

Data Path : Z:\voasrv\HPCHEM1\MSVOA_N\Data\VN081721\
 Data File : VN068146.D
 Acq On : 17 Aug 2021 16:28
 Operator : JC/MD
 Sample : M3408-12
 Misc : 5.00mL/MSVOA_N/WATER
 ALS Vial : 15 Sample Multiplier: 1

Instrument :
 MSVOA_N
 ClientSampleId :
 34S

Quant Time: Aug 17 16:56:11 2021
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA_N\methods\82N081721W.M
 Quant Title : SW846 8260
 QLast Update : Tue Aug 17 13:09:49 2021
 Response via : Initial Calibration

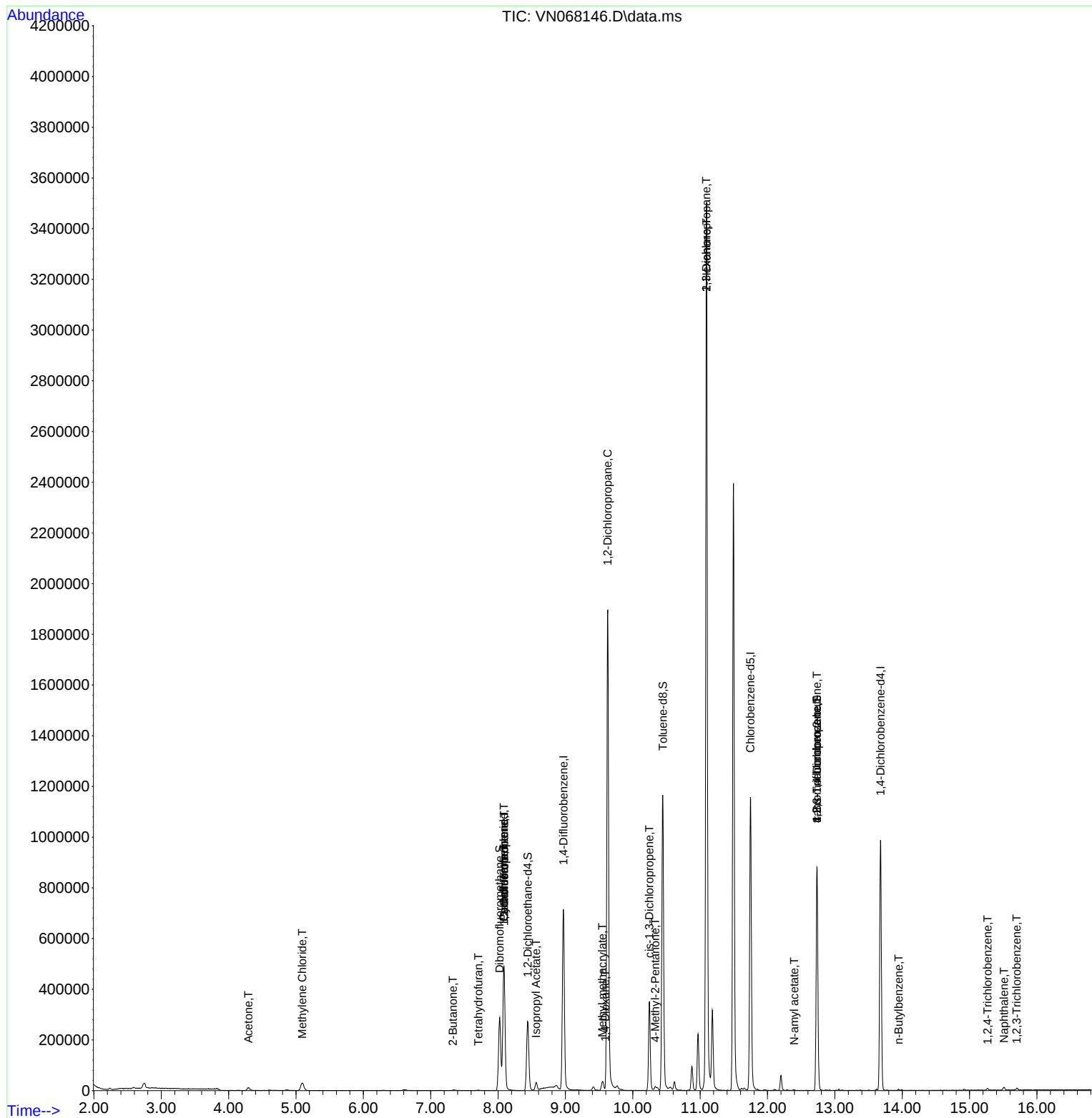
Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
Internal Standards						
1) Pentafluorobenzene	8.088	168	416158	50.000	ug/l	# 0.00
34) 1,4-Difluorobenzene	8.971	114	687948	50.000	ug/l	0.00
63) Chlorobenzene-d5	11.747	117	752758	50.000	ug/l	# 0.00
72) 1,4-Dichlorobenzene-d4	13.678	152	297369	50.000	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	8.440	65	231669	52.137	ug/l	0.00
Spiked Amount 50.000	Range 61	- 141	Recovery	= 104.280%		
35) Dibromofluoromethane	8.024	113	209068	48.405	ug/l	0.00
Spiked Amount 50.000	Range 69	- 133	Recovery	= 96.820%		
50) Toluene-d8	10.446	98	869802	52.852	ug/l	0.00
Spiked Amount 50.000	Range 65	- 126	Recovery	= 105.700%		
62) 4-Bromofluorobenzene	12.733	95	297214	54.250	ug/l	0.00
Spiked Amount 50.000	Range 58	- 135	Recovery	= 108.500%		
Target Compounds						
					Qvalue	
5) Bromomethane	2.842	94	243	Below Cal	#	50
6) Chloroethane	2.928	64	25	Below Cal	#	44
13) Acrolein	4.036	56	152	Below Cal	#	75
16) Acetone	4.293	43	21790	16.796	ug/l	97
18) Methyl Acetate	4.870	43	5736	Below Cal	#	59
20) Methylene Chloride	5.093	84	26461	5.479	ug/l	# 81
25) 2-Butanone	7.329	43	628	0.311	ug/l	# 51
29) Tetrahydrofuran	7.707	42	992	0.767	ug/l	# 85
31) Cyclohexane	8.086	56	7509	1.283	ug/l	# 5
36) 1,1-Dichloropropene	8.091	75	27308	4.856	ug/l	# 53
38) Carbon Tetrachloride	8.088	117	38077	5.870	ug/l	# 17
43) Isopropyl Acetate	8.566	43	35551	4.632	ug/l	# 93
45) 1,2-Dichloropropane	9.628	63	2434	0.603	ug/l	# 44
48) Methyl methacrylate	9.550	41	9117	2.851	ug/l	# 12
49) 1,4-Dioxane	9.590	88	83	1.074	ug/l	# 20
51) 4-Methyl-2-Pentanone	10.336	43	6542	1.388	ug/l	# 57
54) cis-1,3-Dichloropropene	10.245	75	70218	10.781	ug/l	# 56
57) 1,3-Dichloropropane	11.092	76	39868	5.535	ug/l	# 43
59) 2-Hexanone	11.095	43	495780	151.460	ug/l	# 58
74) N-amyl acetate	12.398	43	2493	0.453	ug/l	# 77
76) 1,2,3-Trichloropropane	12.733	75	150665	30.483	ug/l	# 100
81) trans-1,4-Dichloro-2-b...	12.733	75	150665	99.868	ug/l	# 6
89) n-Butylbenzene	13.946	91	3149	0.256	ug/l	93
93) 1,2,4-Trichlorobenzene	15.268	180	3167	3.289	ug/l	# 83
95) Naphthalene	15.512	128	11721	4.281	ug/l	# 95
96) 1,2,3-Trichlorobenzene	15.700	180	3196	3.472	ug/l	# 90

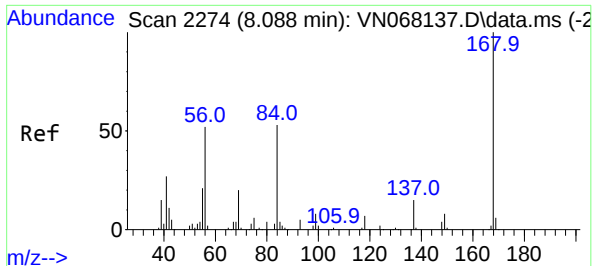
(#) = qualifier out of range (m) = manual integration (+) = signals summed

Data Path : Z:\voasrv\HPCHEM1\MSVOA_N\Data\VN081721\
Data File : VN068146.D
Acq On : 17 Aug 2021 16:28
Operator : JC/MD
Sample : M3408-12
Misc : 5.00mL/MSVOA_N/WATER
ALS Vial : 15 Sample Multiplier: 1

Instrument :
MSVOA_N
ClientSampleId :
34S

Quant Time: Aug 17 16:56:11 2021
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_N\methods\82N081721W.M
Quant Title : SW846 8260
QLast Update : Tue Aug 17 13:09:49 2021
Response via : Initial Calibration

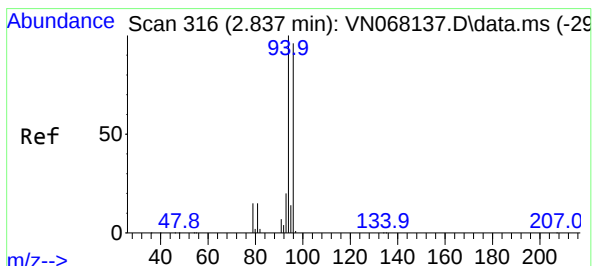
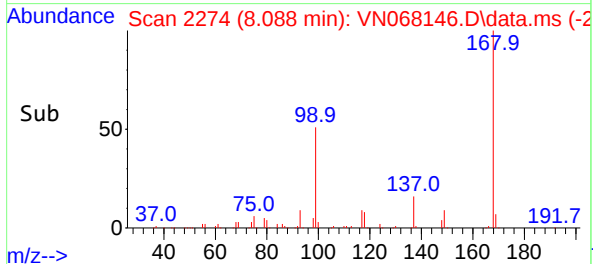
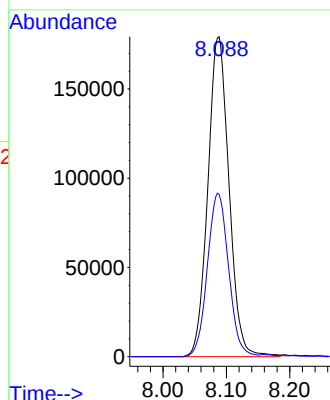
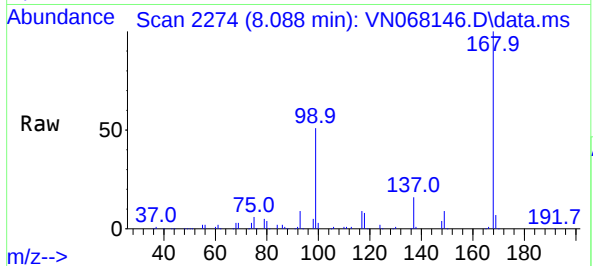




#1
Pentafluorobenzene
Concen: 50.000 ug/l
RT: 8.088 min Scan# 2274
Delta R.T. 0.000 min
Lab File: VN068146.D
Acq: 17 Aug 2021 16:28

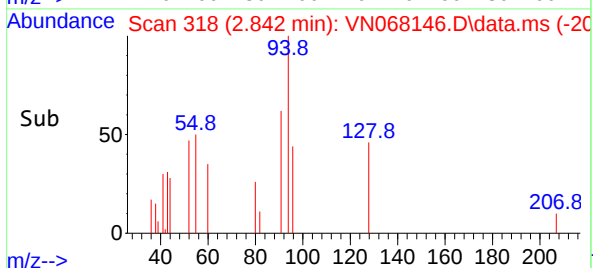
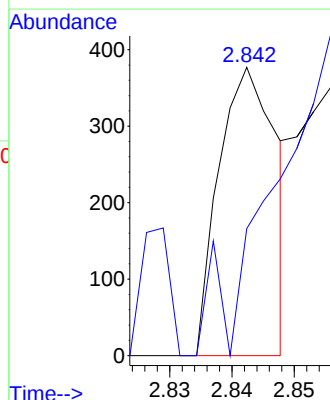
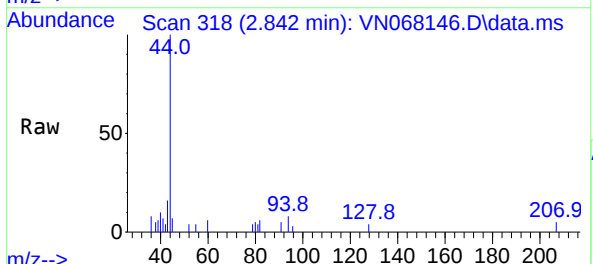
Instrument :
MSVOA_N
ClientSampled :
34S

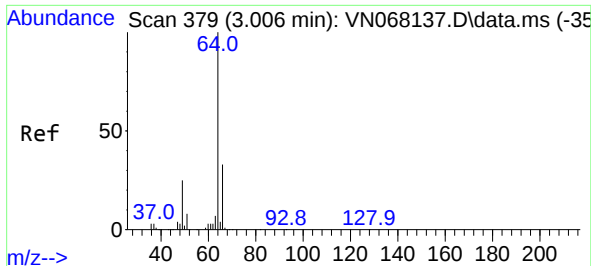
Tgt Ion:168 Resp: 416158
Ion Ratio Lower Upper
168 100
99 50.7 62.9 94.3#



#5
Bromomethane
Concen: Below Cal
RT: 2.842 min Scan# 318
Delta R.T. 0.005 min
Lab File: VN068146.D
Acq: 17 Aug 2021 16:28

Tgt Ion: 94 Resp: 243
Ion Ratio Lower Upper
94 100
96 44.0 73.7 110.5#

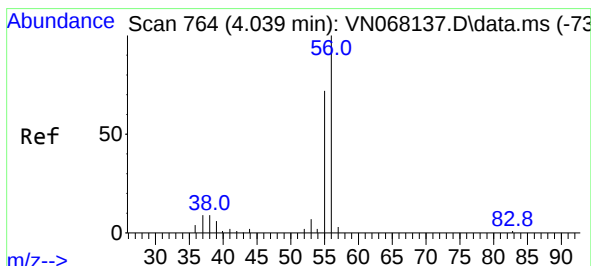
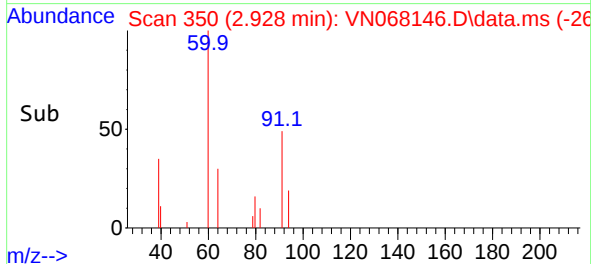
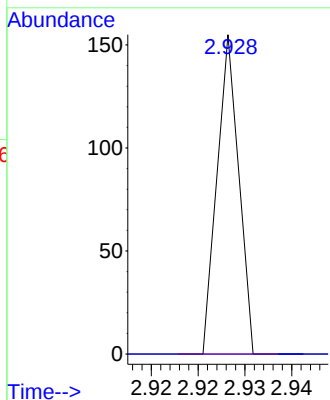
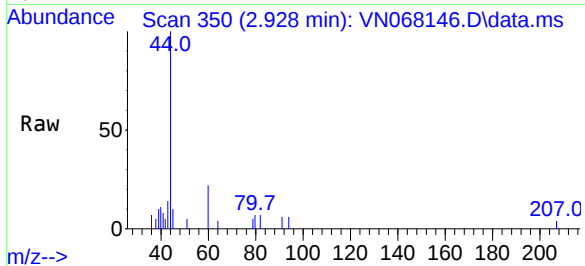




#6
Chloroethane
Concen: Below Cal
RT: 2.928 min Scan# 350
Delta R.T. -0.078 min
Lab File: VN068146.D
Acq: 17 Aug 2021 16:28

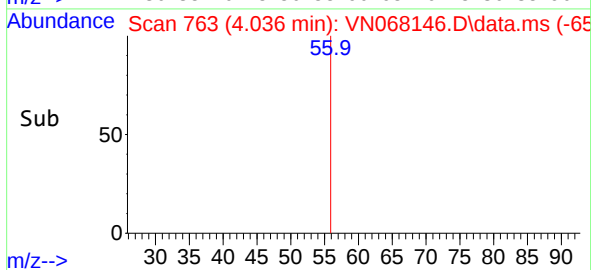
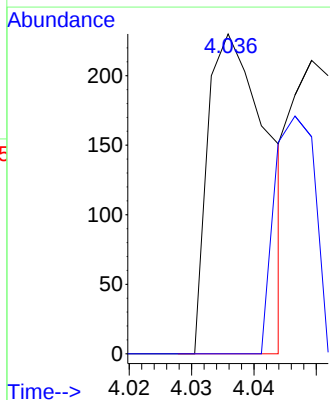
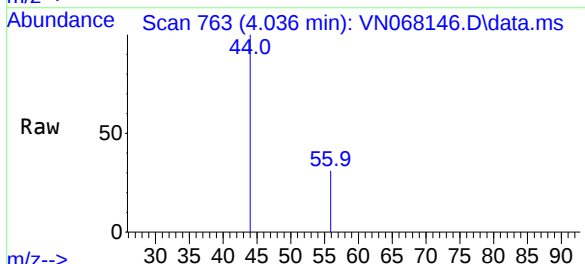
Instrument :
MSVOA_N
ClientSampled :
34S

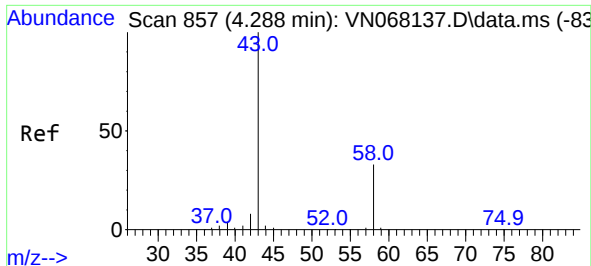
Tgt Ion: 64 Resp: 25
Ion Ratio Lower Upper
64 100
66 0.0 24.7 37.1#



#13
Acrolein
Concen: Below Cal
RT: 4.036 min Scan# 763
Delta R.T. -0.003 min
Lab File: VN068146.D
Acq: 17 Aug 2021 16:28

Tgt Ion: 56 Resp: 152
Ion Ratio Lower Upper
56 100
55 50.7 57.4 86.0#

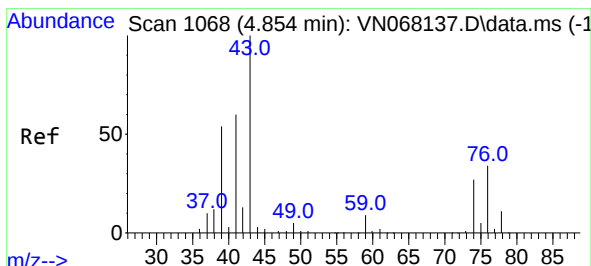
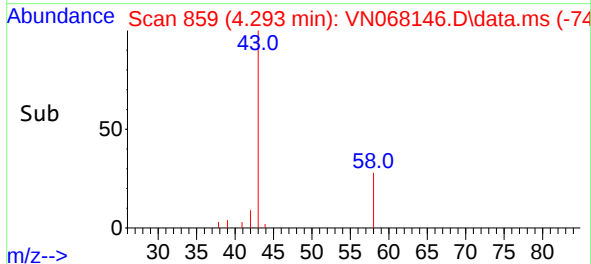
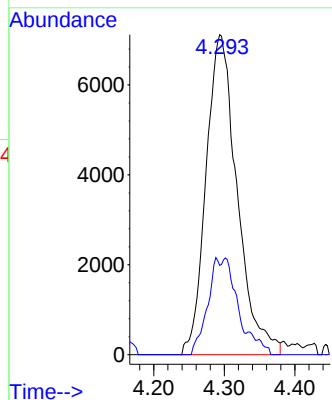
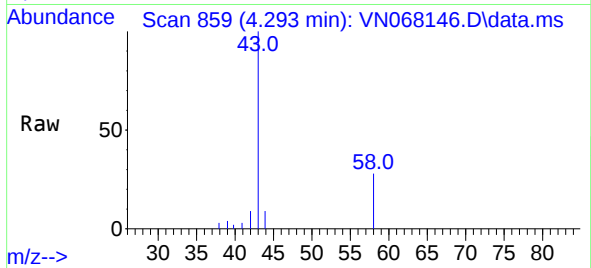




#16
Acetone
Concen: 16.796 ug/l
RT: 4.293 min Scan# 859
Delta R.T. 0.005 min
Lab File: VN068146.D
Acq: 17 Aug 2021 16:28

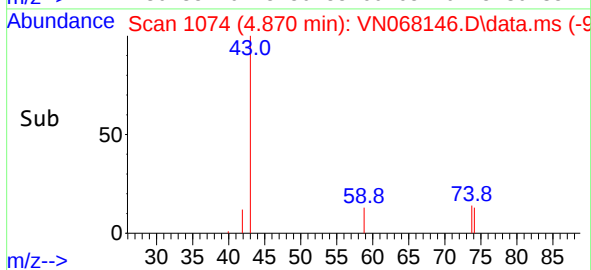
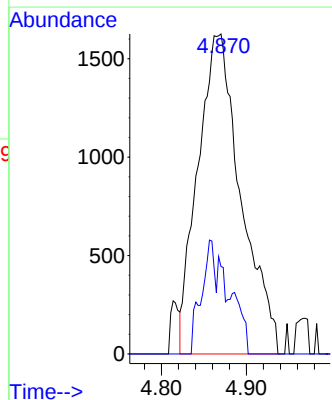
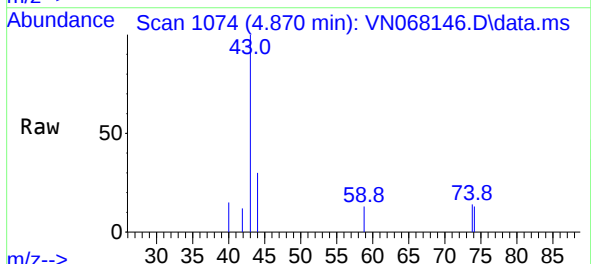
Instrument :
MSVOA_N
ClientSampled :
34S

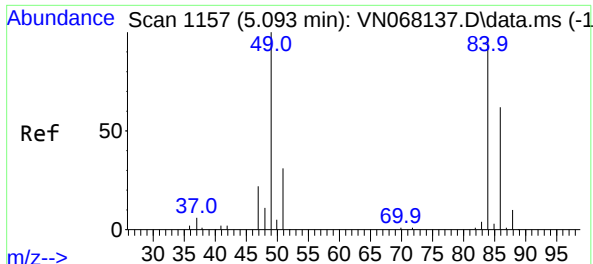
Tgt Ion: 43 Resp: 21790
Ion Ratio Lower Upper
43 100
58 27.9 21.2 31.8



#18
Methyl Acetate
Concen: Below Cal
RT: 4.870 min Scan# 1074
Delta R.T. 0.016 min
Lab File: VN068146.D
Acq: 17 Aug 2021 16:28

Tgt Ion: 43 Resp: 5736
Ion Ratio Lower Upper
43 100
74 2.1 17.4 26.0#

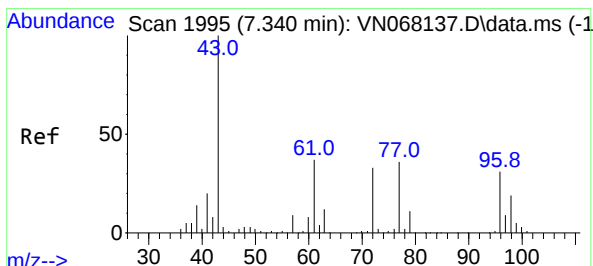
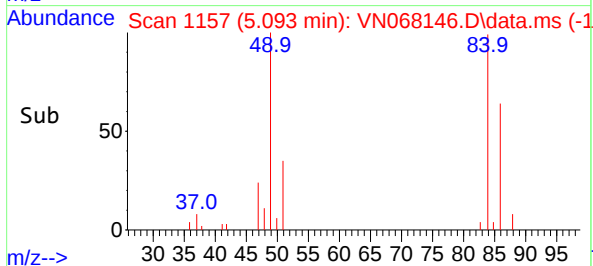
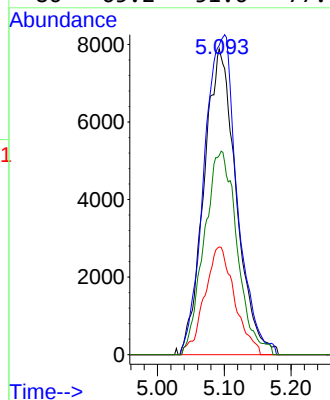
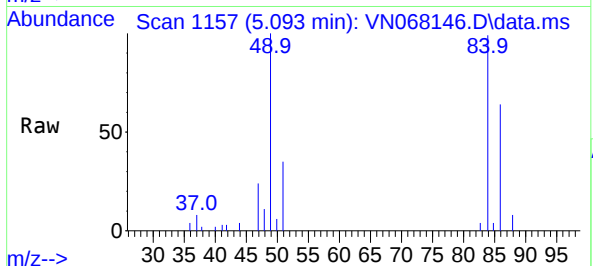




#20
Methylene Chloride
Concen: 5.479 ug/l
RT: 5.093 min Scan# 1157
Delta R.T. -0.000 min
Lab File: VN068146.D
Acq: 17 Aug 2021 16:28

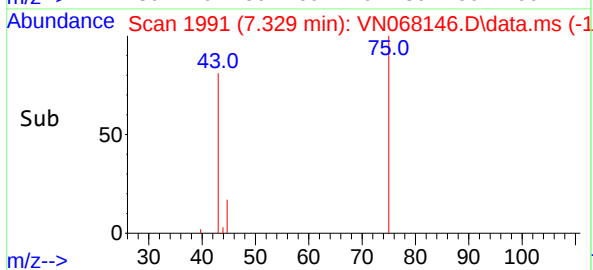
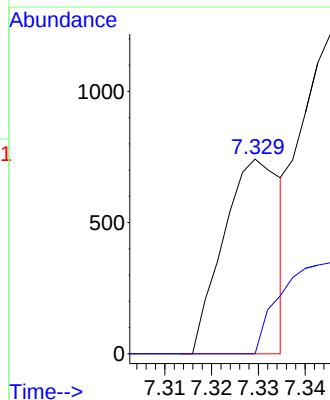
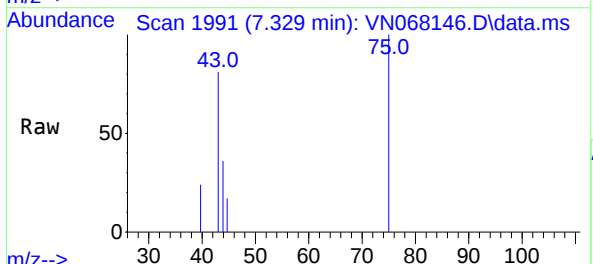
Instrument :
MSVOA_N
ClientSampled :
34S

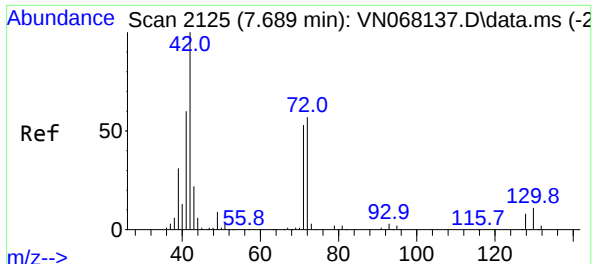
Tgt Ion:	84	Resp:	26461
Ion	Ratio	Lower	Upper
84	100		
49	101.1	110.9	166.3#
51	35.2	32.6	49.0
86	65.2	51.6	77.4



#25
2-Butanone
Concen: 0.311 ug/l
RT: 7.329 min Scan# 1991
Delta R.T. -0.011 min
Lab File: VN068146.D
Acq: 17 Aug 2021 16:28

Tgt Ion:	43	Resp:	628
Ion	Ratio	Lower	Upper
43	100		
72	0.0	19.7	29.5#





#29

Tetrahydrofuran

Concen: 0.767 ug/l

RT: 7.707 min Scan# 2132

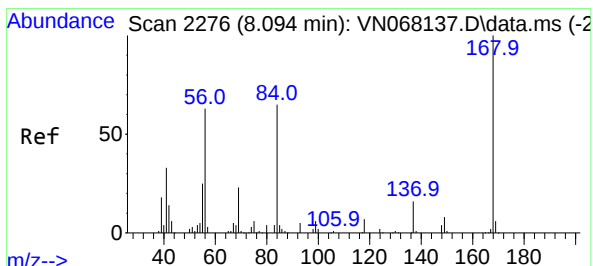
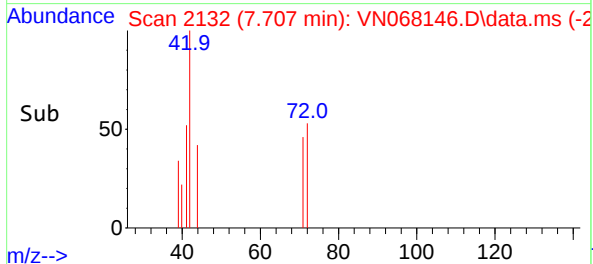
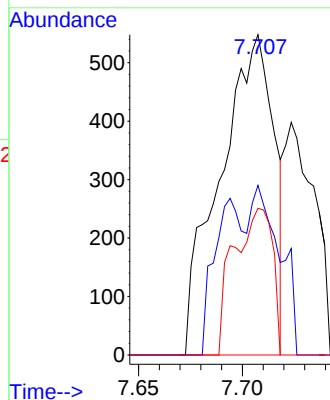
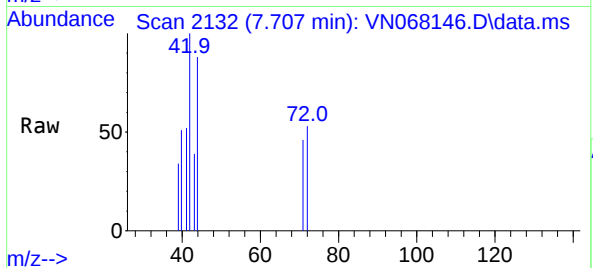
Delta R.T. 0.018 min

Lab File: VN068146.D

Acq: 17 Aug 2021 16:28

Tgt Ion:	42	Resp:	992
Ion	Ratio	Lower	Upper
42	100		
72	28.1	32.8	49.2#
71	32.9	31.2	46.8

Instrument :
MSVOA_N
ClientSampled :
34S



#31

Cyclohexane

Concen: 1.283 ug/l

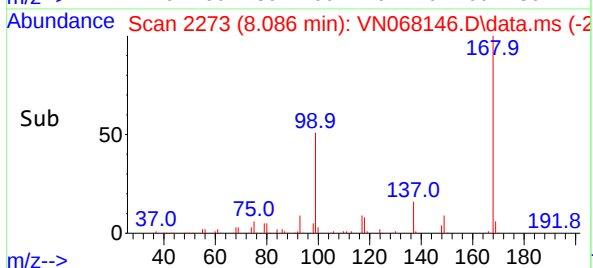
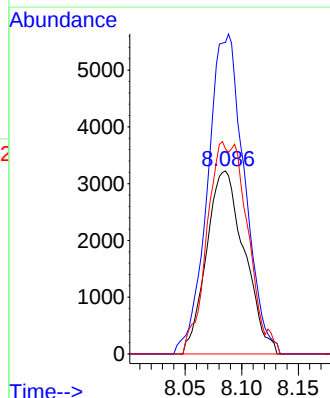
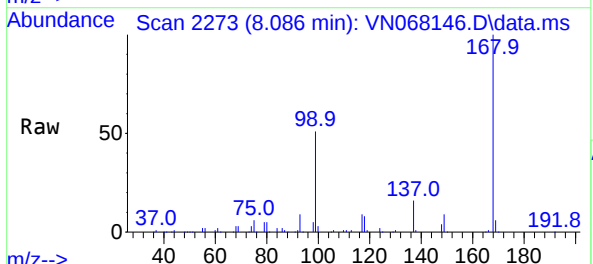
RT: 8.086 min Scan# 2273

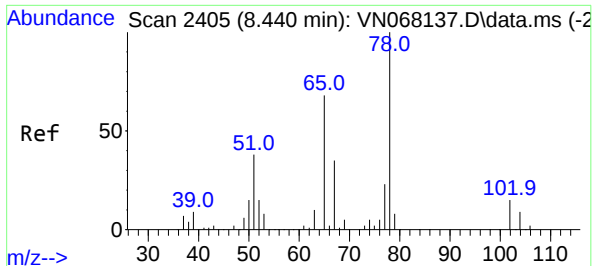
Delta R.T. -0.008 min

Lab File: VN068146.D

Acq: 17 Aug 2021 16:28

Tgt Ion:	56	Resp:	7509
Ion	Ratio	Lower	Upper
56	100		
69	170.2	27.3	40.9#
84	112.1	64.9	97.3#

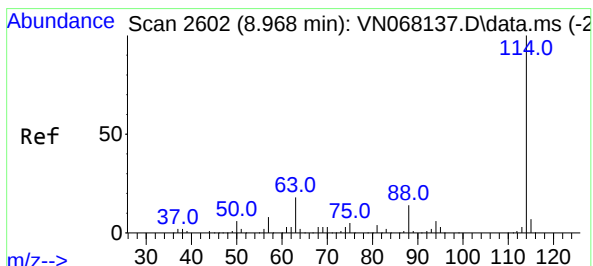
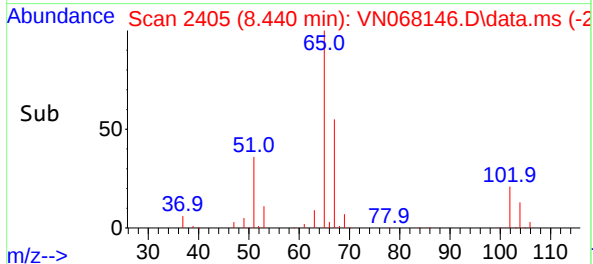
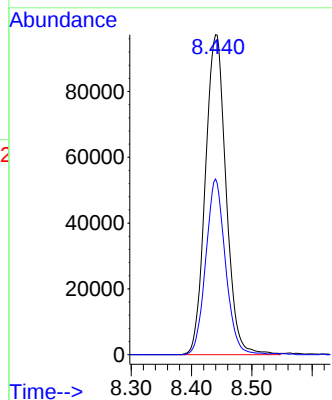
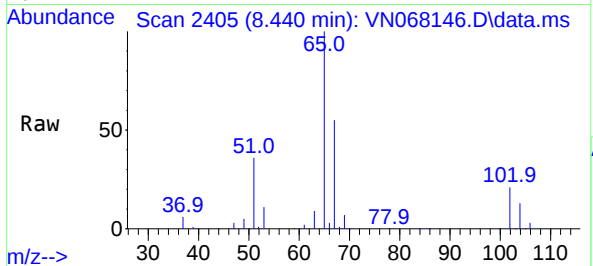




#33
1,2-Dichloroethane-d4
Concen: 52.137 ug/l
RT: 8.440 min Scan# 2405
Delta R.T. -0.000 min
Lab File: VN068146.D
Acq: 17 Aug 2021 16:28

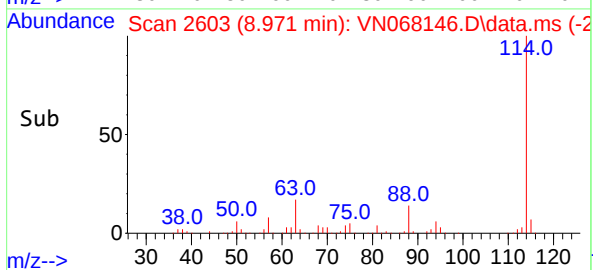
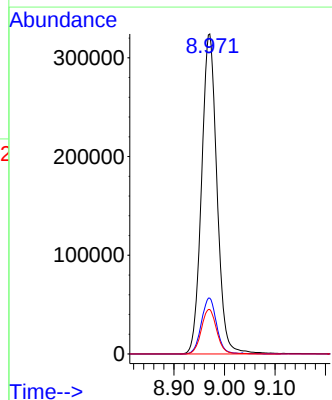
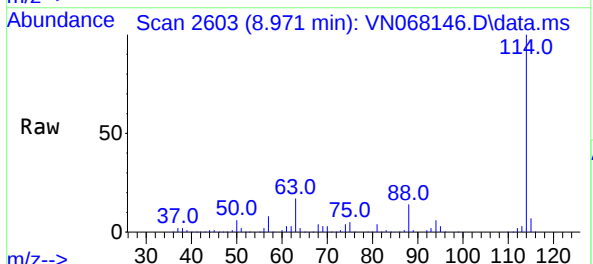
Instrument :
MSVOA_N
ClientSampled :
34S

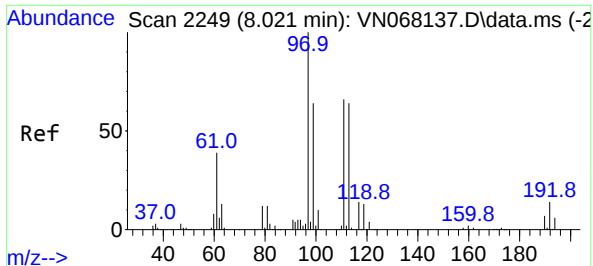
Tgt Ion: 65 Resp: 231669
Ion Ratio Lower Upper
65 100
67 52.3 0.0 98.6



#34
1,4-Difluorobenzene
Concen: 50.000 ug/l
RT: 8.971 min Scan# 2603
Delta R.T. 0.003 min
Lab File: VN068146.D
Acq: 17 Aug 2021 16:28

Tgt Ion: 114 Resp: 687948
Ion Ratio Lower Upper
114 100
63 17.5 0.0 49.0
88 13.9 0.0 36.6

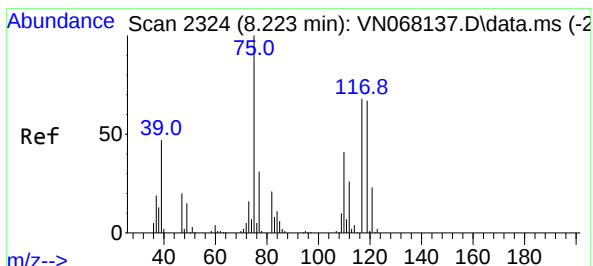
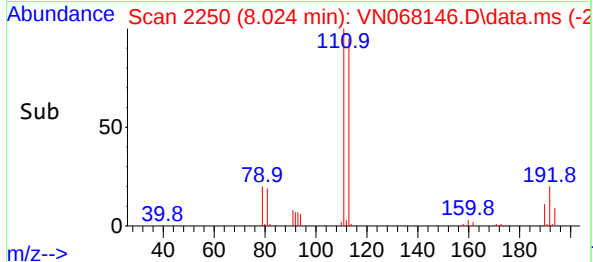
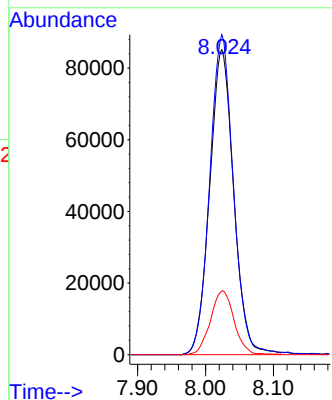
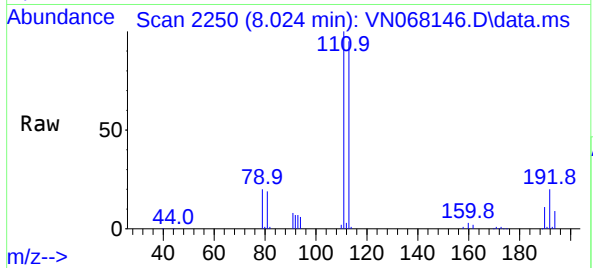




#35
Dibromofluoromethane
Concen: 48.405 ug/l
RT: 8.024 min Scan# 2250
Delta R.T. 0.003 min
Lab File: VN068146.D
Acq: 17 Aug 2021 16:28

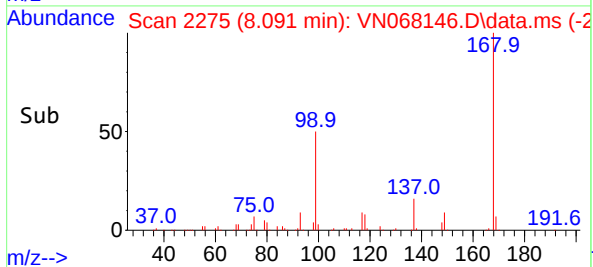
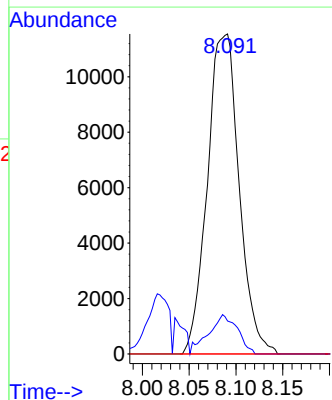
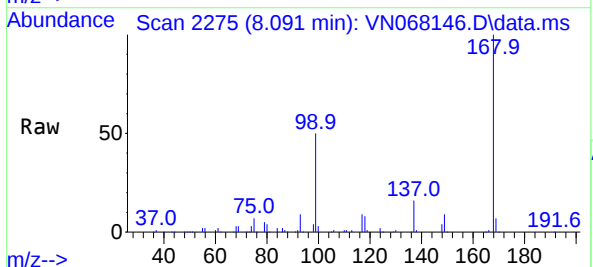
Instrument :
MSVOA_N
ClientSampled :
34S

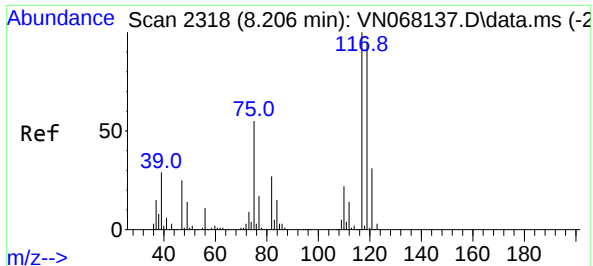
Tgt Ion:113 Resp: 209068
Ion Ratio Lower Upper
113 100
111 103.3 83.8 125.8
192 20.6 13.4 20.0#



#36
1,1-Dichloropropene
Concen: 4.856 ug/l
RT: 8.091 min Scan# 2275
Delta R.T. -0.132 min
Lab File: VN068146.D
Acq: 17 Aug 2021 16:28

Tgt Ion: 75 Resp: 27308
Ion Ratio Lower Upper
75 100
110 10.7 15.7 47.0#
77 0.0 24.6 37.0#

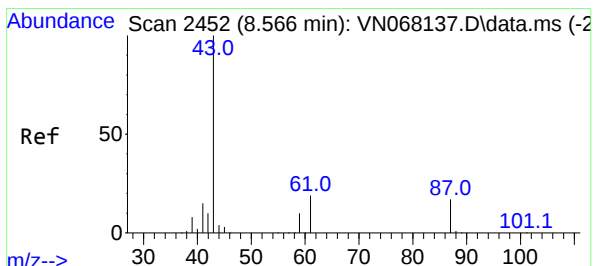
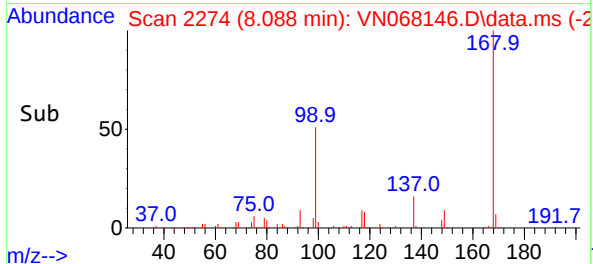
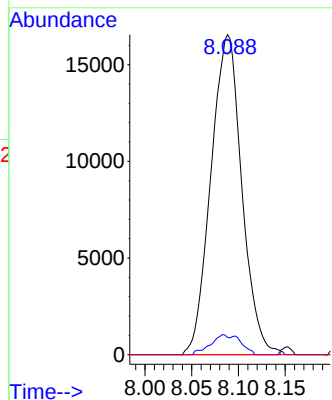
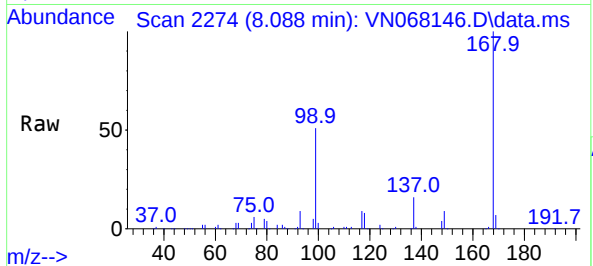




#38
Carbon Tetrachloride
Concen: 5.870 ug/l
RT: 8.088 min Scan# 2274
Delta R.T. -0.118 min
Lab File: VN068146.D
Acq: 17 Aug 2021 16:28

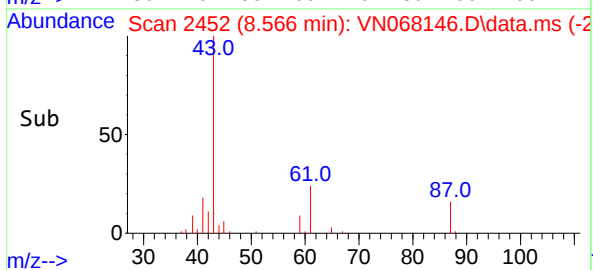
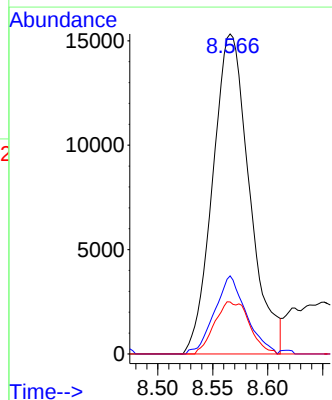
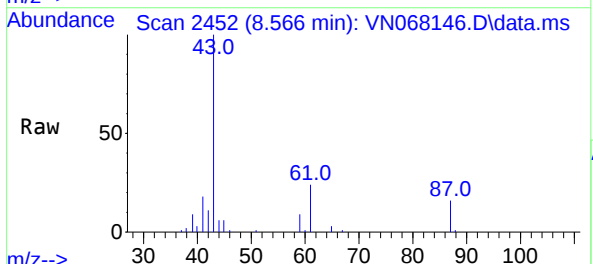
Instrument :
MSVOA_N
ClientSampled :
34S

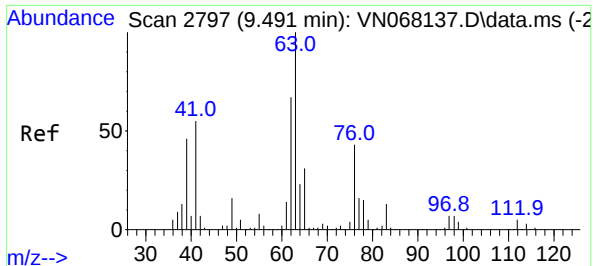
Tgt Ion:117 Resp: 38077
Ion Ratio Lower Upper
117 100
119 5.4 75.4 113.2#
121 0.0 23.5 35.3#



#43
Isopropyl Acetate
Concen: 4.632 ug/l
RT: 8.566 min Scan# 2452
Delta R.T. -0.000 min
Lab File: VN068146.D
Acq: 17 Aug 2021 16:28

Tgt Ion: 43 Resp: 35551
Ion Ratio Lower Upper
43 100
61 21.1 19.0 28.4
87 15.6 9.5 14.3#

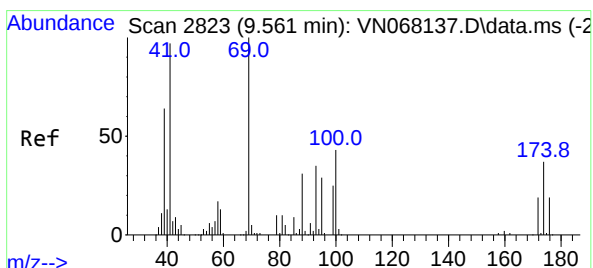
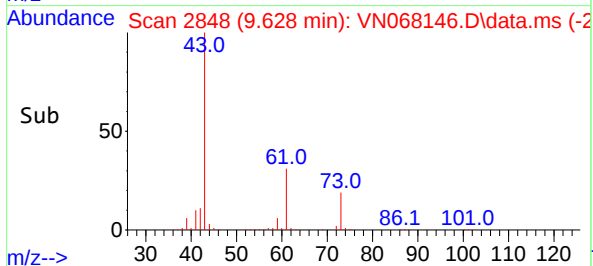
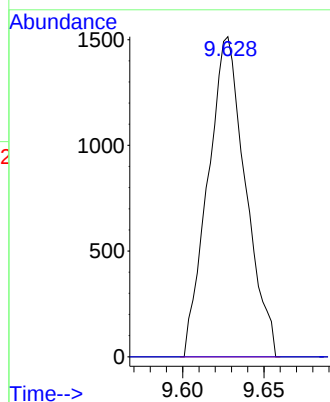
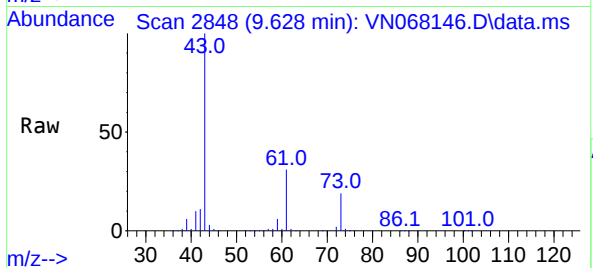




#45
1,2-Dichloropropane
Concen: 0.603 ug/l
RT: 9.628 min Scan# 2848
Delta R.T. 0.137 min
Lab File: VN068146.D
Acq: 17 Aug 2021 16:28

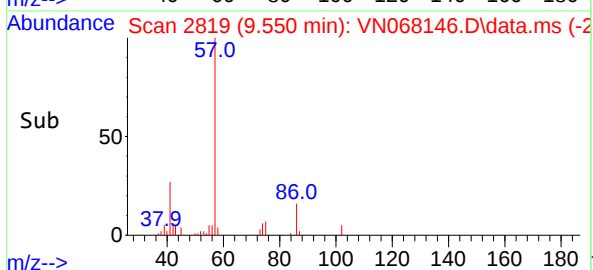
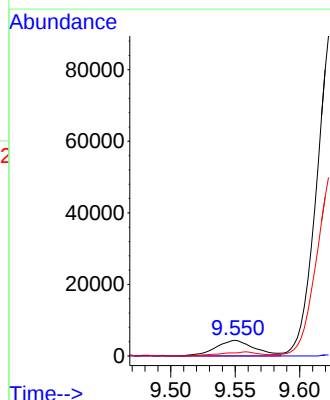
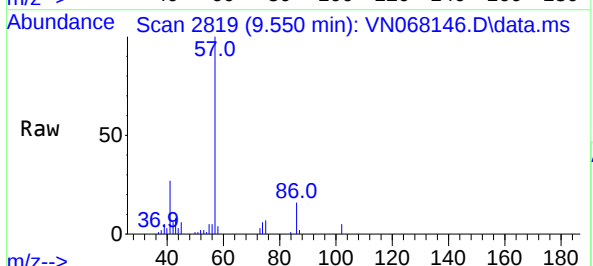
Instrument :
MSVOA_N
ClientSampled :
34S

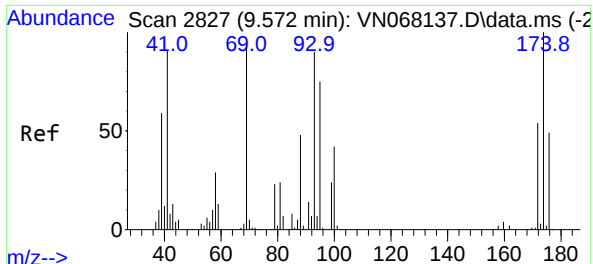
Tgt Ion: 63 Resp: 2434
Ion Ratio Lower Upper
63 100
65 0.0 24.3 36.5#



#48
Methyl methacrylate
Concen: 2.851 ug/l
RT: 9.550 min Scan# 2819
Delta R.T. -0.011 min
Lab File: VN068146.D
Acq: 17 Aug 2021 16:28

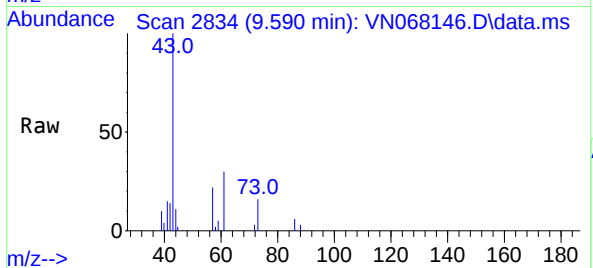
Tgt Ion: 41 Resp: 9117
Ion Ratio Lower Upper
41 100
69 0.0 64.6 96.8#
39 0.0 53.3 79.9#



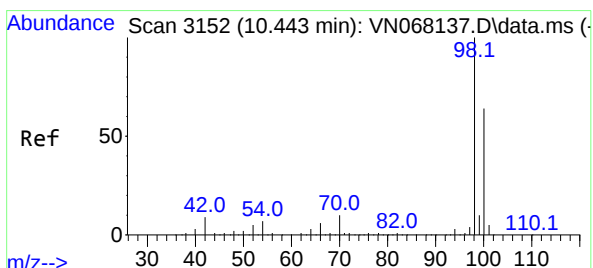
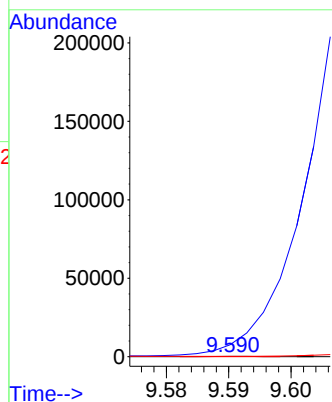
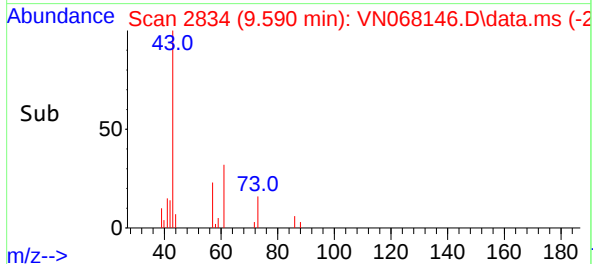


#49
1,4-Dioxane
Concen: 1.074 ug/l
RT: 9.590 min Scan# 2834
Delta R.T. 0.018 min
Lab File: VN068146.D
Acq: 17 Aug 2021 16:28

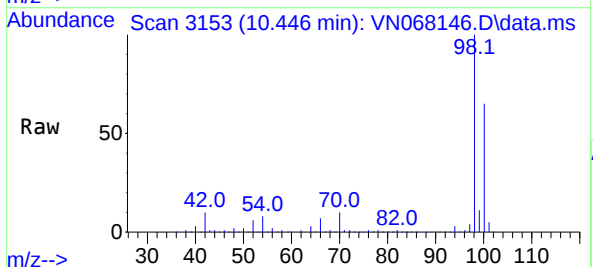
Instrument :
MSVOA_N
ClientSampled :
34S



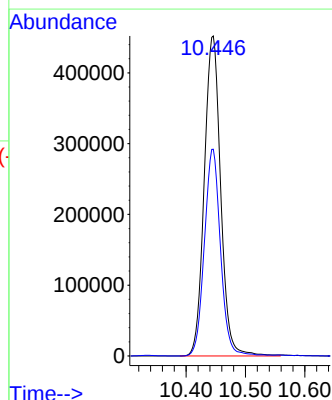
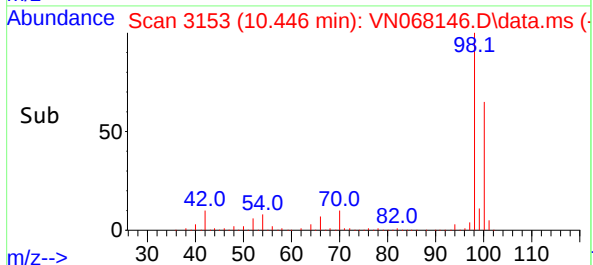
Tgt Ion: 88 Resp: 83
Ion Ratio Lower Upper
88 100
43 0.0 28.8 43.2#
58 0.0 60.4 90.6#

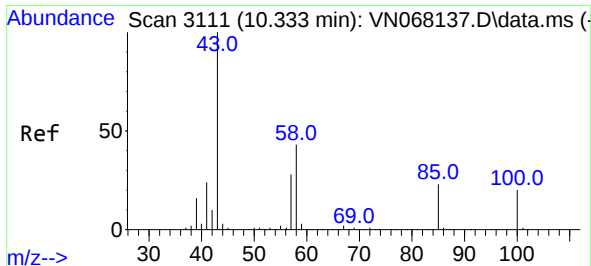


#50
Toluene-d8
Concen: 52.852 ug/l
RT: 10.446 min Scan# 3153
Delta R.T. 0.003 min
Lab File: VN068146.D
Acq: 17 Aug 2021 16:28



Tgt Ion: 98 Resp: 869802
Ion Ratio Lower Upper
98 100
100 63.3 51.7 77.5

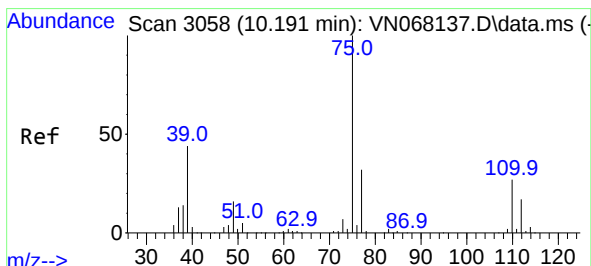
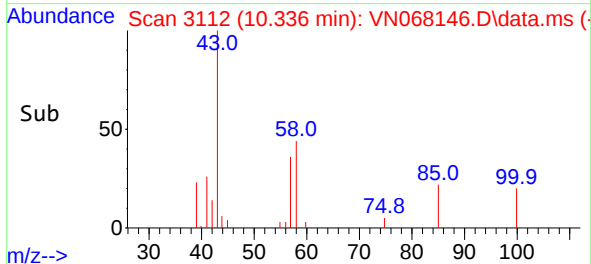
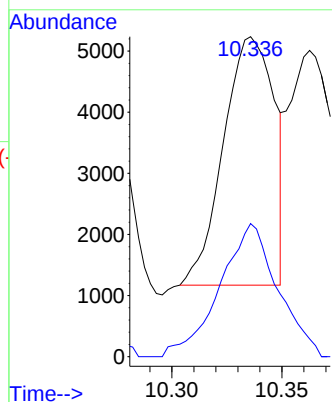
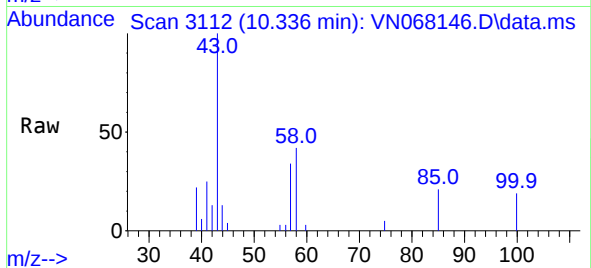




#51
4-Methyl-2-Pentanone
Concen: 1.388 ug/l
RT: 10.336 min Scan# 3112
Delta R.T. 0.003 min
Lab File: VN068146.D
Acq: 17 Aug 2021 16:28

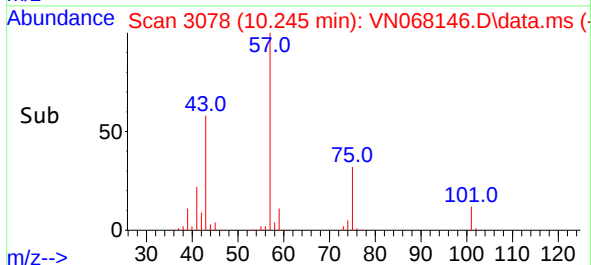
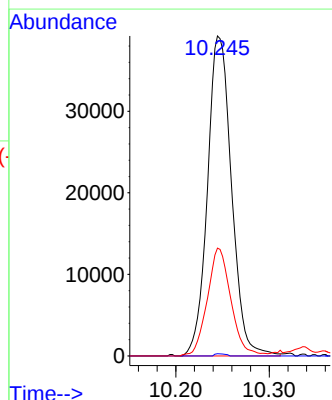
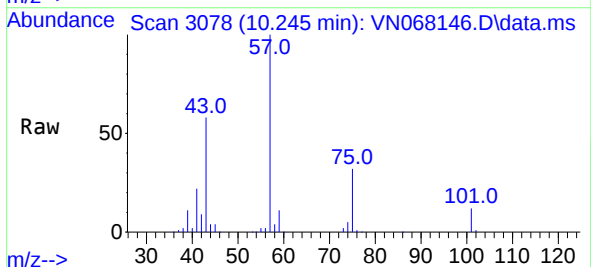
Instrument :
MSVOA_N
ClientSampled :
34S

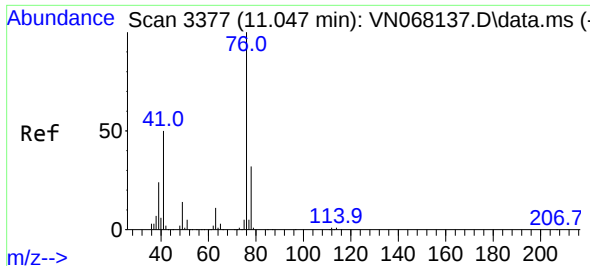
Tgt Ion: 43 Resp: 6542
Ion Ratio Lower Upper
43 100
58 60.7 28.6 43.0#



#54
cis-1,3-Dichloropropene
Concen: 10.781 ug/l
RT: 10.245 min Scan# 3078
Delta R.T. 0.054 min
Lab File: VN068146.D
Acq: 17 Aug 2021 16:28

Tgt Ion: 75 Resp: 70218
Ion Ratio Lower Upper
75 100
77 0.7 24.6 37.0#
39 33.7 50.7 76.1#

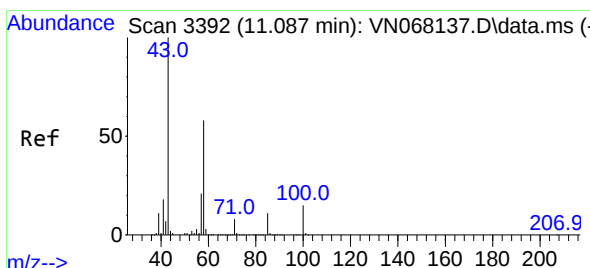
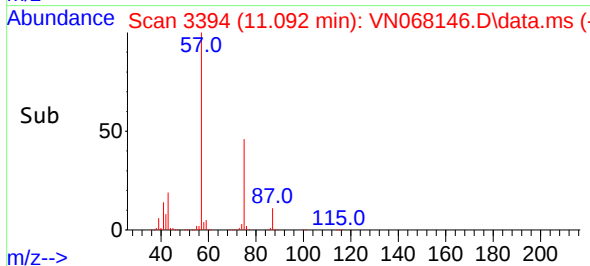
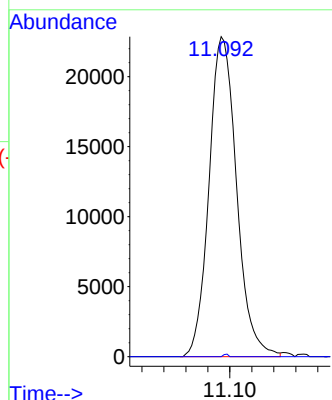
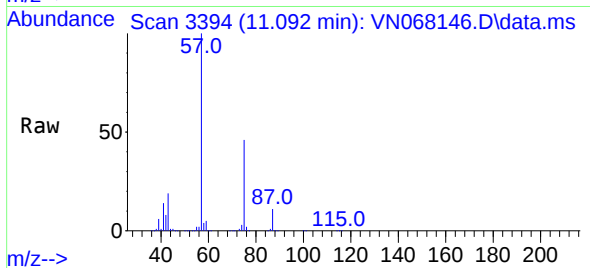




#57
1,3-Dichloropropane
Concen: 5.535 ug/l
RT: 11.092 min Scan# 3394
Delta R.T. 0.045 min
Lab File: VN068146.D
Acq: 17 Aug 2021 16:28

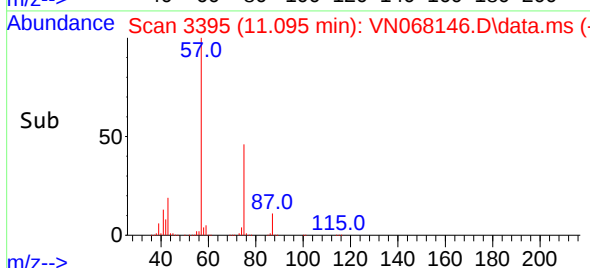
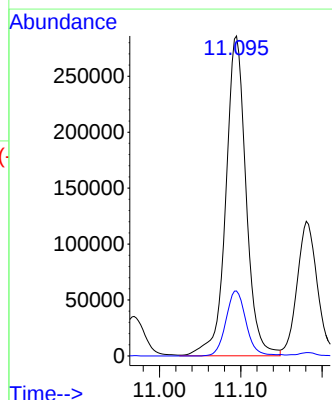
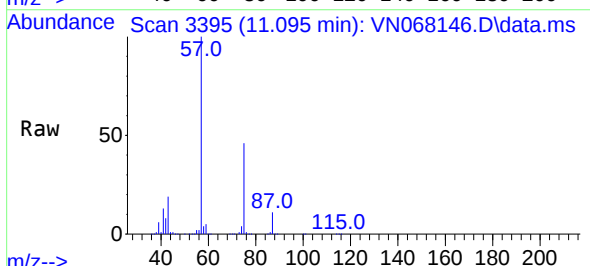
Instrument :
MSVOA_N
ClientSampled :
34S

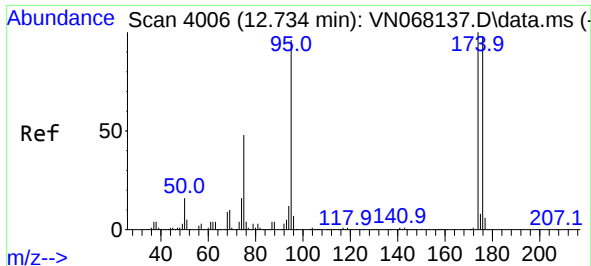
Tgt Ion: 76 Resp: 39868
Ion Ratio Lower Upper
76 100
78 0.1 25.7 38.5#



#59
2-Hexanone
Concen: 151.460 ug/l
RT: 11.095 min Scan# 3395
Delta R.T. 0.008 min
Lab File: VN068146.D
Acq: 17 Aug 2021 16:28

Tgt Ion: 43 Resp: 495780
Ion Ratio Lower Upper
43 100
58 20.3 24.7 74.1#

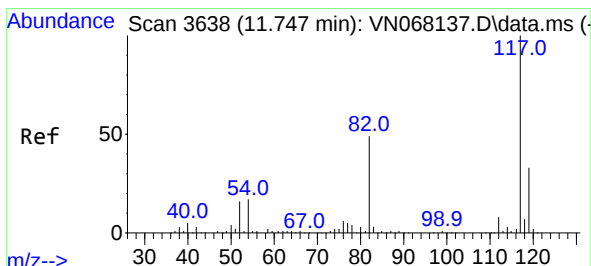
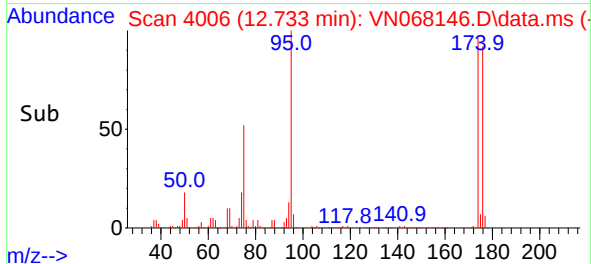
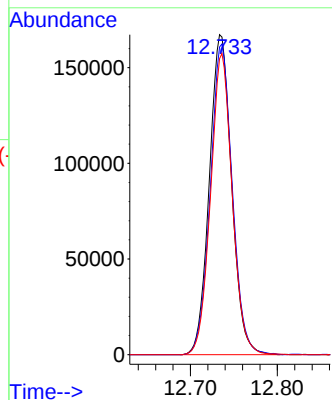
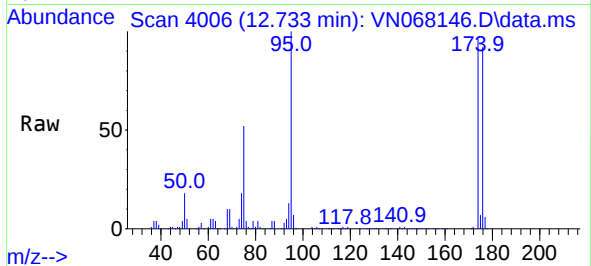




#62
4-Bromofluorobenzene
Concen: 54.250 ug/l
RT: 12.733 min Scan# 4006
Delta R.T. -0.001 min
Lab File: VN068146.D
Acq: 17 Aug 2021 16:28

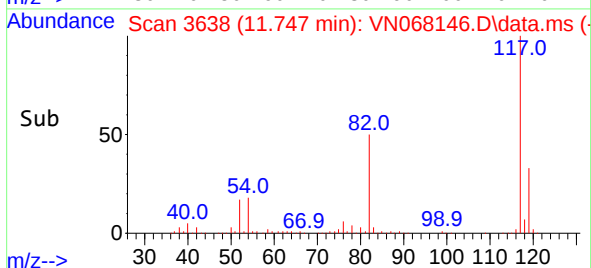
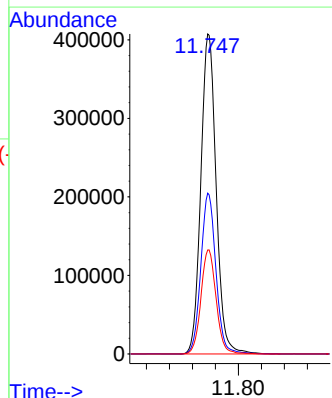
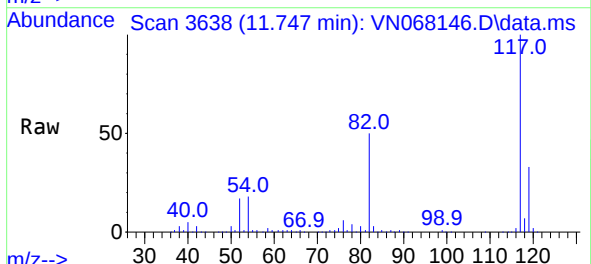
Instrument :
MSVOA_N
ClientSampleId :
34S

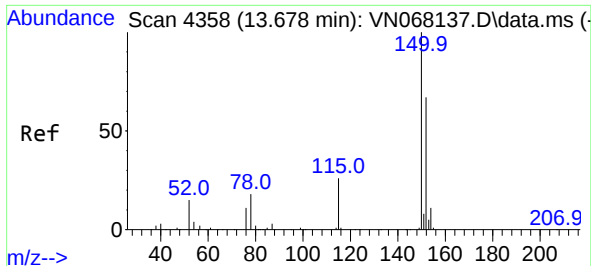
Tgt Ion: 95 Resp: 297214
Ion Ratio Lower Upper
95 100
174 96.2 0.0 122.0
176 91.4 0.0 117.6



#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 11.747 min Scan# 3638
Delta R.T. -0.000 min
Lab File: VN068146.D
Acq: 17 Aug 2021 16:28

Tgt Ion: 117 Resp: 752758
Ion Ratio Lower Upper
117 100
82 50.2 53.1 79.7#
119 32.5 25.5 38.3



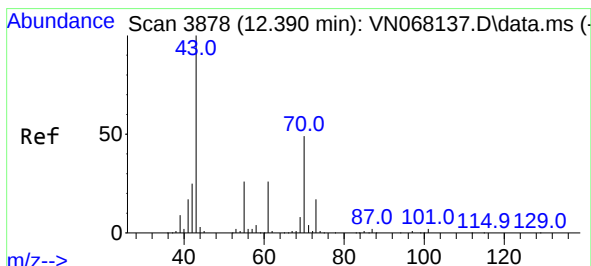
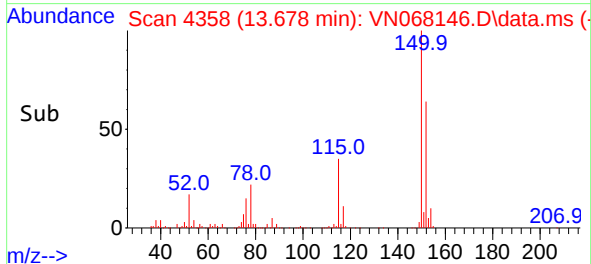
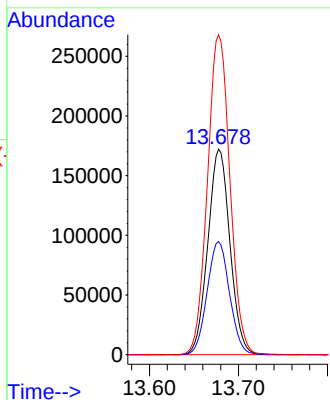
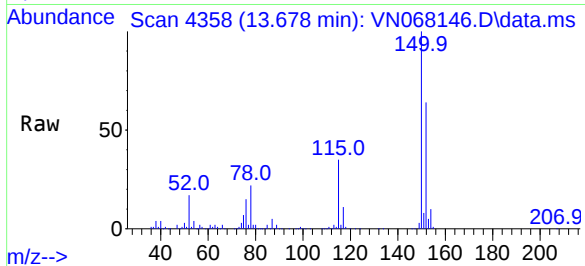


#72
1,4-Dichlorobenzene-d4
Concen: 50.000 ug/l
RT: 13.678 min Scan# 4358
Delta R.T. -0.000 min
Lab File: VN068146.D
Acq: 17 Aug 2021 16:28

Instrument :
MSVOA_N
ClientSampled :
34S

Tgt Ion:152 Resp: 297369

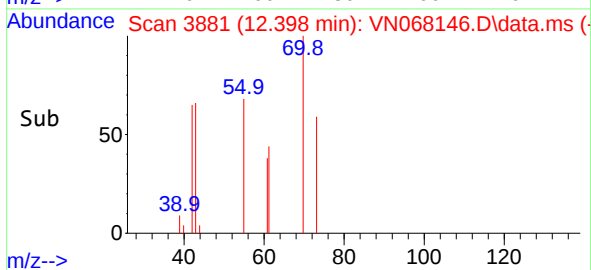
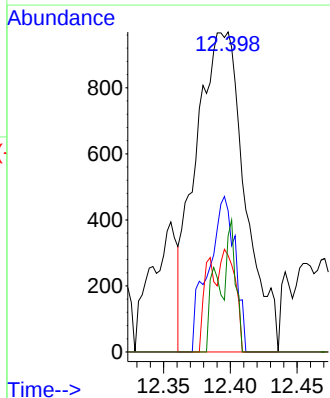
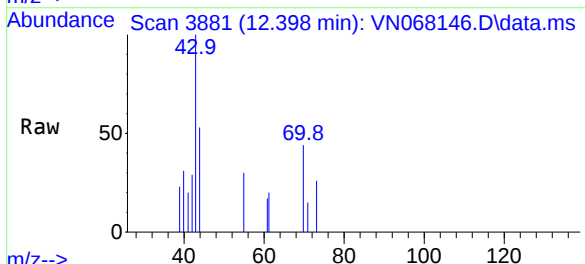
Ion	Ratio	Lower	Upper
152	100		
115	55.8	36.1	108.5
150	158.4	0.0	351.8

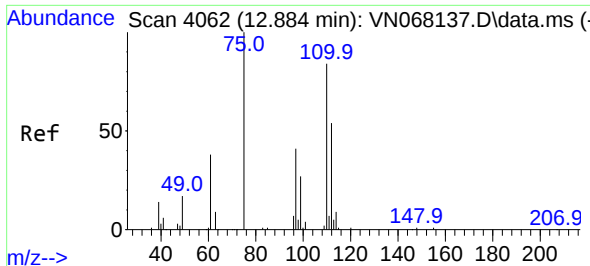


#74
N-ethyl acetate
Concen: 0.453 ug/l
RT: 12.398 min Scan# 3881
Delta R.T. 0.008 min
Lab File: VN068146.D
Acq: 17 Aug 2021 16:28

Tgt Ion: 43 Resp: 2493

Ion	Ratio	Lower	Upper
43	100		
70	26.4	29.4	44.2#
55	9.8	17.0	25.4#
61	7.3	17.6	26.4#

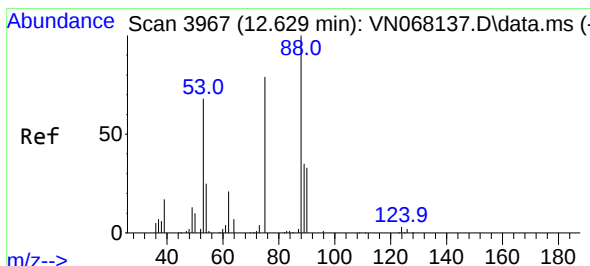
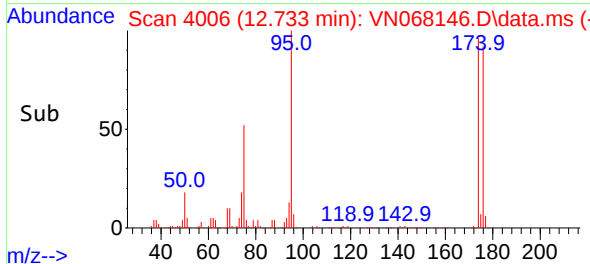
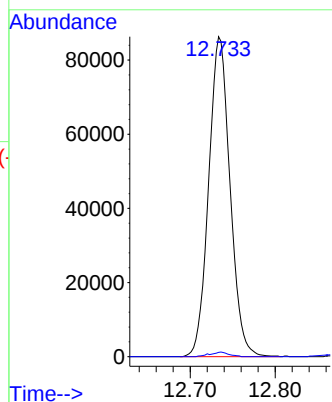
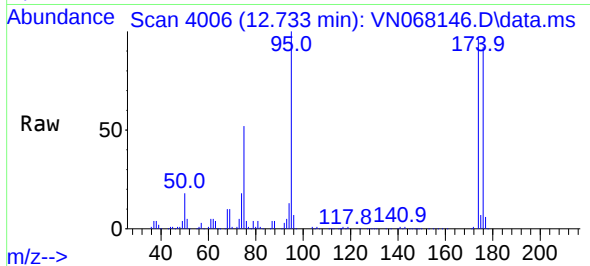




#76
1,2,3-Trichloropropane
Concen: 30.483 ug/l
RT: 12.733 min Scan# 4006
Delta R.T. -0.151 min
Lab File: VN068146.D
Acq: 17 Aug 2021 16:28

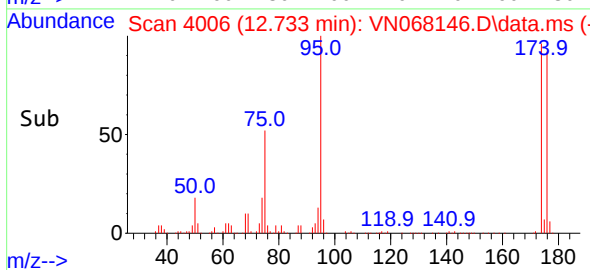
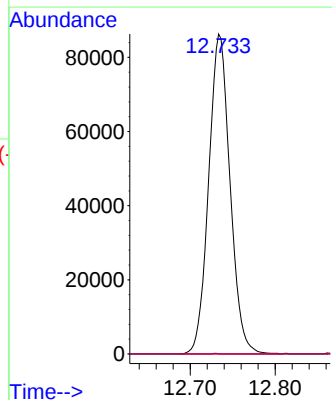
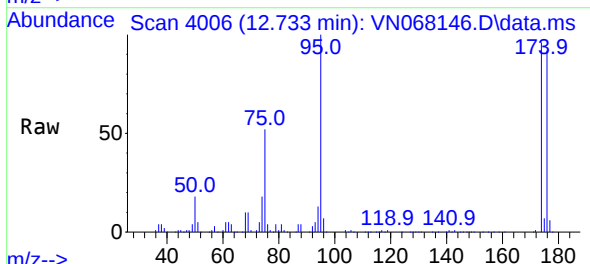
Instrument :
MSVOA_N
ClientSampled :
34S

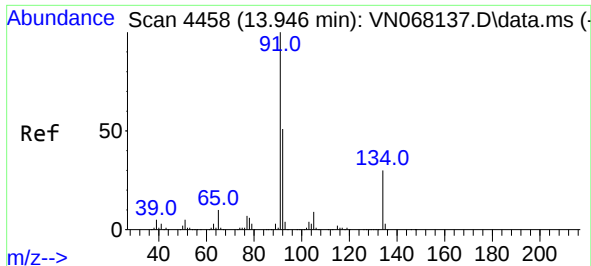
Tgt Ion: 75 Resp: 150665
Ion Ratio Lower Upper
75 100
77 1.3 0.0 0.0#



#81
trans-1,4-Dichloro-2-butene
Concen: 99.868 ug/l
RT: 12.733 min Scan# 4006
Delta R.T. 0.104 min
Lab File: VN068146.D
Acq: 17 Aug 2021 16:28

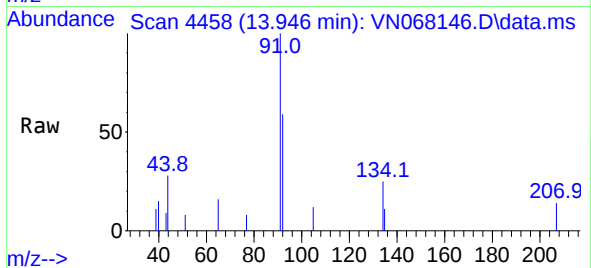
Tgt Ion: 75 Resp: 150665
Ion Ratio Lower Upper
75 100
53 0.0 87.6 131.4#
89 0.0 37.8 56.8#



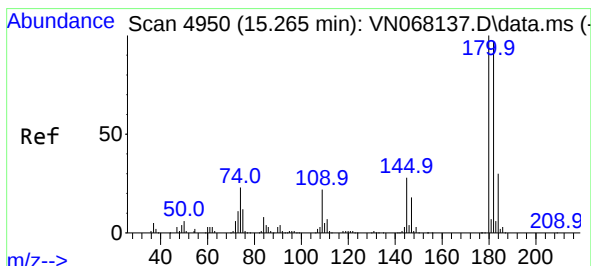
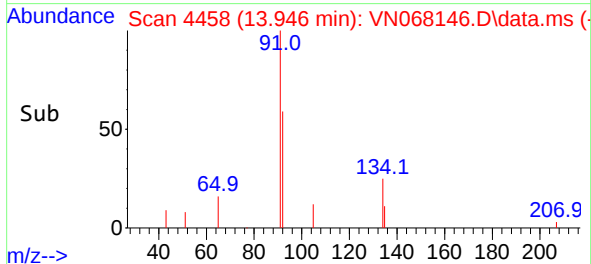
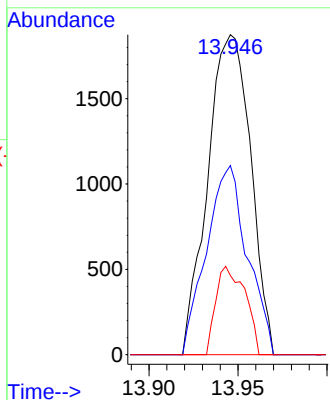


#89
n-Butylbenzene
Concen: 0.256 ug/l
RT: 13.946 min Scan# 4458
Delta R.T. -0.000 min
Lab File: VN068146.D
Acq: 17 Aug 2021 16:28

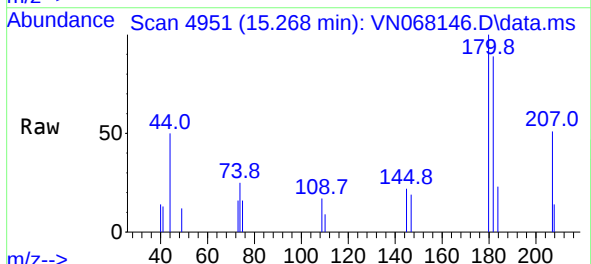
Instrument :
MSVOA_N
ClientSampled :
34S



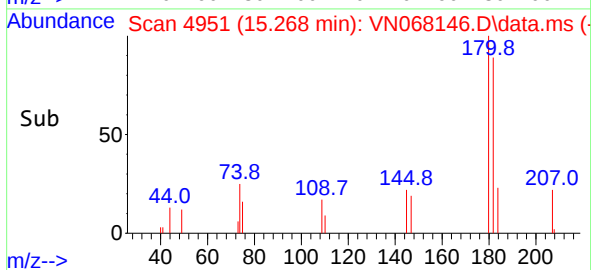
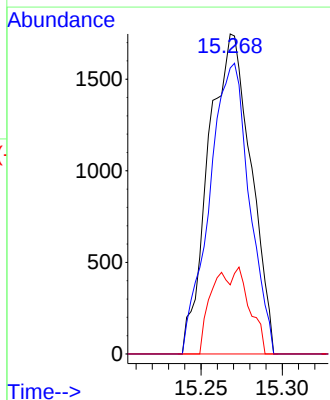
Tgt Ion: 91 Resp: 3149
Ion Ratio Lower Upper
91 100
92 56.3 25.7 77.1
134 18.8 11.2 33.6

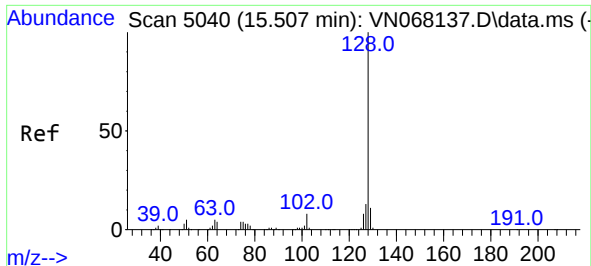


#93
1,2,4-Trichlorobenzene
Concen: 3.289 ug/l
RT: 15.268 min Scan# 4951
Delta R.T. 0.003 min
Lab File: VN068146.D
Acq: 17 Aug 2021 16:28



Tgt Ion: 180 Resp: 3167
Ion Ratio Lower Upper
180 100
182 85.3 47.5 142.5
145 12.7 17.2 51.6#

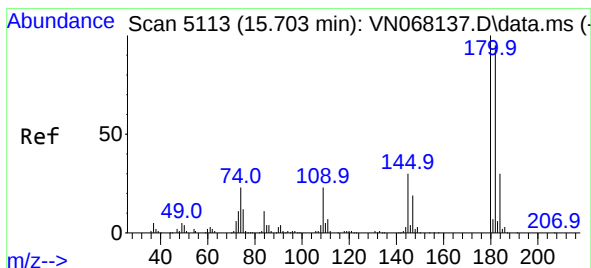
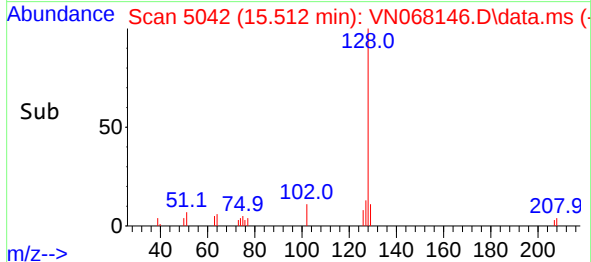
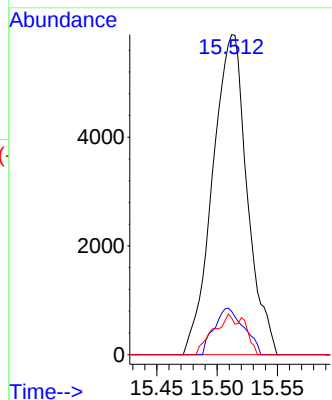
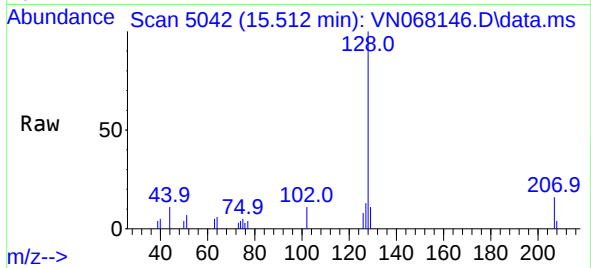




#95
Naphthalene
Concen: 4.281 ug/l
RT: 15.512 min Scan# 5042
Delta R.T. 0.005 min
Lab File: VN068146.D
Acq: 17 Aug 2021 16:28

Instrument :
MSVOA_N
ClientSampled :
34S

Tgt Ion:	128	Resp:	11721
Ion	Ratio	Lower	Upper
128	100		
127	12.5	10.6	15.8
129	7.7	8.6	12.8#



#96
1,2,3-Trichlorobenzene
Concen: 3.472 ug/l
RT: 15.700 min Scan# 5112
Delta R.T. -0.003 min
Lab File: VN068146.D
Acq: 17 Aug 2021 16:28

Tgt Ion:	180	Resp:	3196
Ion	Ratio	Lower	Upper
180	100		
182	96.7	47.8	143.3
145	17.0	18.2	54.6#

