

Data Path : Z:\voasrv\HPCHEM1\MSVOA_N\Data\VN081621\
 Data File : VN068129.D
 Acq On : 16 Aug 2021 20:41
 Operator : JC/MD
 Sample : PB138399ZHE#18
 Misc : 5.00mL/MSVOA_N/WATER
 ALS Vial : 24 Sample Multiplier: 1

Instrument :
 MSVOA_N
 ClientSampleId :
 PB138399ZHE#18

Quant Time: Aug 17 07:18:14 2021
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA_N\methods\82N072921W.M
 Quant Title : SW846 8260
 QLast Update : Thu Jul 29 15:02:35 2021
 Response via : Initial Calibration

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

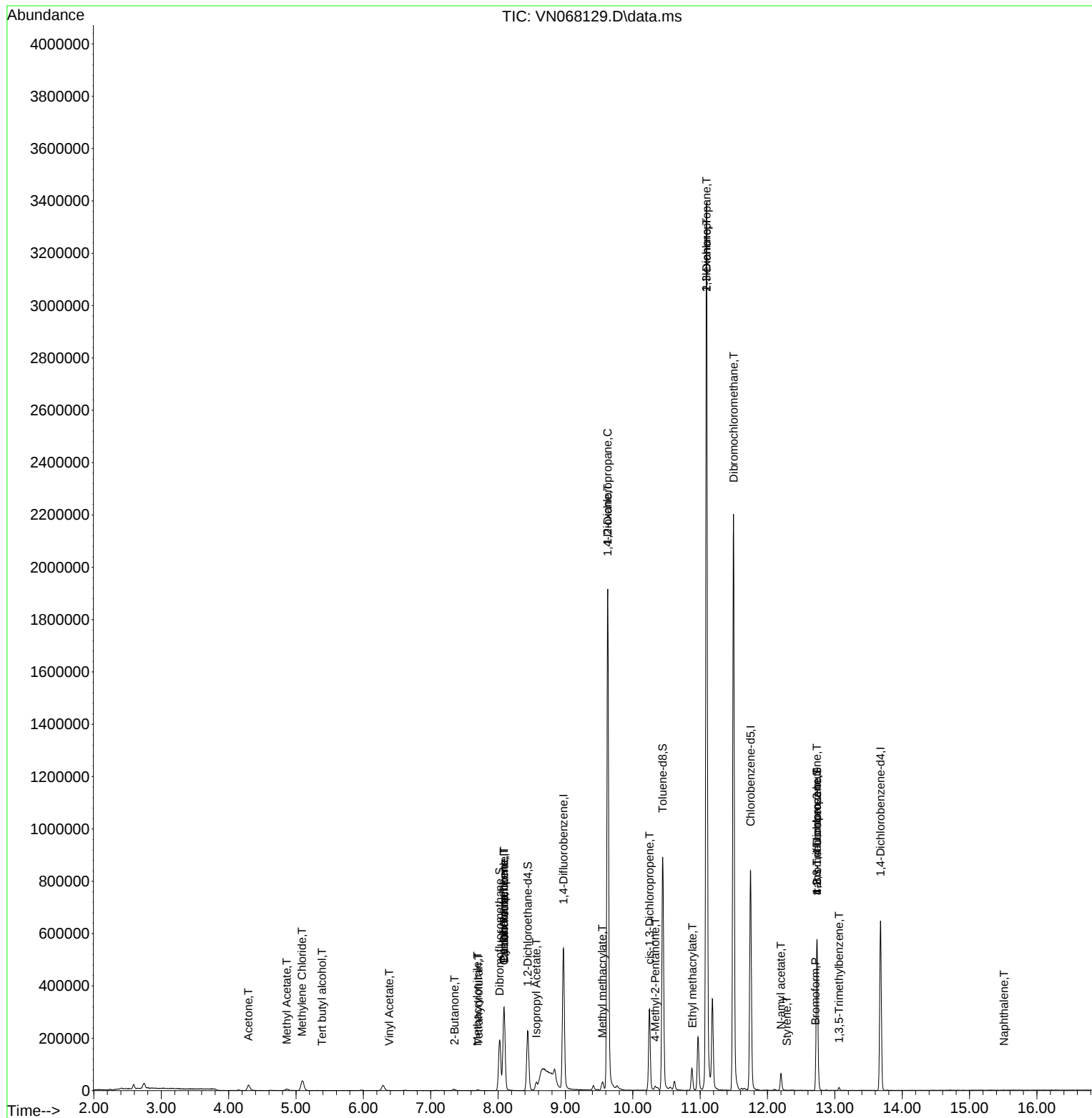
Internal Standards						
1) Pentafluorobenzene	8.088	168	229267	50.000	ug/l	0.00
34) 1,4-Difluorobenzene	8.971	114	467708	50.000	ug/l	0.00
63) Chlorobenzene-d5	11.749	117	485960	50.000	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.678	152	163347	50.000	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	8.440	65	191016	58.853	ug/l	0.00
Spiked Amount 50.000	Range 61 - 141		Recovery = 117.700%			
35) Dibromofluoromethane	8.024	113	144839	53.138	ug/l	0.00
Spiked Amount 50.000	Range 69 - 133		Recovery = 106.280%			
50) Toluene-d8	10.443	98	629558	50.043	ug/l	0.00
Spiked Amount 50.000	Range 65 - 126		Recovery = 100.080%			
62) 4-Bromofluorobenzene	12.736	95	203224	44.720	ug/l	0.00
Spiked Amount 50.000	Range 58 - 135		Recovery = 89.440%			
Target Compounds						Qvalue
11) Tert butyl alcohol	5.388	59	348	0.800	ug/l #	71
16) Acetone	4.293	43	39573	33.416	ug/l	93
18) Methyl Acetate	4.865	43	11886	4.080	ug/l	96
20) Methylene Chloride	5.090	84	15703	5.489	ug/l	96
23) Vinyl Acetate	6.383	43	24	8.803	ug/l #	75
25) 2-Butanone	7.353	43	7175	4.176	ug/l	92
29) Tetrahydrofuran	7.713	42	2009	1.826	ug/l #	50
31) Cyclohexane	8.088	56	6232	1.302	ug/l #	22
36) 1,1-Dichloropropene	8.088	75	21046	4.865	ug/l #	44
38) Carbon Tetrachloride	8.091	117	25438	5.979	ug/l #	18
41) Methacrylonitrile	7.694	41	1274	0.657	ug/l #	49
43) Isopropyl Acetate	8.568	43	35331	5.207	ug/l #	91
45) 1,2-Dichloropropane	9.628	63	2280	0.714	ug/l #	44
48) Methyl methacrylate	9.550	41	8304	4.646	ug/l #	12
49) 1,4-Dioxane	9.625	88	130	2.409	ug/l #	1
51) 4-Methyl-2-Pentanone	10.333	43	6718	13.857	ug/l #	77
54) cis-1,3-Dichloropropene	10.247	75	54927	11.398	ug/l #	61
56) Ethyl methacrylate	10.886	69	560	3.189	ug/l #	1
57) 1,3-Dichloropropane	11.095	76	35988	6.840	ug/l #	43
59) 2-Hexanone	11.095	43	527622	155.056	ug/l #	54
60) Dibromochloromethane	11.497	129	197	3.348	ug/l #	11
70) Styrene	12.288	104	26	2.634	ug/l #	22
71) Bromoform	12.712	173	29	4.039	ug/l #	29
74) N-amyl acetate	12.197	43	20280	4.378	ug/l #	58
76) 1,2,3-Trichloropropane	12.733	75	115866	35.320	ug/l #	100
80) 1,3,5-Trimethylbenzene	13.063	105	5950	0.551	ug/l	96
81) trans-1,4-Dichloro-2-b...	12.733	75	115866	94.538	ug/l #	6
95) Naphthalene	15.509	128	163	3.142	ug/l #	69

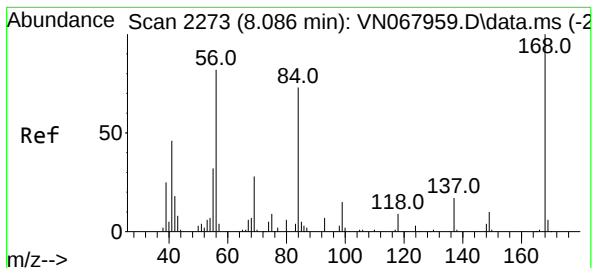
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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Quant Title : SW846 8260
QLast Update : Thu Jul 29 15:02:35 2021
Response via : Initial Calibration





#1

Pentafluorobenzene

Concen: 50.000 ug/l

RT: 8.088 min Scan# 2274

Delta R.T. 0.002 min

Lab File: VN068129.D

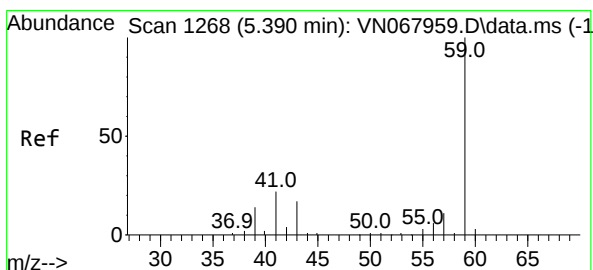
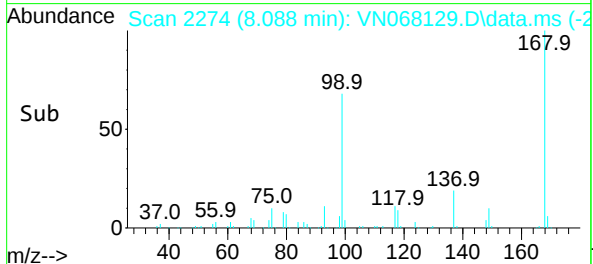
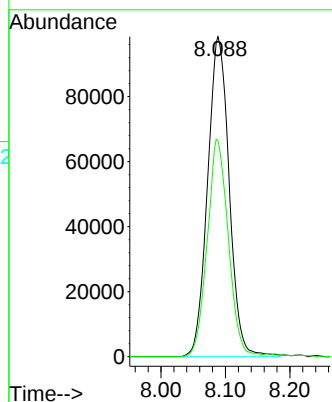
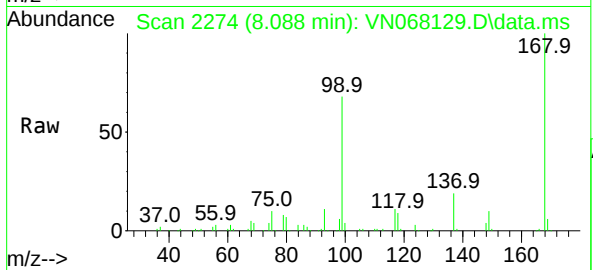
Acq: 16 Aug 2021 20:41

Tgt Ion:168 Resp: 229267

Ion Ratio Lower Upper

168 100

99 67.5 62.9 94.3



#11

Tert butyl alcohol

Concen: 0.800 ug/l

RT: 5.388 min Scan# 1267

Delta R.T. -0.002 min

Lab File: VN068129.D

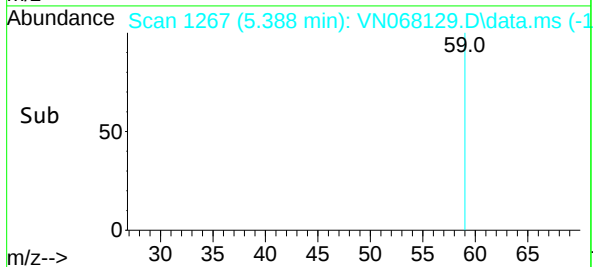
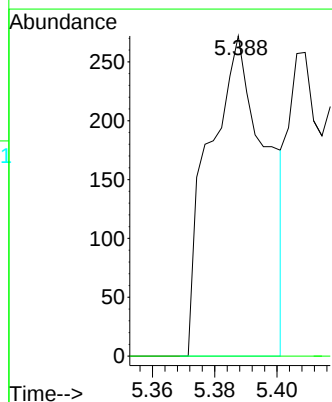
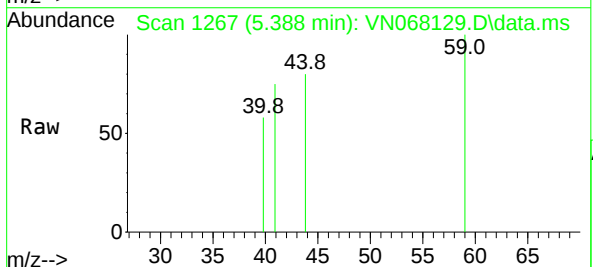
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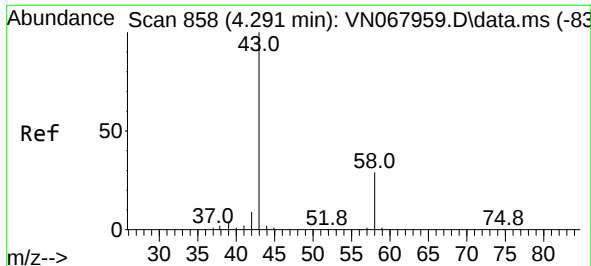
Tgt Ion: 59 Resp: 348

Ion Ratio Lower Upper

59 100

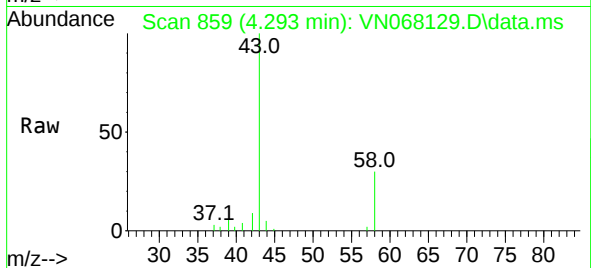
57 0.0 8.7 13.1#



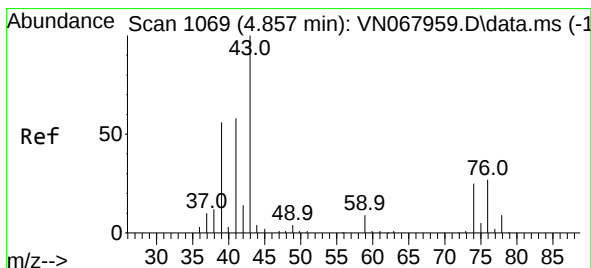
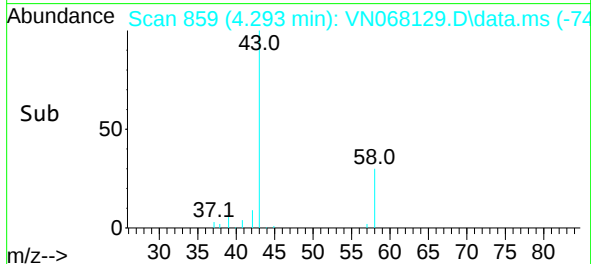
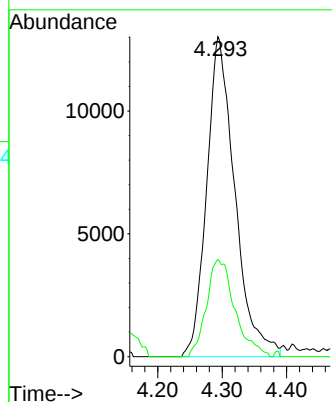


#16
Acetone
Concen: 33.416 ug/l
RT: 4.293 min Scan# 859
Delta R.T. 0.002 min
Lab File: VN068129.D
Acq: 16 Aug 2021 20:41

Instrument :
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ClientSampleId :
PB138399ZHE#18

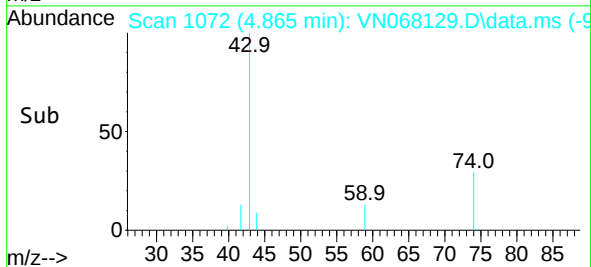
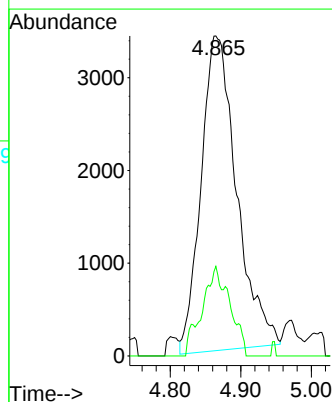
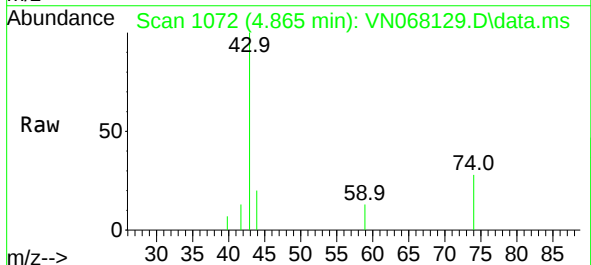


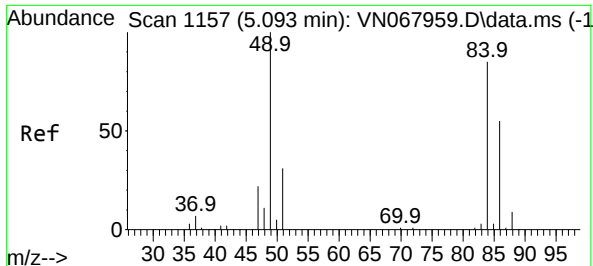
Tgt Ion: 43 Resp: 39573
Ion Ratio Lower Upper
43 100
58 30.3 21.2 31.8



#18
Methyl Acetate
Concen: 4.080 ug/l
RT: 4.865 min Scan# 1072
Delta R.T. 0.008 min
Lab File: VN068129.D
Acq: 16 Aug 2021 20:41

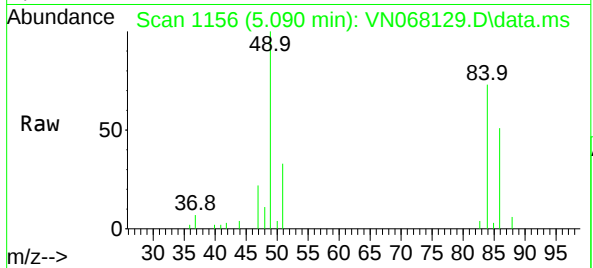
Tgt Ion: 43 Resp: 11886
Ion Ratio Lower Upper
43 100
74 19.8 17.4 26.0



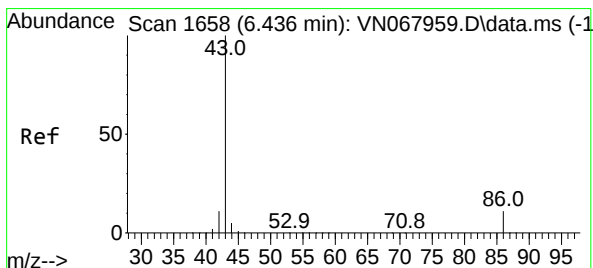
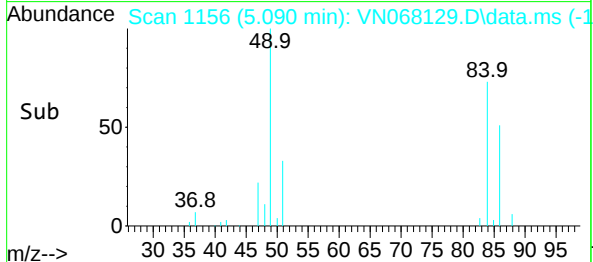
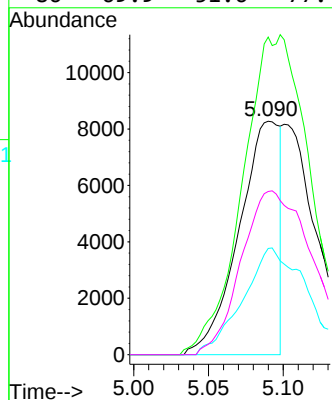


#20
Methylene Chloride
Concen: 5.489 ug/l
RT: 5.090 min Scan# 1156
Delta R.T. -0.003 min
Lab File: VN068129.D
Acq: 16 Aug 2021 20:41

Instrument :
MSVOA_N
ClientSampleId :
PB138399ZHE#18

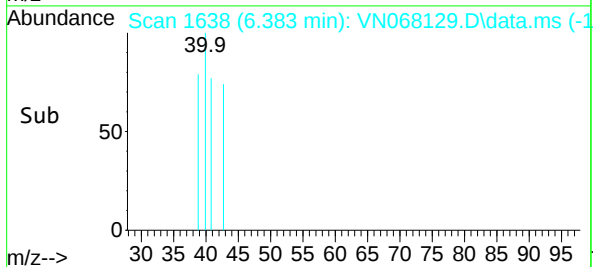
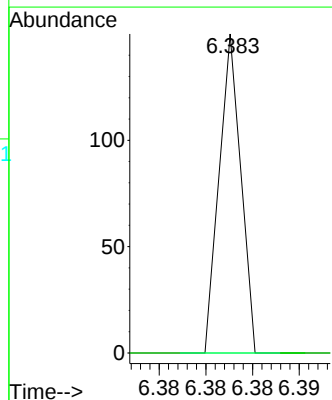
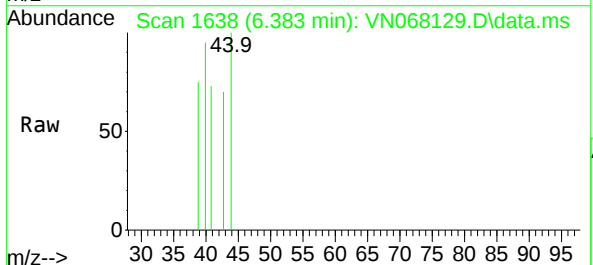


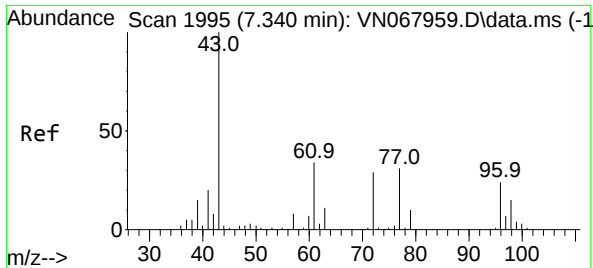
Tgt Ion:	84	Resp:	15703
Ion	Ratio	Lower	Upper
84	100		
49	136.1	110.9	166.3
51	45.5	32.6	49.0
86	69.9	51.6	77.4



#23
Vinyl Acetate
Concen: 8.803 ug/l
RT: 6.383 min Scan# 1638
Delta R.T. -0.053 min
Lab File: VN068129.D
Acq: 16 Aug 2021 20:41

Tgt Ion:	43	Resp:	24
Ion	Ratio	Lower	Upper
43	100		
86	0.0	7.3	10.9#

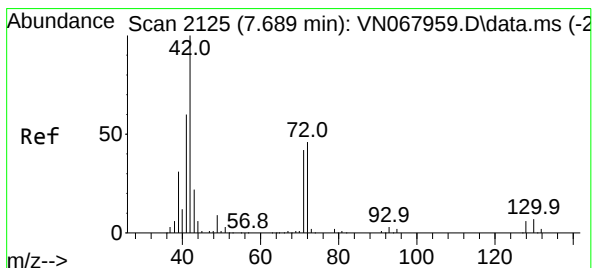
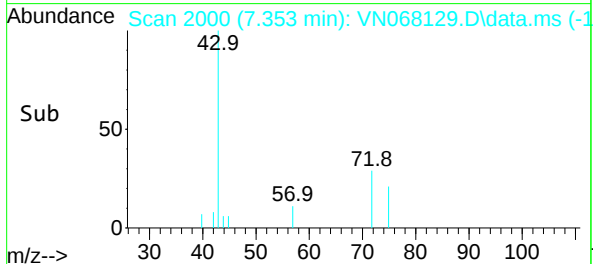
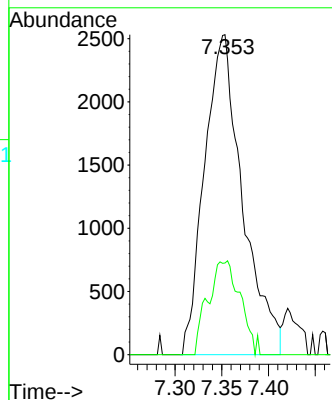
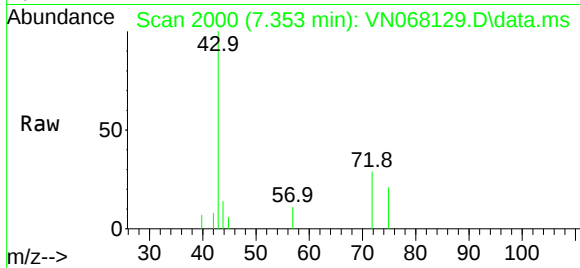




#25
2-Butanone
Concen: 4.176 ug/l
RT: 7.353 min Scan# 2000
Delta R.T. 0.013 min
Lab File: VN068129.D
Acq: 16 Aug 2021 20:41

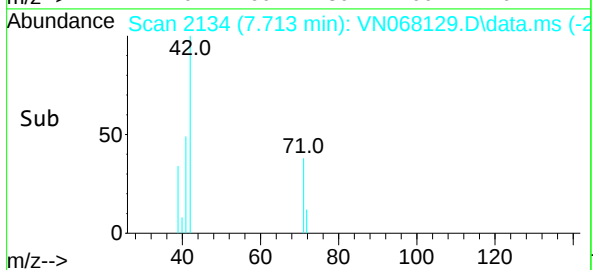
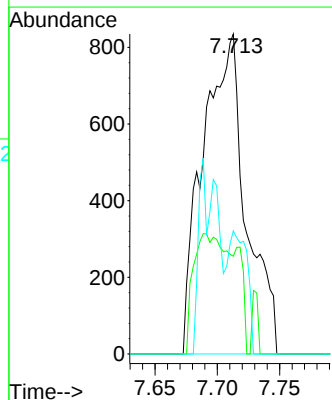
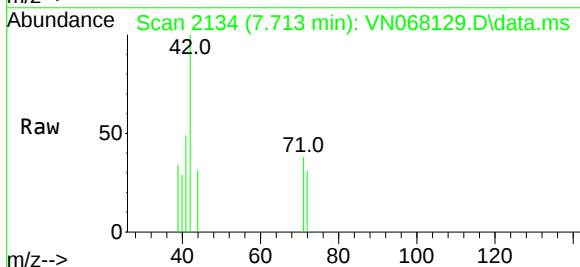
Instrument :
MSVOA_N
ClientSampleId :
PB138399ZHE#18

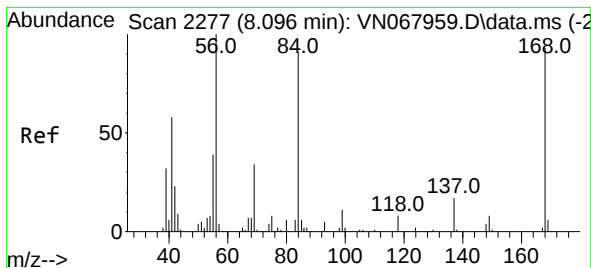
Tgt Ion: 43 Resp: 7175
Ion Ratio Lower Upper
43 100
72 28.6 19.7 29.5



#29
Tetrahydrofuran
Concen: 1.826 ug/l
RT: 7.713 min Scan# 2134
Delta R.T. 0.024 min
Lab File: VN068129.D
Acq: 16 Aug 2021 20:41

Tgt Ion: 42 Resp: 2009
Ion Ratio Lower Upper
42 100
72 2.6 32.8 49.2#
71 15.5 31.2 46.8#

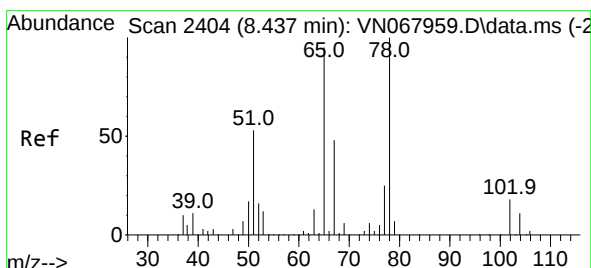
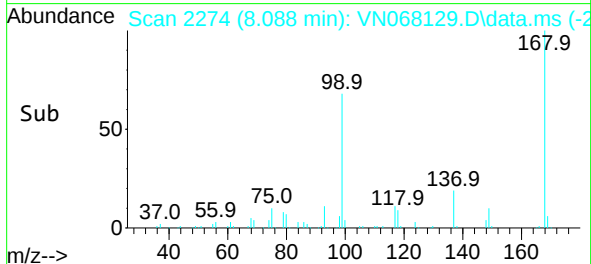
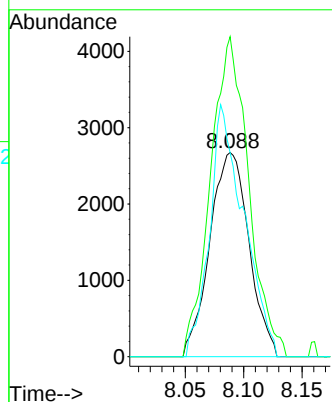
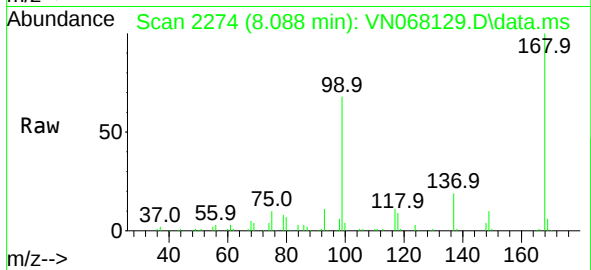




#31
Cyclohexane
Concen: 1.302 ug/l
RT: 8.088 min Scan# 2274
Delta R.T. -0.008 min
Lab File: VN068129.D
Acq: 16 Aug 2021 20:41

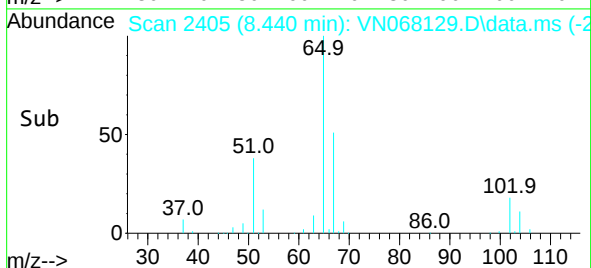
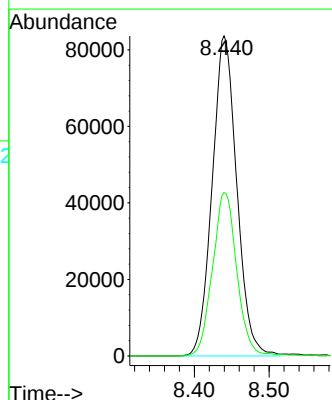
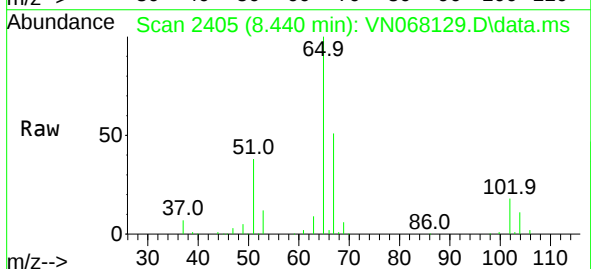
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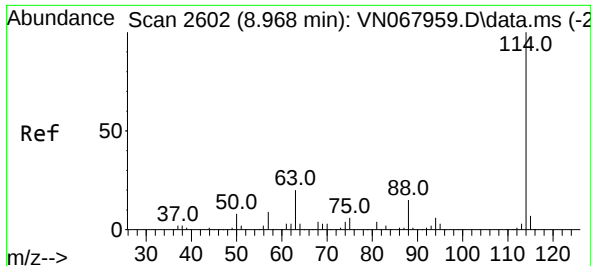
Tgt Ion: 56 Resp: 6232
Ion Ratio Lower Upper
56 100
69 156.7 27.3 40.9#
84 99.9 64.9 97.3#



#33
1,2-Dichloroethane-d4
Concen: 58.853 ug/l
RT: 8.440 min Scan# 2405
Delta R.T. 0.003 min
Lab File: VN068129.D
Acq: 16 Aug 2021 20:41

Tgt Ion: 65 Resp: 191016
Ion Ratio Lower Upper
65 100
67 50.3 0.0 98.6

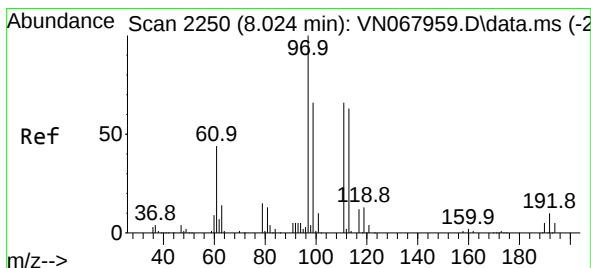
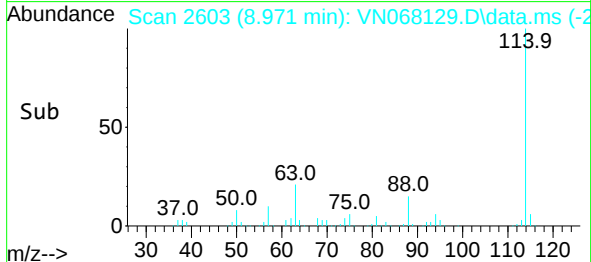
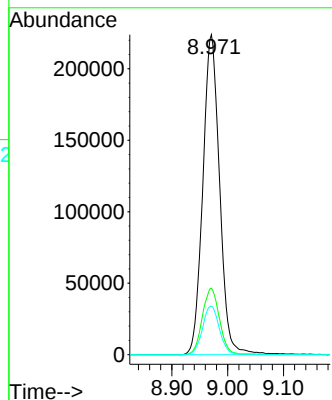
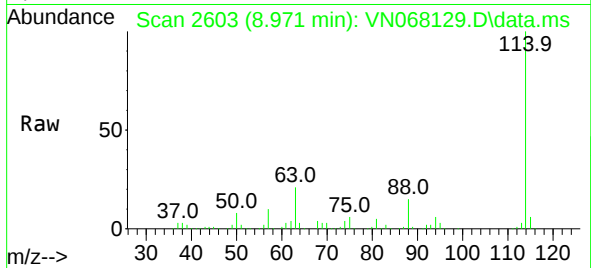




#34
1,4-Difluorobenzene
Concen: 50.000 ug/l
RT: 8.971 min Scan# 2603
Delta R.T. 0.003 min
Lab File: VN068129.D
Acq: 16 Aug 2021 20:41

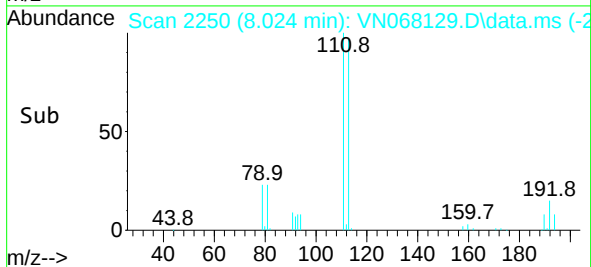
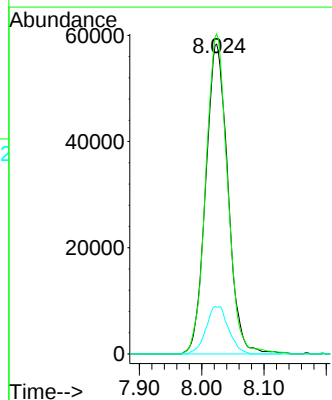
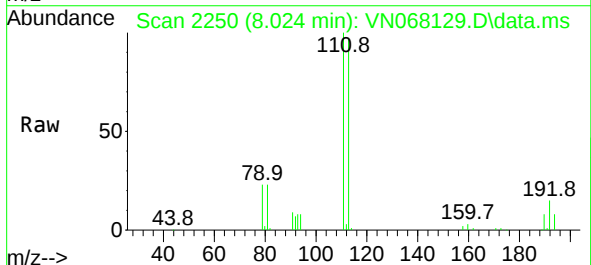
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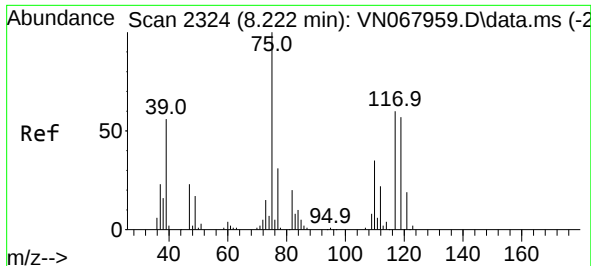
Tgt Ion:114 Resp: 467708
Ion Ratio Lower Upper
114 100
63 20.8 0.0 49.0
88 15.2 0.0 36.6



#35
Dibromofluoromethane
Concen: 53.138 ug/l
RT: 8.024 min Scan# 2250
Delta R.T. -0.000 min
Lab File: VN068129.D
Acq: 16 Aug 2021 20:41

Tgt Ion:113 Resp: 144839
Ion Ratio Lower Upper
113 100
111 101.3 83.8 125.8
192 15.5 13.4 20.0





#36

1,1-Dichloropropene

Concen: 4.865 ug/l

RT: 8.088 min Scan# 2274

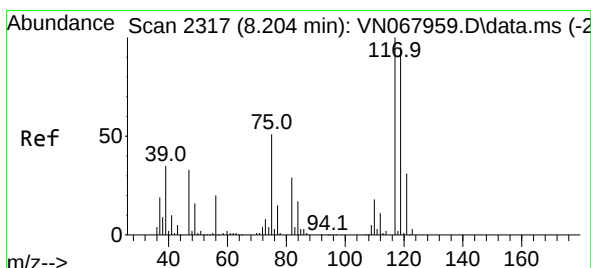
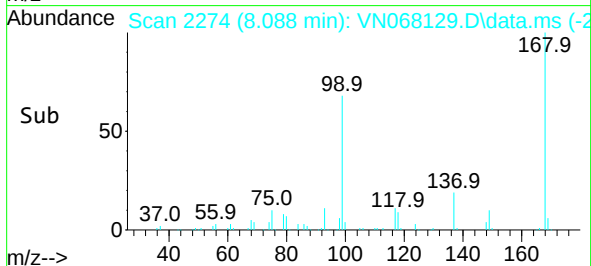
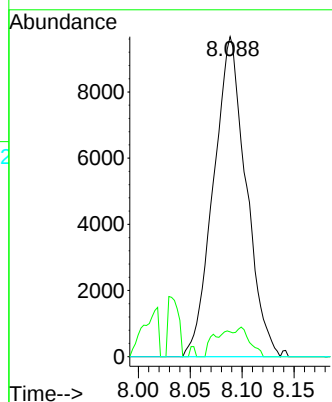
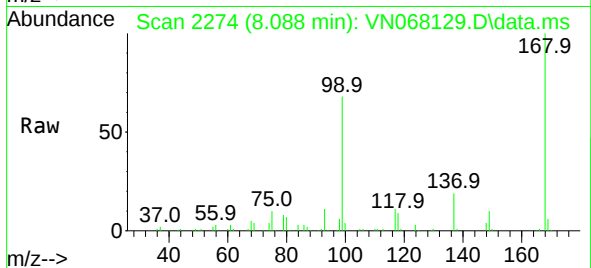
Delta R.T. -0.134 min

Lab File: VN068129.D

Acq: 16 Aug 2021 20:41

Tgt Ion:	75	Resp:	21046
Ion Ratio	Lower	Upper	
75	100		
110	0.6	15.7	47.0#
77	0.0	24.6	37.0#

Instrument :
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#38

Carbon Tetrachloride

Concen: 5.979 ug/l

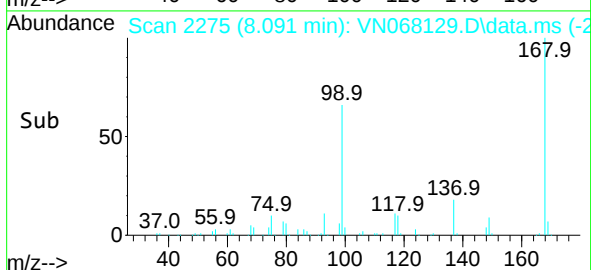
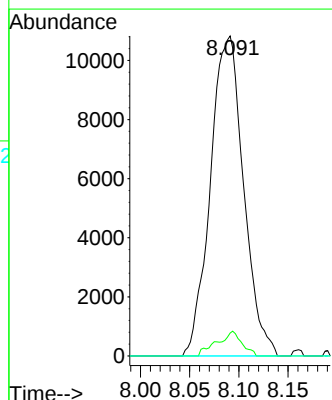
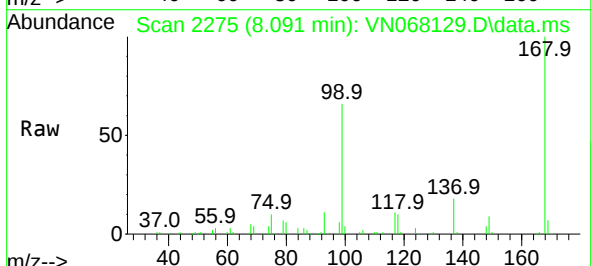
RT: 8.091 min Scan# 2275

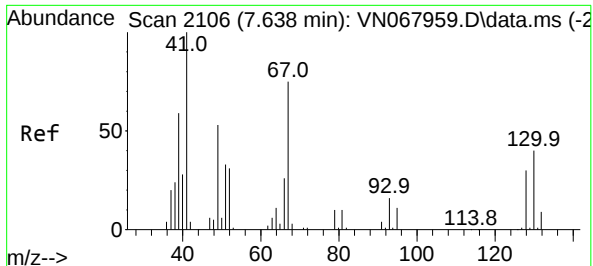
Delta R.T. -0.113 min

Lab File: VN068129.D

Acq: 16 Aug 2021 20:41

Tgt Ion:	117	Resp:	25438
Ion Ratio	Lower	Upper	
117	100		
119	7.1	75.4	113.2#
121	0.0	23.5	35.3#

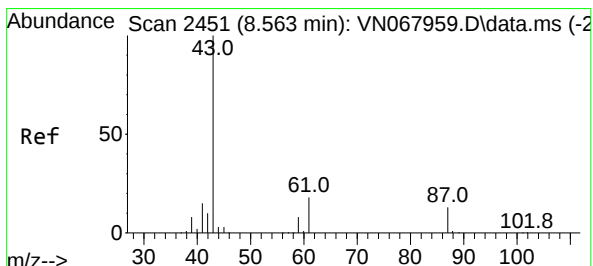
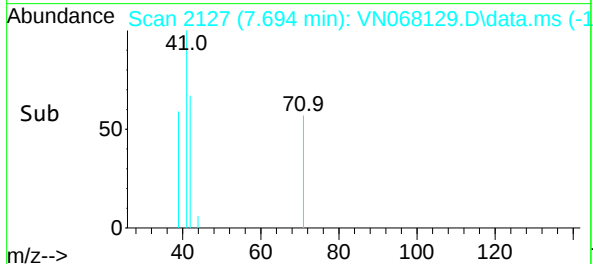
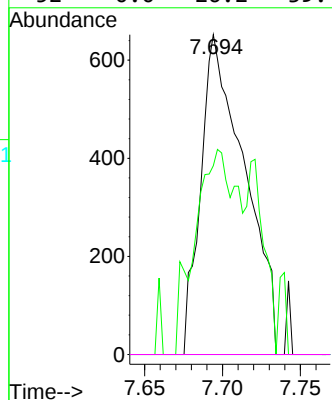
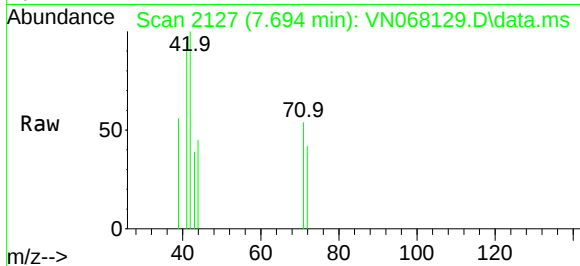




#41
Methacrylonitrile
Concen: 0.657 ug/l
RT: 7.694 min Scan# 2127
Delta R.T. 0.056 min
Lab File: VN068129.D
Acq: 16 Aug 2021 20:41

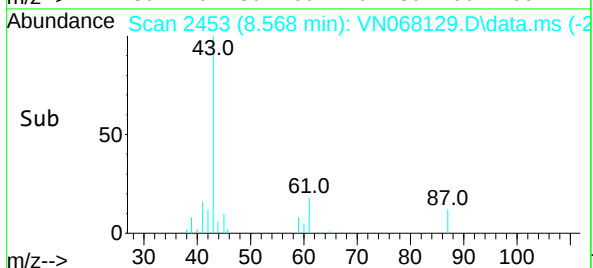
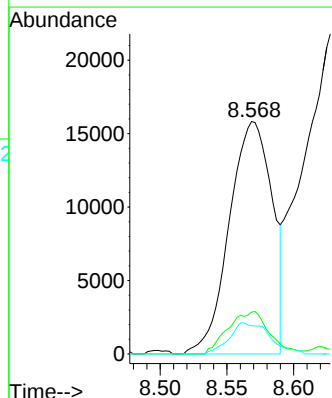
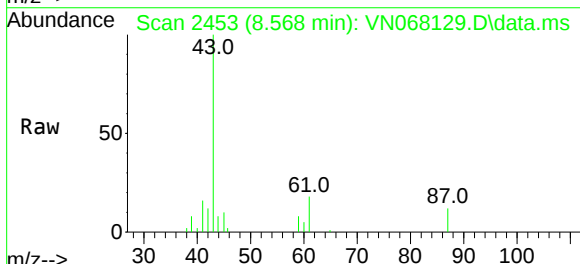
Instrument :
MSVOA_N
ClientSampleId :
PB138399ZHE#18

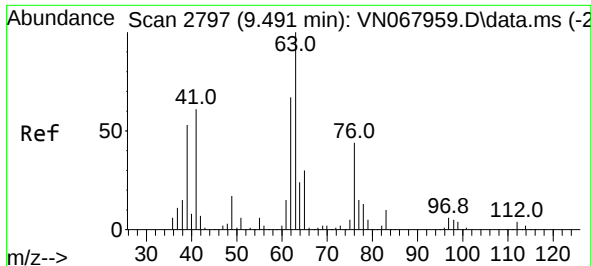
Tgt Ion:	41	Resp:	1274
Ion	Ratio	Lower	Upper
41	100		
39	61.8	47.6	71.4
67	0.0	57.7	86.5#
52	0.0	26.2	39.4#



#43
Isopropyl Acetate
Concen: 5.207 ug/l
RT: 8.568 min Scan# 2453
Delta R.T. 0.005 min
Lab File: VN068129.D
Acq: 16 Aug 2021 20:41

Tgt Ion:	43	Resp:	35331
Ion	Ratio	Lower	Upper
43	100		
61	17.7	19.0	28.4#
87	12.6	9.5	14.3



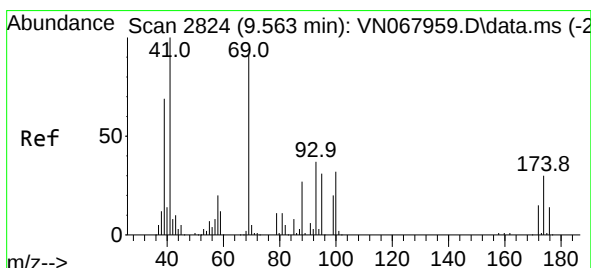
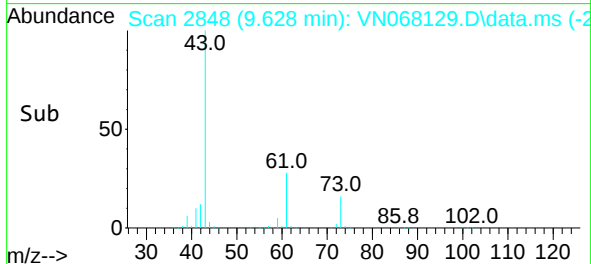
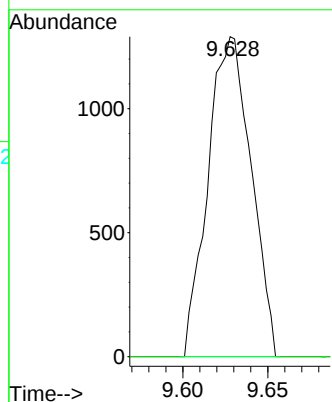
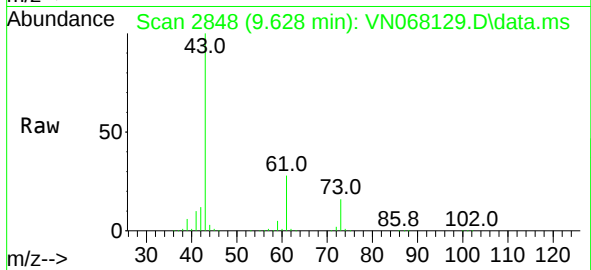


#45

1,2-Dichloropropane
Concen: 0.714 ug/l
RT: 9.628 min Scan# 2848
Delta R.T. 0.137 min
Lab File: VN068129.D
Acq: 16 Aug 2021 20:41

Instrument :
MSVOA_N
ClientSampleId :
PB138399ZHE#18

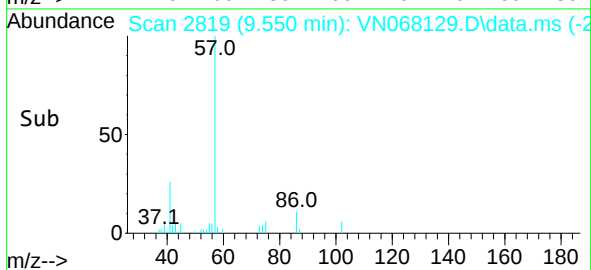
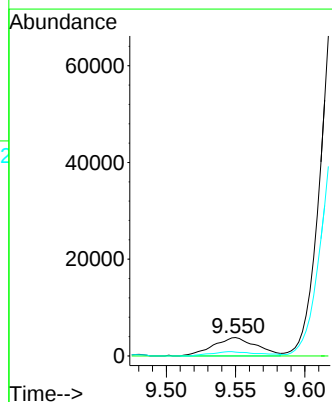
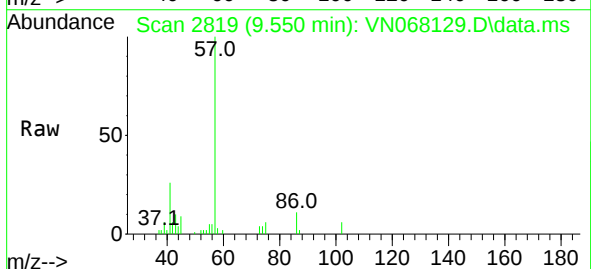
Tgt Ion: 63 Resp: 2280
Ion Ratio Lower Upper
63 100
65 0.0 24.3 36.5#

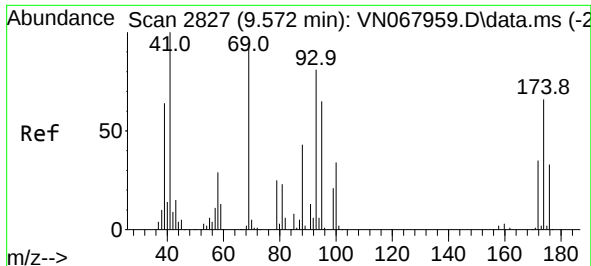


#48

Methyl methacrylate
Concen: 4.646 ug/l
RT: 9.550 min Scan# 2819
Delta R.T. -0.013 min
Lab File: VN068129.D
Acq: 16 Aug 2021 20:41

Tgt Ion: 41 Resp: 8304
Ion Ratio Lower Upper
41 100
69 0.0 64.6 96.8#
39 0.0 53.3 79.9#





#49

1,4-Dioxane

Concen: 2.409 ug/l

RT: 9.625 min Scan# 2847

Delta R.T. 0.053 min

Lab File: VN068129.D

Acq: 16 Aug 2021 20:41

Tgt Ion: 88 Resp: 130

Ion Ratio Lower Upper

88 100

43 1465441.5 28.8 43.2#

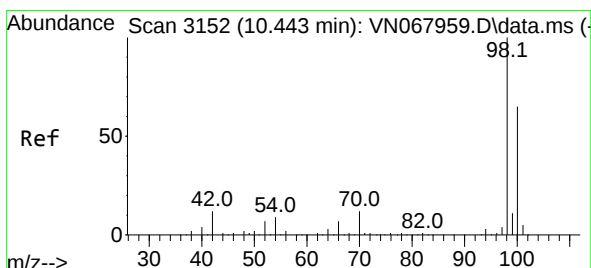
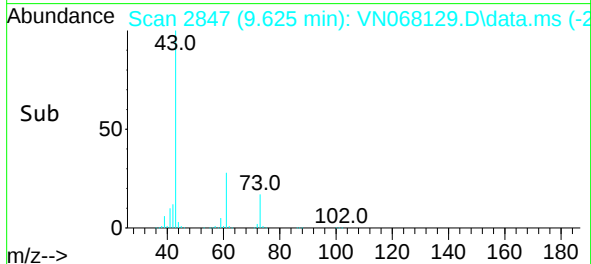
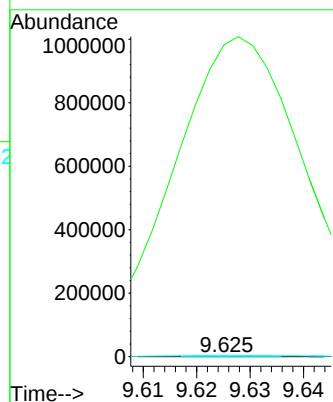
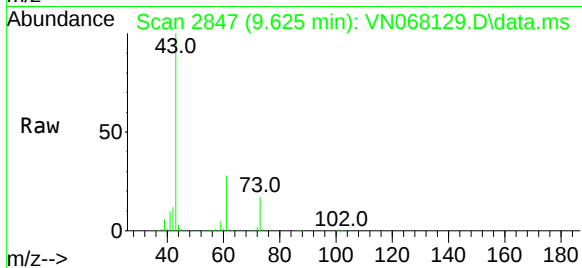
58 6560.0 60.4 90.6#

Instrument :

MSVOA_N

ClientSampleId :

PB138399ZHE#18



#50

Toluene-d8

Concen: 50.043 ug/l

RT: 10.443 min Scan# 3152

Delta R.T. 0.000 min

Lab File: VN068129.D

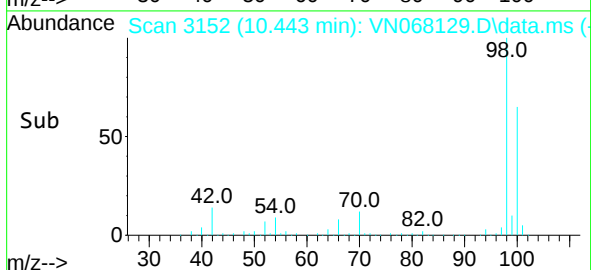
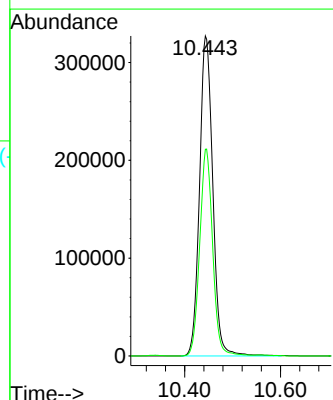
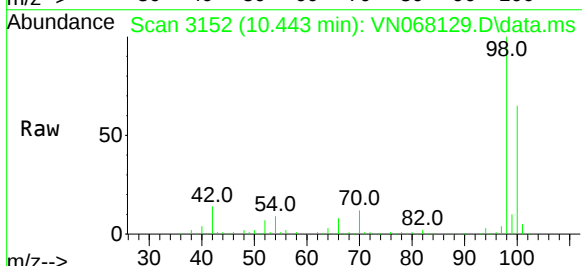
Acq: 16 Aug 2021 20:41

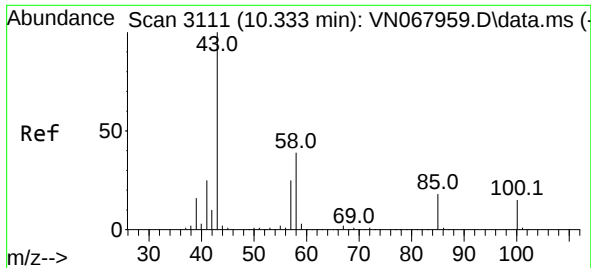
Tgt Ion: 98 Resp: 629558

Ion Ratio Lower Upper

98 100

100 63.3 51.7 77.5

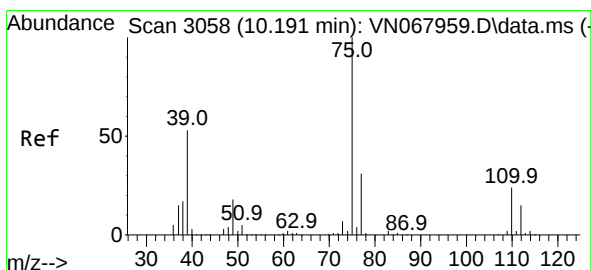
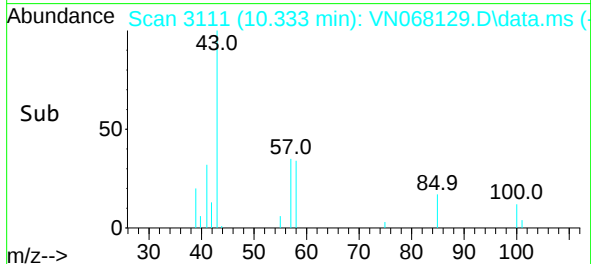
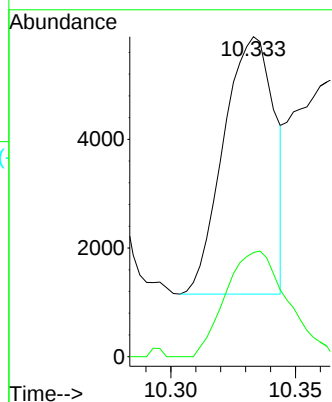
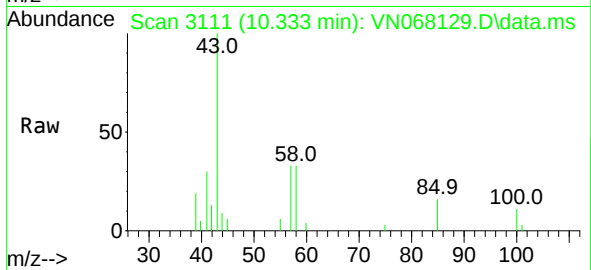




#51
4-Methyl-2-Pentanone
Concen: 13.857 ug/l
RT: 10.333 min Scan# 3111
Delta R.T. 0.000 min
Lab File: VN068129.D
Acq: 16 Aug 2021 20:41

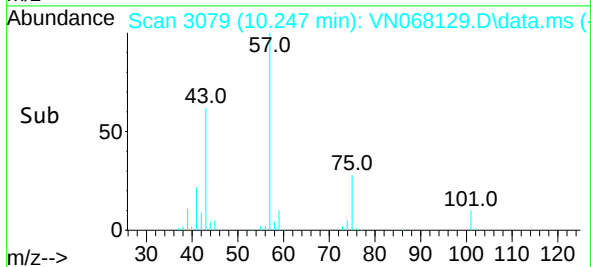
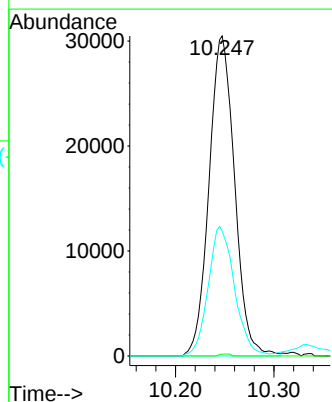
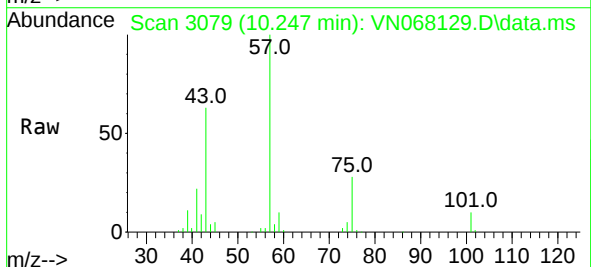
Instrument :
MSVOA_N
ClientSampleId :
PB138399ZHE#18

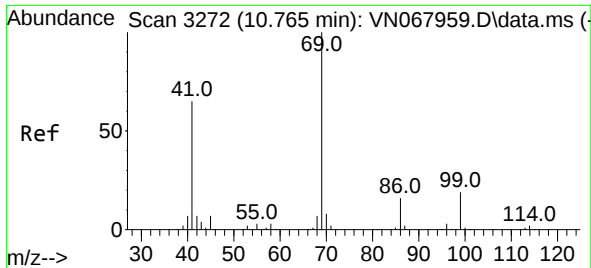
Tgt Ion: 43 Resp: 6718
Ion Ratio Lower Upper
43 100
58 49.5 28.6 43.0#



#54
cis-1,3-Dichloropropene
Concen: 11.398 ug/l
RT: 10.247 min Scan# 3079
Delta R.T. 0.056 min
Lab File: VN068129.D
Acq: 16 Aug 2021 20:41

Tgt Ion: 75 Resp: 54927
Ion Ratio Lower Upper
75 100
77 0.5 24.6 37.0#
39 39.0 50.7 76.1#

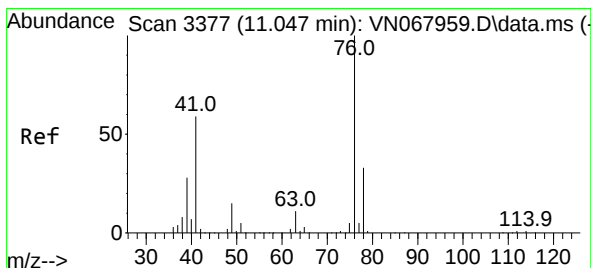
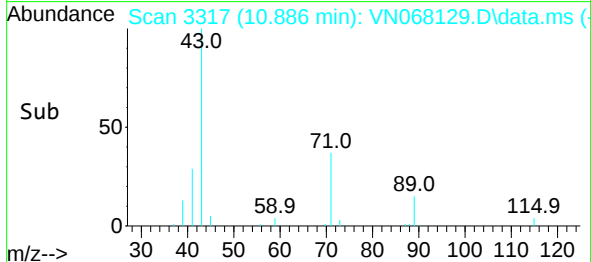
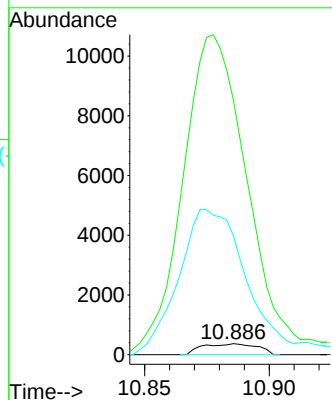
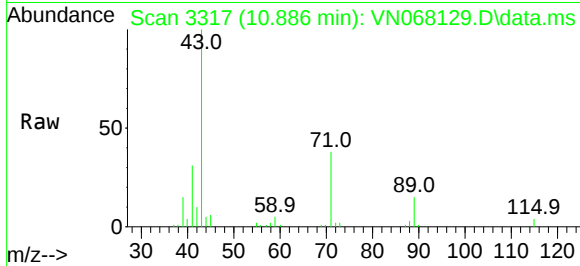




#56
Ethyl methacrylate
Concen: 3.189 ug/l
RT: 10.886 min Scan# 3317
Delta R.T. 0.121 min
Lab File: VN068129.D
Acq: 16 Aug 2021 20:41

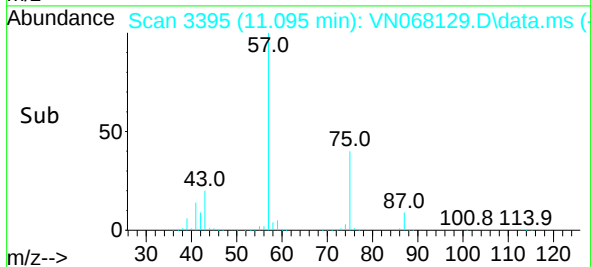
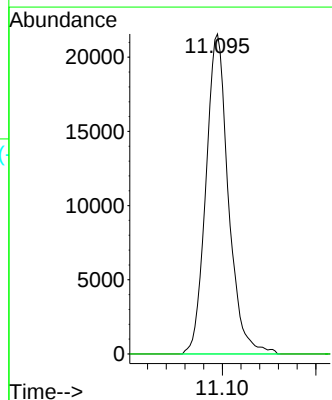
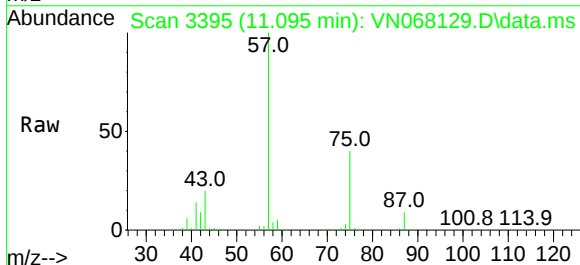
Instrument :
MSVOA_N
ClientSampleId :
PB138399ZHE#18

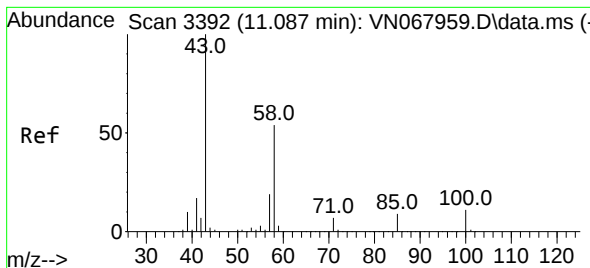
Tgt Ion: 69 Resp: 560
Ion Ratio Lower Upper
69 100
41 3478.6 58.6 88.0#
39 1683.0 38.3 57.5#



#57
1,3-Dichloropropane
Concen: 6.840 ug/l
RT: 11.095 min Scan# 3395
Delta R.T. 0.048 min
Lab File: VN068129.D
Acq: 16 Aug 2021 20:41

Tgt Ion: 76 Resp: 35988
Ion Ratio Lower Upper
76 100
78 0.0 25.7 38.5#

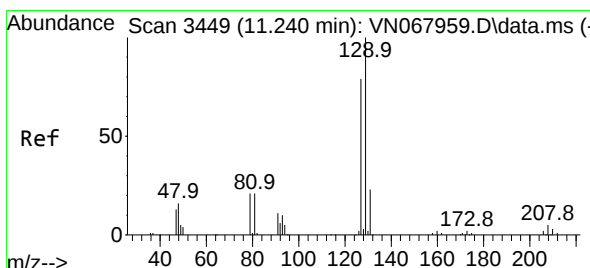
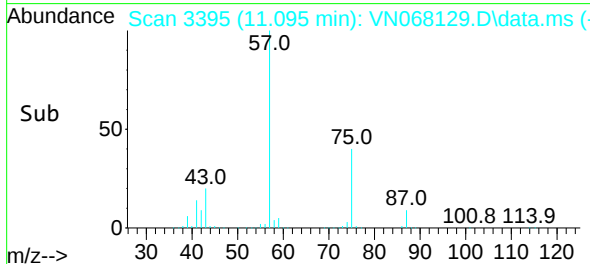
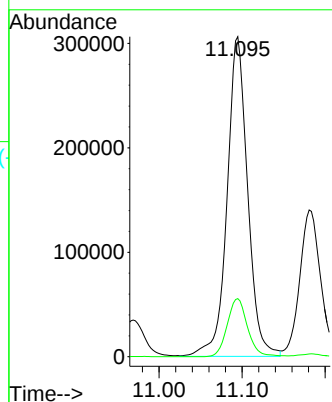
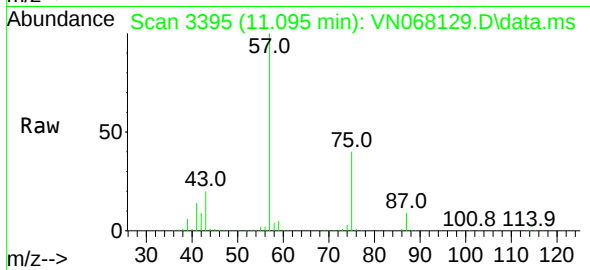




#59
2-Hexanone
Concen: 155.056 ug/l
RT: 11.095 min Scan# 3395
Delta R.T. 0.008 min
Lab File: VN068129.D
Acq: 16 Aug 2021 20:41

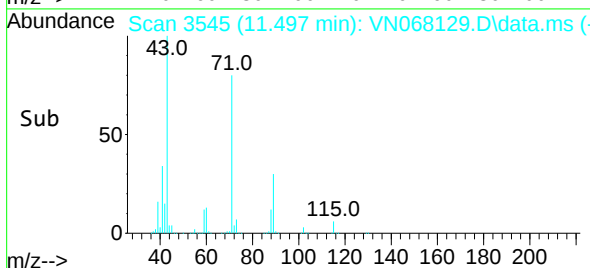
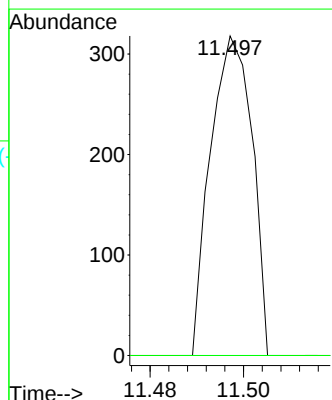
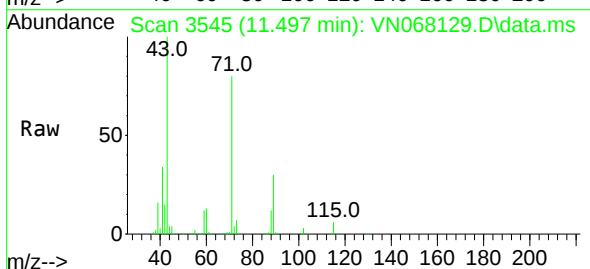
Instrument :
MSVOA_N
ClientSampleId :
PB138399ZHE#18

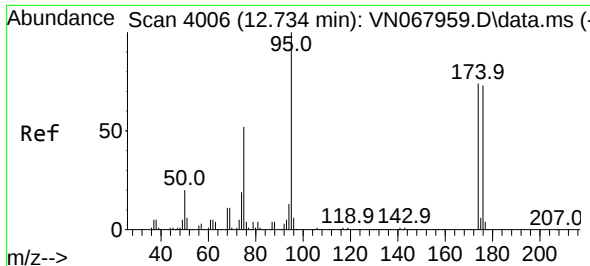
Tgt Ion: 43 Resp: 527622
Ion Ratio Lower Upper
43 100
58 18.0 24.7 74.1#



#60
Dibromochloromethane
Concen: 3.348 ug/l
RT: 11.497 min Scan# 3545
Delta R.T. 0.257 min
Lab File: VN068129.D
Acq: 16 Aug 2021 20:41

Tgt Ion: 129 Resp: 197
Ion Ratio Lower Upper
129 100
127 0.0 38.6 115.8#

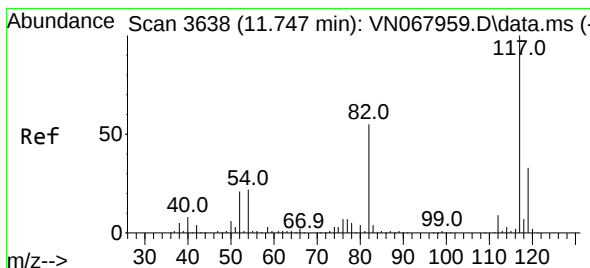
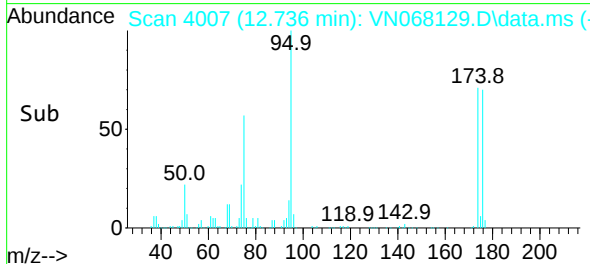
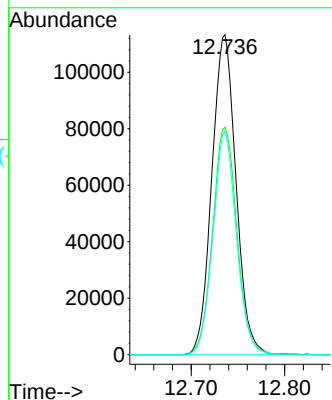
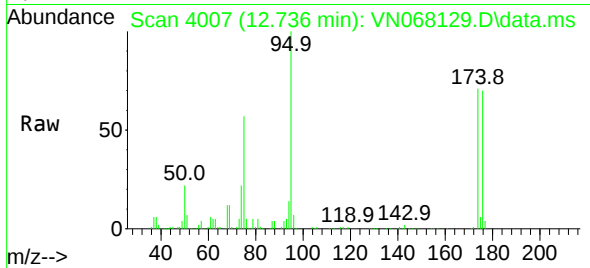




#62
4-Bromofluorobenzene
Concen: 44.720 ug/l
RT: 12.736 min Scan# 4007
Delta R.T. 0.002 min
Lab File: VN068129.D
Acq: 16 Aug 2021 20:41

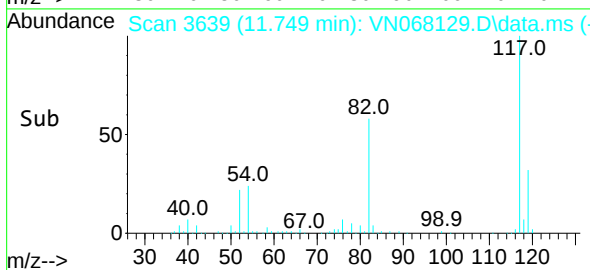
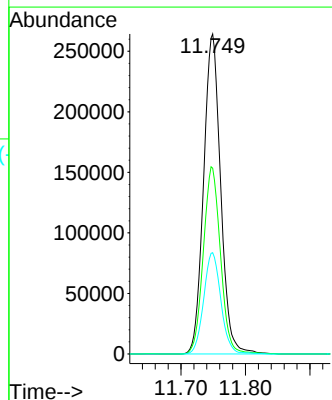
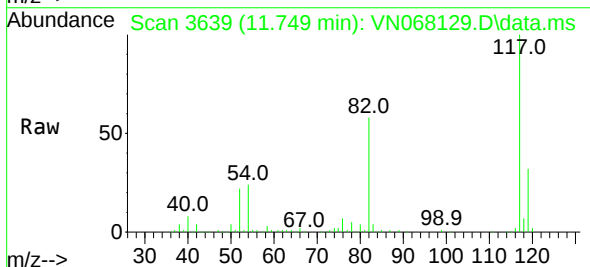
Instrument :
MSVOA_N
ClientSampleId :
PB138399ZHE#18

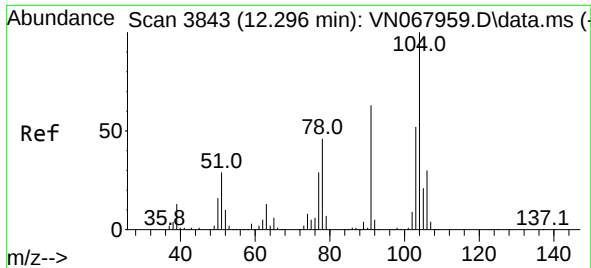
Tgt Ion: 95 Resp: 203224
Ion Ratio Lower Upper
95 100
174 71.6 0.0 122.0
176 68.0 0.0 117.6



#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 11.749 min Scan# 3639
Delta R.T. 0.002 min
Lab File: VN068129.D
Acq: 16 Aug 2021 20:41

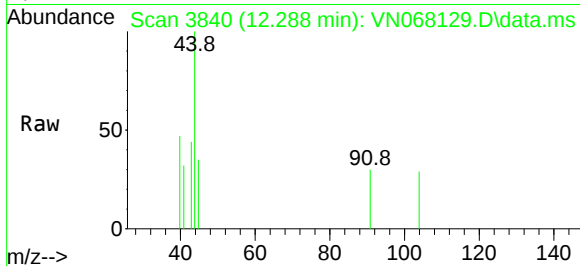
Tgt Ion: 117 Resp: 485960
Ion Ratio Lower Upper
117 100
82 58.1 53.1 79.7
119 31.7 25.5 38.3



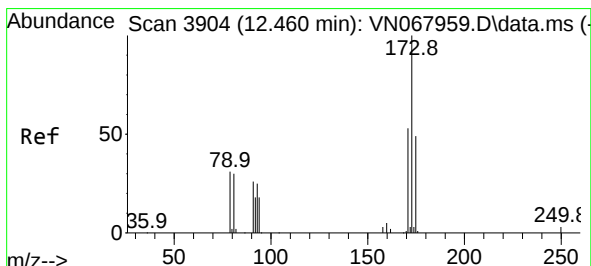
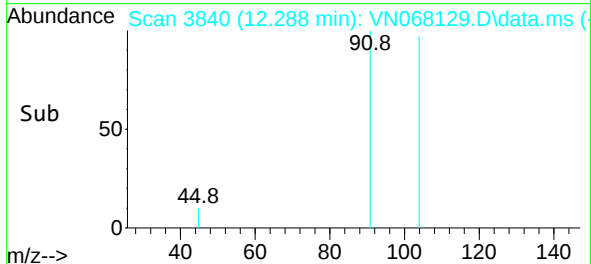
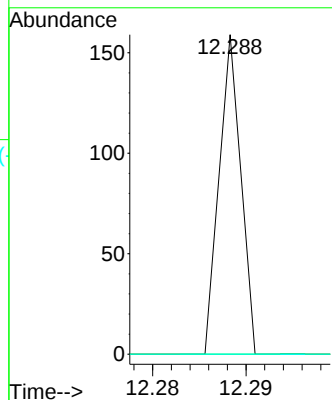


#70
Styrene
Concen: 2.634 ug/l
RT: 12.288 min Scan# 3840
Delta R.T. -0.008 min
Lab File: VN068129.D
Acq: 16 Aug 2021 20:41

Instrument :
MSVOA_N
ClientSampleId :
PB138399ZHE#18

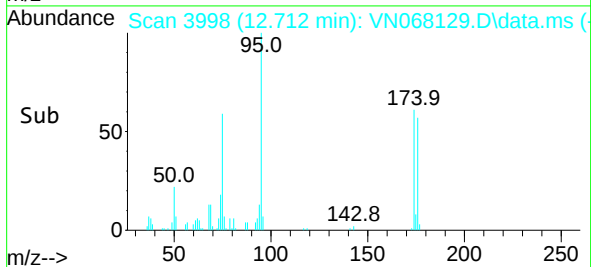
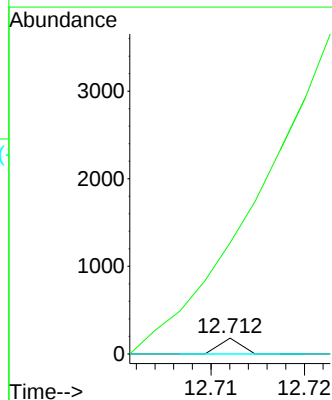
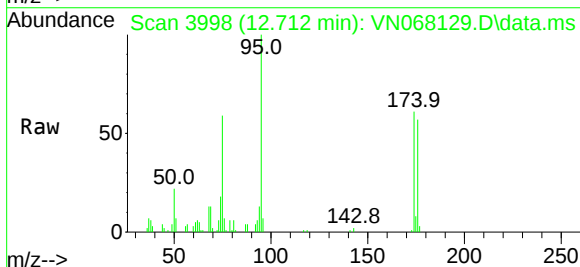


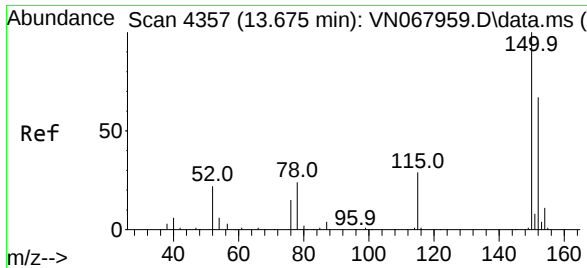
Tgt Ion:104 Resp: 26
Ion Ratio Lower Upper
104 100
78 0.0 48.2 72.2#
103 0.0 44.5 66.7#



#71
Bromoform
Concen: 4.039 ug/l
RT: 12.712 min Scan# 3998
Delta R.T. 0.252 min
Lab File: VN068129.D
Acq: 16 Aug 2021 20:41

Tgt Ion:173 Resp: 29
Ion Ratio Lower Upper
173 100
175 0.0 23.9 71.8#
254 0.0 0.0 0.0

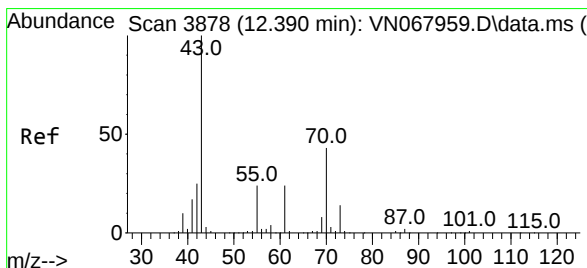
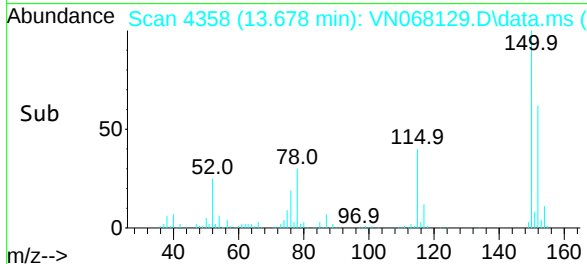
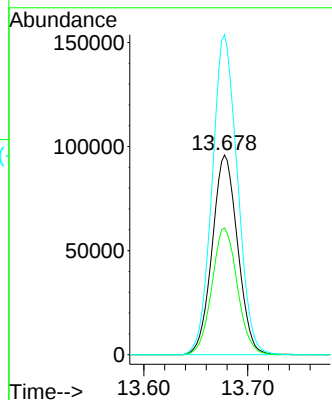
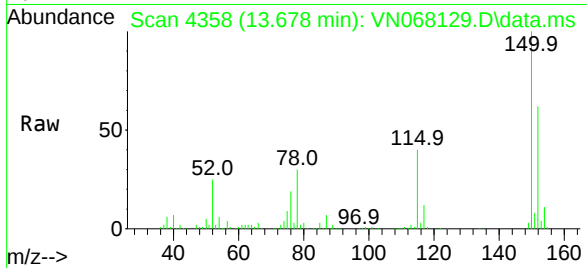




#72
1,4-Dichlorobenzene-d4
Concen: 50.000 ug/l
RT: 13.678 min Scan# 4358
Delta R.T. 0.003 min
Lab File: VN068129.D
Acq: 16 Aug 2021 20:41

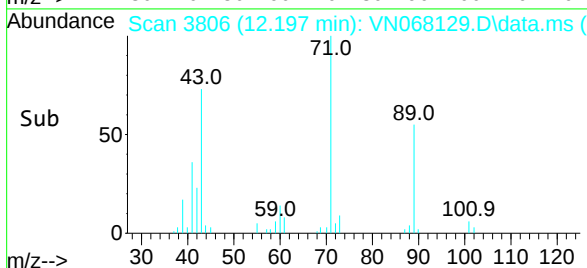
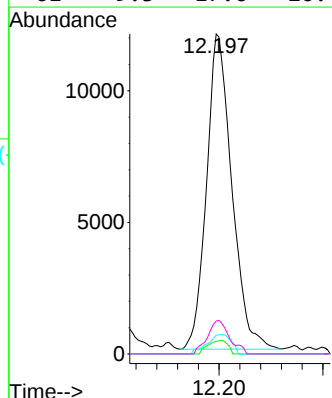
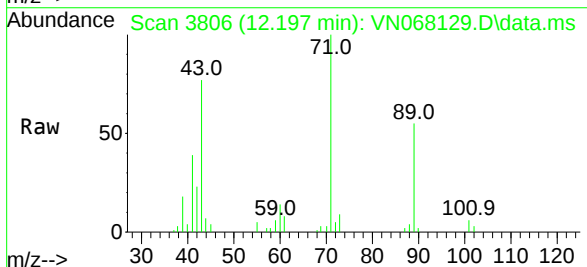
Instrument :
MSVOA_N
ClientSampleId :
PB138399ZHE#18

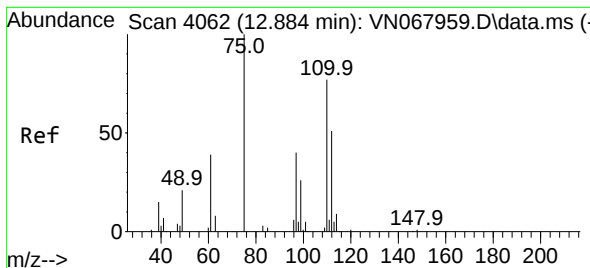
Tgt Ion:152 Resp: 163347
Ion Ratio Lower Upper
152 100
115 63.5 36.1 108.5
150 159.5 0.0 351.8



#74
N-ethyl acetate
Concen: 4.378 ug/l
RT: 12.197 min Scan# 3806
Delta R.T. -0.193 min
Lab File: VN068129.D
Acq: 16 Aug 2021 20:41

Tgt Ion: 43 Resp: 20280
Ion Ratio Lower Upper
43 100
70 3.4 29.4 44.2#
55 5.9 17.0 25.4#
61 9.3 17.6 26.4#





#76

1,2,3-Trichloropropane

Concen: 35.320 ug/l

RT: 12.733 min Scan# 4006

Delta R.T. -0.151 min

Lab File: VN068129.D

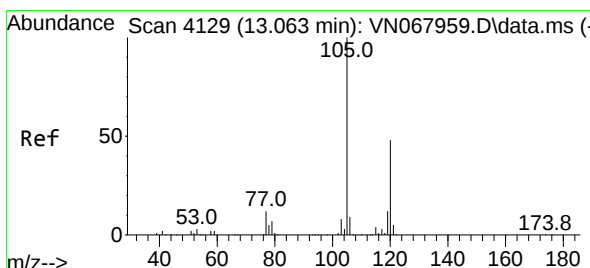
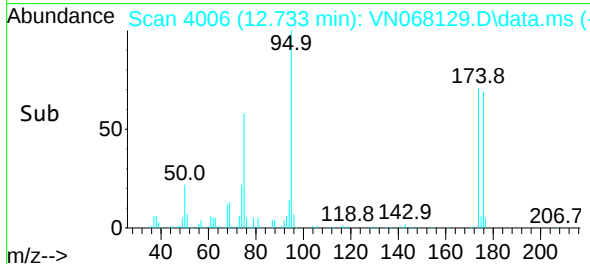
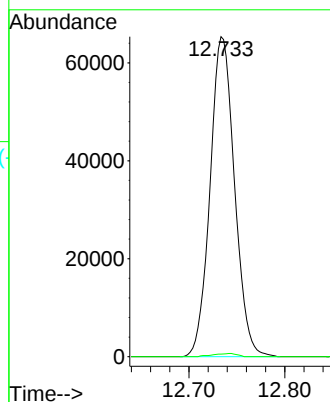
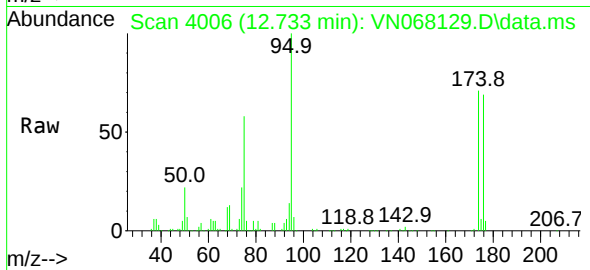
Acq: 16 Aug 2021 20:41

Tgt Ion: 75 Resp: 115866

Ion Ratio Lower Upper

75 100

77 1.0 0.0 0.0#



#80

1,3,5-Trimethylbenzene

Concen: 0.551 ug/l

RT: 13.063 min Scan# 4129

Delta R.T. 0.000 min

Lab File: VN068129.D

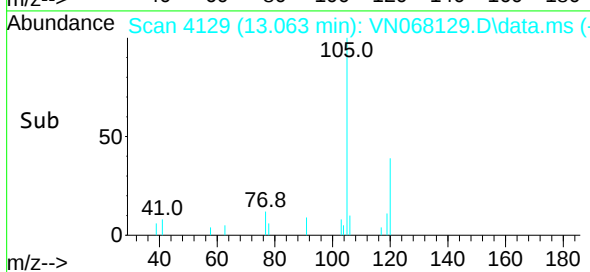
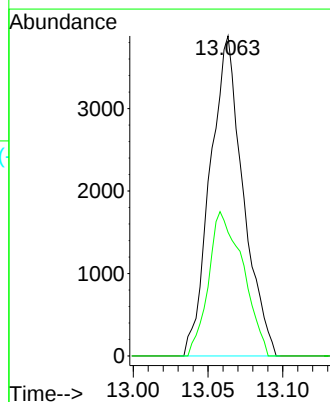
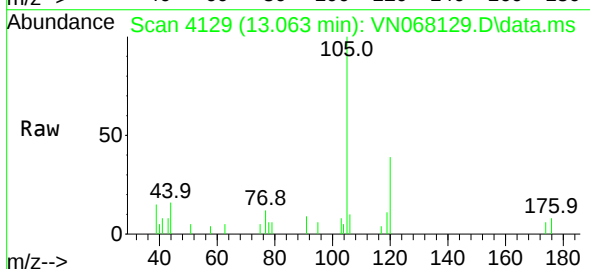
Acq: 16 Aug 2021 20:41

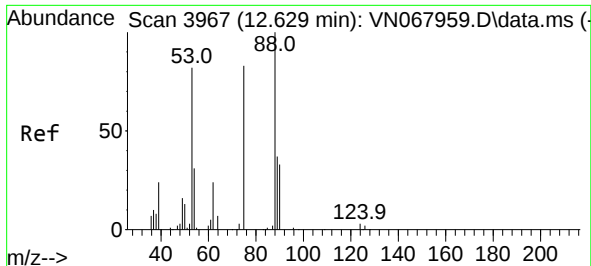
Tgt Ion: 105 Resp: 5950

Ion Ratio Lower Upper

105 100

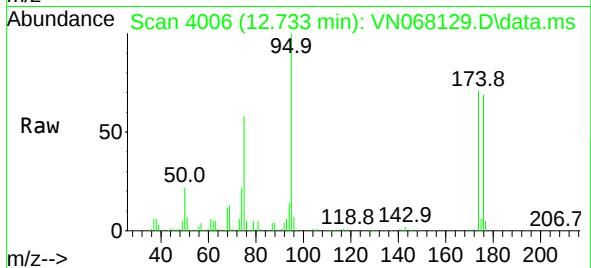
120 47.1 22.2 66.6



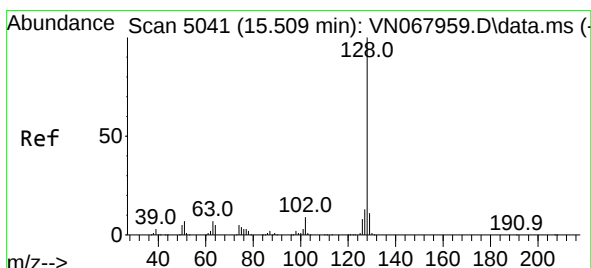
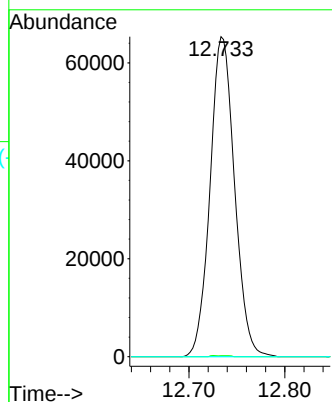
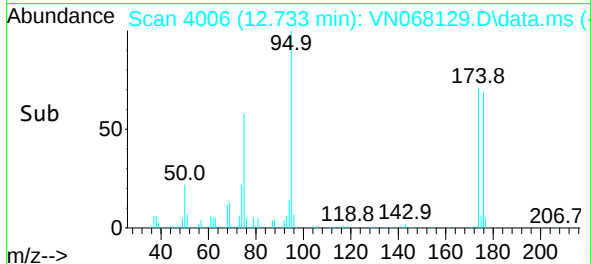


#81
trans-1,4-Dichloro-2-butene
Concen: 94.538 ug/l
RT: 12.733 min Scan# 4006
Delta R.T. 0.104 min
Lab File: VN068129.D
Acq: 16 Aug 2021 20:41

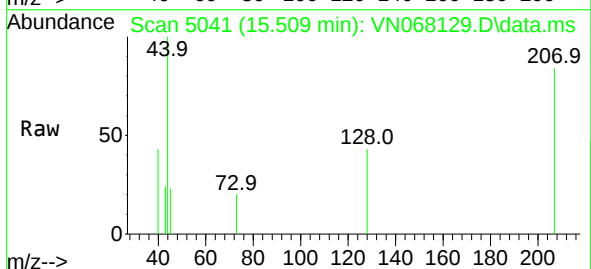
Instrument :
MSVOA_N
ClientSampleId :
PB138399ZHE#18



Tgt Ion: 75 Resp: 115866
Ion Ratio Lower Upper
75 100
53 0.1 87.6 131.4#
89 0.0 37.8 56.8#



#95
Naphthalene
Concen: 3.142 ug/l
RT: 15.509 min Scan# 5041
Delta R.T. 0.000 min
Lab File: VN068129.D
Acq: 16 Aug 2021 20:41



Tgt Ion: 128 Resp: 163
Ion Ratio Lower Upper
128 100
127 0.0 10.6 15.8#
129 0.0 8.6 12.8#

