

Data Path : Z:\voasrv\HPCHEM1\MSVOA_N\Data\VN091621\
 Data File : VN068504.D
 Acq On : 16 Sep 2021 19:10
 Operator : JC/MD
 Sample : M3759-17 10X
 Misc : 5.00mL/MSVOA_N/WATER
 ALS Vial : 8 Sample Multiplier: 1

Instrument :
 MSVOA_N
 ClientSampleId :
 31185

Quant Time: Sep 17 02:02:51 2021
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA_N\methods\82N090721W.M
 Quant Title : SW846 8260
 QLast Update : Fri Sep 10 04:04:05 2021
 Response via : Initial Calibration

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

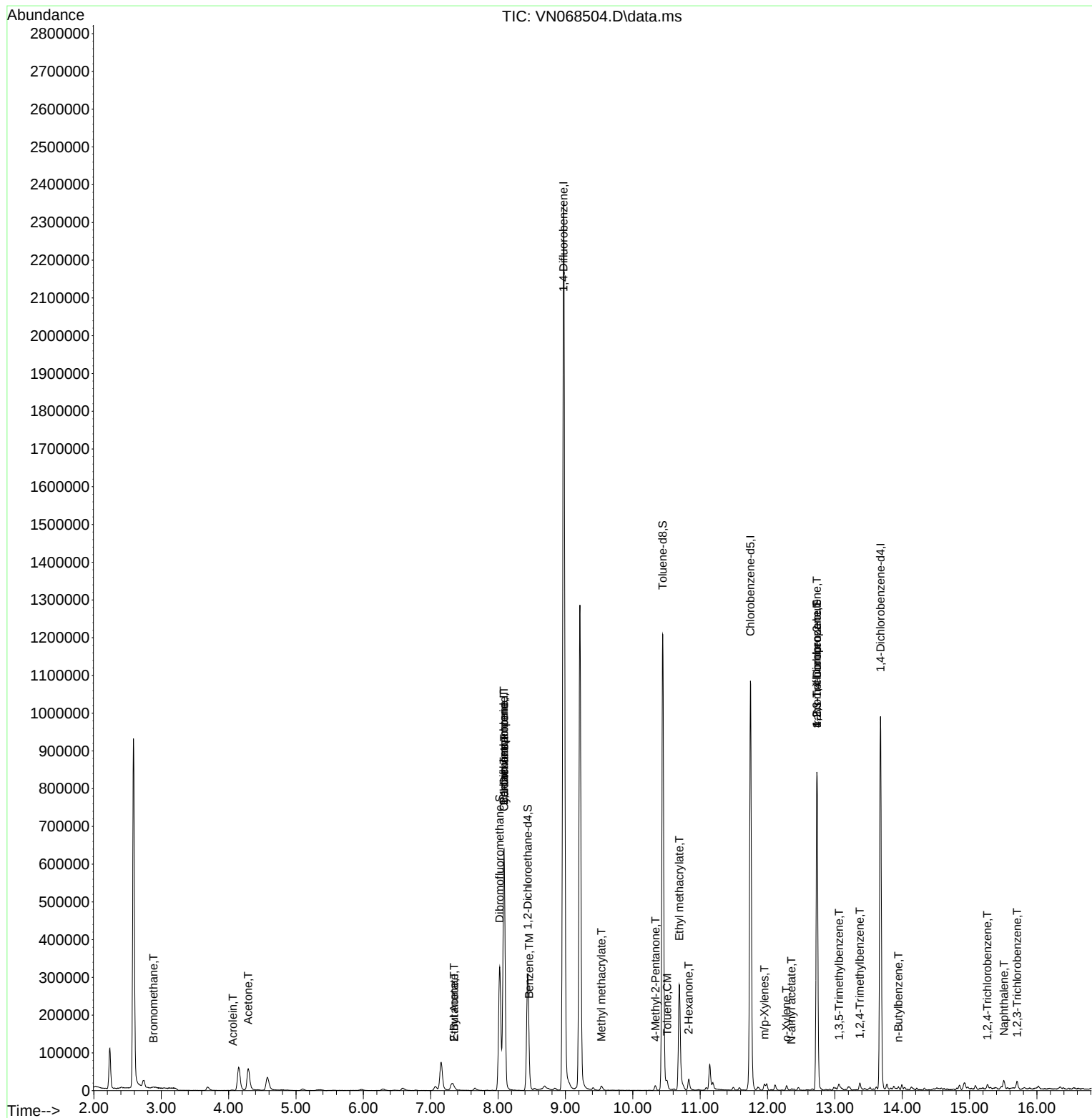
Internal Standards						
1) Pentafluorobenzene	8.088	168	544903	50.000	ug/l	0.00
34) 1,4-Difluorobenzene	8.971	114	826895	50.000	ug/l	0.00
63) Chlorobenzene-d5	11.747	117	713429	50.000	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.678	152	299738	50.000	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	8.440	65	259214	51.859	ug/l	0.00
Spiked Amount 50.000	Range 61 - 141		Recovery = 103.720%			
35) Dibromofluoromethane	8.024	113	239834	48.089	ug/l	0.00
Spiked Amount 50.000	Range 69 - 133		Recovery = 96.180%			
50) Toluene-d8	10.443	98	921303	50.856	ug/l	0.00
Spiked Amount 50.000	Range 65 - 126		Recovery = 101.720%			
62) 4-Bromofluorobenzene	12.733	95	288808	49.821	ug/l	0.00
Spiked Amount 50.000	Range 58 - 135		Recovery = 99.640%			
Target Compounds						
					Qvalue	
5) Bromomethane	2.885	94	2578	0.393	ug/l	91
11) Tert butyl alcohol	5.345	59	551	Below Cal		97
13) Acrolein	4.063	56	1517	4.087	ug/l #	22
16) Acetone	4.291	43	106662	64.485	ug/l	97
18) Methyl Acetate	4.846	43	735	Below Cal	#	68
20) Methylene Chloride	5.095	84	1928	Below Cal		95
25) 2-Butanone	7.345	43	11670	4.805	ug/l #	80
31) Cyclohexane	8.091	56	8776	1.159	ug/l #	23
36) 1,1-Dichloropropene	8.088	75	33938	4.923	ug/l #	45
37) Ethyl Acetate	7.345	43	11670	2.225	ug/l #	66
38) Carbon Tetrachloride	8.088	117	49733	6.022	ug/l #	16
40) Benzene	8.461	78	8446	0.414	ug/l	97
48) Methyl methacrylate	9.534	41	3425	0.886	ug/l #	37
51) 4-Methyl-2-Pentanone	10.336	43	9161	1.735	ug/l	92
52) Toluene	10.510	92	7675	0.567	ug/l	92
56) Ethyl methacrylate	10.693	69	54827	8.216	ug/l #	46
59) 2-Hexanone	10.829	43	1985	0.561	ug/l	77
68) m/p-Xylenes	11.956	106	5565	0.576	ug/l	99
69) o-Xylene	12.280	106	3679	0.391	ug/l	89
74) N-amyl acetate	12.355	43	2153	0.453	ug/l #	42
76) 1,2,3-Trichloropropane	12.733	75	141584	29.924	ug/l #	1
80) 1,3,5-Trimethylbenzene	13.063	105	4391	0.254	ug/l	97
81) trans-1,4-Dichloro-2-b...	12.733	75	141584	104.684	ug/l #	14
84) 1,2,4-Trimethylbenzene	13.372	105	13655	0.822	ug/l	84
89) n-Butylbenzene	13.943	91	5398	0.421	ug/l	89
93) 1,2,4-Trichlorobenzene	15.265	180	4147	0.920	ug/l	96
95) Naphthalene	15.509	128	23665	5.351	ug/l	98
96) 1,2,3-Trichlorobenzene	15.705	180	5188	1.205	ug/l	93

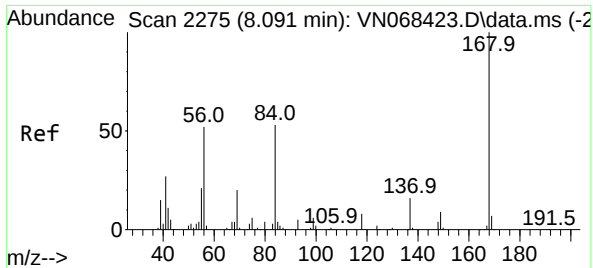
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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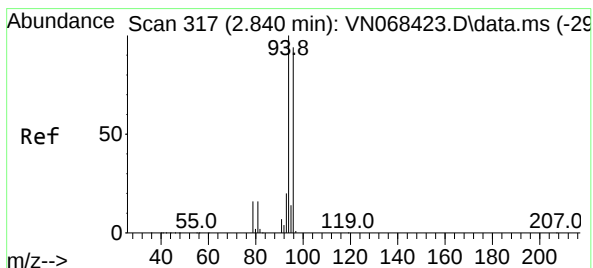
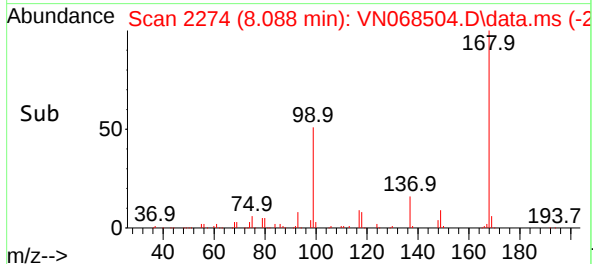
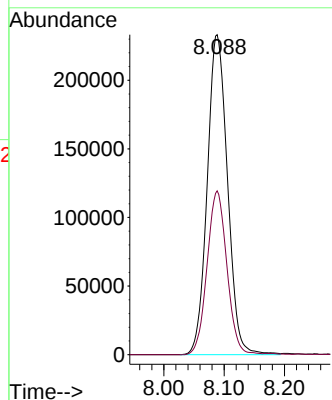
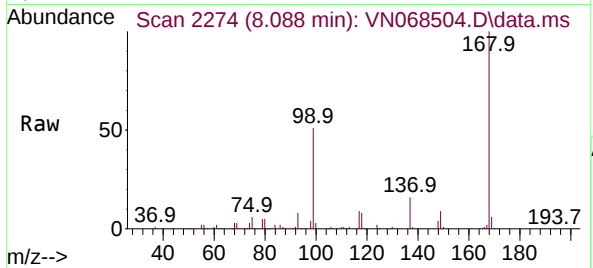




#1
Pentafluorobenzene
Concen: 50.000 ug/l
RT: 8.088 min Scan# 2274
Delta R.T. -0.003 min
Lab File: VN068504.D
Acq: 16 Sep 2021 19:10

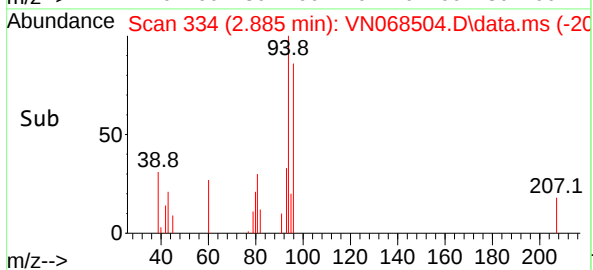
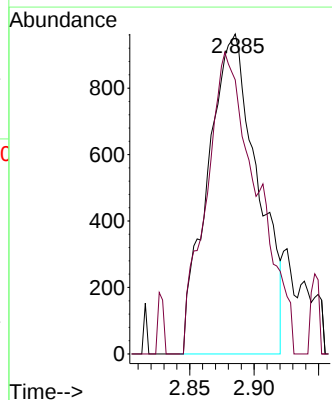
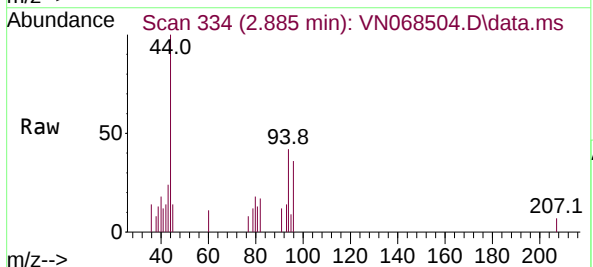
Instrument :
MSVOA_N
ClientSampled :
31185

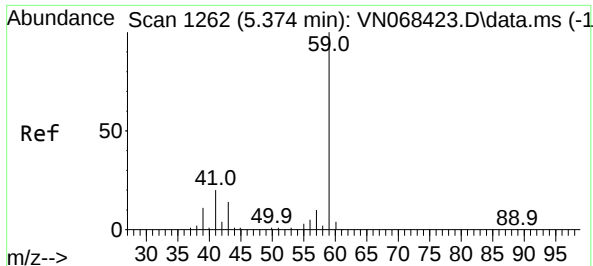
Tgt Ion:168 Resp: 544903
Ion Ratio Lower Upper
168 100
99 51.2 38.2 57.4



#5
Bromomethane
Concen: 0.393 ug/l
RT: 2.885 min Scan# 334
Delta R.T. 0.045 min
Lab File: VN068504.D
Acq: 16 Sep 2021 19:10

Tgt Ion: 94 Resp: 2578
Ion Ratio Lower Upper
94 100
96 85.7 75.4 113.0



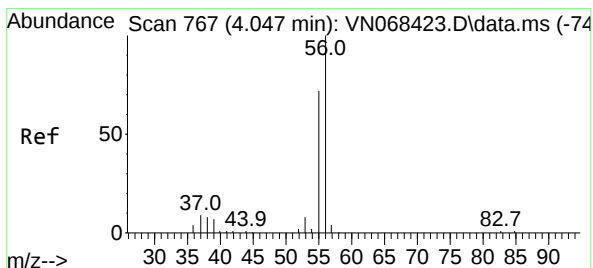
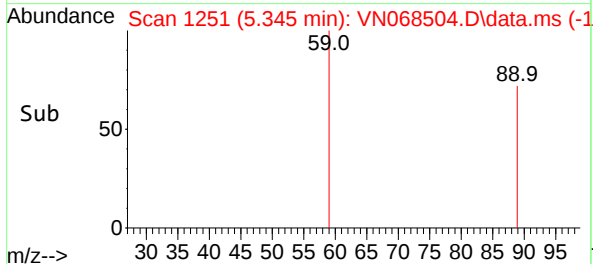
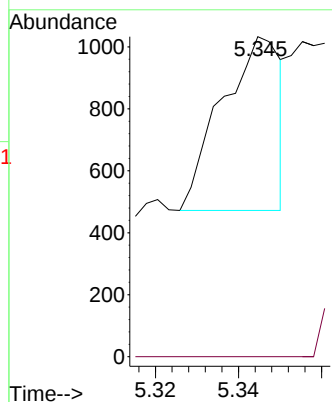
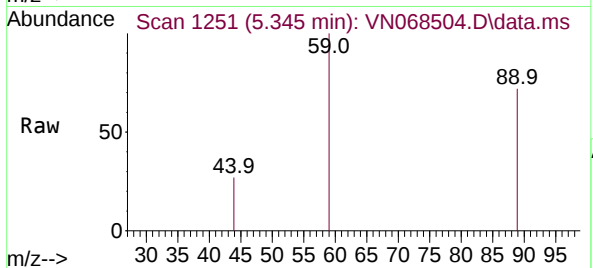


#11

Tert butyl alcohol
Concen: Below Cal
RT: 5.345 min Scan# 1251
Delta R.T. -0.029 min
Lab File: VN068504.D
Acq: 16 Sep 2021 19:10

Instrument :
MSVOA_N
ClientSampled :
31185

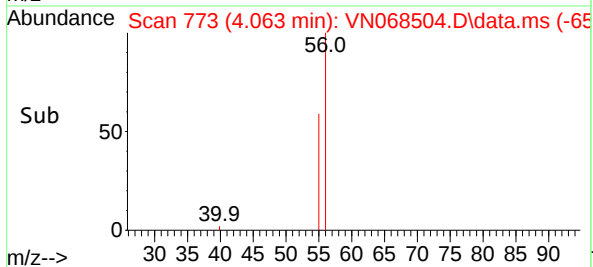
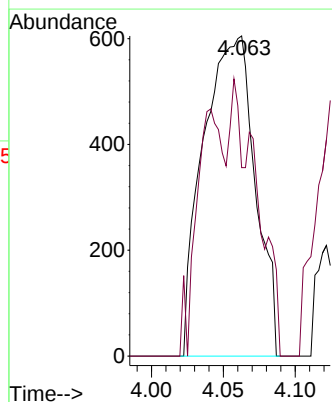
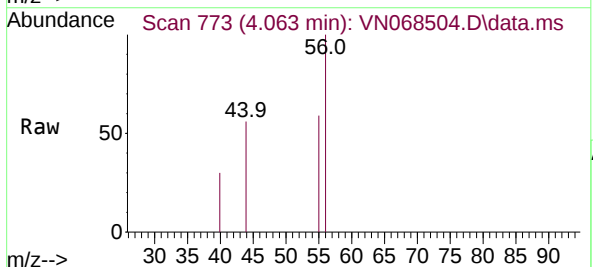
Tgt Ion: 59 Resp: 551
Ion Ratio Lower Upper
59 100
57 4.5 4.3 6.5

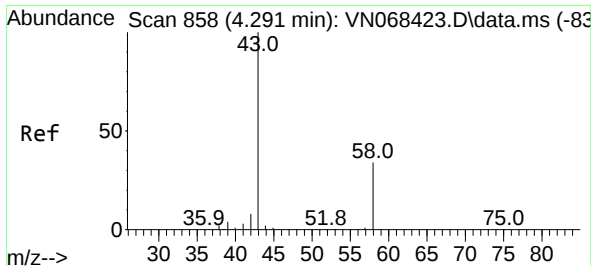


#13

Acrolein
Concen: 4.087 ug/l
RT: 4.063 min Scan# 773
Delta R.T. 0.016 min
Lab File: VN068504.D
Acq: 16 Sep 2021 19:10

Tgt Ion: 56 Resp: 1517
Ion Ratio Lower Upper
56 100
55 6.5 56.8 85.2#

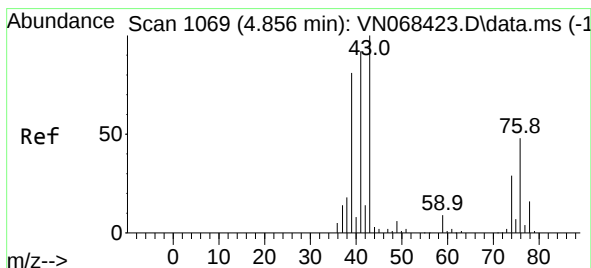
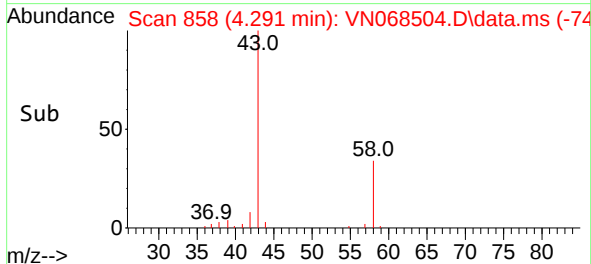
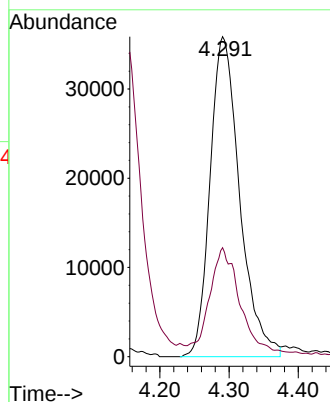
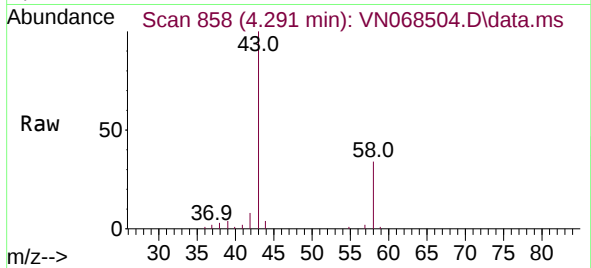




#16
Acetone
Concen: 64.485 ug/l
RT: 4.291 min Scan# 858
Delta R.T. 0.000 min
Lab File: VN068504.D
Acq: 16 Sep 2021 19:10

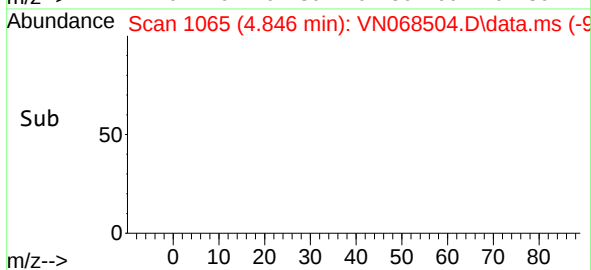
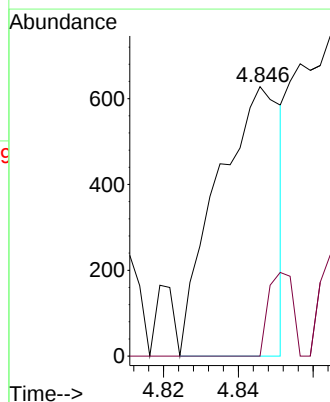
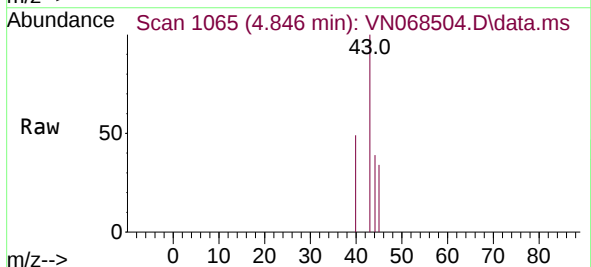
Instrument :
MSVOA_N
ClientSampled :
31185

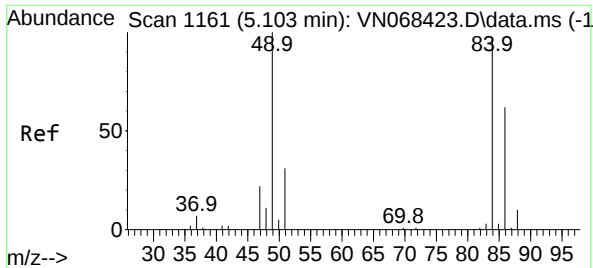
Tgt Ion: 43 Resp: 106662
Ion Ratio Lower Upper
43 100
58 32.2 27.0 40.6



#18
Methyl Acetate
Concen: Below Cal
RT: 4.846 min Scan# 1065
Delta R.T. -0.010 min
Lab File: VN068504.D
Acq: 16 Sep 2021 19:10

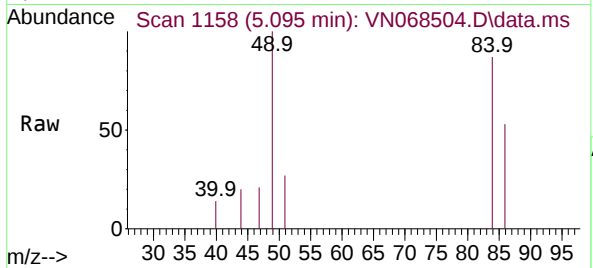
Tgt Ion: 43 Resp: 735
Ion Ratio Lower Upper
43 100
74 12.0 23.5 35.3#





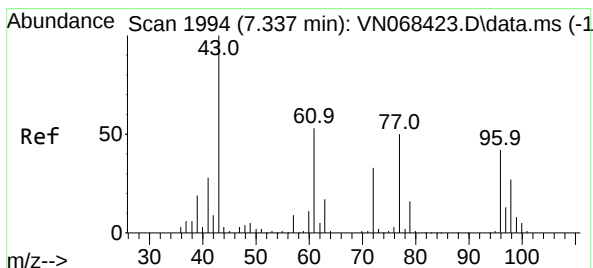
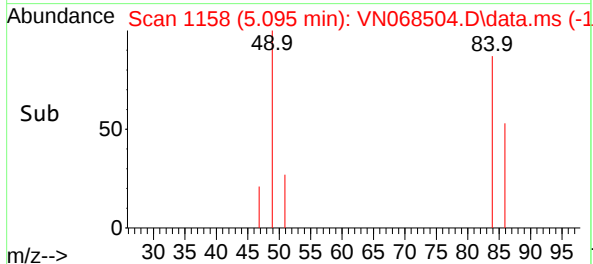
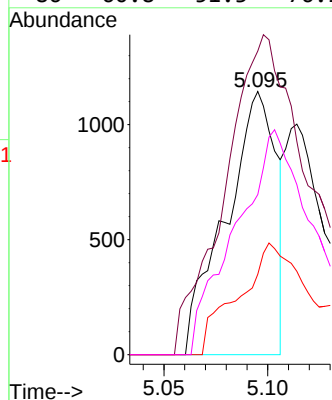
#20
Methylene Chloride
Concen: Below Cal
RT: 5.095 min Scan# 1158
Delta R.T. -0.008 min
Lab File: VN068504.D
Acq: 16 Sep 2021 19:10

Instrument :
MSVOA_N
ClientSampled :
31185



Tgt Ion: 84 Resp: 1928

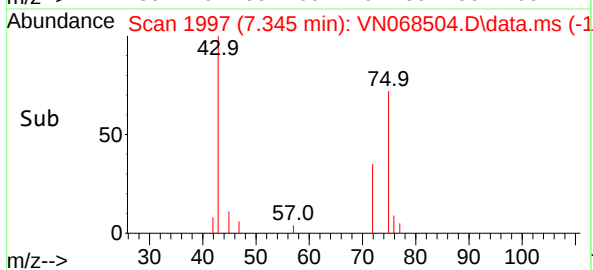
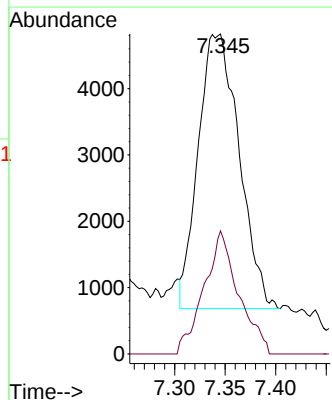
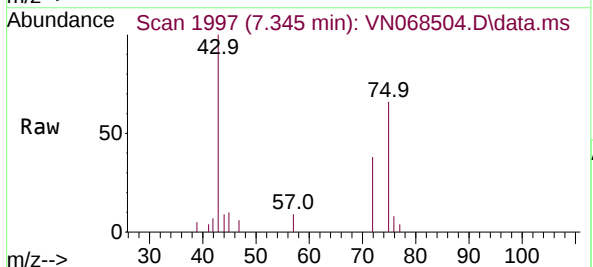
Ion	Ratio	Lower	Upper
84	100		
49	98.0	83.0	124.6
51	30.6	25.4	38.0
86	60.8	51.3	76.9

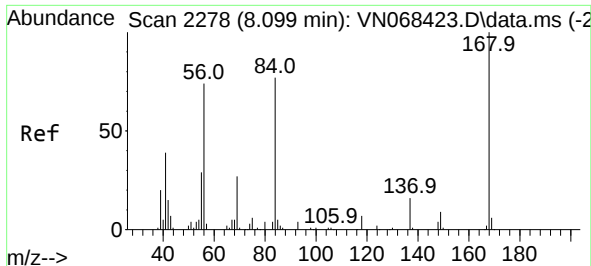


#25
2-Butanone
Concen: 4.805 ug/l
RT: 7.345 min Scan# 1997
Delta R.T. 0.008 min
Lab File: VN068504.D
Acq: 16 Sep 2021 19:10

Tgt Ion: 43 Resp: 11670

Ion	Ratio	Lower	Upper
43	100		
72	44.8	26.7	40.1#

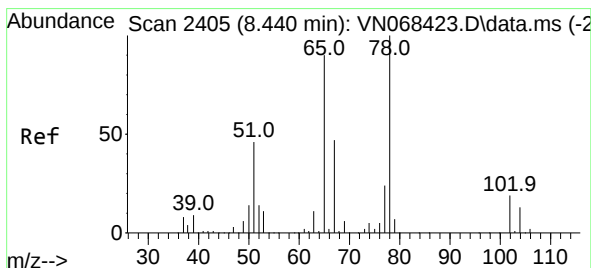
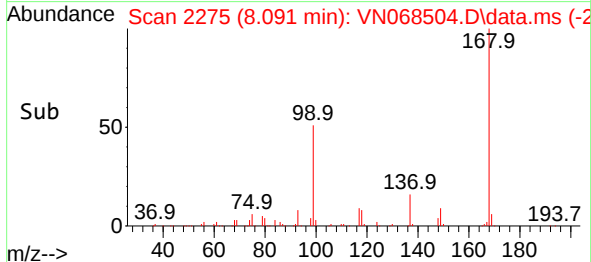
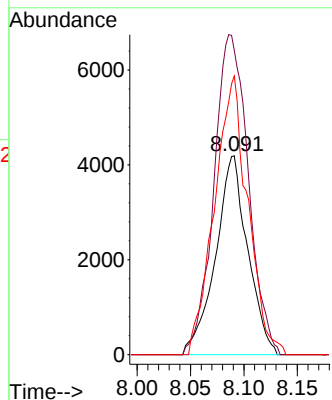
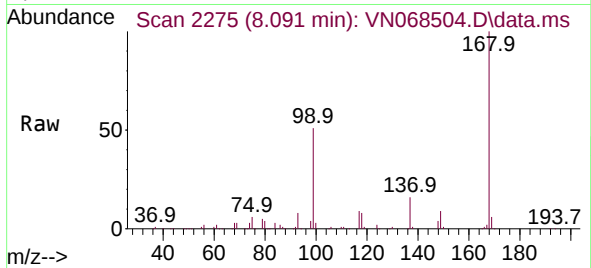




#31
Cyclohexane
Concen: 1.159 ug/l
RT: 8.091 min Scan# 2275
Delta R.T. -0.008 min
Lab File: VN068504.D
Acq: 16 Sep 2021 19:10

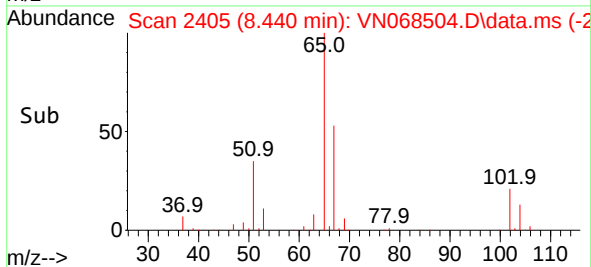
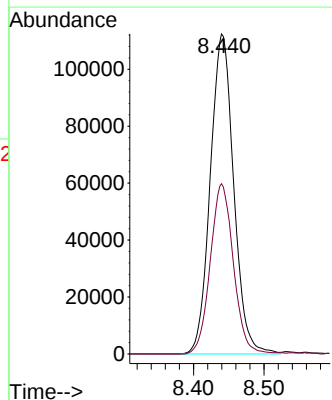
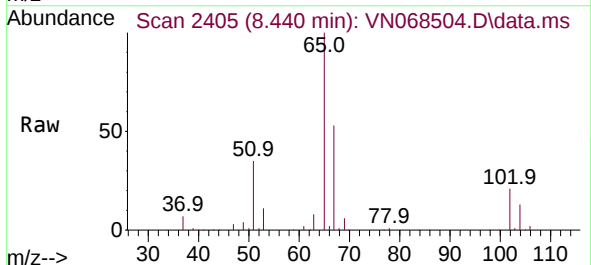
Instrument :
MSVOA_N
ClientSampleId :
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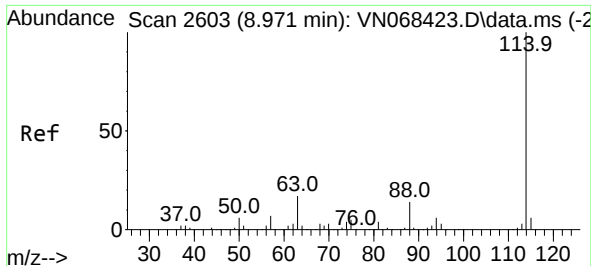
Tgt Ion: 56 Resp: 8776
Ion Ratio Lower Upper
56 100
69 152.9 29.4 44.0#
84 140.1 83.6 125.4#



#33
1,2-Dichloroethane-d4
Concen: 51.859 ug/l
RT: 8.440 min Scan# 2405
Delta R.T. 0.000 min
Lab File: VN068504.D
Acq: 16 Sep 2021 19:10

Tgt Ion: 65 Resp: 259214
Ion Ratio Lower Upper
65 100
67 52.5 0.0 104.0





#34

1,4-Difluorobenzene

Concen: 50.000 ug/l

RT: 8.971 min Scan# 2603

Delta R.T. -0.000 min

Lab File: VN068504.D

Acq: 16 Sep 2021 19:10

Instrument :

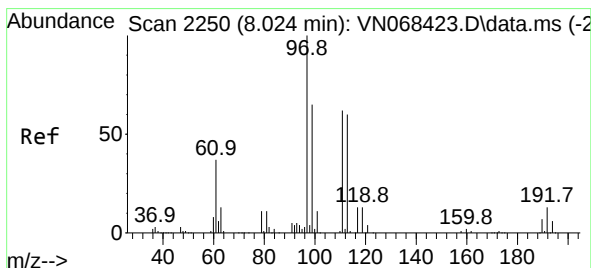
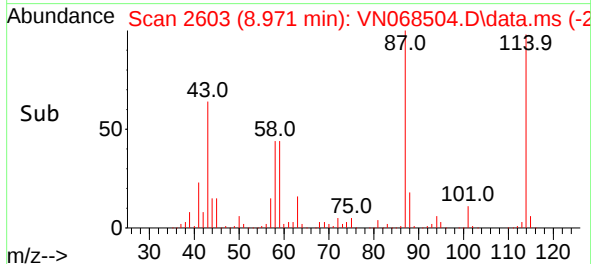
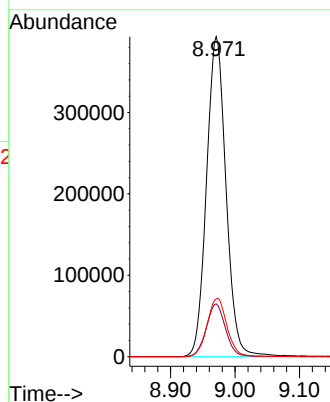
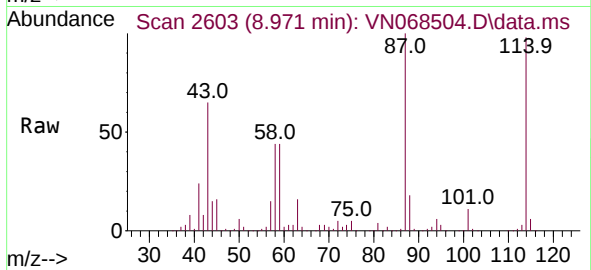
MSVOA_N

ClientSampled :

31185

Tgt Ion:114 Resp: 826895

Ion	Ratio	Lower	Upper
114	100		
63	16.5	0.0	33.2
88	18.1	0.0	28.4



#35

Dibromofluoromethane

Concen: 48.089 ug/l

RT: 8.024 min Scan# 2250

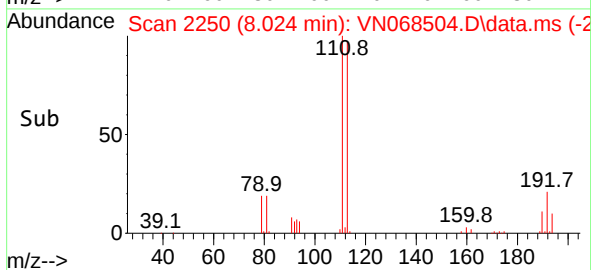
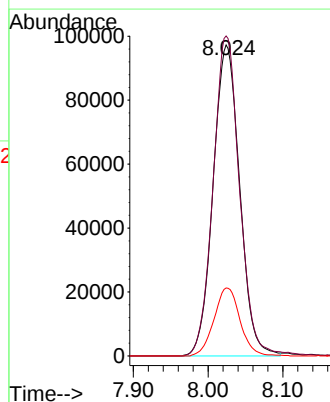
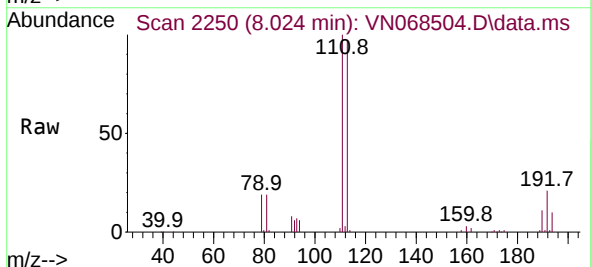
Delta R.T. 0.000 min

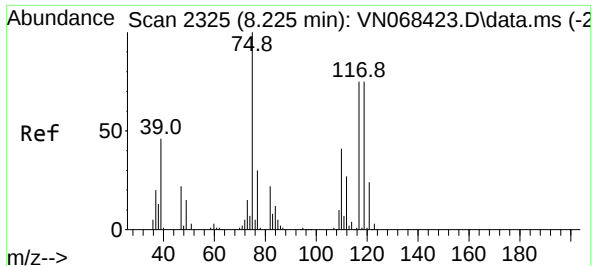
Lab File: VN068504.D

Acq: 16 Sep 2021 19:10

Tgt Ion:113 Resp: 239834

Ion	Ratio	Lower	Upper
113	100		
111	102.9	81.1	121.7
192	21.5	17.7	26.5

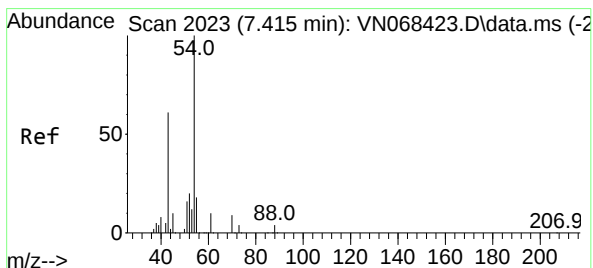
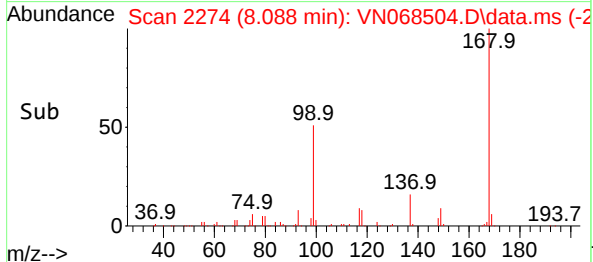
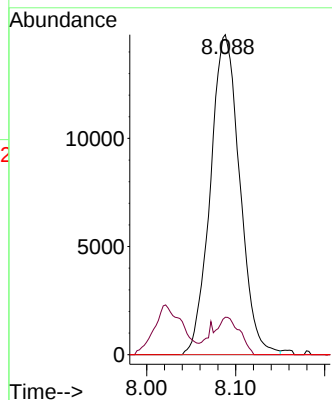
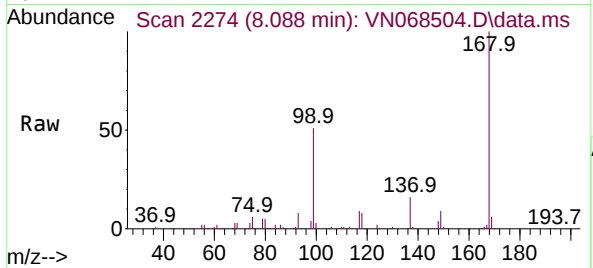




#36
1,1-Dichloropropene
Concen: 4.923 ug/l
RT: 8.088 min Scan# 2274
Delta R.T. -0.137 min
Lab File: VN068504.D
Acq: 16 Sep 2021 19:10

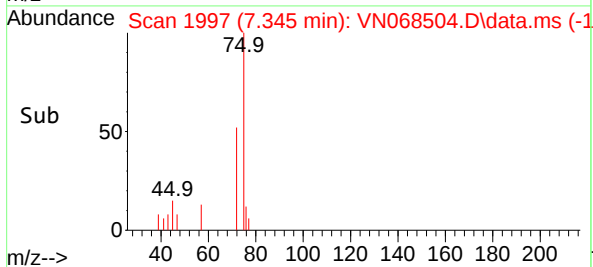
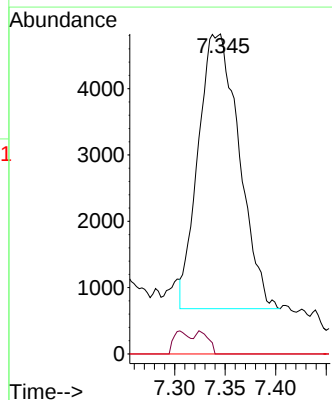
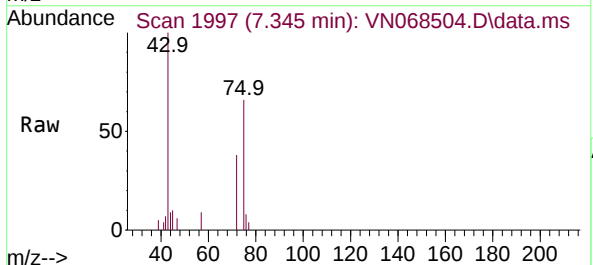
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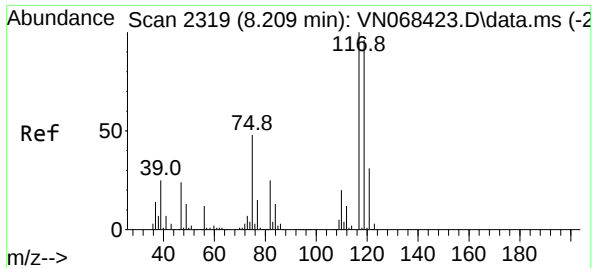
Tgt Ion: 75 Resp: 33938
Ion Ratio Lower Upper
75 100
110 8.1 20.8 62.5#
77 0.0 25.0 37.6#



#37
Ethyl Acetate
Concen: 2.225 ug/l
RT: 7.345 min Scan# 1997
Delta R.T. -0.070 min
Lab File: VN068504.D
Acq: 16 Sep 2021 19:10

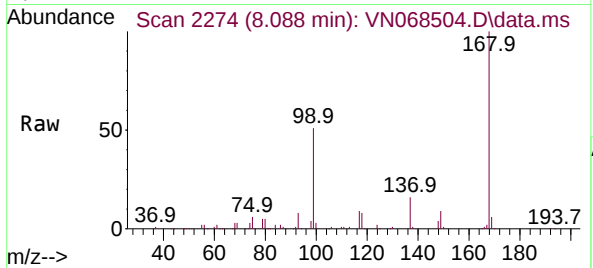
Tgt Ion: 43 Resp: 11670
Ion Ratio Lower Upper
43 100
61 0.0 12.4 18.6#
70 0.0 9.6 14.4#



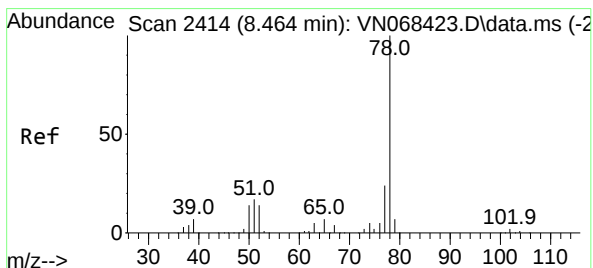
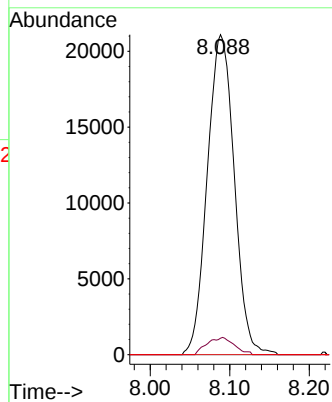
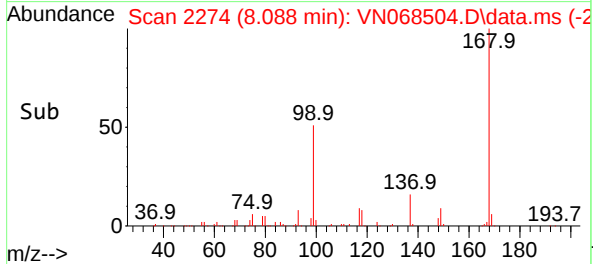


#38
Carbon Tetrachloride
Concen: 6.022 ug/l
RT: 8.088 min Scan# 2274
Delta R.T. -0.121 min
Lab File: VN068504.D
Acq: 16 Sep 2021 19:10

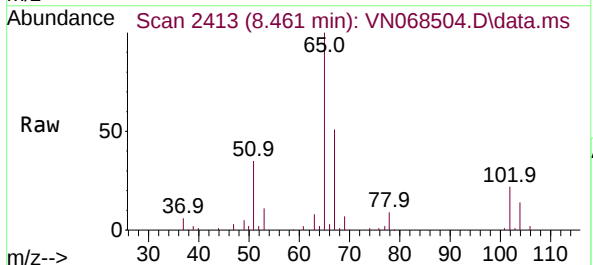
Instrument :
MSVOA_N
ClientSampleId :
31185



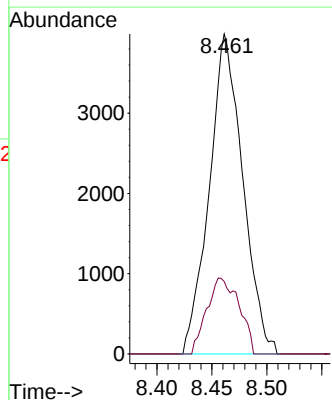
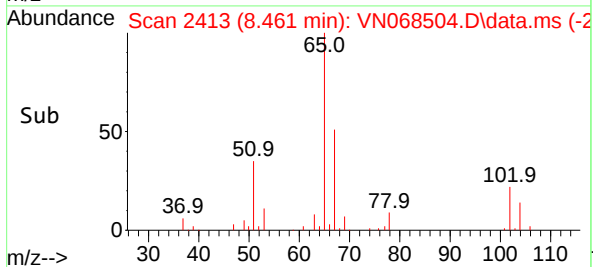
Tgt Ion:117 Resp: 49733
Ion Ratio Lower Upper
117 100
119 5.2 76.6 114.8#
121 0.0 24.5 36.7#

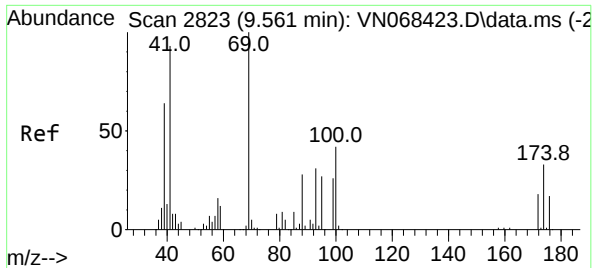


#40
Benzene
Concen: 0.414 ug/l
RT: 8.461 min Scan# 2413
Delta R.T. -0.003 min
Lab File: VN068504.D
Acq: 16 Sep 2021 19:10



Tgt Ion: 78 Resp: 8446
Ion Ratio Lower Upper
78 100
77 22.6 19.3 28.9

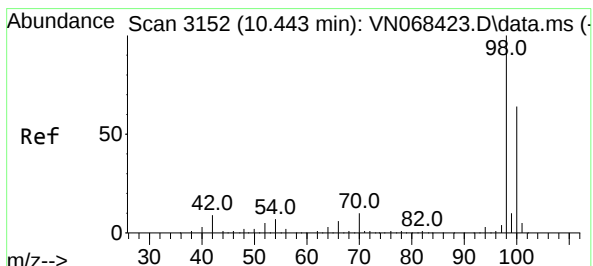
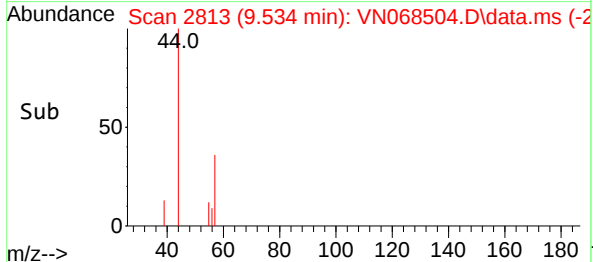
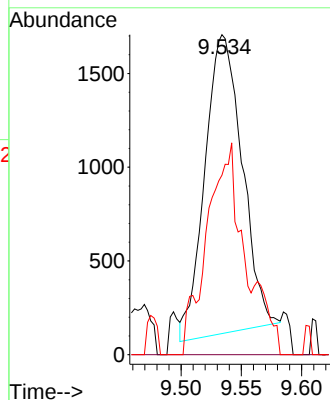
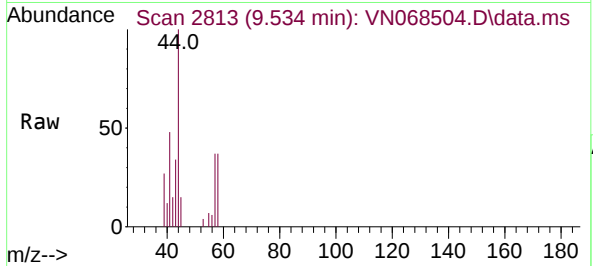




#48
Methyl methacrylate
Concen: 0.886 ug/l
RT: 9.534 min Scan# 2813
Delta R.T. -0.027 min
Lab File: VN068504.D
Acq: 16 Sep 2021 19:10

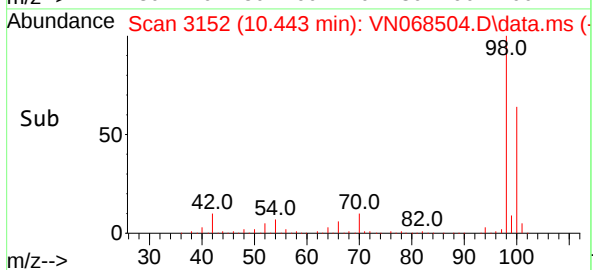
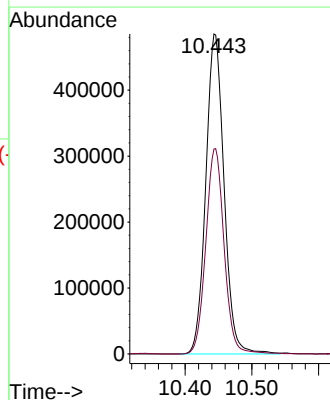
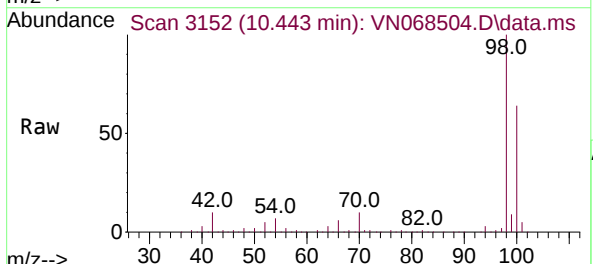
Instrument :
MSVOA_N
ClientSampled :
31185

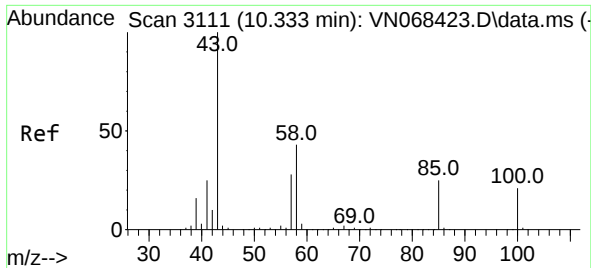
Tgt Ion: 41 Resp: 3425
Ion Ratio Lower Upper
41 100
69 0.0 82.9 124.3#
39 62.6 50.3 75.5



#50
Toluene-d8
Concen: 50.856 ug/l
RT: 10.443 min Scan# 3152
Delta R.T. 0.000 min
Lab File: VN068504.D
Acq: 16 Sep 2021 19:10

Tgt Ion: 98 Resp: 921303
Ion Ratio Lower Upper
98 100
100 64.5 51.0 76.6

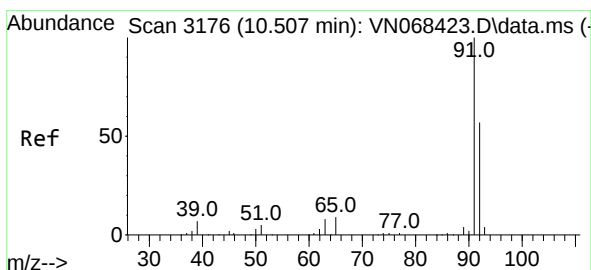
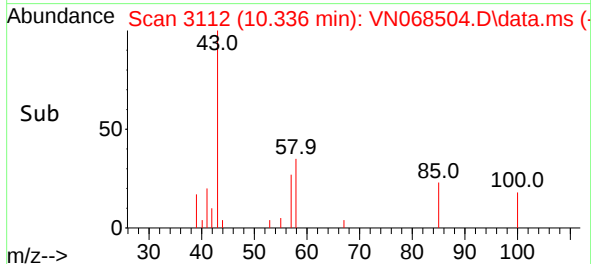
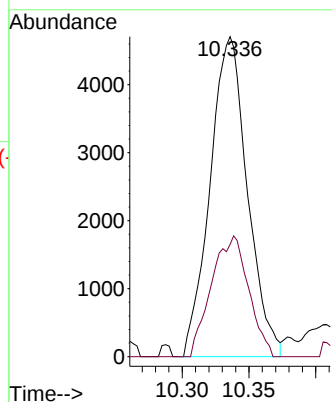
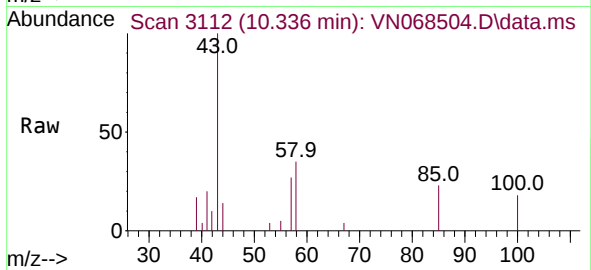




#51
4-Methyl-2-Pentanone
Concen: 1.735 ug/l
RT: 10.336 min Scan# 3112
Delta R.T. 0.003 min
Lab File: VN068504.D
Acq: 16 Sep 2021 19:10

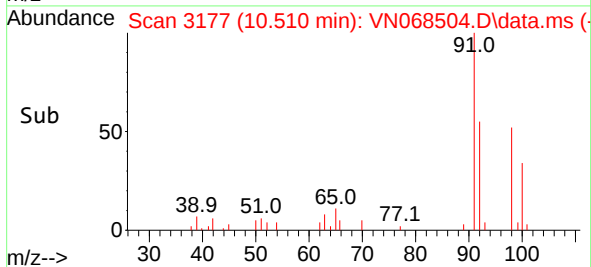
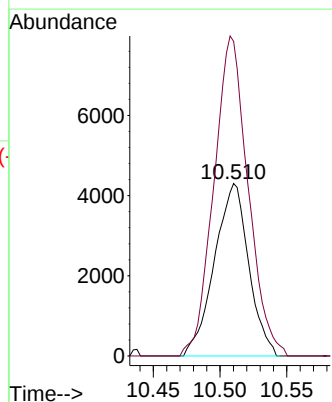
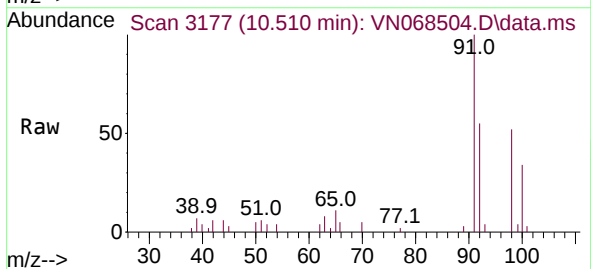
Instrument :
MSVOA_N
ClientSampled :
31185

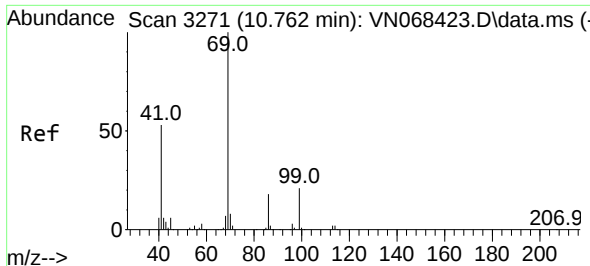
Tgt Ion: 43 Resp: 9161
Ion Ratio Lower Upper
43 100
58 37.6 34.3 51.5



#52
Toluene
Concen: 0.567 ug/l
RT: 10.510 min Scan# 3177
Delta R.T. 0.003 min
Lab File: VN068504.D
Acq: 16 Sep 2021 19:10

Tgt Ion: 92 Resp: 7675
Ion Ratio Lower Upper
92 100
91 185.1 139.4 209.0

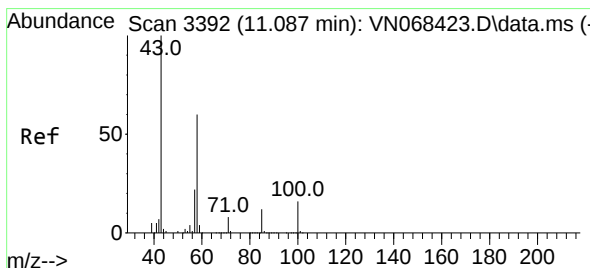
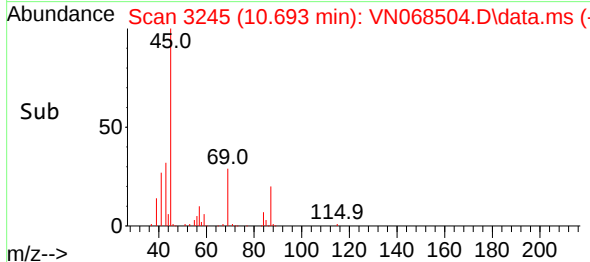
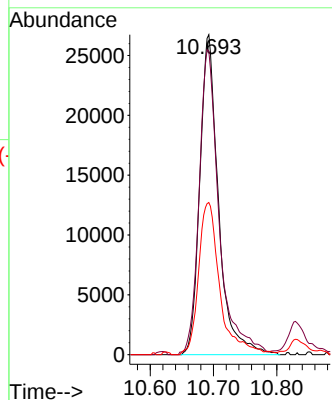
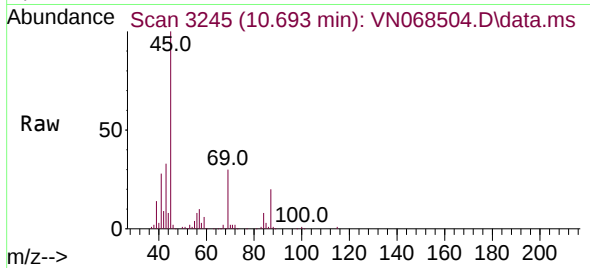




#56
Ethyl methacrylate
Concen: 8.216 ug/l
RT: 10.693 min Scan# 3245
Delta R.T. -0.070 min
Lab File: VN068504.D
Acq: 16 Sep 2021 19:10

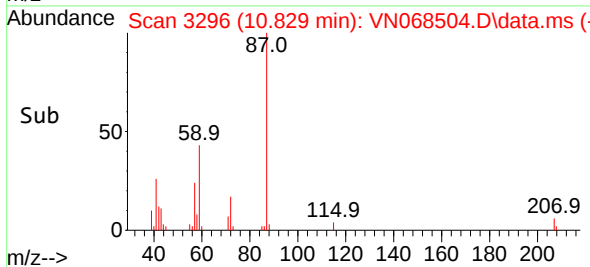
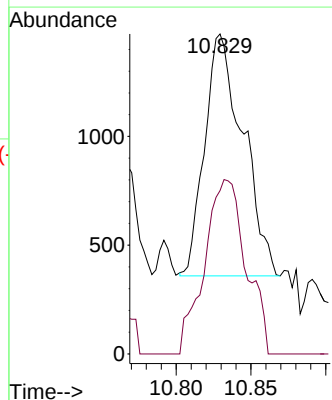
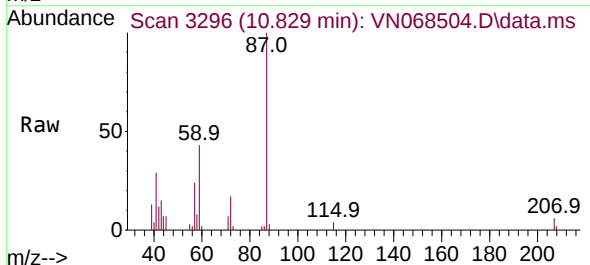
Instrument :
MSVOA_N
ClientSampleId :
31185

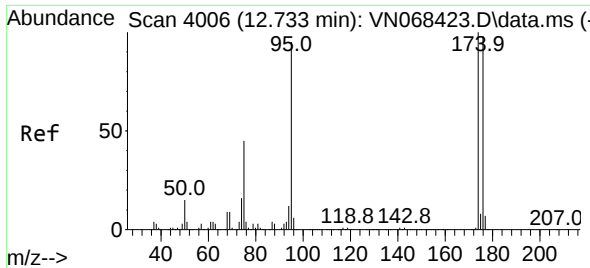
Tgt Ion: 69 Resp: 54827
Ion Ratio Lower Upper
69 100
41 102.4 42.4 63.6#
39 53.9 28.5 42.7#



#59
2-Hexanone
Concen: 0.561 ug/l
RT: 10.829 min Scan# 3296
Delta R.T. -0.257 min
Lab File: VN068504.D
Acq: 16 Sep 2021 19:10

Tgt Ion: 43 Resp: 1985
Ion Ratio Lower Upper
43 100
58 77.8 30.0 90.1

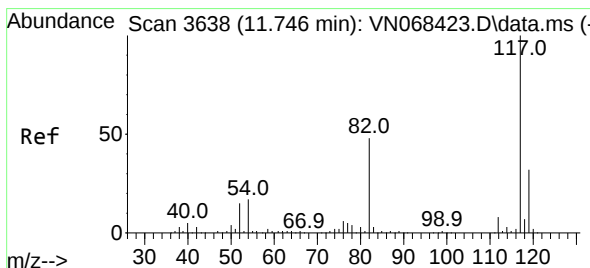
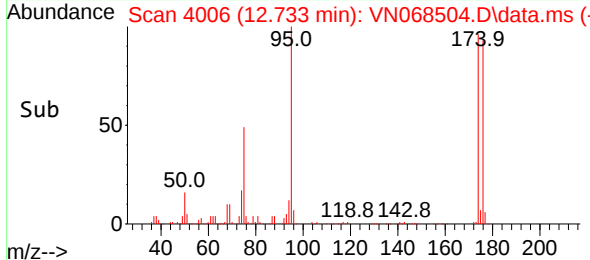
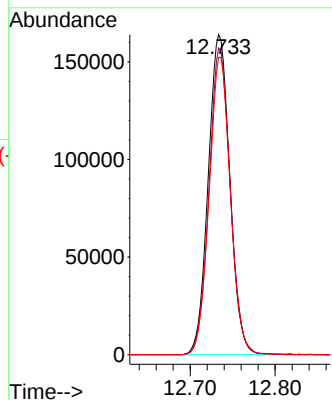
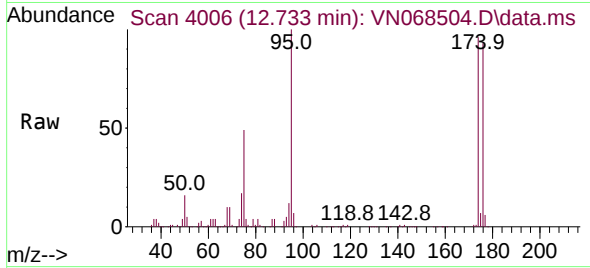




#62
4-Bromofluorobenzene
Concen: 49.821 ug/l
RT: 12.733 min Scan# 4006
Delta R.T. 0.000 min
Lab File: VN068504.D
Acq: 16 Sep 2021 19:10

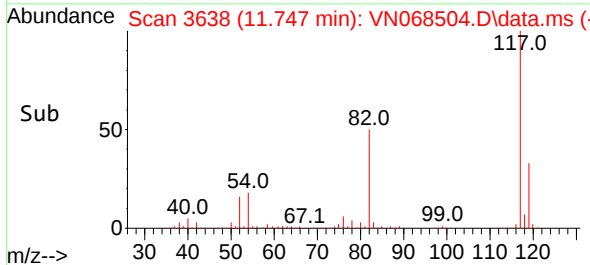
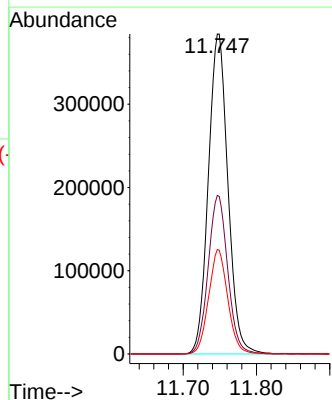
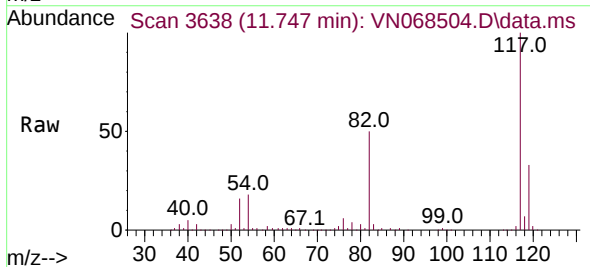
Instrument :
MSVOA_N
ClientSampled :
31185

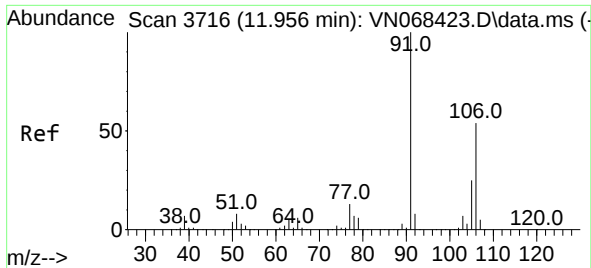
Tgt Ion: 95 Resp: 288808
Ion Ratio Lower Upper
95 100
174 94.5 0.0 214.0
176 91.2 0.0 205.4



#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 11.747 min Scan# 3638
Delta R.T. 0.000 min
Lab File: VN068504.D
Acq: 16 Sep 2021 19:10

Tgt Ion: 117 Resp: 713429
Ion Ratio Lower Upper
117 100
82 49.6 38.7 58.1
119 32.7 25.5 38.3

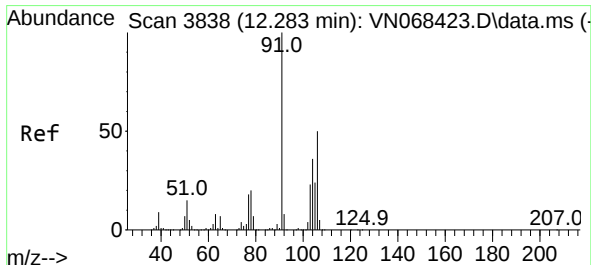
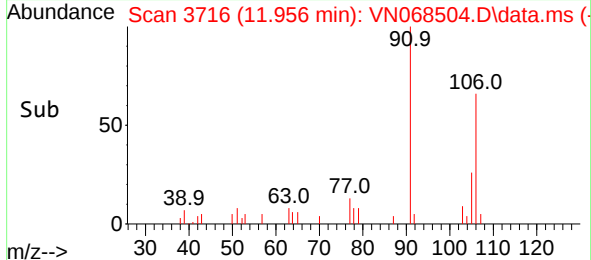
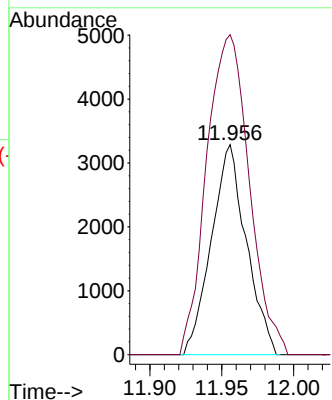
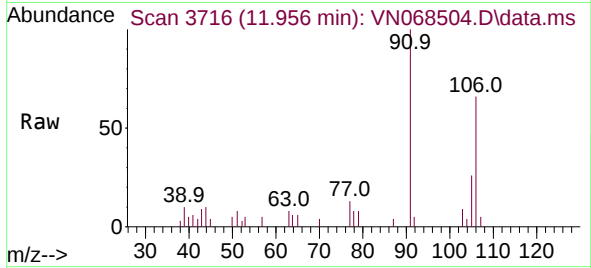




#68
m/p-Xylenes
Concen: 0.576 ug/l
RT: 11.956 min Scan# 3716
Delta R.T. 0.000 min
Lab File: VN068504.D
Acq: 16 Sep 2021 19:10

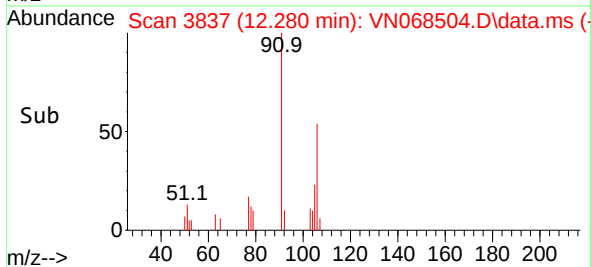
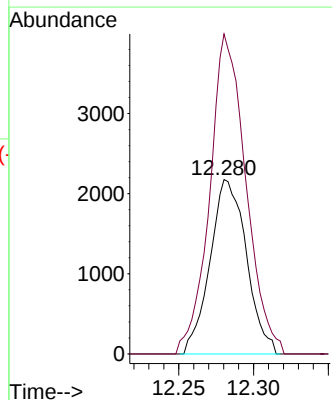
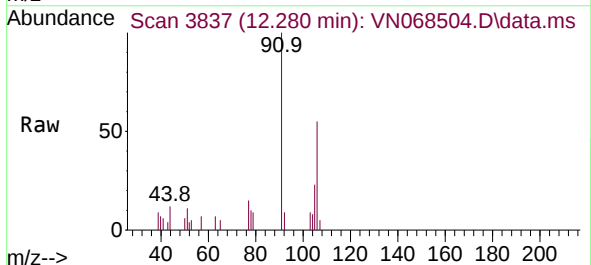
Instrument :
MSVOA_N
ClientSampled :
31185

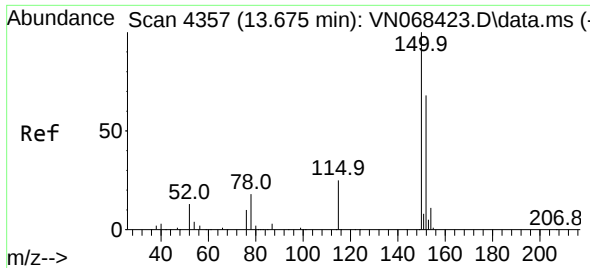
Tgt Ion:106 Resp: 5565
Ion Ratio Lower Upper
106 100
91 185.4 149.5 224.3



#69
o-Xylene
Concen: 0.391 ug/l
RT: 12.280 min Scan# 3837
Delta R.T. -0.003 min
Lab File: VN068504.D
Acq: 16 Sep 2021 19:10

Tgt Ion:106 Resp: 3679
Ion Ratio Lower Upper
106 100
91 182.3 99.3 297.8

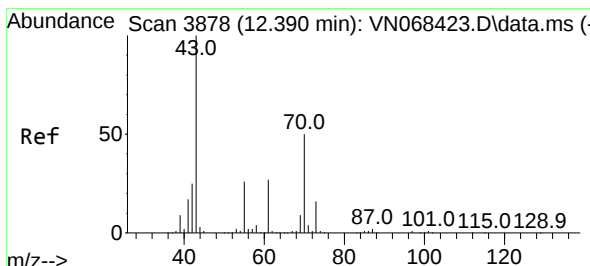
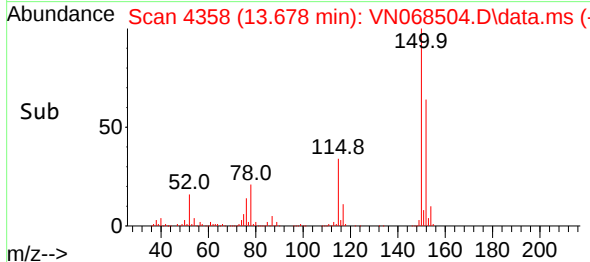
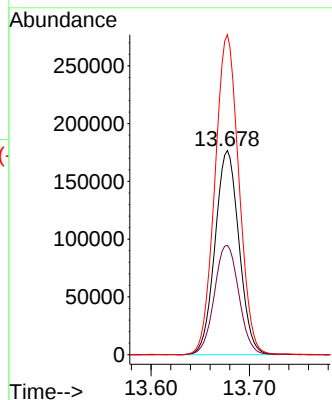
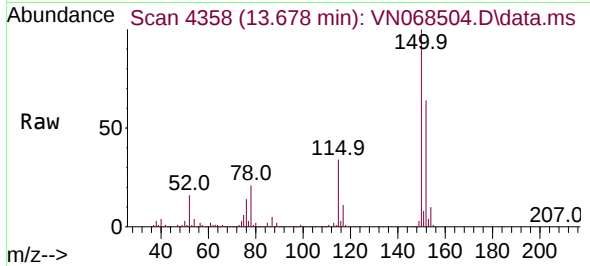




#72
1,4-Dichlorobenzene-d4
Concen: 50.000 ug/l
RT: 13.678 min Scan# 4358
Delta R.T. 0.003 min
Lab File: VN068504.D
Acq: 16 Sep 2021 19:10

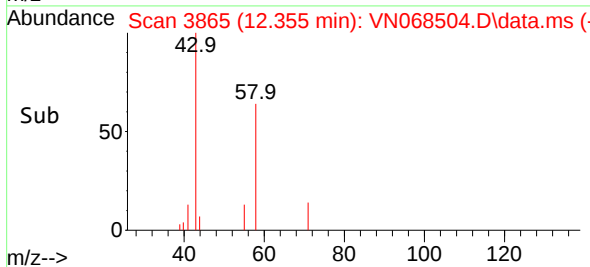
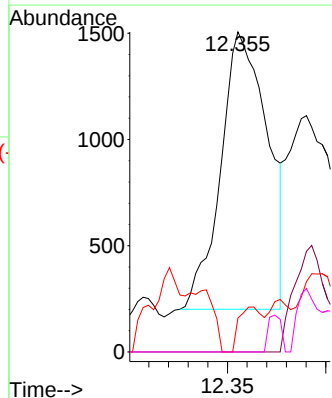
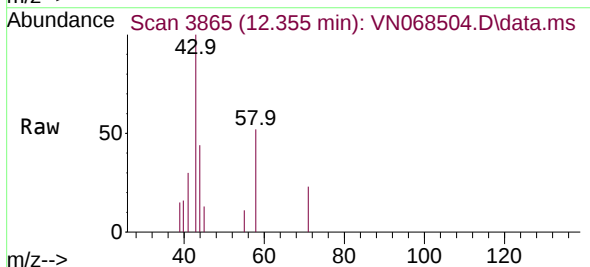
Instrument :
MSVOA_N
ClientSampled :
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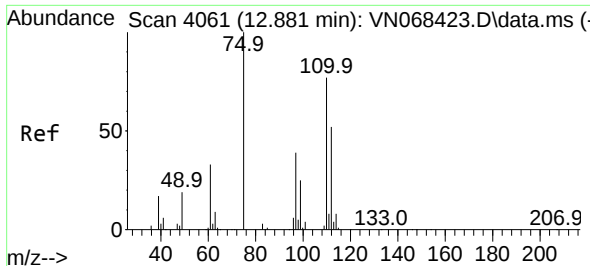
Tgt Ion:152 Resp: 299738
Ion Ratio Lower Upper
152 100
115 55.1 25.6 76.6
150 157.0 0.0 346.8



#74
N-amy1 acetate
Concen: 0.453 ug/l
RT: 12.355 min Scan# 3865
Delta R.T. -0.035 min
Lab File: VN068504.D
Acq: 16 Sep 2021 19:10

Tgt Ion: 43 Resp: 2153
Ion Ratio Lower Upper
43 100
70 0.0 40.0 60.0#
55 8.3 21.1 31.7#
61 0.0 21.2 31.8#

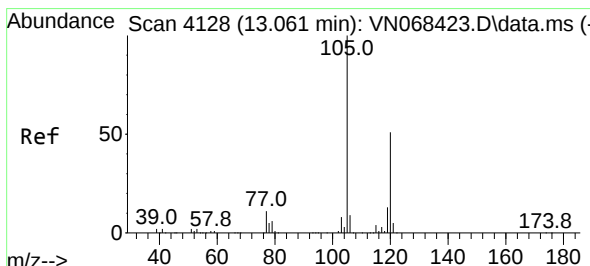
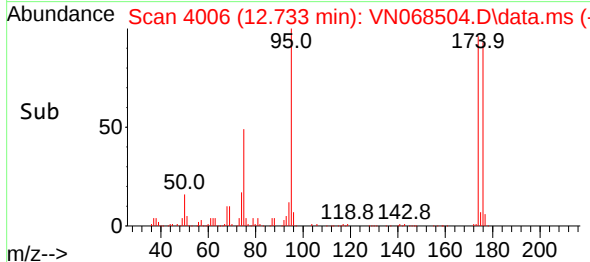
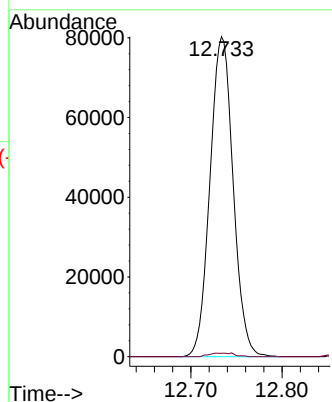
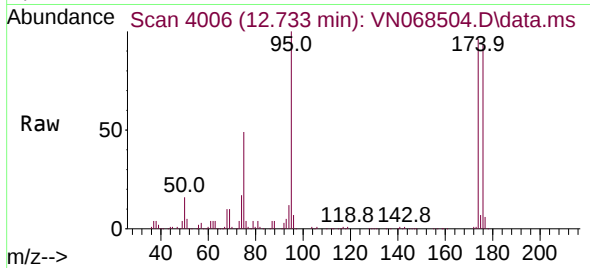




#76
1,2,3-Trichloropropane
Concen: 29.924 ug/l
RT: 12.733 min Scan# 4006
Delta R.T. -0.147 min
Lab File: VN068504.D
Acq: 16 Sep 2021 19:10

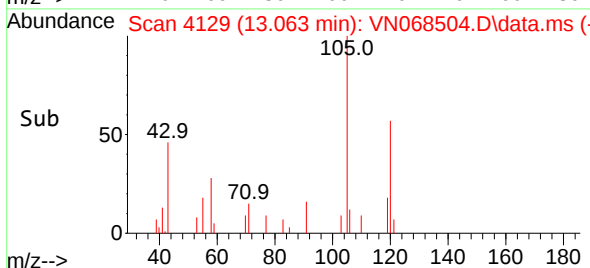
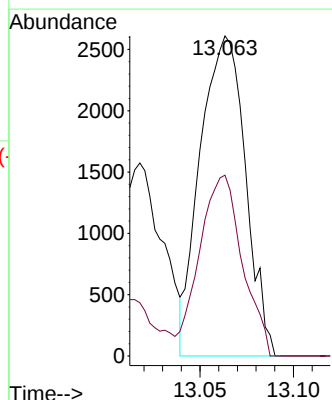
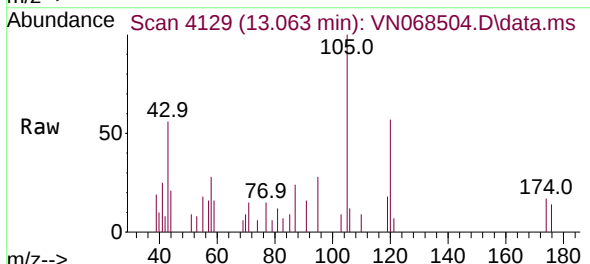
Instrument :
MSVOA_N
ClientSampled :
31185

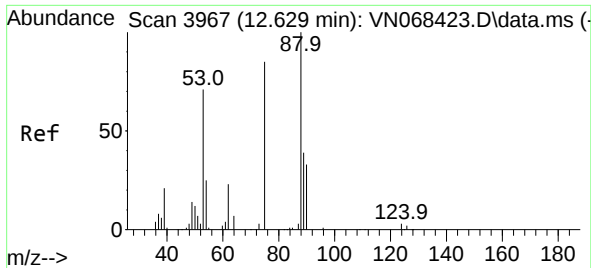
Tgt Ion: 75 Resp: 141584
Ion Ratio Lower Upper
75 100
77 1.2 100.9 302.7#



#80
1,3,5-Trimethylbenzene
Concen: 0.254 ug/l
RT: 13.063 min Scan# 4129
Delta R.T. 0.003 min
Lab File: VN068504.D
Acq: 16 Sep 2021 19:10

Tgt Ion: 105 Resp: 4391
Ion Ratio Lower Upper
105 100
120 53.6 25.7 77.1

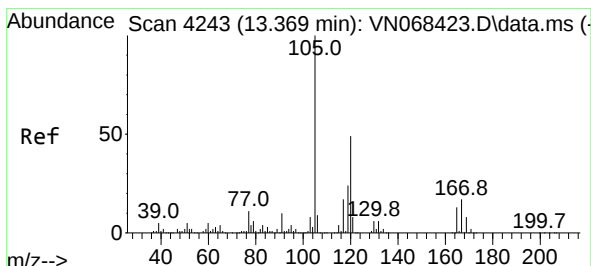
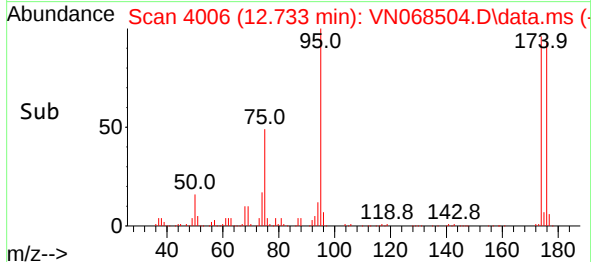
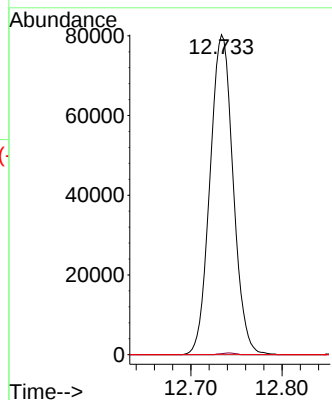
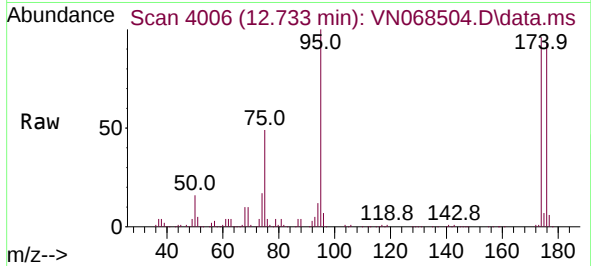




#81
trans-1,4-Dichloro-2-butene
Concen: 104.684 ug/l
RT: 12.733 min Scan# 4006
Delta R.T. 0.105 min
Lab File: VN068504.D
Acq: 16 Sep 2021 19:10

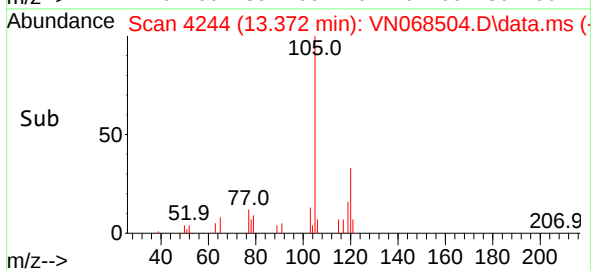
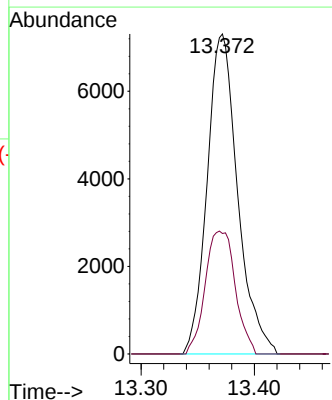
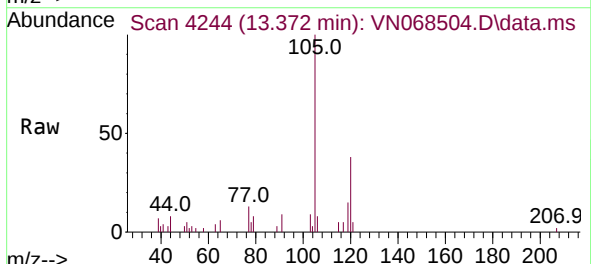
Instrument :
MSVOA_N
ClientSampled :
31185

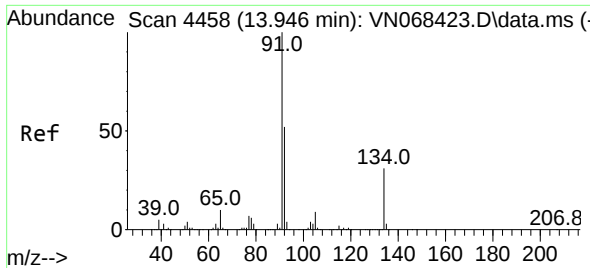
Tgt Ion: 75 Resp: 141584
Ion Ratio Lower Upper
75 100
53 0.3 70.6 105.8#
89 0.0 39.5 59.3#



#84
1,2,4-Trimethylbenzene
Concen: 0.822 ug/l
RT: 13.372 min Scan# 4244
Delta R.T. 0.003 min
Lab File: VN068504.D
Acq: 16 Sep 2021 19:10

Tgt Ion:105 Resp: 13655
Ion Ratio Lower Upper
105 100
120 37.8 24.3 72.9

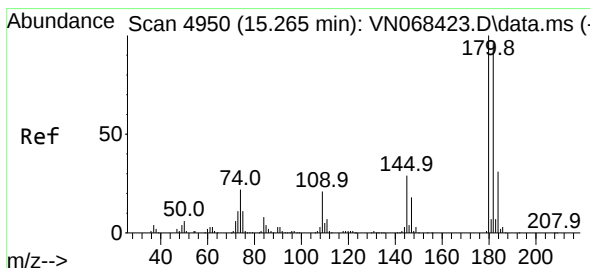
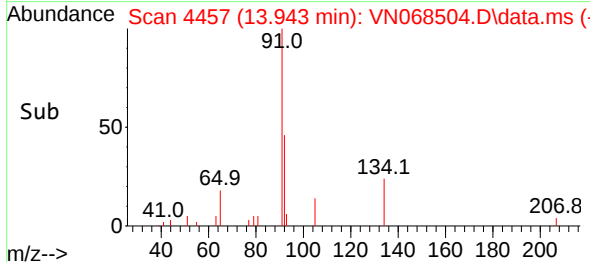
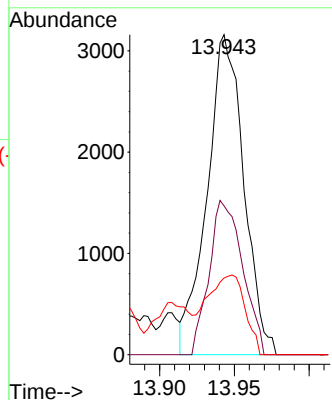
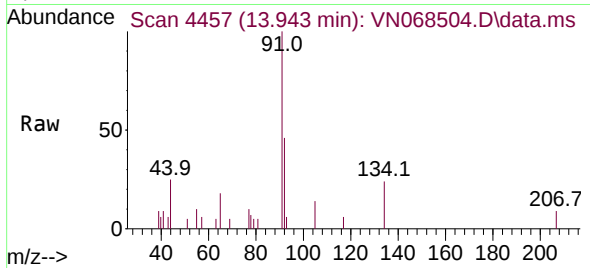




#89
n-Butylbenzene
Concen: 0.421 ug/l
RT: 13.943 min Scan# 4457
Delta R.T. -0.003 min
Lab File: VN068504.D
Acq: 16 Sep 2021 19:10

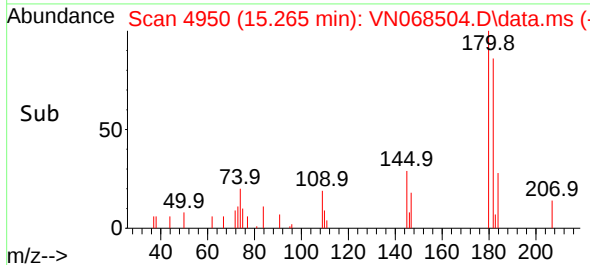
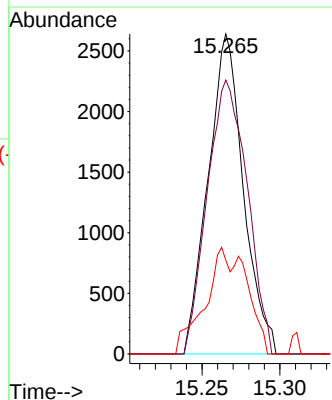
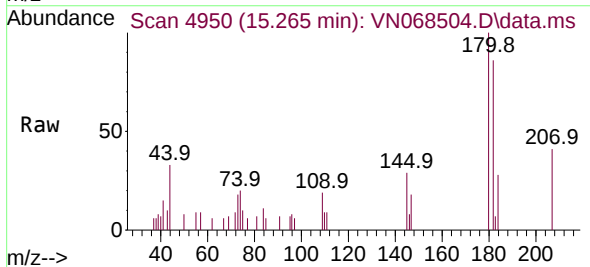
Instrument :
MSVOA_N
ClientSampled :
31185

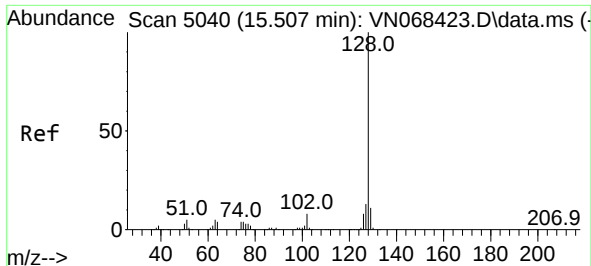
Tgt Ion:	91	Resp:	5398
Ion	Ratio	Lower	Upper
91	100		
92	43.9	26.0	78.0
134	25.5	15.4	46.2



#93
1,2,4-Trichlorobenzene
Concen: 0.920 ug/l
RT: 15.265 min Scan# 4950
Delta R.T. 0.000 min
Lab File: VN068504.D
Acq: 16 Sep 2021 19:10

Tgt Ion:	180	Resp:	4147
Ion	Ratio	Lower	Upper
180	100		
182	97.0	47.5	142.6
145	23.6	14.1	42.4

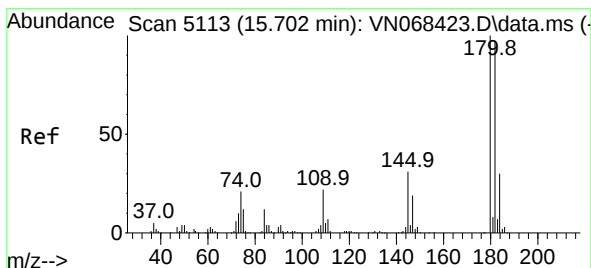
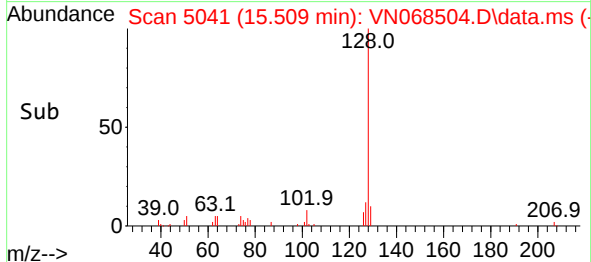
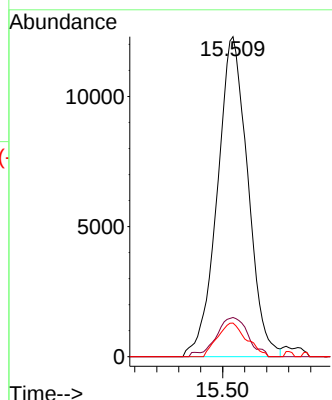
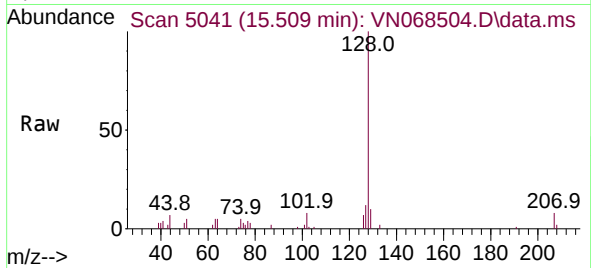




#95
Naphthalene
Concen: 5.351 ug/l
RT: 15.509 min Scan# 5041
Delta R.T. 0.002 min
Lab File: VN068504.D
Acq: 16 Sep 2021 19:10

Instrument :
MSVOA_N
ClientSampled :
31185

Tgt Ion:	128	Resp:	23665
Ion Ratio	Lower	Upper	
128	100		
127	12.8	10.6	15.8
129	10.0	8.6	13.0



#96
1,2,3-Trichlorobenzene
Concen: 1.205 ug/l
RT: 15.705 min Scan# 5114
Delta R.T. 0.003 min
Lab File: VN068504.D
Acq: 16 Sep 2021 19:10

Tgt Ion:	180	Resp:	5188
Ion Ratio	Lower	Upper	
180	100		
182	98.4	47.9	143.6
145	41.2	15.2	45.5

