

Data Path : Z:\voasrv\HPCHEM1\MSVOA_N\Data\VN071921\
 Data File : VN067805.D
 Acq On : 19 Jul 2021 20:03
 Operator : JC/MD
 Sample : M3088-10
 Misc : 5.00mL/MSVOA_N/WATER
 ALS Vial : 21 Sample Multiplier: 1

Instrument :
 MSVOA_N
 ClientSampleId :

Quant Time: Jul 20 04:54:50 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)

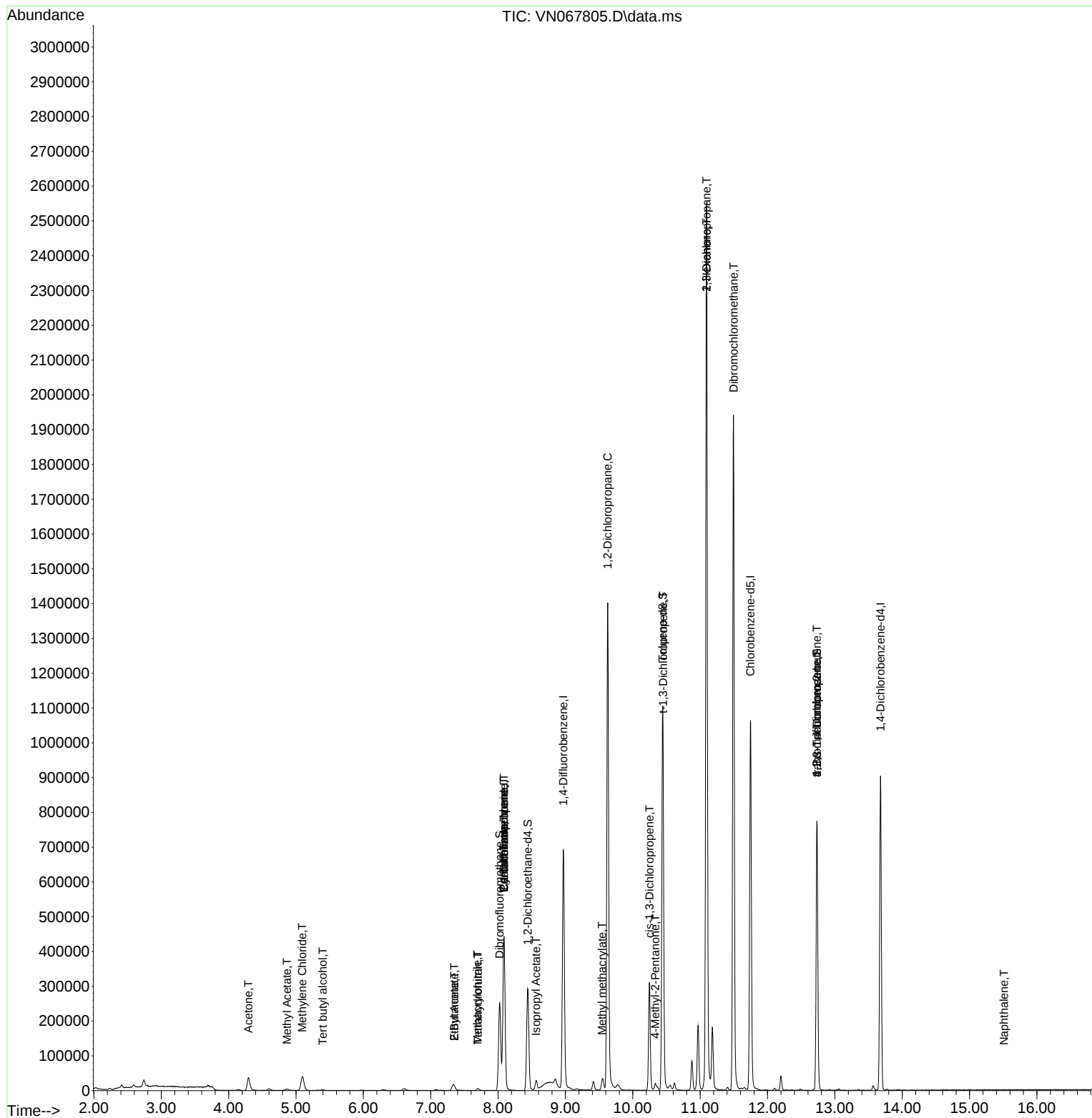
Internal Standards						
1) Pentafluorobenzene	8.088	168	316874	50.000	ug/l	0.00
34) 1,4-Difluorobenzene	8.968	114	596628	50.000	ug/l	0.00
63) Chlorobenzene-d5	11.746	117	616258	50.000	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.678	152	231939	50.000	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	8.440	65	250163	52.238	ug/l	0.00
Spiked Amount	50.000	Range 61 - 141	Recovery	= 104.480%		
35) Dibromofluoromethane	8.024	113	180092	49.961	ug/l	0.00
Spiked Amount	50.000	Range 69 - 133	Recovery	= 99.920%		
50) Toluene-d8	10.443	98	781940	51.824	ug/l	0.00
Spiked Amount	50.000	Range 65 - 126	Recovery	= 103.640%		
62) 4-Bromofluorobenzene	12.733	95	269135	50.494	ug/l	0.00
Spiked Amount	50.000	Range 58 - 135	Recovery	= 100.980%		
Target Compounds						
					Qvalue	
5) Bromomethane	2.821	94	49	Below Cal	#	4
6) Chloroethane	3.030	64	51	Below Cal	#	44
11) Tert butyl alcohol	5.396	59	3400	4.941	ug/l #	73
13) Acrolein	4.047	56	261	Below Cal	#	60
16) Acetone	4.293	43	67827	45.011	ug/l	91
18) Methyl Acetate	4.867	43	7441	1.758	ug/l #	65
20) Methylene Chloride	5.093	84	32274	8.598	ug/l	90
25) 2-Butanone	7.351	43	16802	6.715	ug/l	91
29) Tetrahydrofuran	7.702	42	3917	2.380	ug/l #	74
31) Cyclohexane	8.088	56	8533	1.271	ug/l #	32
36) 1,1-Dichloropropene	8.088	75	28347	5.115	ug/l #	52
37) Ethyl Acetate	7.351	43	16802	3.129	ug/l #	69
38) Carbon Tetrachloride	8.088	117	36001	6.586	ug/l #	17
41) Methacrylonitrile	7.694	41	1253	0.454	ug/l #	48
43) Isopropyl Acetate	8.566	43	32423	3.433	ug/l #	91
45) 1,2-Dichloropropane	9.625	63	1697	0.404	ug/l #	44
48) Methyl methacrylate	9.545	41	9579	2.293	ug/l #	12
51) 4-Methyl-2-Pentanone	10.336	43	12273	2.115	ug/l	94
53) t-1,3-Dichloropropene	10.451	75	29	1.748	ug/l #	68
54) cis-1,3-Dichloropropene	10.247	75	53874	8.315	ug/l #	61
57) 1,3-Dichloropropane	11.095	76	27380	3.834	ug/l #	43
59) 2-Hexanone	11.095	43	406014	100.236	ug/l #	54
60) Dibromochloromethane	11.497	129	109	2.377	ug/l #	11
76) 1,2,3-Trichloropropane	12.733	75	151080	31.896	ug/l #	100
81) trans-1,4-Dichloro-2-b...	12.733	75	151080	102.837	ug/l #	6
95) Naphthalene	15.512	128	473	3.051	ug/l #	69

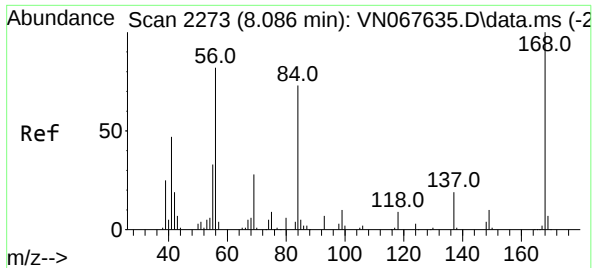
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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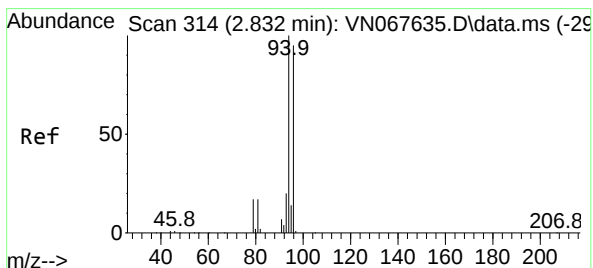
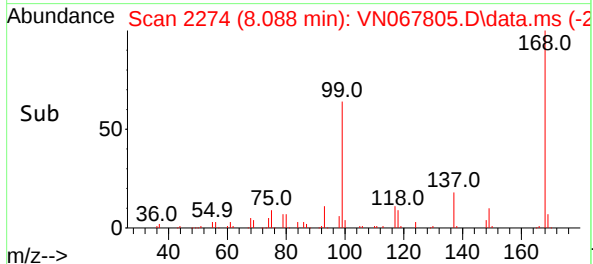
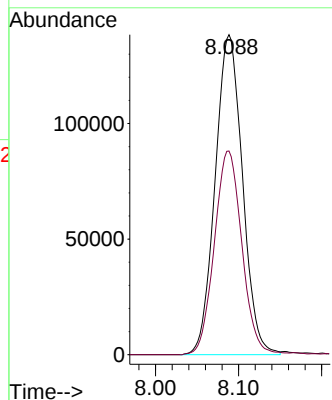
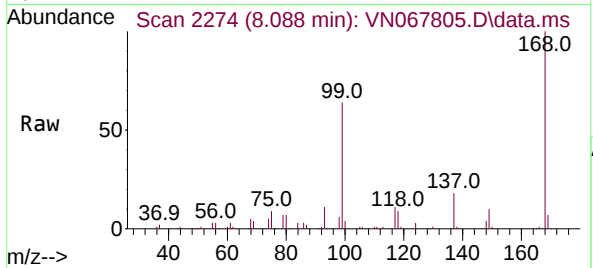




#1
Pentafluorobenzene
Concen: 50.000 ug/l
RT: 8.088 min Scan# 2274
Delta R.T. 0.002 min
Lab File: VN067805.D
Acq: 19 Jul 2021 20:03

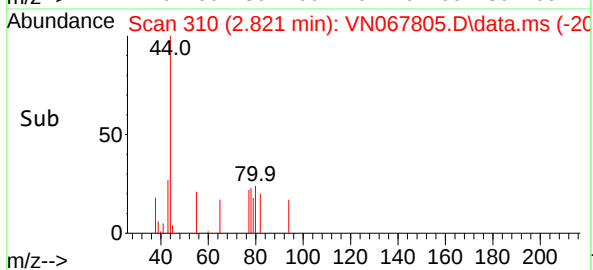
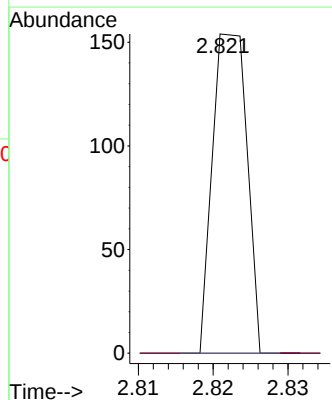
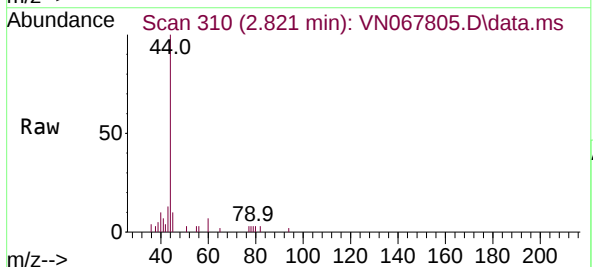
Instrument :
MSVOA_N
ClientSampled :

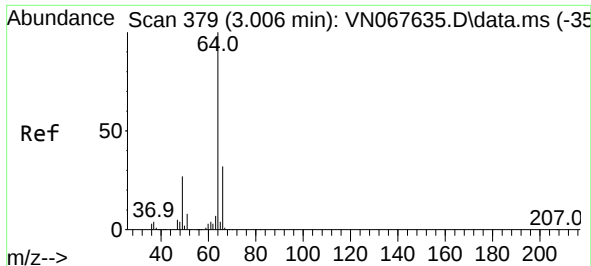
Tgt Ion:168 Resp: 316874
Ion Ratio Lower Upper
168 100
99 63.7 62.9 94.3



#5
Bromomethane
Concen: Below Cal
RT: 2.821 min Scan# 310
Delta R.T. -0.011 min
Lab File: VN067805.D
Acq: 19 Jul 2021 20:03

Tgt Ion: 94 Resp: 49
Ion Ratio Lower Upper
94 100
96 0.0 73.7 110.5#

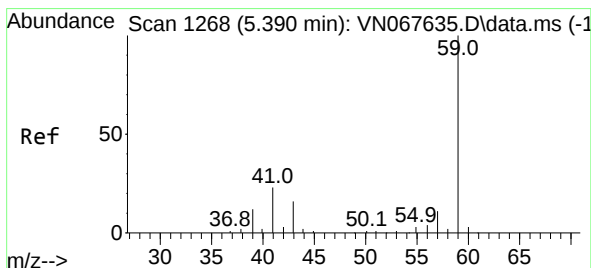
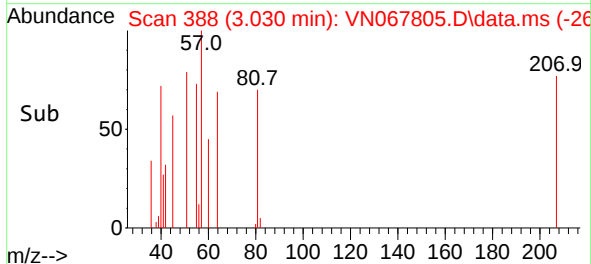
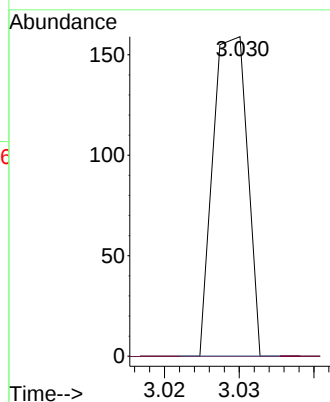
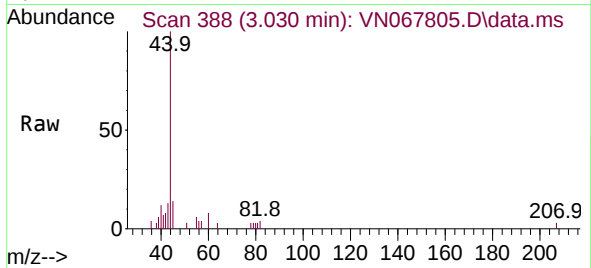




#6
Chloroethane
Concen: Below Cal
RT: 3.030 min Scan# 388
Delta R.T. 0.024 min
Lab File: VN067805.D
Acq: 19 Jul 2021 20:03

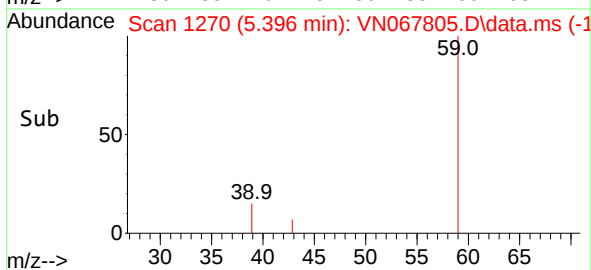
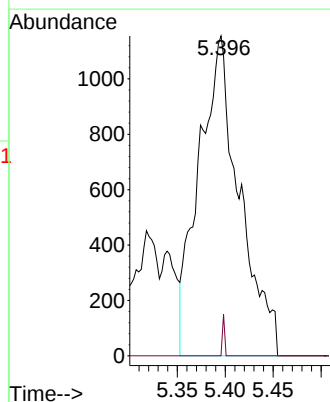
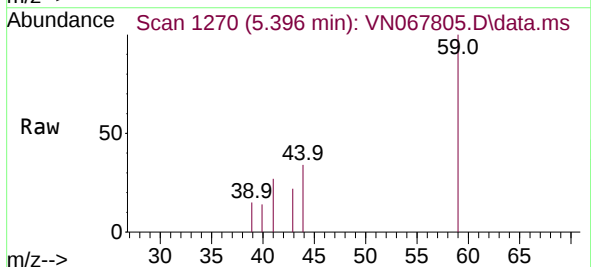
Instrument :
MSVOA_N
ClientSampled :

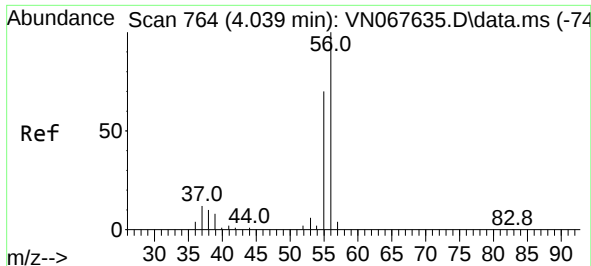
Tgt Ion: 64 Resp: 51
Ion Ratio Lower Upper
64 100
66 0.0 24.7 37.1#



#11
Tert butyl alcohol
Concen: 4.941 ug/l
RT: 5.396 min Scan# 1270
Delta R.T. 0.006 min
Lab File: VN067805.D
Acq: 19 Jul 2021 20:03

Tgt Ion: 59 Resp: 3400
Ion Ratio Lower Upper
59 100
57 0.7 8.7 13.1#

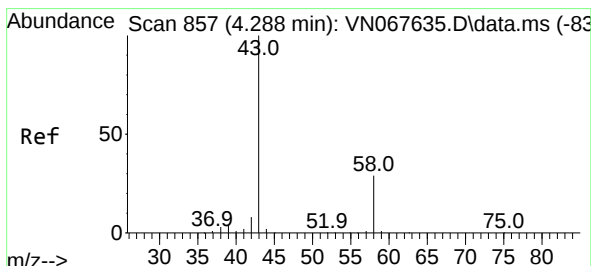
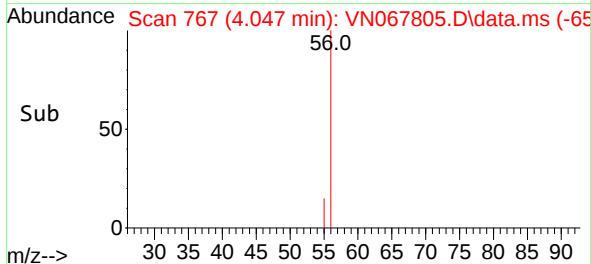
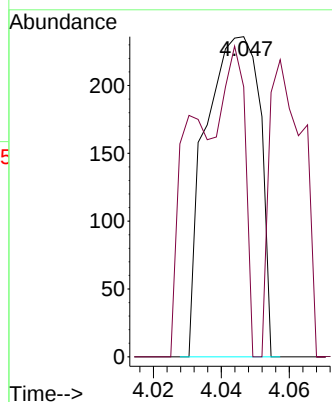
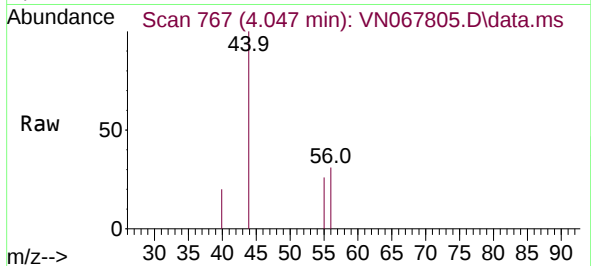




#13
Acrolein
Concen: Below Cal
RT: 4.047 min Scan# 767
Delta R.T. 0.008 min
Lab File: VN067805.D
Acq: 19 Jul 2021 20:03

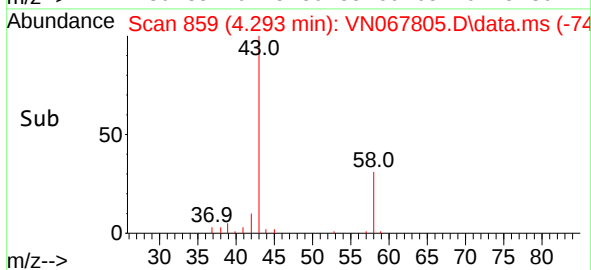
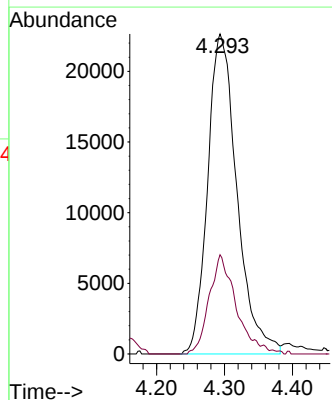
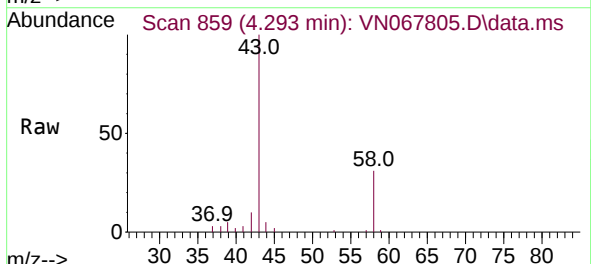
Instrument :
MSVOA_N
ClientSampled :

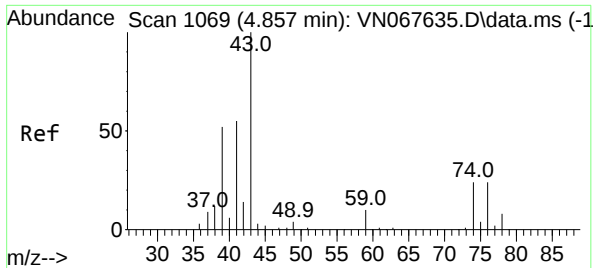
Tgt Ion: 56 Resp: 261
Ion Ratio Lower Upper
56 100
55 38.7 57.4 86.0#



#16
Acetone
Concen: 45.011 ug/l
RT: 4.293 min Scan# 859
Delta R.T. 0.005 min
Lab File: VN067805.D
Acq: 19 Jul 2021 20:03

Tgt Ion: 43 Resp: 67827
Ion Ratio Lower Upper
43 100
58 31.0 21.2 31.8

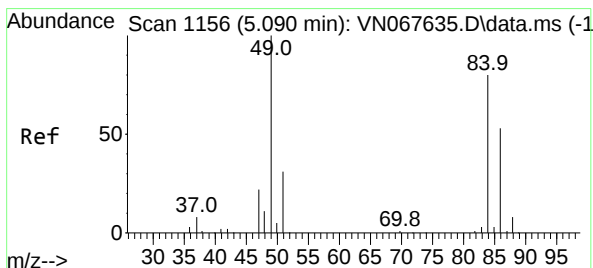
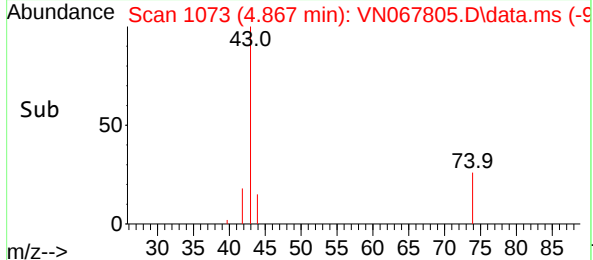
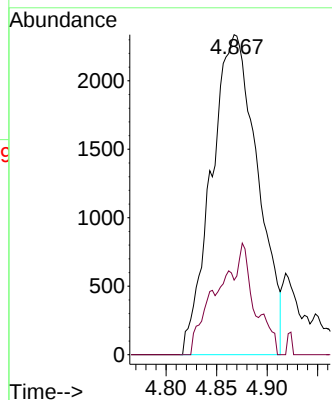
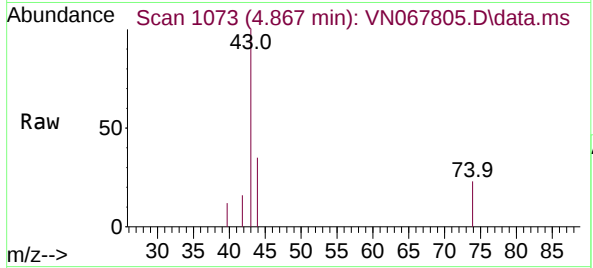




#18
Methyl Acetate
Concen: 1.758 ug/l
RT: 4.867 min Scan# 1073
Delta R.T. 0.010 min
Lab File: VN067805.D
Acq: 19 Jul 2021 20:03

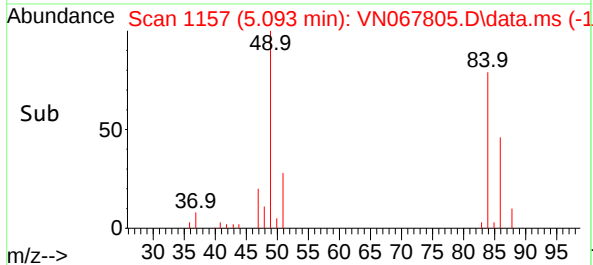
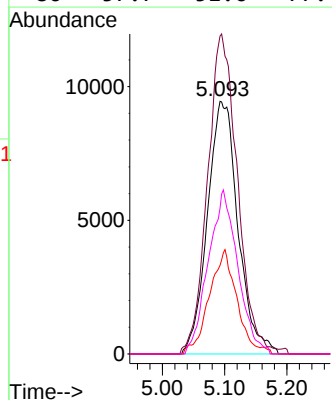
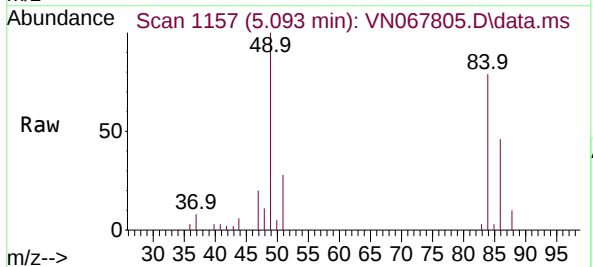
Instrument :
MSVOA_N
ClientSampled :

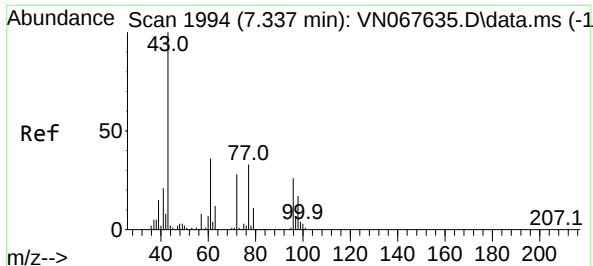
Tgt Ion: 43 Resp: 7441
Ion Ratio Lower Upper
43 100
74 5.1 17.4 26.0#



#20
Methylene Chloride
Concen: 8.598 ug/l
RT: 5.093 min Scan# 1157
Delta R.T. 0.003 min
Lab File: VN067805.D
Acq: 19 Jul 2021 20:03

Tgt Ion: 84 Resp: 32274
Ion Ratio Lower Upper
84 100
49 125.8 110.9 166.3
51 35.1 32.6 49.0
86 57.7 51.6 77.4

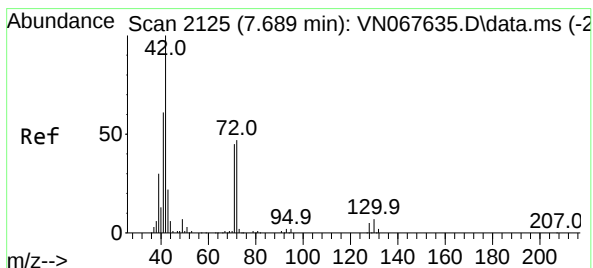
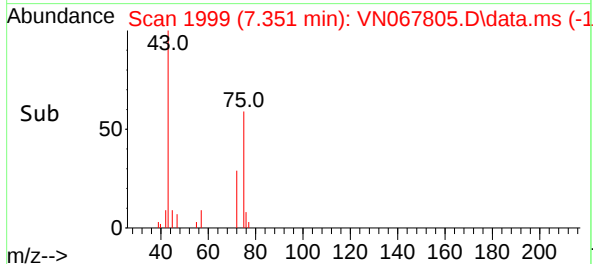
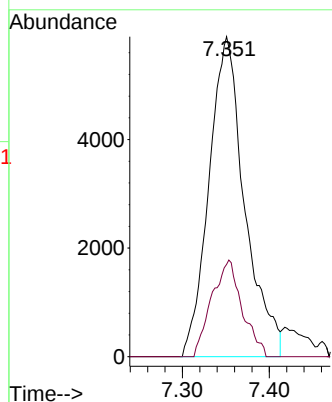
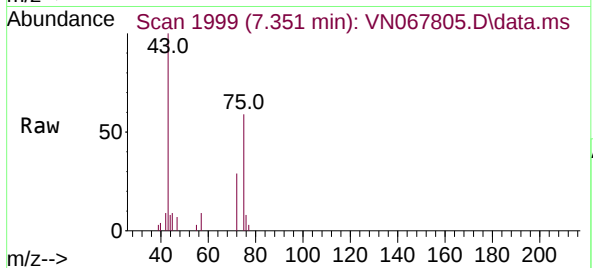




#25
2-Butanone
Concen: 6.715 ug/l
RT: 7.351 min Scan# 1999
Delta R.T. 0.014 min
Lab File: VN067805.D
Acq: 19 Jul 2021 20:03

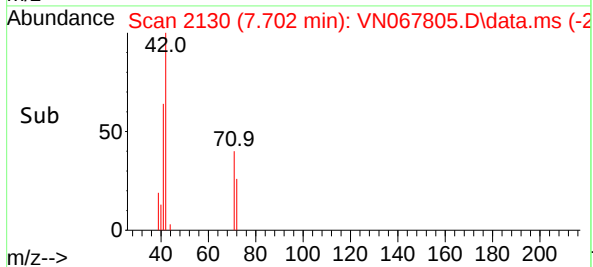
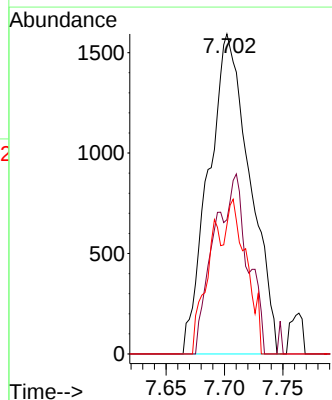
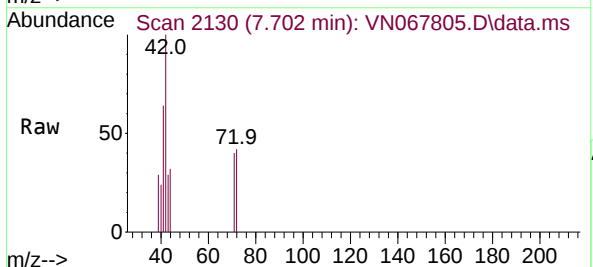
Instrument :
MSVOA_N
ClientSampled :

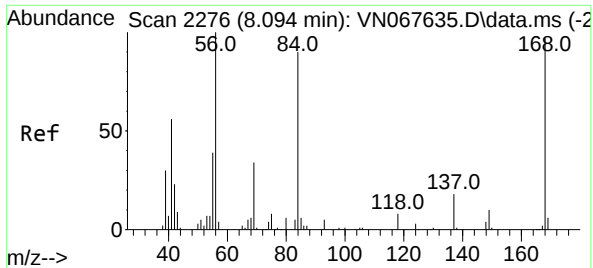
Tgt Ion: 43 Resp: 16802
Ion Ratio Lower Upper
43 100
72 28.9 19.7 29.5



#29
Tetrahydrofuran
Concen: 2.380 ug/l
RT: 7.702 min Scan# 2130
Delta R.T. 0.013 min
Lab File: VN067805.D
Acq: 19 Jul 2021 20:03

Tgt Ion: 42 Resp: 3917
Ion Ratio Lower Upper
42 100
72 25.2 32.8 49.2#
71 23.2 31.2 46.8#

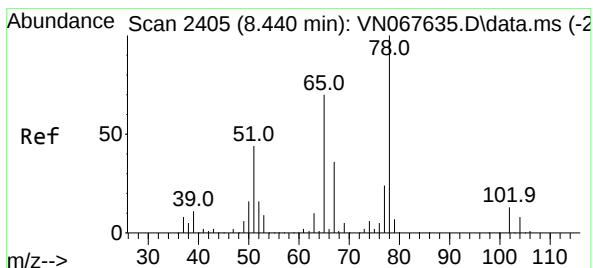
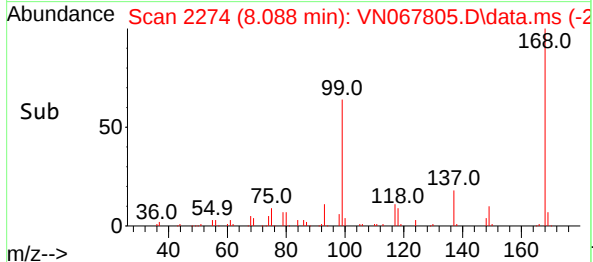
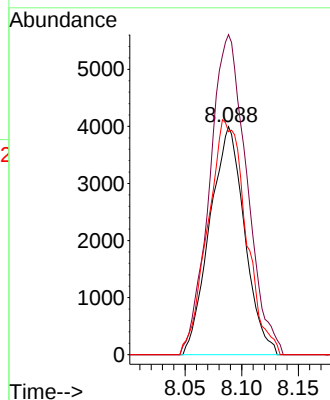
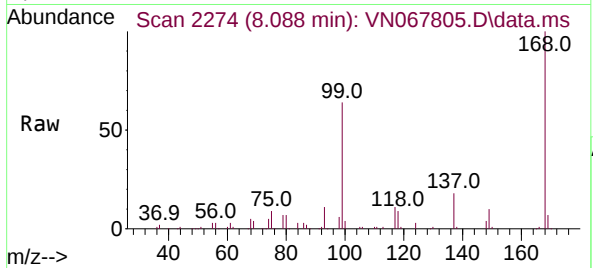




#31
Cyclohexane
Concen: 1.271 ug/l
RT: 8.088 min Scan# 2274
Delta R.T. -0.006 min
Lab File: VN067805.D
Acq: 19 Jul 2021 20:03

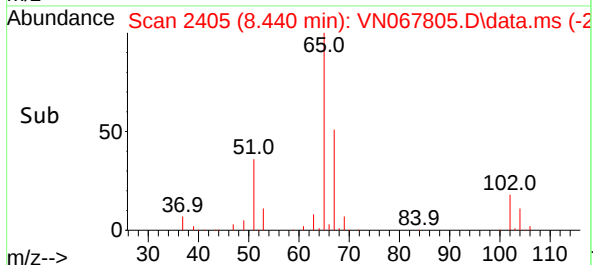
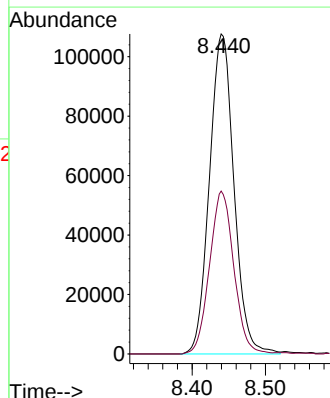
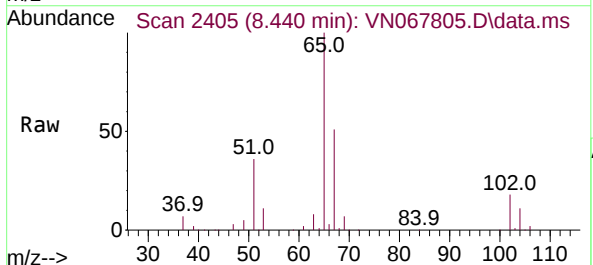
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MSVOA_N
ClientSampled :

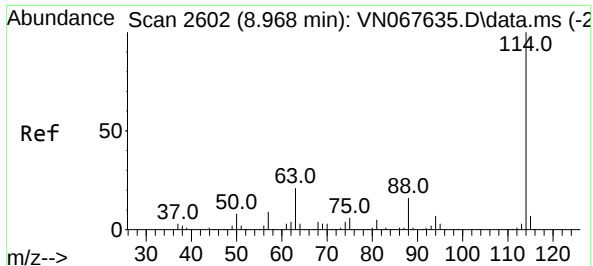
Tgt Ion: 56 Resp: 8533
Ion Ratio Lower Upper
56 100
69 140.4 27.3 40.9#
84 97.8 64.9 97.3#



#33
1,2-Dichloroethane-d4
Concen: 52.238 ug/l
RT: 8.440 min Scan# 2405
Delta R.T. -0.000 min
Lab File: VN067805.D
Acq: 19 Jul 2021 20:03

Tgt Ion: 65 Resp: 250163
Ion Ratio Lower Upper
65 100
67 50.3 0.0 98.6

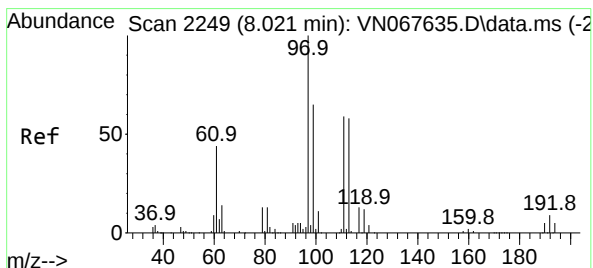
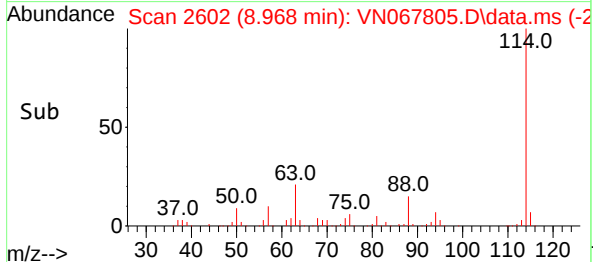
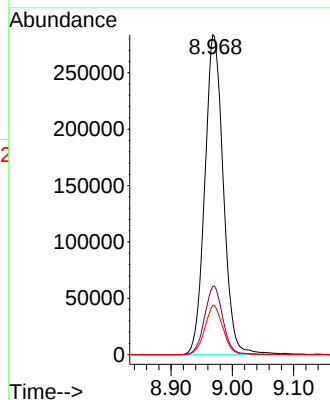
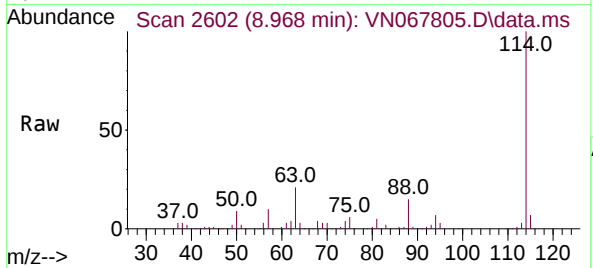




#34
1,4-Difluorobenzene
Concen: 50.000 ug/l
RT: 8.968 min Scan# 2602
Delta R.T. -0.000 min
Lab File: VN067805.D
Acq: 19 Jul 2021 20:03

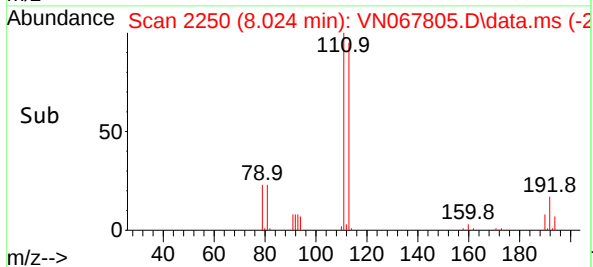
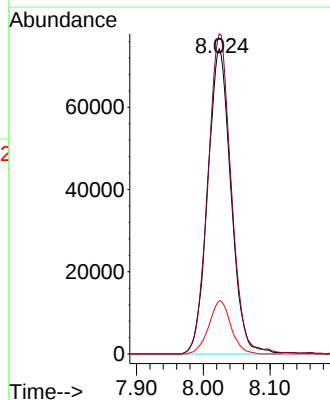
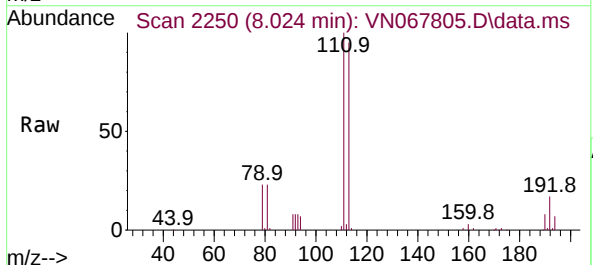
Instrument :
MSVOA_N
ClientSampled :

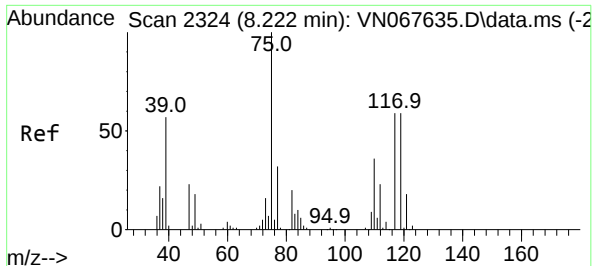
Tgt Ion:114 Resp: 596628
Ion Ratio Lower Upper
114 100
63 21.3 0.0 49.0
88 15.5 0.0 36.6



#35
Dibromofluoromethane
Concen: 49.961 ug/l
RT: 8.024 min Scan# 2250
Delta R.T. 0.003 min
Lab File: VN067805.D
Acq: 19 Jul 2021 20:03

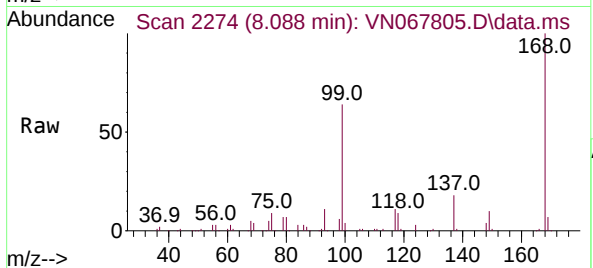
Tgt Ion:113 Resp: 180092
Ion Ratio Lower Upper
113 100
111 103.8 83.8 125.8
192 16.6 13.4 20.0



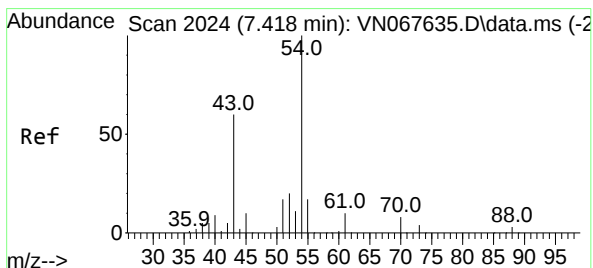
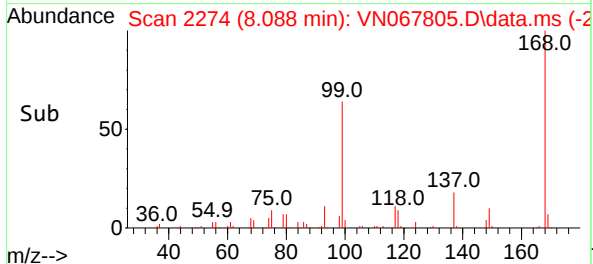
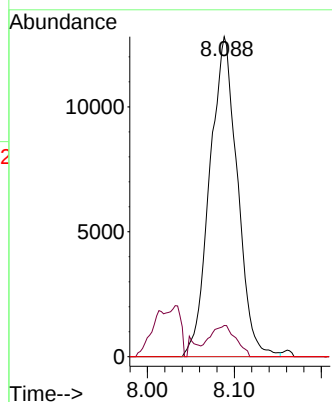


#36
1,1-Dichloropropene
Concen: 5.115 ug/l
RT: 8.088 min Scan# 2274
Delta R.T. -0.134 min
Lab File: VN067805.D
Acq: 19 Jul 2021 20:03

Instrument :
MSVOA_N
ClientSampled :

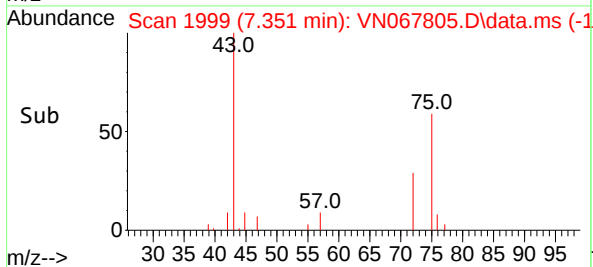
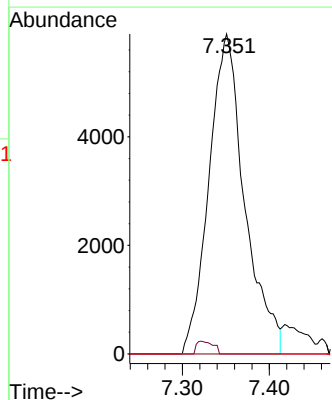
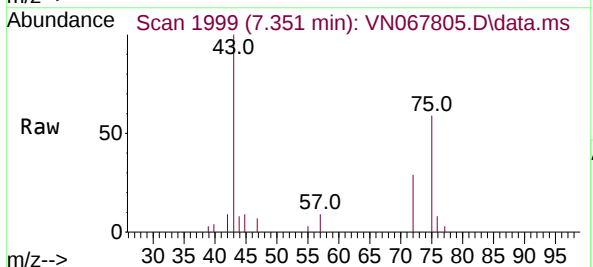


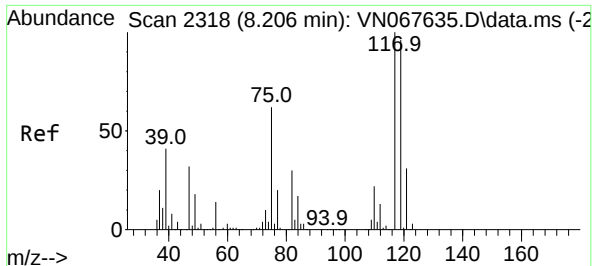
Tgt Ion: 75 Resp: 28347
Ion Ratio Lower Upper
75 100
110 9.2 15.7 47.0#
77 0.0 24.6 37.0#



#37
Ethyl Acetate
Concen: 3.129 ug/l
RT: 7.351 min Scan# 1999
Delta R.T. -0.067 min
Lab File: VN067805.D
Acq: 19 Jul 2021 20:03

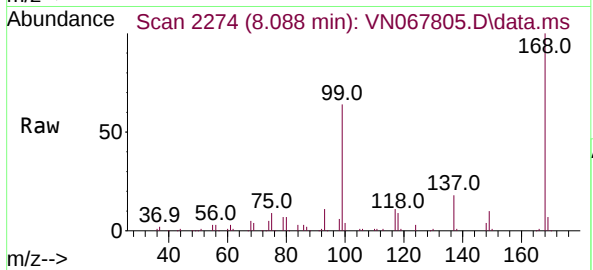
Tgt Ion: 43 Resp: 16802
Ion Ratio Lower Upper
43 100
61 0.0 10.6 16.0#
70 0.0 8.1 12.1#



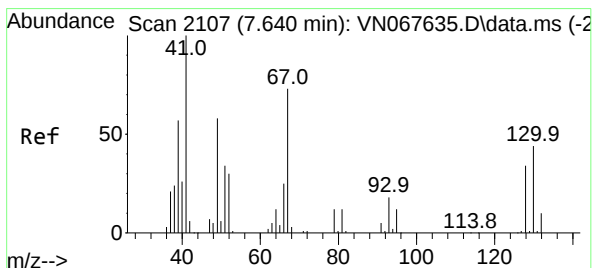
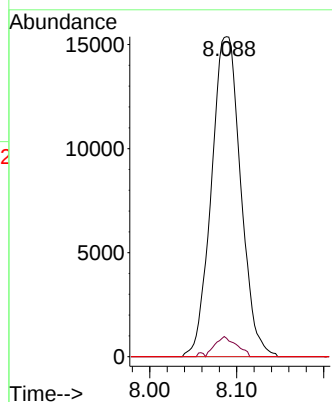
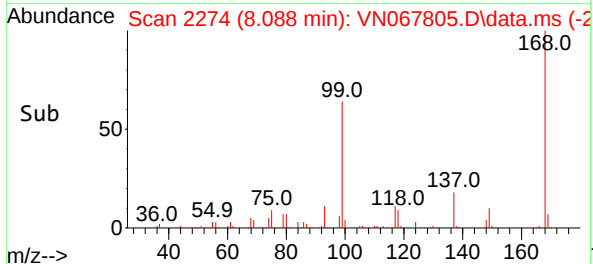


#38
Carbon Tetrachloride
Concen: 6.586 ug/l
RT: 8.088 min Scan# 2274
Delta R.T. -0.118 min
Lab File: VN067805.D
Acq: 19 Jul 2021 20:03

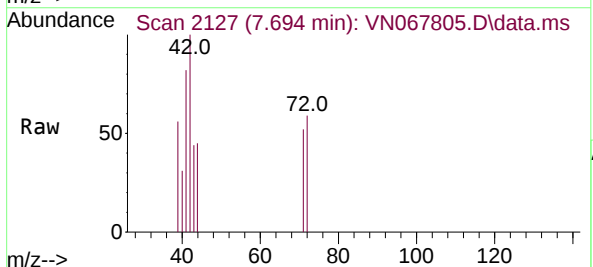
Instrument :
MSVOA_N
ClientSampled :



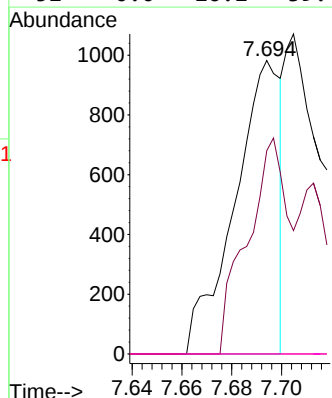
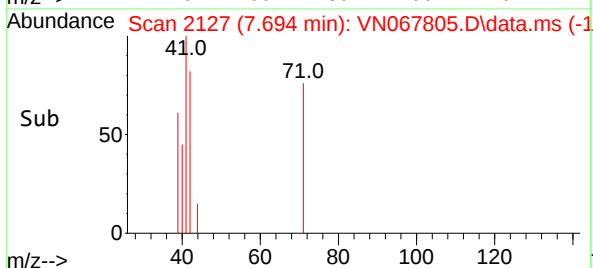
Tgt Ion:117 Resp: 36001
Ion Ratio Lower Upper
117 100
119 5.8 75.4 113.2#
121 0.0 23.5 35.3#

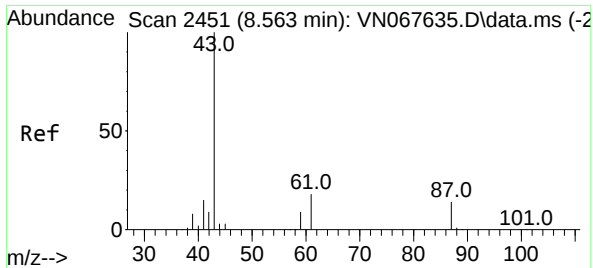


#41
Methacrylonitrile
Concen: 0.454 ug/l
RT: 7.694 min Scan# 2127
Delta R.T. 0.054 min
Lab File: VN067805.D
Acq: 19 Jul 2021 20:03



Tgt Ion: 41 Resp: 1253
Ion Ratio Lower Upper
41 100
39 65.2 47.6 71.4
67 0.0 57.7 86.5#
52 0.0 26.2 39.4#

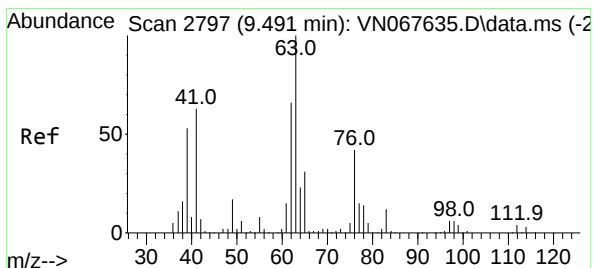
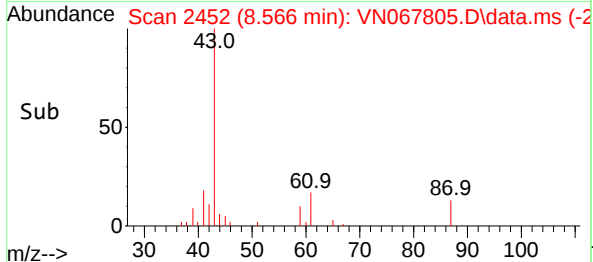
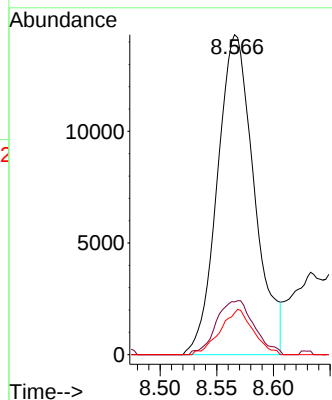
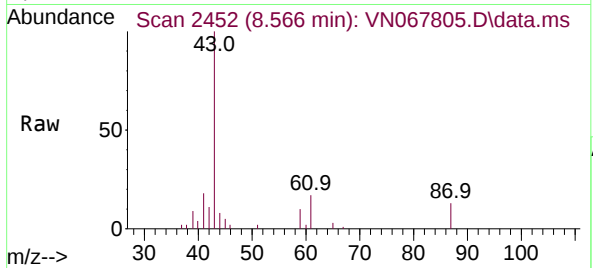




#43
Isopropyl Acetate
Concen: 3.433 ug/l
RT: 8.566 min Scan# 2452
Delta R.T. 0.003 min
Lab File: VN067805.D
Acq: 19 Jul 2021 20:03

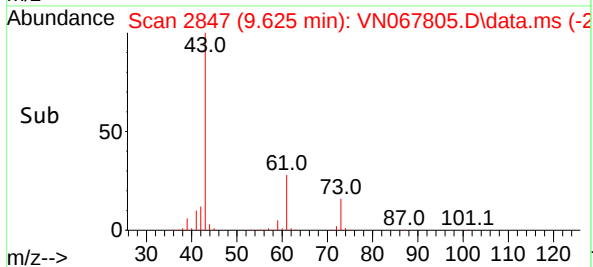
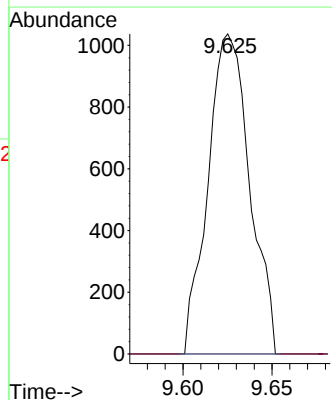
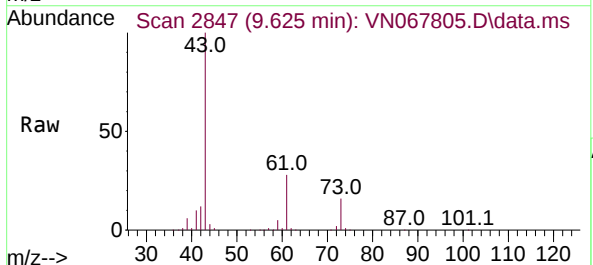
Instrument :
MSVOA_N
ClientSampled :

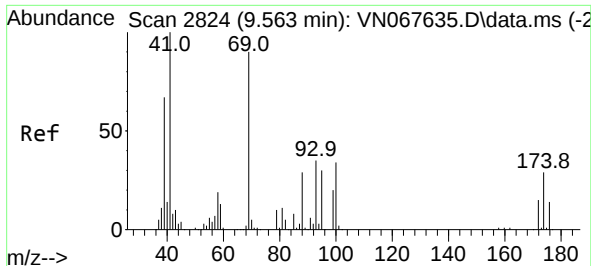
Tgt Ion: 43 Resp: 32423
Ion Ratio Lower Upper
43 100
61 17.4 19.0 28.4#
87 12.6 9.5 14.3



#45
1,2-Dichloropropane
Concen: 0.404 ug/l
RT: 9.625 min Scan# 2847
Delta R.T. 0.134 min
Lab File: VN067805.D
Acq: 19 Jul 2021 20:03

Tgt Ion: 63 Resp: 1697
Ion Ratio Lower Upper
63 100
65 0.0 24.3 36.5#

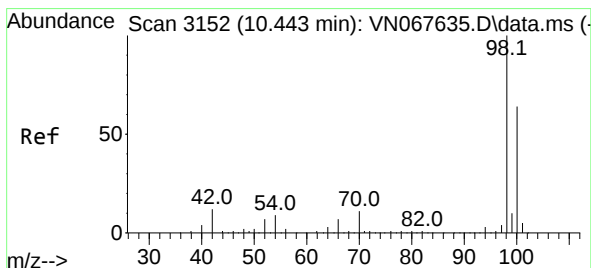
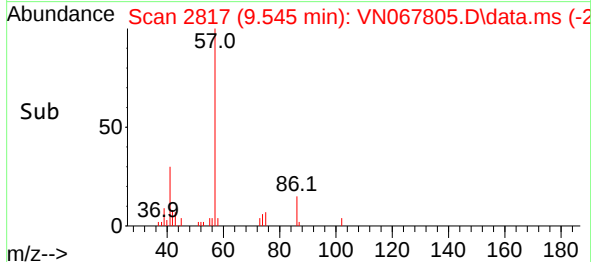
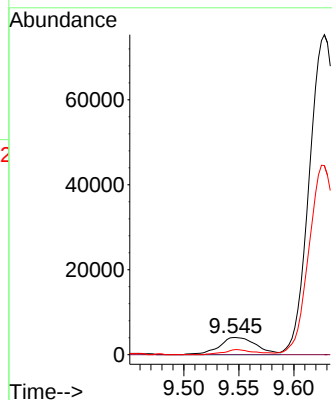
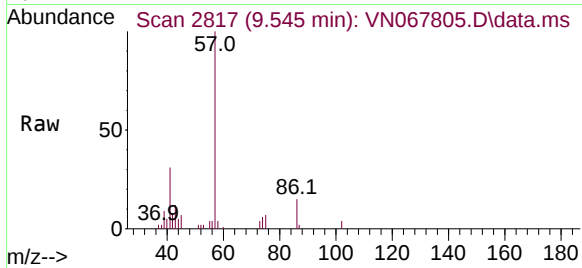




#48
Methyl methacrylate
Concen: 2.293 ug/l
RT: 9.545 min Scan# 2817
Delta R.T. -0.018 min
Lab File: VN067805.D
Acq: 19 Jul 2021 20:03

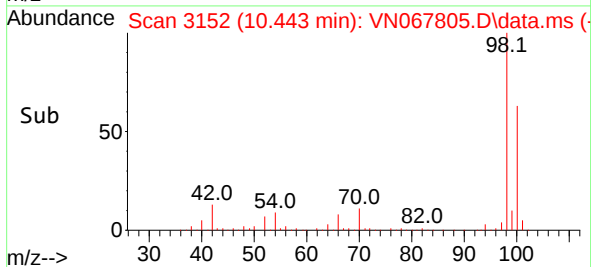
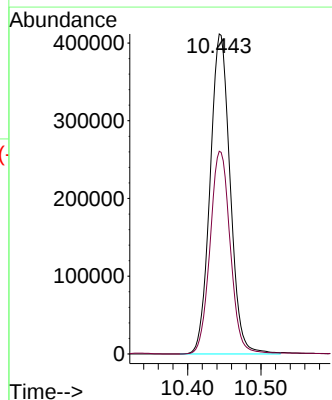
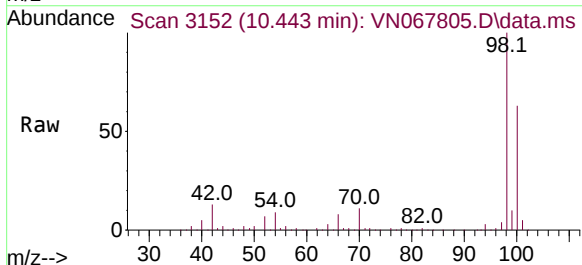
Instrument :
MSVOA_N
ClientSampled :

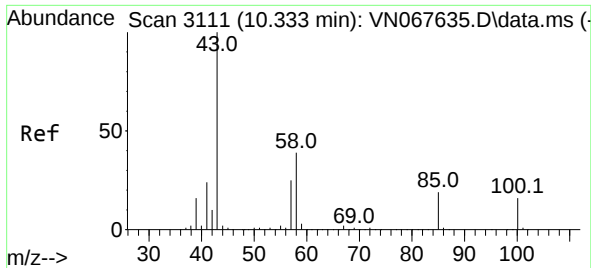
Tgt Ion: 41 Resp: 9579
Ion Ratio Lower Upper
41 100
69 0.0 64.6 96.8#
39 0.0 53.3 79.9#



#50
Toluene-d8
Concen: 51.824 ug/l
RT: 10.443 min Scan# 3152
Delta R.T. 0.000 min
Lab File: VN067805.D
Acq: 19 Jul 2021 20:03

Tgt Ion: 98 Resp: 781940
Ion Ratio Lower Upper
98 100
100 63.9 51.7 77.5

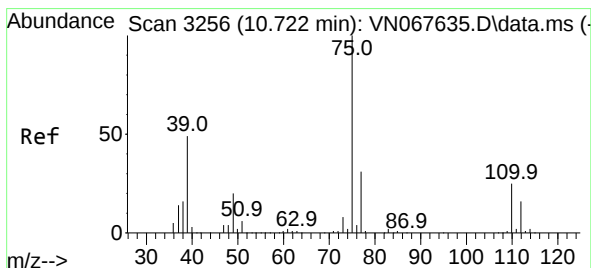
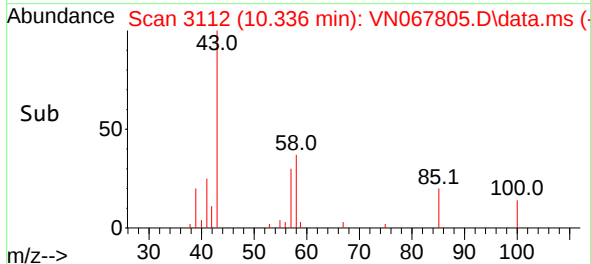
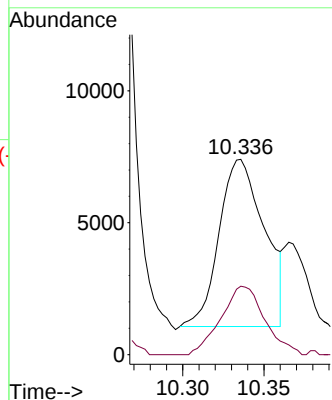
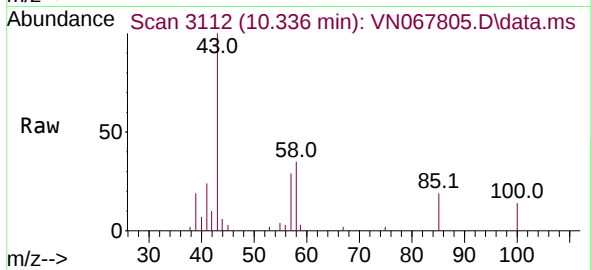




#51
4-Methyl-2-Pentanone
Concen: 2.115 ug/l
RT: 10.336 min Scan# 3112
Delta R.T. 0.003 min
Lab File: VN067805.D
Acq: 19 Jul 2021 20:03

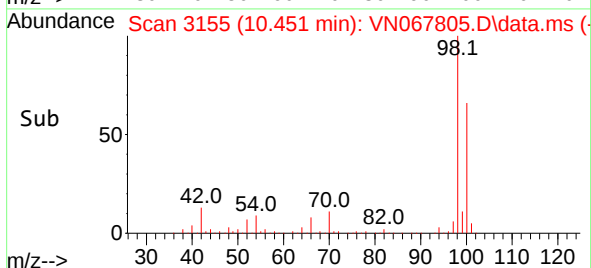
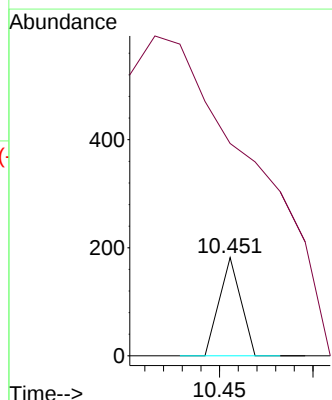
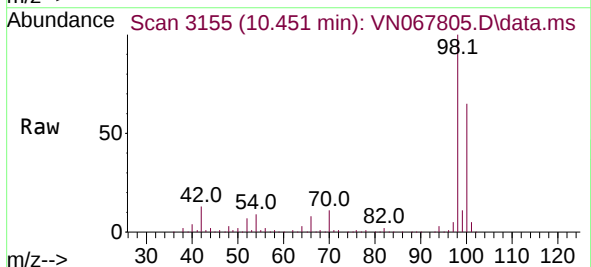
Instrument :
MSVOA_N
ClientSampled :

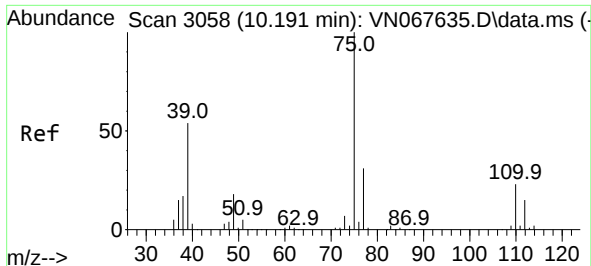
Tgt Ion: 43 Resp: 12273
Ion Ratio Lower Upper
43 100
58 39.6 28.6 43.0



#53
t-1,3-Dichloropropene
Concen: 1.748 ug/l
RT: 10.451 min Scan# 3155
Delta R.T. -0.271 min
Lab File: VN067805.D
Acq: 19 Jul 2021 20:03

Tgt Ion: 75 Resp: 29
Ion Ratio Lower Upper
75 100
77 48.9 25.1 37.7#

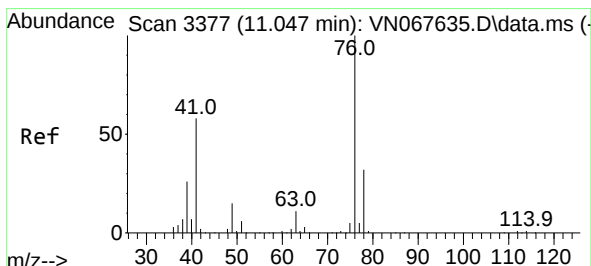
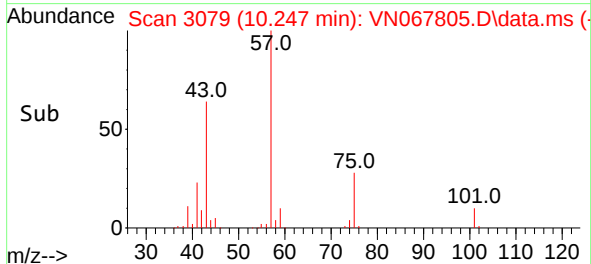
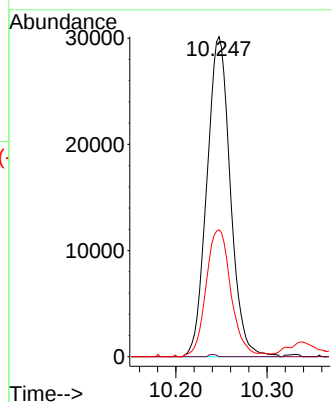
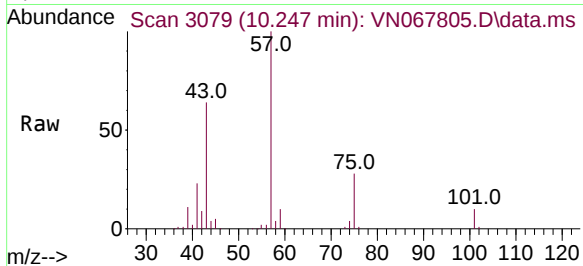




#54
 cis-1,3-Dichloropropene
 Concen: 8.315 ug/l
 RT: 10.247 min Scan# 3079
 Delta R.T. 0.056 min
 Lab File: VN067805.D
 Acq: 19 Jul 2021 20:03

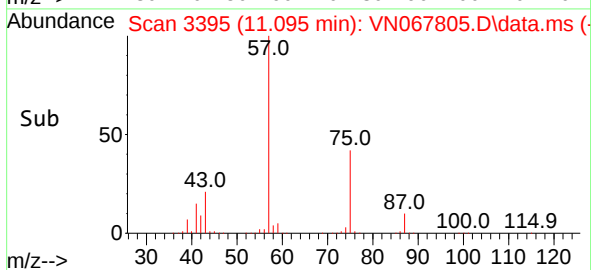
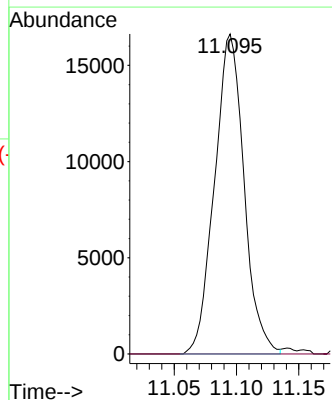
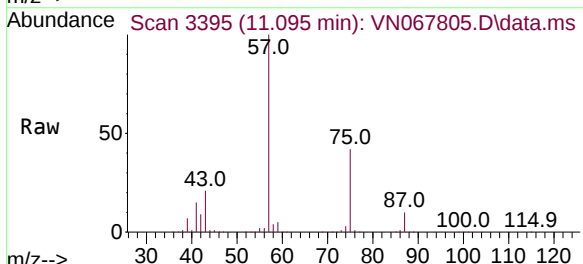
Instrument :
 MSVOA_N
 ClientSampled :

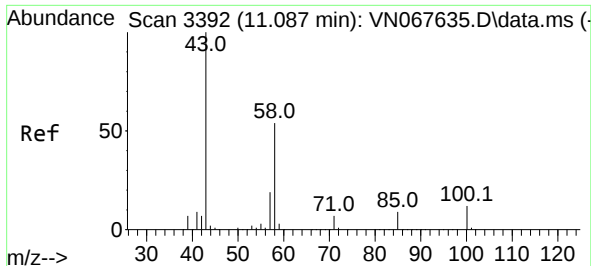
Tgt Ion: 75 Resp: 53874
 Ion Ratio Lower Upper
 75 100
 77 0.0 24.6 37.0#
 39 39.7 50.7 76.1#



#57
 1,3-Dichloropropane
 Concen: 3.834 ug/l
 RT: 11.095 min Scan# 3395
 Delta R.T. 0.048 min
 Lab File: VN067805.D
 Acq: 19 Jul 2021 20:03

Tgt Ion: 76 Resp: 27380
 Ion Ratio Lower Upper
 76 100
 78 0.0 25.7 38.5#

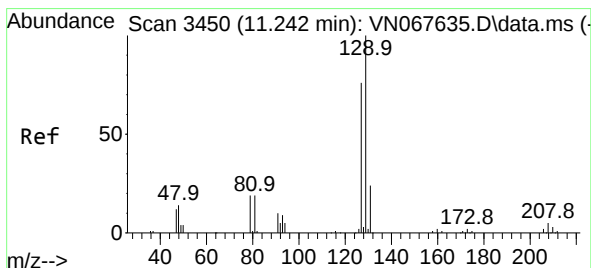
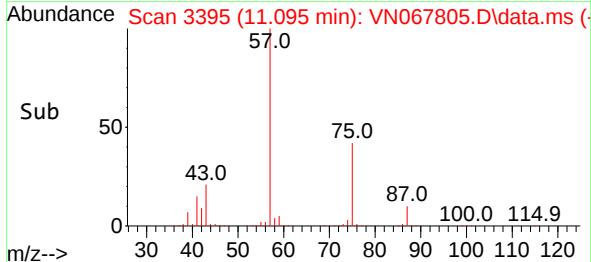
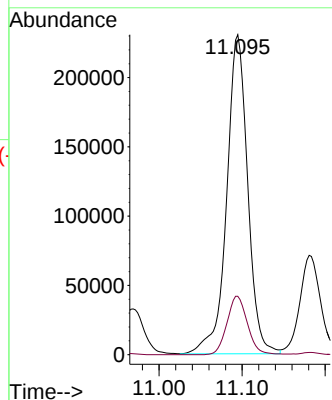
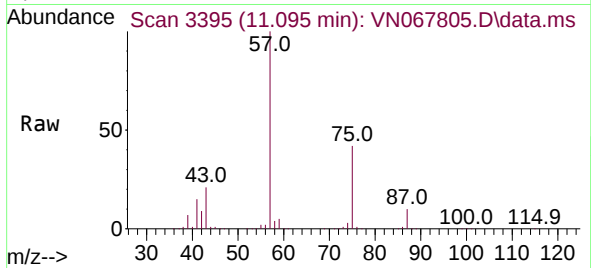




#59
2-Hexanone
Concen: 100.236 ug/l
RT: 11.095 min Scan# 3395
Delta R.T. 0.008 min
Lab File: VN067805.D
Acq: 19 Jul 2021 20:03

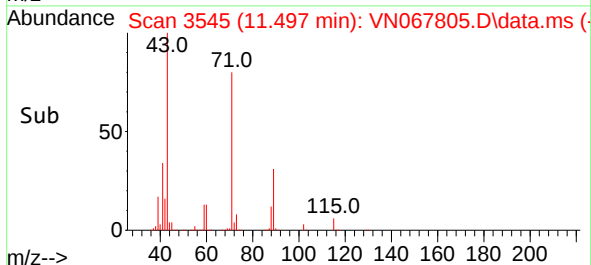
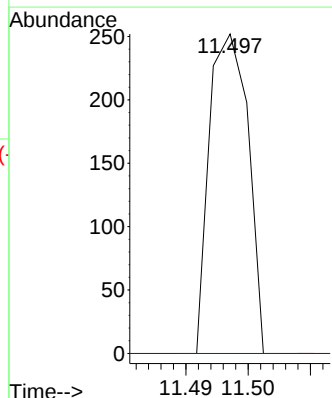
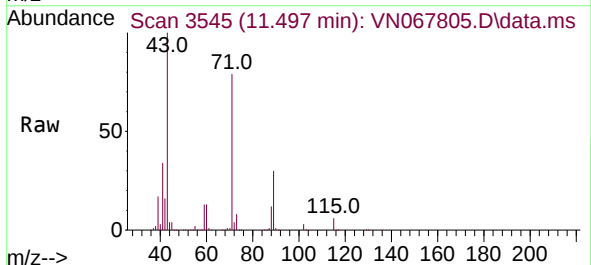
Instrument :
MSVOA_N
ClientSampled :

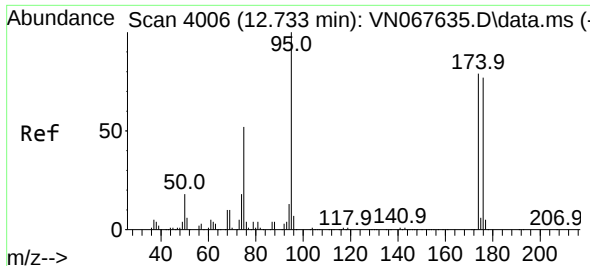
Tgt Ion: 43 Resp: 406014
Ion Ratio Lower Upper
43 100
58 17.9 24.7 74.1#



#60
Dibromochloromethane
Concen: 2.377 ug/l
RT: 11.497 min Scan# 3545
Delta R.T. 0.255 min
Lab File: VN067805.D
Acq: 19 Jul 2021 20:03

Tgt Ion: 129 Resp: 109
Ion Ratio Lower Upper
129 100
127 0.0 38.6 115.8#

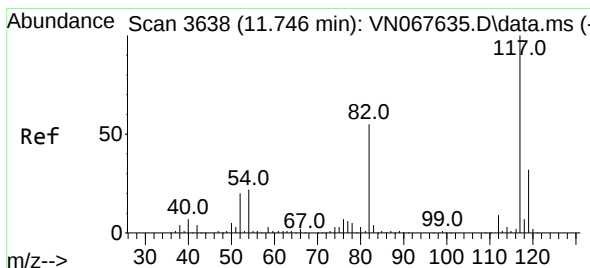
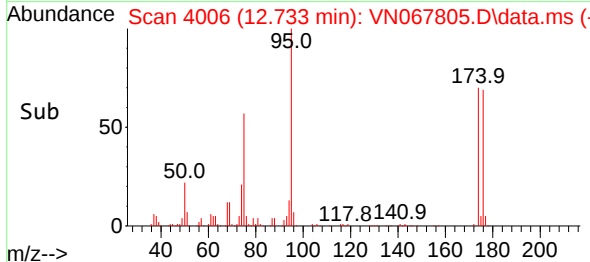
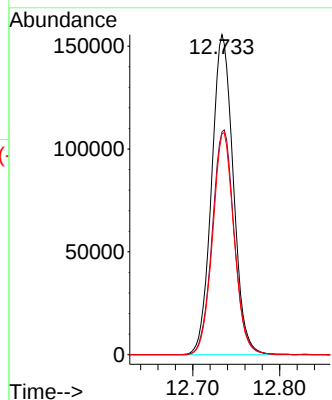
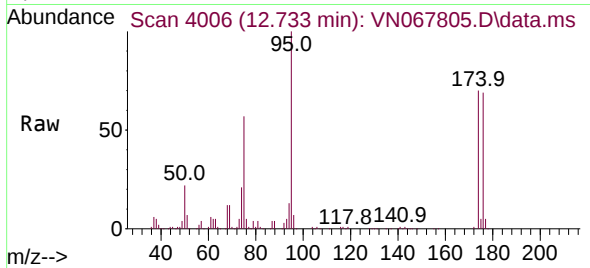




#62
4-Bromofluorobenzene
Concen: 50.494 ug/l
RT: 12.733 min Scan# 4006
Delta R.T. 0.000 min
Lab File: VN067805.D
Acq: 19 Jul 2021 20:03

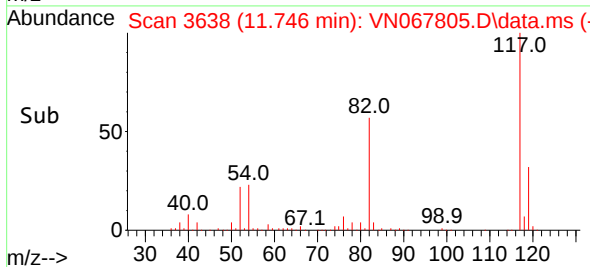
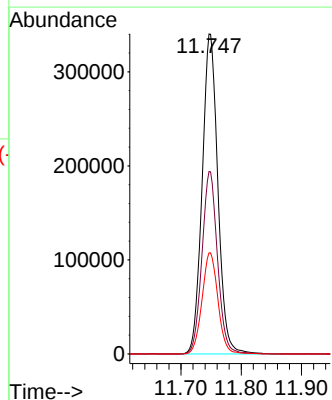
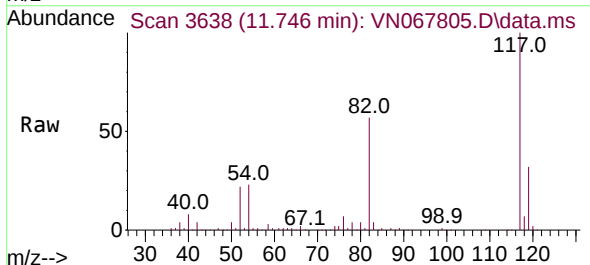
Instrument :
MSVOA_N
ClientSampled :

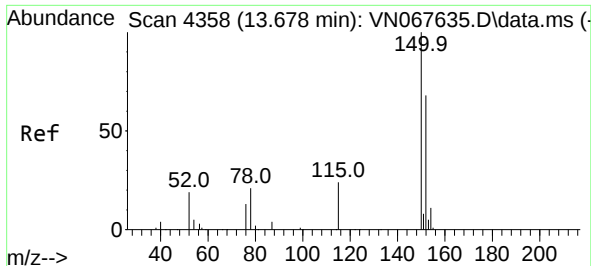
Tgt Ion: 95 Resp: 269135
Ion Ratio Lower Upper
95 100
174 71.2 0.0 122.0
176 68.6 0.0 117.6



#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 11.746 min Scan# 3638
Delta R.T. 0.000 min
Lab File: VN067805.D
Acq: 19 Jul 2021 20:03

Tgt Ion: 117 Resp: 616258
Ion Ratio Lower Upper
117 100
82 57.0 53.1 79.7
119 31.6 25.5 38.3

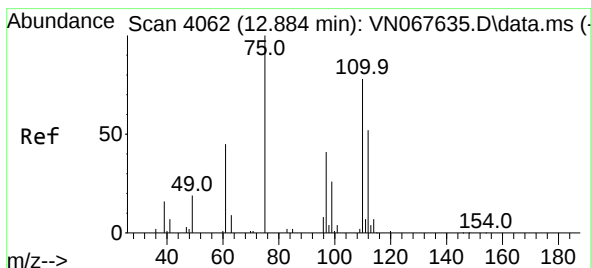
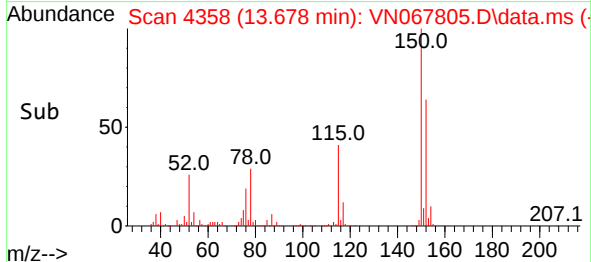
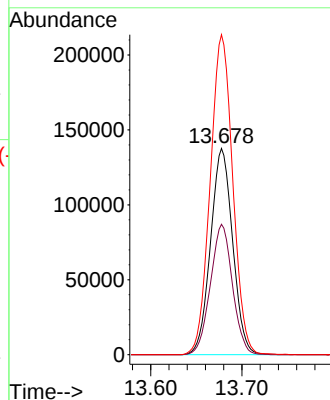
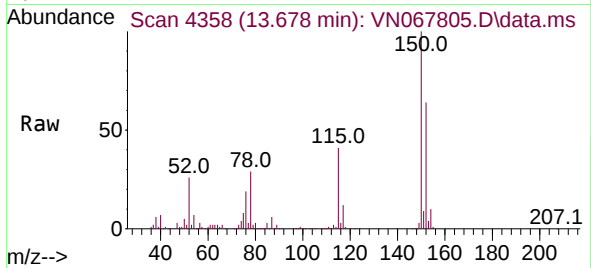




#72
 1,4-Dichlorobenzene-d4
 Concen: 50.000 ug/l
 RT: 13.678 min Scan# 4358
 Delta R.T. -0.000 min
 Lab File: VN067805.D
 Acq: 19 Jul 2021 20:03

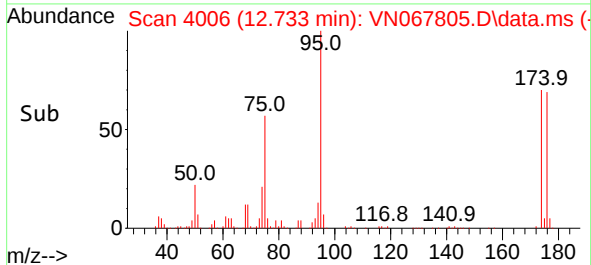
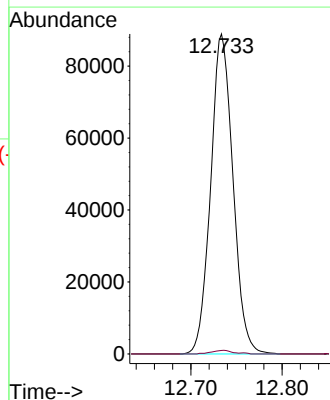
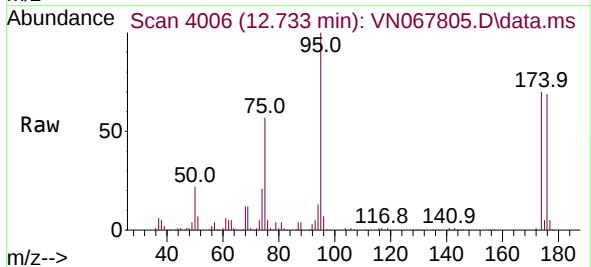
Instrument :
 MSVOA_N
 ClientSampled :

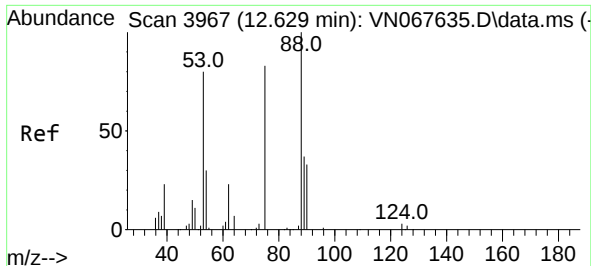
Tgt Ion:152 Resp: 231939
 Ion Ratio Lower Upper
 152 100
 115 62.9 36.1 108.5
 150 157.9 0.0 351.8



#76
 1,2,3-Trichloropropane
 Concen: 31.896 ug/l
 RT: 12.733 min Scan# 4006
 Delta R.T. -0.151 min
 Lab File: VN067805.D
 Acq: 19 Jul 2021 20:03

Tgt Ion: 75 Resp: 151080
 Ion Ratio Lower Upper
 75 100
 77 1.0 0.0 0.0#

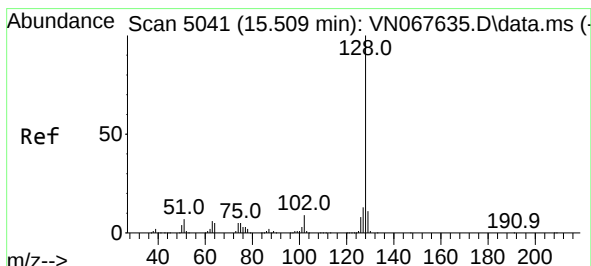
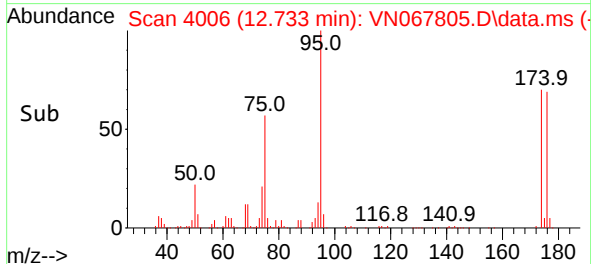
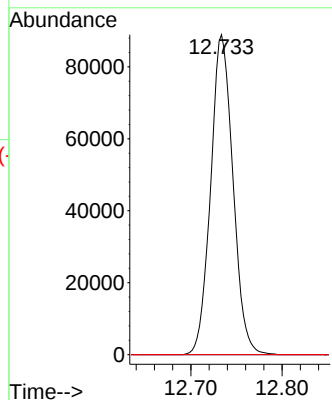
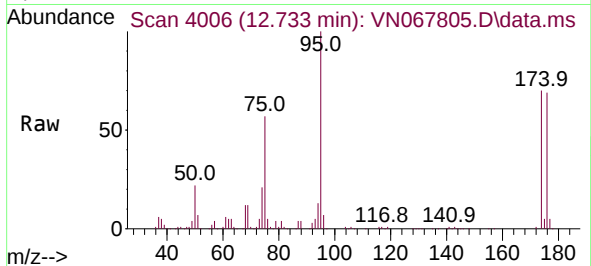




#81
trans-1,4-Dichloro-2-butene
Concen: 102.837 ug/l
RT: 12.733 min Scan# 4006
Delta R.T. 0.104 min
Lab File: VN067805.D
Acq: 19 Jul 2021 20:03

Instrument :
MSVOA_N
ClientSampled :

Tgt Ion: 75 Resp: 151080
Ion Ratio Lower Upper
75 100
53 0.0 87.6 131.4#
89 0.0 37.8 56.8#



#95
Naphthalene
Concen: 3.051 ug/l
RT: 15.512 min Scan# 5042
Delta R.T. 0.003 min
Lab File: VN067805.D
Acq: 19 Jul 2021 20:03

Tgt Ion:128 Resp: 473
Ion Ratio Lower Upper
128 100
127 0.0 10.6 15.8#
129 0.0 8.6 12.8#

