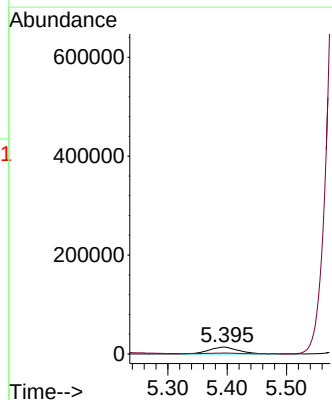
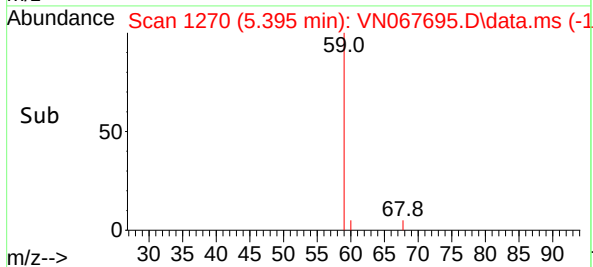
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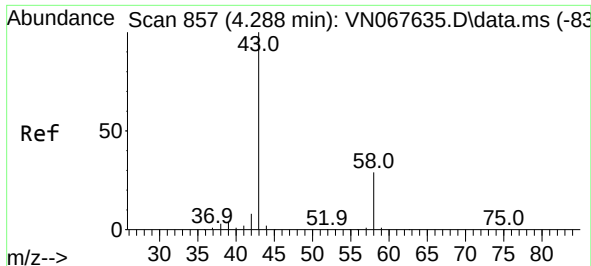


#11
Tert butyl alcohol
Concen: 31.532 ug/l
RT: 5.395 min Scan# 1270
Delta R.T. 0.005 min
Lab File: VN067695.D
Acq: 9 Jul 2021 19:06



Tgt Ion: 59 Resp: 48231
Ion Ratio Lower Upper
59 100
57 0.0 8.7 13.1#





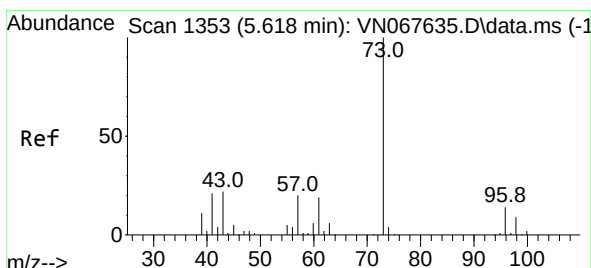
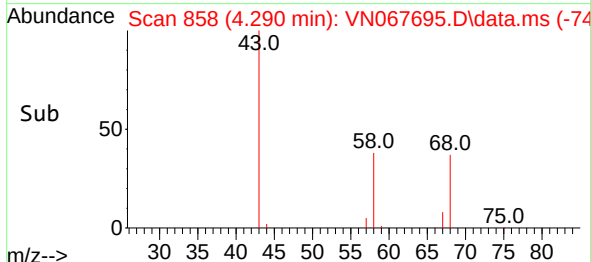
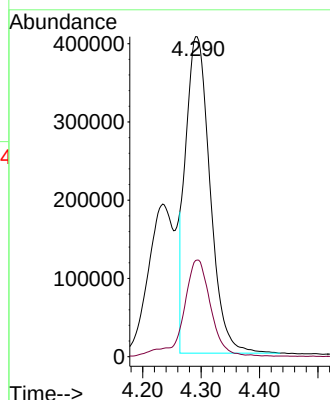
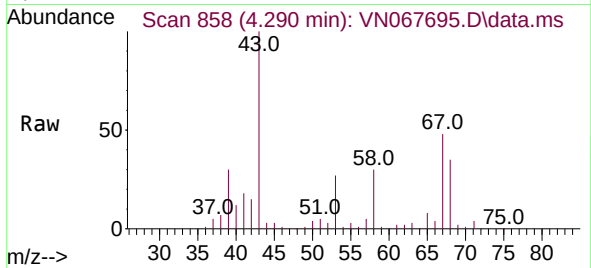
#16
Acetone
Concen: 349.828 ug/l
RT: 4.290 min Scan# 858
Delta R.T. 0.002 min
Lab File: VN067695.D
Acq: 9 Jul 2021 19:06

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Tgt Ion: 43 Resp: 1171689
Ion Ratio Lower Upper
43 100
58 30.2 21.2 31.8

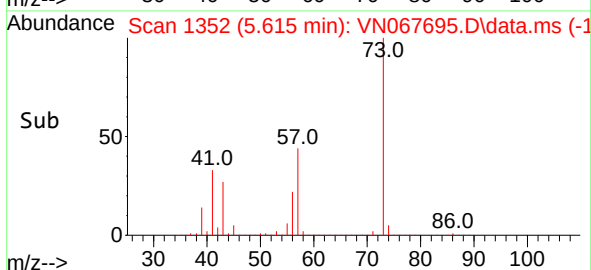
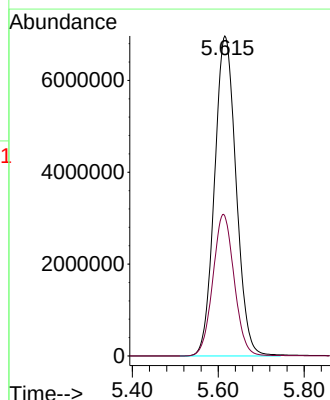
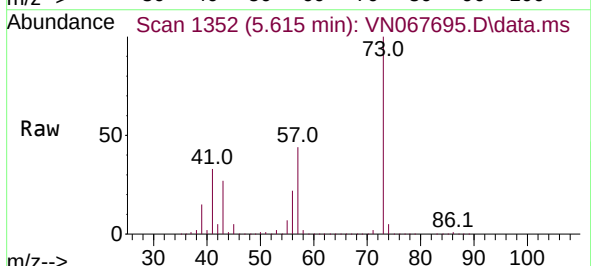
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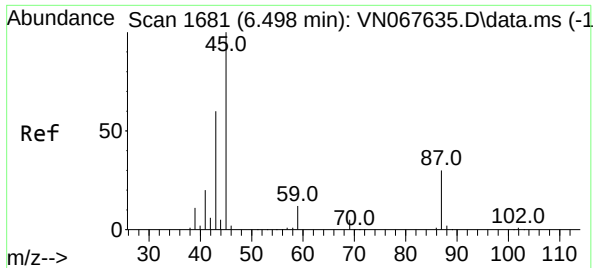
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#19
Methyl tert-butyl Ether
Concen: 937.004 ug/l
RT: 5.615 min Scan# 1352
Delta R.T. -0.003 min
Lab File: VN067695.D
Acq: 9 Jul 2021 19:06

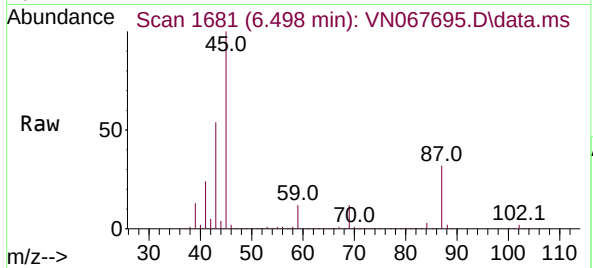
Tgt Ion: 73 Resp: 24316634
Ion Ratio Lower Upper
73 100
57 43.7 17.0 25.6#





#22
Diisopropyl ether
Concen: 457.242 ug/l
RT: 6.498 min Scan# 1681
Delta R.T. -0.000 min
Lab File: VN067695.D
Acq: 9 Jul 2021 19:06

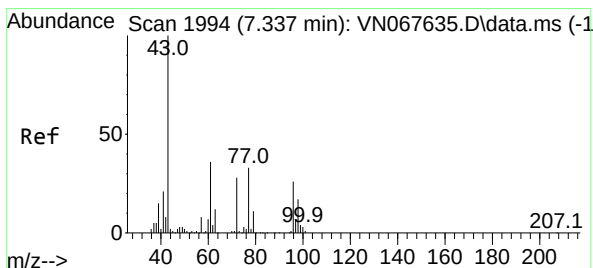
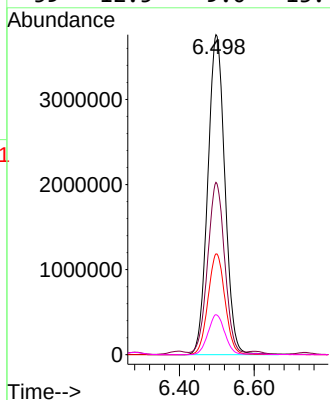
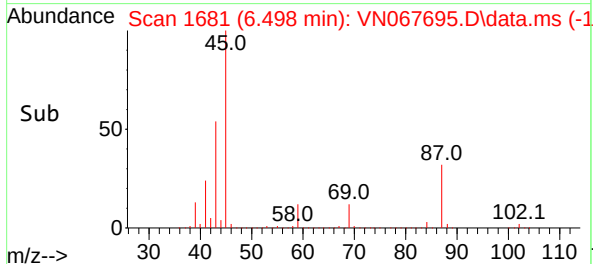
Instrument :
MSVOA_N
ClientSampled :
33262



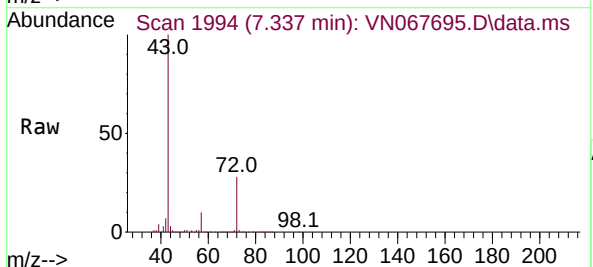
Tgt Ion: 45 Resp:11944553
Ion Ratio Lower Upper
45 100
43 53.7 49.4 74.2
87 31.5 20.9 31.3#
59 12.5 9.0 13.4

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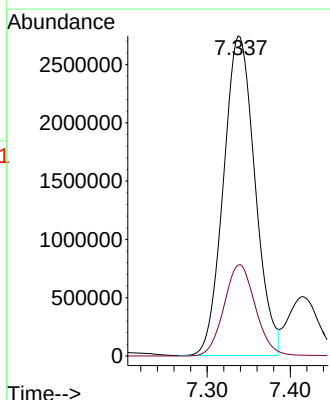
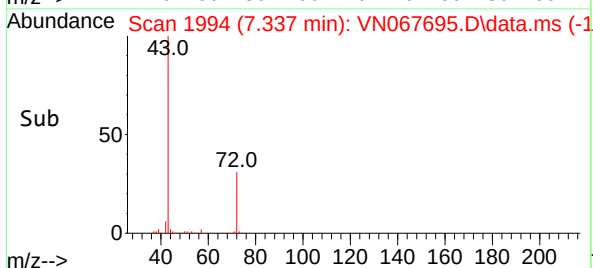
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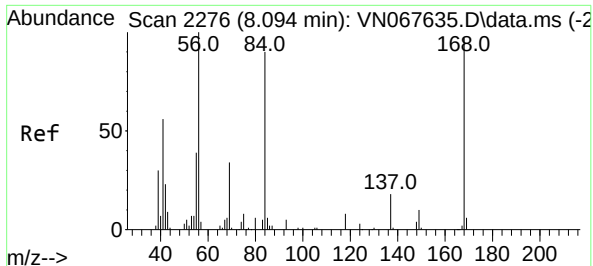


#25
2-Butanone
Concen: 1300.435 ug/l
RT: 7.337 min Scan# 1994
Delta R.T. 0.000 min
Lab File: VN067695.D
Acq: 9 Jul 2021 19:06

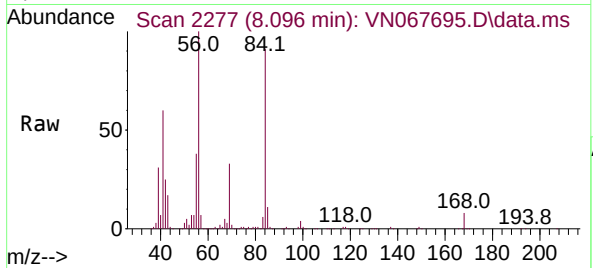


Tgt Ion: 43 Resp: 7232609
Ion Ratio Lower Upper
43 100
72 28.5 19.7 29.5



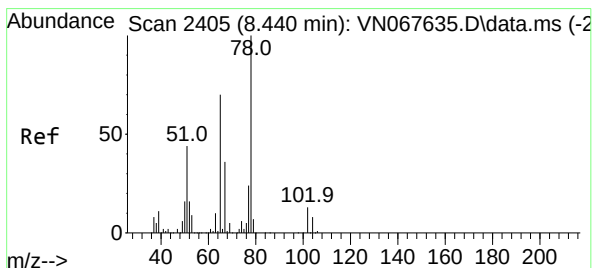
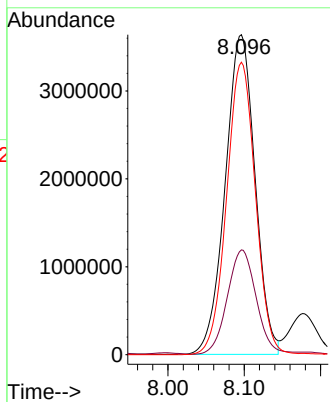
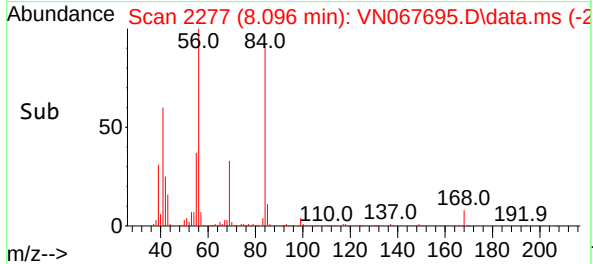


#31
Cyclohexane
Concen: 662.387 ug/l
RT: 8.096 min Scan# 2277
Delta R.T. 0.002 min
Lab File: VN067695.D
Acq: 9 Jul 2021 19:06

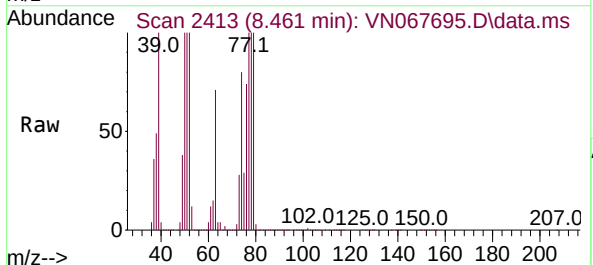


Tgt Ion: 56 Resp: 9886131

Ion	Ratio	Lower	Upper
56	100		
69	32.4	27.3	40.9
84	91.5	64.9	97.3

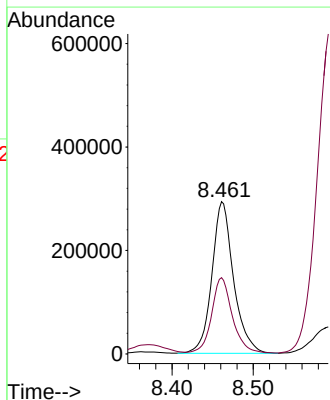
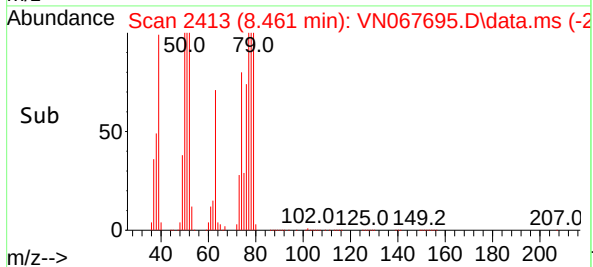


#33
1,2-Dichloroethane-d4
Concen: 51.045 ug/l
RT: 8.461 min Scan# 2413
Delta R.T. 0.021 min
Lab File: VN067695.D
Acq: 9 Jul 2021 19:06



Tgt Ion: 65 Resp: 543341

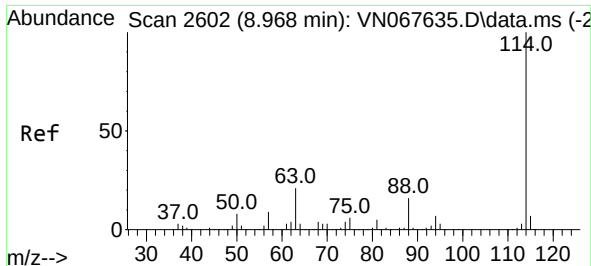
Ion	Ratio	Lower	Upper
65	100		
67	47.3	0.0	98.6



Instrument :
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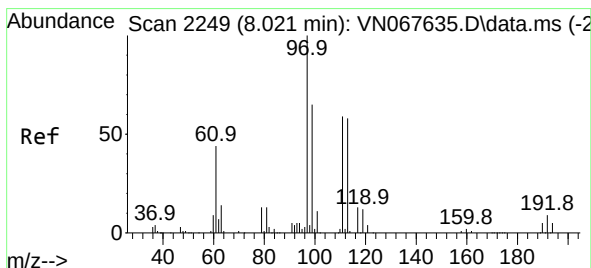
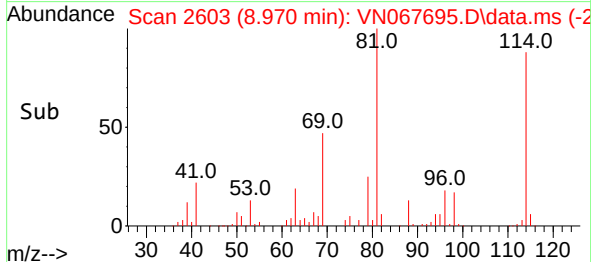
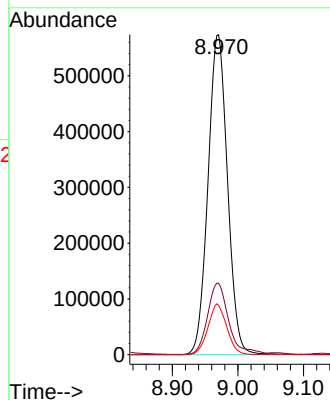
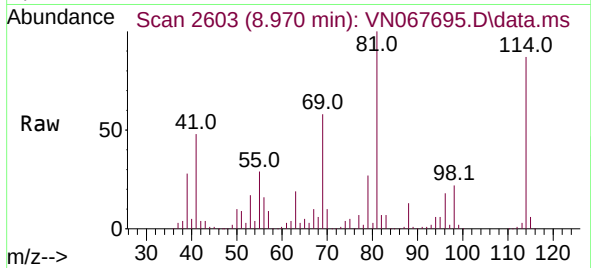
#34
1,4-Difluorobenzene
Concen: 50.000 ug/l
RT: 8.970 min Scan# 2603
Delta R.T. 0.002 min
Lab File: VN067695.D
Acq: 9 Jul 2021 19:06

Tgt Ion:114 Resp: 1184094
Ion Ratio Lower Upper
114 100
63 22.2 0.0 49.0
88 15.4 0.0 36.6

Instrument :
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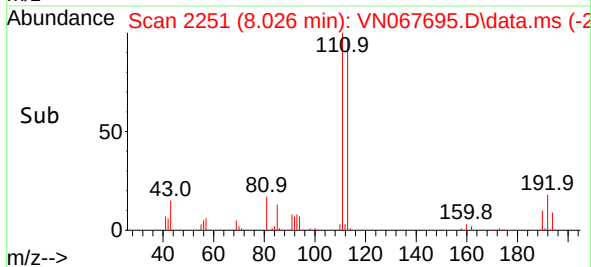
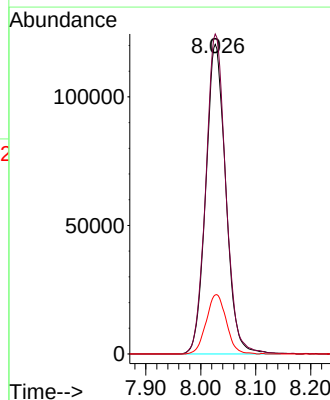
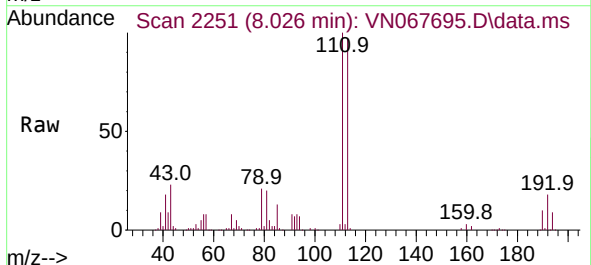
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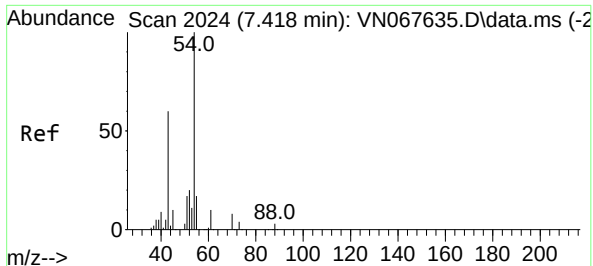
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#35
Dibromofluoromethane
Concen: 42.513 ug/l
RT: 8.026 min Scan# 2251
Delta R.T. 0.005 min
Lab File: VN067695.D
Acq: 9 Jul 2021 19:06

Tgt Ion:113 Resp: 304139
Ion Ratio Lower Upper
113 100
111 103.6 83.8 125.8
192 19.3 13.4 20.0





#37

Ethyl Acetate

Concen: 118.127 ug/l

RT: 7.415 min Scan# 2023

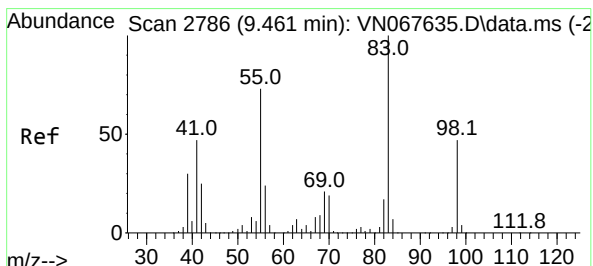
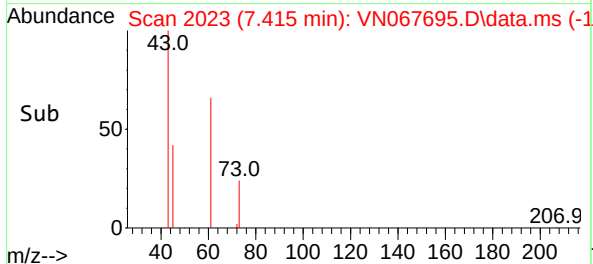
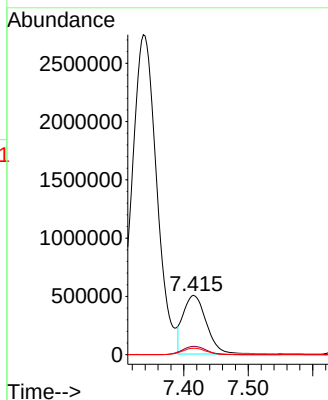
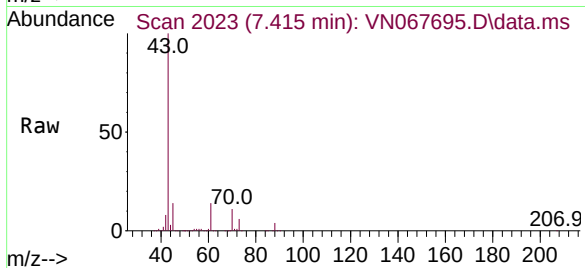
Delta R.T. -0.003 min

Lab File: VN067695.D

Acq: 9 Jul 2021 19:06

Tgt Ion: 43 Resp: 1258918

Ion	Ratio	Lower	Upper
43	100		
61	14.7	10.6	16.0
70	11.2	8.1	12.1



#39

Methylcyclohexane

Concen: 541.959 ug/l

RT: 9.461 min Scan# 2786

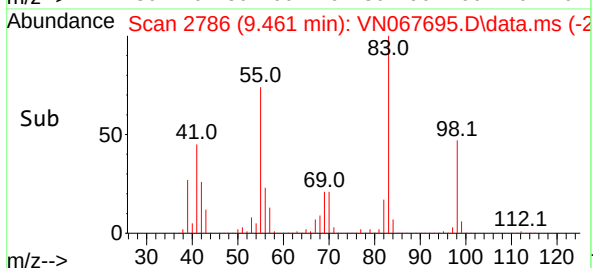
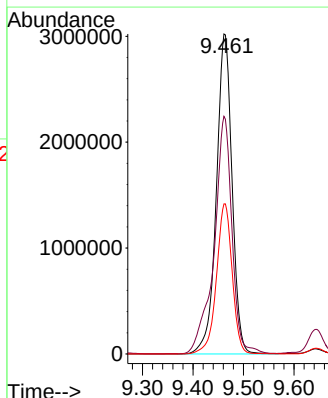
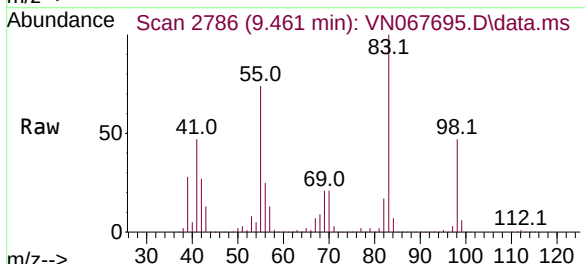
Delta R.T. 0.000 min

Lab File: VN067695.D

Acq: 9 Jul 2021 19:06

Tgt Ion: 83 Resp: 6525812

Ion	Ratio	Lower	Upper
83	100		
55	74.2	66.6	99.8
98	46.9	35.3	52.9



Instrument :

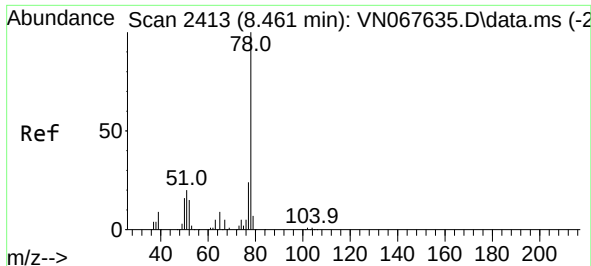
MSVOA_N

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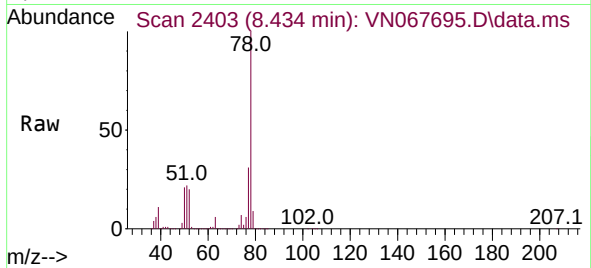
Manual Integrations
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#40
Benzene
Concen: 1568.296 ug/l m
RT: 8.434 min Scan# 2403
Delta R.T. -0.027 min
Lab File: VN067695.D
Acq: 9 Jul 2021 19:06

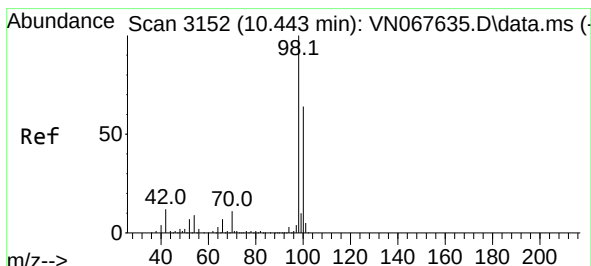
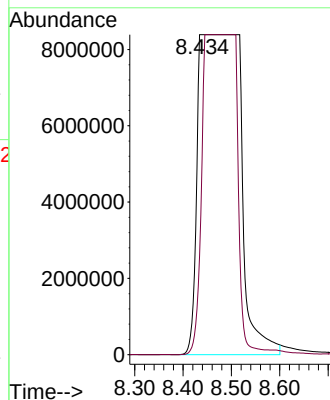
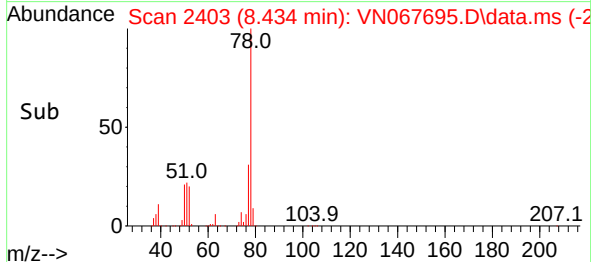
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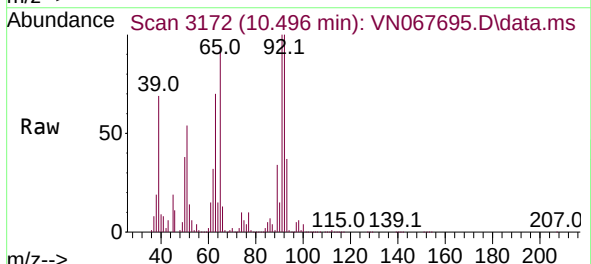
Tgt Ion: 78 Resp: 51634221
Ion Ratio Lower Upper
78 100
77 30.7 18.9 28.3#

Manual Integrations
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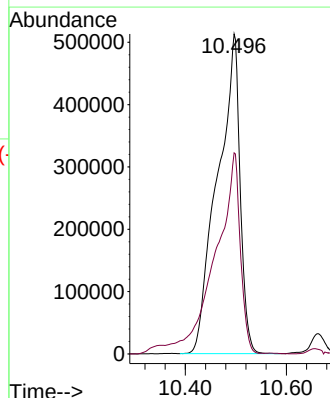
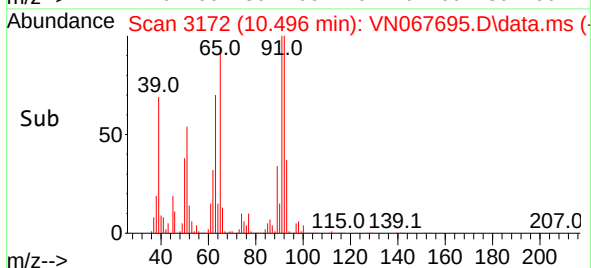
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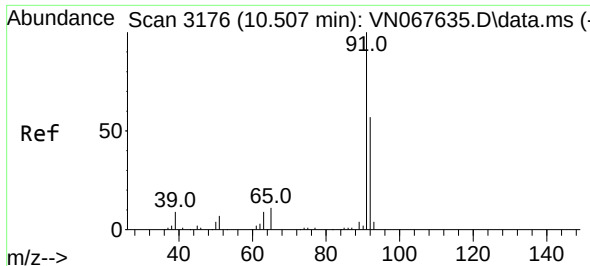


#50
Toluene-d8
Concen: 52.825 ug/l
RT: 10.496 min Scan# 3172
Delta R.T. 0.053 min
Lab File: VN067695.D
Acq: 9 Jul 2021 19:06



Tgt Ion: 98 Resp: 1581841
Ion Ratio Lower Upper
98 100
100 65.0 51.7 77.5





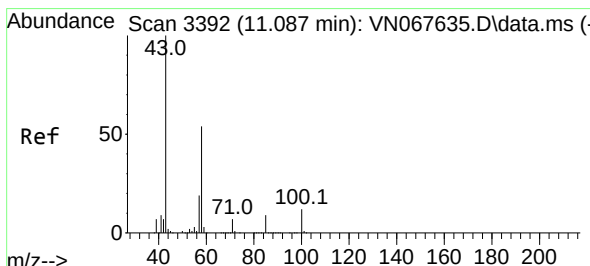
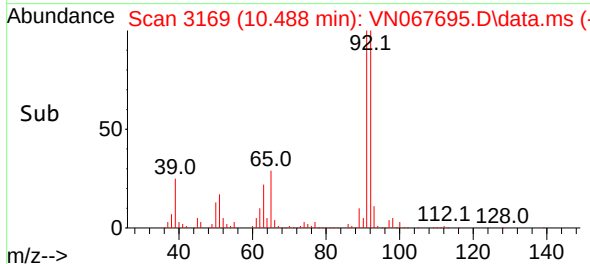
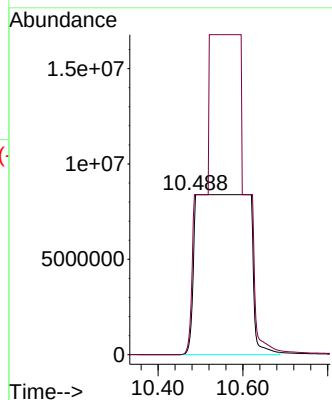
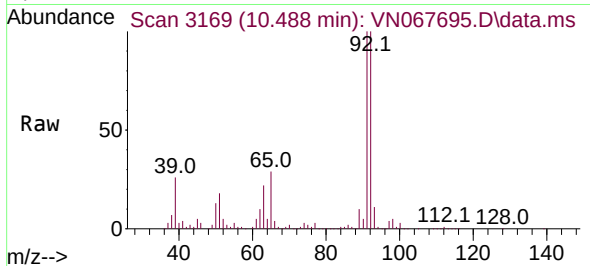
#52
Toluene
Concen: 3404.631 ug/l m
RT: 10.488 min Scan# 3169
Delta R.T. -0.019 min
Lab File: VN067695.D
Acq: 9 Jul 2021 19:06

Tgt Ion: 92 Resp: 73427188
Ion Ratio Lower Upper
92 100
91 0.0 139.6 209.4#

Instrument :
MSVOA_N
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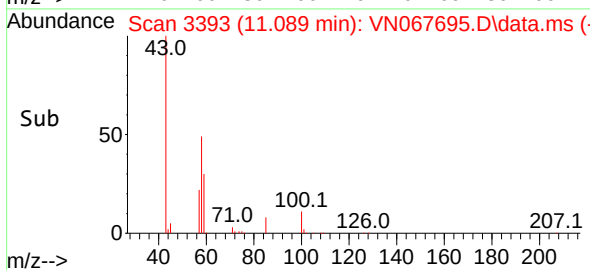
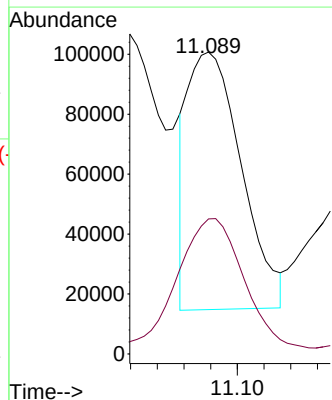
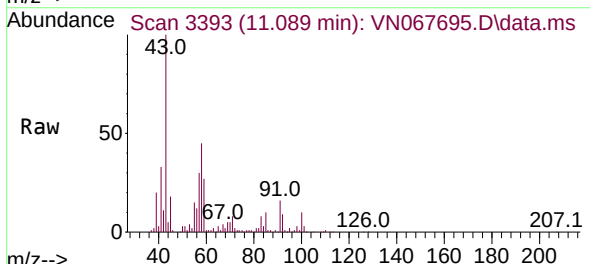
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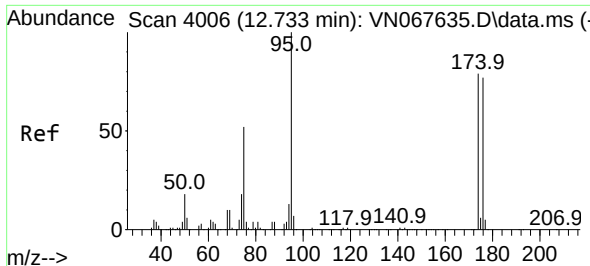
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#59
2-Hexanone
Concen: 14.899 ug/l
RT: 11.089 min Scan# 3393
Delta R.T. 0.002 min
Lab File: VN067695.D
Acq: 9 Jul 2021 19:06

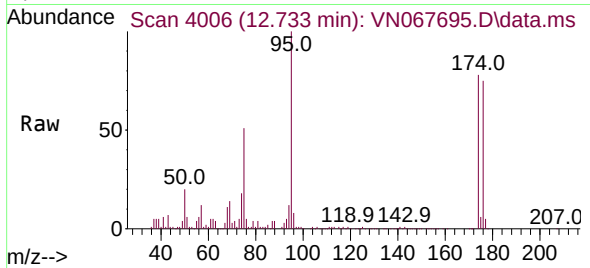
Tgt Ion: 43 Resp: 119774
Ion Ratio Lower Upper
43 100
58 70.1 24.7 74.1





#62
4-Bromofluorobenzene
Concen: 57.985 ug/l
RT: 12.733 min Scan# 4006
Delta R.T. 0.000 min
Lab File: VN067695.D
Acq: 9 Jul 2021 19:06

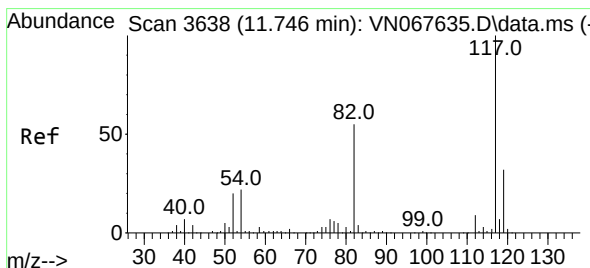
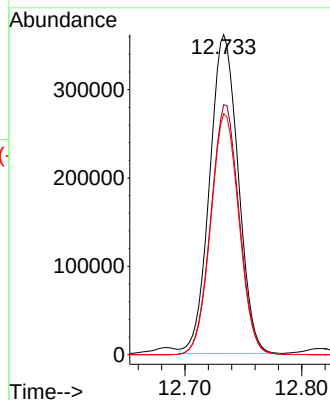
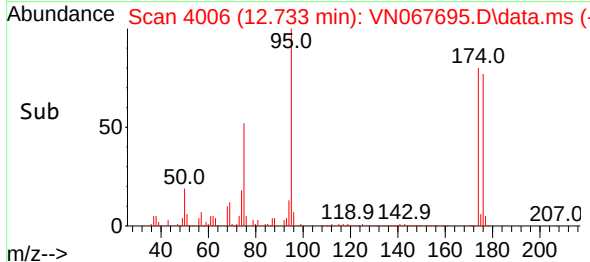
Instrument :
MSVOA_N
ClientSampled :
33262



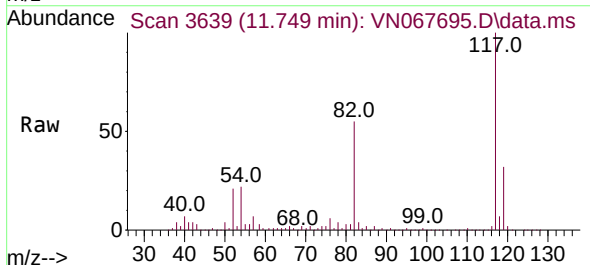
Tgt Ion: 95 Resp: 613372
Ion Ratio Lower Upper
95 100
174 78.0 0.0 122.0
176 75.0 0.0 117.6

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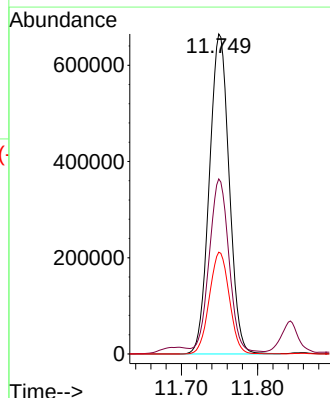
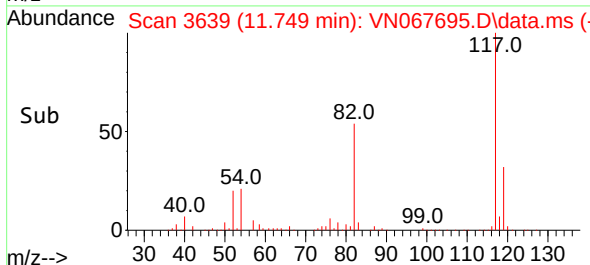
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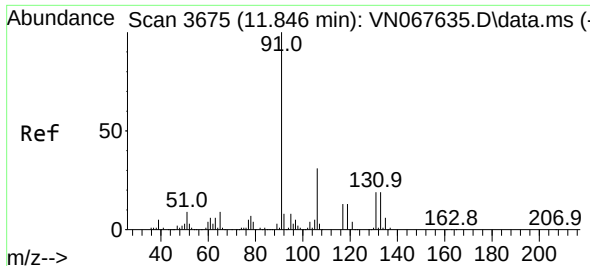


#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 11.749 min Scan# 3639
Delta R.T. 0.002 min
Lab File: VN067695.D
Acq: 9 Jul 2021 19:06



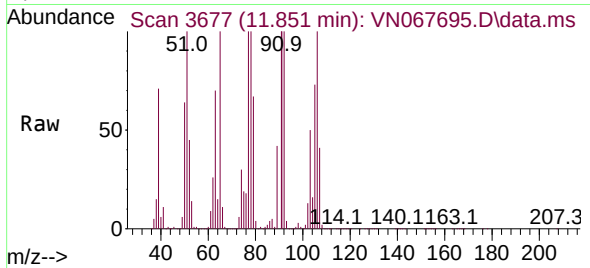
Tgt Ion: 117 Resp: 1197566
Ion Ratio Lower Upper
117 100
82 52.6 53.1 79.7#
119 31.8 25.5 38.3





#67
Ethyl Benzene
Concen: 918.228 ug/l m
RT: 11.851 min Scan# 3677
Delta R.T. 0.005 min
Lab File: VN067695.D
Acq: 9 Jul 2021 19:06

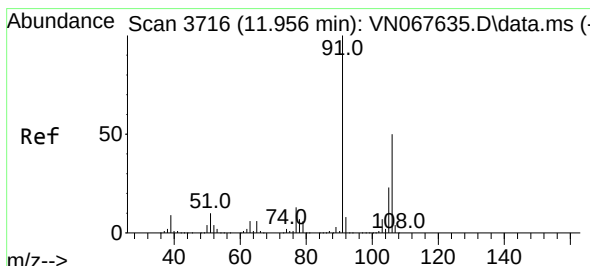
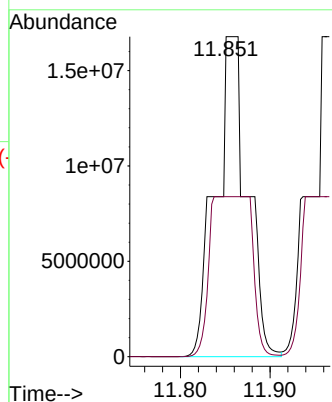
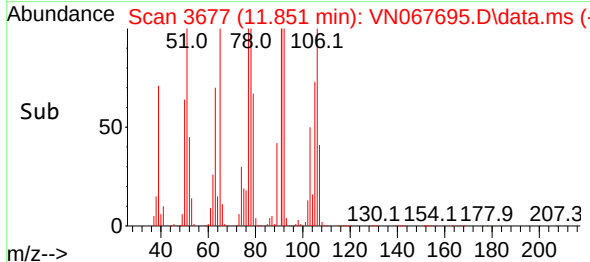
Instrument :
MSVOA_N
ClientSampled :
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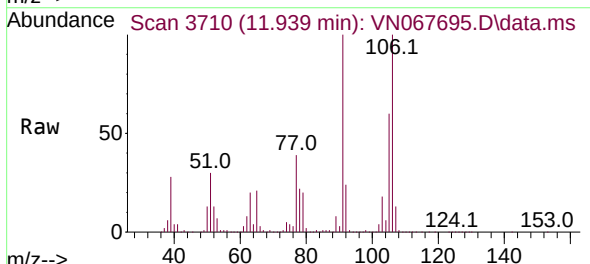
Tgt Ion: 91 Resp:41114884
Ion Ratio Lower Upper
91 100
106 100.0 23.4 35.0#

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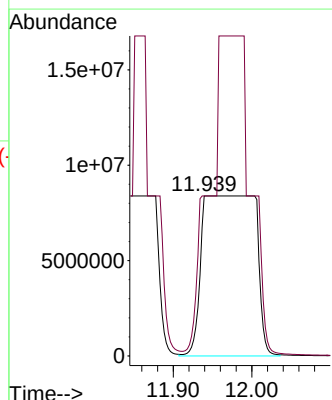
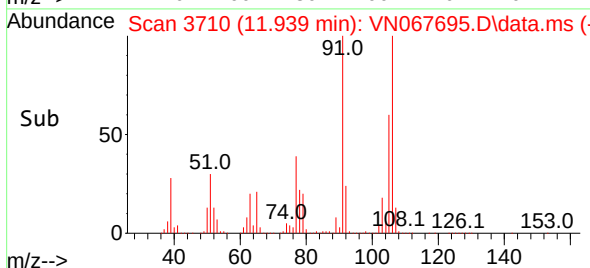
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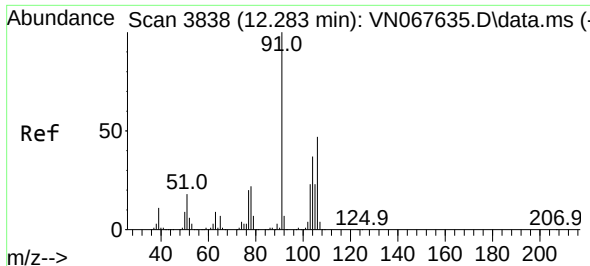


#68
m/p-Xylenes
Concen: 2337.870 ug/l m
RT: 11.939 min Scan# 3710
Delta R.T. -0.017 min
Lab File: VN067695.D
Acq: 9 Jul 2021 19:06



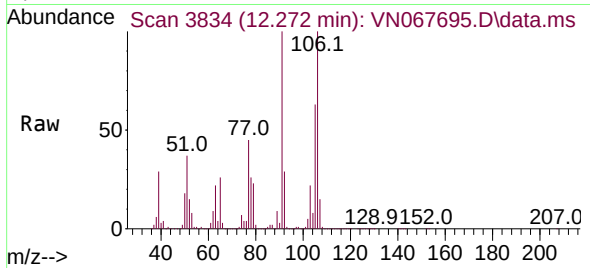
Tgt Ion:106 Resp:39592569
Ion Ratio Lower Upper
106 100
91 0.0 180.6 270.8#





#69
o-Xylene
Concen: 1821.299 ug/l m
RT: 12.272 min Scan# 3834
Delta R.T. -0.011 min
Lab File: VN067695.D
Acq: 9 Jul 2021 19:06

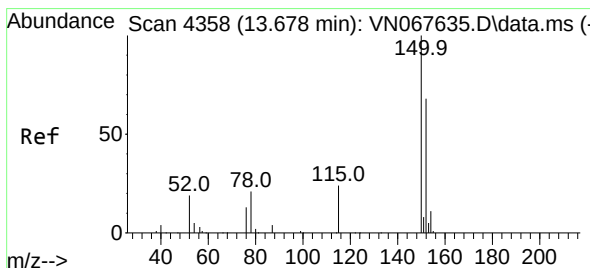
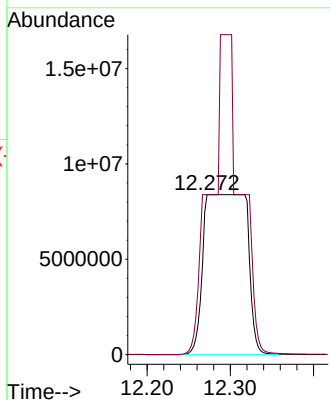
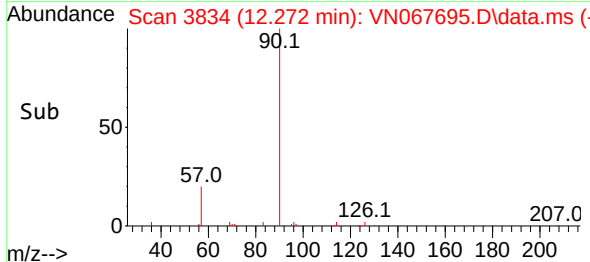
Instrument :
MSVOA_N
ClientSampled :
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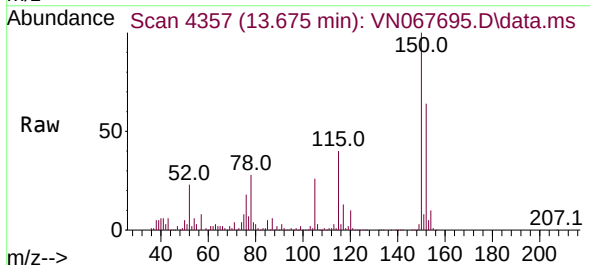
Tgt Ion:106 Resp:30325585
Ion Ratio Lower Upper
106 100
91 0.0 118.3 354.9#

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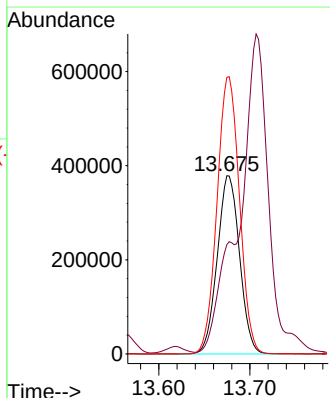
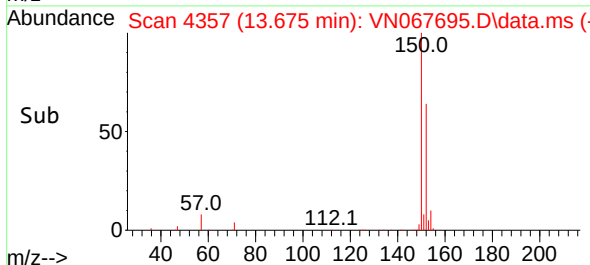
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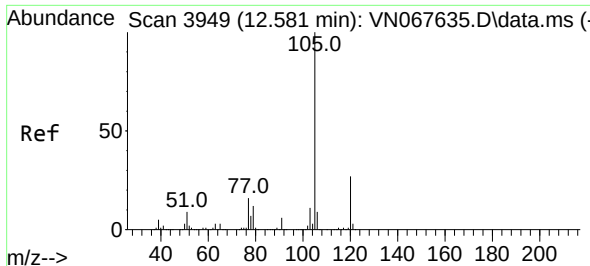


#72
1,4-Dichlorobenzene-d4
Concen: 50.000 ug/l
RT: 13.675 min Scan# 4357
Delta R.T. -0.003 min
Lab File: VN067695.D
Acq: 9 Jul 2021 19:06



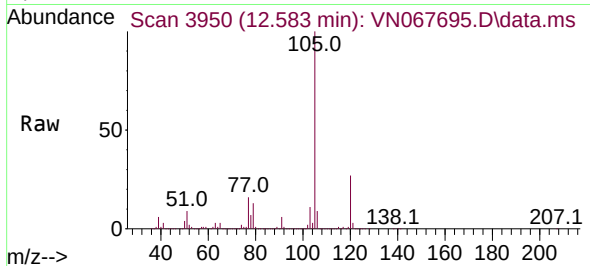
Tgt Ion:152 Resp: 643068
Ion Ratio Lower Upper
152 100
115 46.0 36.1 108.5
150 156.8 0.0 351.8





#73
Isopropylbenzene
Concen: 125.286 ug/l
RT: 12.583 min Scan# 3950
Delta R.T. 0.002 min
Lab File: VN067695.D
Acq: 9 Jul 2021 19:06

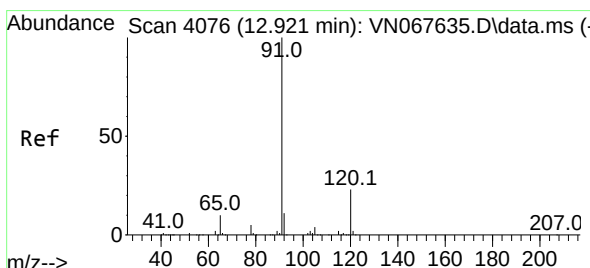
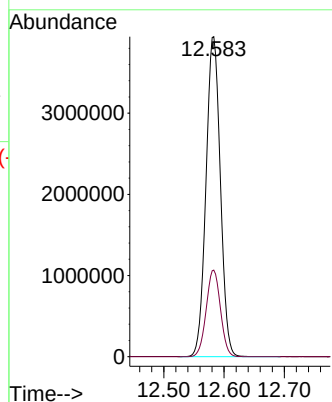
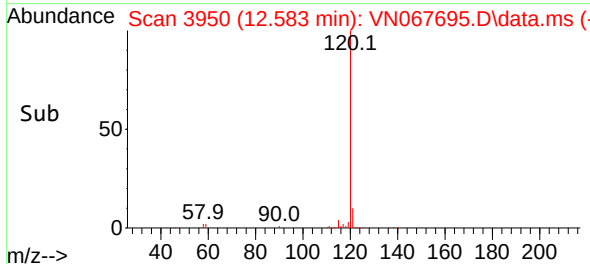
Instrument :
MSVOA_N
ClientSampled :
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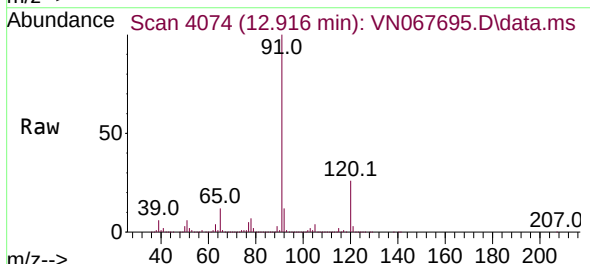
Tgt Ion:105 Resp: 6500537
Ion Ratio Lower Upper
105 100
120 27.0 12.5 37.5

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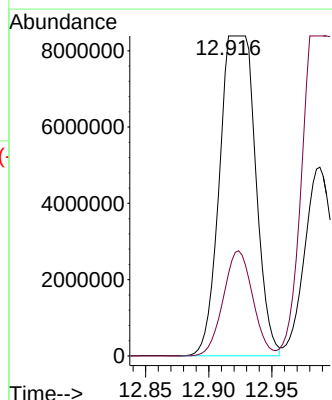
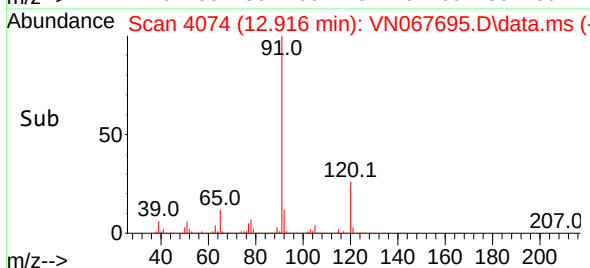
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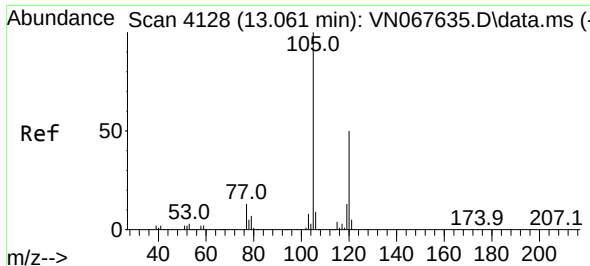


#78
n-propylbenzene
Concen: 283.021 ug/l m
RT: 12.916 min Scan# 4074
Delta R.T. -0.005 min
Lab File: VN067695.D
Acq: 9 Jul 2021 19:06



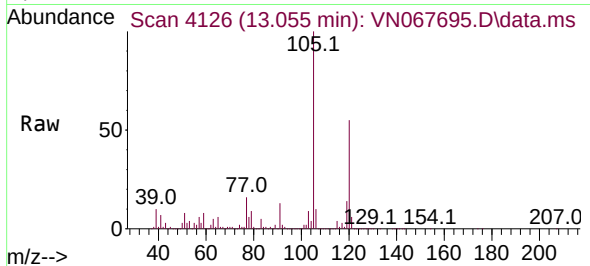
Tgt Ion: 91 Resp:16608660
Ion Ratio Lower Upper
91 100
120 0.0 10.4 31.4#





#80
1,3,5-Trimethylbenzene
Concen: 391.508 ug/l m
RT: 13.055 min Scan# 4126
Delta R.T. -0.006 min
Lab File: VN067695.D
Acq: 9 Jul 2021 19:06

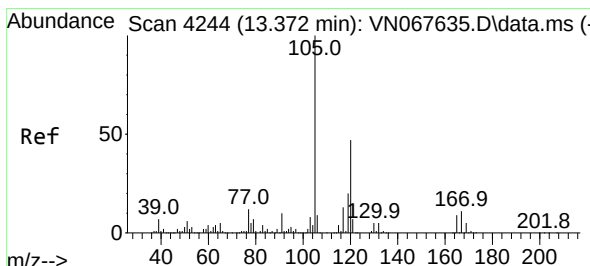
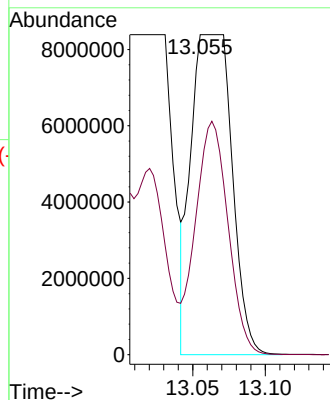
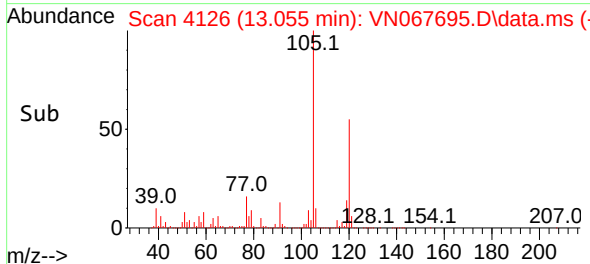
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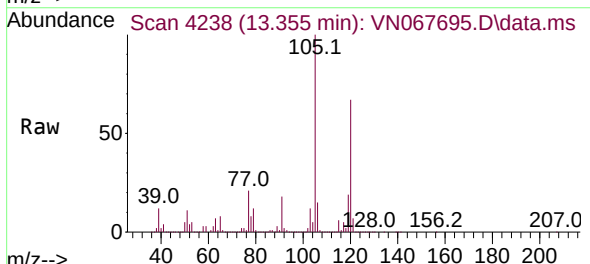
Tgt Ion:105 Resp:16459456
Ion Ratio Lower Upper
105 100
120 57.7 22.2 66.6

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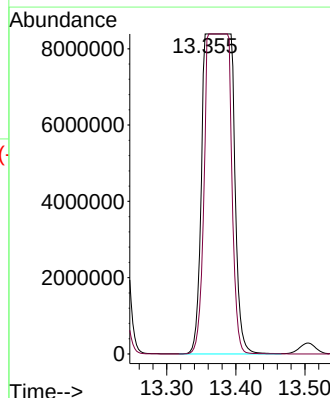
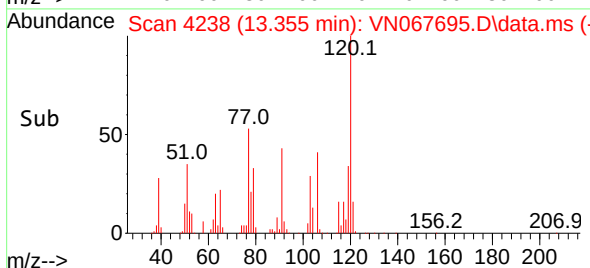
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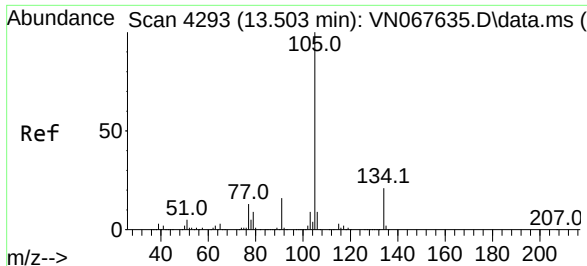


#84
1,2,4-Trimethylbenzene
Concen: 636.122 ug/l m
RT: 13.355 min Scan# 4238
Delta R.T. -0.017 min
Lab File: VN067695.D
Acq: 9 Jul 2021 19:06



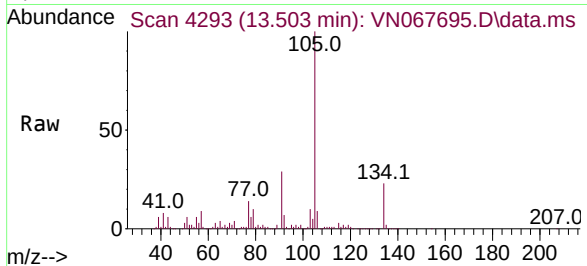
Tgt Ion:105 Resp:26204361
Ion Ratio Lower Upper
105 100
120 0.0 20.6 61.8#





#85
 sec-Butylbenzene
 Concen: 9.089 ug/l
 RT: 13.503 min Scan# 4293
 Delta R.T. -0.000 min
 Lab File: VN067695.D
 Acq: 9 Jul 2021 19:06

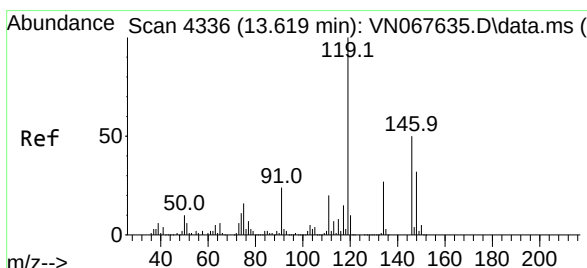
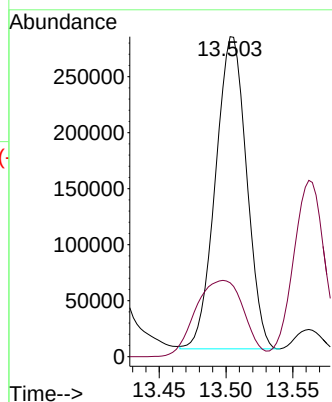
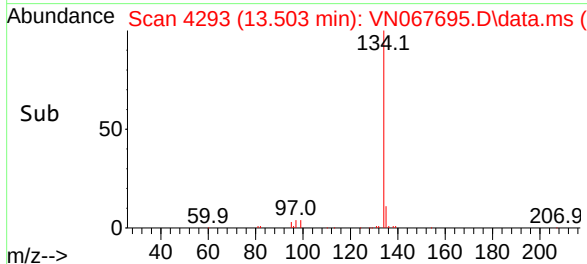
Instrument :
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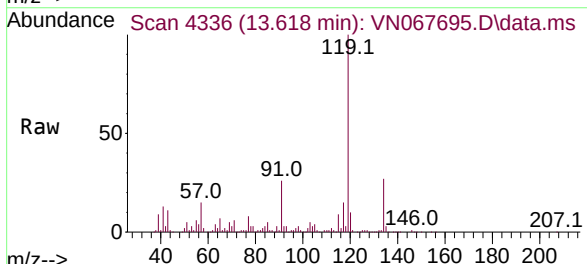
Tgt Ion:105 Resp: 451013
 Ion Ratio Lower Upper
 105 100
 134 37.8 9.0 27.1#

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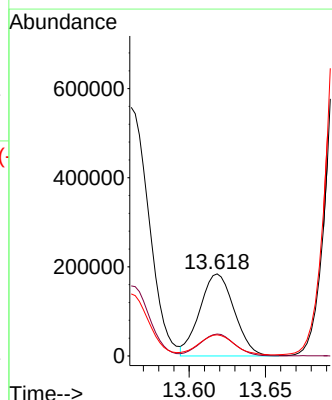
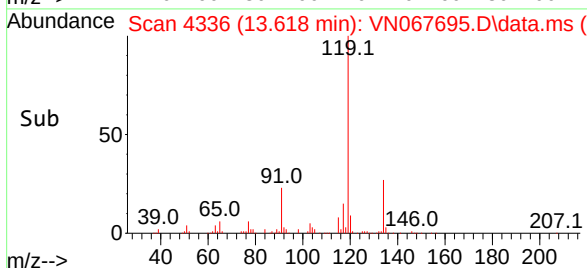
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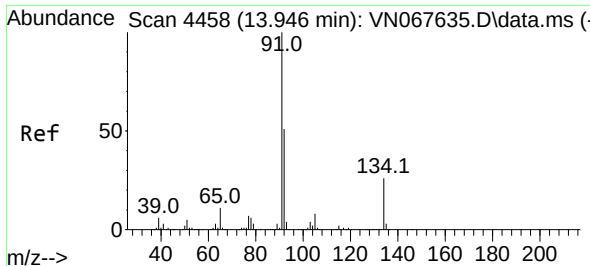


#86
 p-Isopropyltoluene
 Concen: 7.220 ug/l m
 RT: 13.618 min Scan# 4336
 Delta R.T. -0.001 min
 Lab File: VN067695.D
 Acq: 9 Jul 2021 19:06

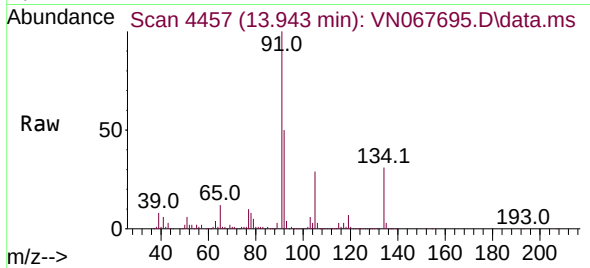


Tgt Ion:119 Resp: 289104
 Ion Ratio Lower Upper
 119 100
 134 88.5 12.4 37.4#
 91 0.0 14.8 44.3#

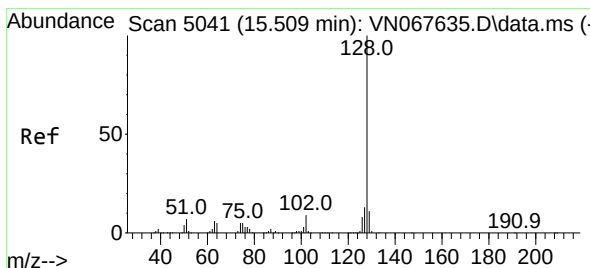
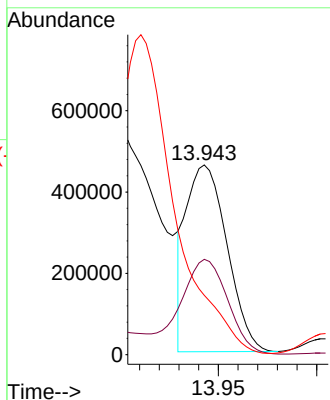
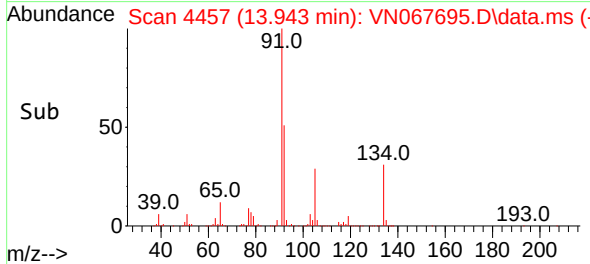




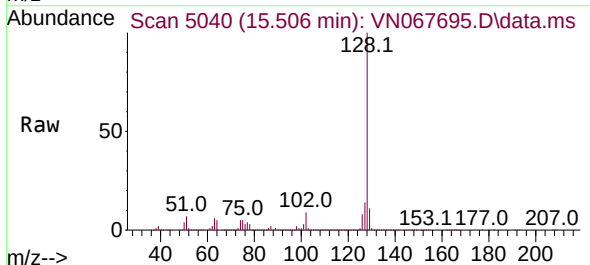
#89
n-Butylbenzene
Concen: 19.287 ug/l
RT: 13.943 min Scan# 4457
Delta R.T. -0.003 min
Lab File: VN067695.D
Acq: 9 Jul 2021 19:06



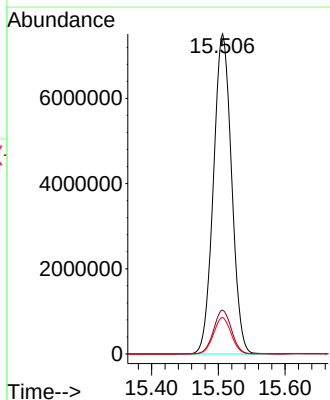
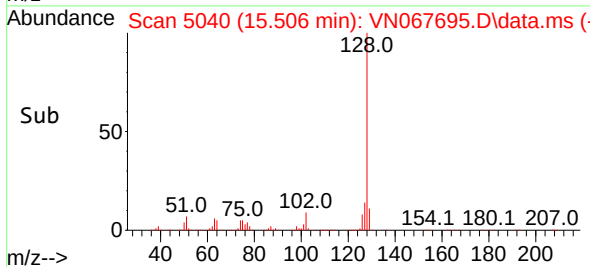
Tgt Ion: 91 Resp: 662405
Ion Ratio Lower Upper
91 100
92 58.0 25.7 77.1
134 0.0 11.2 33.6#



#95
Naphthalene
Concen: 425.550 ug/l
RT: 15.506 min Scan# 5040
Delta R.T. -0.003 min
Lab File: VN067695.D
Acq: 9 Jul 2021 19:06



Tgt Ion:128 Resp:14156838
Ion Ratio Lower Upper
128 100
127 13.6 10.6 15.8
129 11.1 8.6 12.8



Instrument :
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