

Data Path : Z:\voasrv\HPCHEM1\MSVOA_N\Data\VN071921\
 Data File : VN067802.D
 Acq On : 19 Jul 2021 18:50
 Operator : JC/MD
 Sample : M3088-07
 Misc : 5.00mL/MSVOA_N/WATER
 ALS Vial : 18 Sample Multiplier: 1

Instrument :
 MSVOA_N
 ClientSampleId :

Quant Time: Jul 20 04:54:10 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)

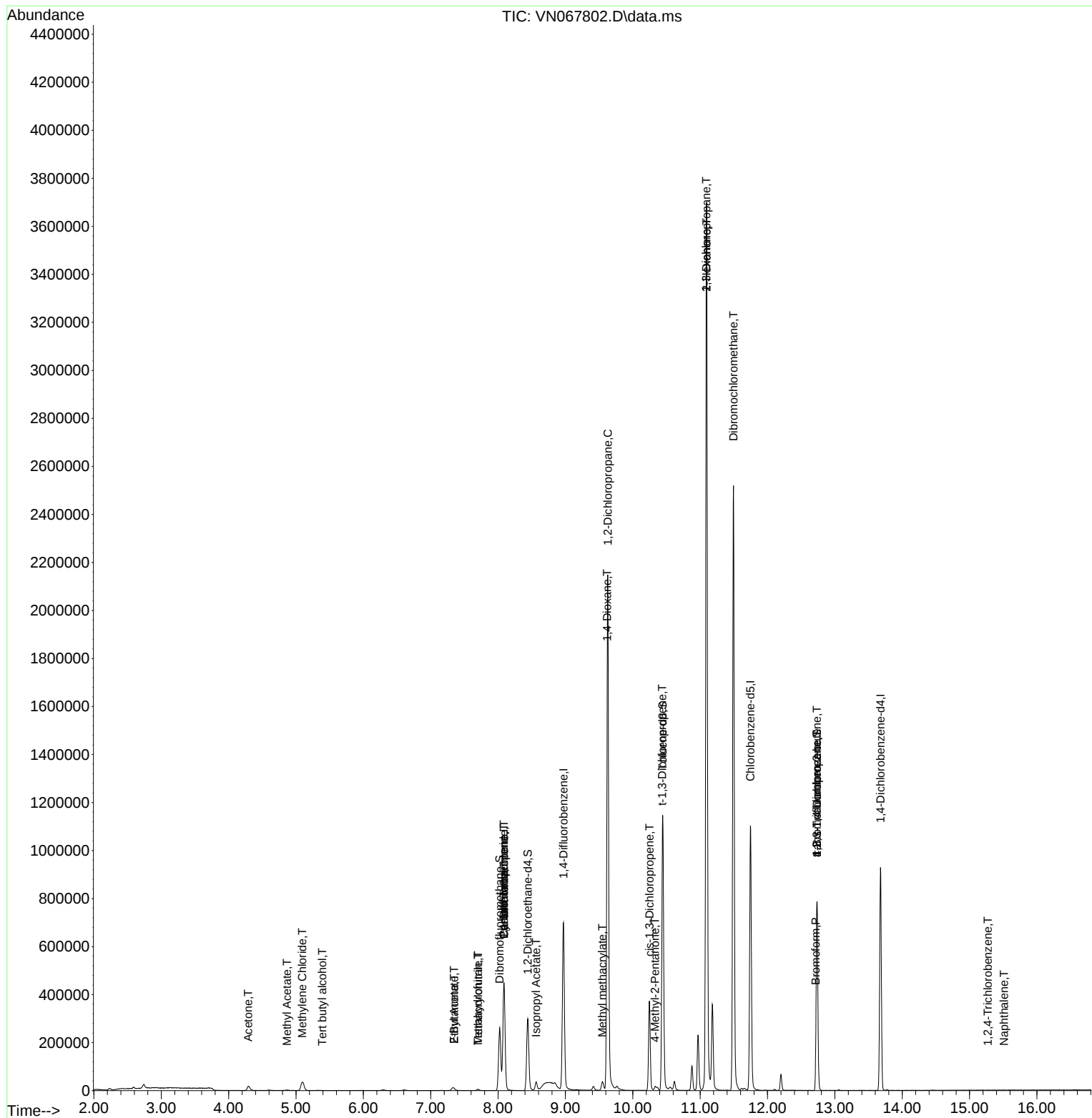
Internal Standards						
1) Pentafluorobenzene	8.088	168	321428	50.000	ug/l	0.00
34) 1,4-Difluorobenzene	8.971	114	610736	50.000	ug/l	0.00
63) Chlorobenzene-d5	11.747	117	637969	50.000	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.678	152	238663	50.000	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	8.440	65	252112	51.899	ug/l	0.00
Spiked Amount 50.000	Range 61 - 141		Recovery = 103.800%			
35) Dibromofluoromethane	8.024	113	184410	49.977	ug/l	0.00
Spiked Amount 50.000	Range 69 - 133		Recovery = 99.960%			
50) Toluene-d8	10.443	98	806800	52.237	ug/l	0.00
Spiked Amount 50.000	Range 65 - 126		Recovery = 104.480%			
62) 4-Bromofluorobenzene	12.734	95	278485	51.041	ug/l	0.00
Spiked Amount 50.000	Range 58 - 135		Recovery = 102.080%			
Target Compounds						
					Qvalue	
5) Bromomethane	2.826	94	50	Below Cal	#	4
6) Chloroethane	3.014	64	211	Below Cal	#	44
11) Tert butyl alcohol	5.390	59	267	0.382	ug/l	95
13) Acrolein	4.033	56	85	Below Cal	#	1
16) Acetone	4.291	43	35223	23.044	ug/l	99
18) Methyl Acetate	4.867	43	4286	0.998	ug/l	# 59
20) Methylene Chloride	5.093	84	28965	7.526	ug/l	86
25) 2-Butanone	7.345	43	8239	3.246	ug/l	93
29) Tetrahydrofuran	7.699	42	4211	2.523	ug/l	# 83
31) Cyclohexane	8.086	56	8981	1.319	ug/l	# 29
36) 1,1-Dichloropropene	8.086	75	30264	5.335	ug/l	# 52
37) Ethyl Acetate	7.345	43	8239	1.499	ug/l	# 71
38) Carbon Tetrachloride	8.088	117	35663	6.373	ug/l	# 17
41) Methacrylonitrile	7.702	41	2701	0.956	ug/l	# 46
43) Isopropyl Acetate	8.566	43	40541	4.193	ug/l	# 91
45) 1,2-Dichloropropane	9.630	63	2506	0.583	ug/l	# 44
48) Methyl methacrylate	9.547	41	9627	2.251	ug/l	# 12
49) 1,4-Dioxane	9.620	88	100	33.271	ug/l	# 1
51) 4-Methyl-2-Pentanone	10.330	43	8843	1.489	ug/l	# 81
53) t-1,3-Dichloropropene	10.438	75	77	1.755	ug/l	94
54) cis-1,3-Dichloropropene	10.247	75	65421	9.864	ug/l	# 60
57) 1,3-Dichloropropane	11.092	76	39952	5.465	ug/l	# 43
59) 2-Hexanone	11.095	43	584325	140.924	ug/l	# 54
60) Dibromochloromethane	11.494	129	161	2.386	ug/l	# 11
71) Bromoform	12.717	173	106	3.200	ug/l	# 1
76) 1,2,3-Trichloropropane	12.734	75	154471	31.693	ug/l	# 100
81) trans-1,4-Dichloro-2-b...	12.734	75	154471	102.182	ug/l	# 6
93) 1,2,4-Trichlorobenzene	15.271	180	55	2.687	ug/l	# 12
95) Naphthalene	15.509	128	927	3.087	ug/l	# 69

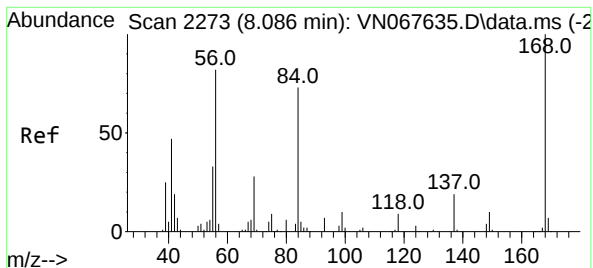
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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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: 8.088 min Scan# 2274

Delta R.T. 0.002 min

Lab File: VN067802.D

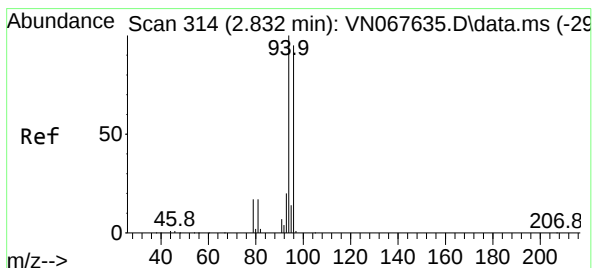
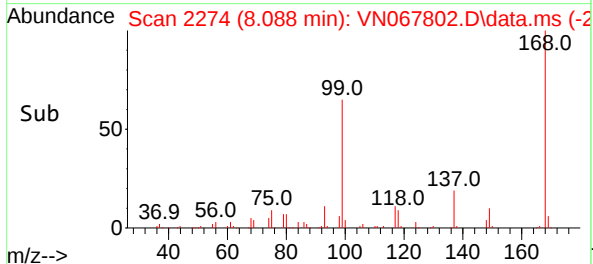
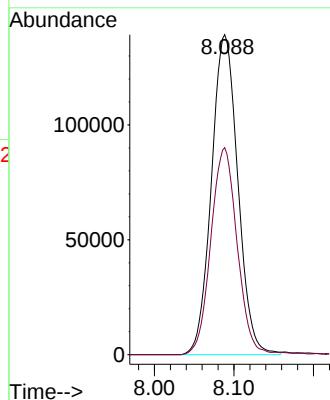
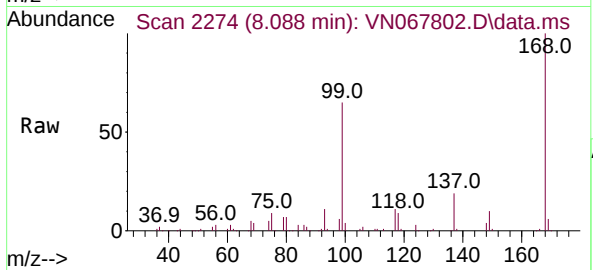
Acq: 19 Jul 2021 18:50

Tgt Ion:168 Resp: 321428

Ion Ratio Lower Upper

168 100

99 64.7 62.9 94.3



#5

Bromomethane

Concen: Below Cal

RT: 2.826 min Scan# 312

Delta R.T. -0.006 min

Lab File: VN067802.D

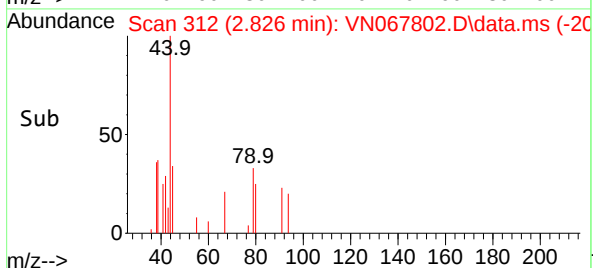
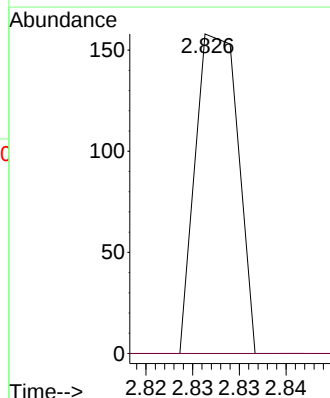
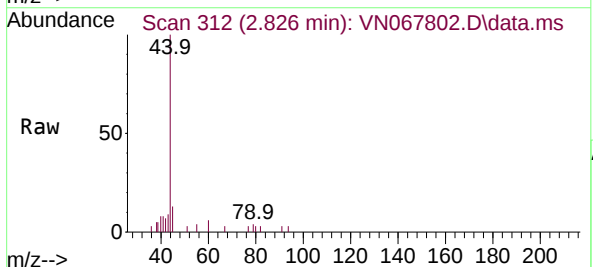
Acq: 19 Jul 2021 18:50

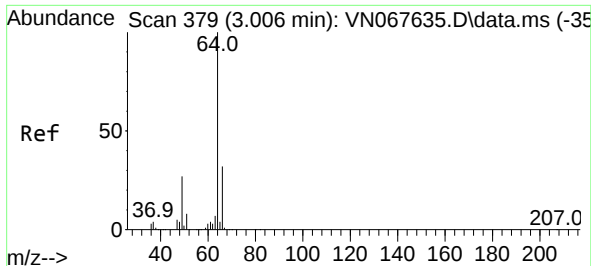
Tgt Ion: 94 Resp: 50

Ion Ratio Lower Upper

94 100

96 0.0 73.7 110.5#

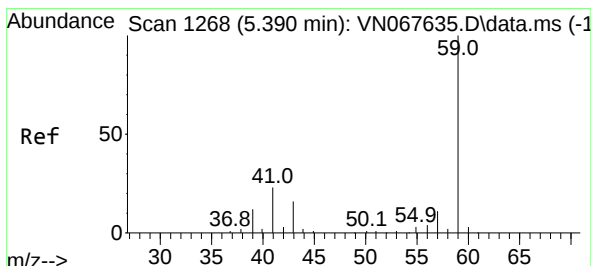
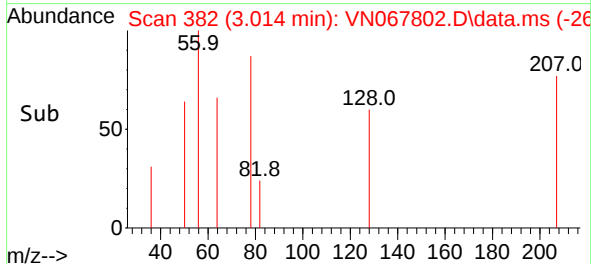
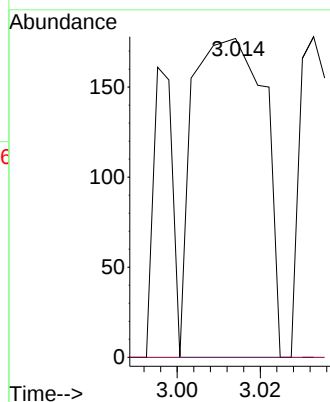
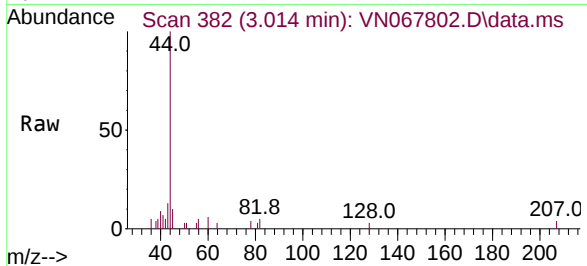




#6
Chloroethane
Concen: Below Cal
RT: 3.014 min Scan# 382
Delta R.T. 0.008 min
Lab File: VN067802.D
Acq: 19 Jul 2021 18:50

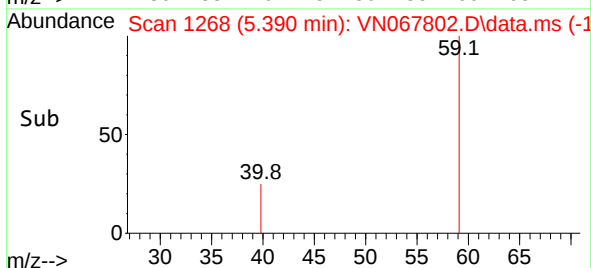
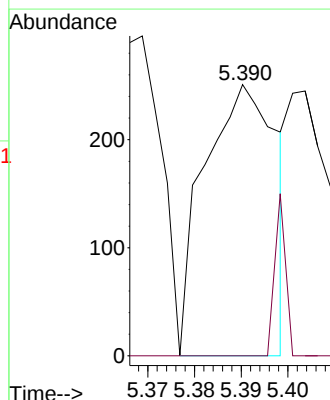
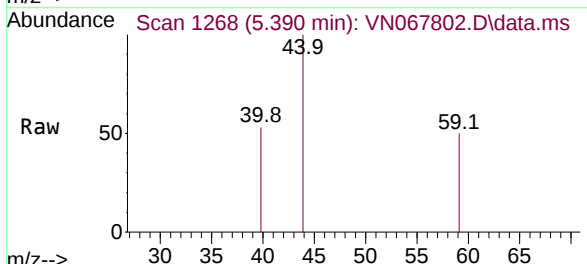
Instrument :
MSVOA_N
ClientSampled :

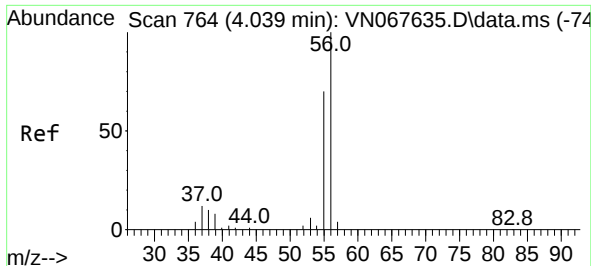
Tgt Ion: 64 Resp: 211
Ion Ratio Lower Upper
64 100
66 0.0 24.7 37.1#



#11
Tert butyl alcohol
Concen: 0.382 ug/l
RT: 5.390 min Scan# 1268
Delta R.T. 0.000 min
Lab File: VN067802.D
Acq: 19 Jul 2021 18:50

Tgt Ion: 59 Resp: 267
Ion Ratio Lower Upper
59 100
57 9.0 8.7 13.1

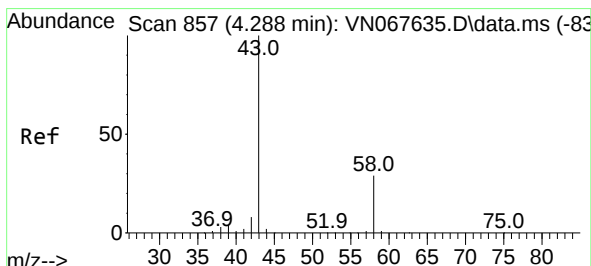
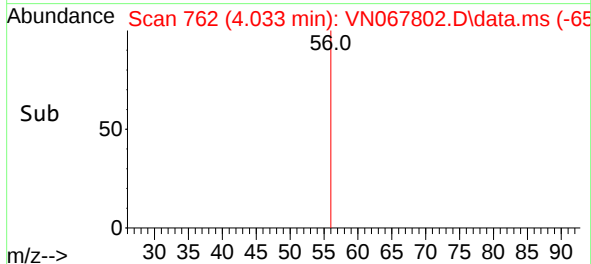
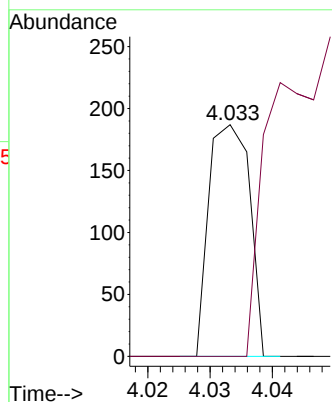
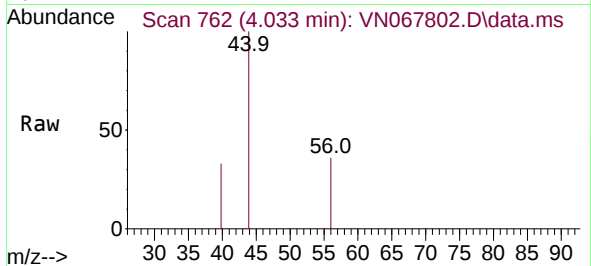




#13
Acrolein
Concen: Below Cal
RT: 4.033 min Scan# 762
Delta R.T. -0.006 min
Lab File: VN067802.D
Acq: 19 Jul 2021 18:50

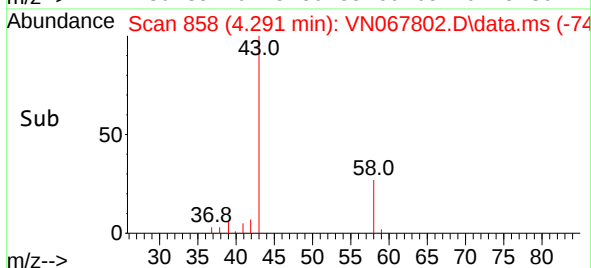
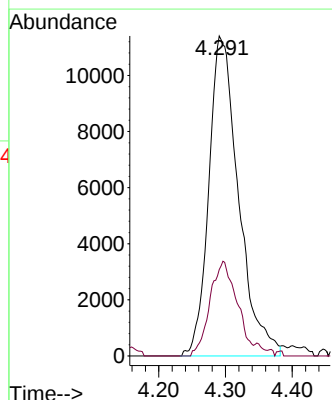
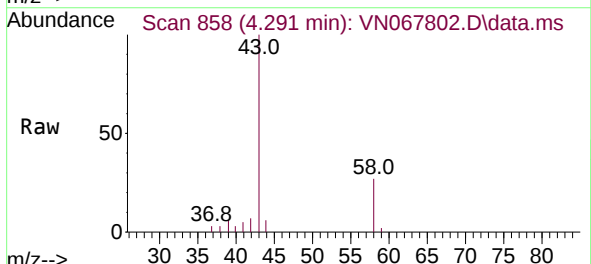
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MSVOA_N
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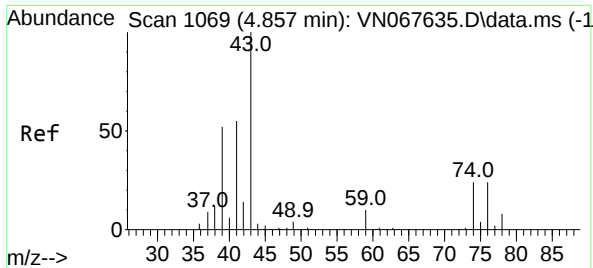
Tgt Ion: 56 Resp: 85
Ion Ratio Lower Upper
56 100
55 288.2 57.4 86.0#



#16
Acetone
Concen: 23.044 ug/l
RT: 4.291 min Scan# 858
Delta R.T. 0.003 min
Lab File: VN067802.D
Acq: 19 Jul 2021 18:50

Tgt Ion: 43 Resp: 35223
Ion Ratio Lower Upper
43 100
58 27.0 21.2 31.8

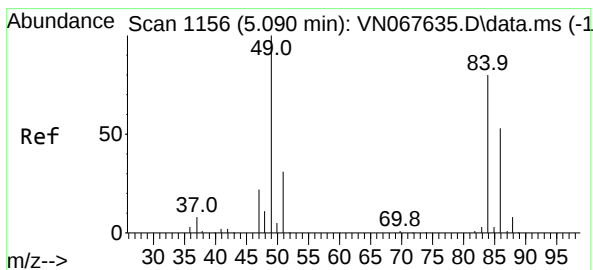
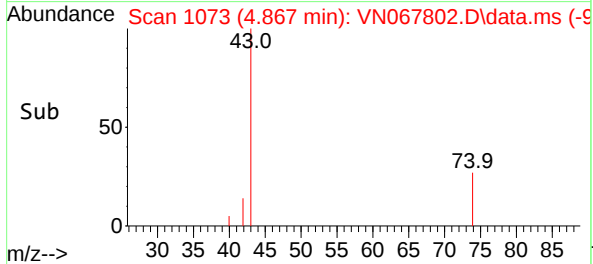
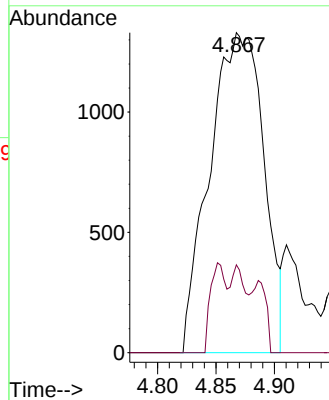
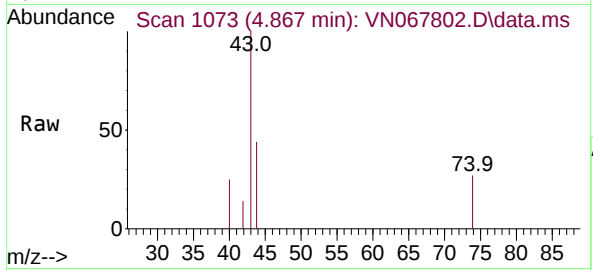




#18
Methyl Acetate
Concen: 0.998 ug/l
RT: 4.867 min Scan# 1073
Delta R.T. 0.010 min
Lab File: VN067802.D
Acq: 19 Jul 2021 18:50

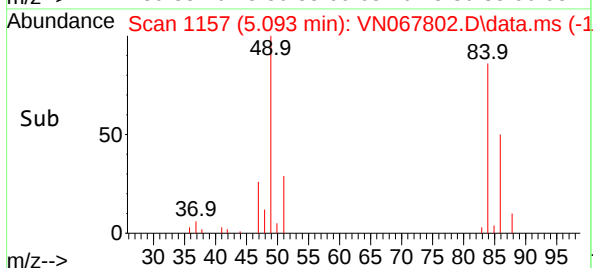
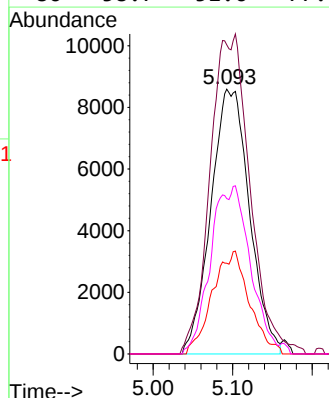
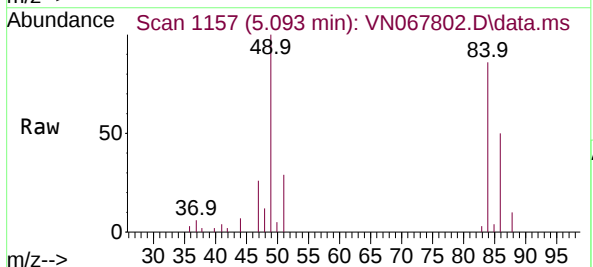
Instrument :
MSVOA_N
ClientSampled :

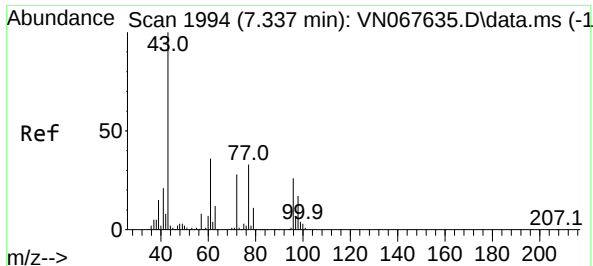
Tgt Ion: 43 Resp: 4286
Ion Ratio Lower Upper
43 100
74 2.4 17.4 26.0#



#20
Methylene Chloride
Concen: 7.526 ug/l
RT: 5.093 min Scan# 1157
Delta R.T. 0.003 min
Lab File: VN067802.D
Acq: 19 Jul 2021 18:50

Tgt Ion: 84 Resp: 28965
Ion Ratio Lower Upper
84 100
49 116.8 110.9 166.3
51 34.3 32.6 49.0
86 58.7 51.6 77.4

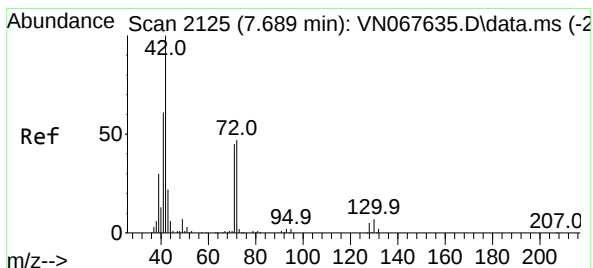
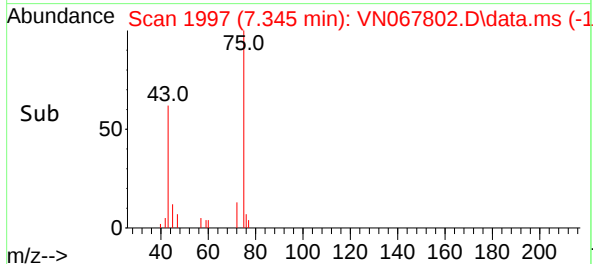
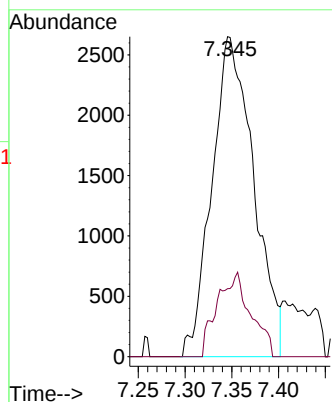
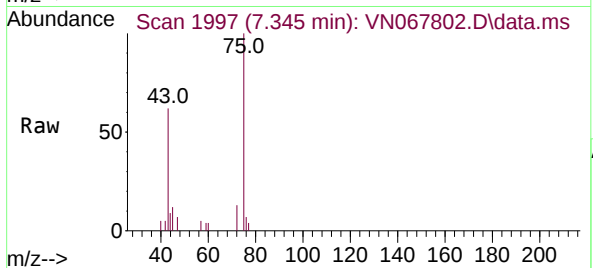




#25
2-Butanone
Concen: 3.246 ug/l
RT: 7.345 min Scan# 1997
Delta R.T. 0.008 min
Lab File: VN067802.D
Acq: 19 Jul 2021 18:50

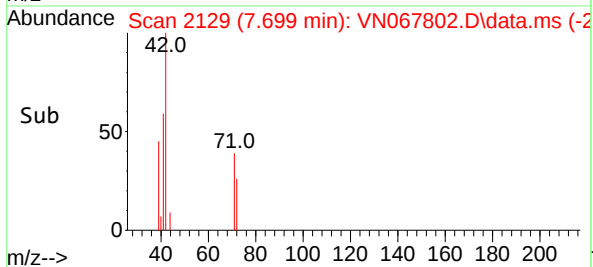
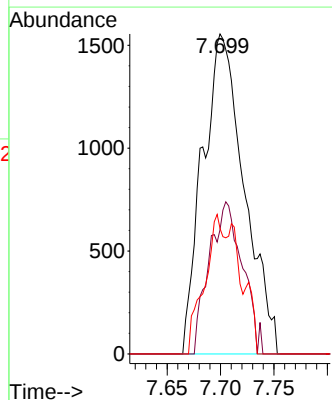
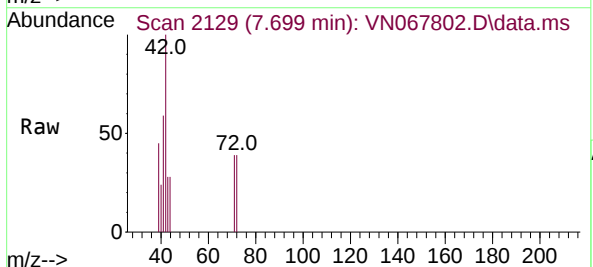
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MSVOA_N
ClientSampled :

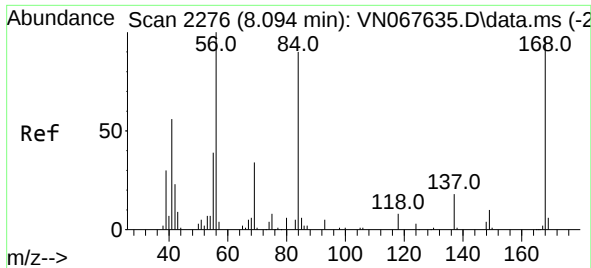
Tgt Ion: 43 Resp: 8239
Ion Ratio Lower Upper
43 100
72 21.2 19.7 29.5



#29
Tetrahydrofuran
Concen: 2.523 ug/l
RT: 7.699 min Scan# 2129
Delta R.T. 0.010 min
Lab File: VN067802.D
Acq: 19 Jul 2021 18:50

Tgt Ion: 42 Resp: 4211
Ion Ratio Lower Upper
42 100
72 38.0 32.8 49.2
71 21.2 31.2 46.8#

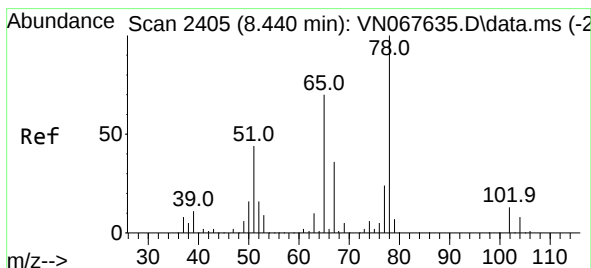
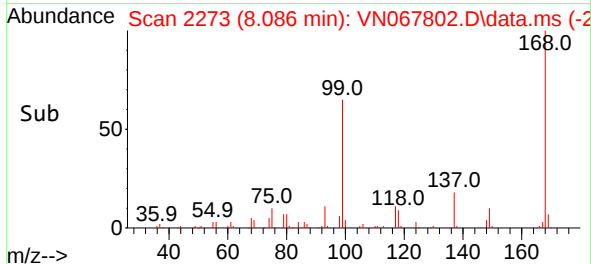
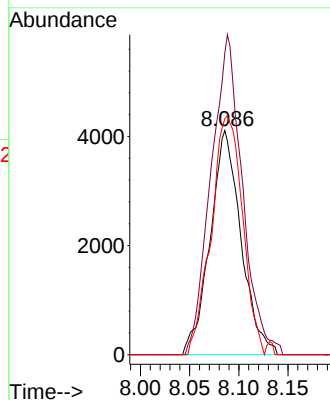
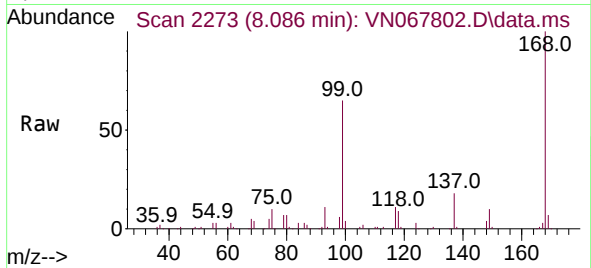




#31
Cyclohexane
Concen: 1.319 ug/l
RT: 8.086 min Scan# 2273
Delta R.T. -0.008 min
Lab File: VN067802.D
Acq: 19 Jul 2021 18:50

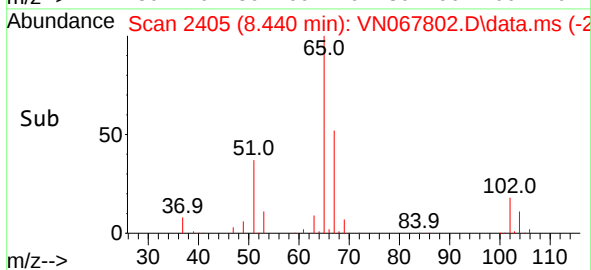
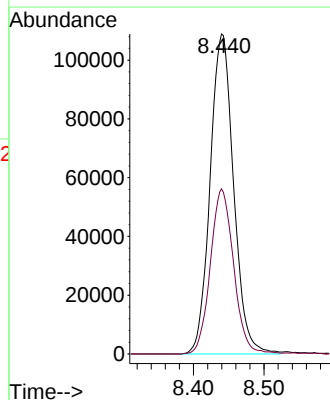
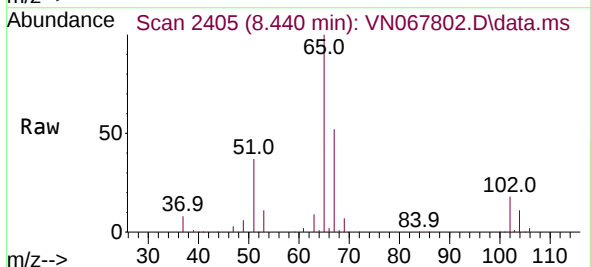
Instrument :
MSVOA_N
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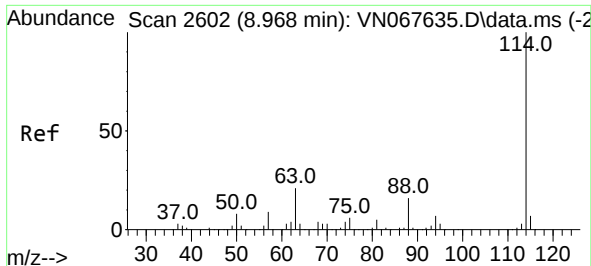
Tgt Ion: 56 Resp: 8981
Ion Ratio Lower Upper
56 100
69 134.7 27.3 40.9#
84 105.2 64.9 97.3#



#33
1,2-Dichloroethane-d4
Concen: 51.899 ug/l
RT: 8.440 min Scan# 2405
Delta R.T. -0.000 min
Lab File: VN067802.D
Acq: 19 Jul 2021 18:50

Tgt Ion: 65 Resp: 252112
Ion Ratio Lower Upper
65 100
67 51.1 0.0 98.6

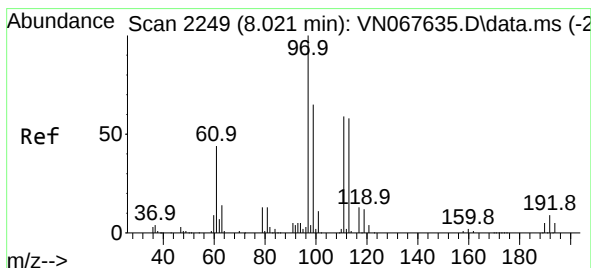
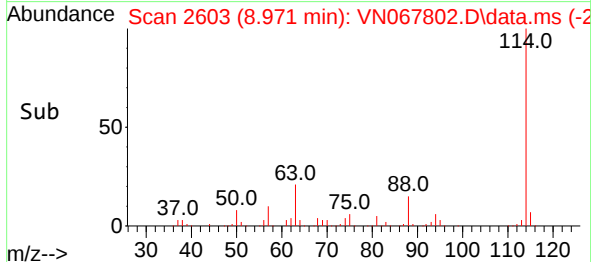
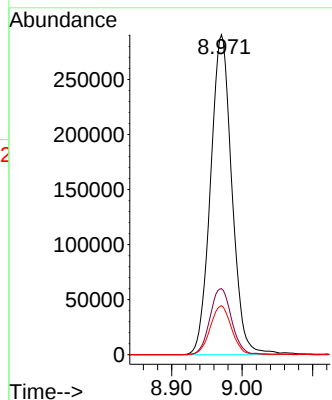
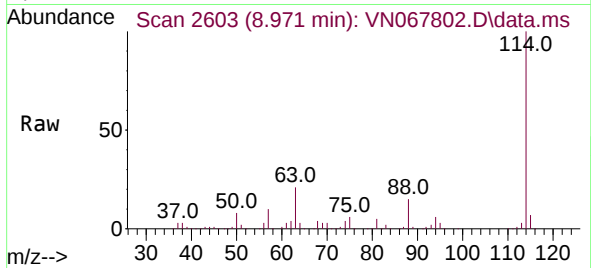




#34
1,4-Difluorobenzene
Concen: 50.000 ug/l
RT: 8.971 min Scan# 2603
Delta R.T. 0.003 min
Lab File: VN067802.D
Acq: 19 Jul 2021 18:50

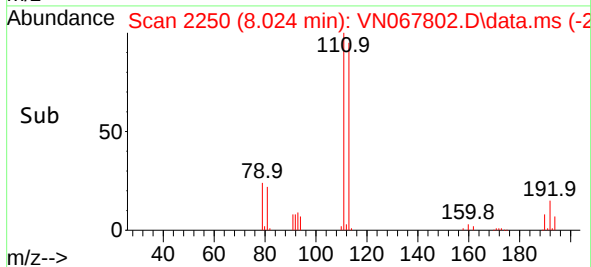
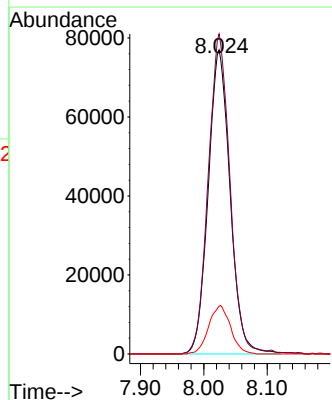
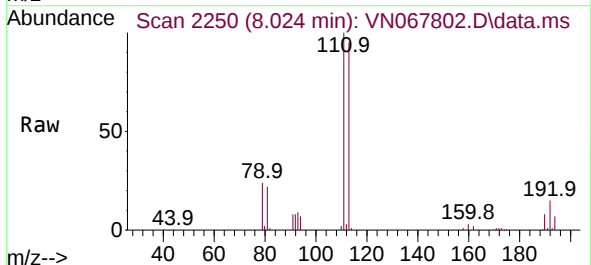
Instrument :
MSVOA_N
ClientSampled :

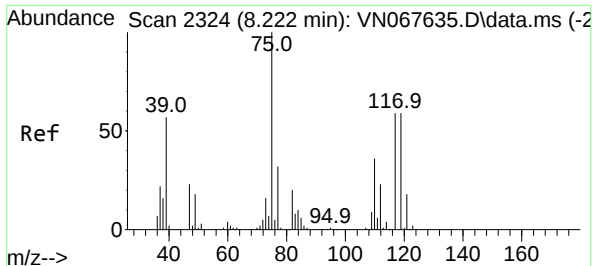
Tgt Ion:114 Resp: 610736
Ion Ratio Lower Upper
114 100
63 20.7 0.0 49.0
88 15.3 0.0 36.6



#35
Dibromofluoromethane
Concen: 49.977 ug/l
RT: 8.024 min Scan# 2250
Delta R.T. 0.003 min
Lab File: VN067802.D
Acq: 19 Jul 2021 18:50

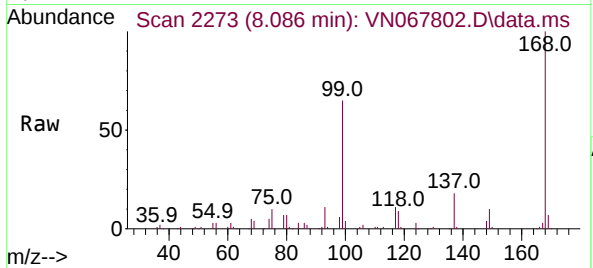
Tgt Ion:113 Resp: 184410
Ion Ratio Lower Upper
113 100
111 104.4 83.8 125.8
192 16.0 13.4 20.0



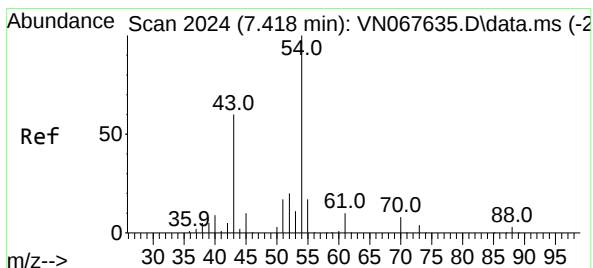
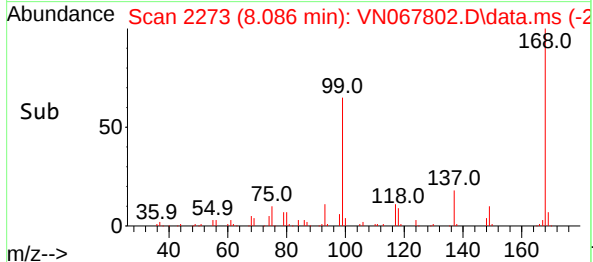
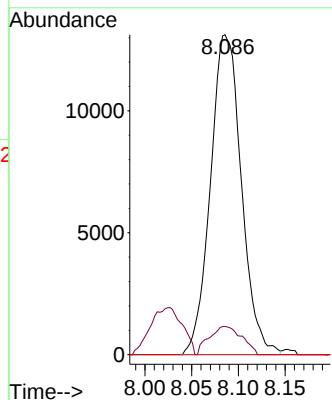


#36
 1,1-Dichloropropene
 Concen: 5.335 ug/l
 RT: 8.086 min Scan# 2273
 Delta R.T. -0.136 min
 Lab File: VN067802.D
 Acq: 19 Jul 2021 18:50

Instrument :
 MSVOA_N
 ClientSampled :

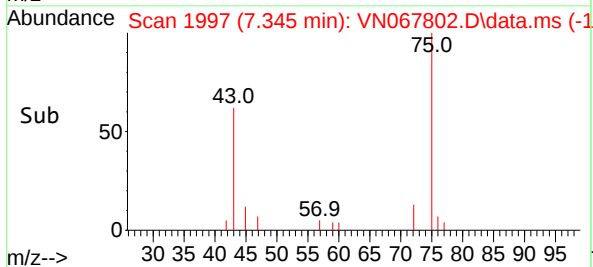
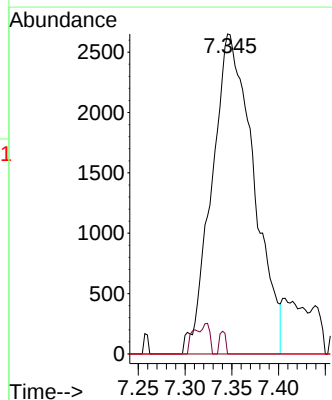
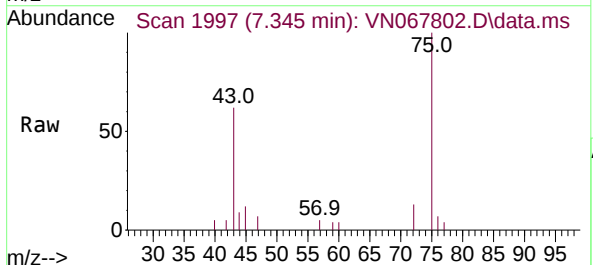


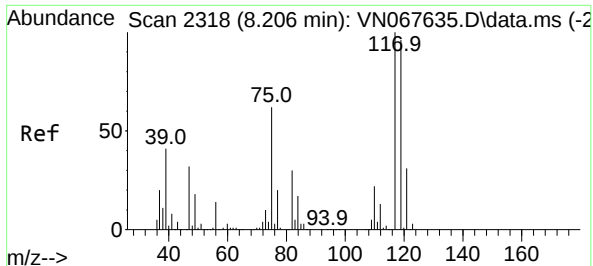
Tgt Ion: 75 Resp: 30264
 Ion Ratio Lower Upper
 75 100
 110 9.3 15.7 47.0#
 77 0.0 24.6 37.0#



#37
 Ethyl Acetate
 Concen: 1.499 ug/l
 RT: 7.345 min Scan# 1997
 Delta R.T. -0.073 min
 Lab File: VN067802.D
 Acq: 19 Jul 2021 18:50

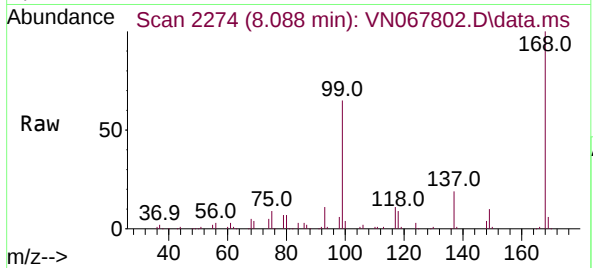
Tgt Ion: 43 Resp: 8239
 Ion Ratio Lower Upper
 43 100
 61 1.0 10.6 16.0#
 70 0.0 8.1 12.1#



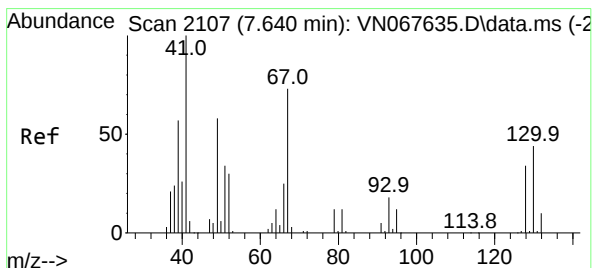
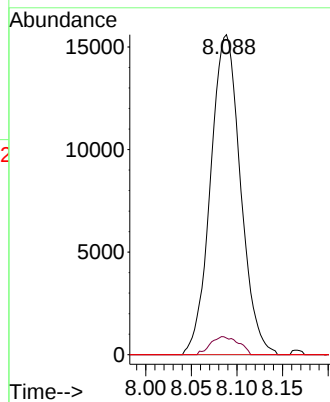
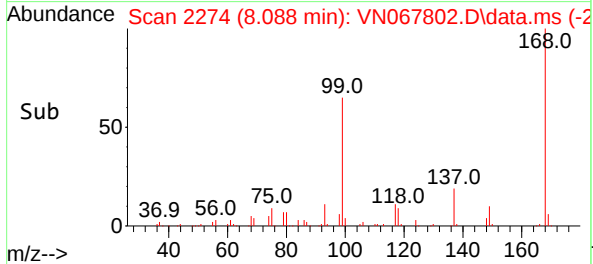


#38
Carbon Tetrachloride
Concen: 6.373 ug/l
RT: 8.088 min Scan# 2274
Delta R.T. -0.118 min
Lab File: VN067802.D
Acq: 19 Jul 2021 18:50

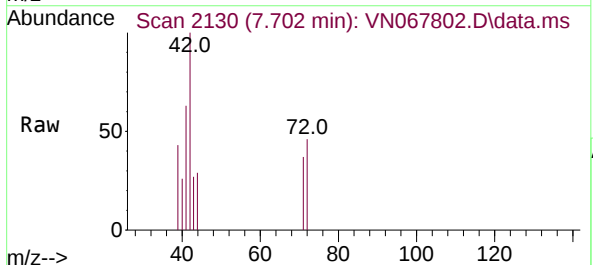
Instrument :
MSVOA_N
ClientSampled :



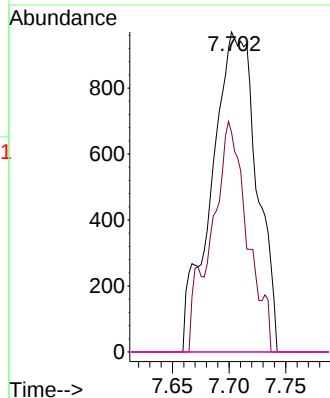
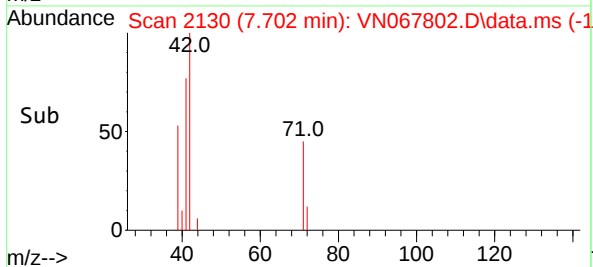
Tgt Ion:117 Resp: 35663
Ion Ratio Lower Upper
117 100
119 5.2 75.4 113.2#
121 0.0 23.5 35.3#

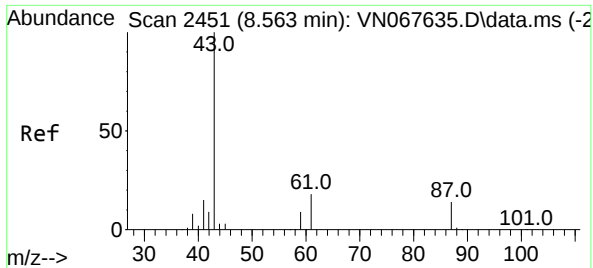


#41
Methacrylonitrile
Concen: 0.956 ug/l
RT: 7.702 min Scan# 2130
Delta R.T. 0.062 min
Lab File: VN067802.D
Acq: 19 Jul 2021 18:50



Tgt Ion: 41 Resp: 2701
Ion Ratio Lower Upper
41 100
39 50.4 47.6 71.4
67 0.0 57.7 86.5#
52 0.0 26.2 39.4#

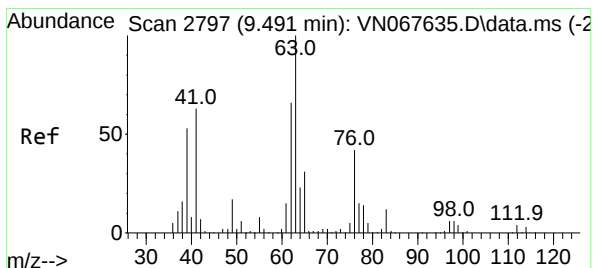
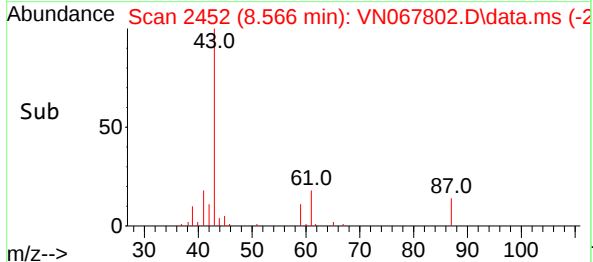
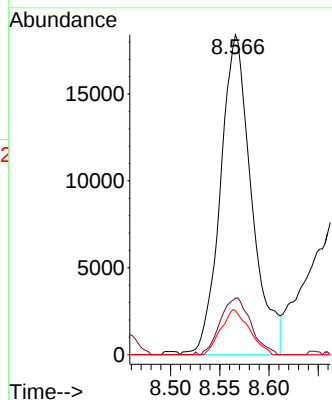
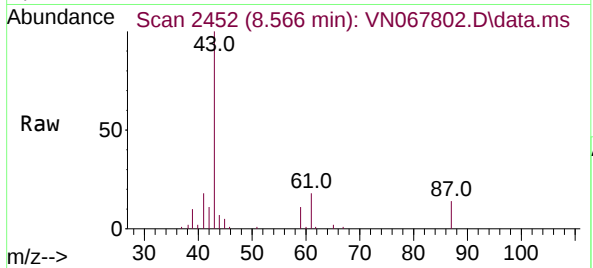




#43
Isopropyl Acetate
Concen: 4.193 ug/l
RT: 8.566 min Scan# 2452
Delta R.T. 0.003 min
Lab File: VN067802.D
Acq: 19 Jul 2021 18:50

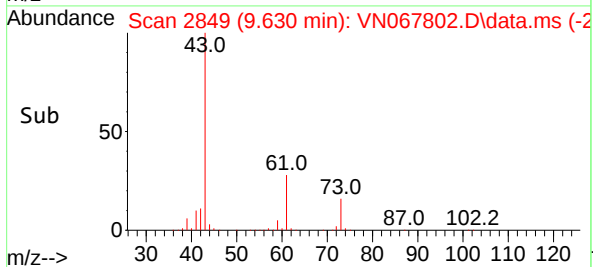
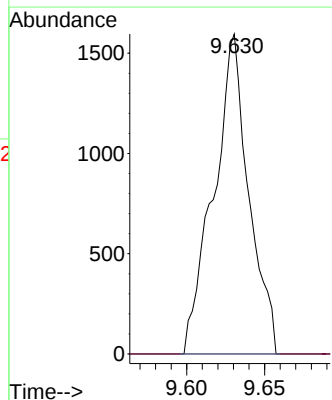
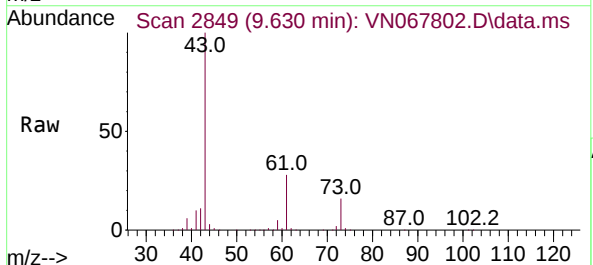
Instrument :
MSVOA_N
ClientSampled :

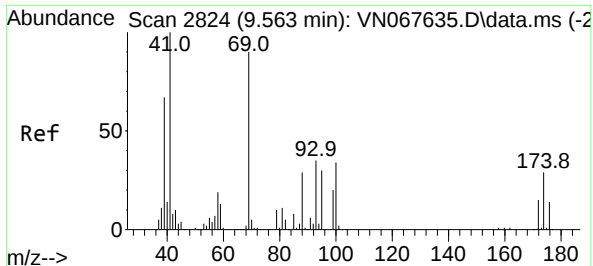
Tgt Ion	Ratio	Lower	Upper
43	100		
61	17.4	19.0	28.4#
87	12.8	9.5	14.3



#45
1,2-Dichloropropane
Concen: 0.583 ug/l
RT: 9.630 min Scan# 2849
Delta R.T. 0.139 min
Lab File: VN067802.D
Acq: 19 Jul 2021 18:50

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

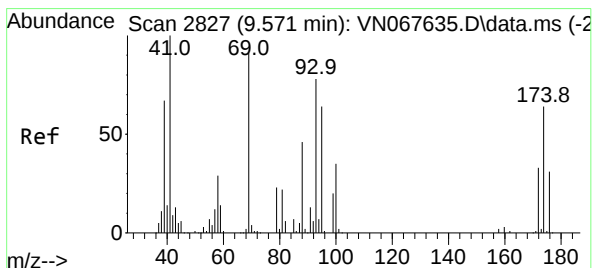
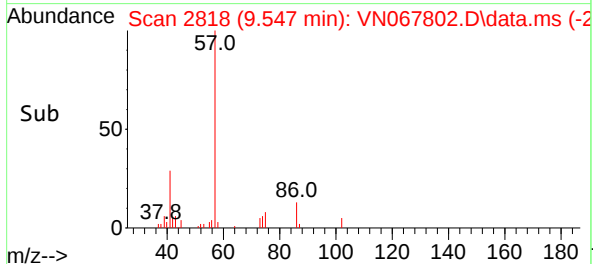
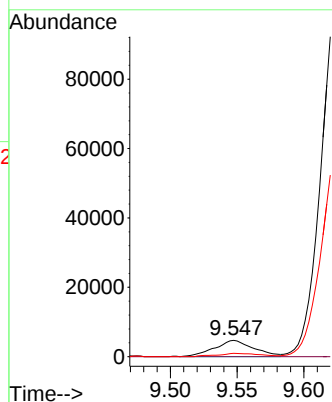
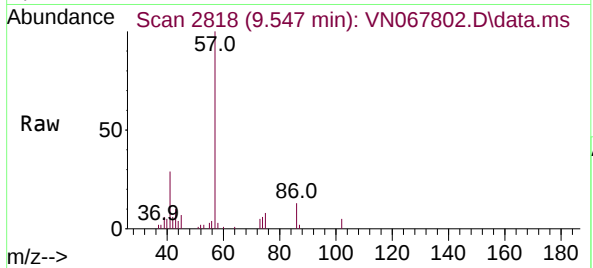




#48
Methyl methacrylate
Concen: 2.251 ug/l
RT: 9.547 min Scan# 2818
Delta R.T. -0.016 min
Lab File: VN067802.D
Acq: 19 Jul 2021 18:50

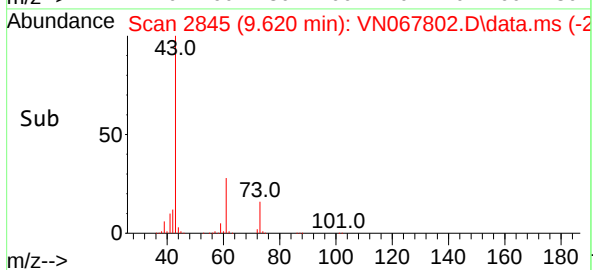
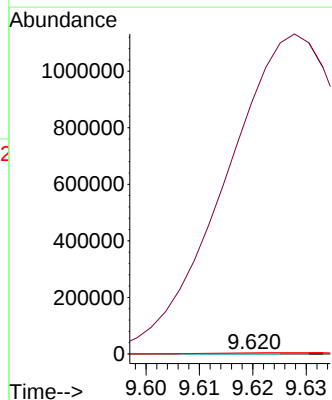
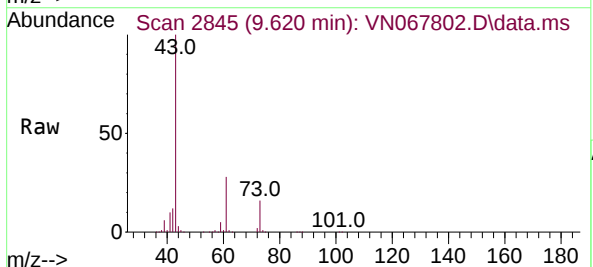
Instrument :
MSVOA_N
ClientSampled :

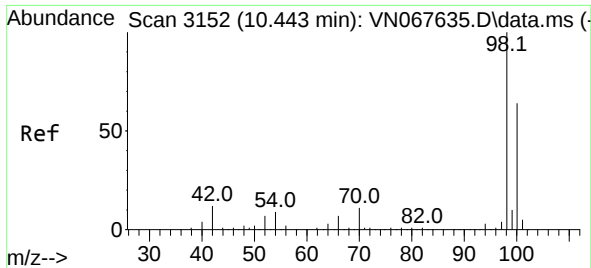
Tgt Ion: 41 Resp: 9627
Ion Ratio Lower Upper
41 100
69 0.0 64.6 96.8#
39 0.0 53.3 79.9#



#49
1,4-Dioxane
Concen: 33.271 ug/l
RT: 9.620 min Scan# 2845
Delta R.T. 0.049 min
Lab File: VN067802.D
Acq: 19 Jul 2021 18:50

Tgt Ion: 88 Resp: 100
Ion Ratio Lower Upper
88 100
43 2093592.0 28.8 43.2#
58 9445.0 60.4 90.6#

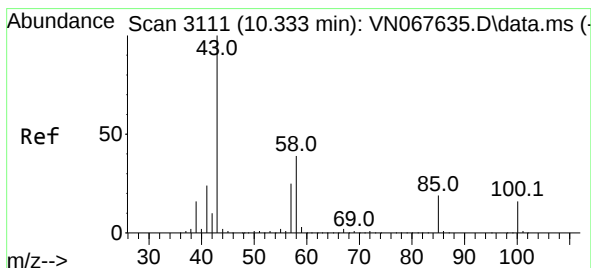
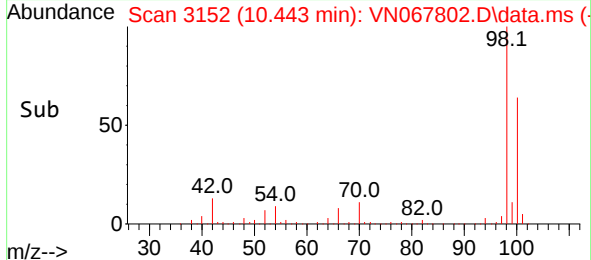
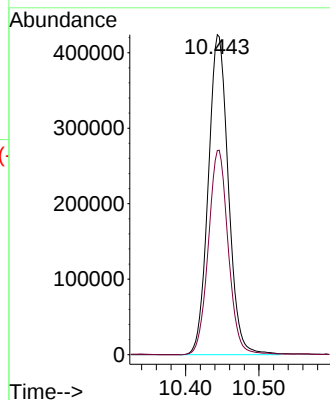
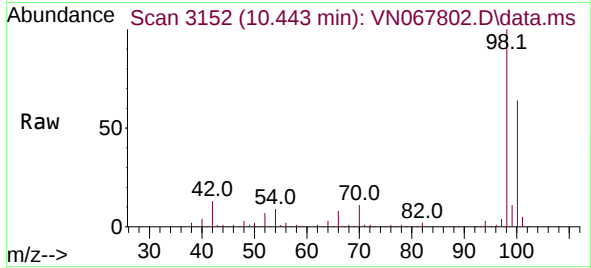




#50
Toluene-d8
Concen: 52.237 ug/l
RT: 10.443 min Scan# 3152
Delta R.T. 0.000 min
Lab File: VN067802.D
Acq: 19 Jul 2021 18:50

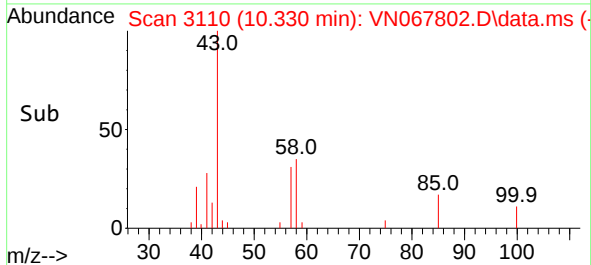
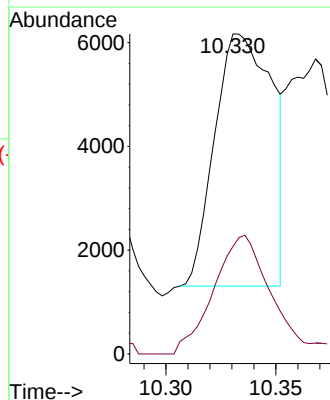
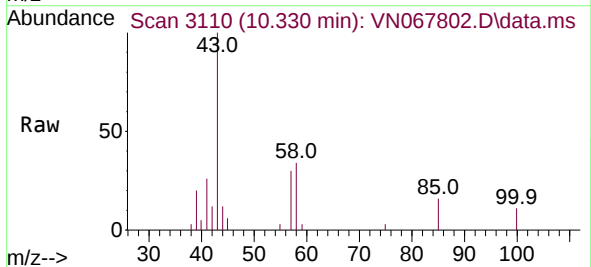
Instrument :
MSVOA_N
ClientSampled :

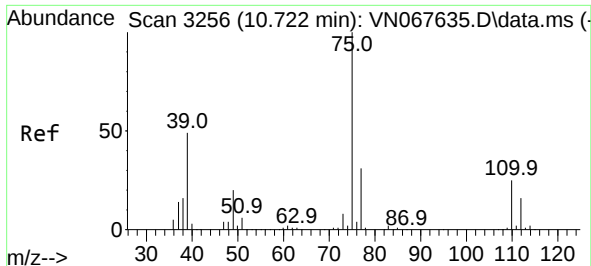
Tgt Ion: 98 Resp: 806800
Ion Ratio Lower Upper
98 100
100 63.3 51.7 77.5



#51
4-Methyl-2-Pentanone
Concen: 1.489 ug/l
RT: 10.330 min Scan# 3110
Delta R.T. -0.003 min
Lab File: VN067802.D
Acq: 19 Jul 2021 18:50

Tgt Ion: 43 Resp: 8843
Ion Ratio Lower Upper
43 100
58 46.9 28.6 43.0#

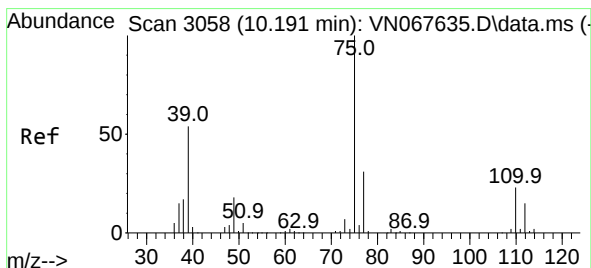
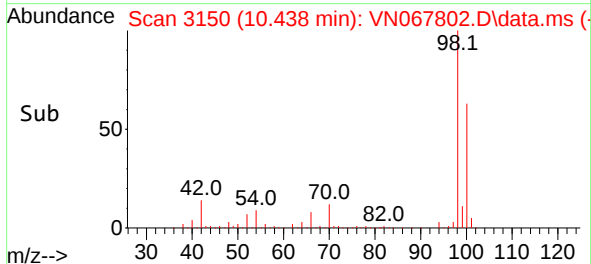
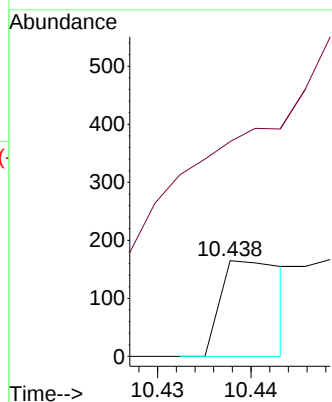
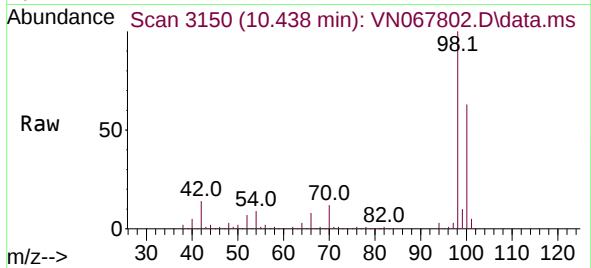




#53
t-1,3-Dichloropropene
Concen: 1.755 ug/l
RT: 10.438 min Scan# 3150
Delta R.T. -0.284 min
Lab File: VN067802.D
Acq: 19 Jul 2021 18:50

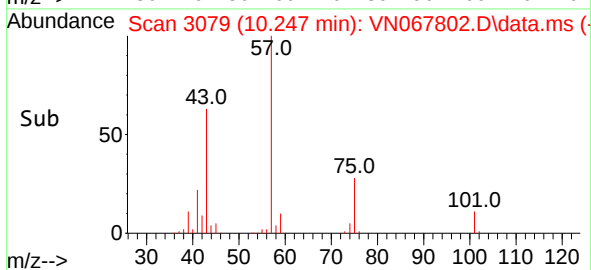
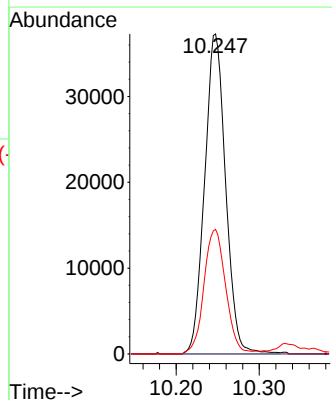
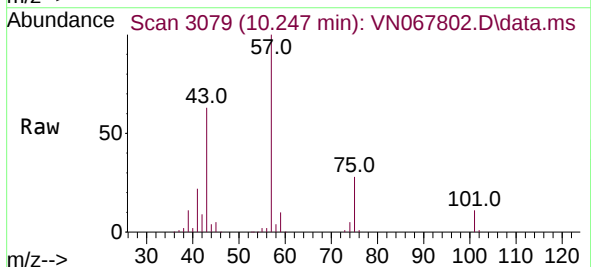
Instrument :
MSVOA_N
ClientSampled :

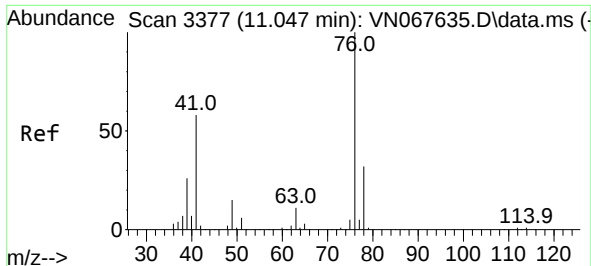
Tgt Ion: 75 Resp: 77
Ion Ratio Lower Upper
75 100
77 34.5 25.1 37.7



#54
cis-1,3-Dichloropropene
Concen: 9.864 ug/l
RT: 10.247 min Scan# 3079
Delta R.T. 0.056 min
Lab File: VN067802.D
Acq: 19 Jul 2021 18:50

Tgt Ion: 75 Resp: 65421
Ion Ratio Lower Upper
75 100
77 0.0 24.6 37.0#
39 38.9 50.7 76.1#

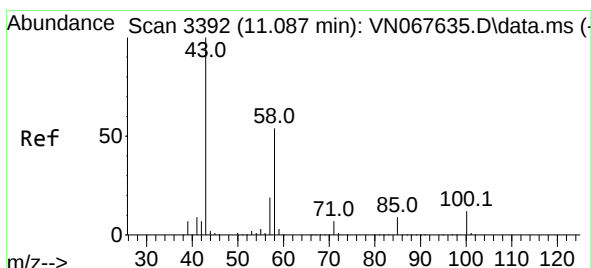
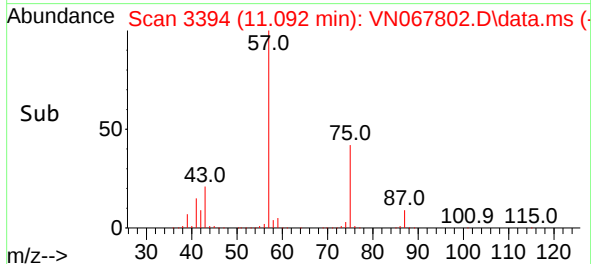
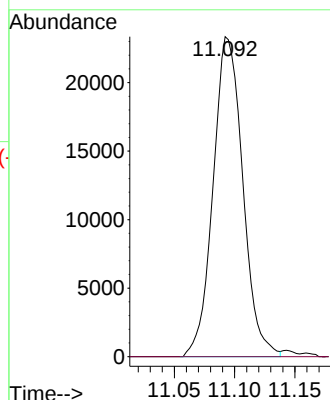
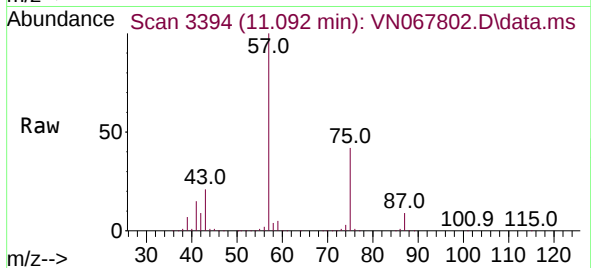




#57
1,3-Dichloropropane
Concen: 5.465 ug/l
RT: 11.092 min Scan# 3394
Delta R.T. 0.045 min
Lab File: VN067802.D
Acq: 19 Jul 2021 18:50

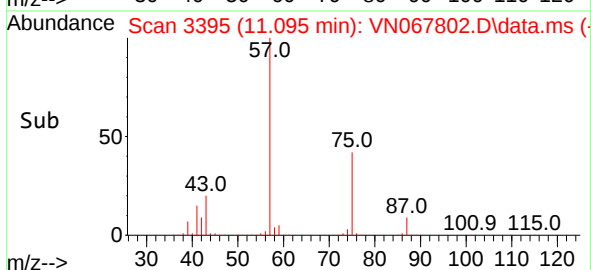
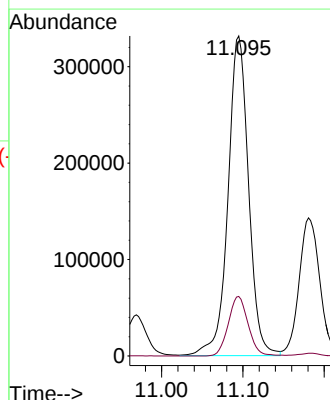
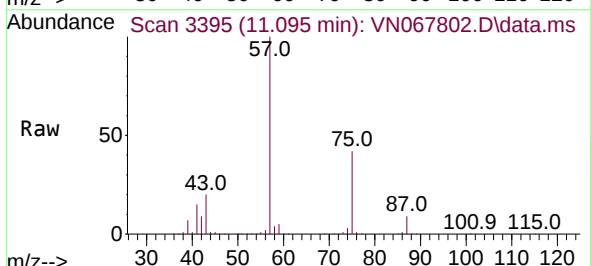
Instrument :
MSVOA_N
ClientSampleId :

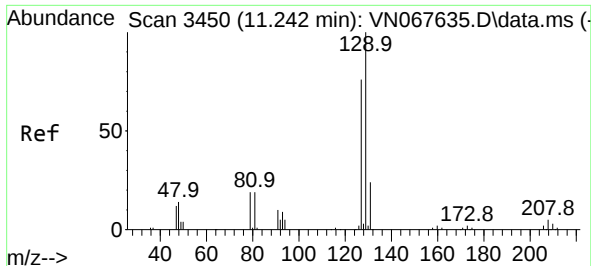
Tgt Ion: 76 Resp: 39952
Ion Ratio Lower Upper
76 100
78 0.0 25.7 38.5#



#59
2-Hexanone
Concen: 140.924 ug/l
RT: 11.095 min Scan# 3395
Delta R.T. 0.008 min
Lab File: VN067802.D
Acq: 19 Jul 2021 18:50

Tgt Ion: 43 Resp: 584325
Ion Ratio Lower Upper
43 100
58 18.0 24.7 74.1#

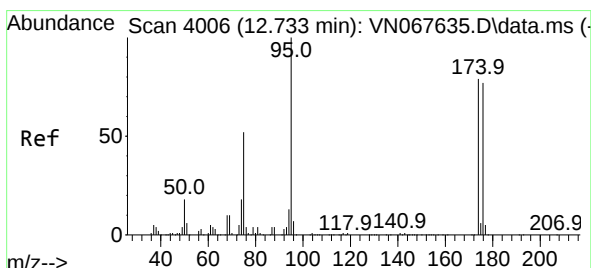
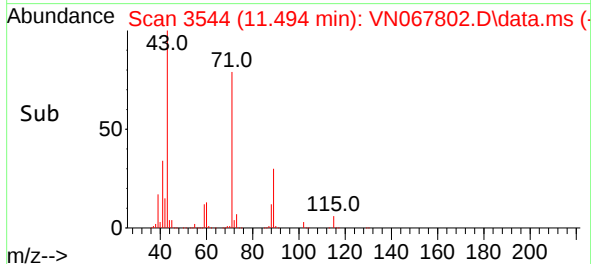
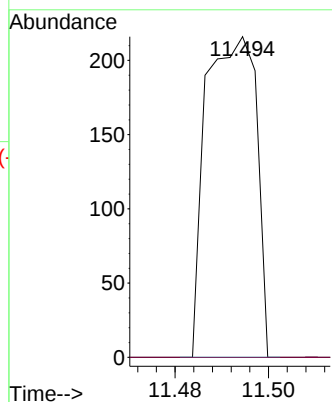
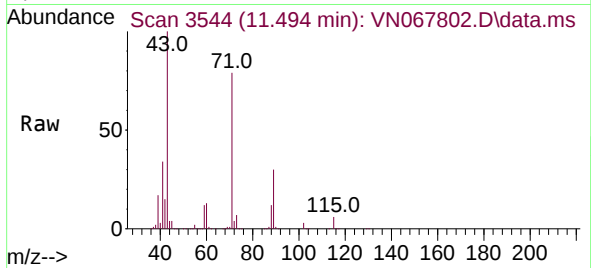




#60
Dibromochloromethane
Concen: 2.386 ug/l
RT: 11.494 min Scan# 3544
Delta R.T. 0.252 min
Lab File: VN067802.D
Acq: 19 Jul 2021 18:50

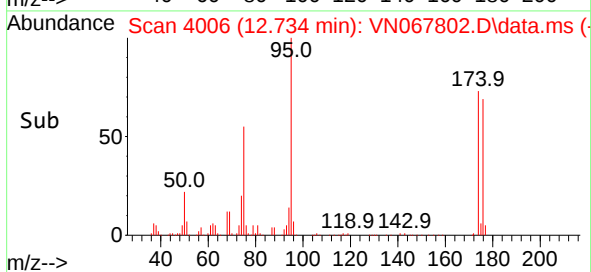
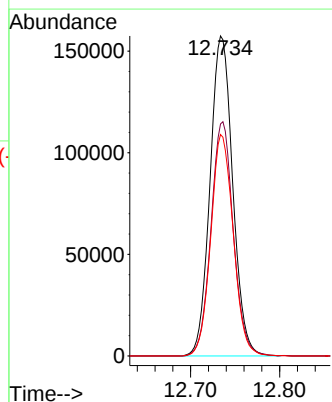
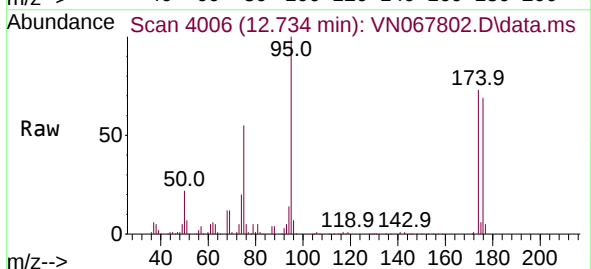
Instrument :
MSVOA_N
ClientSampled :

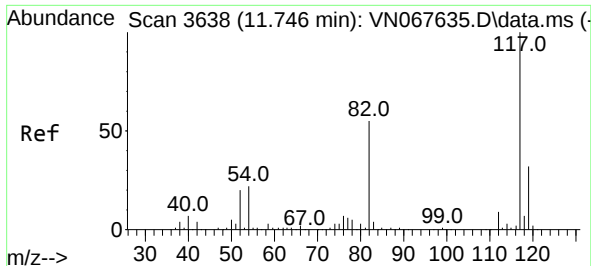
Tgt Ion:129 Resp: 161
Ion Ratio Lower Upper
129 100
127 0.0 38.6 115.8#



#62
4-Bromofluorobenzene
Concen: 51.041 ug/l
RT: 12.734 min Scan# 4006
Delta R.T. 0.001 min
Lab File: VN067802.D
Acq: 19 Jul 2021 18:50

Tgt Ion: 95 Resp: 278485
Ion Ratio Lower Upper
95 100
174 72.4 0.0 122.0
176 68.7 0.0 117.6

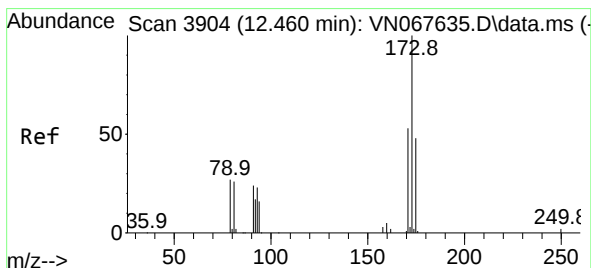
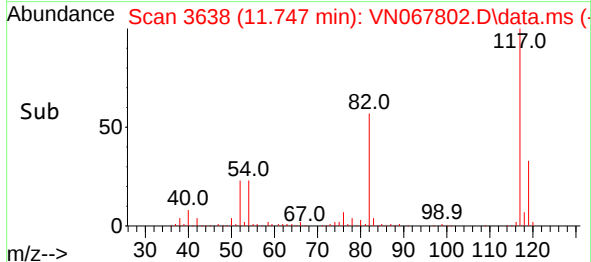
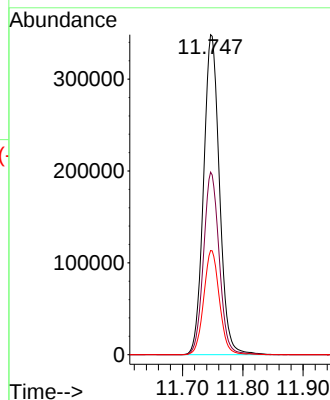
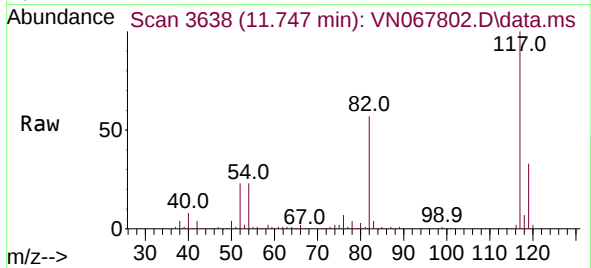




#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 11.747 min Scan# 3638
Delta R.T. 0.000 min
Lab File: VN067802.D
Acq: 19 Jul 2021 18:50

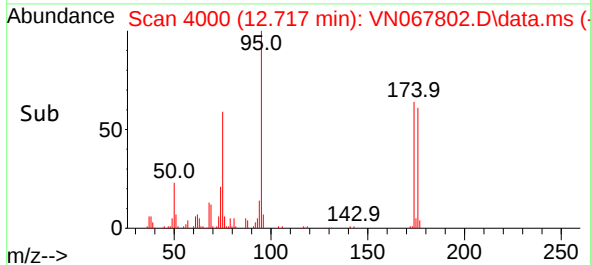
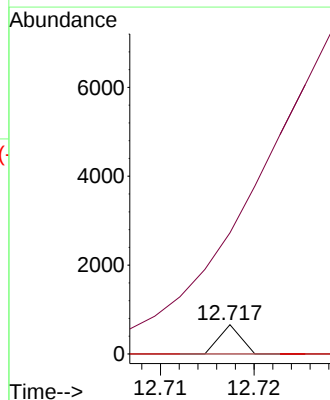
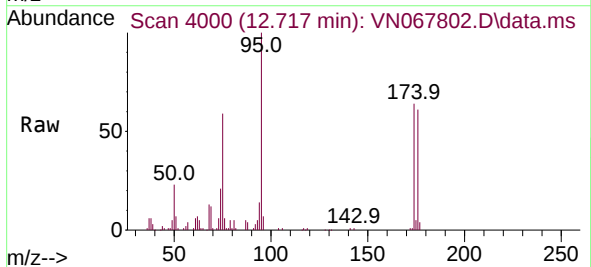
Instrument :
MSVOA_N
ClientSampleId :

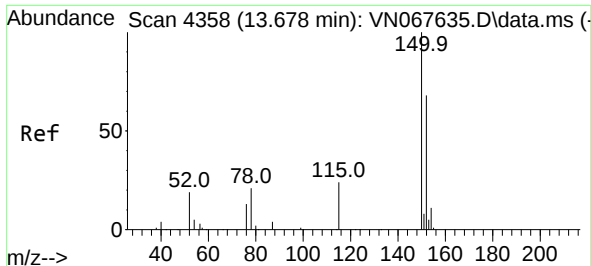
Tgt Ion:117 Resp: 637969
Ion Ratio Lower Upper
117 100
82 57.0 53.1 79.7
119 32.5 25.5 38.3



#71
Bromoform
Concen: 3.200 ug/l
RT: 12.717 min Scan# 4000
Delta R.T. 0.257 min
Lab File: VN067802.D
Acq: 19 Jul 2021 18:50

Tgt Ion:173 Resp: 106
Ion Ratio Lower Upper
173 100
175 13355.7 23.9 71.8#
254 0.0 0.0 0.0

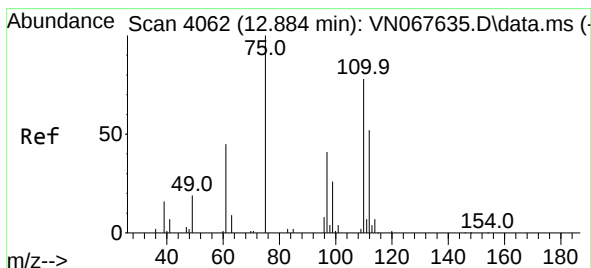
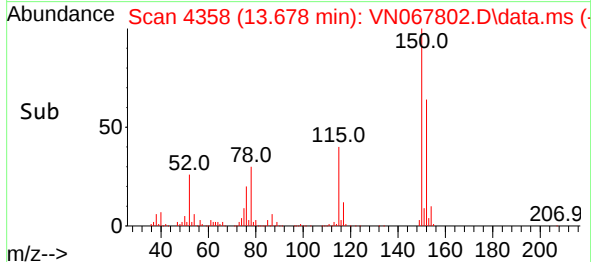
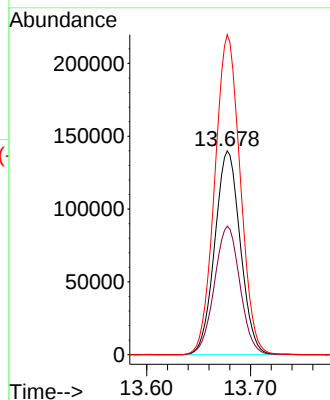
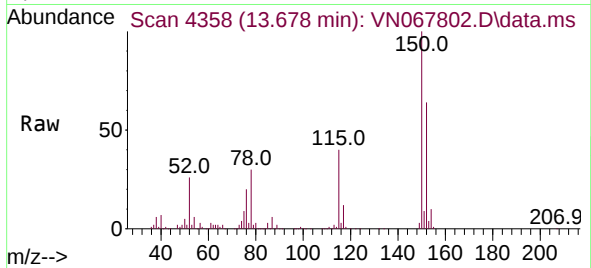




#72
 1,4-Dichlorobenzene-d4
 Concen: 50.000 ug/l
 RT: 13.678 min Scan# 4358
 Delta R.T. 0.000 min
 Lab File: VN067802.D
 Acq: 19 Jul 2021 18:50

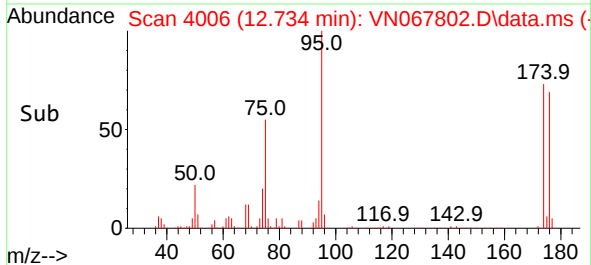
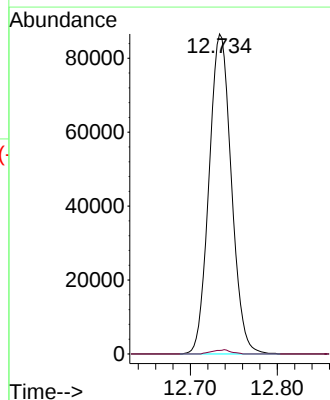
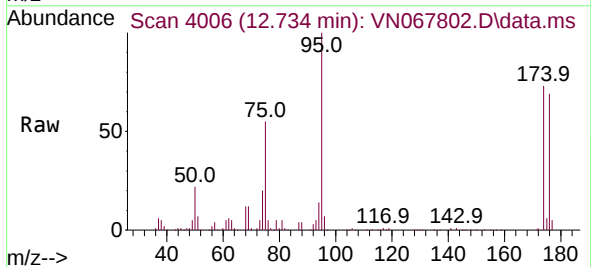
Instrument :
 MSVOA_N
 ClientSampled :

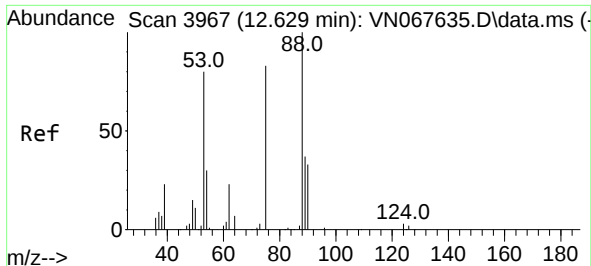
Tgt Ion:152 Resp: 238663
 Ion Ratio Lower Upper
 152 100
 115 63.4 36.1 108.5
 150 157.1 0.0 351.8



#76
 1,2,3-Trichloropropane
 Concen: 31.693 ug/l
 RT: 12.734 min Scan# 4006
 Delta R.T. -0.150 min
 Lab File: VN067802.D
 Acq: 19 Jul 2021 18:50

Tgt Ion: 75 Resp: 154471
 Ion Ratio Lower Upper
 75 100
 77 1.1 0.0 0.0#

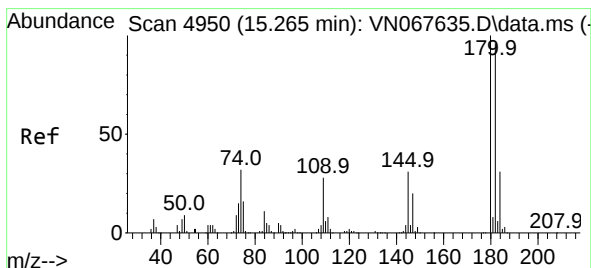
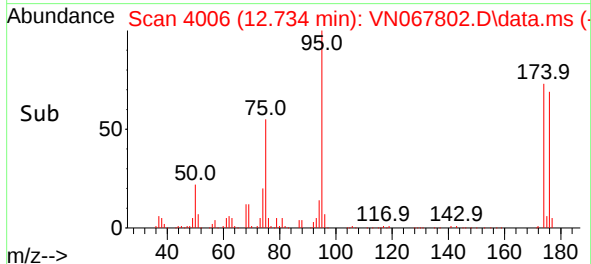
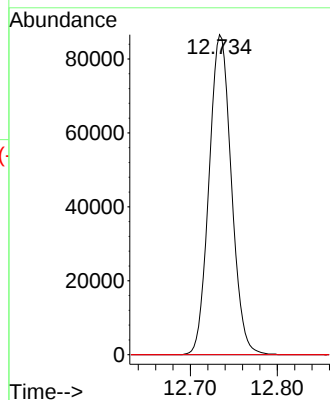
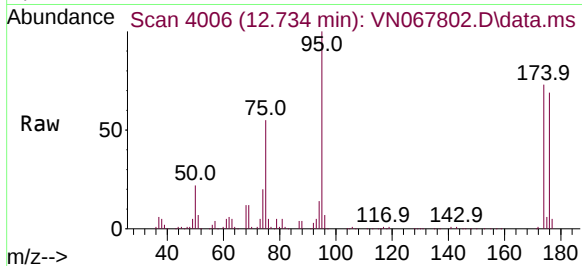




#81
trans-1,4-Dichloro-2-butene
Concen: 102.182 ug/l
RT: 12.734 min Scan# 4006
Delta R.T. 0.105 min
Lab File: VN067802.D
Acq: 19 Jul 2021 18:50

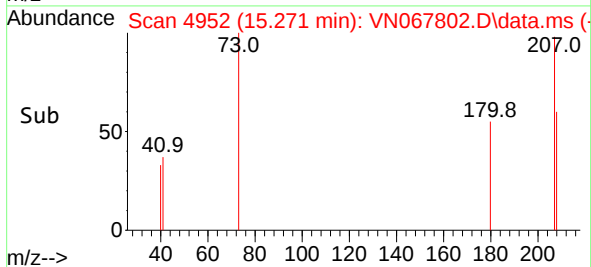
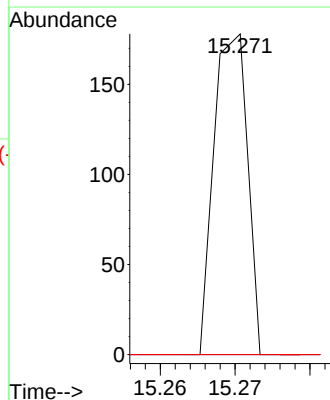
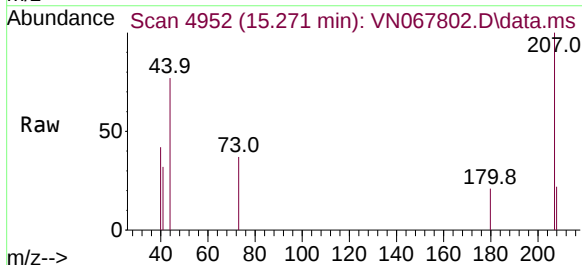
Instrument :
MSVOA_N
ClientSampled :

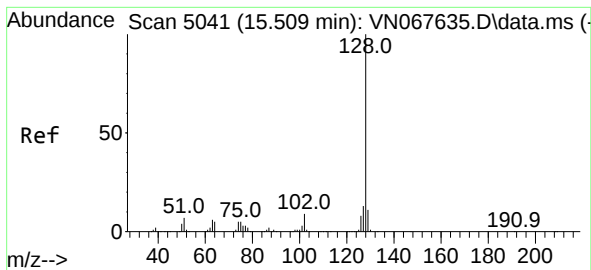
Tgt Ion: 75 Resp: 154471
Ion Ratio Lower Upper
75 100
53 0.0 87.6 131.4#
89 0.0 37.8 56.8#



#93
1,2,4-Trichlorobenzene
Concen: 2.687 ug/l
RT: 15.271 min Scan# 4952
Delta R.T. 0.006 min
Lab File: VN067802.D
Acq: 19 Jul 2021 18:50

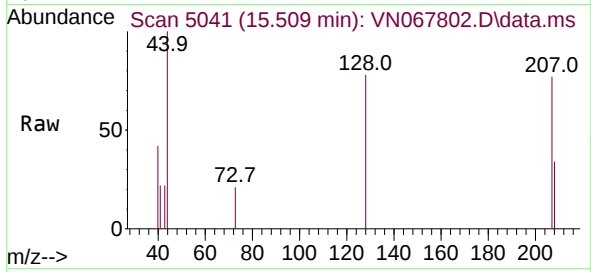
Tgt Ion:180 Resp: 55
Ion Ratio Lower Upper
180 100
182 0.0 47.5 142.5#
145 0.0 17.2 51.6#





#95
Naphthalene
Concen: 3.087 ug/l
RT: 15.509 min Scan# 5041
Delta R.T. 0.000 min
Lab File: VN067802.D
Acq: 19 Jul 2021 18:50

Instrument :
MSVOA_N
ClientSampleId :



Tgt Ion:128 Resp: 927
Ion Ratio Lower Upper
128 100
127 0.0 10.6 15.8#
129 0.0 8.6 12.8#

