

Data Path : Z:\voasrv\HPCHEM1\MSVOA_N\Data\VN072321\
 Data File : VN067889.D
 Acq On : 23 Jul 2021 18:56
 Operator : JC/MD
 Sample : PB137886ZHE#01
 Misc : 5.00mL/MSVOA_N/WATER
 ALS Vial : 20 Sample Multiplier: 1

Instrument :
 MSVOA_N
 ClientSampleId :

Quant Time: Jul 24 01:43:35 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)

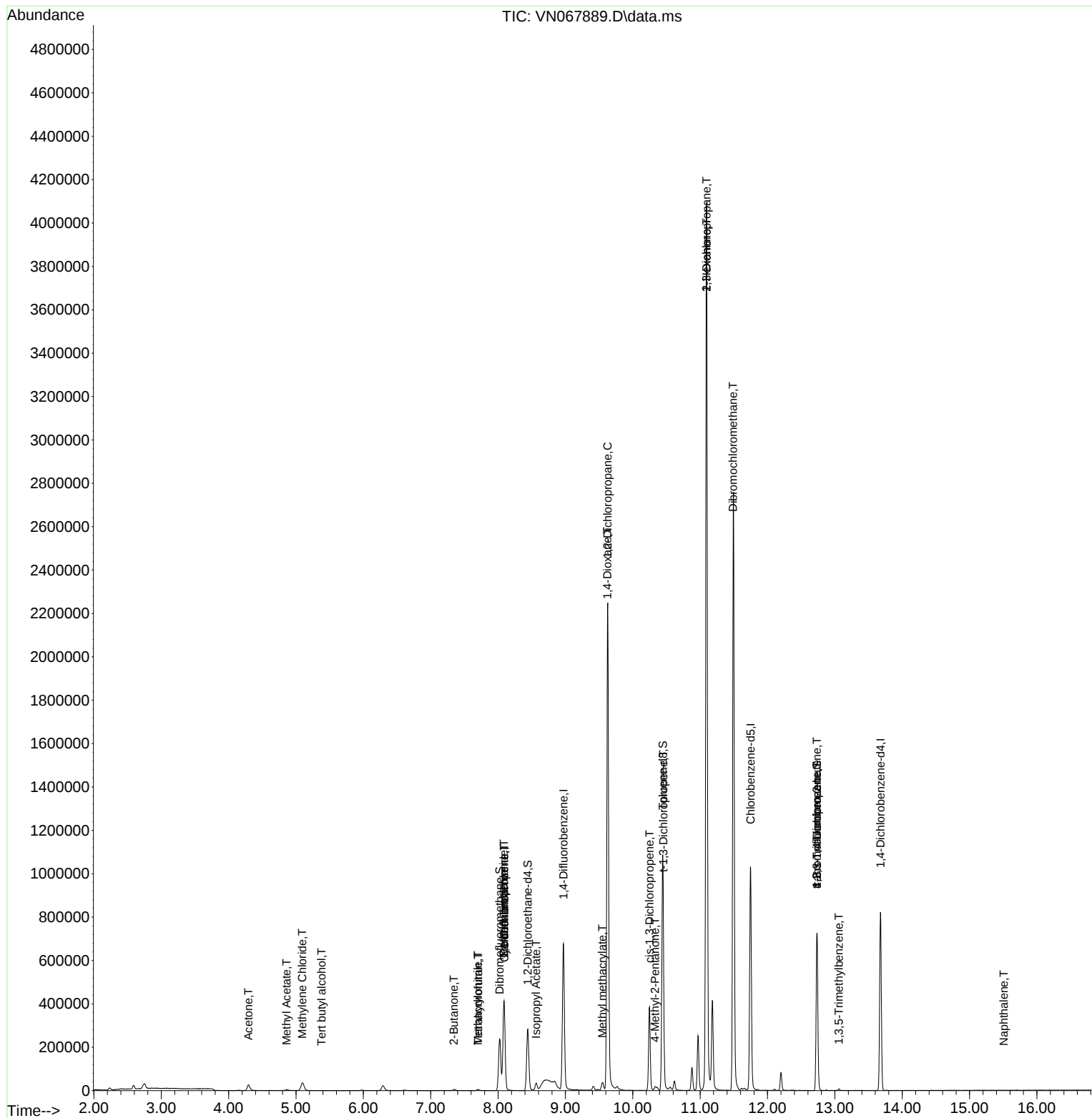
Internal Standards						
1) Pentafluorobenzene	8.088	168	292240	50.000	ug/l	0.00
34) 1,4-Difluorobenzene	8.971	114	586317	50.000	ug/l	0.00
63) Chlorobenzene-d5	11.749	117	599113	50.000	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.678	152	214834	50.000	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	8.440	65	238466	53.993	ug/l	0.00
Spiked Amount 50.000	Range 61 - 141		Recovery = 107.980%			
35) Dibromofluoromethane	8.024	113	174735	49.327	ug/l	0.00
Spiked Amount 50.000	Range 69 - 133		Recovery = 98.660%			
50) Toluene-d8	10.446	98	757058	51.058	ug/l	0.00
Spiked Amount 50.000	Range 65 - 126		Recovery = 102.120%			
62) 4-Bromofluorobenzene	12.733	95	256904	49.047	ug/l	0.00
Spiked Amount 50.000	Range 58 - 135		Recovery = 98.100%			
Target Compounds					Qvalue	
5) Bromomethane	2.821	94	89	Below Cal	#	4
6) Chloroethane	3.014	64	245	Below Cal	#	44
11) Tert butyl alcohol	5.380	59	376	0.592	ug/l #	71
13) Acrolein	4.039	56	24	Below Cal	#	14
16) Acetone	4.293	43	48840	35.143	ug/l	98
18) Methyl Acetate	4.857	43	3326	0.852	ug/l #	69
20) Methylene Chloride	5.093	84	28671	8.256	ug/l	90
25) 2-Butanone	7.343	43	4027	1.745	ug/l #	87
29) Tetrahydrofuran	7.705	42	3955	2.606	ug/l #	82
31) Cyclohexane	8.094	56	7767	1.254	ug/l #	13
36) 1,1-Dichloropropene	8.091	75	27450	5.040	ug/l #	52
38) Carbon Tetrachloride	8.086	117	32688	6.085	ug/l #	17
41) Methacrylonitrile	7.699	41	1951	0.719	ug/l #	39
43) Isopropyl Acetate	8.566	43	39885	4.297	ug/l #	92
45) 1,2-Dichloropropane	9.628	63	2851	0.691	ug/l #	44
48) Methyl methacrylate	9.547	41	9996	2.435	ug/l #	12
49) 1,4-Dioxane	9.622	88	121	33.567	ug/l #	1
51) 4-Methyl-2-Pentanone	10.330	43	9468	1.660	ug/l #	79
53) t-1,3-Dichloropropene	10.454	75	91	1.757	ug/l #	1
54) cis-1,3-Dichloropropene	10.247	75	65005	10.209	ug/l #	64
57) 1,3-Dichloropropane	11.095	76	43633	6.218	ug/l #	43
59) 2-Hexanone	11.095	43	626671	157.432	ug/l #	54
60) Dibromochloromethane	11.489	129	297	2.413	ug/l #	11
76) 1,2,3-Trichloropropane	12.733	75	143511	32.711	ug/l #	100
80) 1,3,5-Trimethylbenzene	13.058	105	3521	0.251	ug/l	68
81) trans-1,4-Dichloro-2-b...	12.733	75	143511	105.462	ug/l #	6
95) Naphthalene	15.507	128	252	3.035	ug/l #	69

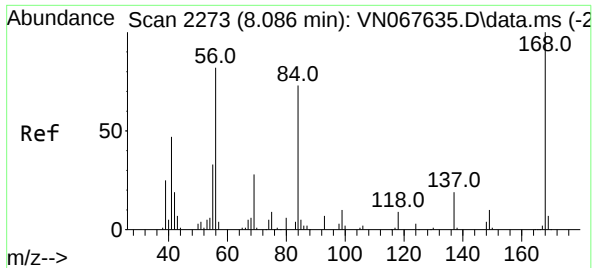
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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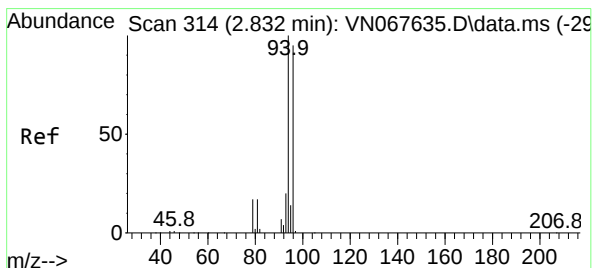
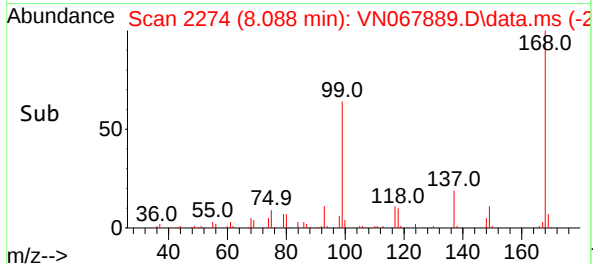
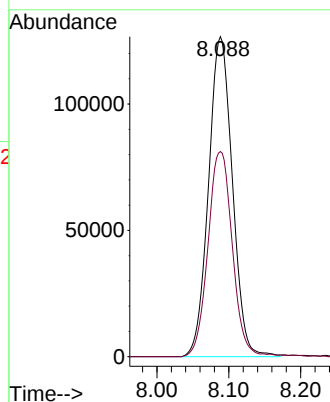
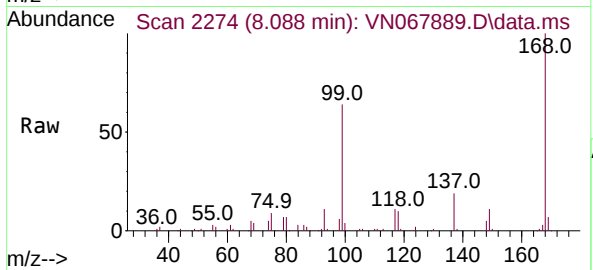




#1
Pentafluorobenzene
Concen: 50.000 ug/l
RT: 8.088 min Scan# 2274
Delta R.T. 0.002 min
Lab File: VN067889.D
Acq: 23 Jul 2021 18:56

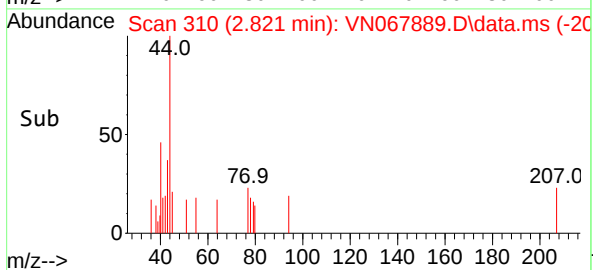
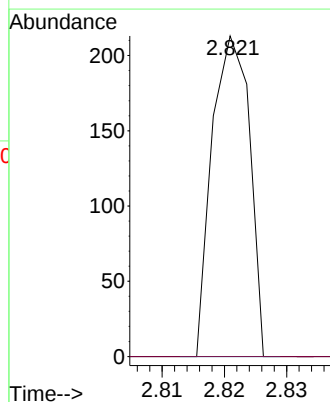
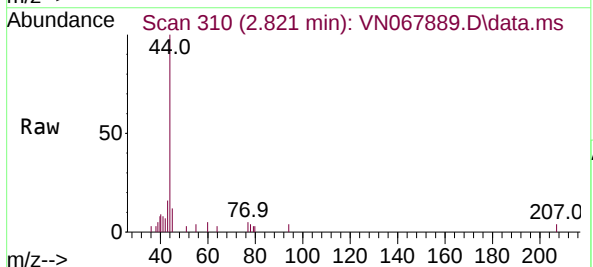
Instrument :
MSVOA_N
ClientSampled :

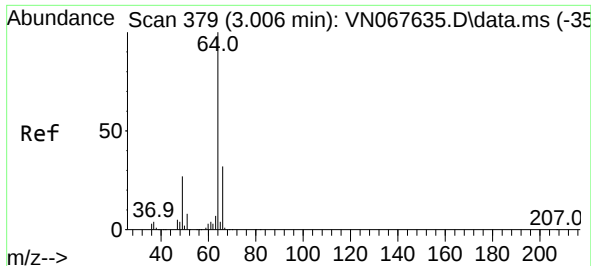
Tgt Ion:168 Resp: 292240
Ion Ratio Lower Upper
168 100
99 64.1 62.9 94.3



#5
Bromomethane
Concen: Below Cal
RT: 2.821 min Scan# 310
Delta R.T. -0.011 min
Lab File: VN067889.D
Acq: 23 Jul 2021 18:56

Tgt Ion: 94 Resp: 89
Ion Ratio Lower Upper
94 100
96 0.0 73.7 110.5#

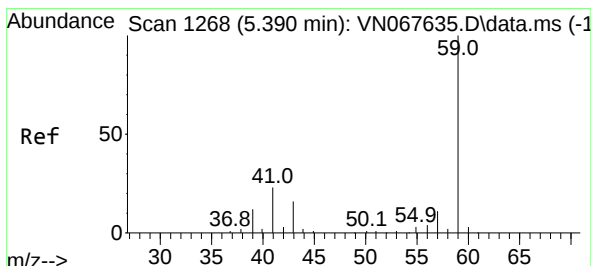
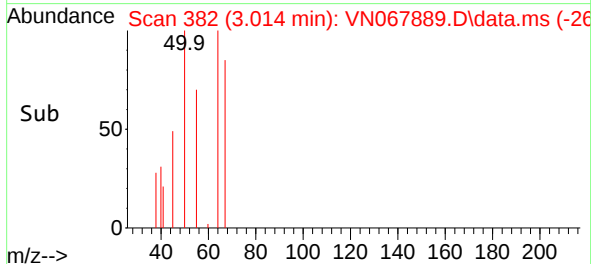
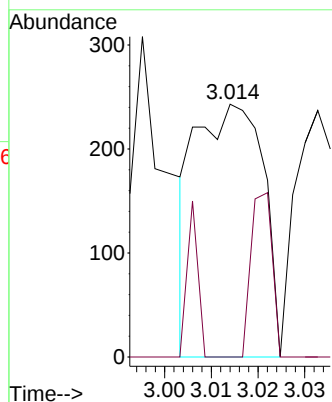
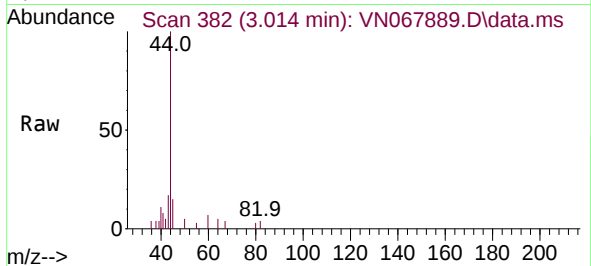




#6
Chloroethane
Concen: Below Cal
RT: 3.014 min Scan# 382
Delta R.T. 0.008 min
Lab File: VN067889.D
Acq: 23 Jul 2021 18:56

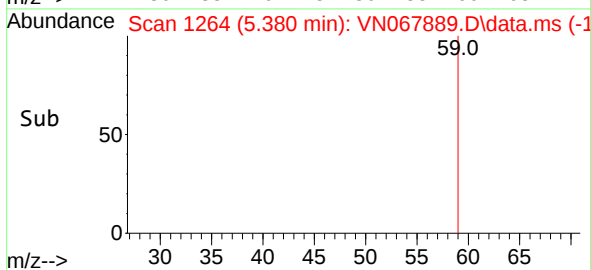
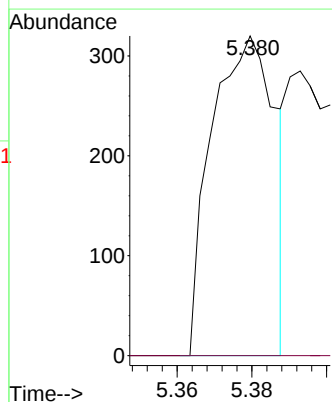
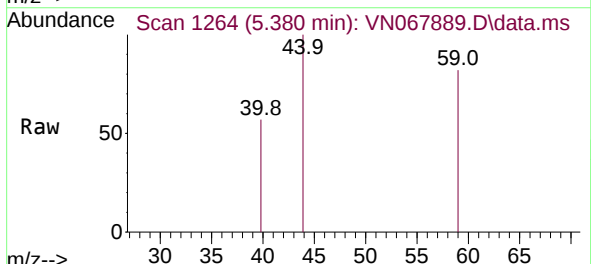
Instrument :
MSVOA_N
ClientSampled :

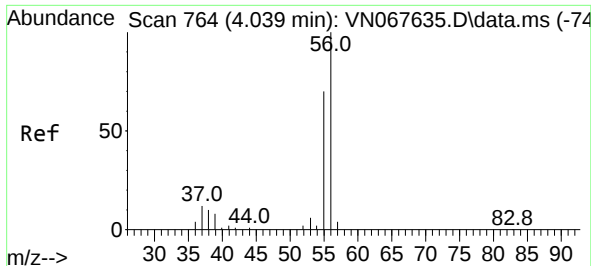
Tgt Ion: 64 Resp: 245
Ion Ratio Lower Upper
64 100
66 0.0 24.7 37.1#



#11
Tert butyl alcohol
Concen: 0.592 ug/l
RT: 5.380 min Scan# 1264
Delta R.T. -0.010 min
Lab File: VN067889.D
Acq: 23 Jul 2021 18:56

Tgt Ion: 59 Resp: 376
Ion Ratio Lower Upper
59 100
57 0.0 8.7 13.1#

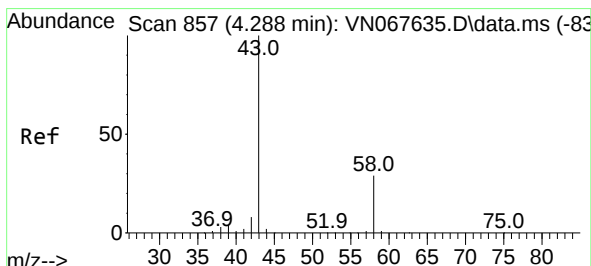
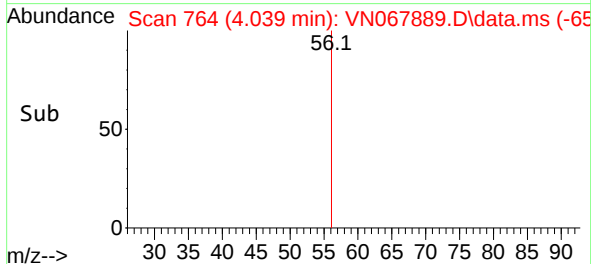
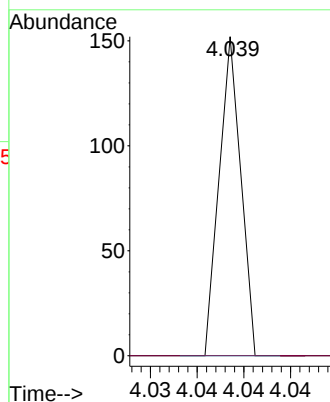
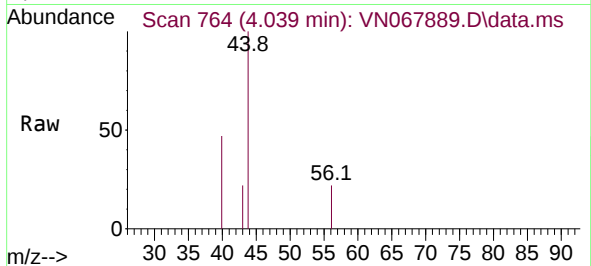




#13
Acrolein
Concen: Below Cal
RT: 4.039 min Scan# 764
Delta R.T. -0.000 min
Lab File: VN067889.D
Acq: 23 Jul 2021 18:56

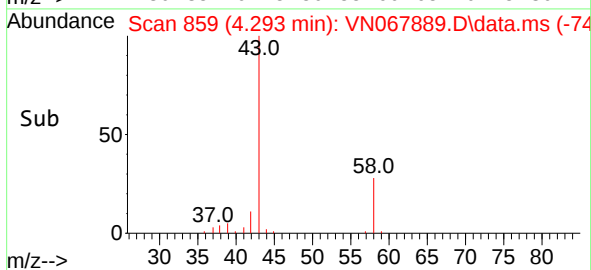
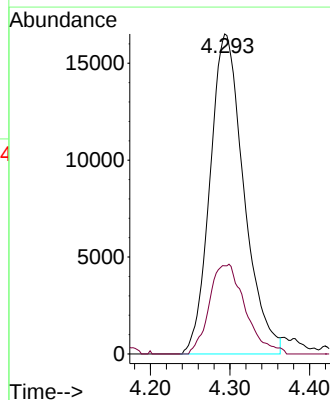
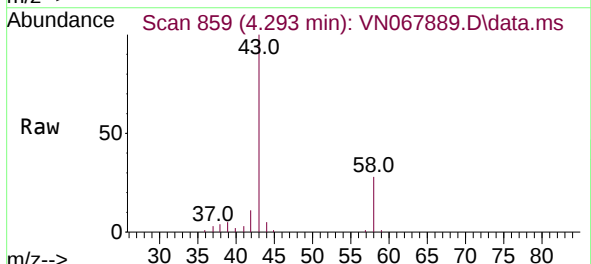
Instrument :
MSVOA_N
ClientSampled :

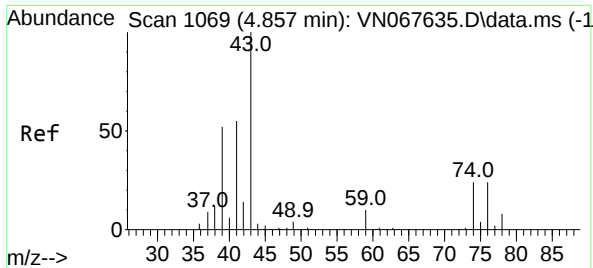
Tgt Ion: 56 Resp: 24
Ion Ratio Lower Upper
56 100
55 0.0 57.4 86.0#



#16
Acetone
Concen: 35.143 ug/l
RT: 4.293 min Scan# 859
Delta R.T. 0.005 min
Lab File: VN067889.D
Acq: 23 Jul 2021 18:56

Tgt Ion: 43 Resp: 48840
Ion Ratio Lower Upper
43 100
58 27.6 21.2 31.8

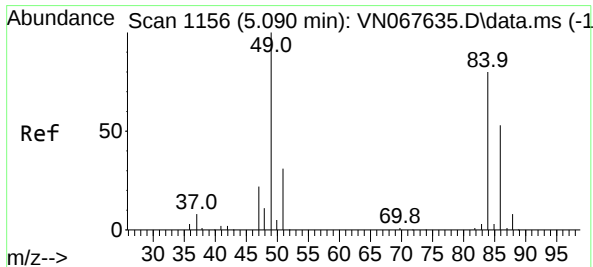
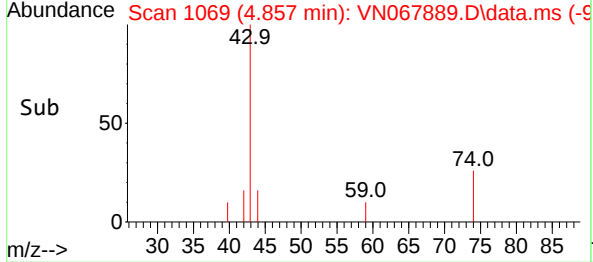
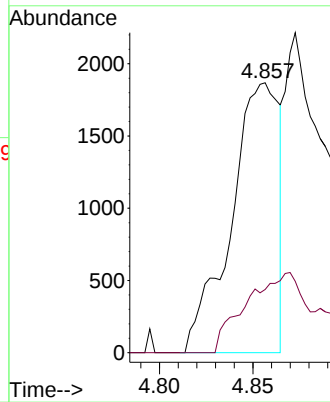
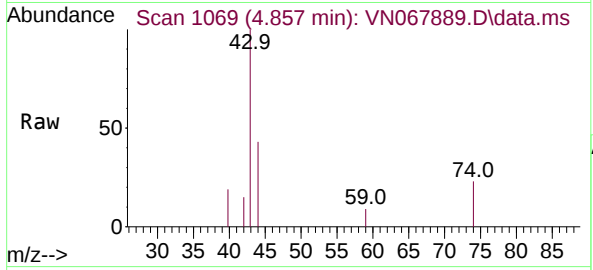




#18
Methyl Acetate
Concen: 0.852 ug/l
RT: 4.857 min Scan# 1069
Delta R.T. -0.000 min
Lab File: VN067889.D
Acq: 23 Jul 2021 18:56

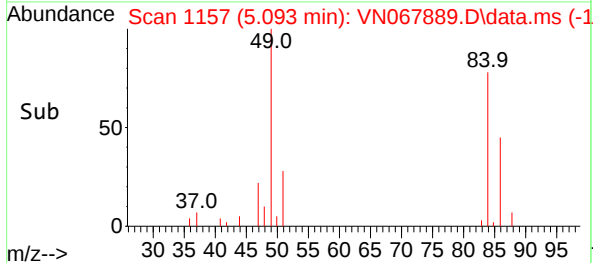
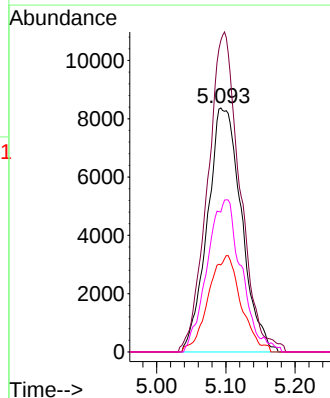
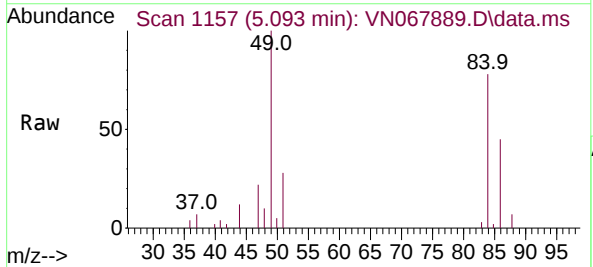
Instrument :
MSVOA_N
ClientSampled :

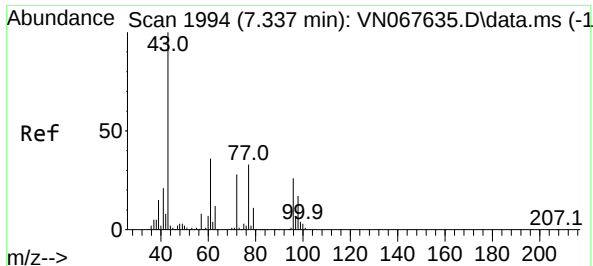
Tgt Ion: 43 Resp: 3326
Ion Ratio Lower Upper
43 100
74 36.3 17.4 26.0#



#20
Methylene Chloride
Concen: 8.256 ug/l
RT: 5.093 min Scan# 1157
Delta R.T. 0.003 min
Lab File: VN067889.D
Acq: 23 Jul 2021 18:56

Tgt Ion: 84 Resp: 28671
Ion Ratio Lower Upper
84 100
49 125.6 110.9 166.3
51 35.7 32.6 49.0
86 57.4 51.6 77.4

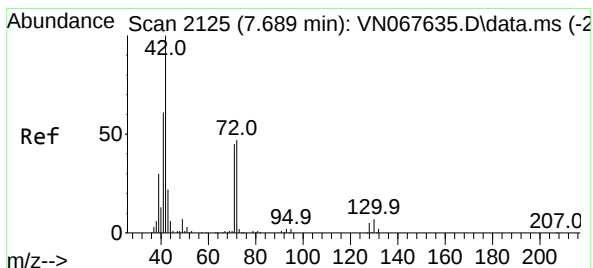
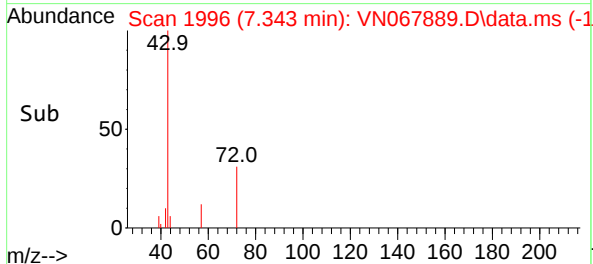
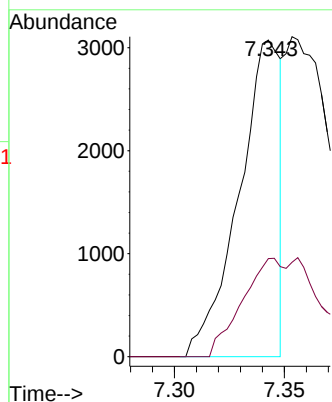
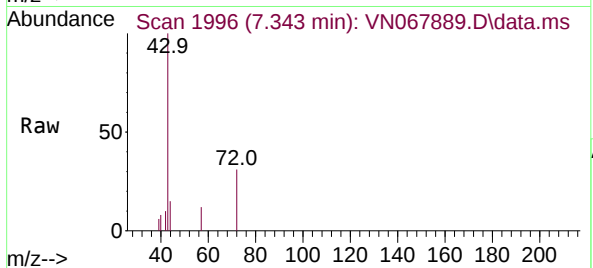




#25
2-Butanone
Concen: 1.745 ug/l
RT: 7.343 min Scan# 1996
Delta R.T. 0.006 min
Lab File: VN067889.D
Acq: 23 Jul 2021 18:56

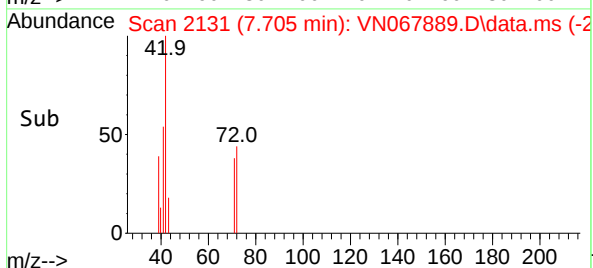
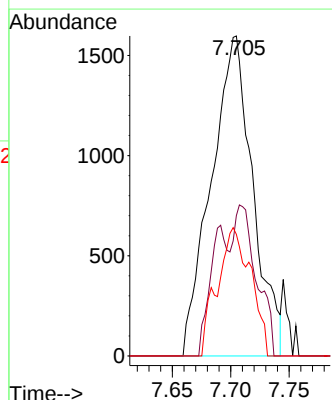
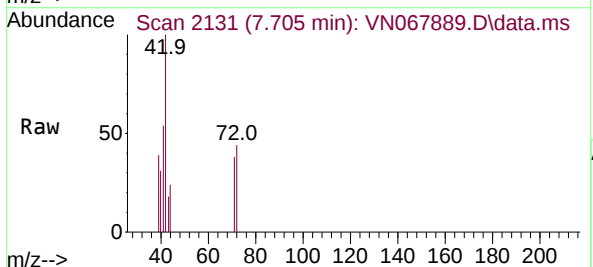
Instrument :
MSVOA_N
ClientSampled :

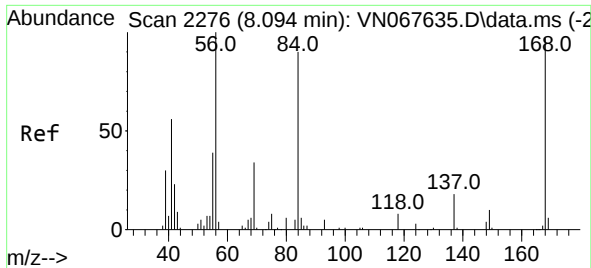
Tgt Ion: 43 Resp: 4027
Ion Ratio Lower Upper
43 100
72 31.0 19.7 29.5#



#29
Tetrahydrofuran
Concen: 2.606 ug/l
RT: 7.705 min Scan# 2131
Delta R.T. 0.016 min
Lab File: VN067889.D
Acq: 23 Jul 2021 18:56

Tgt Ion: 42 Resp: 3955
Ion Ratio Lower Upper
42 100
72 26.2 32.8 49.2#
71 32.2 31.2 46.8

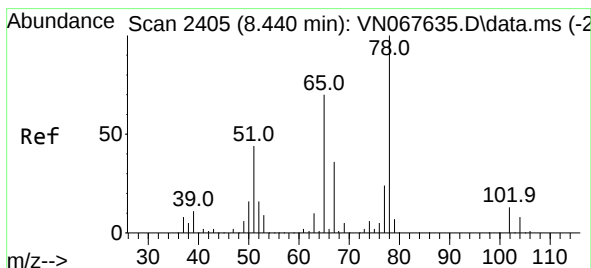
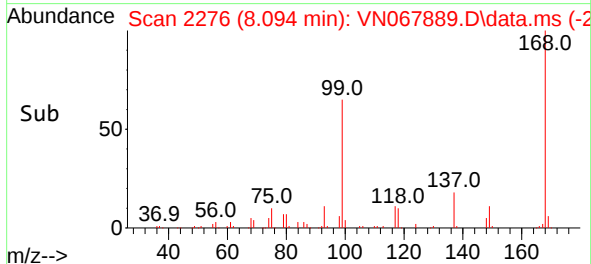
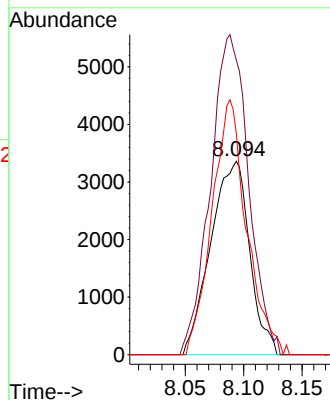
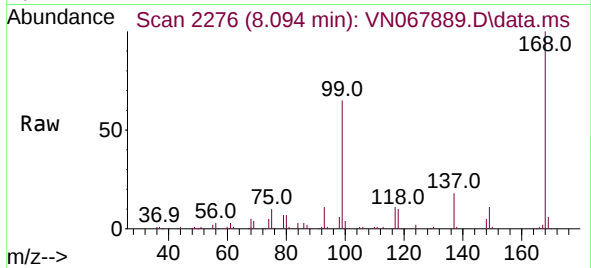




#31
Cyclohexane
Concen: 1.254 ug/l
RT: 8.094 min Scan# 2276
Delta R.T. -0.000 min
Lab File: VN067889.D
Acq: 23 Jul 2021 18:56

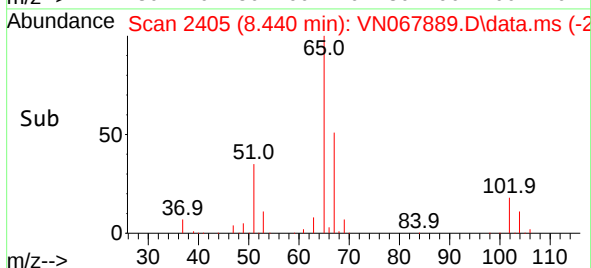
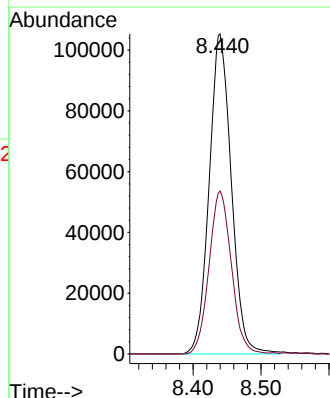
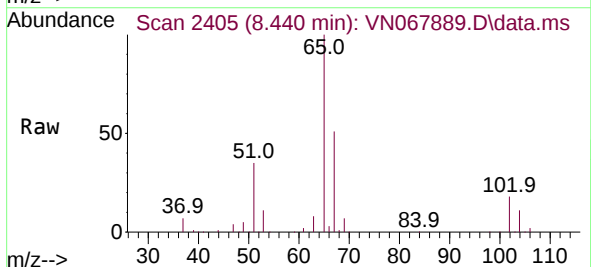
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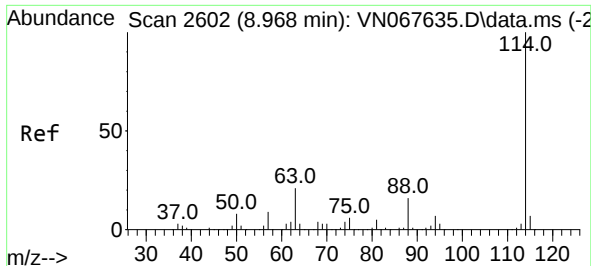
Tgt Ion: 56 Resp: 7767
Ion Ratio Lower Upper
56 100
69 152.1 27.3 40.9#
84 114.2 64.9 97.3#



#33
1,2-Dichloroethane-d4
Concen: 53.993 ug/l
RT: 8.440 min Scan# 2405
Delta R.T. -0.000 min
Lab File: VN067889.D
Acq: 23 Jul 2021 18:56

Tgt Ion: 65 Resp: 238466
Ion Ratio Lower Upper
65 100
67 51.2 0.0 98.6

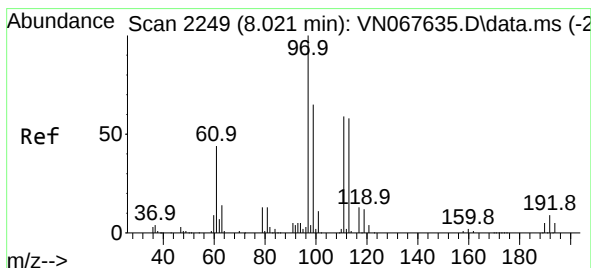
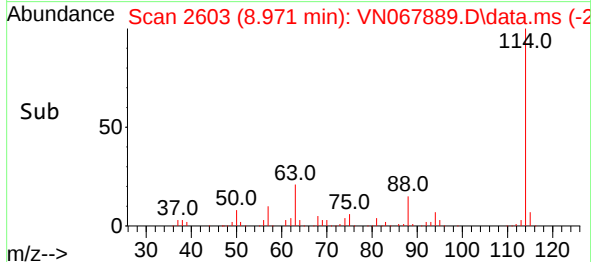
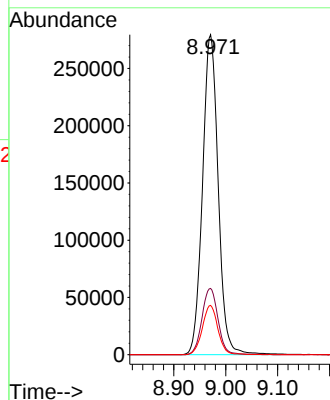
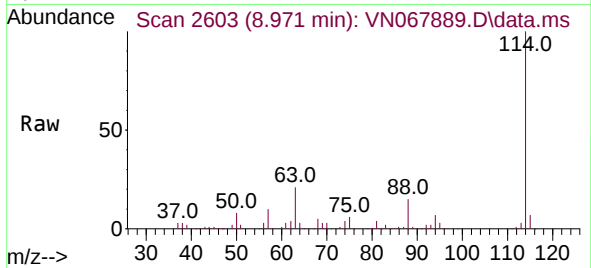




#34
1,4-Difluorobenzene
Concen: 50.000 ug/l
RT: 8.971 min Scan# 2603
Delta R.T. 0.003 min
Lab File: VN067889.D
Acq: 23 Jul 2021 18:56

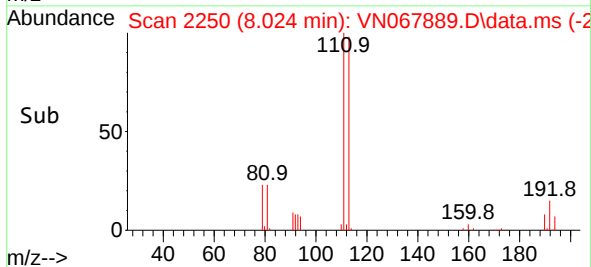
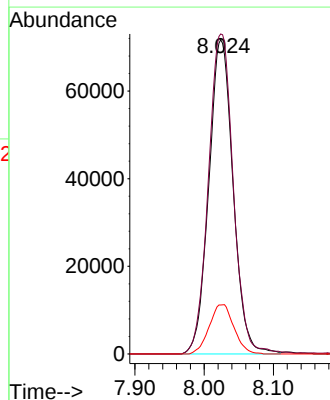
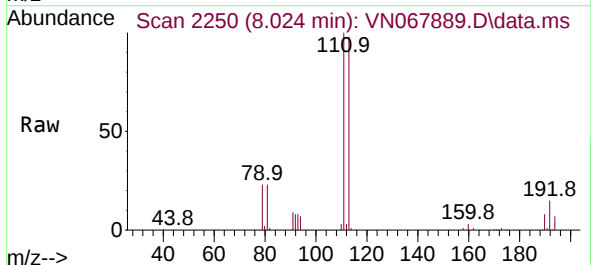
Instrument :
MSVOA_N
ClientSampled :

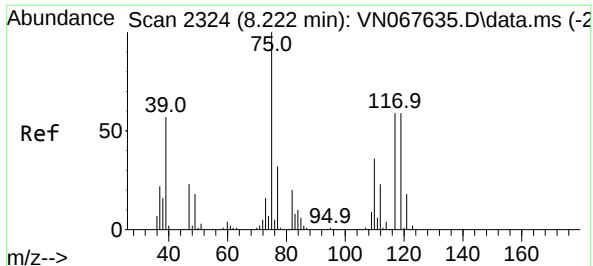
Tgt Ion:114 Resp: 586317
Ion Ratio Lower Upper
114 100
63 20.7 0.0 49.0
88 15.4 0.0 36.6



#35
Dibromofluoromethane
Concen: 49.327 ug/l
RT: 8.024 min Scan# 2250
Delta R.T. 0.003 min
Lab File: VN067889.D
Acq: 23 Jul 2021 18:56

Tgt Ion:113 Resp: 174735
Ion Ratio Lower Upper
113 100
111 104.3 83.8 125.8
192 16.0 13.4 20.0

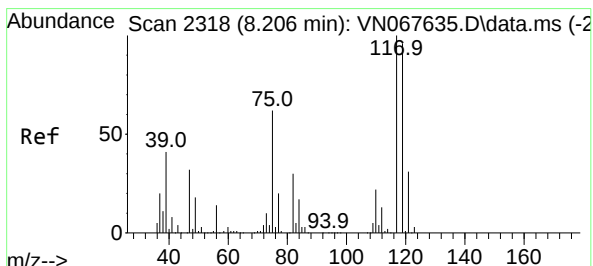
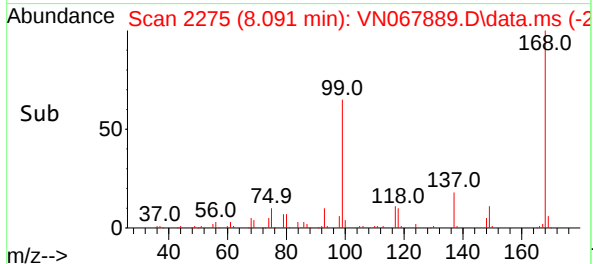
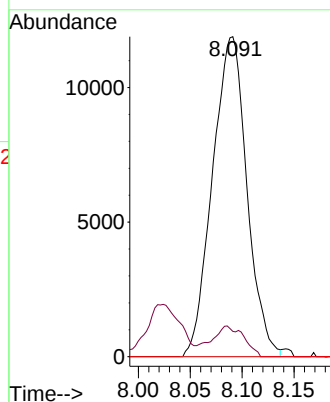
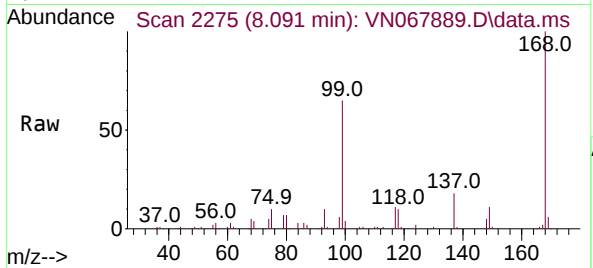




#36
1,1-Dichloropropene
Concen: 5.040 ug/l
RT: 8.091 min Scan# 2275
Delta R.T. -0.131 min
Lab File: VN067889.D
Acq: 23 Jul 2021 18:56

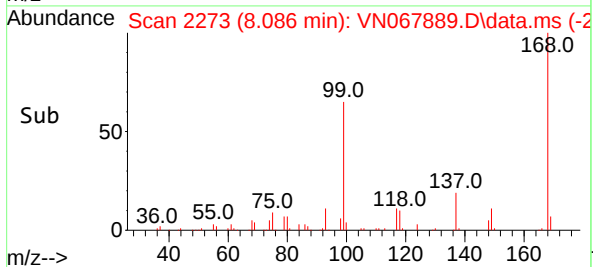
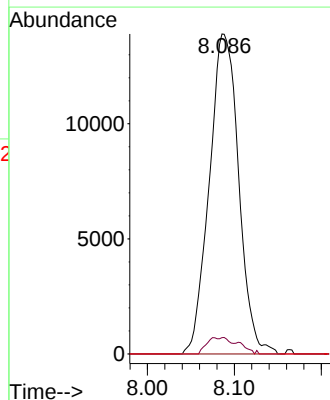
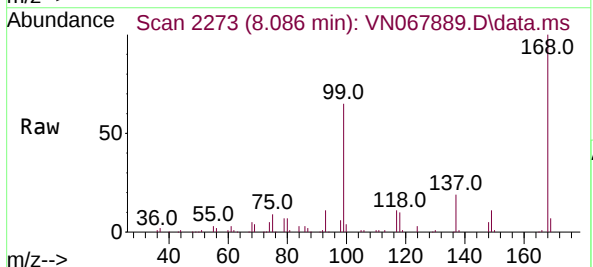
Instrument :
MSVOA_N
ClientSampled :

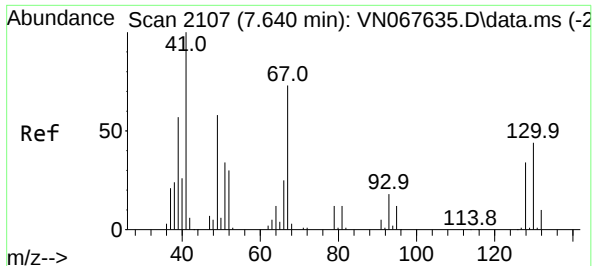
Tgt Ion: 75 Resp: 27450
Ion Ratio Lower Upper
75 100
110 9.0 15.7 47.0#
77 0.0 24.6 37.0#



#38
Carbon Tetrachloride
Concen: 6.085 ug/l
RT: 8.086 min Scan# 2273
Delta R.T. -0.120 min
Lab File: VN067889.D
Acq: 23 Jul 2021 18:56

Tgt Ion: 117 Resp: 32688
Ion Ratio Lower Upper
117 100
119 5.1 75.4 113.2#
121 0.0 23.5 35.3#

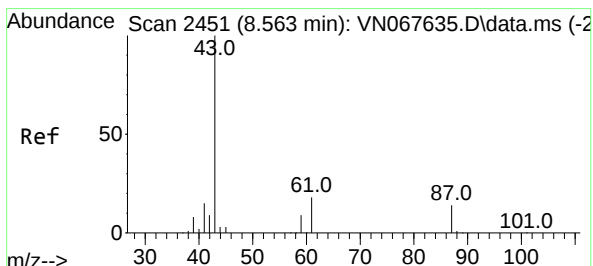
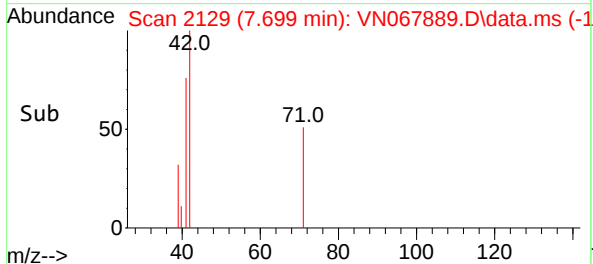
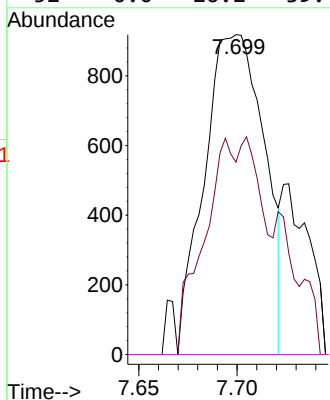
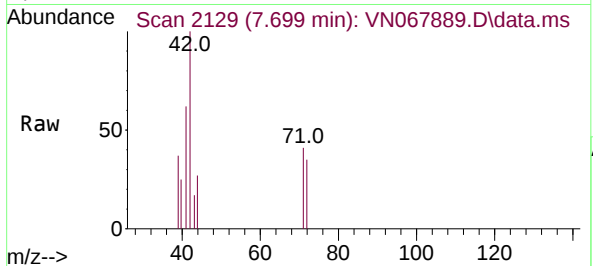




#41
Methacrylonitrile
Concen: 0.719 ug/l
RT: 7.699 min Scan# 2129
Delta R.T. 0.059 min
Lab File: VN067889.D
Acq: 23 Jul 2021 18:56

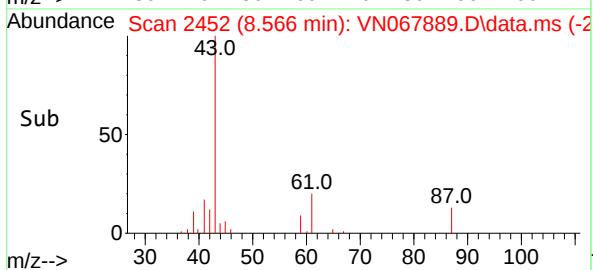
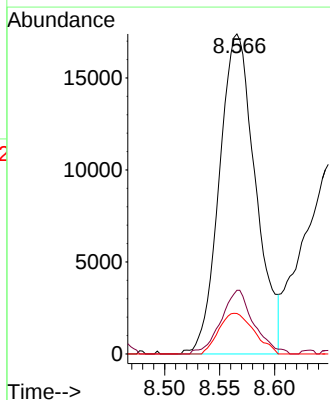
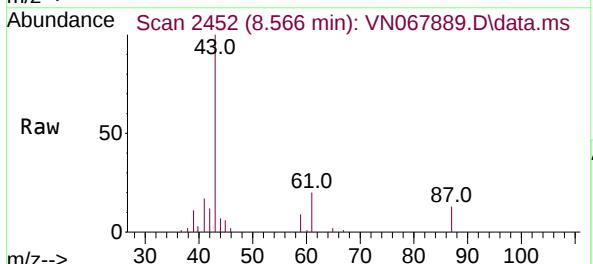
Instrument :
MSVOA_N
ClientSampled :

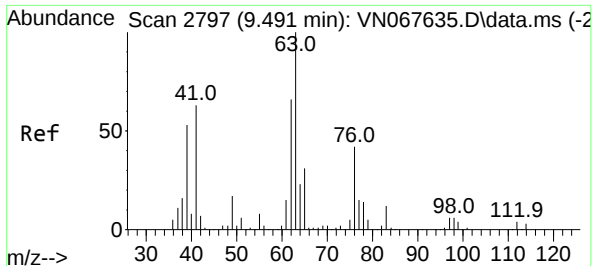
Tgt Ion:	41	Resp:	1951
Ion	Ratio	Lower	Upper
41	100		
39	36.6	47.6	71.4#
67	0.0	57.7	86.5#
52	0.0	26.2	39.4#



#43
Isopropyl Acetate
Concen: 4.297 ug/l
RT: 8.566 min Scan# 2452
Delta R.T. 0.003 min
Lab File: VN067889.D
Acq: 23 Jul 2021 18:56

Tgt Ion:	43	Resp:	39885
Ion	Ratio	Lower	Upper
43	100		
61	18.0	19.0	28.4#
87	12.3	9.5	14.3



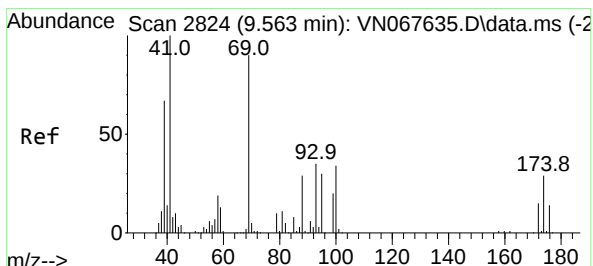
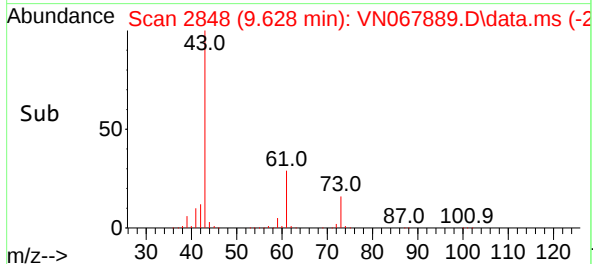
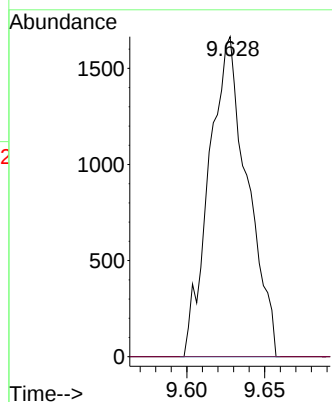
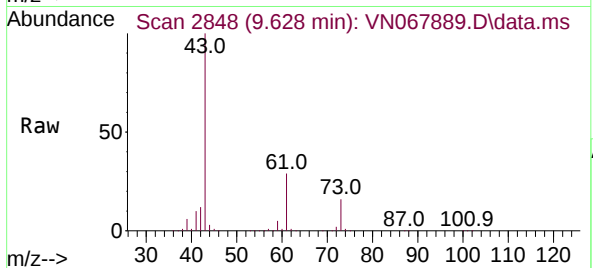


#45

1,2-Dichloropropane
Concen: 0.691 ug/l
RT: 9.628 min Scan# 2848
Delta R.T. 0.137 min
Lab File: VN067889.D
Acq: 23 Jul 2021 18:56

Instrument :
MSVOA_N
ClientSampled :

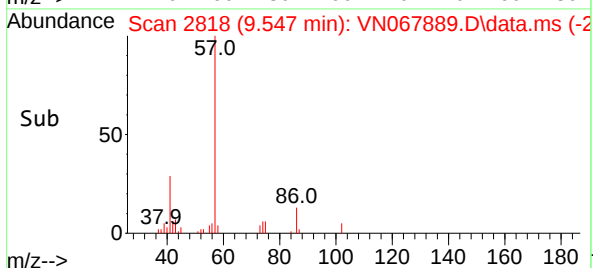
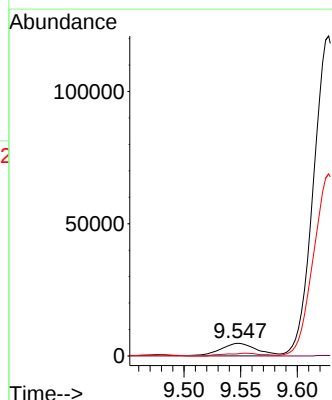
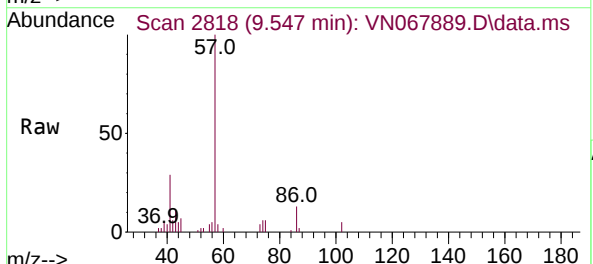
Tgt Ion: 63 Resp: 2851
Ion Ratio Lower Upper
63 100
65 0.0 24.3 36.5#

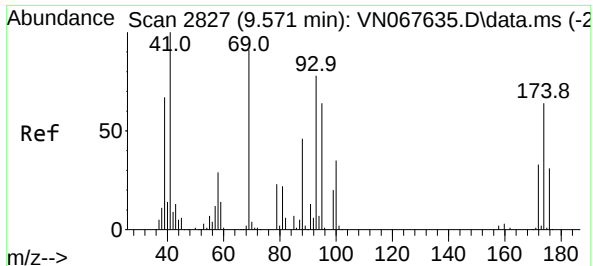


#48

Methyl methacrylate
Concen: 2.435 ug/l
RT: 9.547 min Scan# 2818
Delta R.T. -0.016 min
Lab File: VN067889.D
Acq: 23 Jul 2021 18:56

Tgt Ion: 41 Resp: 9996
Ion Ratio Lower Upper
41 100
69 0.0 64.6 96.8#
39 0.0 53.3 79.9#

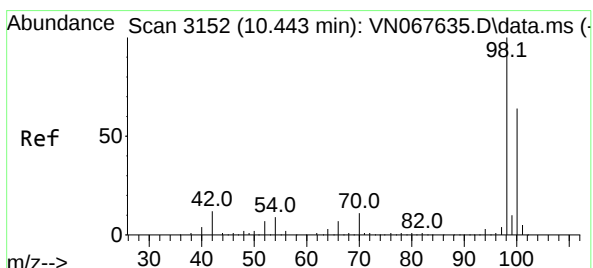
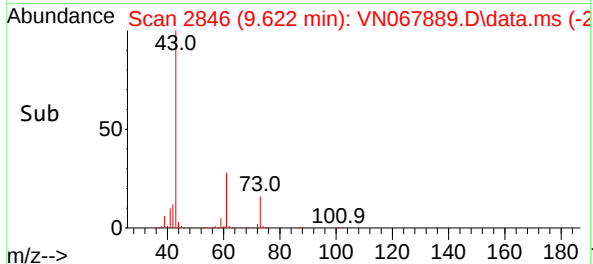
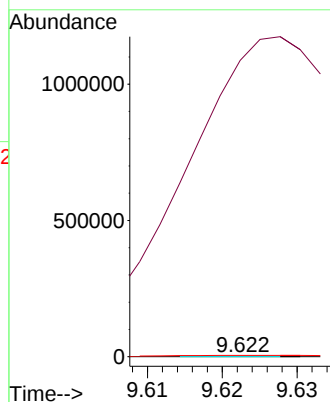
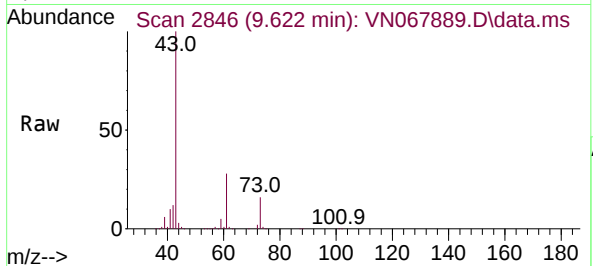




#49
1,4-Dioxane
Concen: 33.567 ug/l
RT: 9.622 min Scan# 2846
Delta R.T. 0.051 min
Lab File: VN067889.D
Acq: 23 Jul 2021 18:56

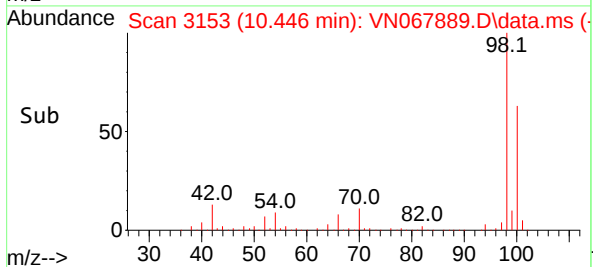
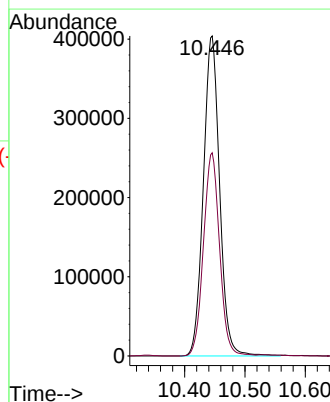
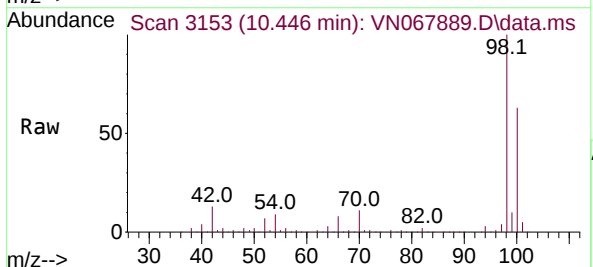
Instrument :
MSVOA_N
ClientSampled :

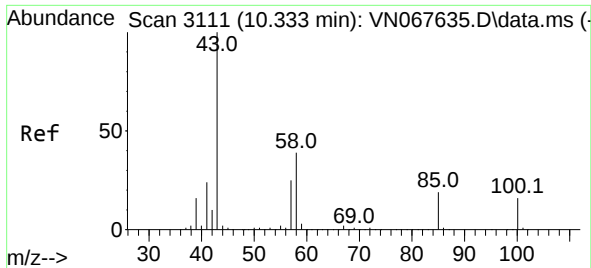
Tgt Ion: 88 Resp: 121
Ion Ratio Lower Upper
88 100
43 1809933.9 28.8 43.2#
58 8713.2 60.4 90.6#



#50
Toluene-d8
Concen: 51.058 ug/l
RT: 10.446 min Scan# 3153
Delta R.T. 0.003 min
Lab File: VN067889.D
Acq: 23 Jul 2021 18:56

Tgt Ion: 98 Resp: 757058
Ion Ratio Lower Upper
98 100
100 62.9 51.7 77.5

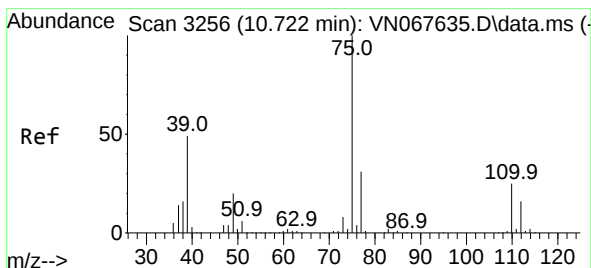
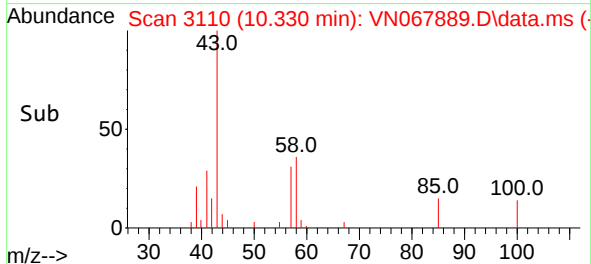
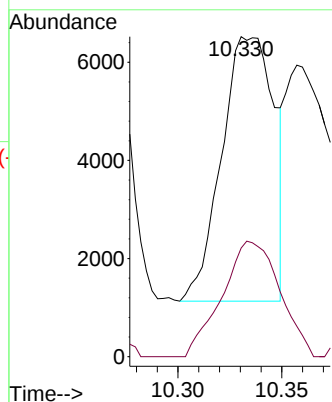
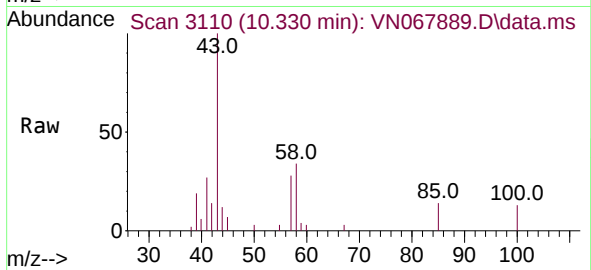




#51
4-Methyl-2-Pentanone
Concen: 1.660 ug/l
RT: 10.330 min Scan# 3110
Delta R.T. -0.003 min
Lab File: VN067889.D
Acq: 23 Jul 2021 18:56

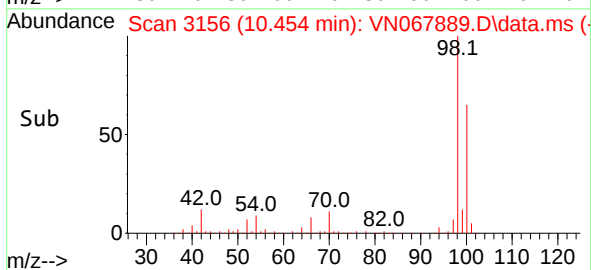
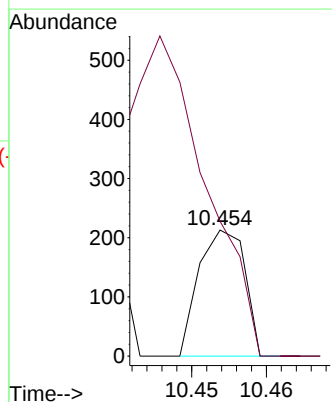
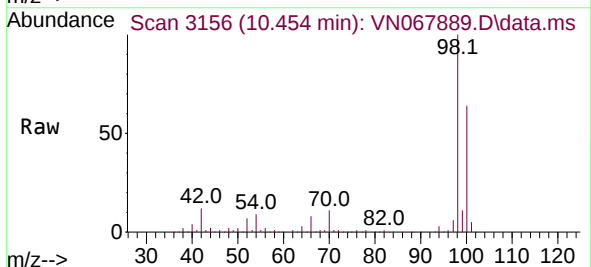
Instrument :
MSVOA_N
ClientSampled :

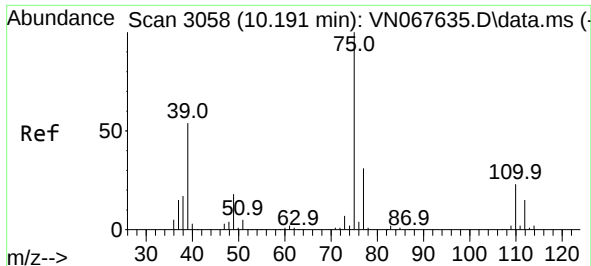
Tgt Ion: 43 Resp: 9468
Ion Ratio Lower Upper
43 100
58 47.9 28.6 43.0#



#53
t-1,3-Dichloropropene
Concen: 1.757 ug/l
RT: 10.454 min Scan# 3156
Delta R.T. -0.268 min
Lab File: VN067889.D
Acq: 23 Jul 2021 18:56

Tgt Ion: 75 Resp: 91
Ion Ratio Lower Upper
75 100
77 107.0 25.1 37.7#

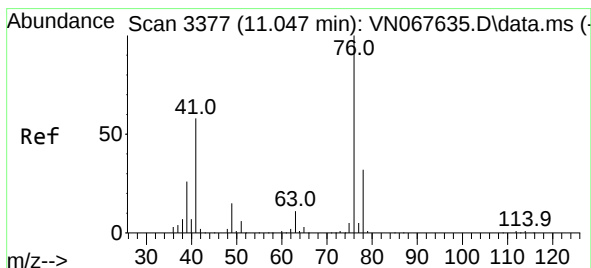
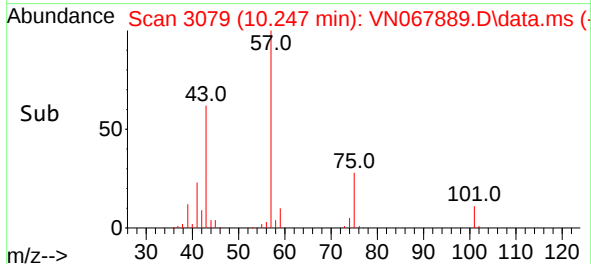
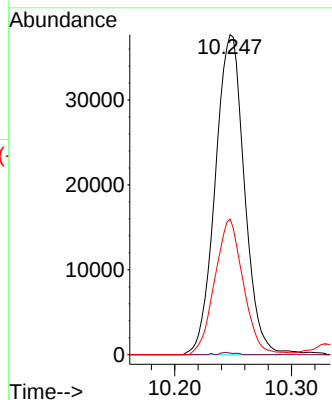
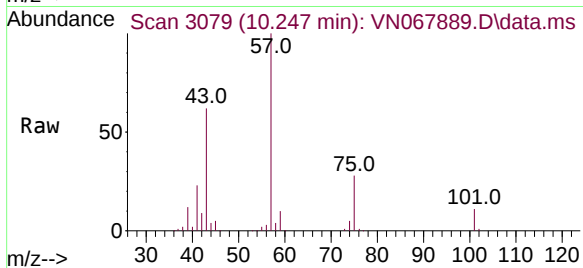




#54
 cis-1,3-Dichloropropene
 Concen: 10.209 ug/l
 RT: 10.247 min Scan# 3079
 Delta R.T. 0.056 min
 Lab File: VN067889.D
 Acq: 23 Jul 2021 18:56

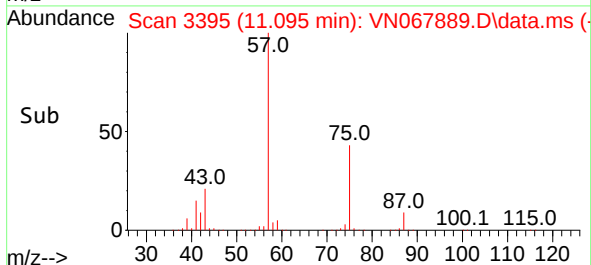
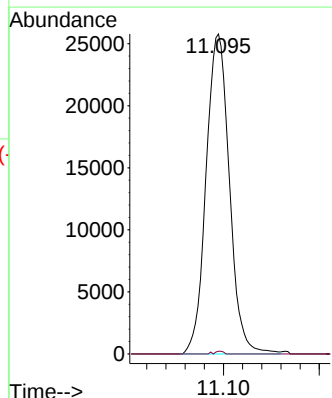
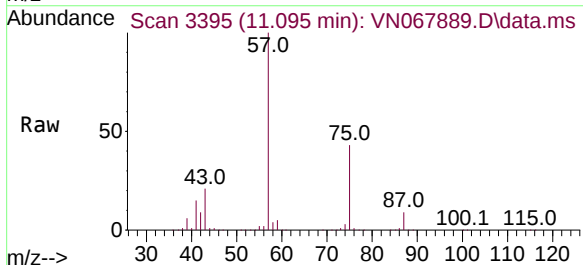
Instrument :
 MSVOA_N
 ClientSampled :

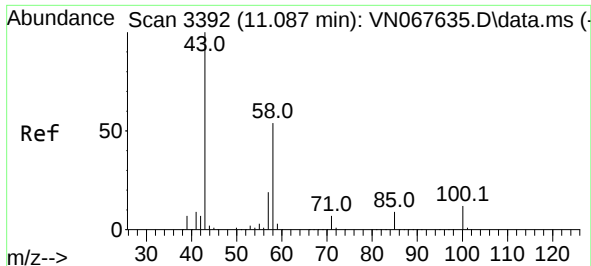
Tgt Ion: 75 Resp: 65005
 Ion Ratio Lower Upper
 75 100
 77 0.5 24.6 37.0#
 39 42.4 50.7 76.1#



#57
 1,3-Dichloropropane
 Concen: 6.218 ug/l
 RT: 11.095 min Scan# 3395
 Delta R.T. 0.048 min
 Lab File: VN067889.D
 Acq: 23 Jul 2021 18:56

Tgt Ion: 76 Resp: 43633
 Ion Ratio Lower Upper
 76 100
 78 0.3 25.7 38.5#

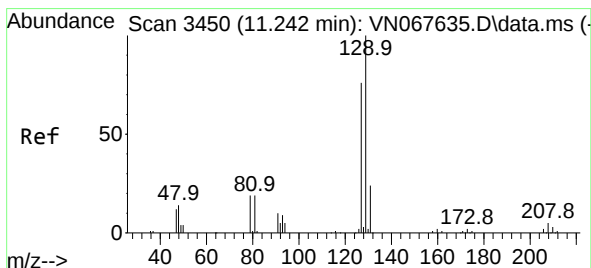
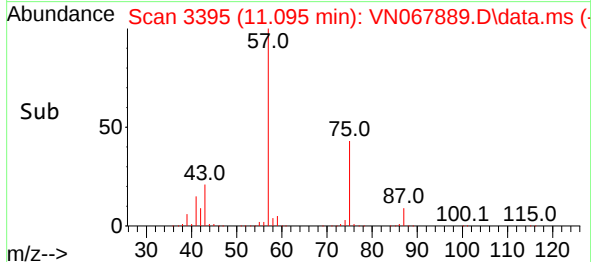
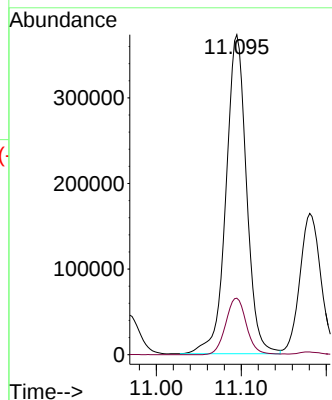
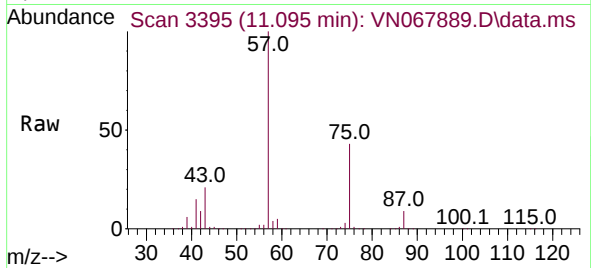




#59
2-Hexanone
Concen: 157.432 ug/l
RT: 11.095 min Scan# 3395
Delta R.T. 0.008 min
Lab File: VN067889.D
Acq: 23 Jul 2021 18:56

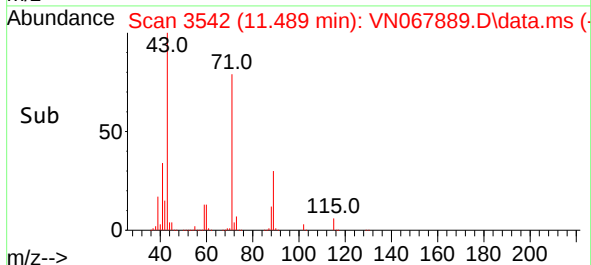
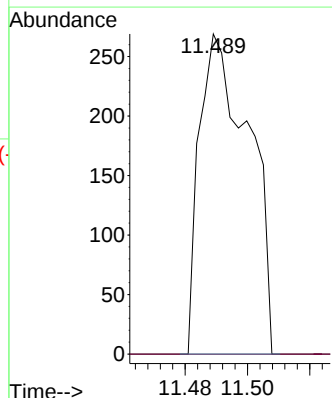
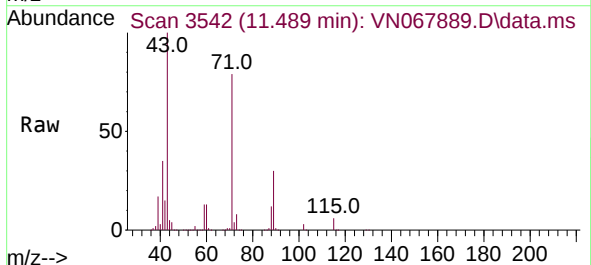
Instrument :
MSVOA_N
ClientSampled :

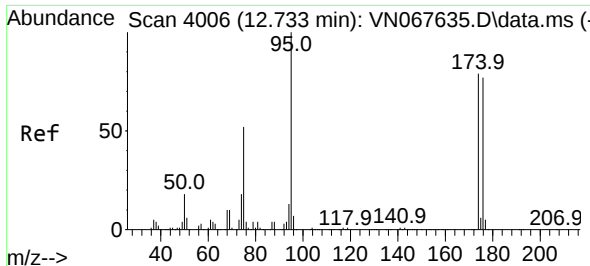
Tgt Ion: 43 Resp: 626671
Ion Ratio Lower Upper
43 100
58 18.0 24.7 74.1#



#60
Dibromochloromethane
Concen: 2.413 ug/l
RT: 11.489 min Scan# 3542
Delta R.T. 0.247 min
Lab File: VN067889.D
Acq: 23 Jul 2021 18:56

Tgt Ion: 129 Resp: 297
Ion Ratio Lower Upper
129 100
127 0.0 38.6 115.8#

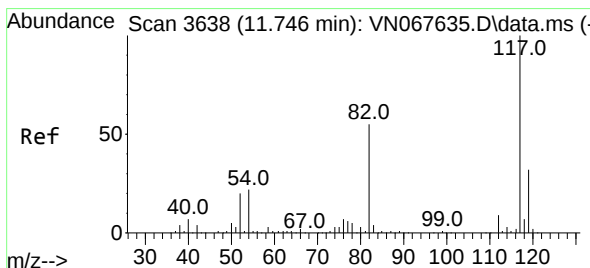
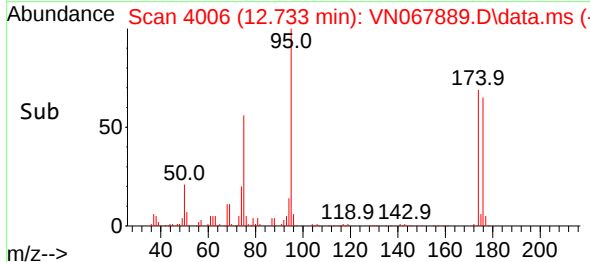
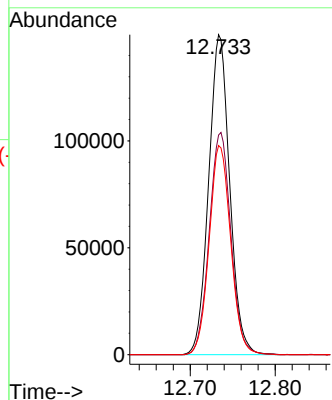
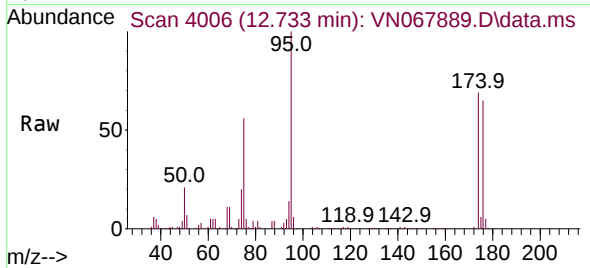




#62
4-Bromofluorobenzene
Concen: 49.047 ug/l
RT: 12.733 min Scan# 4006
Delta R.T. 0.000 min
Lab File: VN067889.D
Acq: 23 Jul 2021 18:56

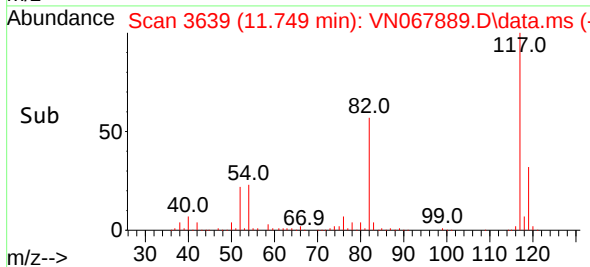
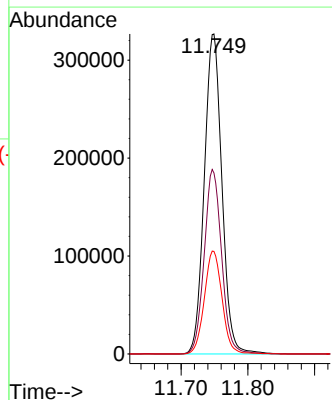
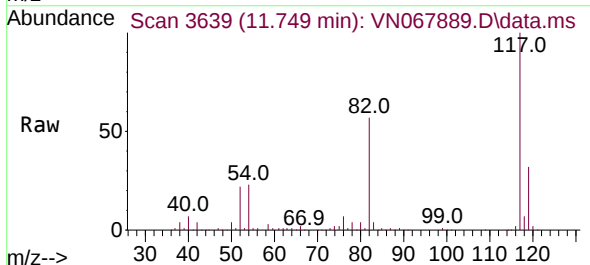
Instrument :
MSVOA_N
ClientSampled :

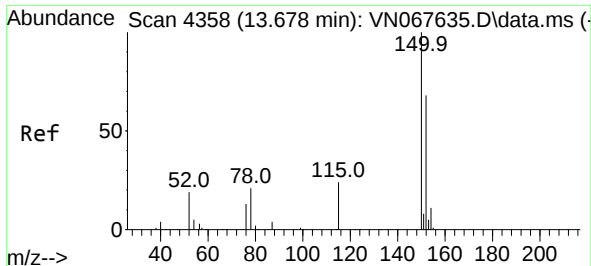
Tgt Ion: 95 Resp: 256904
Ion Ratio Lower Upper
95 100
174 71.7 0.0 122.0
176 67.0 0.0 117.6



#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 11.749 min Scan# 3639
Delta R.T. 0.003 min
Lab File: VN067889.D
Acq: 23 Jul 2021 18:56

Tgt Ion: 117 Resp: 599113
Ion Ratio Lower Upper
117 100
82 56.6 53.1 79.7
119 32.0 25.5 38.3

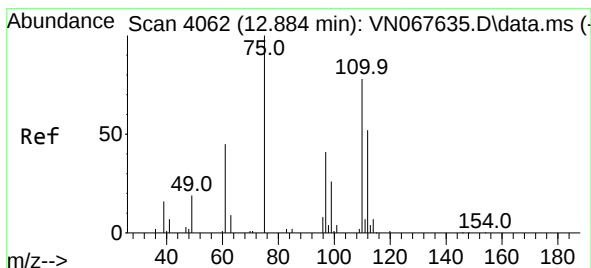
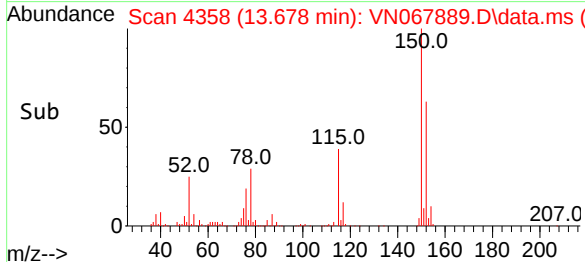
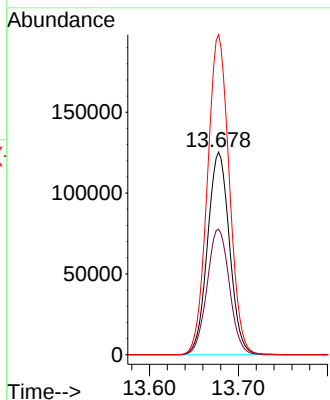
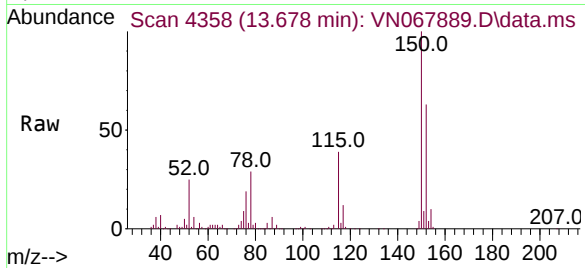




#72
1,4-Dichlorobenzene-d4
Concen: 50.000 ug/l
RT: 13.678 min Scan# 4358
Delta R.T. -0.000 min
Lab File: VN067889.D
Acq: 23 Jul 2021 18:56

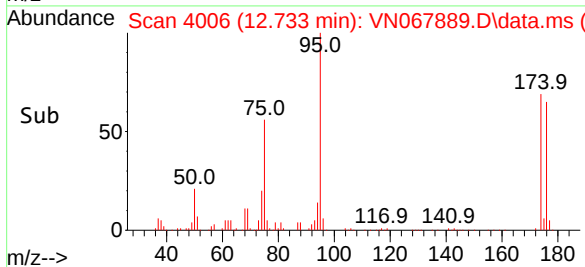
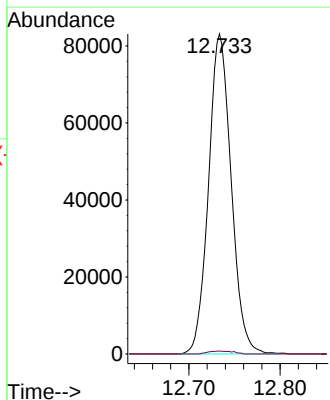
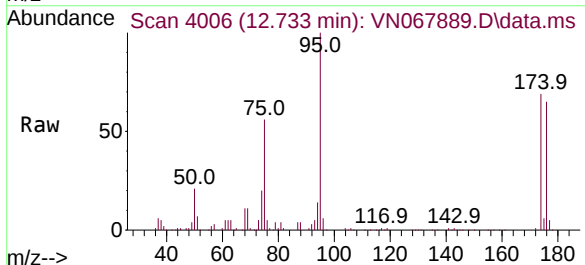
Instrument :
MSVOA_N
ClientSampled :

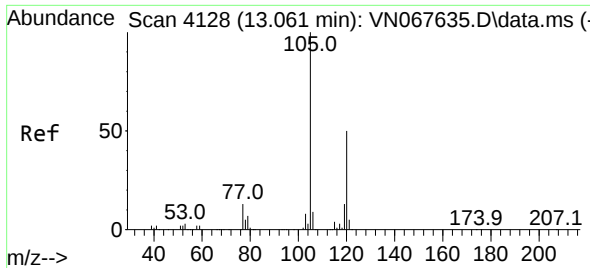
Tgt Ion:152 Resp: 214834
Ion Ratio Lower Upper
152 100
115 63.1 36.1 108.5
150 157.2 0.0 351.8



#76
1,2,3-Trichloropropane
Concen: 32.711 ug/l
RT: 12.733 min Scan# 4006
Delta R.T. -0.151 min
Lab File: VN067889.D
Acq: 23 Jul 2021 18:56

Tgt Ion: 75 Resp: 143511
Ion Ratio Lower Upper
75 100
77 1.0 0.0 0.0#

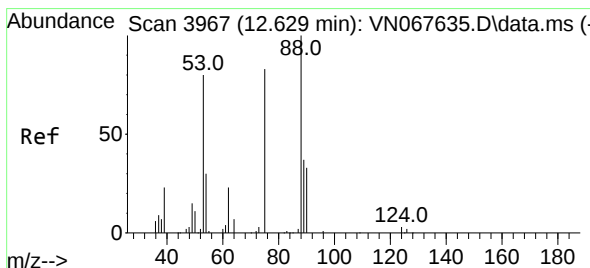
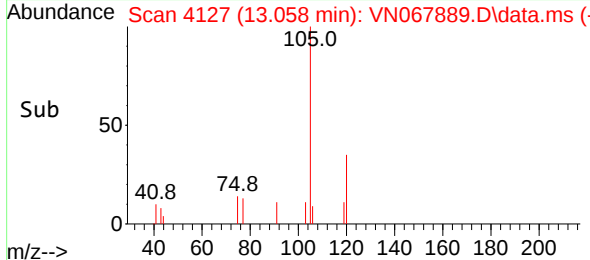
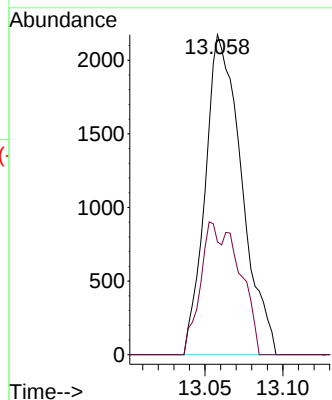
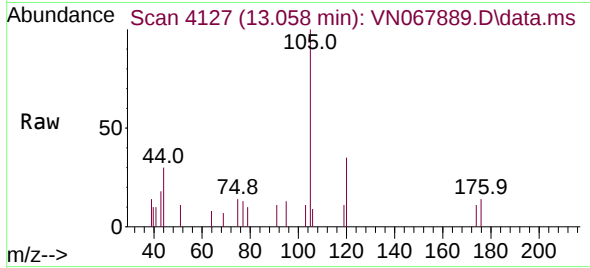




#80
1,3,5-Trimethylbenzene
Concen: 0.251 ug/l
RT: 13.058 min Scan# 4127
Delta R.T. -0.003 min
Lab File: VN067889.D
Acq: 23 Jul 2021 18:56

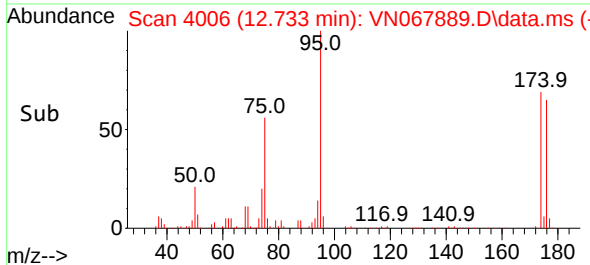
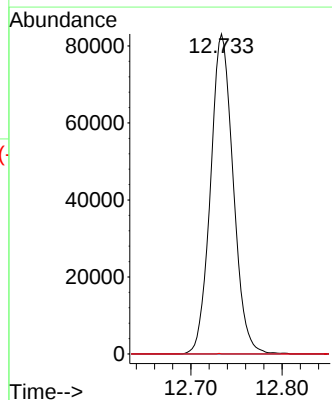
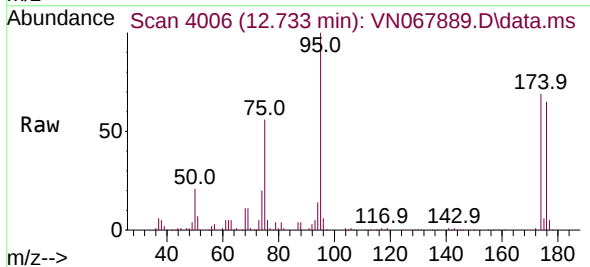
Instrument :
MSVOA_N
ClientSampled :

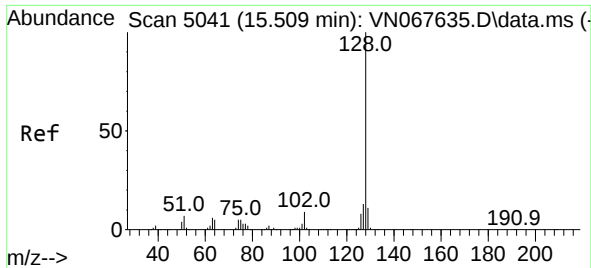
Tgt Ion:105 Resp: 3521
Ion Ratio Lower Upper
105 100
120 23.9 22.2 66.6



#81
trans-1,4-Dichloro-2-butene
Concen: 105.462 ug/l
RT: 12.733 min Scan# 4006
Delta R.T. 0.104 min
Lab File: VN067889.D
Acq: 23 Jul 2021 18:56

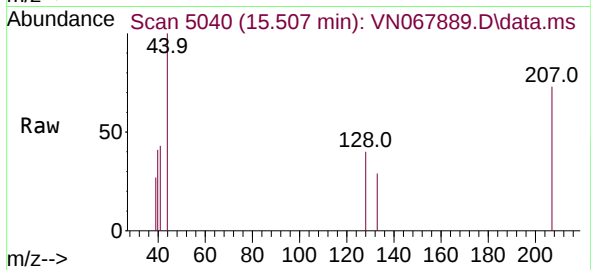
Tgt Ion: 75 Resp: 143511
Ion Ratio Lower Upper
75 100
53 0.0 87.6 131.4#
89 0.0 37.8 56.8#





#95
Naphthalene
Concen: 3.035 ug/l
RT: 15.507 min Scan# 5040
Delta R.T. -0.002 min
Lab File: VN067889.D
Acq: 23 Jul 2021 18:56

Instrument :
MSVOA_N
ClientSampleId :



Tgt Ion:	128	Resp:	252
Ion Ratio	Lower	Upper	
128	100		
127	0.0	10.6	15.8#
129	0.0	8.6	12.8#

