

Data Path : Z:\voasrv\HPCHEM1\MSVOA_N\Data\VN022621\
 Data File : VN066049.D
 Acq On : 26 Feb 2021 14:25
 Operator : JC/MD
 Sample : M1504-02
 Misc : 5.00mL/MSVOA_N/WATER
 ALS Vial : 9 Sample Multiplier: 1

Instrument :
 MSVOA_N
 ClientSampleId :
 GW805-20-25-022521

Quant Time: Feb 26 23:33:03 2021
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA_N\methods\82N021721W.M
 Quant Title : SW846 8260
 QLast Update : Wed Feb 17 15:48:13 2021
 Response via : Initial Calibration

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

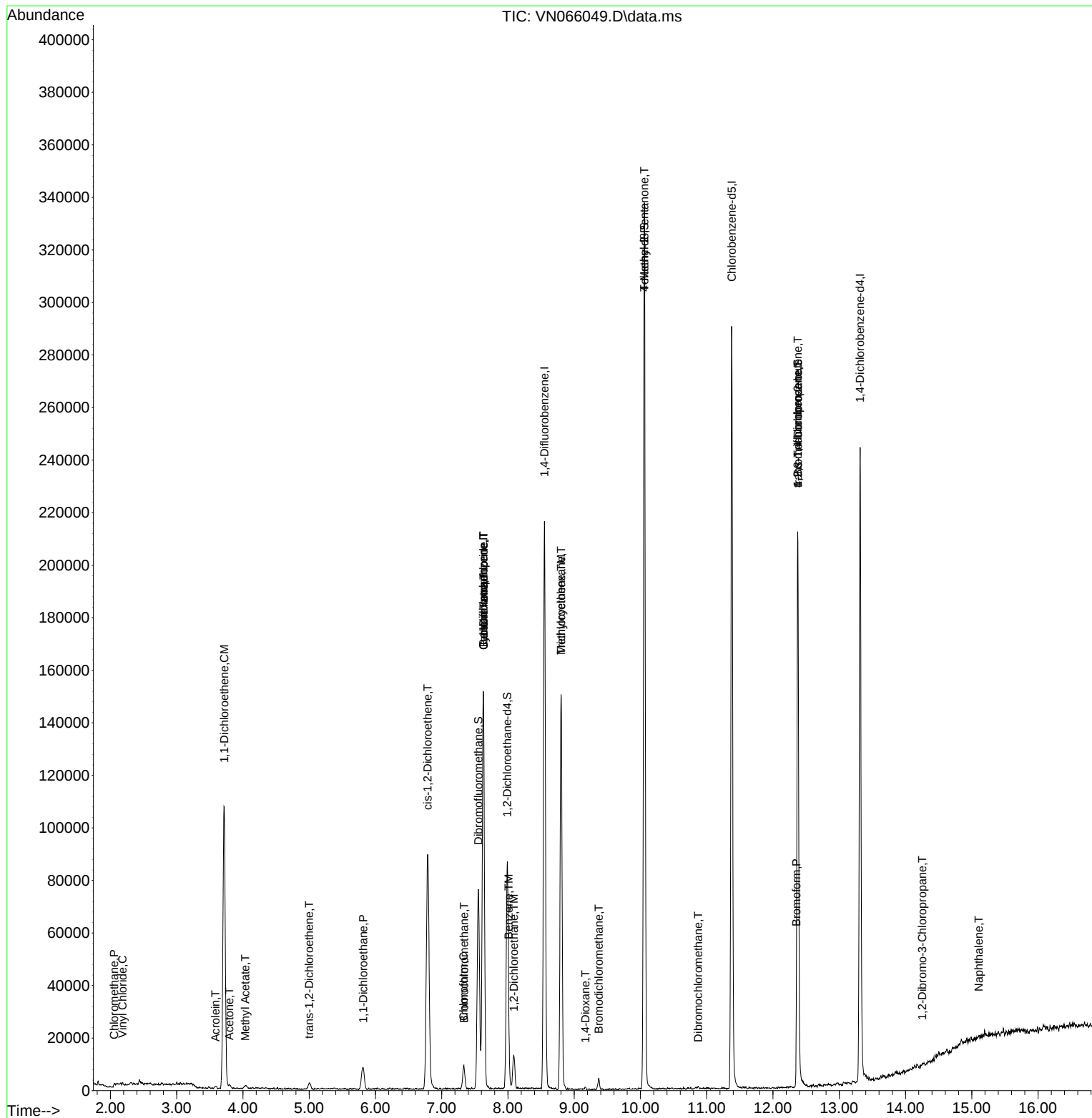
Internal Standards						
1) Pentafluorobenzene	7.627	168	120273	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	8.550	114	195176	50.00	ug/l	0.00
63) Chlorobenzene-d5	11.376	117	176817	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.315	152	71605	50.00	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	7.990	65	81491	48.45	ug/l	0.00
Spiked Amount 50.000	Range 61 - 141		Recovery =	96.90%		
35) Dibromofluoromethane	7.553	113	58558	48.48	ug/l	0.00
Spiked Amount 50.000	Range 69 - 133		Recovery =	96.96%		
50) Toluene-d8	10.058	98	236474	47.69	ug/l	0.00
Spiked Amount 50.000	Range 65 - 126		Recovery =	95.38%		
62) 4-Bromofluorobenzene	12.373	95	84381	45.33	ug/l	0.00
Spiked Amount 50.000	Range 58 - 135		Recovery =	90.66%		
Target Compounds						Qvalue
3) Chloromethane	2.055	50	665	0.34	ug/l #	83
4) Vinyl Chloride	2.184	62	443	0.23	ug/l #	43
12) 1,1-Dichloroethene	3.717	96	57121	42.29	ug/l	94
13) Acrolein	3.586	56	967	4.52	ug/l	84
16) Acetone	3.795	43	1448	1.14	ug/l	100
18) Methyl Acetate	4.036	43	378	0.27	ug/l #	51
21) trans-1,2-Dichloroethene	5.000	96	1491	1.05	ug/l	97
24) 1,1-Dichloroethane	5.814	63	14531	5.45	ug/l	99
27) cis-1,2-Dichloroethene	6.788	96	62246	38.49	ug/l	96
28) Bromochloromethane	7.338	49	457	0.37	ug/l #	9
30) Chloroform	7.331	83	9697	3.68	ug/l	99
31) Cyclohexane	7.630	56	2291	0.91	ug/l #	1
36) 1,1-Dichloropropene	7.627	75	9584	4.98	ug/l #	48
38) Carbon Tetrachloride	7.630	117	12299	6.88	ug/l #	15
39) Methylcyclohexane	8.804	83	559	0.26	ug/l #	1
40) Benzene	8.010	78	1830	0.31	ug/l	97
42) 1,2-Dichloroethane	8.090	62	13568	6.99	ug/l	96
44) Trichloroethene	8.804	130	57171	39.15	ug/l	98
47) Bromodichloromethane	9.370	83	3332	1.78	ug/l #	84
49) 1,4-Dioxane	9.171	88	626	26.18	ug/l #	76
51) 4-Methyl-2-Pentanone	10.058	43	1045	0.62	ug/l #	1
60) Dibromochloromethane	10.871	129	582	0.42	ug/l	90
71) Bromoform	12.354	173	30	2.53	ug/l #	29
76) 1,2,3-Trichloropropane	12.373	75	43474	25.27	ug/l #	100
81) trans-1,4-Dichloro-2-b...	12.373	75	43474	80.54	ug/l #	12
92) 1,2-Dibromo-3-Chloropr...	14.254	75	328	1.80	ug/l #	1
95) Naphthalene	15.106	128	123	3.08	ug/l #	69

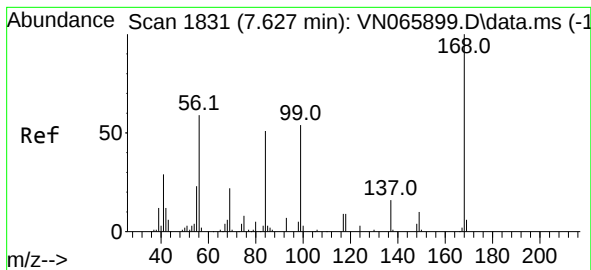
(#) = qualifier out of range (m) = manual integration (+) = signals summed

Data Path : Z:\voasrv\HPCHEM1\MSVOA_N\Data\VN022621\
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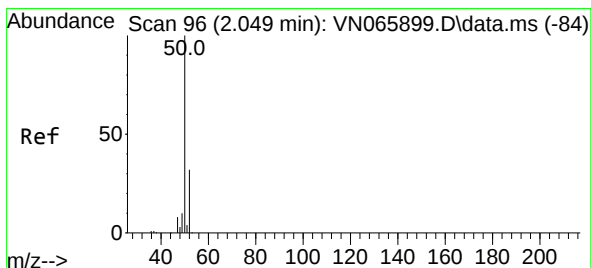
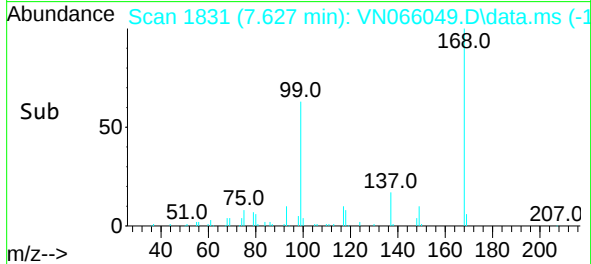
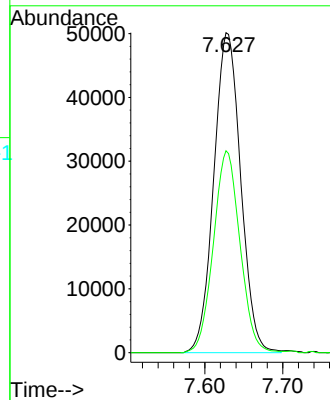
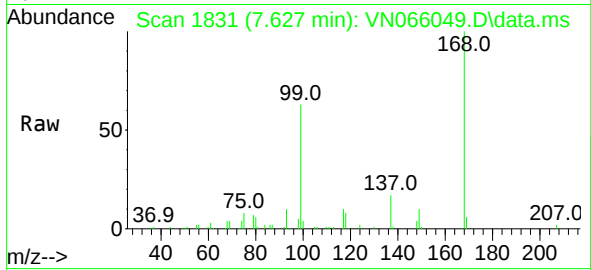




#1
Pentafluorobenzene
Concen: 50.00 ug/l
RT: 7.627 min Scan# 1831
Delta R.T. 0.000 min
Lab File: VN066049.D
Acq: 26 Feb 2021 14:25

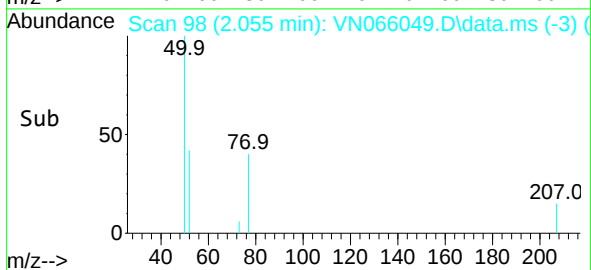
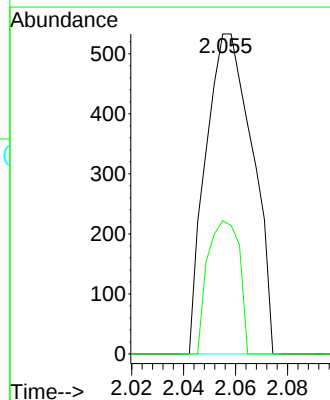
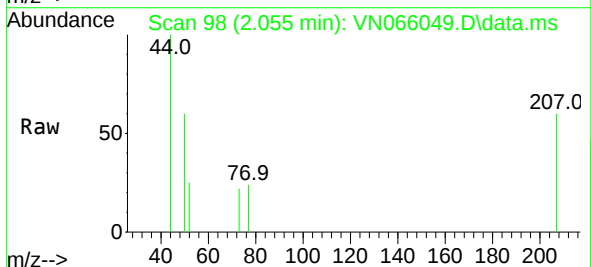
Instrument :
MSVOA_N
ClientSampleId :
GW805-20-25-022521

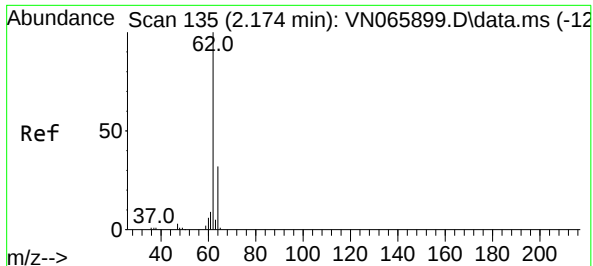
Tgt Ion:168 Resp: 120273
Ion Ratio Lower Upper
168 100
99 63.1 42.6 63.8



#3
Chloromethane
Concen: 0.34 ug/l
RT: 2.055 min Scan# 98
Delta R.T. 0.006 min
Lab File: VN066049.D
Acq: 26 Feb 2021 14:25

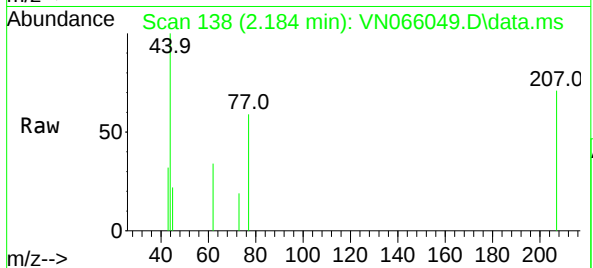
Tgt Ion: 50 Resp: 665
Ion Ratio Lower Upper
50 100
52 41.7 25.8 38.8#



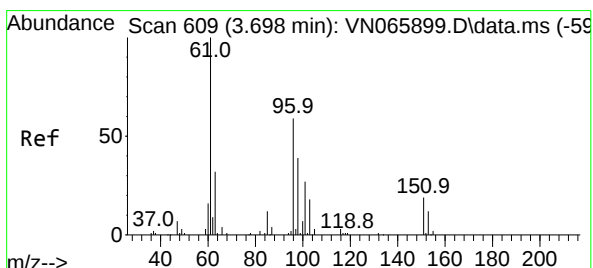
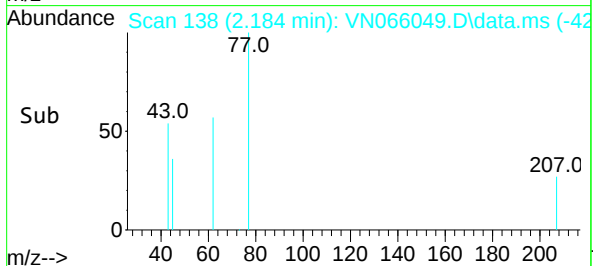
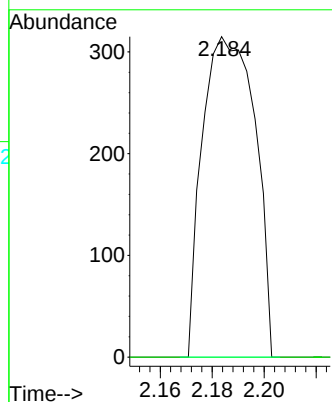


#4
 Vinyl Chloride
 Concen: 0.23 ug/l
 RT: 2.184 min Scan# 138
 Delta R.T. 0.010 min
 Lab File: VN066049.D
 Acq: 26 Feb 2021 14:25

Instrument :
 MSVOA_N
 ClientSampleId :
 GW805-20-25-022521

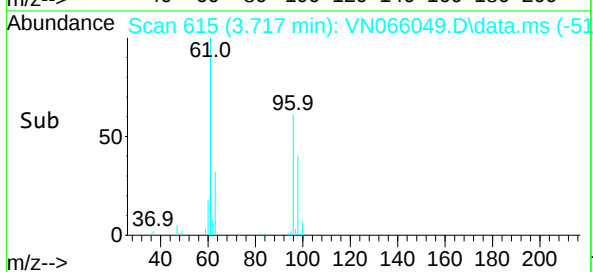
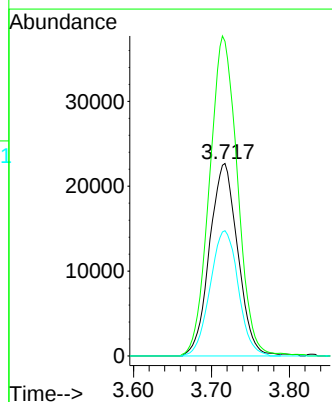
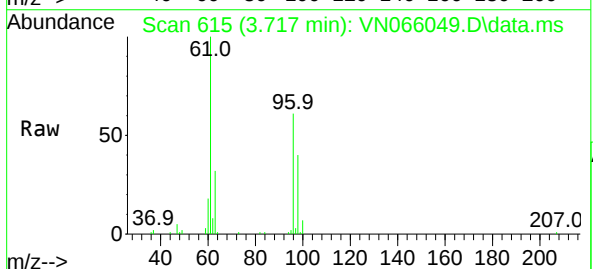


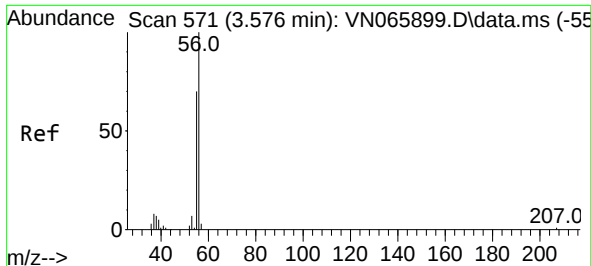
Tgt Ion: 62 Resp: 443
 Ion Ratio Lower Upper
 62 100
 64 0.0 25.1 37.7#



#12
 1,1-Dichloroethene
 Concen: 42.29 ug/l
 RT: 3.717 min Scan# 615
 Delta R.T. 0.019 min
 Lab File: VN066049.D
 Acq: 26 Feb 2021 14:25

Tgt Ion: 96 Resp: 57121
 Ion Ratio Lower Upper
 96 100
 61 163.5 122.5 183.7
 98 65.1 50.8 76.2

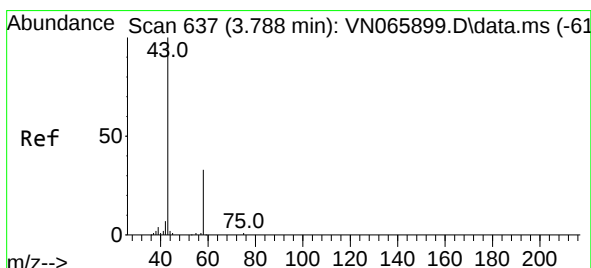
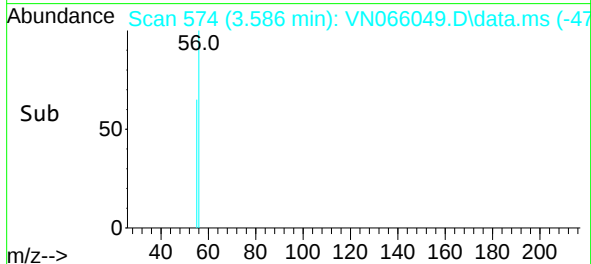
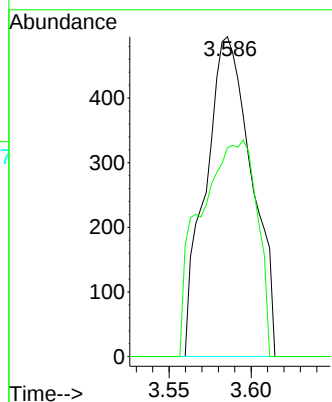
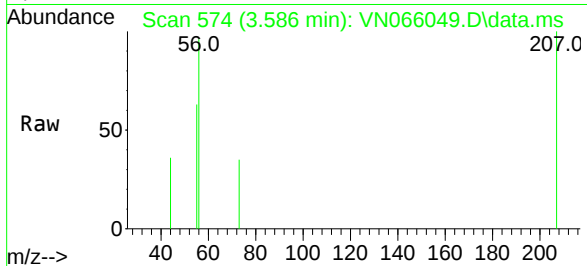




#13
Acrolein
Concen: 4.52 ug/l
RT: 3.586 min Scan# 574
Delta R.T. 0.010 min
Lab File: VN066049.D
Acq: 26 Feb 2021 14:25

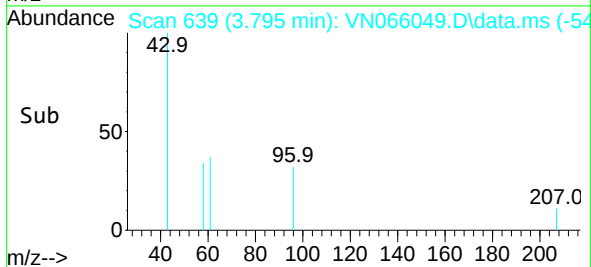
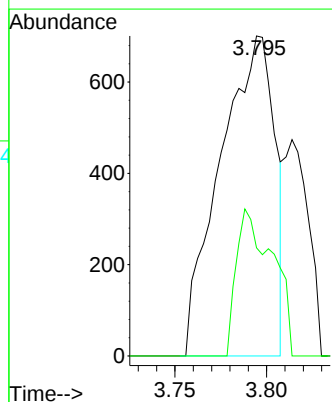
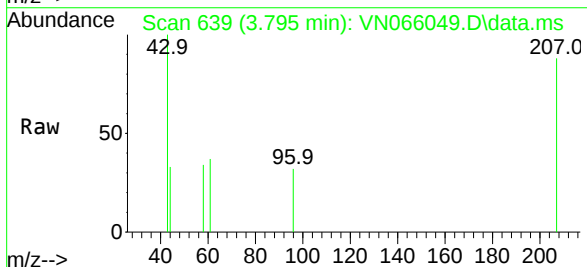
Instrument :
MSVOA_N
ClientSampleId :
GW805-20-25-022521

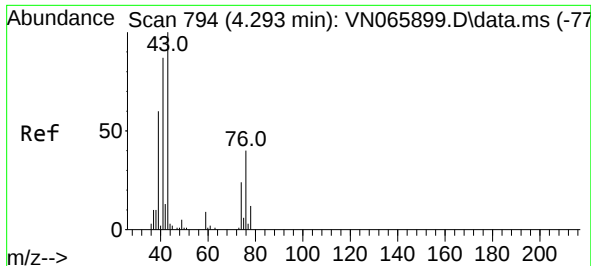
Tgt Ion: 56 Resp: 967
Ion Ratio Lower Upper
56 100
55 82.9 56.0 84.0



#16
Acetone
Concen: 1.14 ug/l
RT: 3.795 min Scan# 639
Delta R.T. 0.007 min
Lab File: VN066049.D
Acq: 26 Feb 2021 14:25

Tgt Ion: 43 Resp: 1448
Ion Ratio Lower Upper
43 100
58 33.8 27.0 40.6

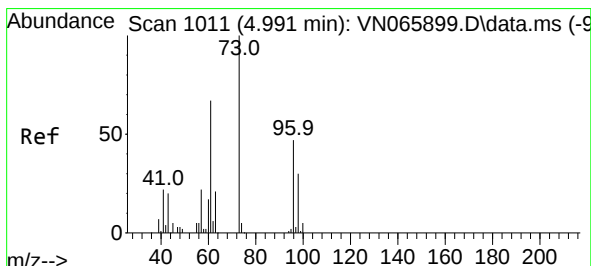
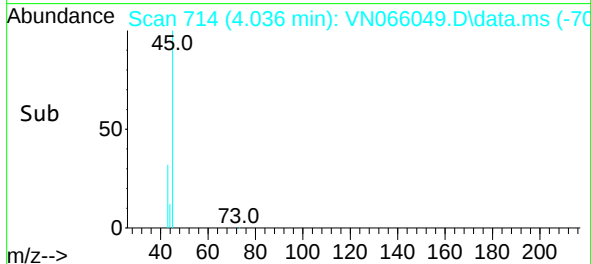
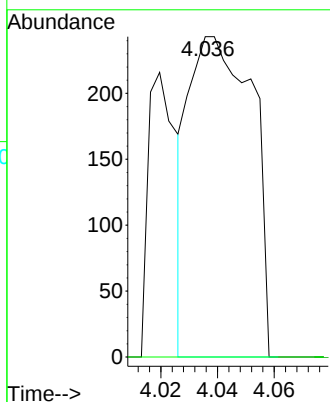
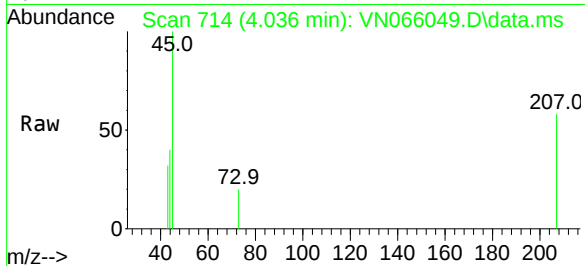




#18
Methyl Acetate
Concen: 0.27 ug/l
RT: 4.036 min Scan# 714
Delta R.T. -0.257 min
Lab File: VN066049.D
Acq: 26 Feb 2021 14:25

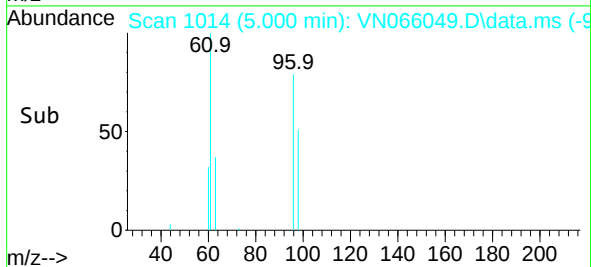
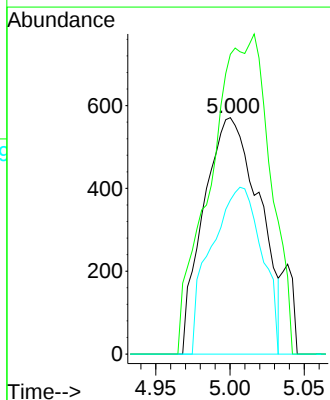
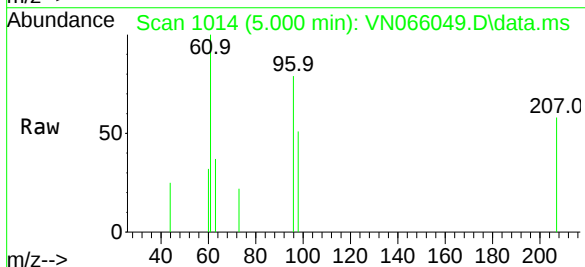
Instrument :
MSVOA_N
ClientSampleId :
GW805-20-25-022521

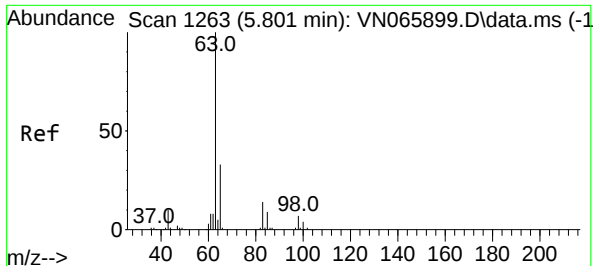
Tgt Ion: 43 Resp: 378
Ion Ratio Lower Upper
43 100
74 0.0 19.5 29.3#



#21
trans-1,2-Dichloroethene
Concen: 1.05 ug/l
RT: 5.000 min Scan# 1014
Delta R.T. 0.009 min
Lab File: VN066049.D
Acq: 26 Feb 2021 14:25

Tgt Ion: 96 Resp: 1491
Ion Ratio Lower Upper
96 100
61 126.8 104.9 157.3
98 65.1 51.8 77.8





#24

1,1-Dichloroethane

Concen: 5.45 ug/l

RT: 5.814 min Scan# 1267

Delta R.T. 0.013 min

Lab File: VN066049.D

Acq: 26 Feb 2021 14:25

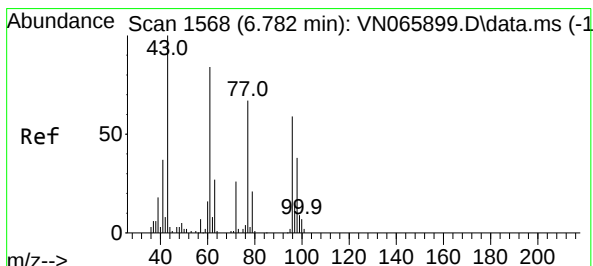
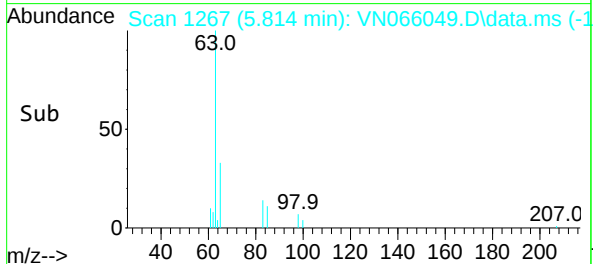
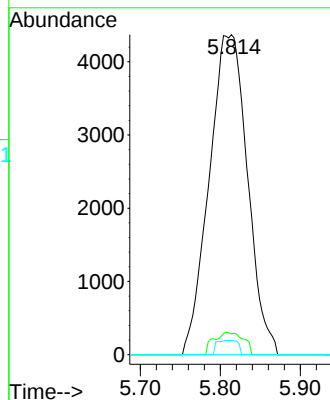
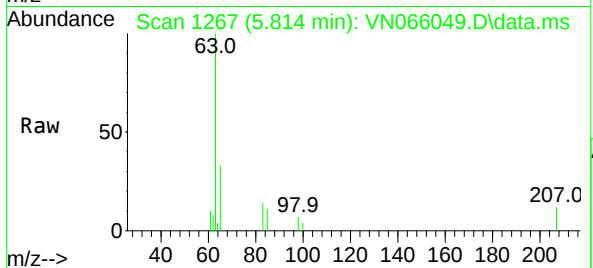
Tgt Ion:	63	Resp:	14531
Ion	Ratio	Lower	Upper
63	100		
98	6.5	3.5	10.4
100	4.4	2.3	6.9

Instrument :

MSVOA_N

ClientSampleId :

GW805-20-25-022521



#27

cis-1,2-Dichloroethene

Concen: 38.49 ug/l

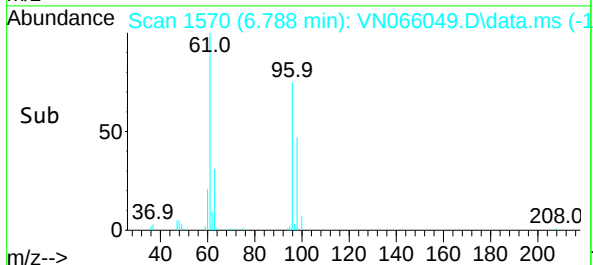
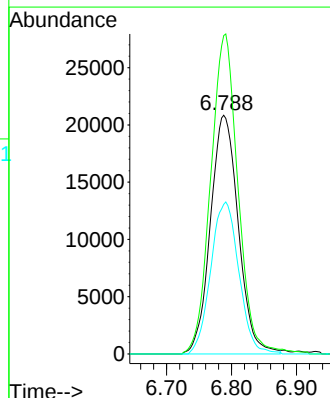
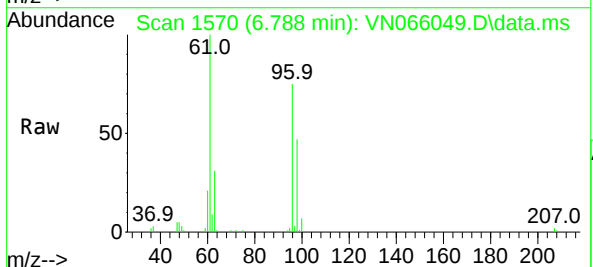
RT: 6.788 min Scan# 1570

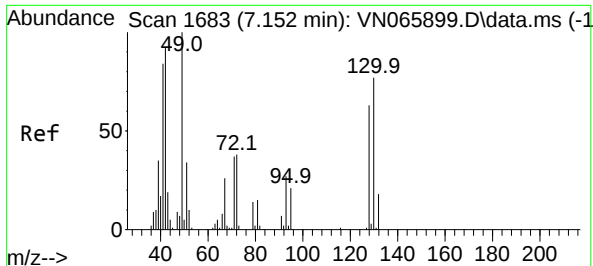
Delta R.T. 0.006 min

Lab File: VN066049.D

Acq: 26 Feb 2021 14:25

Tgt Ion:	96	Resp:	62246
Ion	Ratio	Lower	Upper
96	100		
61	131.3	0.0	276.8
98	64.1	0.0	129.4

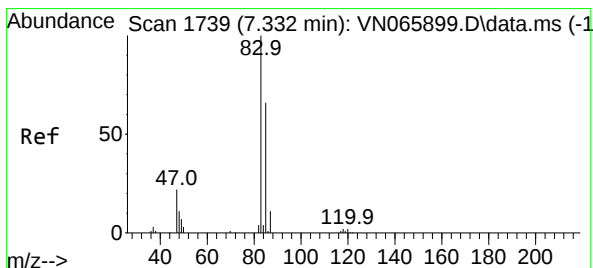
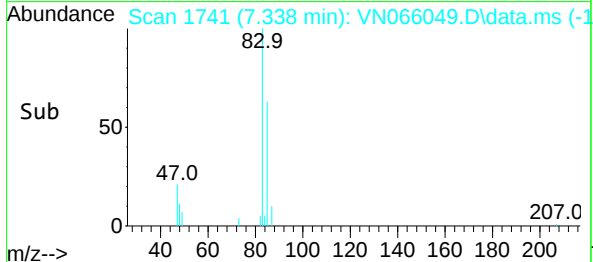
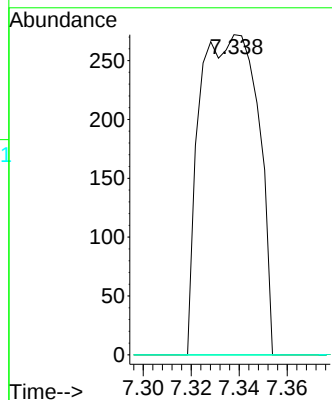
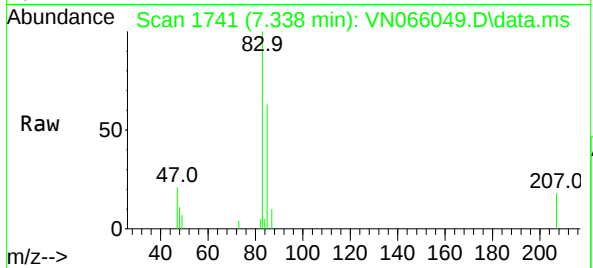




#28
Bromochloromethane
Concen: 0.37 ug/l
RT: 7.338 min Scan# 1741
Delta R.T. 0.186 min
Lab File: VN066049.D
Acq: 26 Feb 2021 14:25

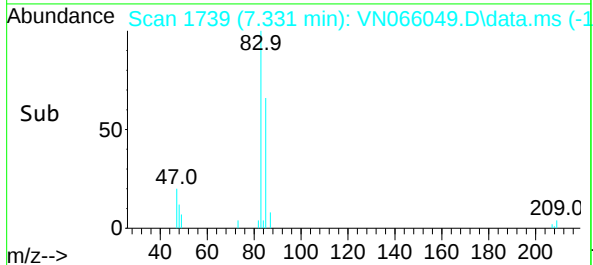
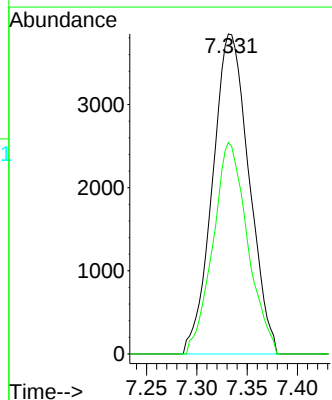
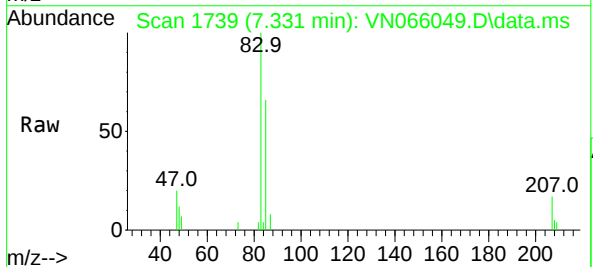
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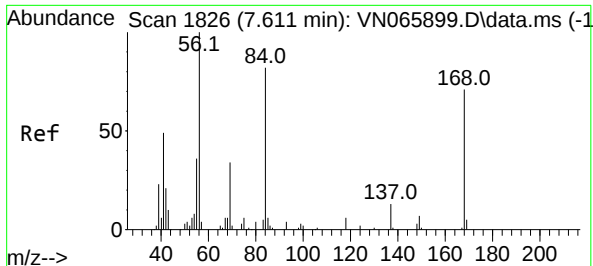
Tgt Ion: 49 Resp: 457
Ion Ratio Lower Upper
49 100
129 0.0 0.0 3.6
130 0.0 67.8 101.6#



#30
Chloroform
Concen: 3.68 ug/l
RT: 7.331 min Scan# 1739
Delta R.T. -0.001 min
Lab File: VN066049.D
Acq: 26 Feb 2021 14:25

Tgt Ion: 83 Resp: 9697
Ion Ratio Lower Upper
83 100
85 66.1 52.6 78.8

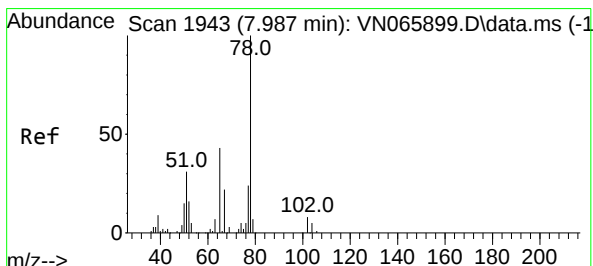
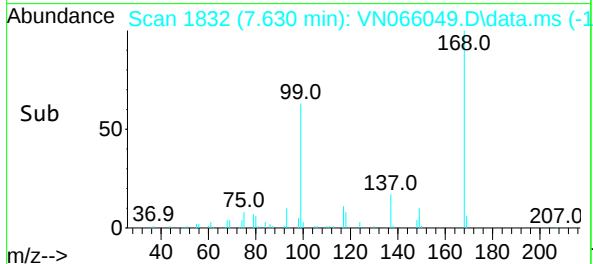
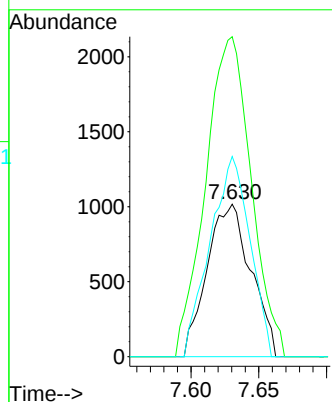
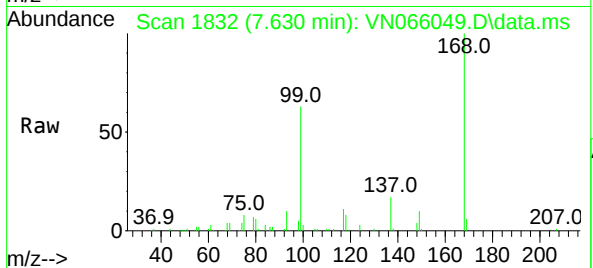




#31
Cyclohexane
Concen: 0.91 ug/l
RT: 7.630 min Scan# 1832
Delta R.T. 0.019 min
Lab File: VN066049.D
Acq: 26 Feb 2021 14:25

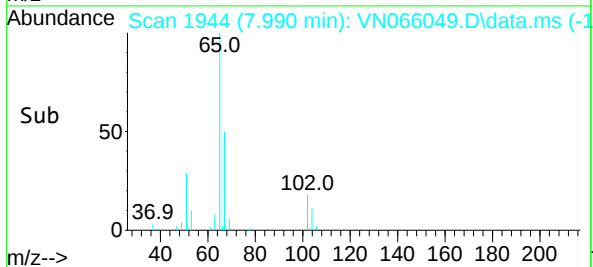
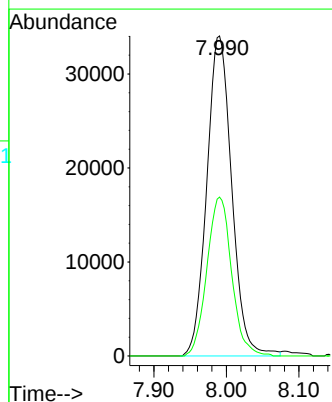
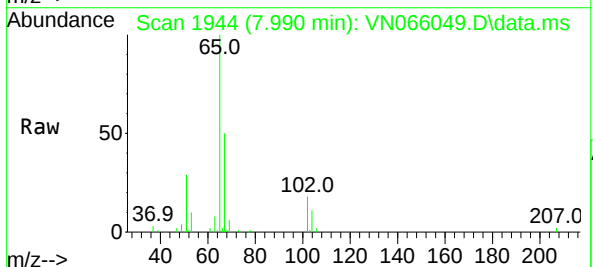
Instrument :
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ClientSampleId :
GW805-20-25-022521

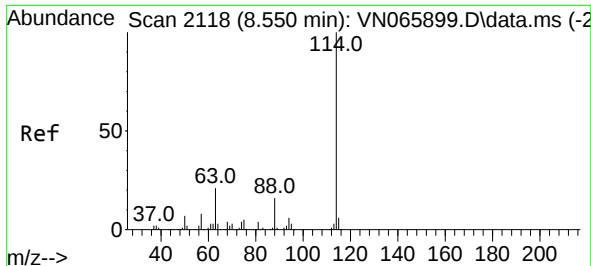
Tgt Ion: 56 Resp: 2291
Ion Ratio Lower Upper
56 100
69 192.8 26.6 39.8#
84 131.3 70.4 105.6#



#33
1,2-Dichloroethane-d4
Concen: 48.45 ug/l
RT: 7.990 min Scan# 1944
Delta R.T. 0.003 min
Lab File: VN066049.D
Acq: 26 Feb 2021 14:25

Tgt Ion: 65 Resp: 81491
Ion Ratio Lower Upper
65 100
67 49.2 0.0 107.2

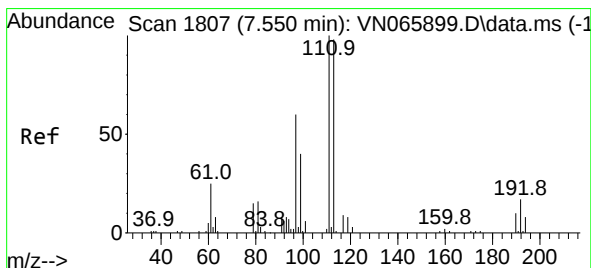
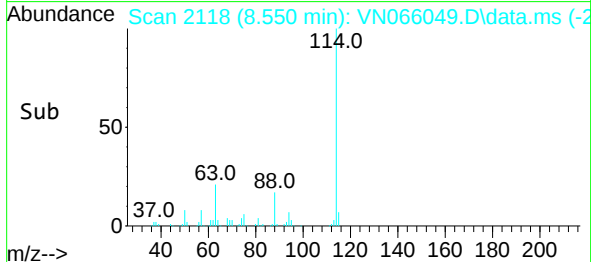
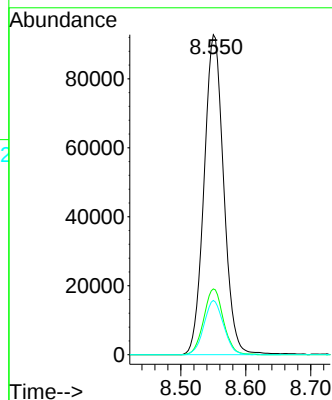
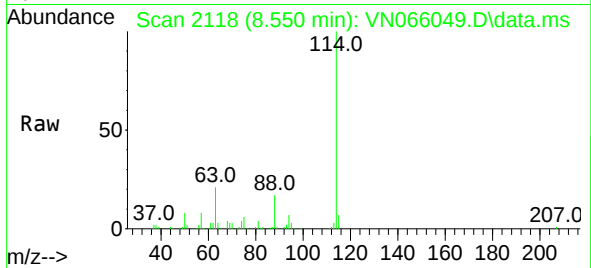




#34
1,4-Difluorobenzene
Concen: 50.00 ug/l
RT: 8.550 min Scan# 2118
Delta R.T. -0.000 min
Lab File: VN066049.D
Acq: 26 Feb 2021 14:25

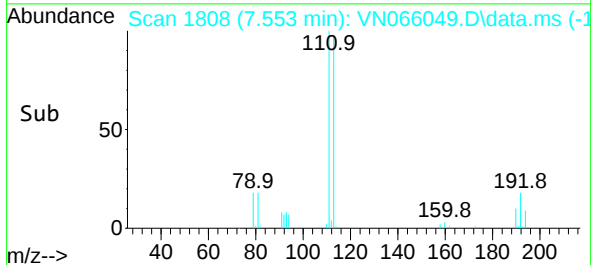
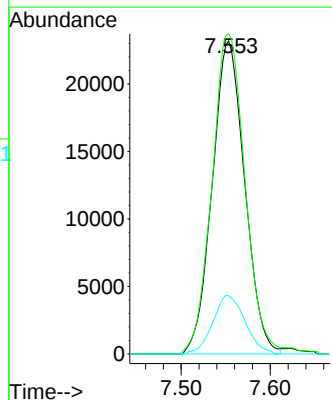
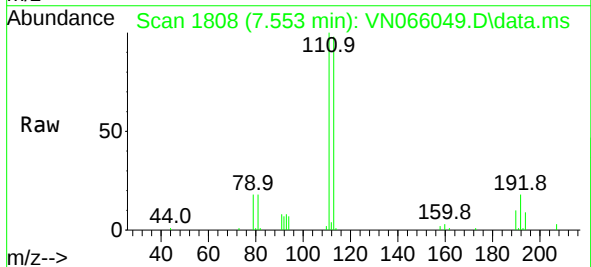
Instrument :
MSVOA_N
ClientSampleId :
GW805-20-25-022521

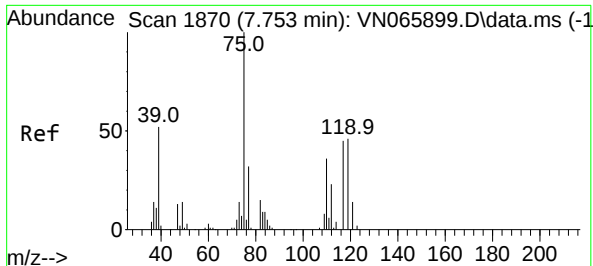
Tgt Ion:	114	Resp:	195176
Ion Ratio	Lower	Upper	
114	100		
63	20.6	0.0	38.6
88	17.0	0.0	30.6



#35
Dibromofluoromethane
Concen: 48.48 ug/l
RT: 7.553 min Scan# 1808
Delta R.T. 0.003 min
Lab File: VN066049.D
Acq: 26 Feb 2021 14:25

Tgt Ion:	113	Resp:	58558
Ion Ratio	Lower	Upper	
113	100		
111	105.3	82.2	123.2
192	18.6	15.4	23.0

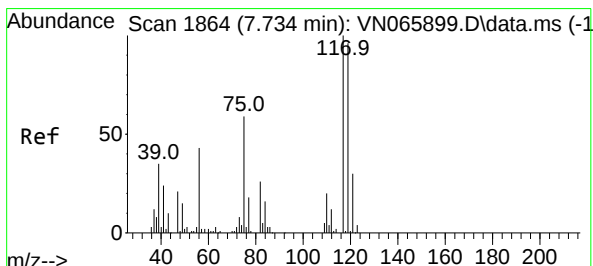
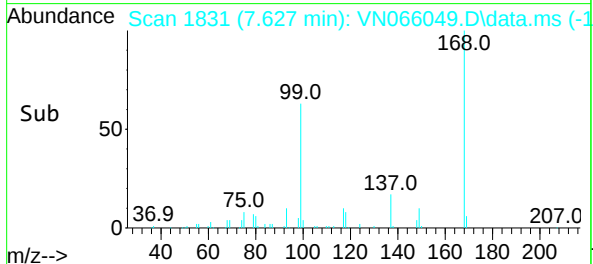
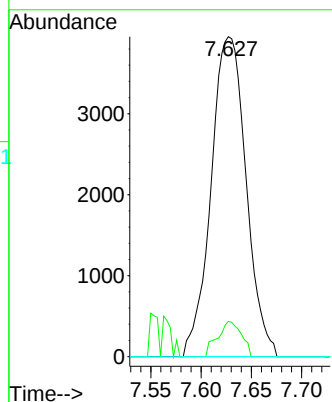
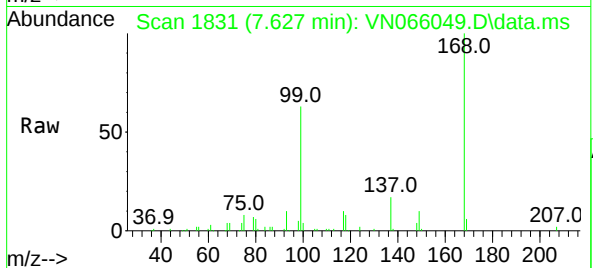




#36
1,1-Dichloropropene
Concen: 4.98 ug/l
RT: 7.627 min Scan# 1831
Delta R.T. -0.126 min
Lab File: VN066049.D
Acq: 26 Feb 2021 14:25

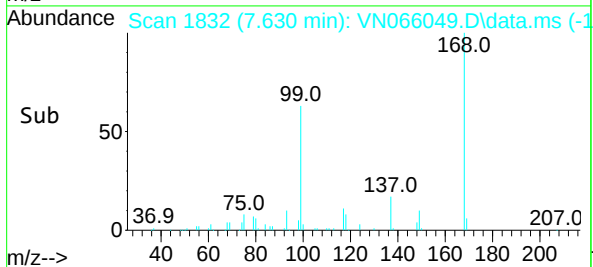
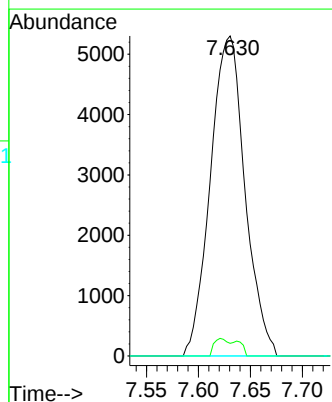
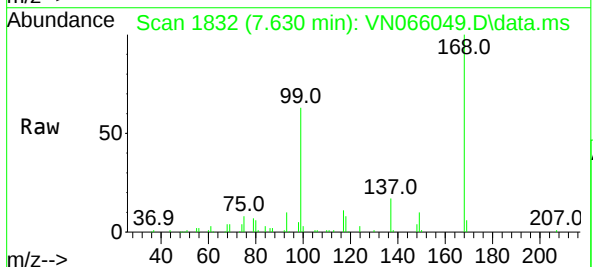
Instrument :
MSVOA_N
ClientSampleId :
GW805-20-25-022521

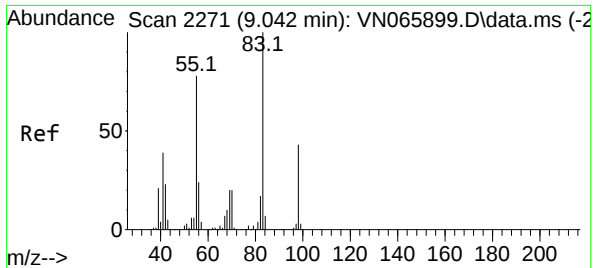
Tgt Ion: 75 Resp: 9584
Ion Ratio Lower Upper
75 100
110 7.5 18.2 54.6#
77 0.0 24.9 37.3#



#38
Carbon Tetrachloride
Concen: 6.88 ug/l
RT: 7.630 min Scan# 1832
Delta R.T. -0.104 min
Lab File: VN066049.D
Acq: 26 Feb 2021 14:25

Tgt Ion: 117 Resp: 12299
Ion Ratio Lower Upper
117 100
119 3.9 76.0 114.0#
121 0.0 24.5 36.7#

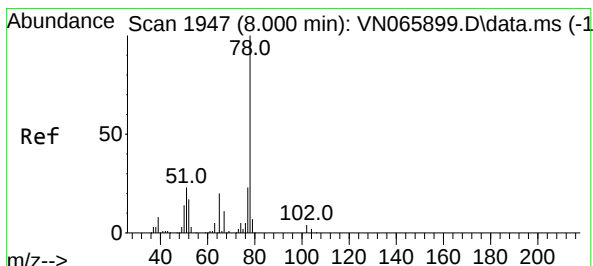
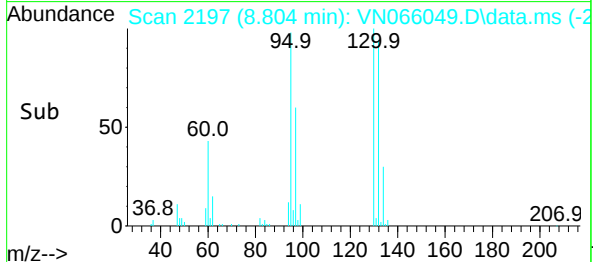
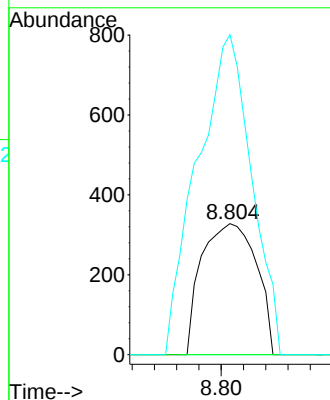
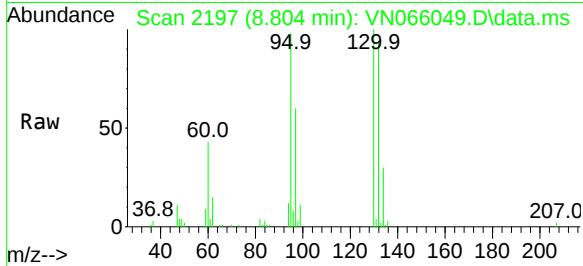




#39
Methylcyclohexane
Concen: 0.26 ug/l
RT: 8.804 min Scan# 2197
Delta R.T. -0.238 min
Lab File: VN066049.D
Acq: 26 Feb 2021 14:25

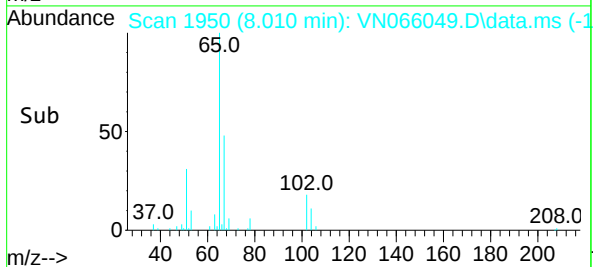
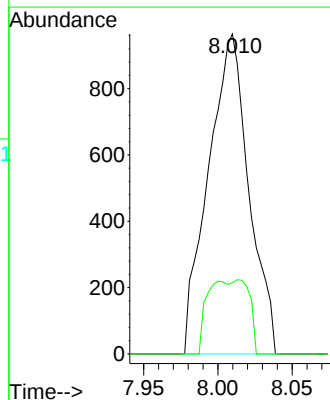
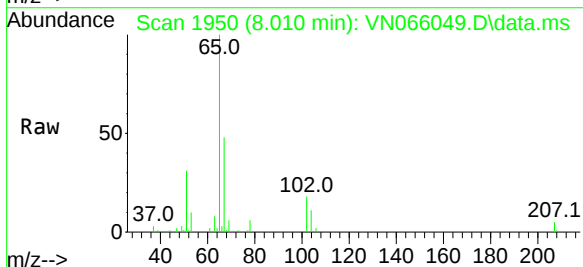
Instrument :
MSVOA_N
ClientSampleId :
GW805-20-25-022521

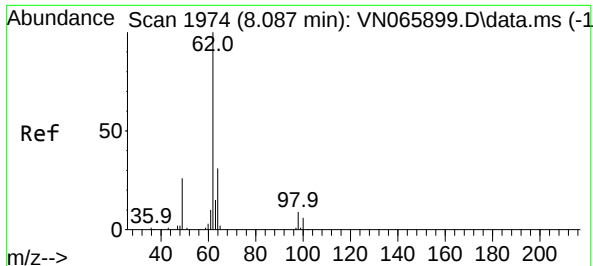
Tgt Ion:	83	Resp:	559
Ion	Ratio	Lower	Upper
83	100		
55	0.0	58.9	88.3#
98	244.2	35.9	53.9#



#40
Benzene
Concen: 0.31 ug/l
RT: 8.010 min Scan# 1950
Delta R.T. 0.010 min
Lab File: VN066049.D
Acq: 26 Feb 2021 14:25

Tgt Ion:	78	Resp:	1830
Ion	Ratio	Lower	Upper
78	100		
77	22.2	19.0	28.4





#42

1,2-Dichloroethane

Concen: 6.99 ug/l

RT: 8.090 min Scan# 1975

Delta R.T. 0.003 min

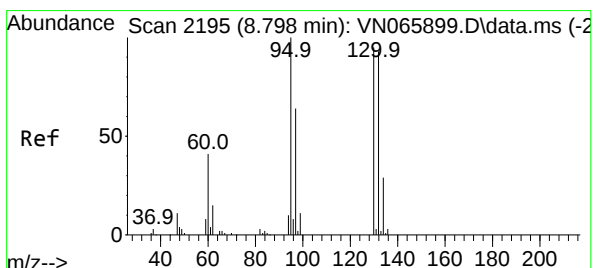
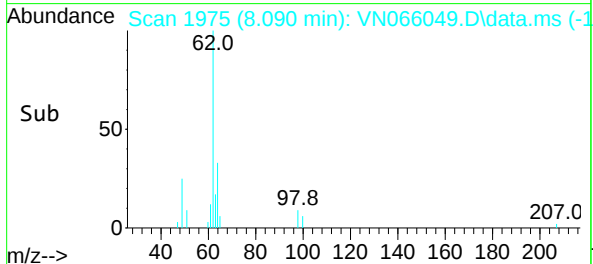
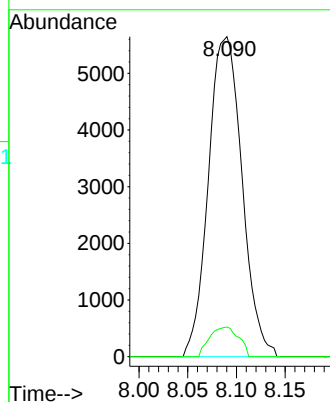
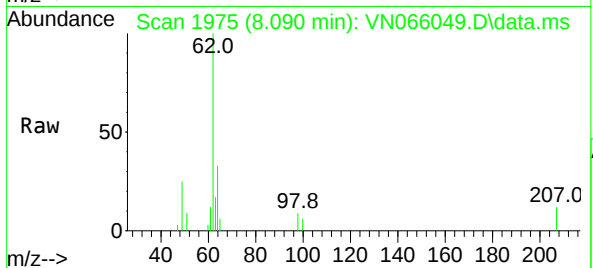
Lab File: VN066049.D

Acq: 26 Feb 2021 14:25

Tgt Ion: 62 Resp: 13568

Ion Ratio Lower Upper

62 100
98 8.0 0.0 18.6



#44

Trichloroethene

Concen: 39.15 ug/l

RT: 8.804 min Scan# 2197

Delta R.T. 0.006 min

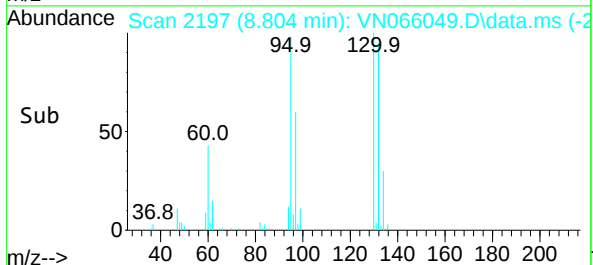
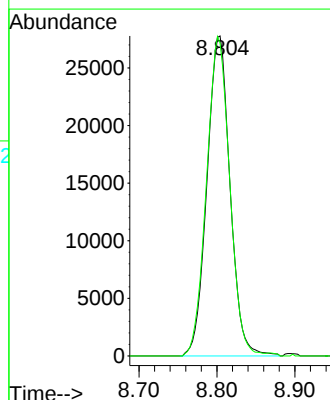
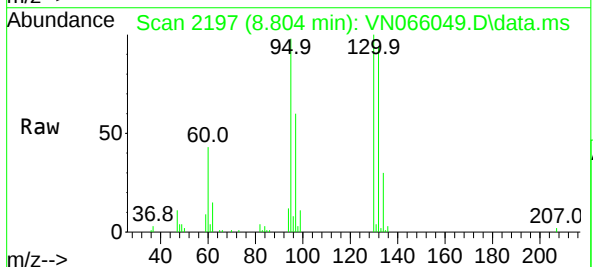
Lab File: VN066049.D

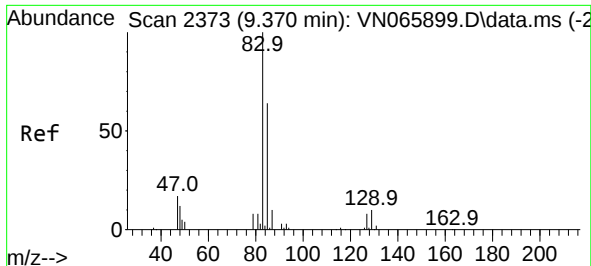
Acq: 26 Feb 2021 14:25

Tgt Ion: 130 Resp: 57171

Ion Ratio Lower Upper

130 100
95 97.8 0.0 199.6

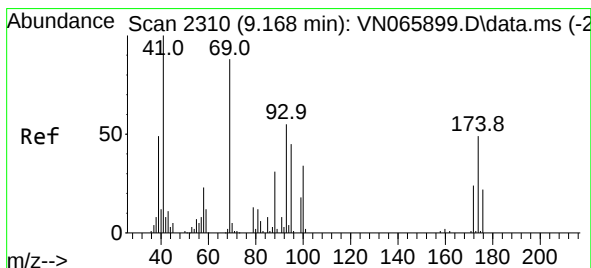
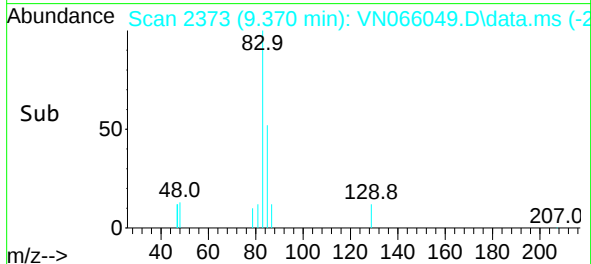
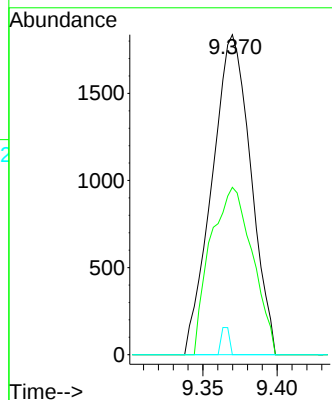
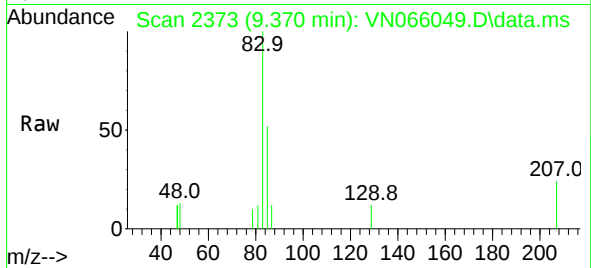




#47
Bromodichloromethane
Concen: 1.78 ug/l
RT: 9.370 min Scan# 2373
Delta R.T. -0.000 min
Lab File: VN066049.D
Acq: 26 Feb 2021 14:25

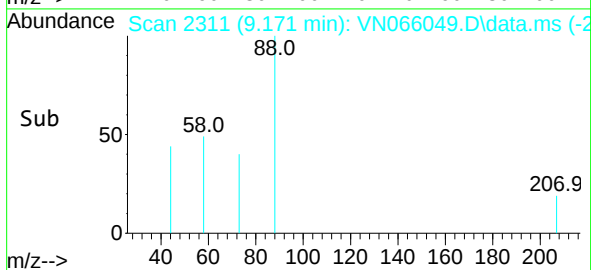
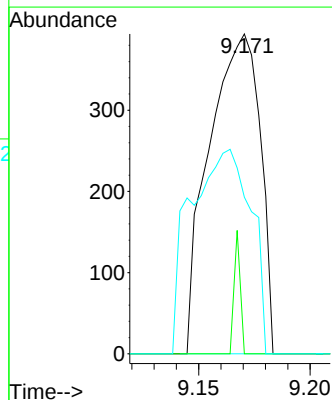
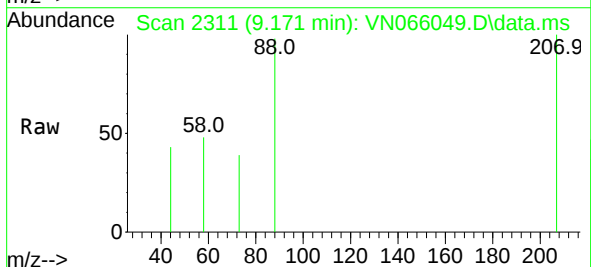
Instrument :
MSVOA_N
ClientSampleId :
GW805-20-25-022521

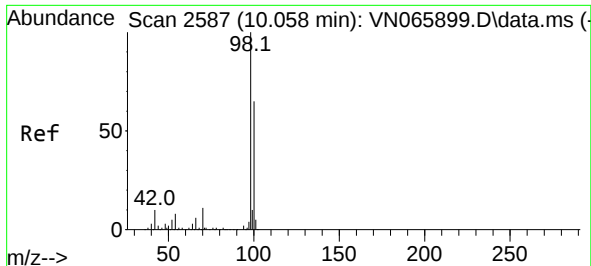
Tgt Ion:	83	Resp:	3332
Ion	Ratio	Lower	Upper
83	100		
85	52.3	51.0	76.4
127	0.0	7.0	10.6#



#49
1,4-Dioxane
Concen: 26.18 ug/l
RT: 9.171 min Scan# 2311
Delta R.T. 0.003 min
Lab File: VN066049.D
Acq: 26 Feb 2021 14:25

Tgt Ion:	88	Resp:	626
Ion	Ratio	Lower	Upper
88	100		
43	4.6	24.7	37.1#
58	75.7	52.6	78.8

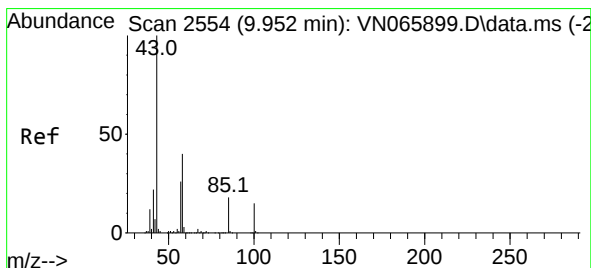
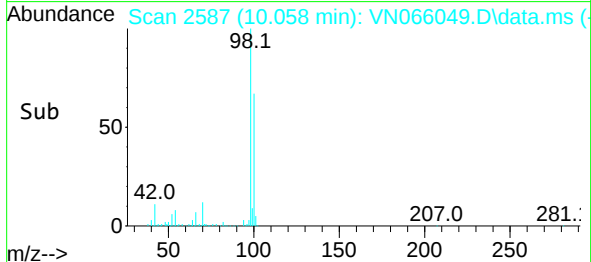
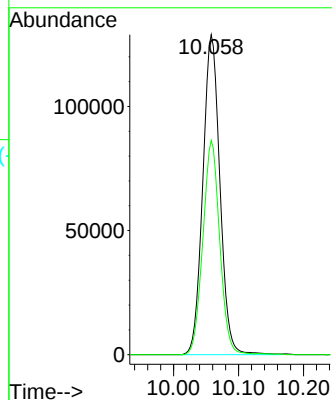
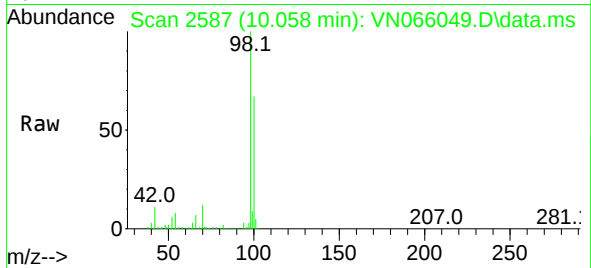




#50
Toluene-d8
Concen: 47.69 ug/l
RT: 10.058 min Scan# 2587
Delta R.T. -0.000 min
Lab File: VN066049.D
Acq: 26 Feb 2021 14:25

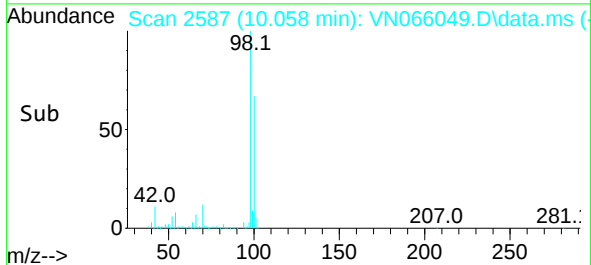
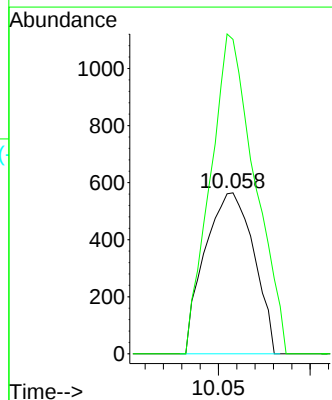
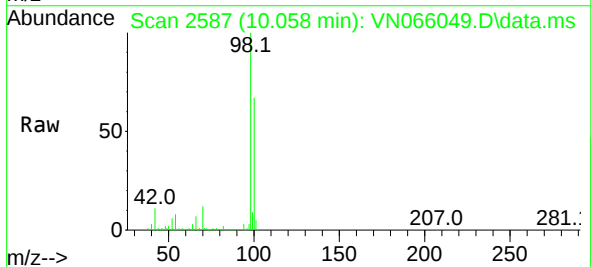
Instrument :
MSVOA_N
ClientSampleId :
GW805-20-25-022521

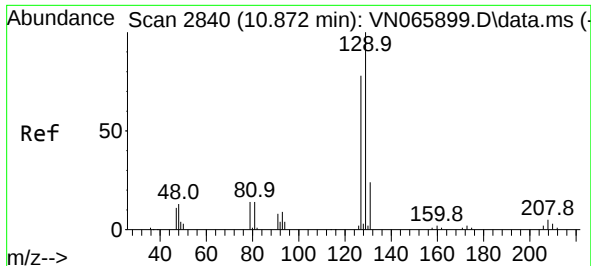
Tgt Ion: 98 Resp: 236474
Ion Ratio Lower Upper
98 100
100 65.8 50.5 75.7



#51
4-Methyl-2-Pentanone
Concen: 0.62 ug/l
RT: 10.058 min Scan# 2587
Delta R.T. 0.106 min
Lab File: VN066049.D
Acq: 26 Feb 2021 14:25

Tgt Ion: 43 Resp: 1045
Ion Ratio Lower Upper
43 100
58 181.1 32.5 48.7#

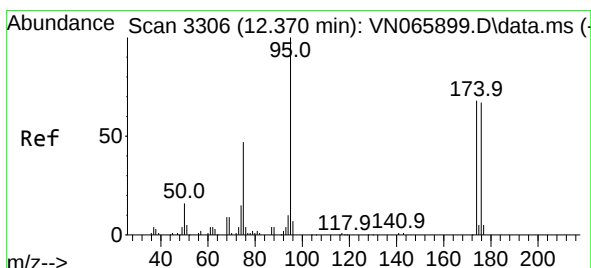
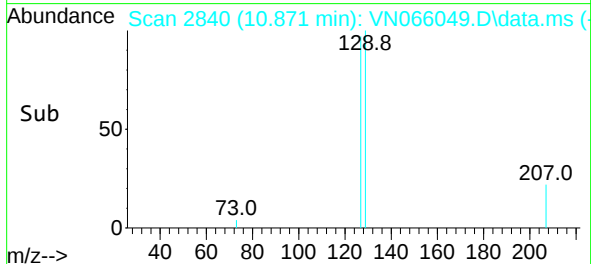
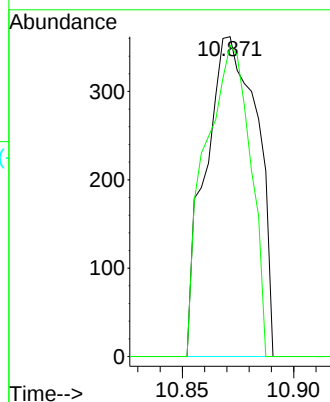
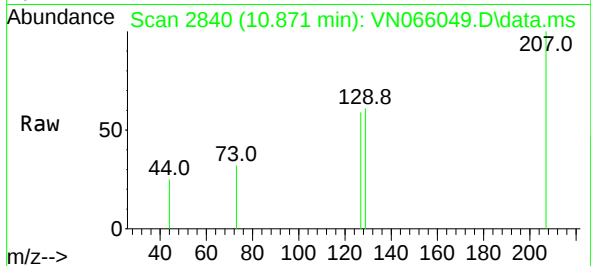




#60
Dibromochloromethane
Concen: 0.42 ug/l
RT: 10.871 min Scan# 2840
Delta R.T. -0.001 min
Lab File: VN066049.D
Acq: 26 Feb 2021 14:25

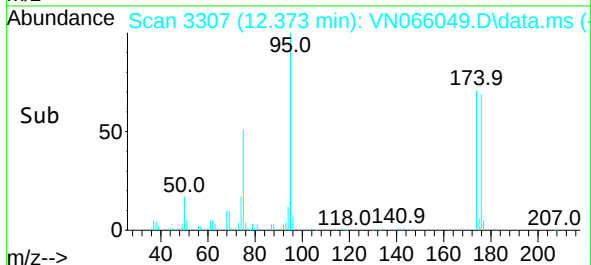
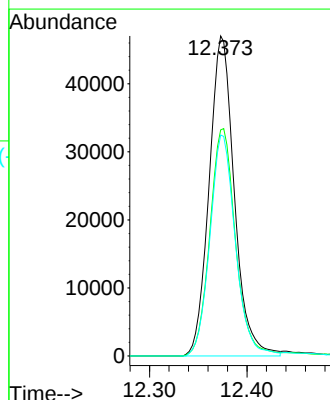
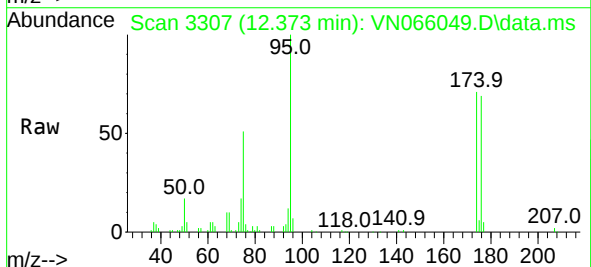
Instrument :
MSVOA_N
ClientSampleId :
GW805-20-25-022521

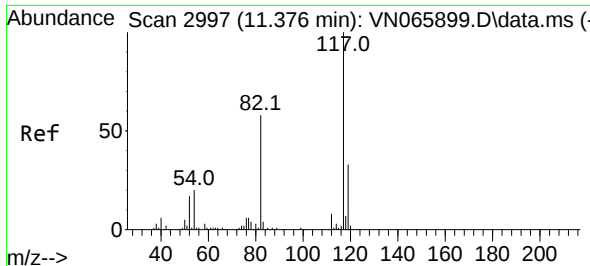
Tgt Ion:129 Resp: 582
Ion Ratio Lower Upper
129 100
127 85.7 38.5 115.5



#62
4-Bromofluorobenzene
Concen: 45.33 ug/l
RT: 12.373 min Scan# 3307
Delta R.T. 0.003 min
Lab File: VN066049.D
Acq: 26 Feb 2021 14:25

Tgt Ion: 95 Resp: 84381
Ion Ratio Lower Upper
95 100
174 73.6 0.0 169.0
176 69.8 0.0 162.4

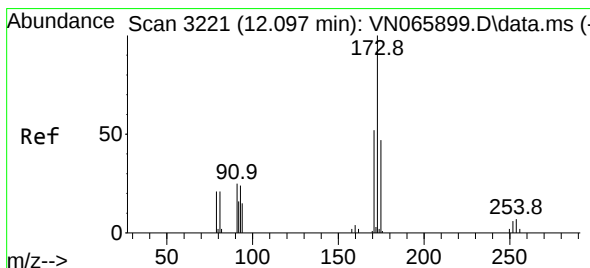
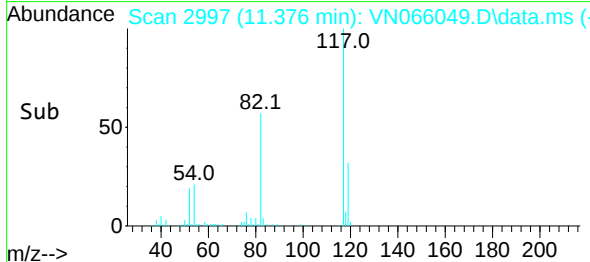
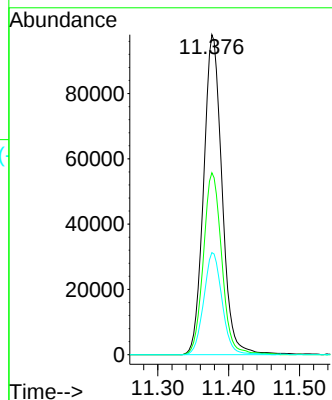
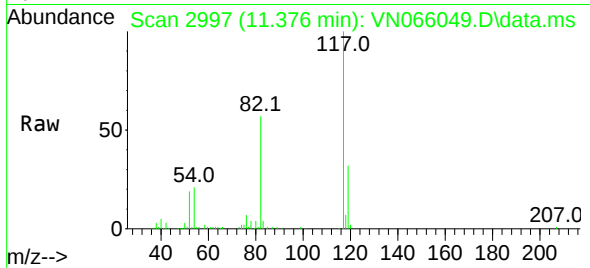




#63
Chlorobenzene-d5
Concen: 50.00 ug/l
RT: 11.376 min Scan# 2997
Delta R.T. 0.000 min
Lab File: VN066049.D
Acq: 26 Feb 2021 14:25

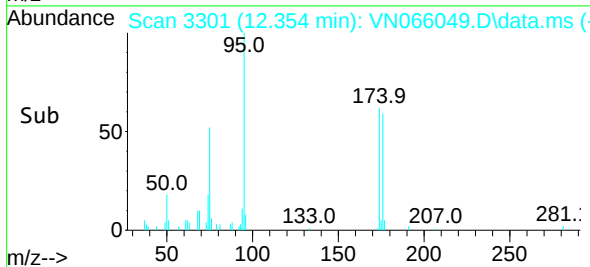
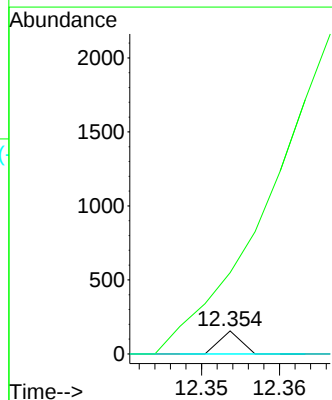
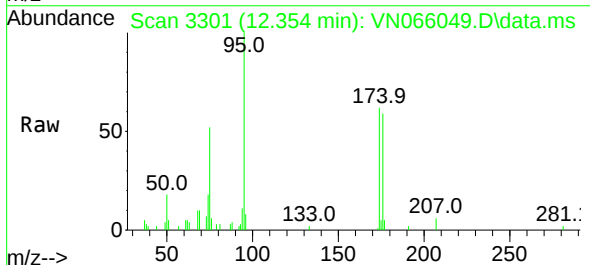
Instrument :
MSVOA_N
ClientSampleId :
GW805-20-25-022521

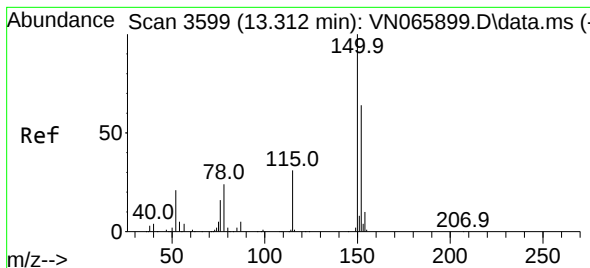
Tgt Ion:117 Resp: 176817
Ion Ratio Lower Upper
117 100
82 56.9 43.7 65.5
119 31.9 26.1 39.1



#71
Bromoform
Concen: 2.53 ug/l
RT: 12.354 min Scan# 3301
Delta R.T. 0.257 min
Lab File: VN066049.D
Acq: 26 Feb 2021 14:25

Tgt Ion:173 Resp: 30
Ion Ratio Lower Upper
173 100
175 0.0 23.8 71.2#
254 0.0 0.0 0.0

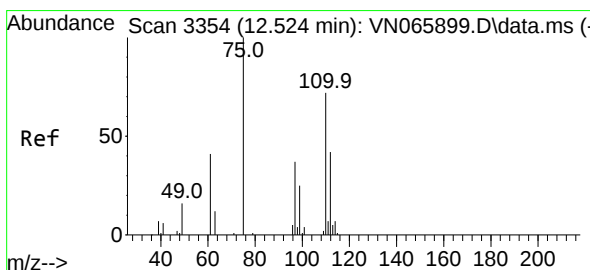
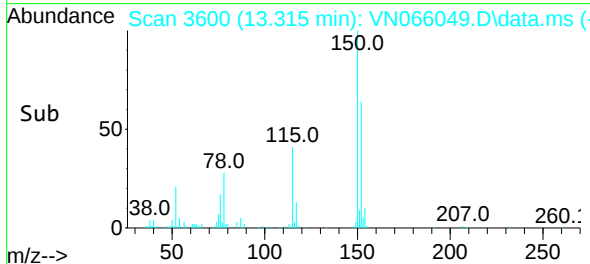
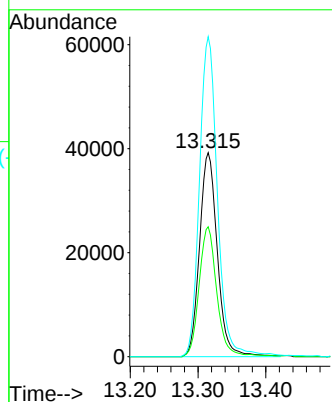
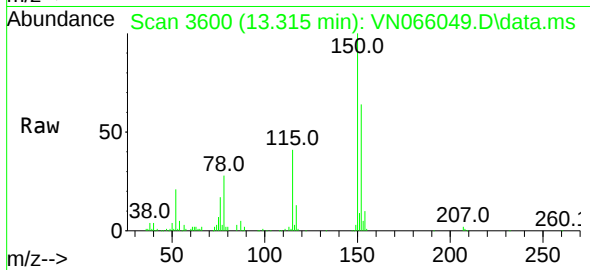




#72
1,4-Dichlorobenzene-d4
Concen: 50.00 ug/l
RT: 13.315 min Scan# 3600
Delta R.T. 0.003 min
Lab File: VN066049.D
Acq: 26 Feb 2021 14:25

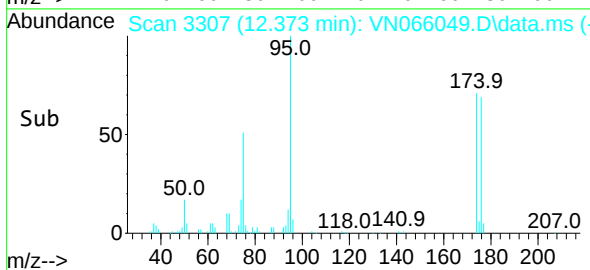
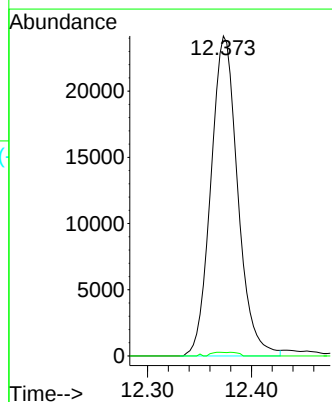
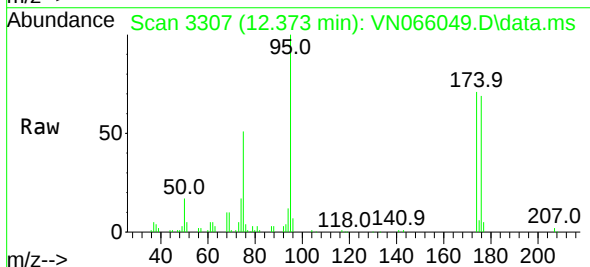
Instrument :
MSVOA_N
ClientSampleId :
GW805-20-25-022521

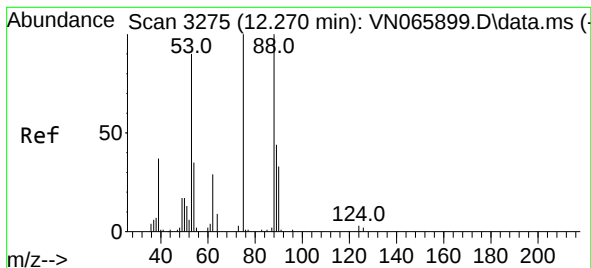
Tgt Ion:152 Resp: 71605
Ion Ratio Lower Upper
152 100
115 63.1 28.5 85.6
150 157.5 0.0 347.6



#76
1,2,3-Trichloropropane
Concen: 25.27 ug/l
RT: 12.373 min Scan# 3307
Delta R.T. -0.151 min
Lab File: VN066049.D
Acq: 26 Feb 2021 14:25

Tgt Ion: 75 Resp: 43474
Ion Ratio Lower Upper
75 100
77 0.7 0.0 0.0#

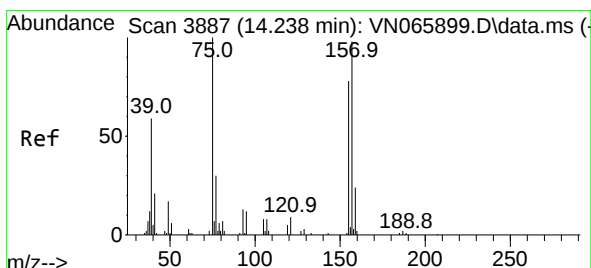
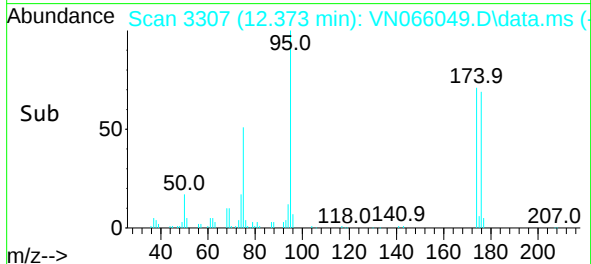
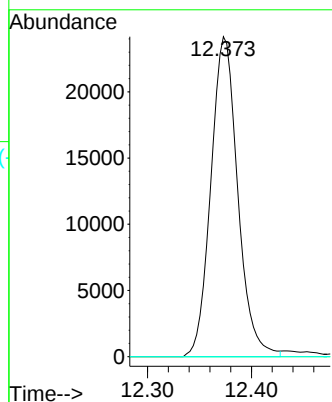
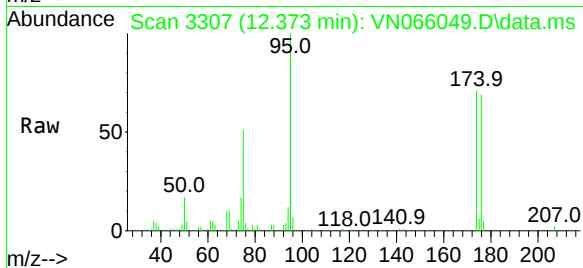




#81
trans-1,4-Dichloro-2-butene
Concen: 80.54 ug/l
RT: 12.373 min Scan# 3307
Delta R.T. 0.103 min
Lab File: VN066049.D
Acq: 26 Feb 2021 14:25

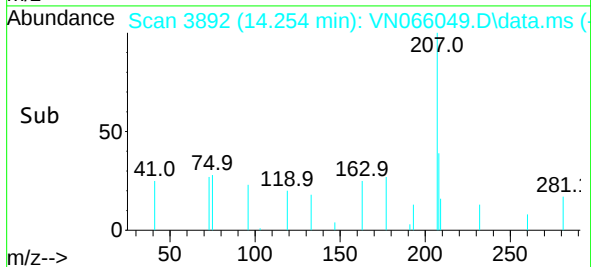
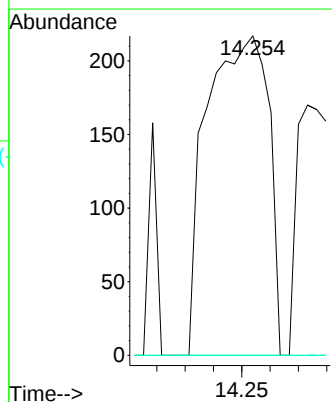
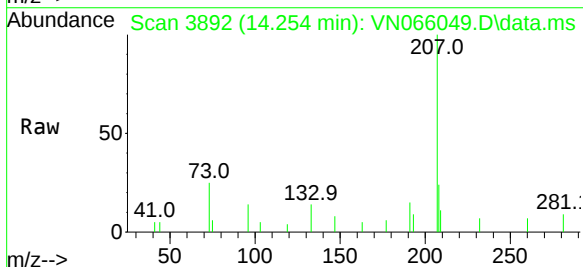
Instrument :
MSVOA_N
ClientSampleId :
GW805-20-25-022521

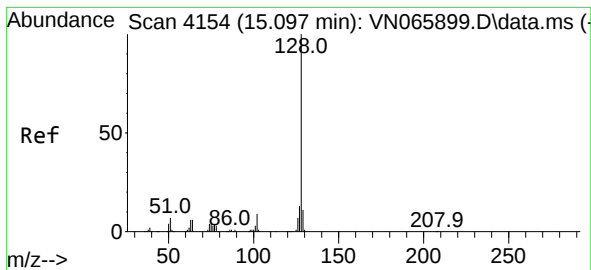
Tgt Ion: 75 Resp: 43474
Ion Ratio Lower Upper
75 100
53 0.0 74.6 111.8#
89 0.0 35.8 53.8#



#92
1,2-Dibromo-3-Chloropropane
Concen: 1.80 ug/l
RT: 14.254 min Scan# 3892
Delta R.T. 0.016 min
Lab File: VN066049.D
Acq: 26 Feb 2021 14:25

Tgt Ion: 75 Resp: 328
Ion Ratio Lower Upper
75 100
155 0.0 44.1 132.4#
157 0.0 56.0 168.2#





#95
Naphthalene
Concen: 3.08 ug/l
RT: 15.106 min Scan# 4157
Delta R.T. 0.009 min
Lab File: VN066049.D
Acq: 26 Feb 2021 14:25

Instrument :
MSVOA_N
ClientSampleId :
GW805-20-25-022521

Tgt Ion:128 Resp: 123
Ion Ratio Lower Upper
128 100
127 0.0 10.2 15.2#
129 0.0 8.6 13.0#

