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 Data File : VN066077.D
 Acq On : 1 Mar 2021 15:07
 Operator : JC/MD
 Sample : M1519-03
 Misc : 5.00mL/MSVOA_N/WATER
 ALS Vial : 11 Sample Multiplier: 1

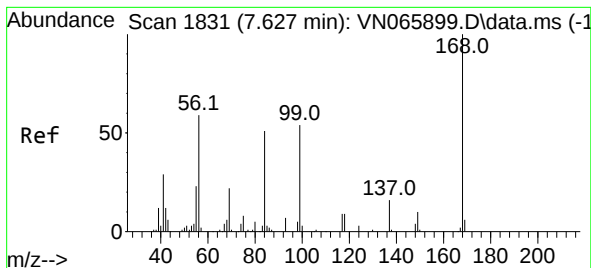
Instrument :
 MSVOA_N
 ClientSampleId :
 GW806-20-25-022621

Quant Time: Mar 01 21:42:55 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	116384	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	8.550	114	187826	50.00	ug/l	0.00
63) Chlorobenzene-d5	11.376	117	168590	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.315	152	65758	50.00	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	7.987	65	78757	48.39	ug/l	0.00
Spiked Amount 50.000	Range 61 - 141		Recovery =	96.78%		
35) Dibromofluoromethane	7.553	113	56515	48.62	ug/l	0.00
Spiked Amount 50.000	Range 69 - 133		Recovery =	97.24%		
50) Toluene-d8	10.058	98	228302	47.85	ug/l	0.00
Spiked Amount 50.000	Range 65 - 126		Recovery =	95.70%		
62) 4-Bromofluorobenzene	12.373	95	81739	45.63	ug/l	0.00
Spiked Amount 50.000	Range 58 - 135		Recovery =	91.26%		
Target Compounds						Qvalue
3) Chloromethane	2.055	50	869	0.46	ug/l #	83
12) 1,1-Dichloroethene	3.711	96	6326	4.84	ug/l	99
13) Acrolein	3.586	56	966	4.66	ug/l	85
14) Allyl chloride	4.029	41	871	0.39	ug/l #	77
16) Acetone	3.792	43	3733	5.73	ug/l #	86
18) Methyl Acetate	4.036	43	2834	2.11	ug/l #	51
24) 1,1-Dichloroethane	5.795	63	605	0.23	ug/l #	82
27) cis-1,2-Dichloroethene	6.785	96	8310	5.31	ug/l	91
28) Bromochloromethane	7.335	49	1905	1.60	ug/l #	9
30) Chloroform	7.332	83	27013	10.60	ug/l	97
31) Cyclohexane	7.631	56	2382	0.98	ug/l #	23
36) 1,1-Dichloropropene	7.624	75	8891	4.80	ug/l #	47
38) Carbon Tetrachloride	7.627	117	11666	6.78	ug/l #	17
42) 1,2-Dichloroethane	8.087	62	2016	1.08	ug/l #	74
44) Trichloroethene	8.801	130	3022	2.15	ug/l	92
47) Bromodichloromethane	9.367	83	12659	7.01	ug/l	98
51) 4-Methyl-2-Pentanone	9.946	43	417	0.26	ug/l #	35
59) 2-Hexanone	10.830	43	707	0.61	ug/l #	23
60) Dibromochloromethane	10.868	129	3471	2.60	ug/l	100
76) 1,2,3-Trichloropropane	12.373	75	42696	27.03	ug/l #	100
81) trans-1,4-Dichloro-2-b...	12.373	75	42696	86.14	ug/l #	12
92) 1,2-Dibromo-3-Chloropr...	14.235	75	111	1.20	ug/l #	1
95) Naphthalene	15.103	128	366	3.15	ug/l #	69

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



#1

Pentafluorobenzene

Concen: 50.00 ug/l

RT: 7.627 min Scan# 1831

Delta R.T. 0.000 min

Lab File: VN066077.D

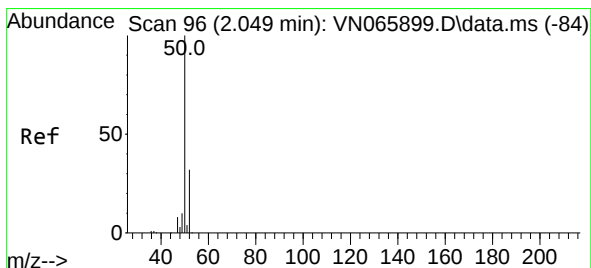
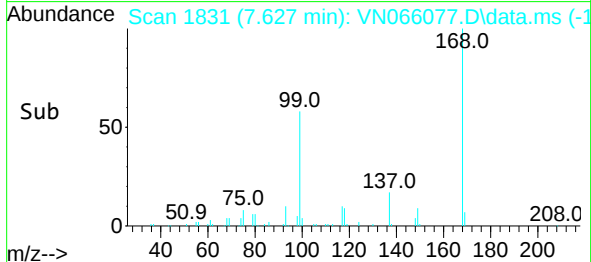
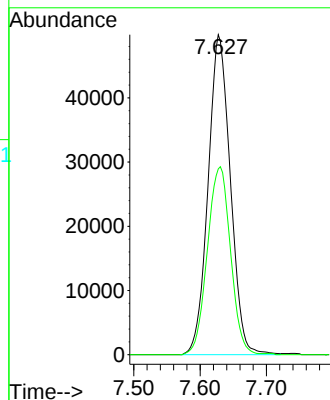
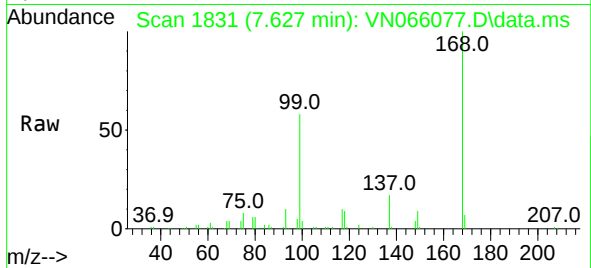
Acq: 1 Mar 2021 15:07

Tgt Ion:168 Resp: 116384

Ion Ratio Lower Upper

168 100

99 58.0 42.6 63.8



#3

Chloromethane

Concen: 0.46 ug/l

RT: 2.055 min Scan# 98

Delta R.T. 0.006 min

Lab File: VN066077.D

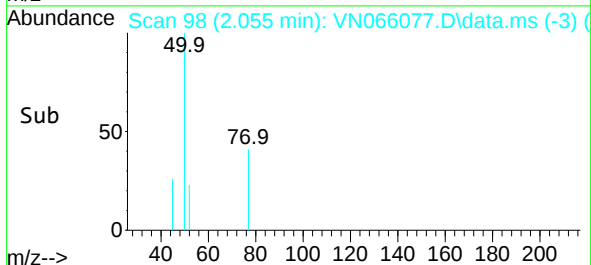
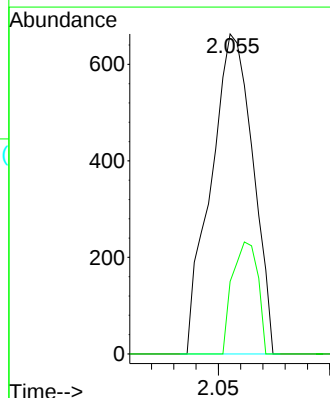
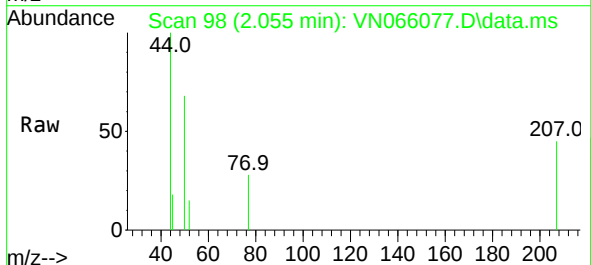
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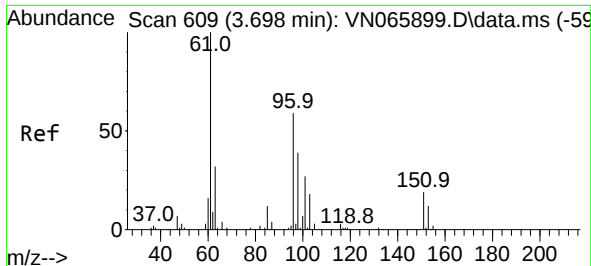
Tgt Ion: 50 Resp: 869

Ion Ratio Lower Upper

50 100

52 22.6 25.8 38.8#

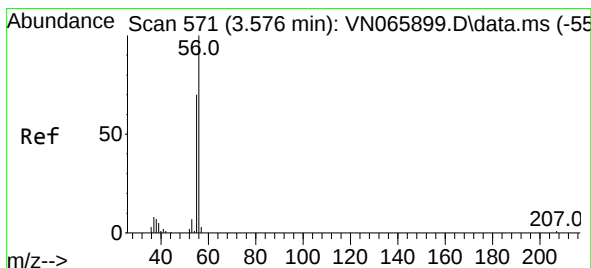
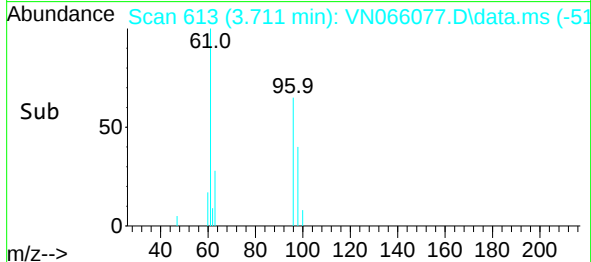
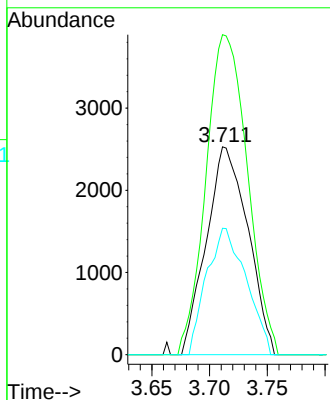
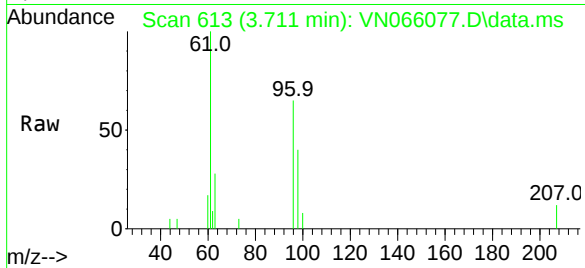




#12
1,1-Dichloroethene
Concen: 4.84 ug/l
RT: 3.711 min Scan# 613
Delta R.T. 0.013 min
Lab File: VN066077.D
Acq: 1 Mar 2021 15:07

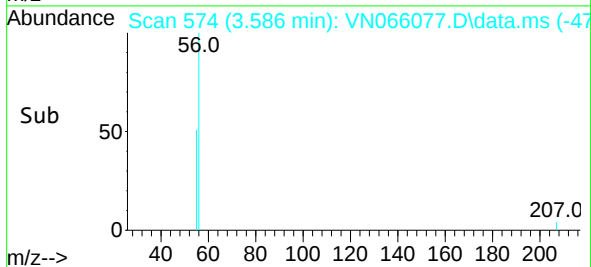
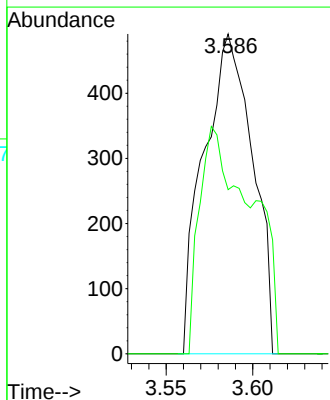
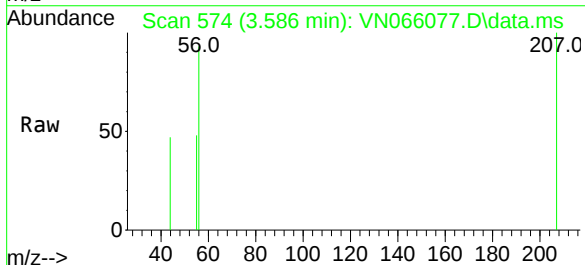
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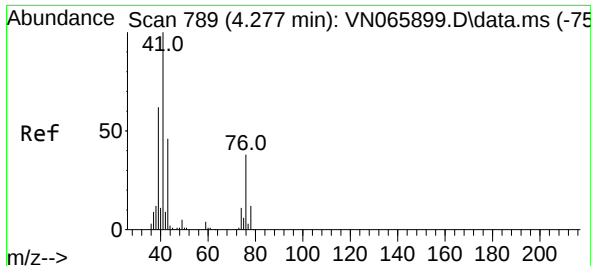
Tgt Ion: 96 Resp: 6326
Ion Ratio Lower Upper
96 100
61 154.0 122.5 183.7
98 60.9 50.8 76.2



#13
Acrolein
Concen: 4.66 ug/l
RT: 3.586 min Scan# 574
Delta R.T. 0.010 min
Lab File: VN066077.D
Acq: 1 Mar 2021 15:07

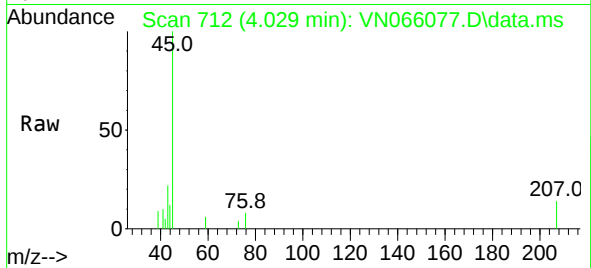
Tgt Ion: 56 Resp: 966
Ion Ratio Lower Upper
56 100
55 57.9 56.0 84.0



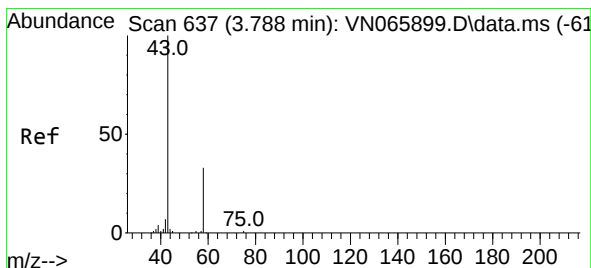
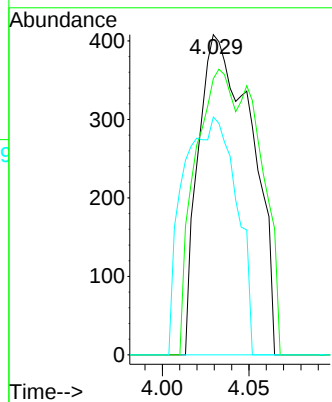
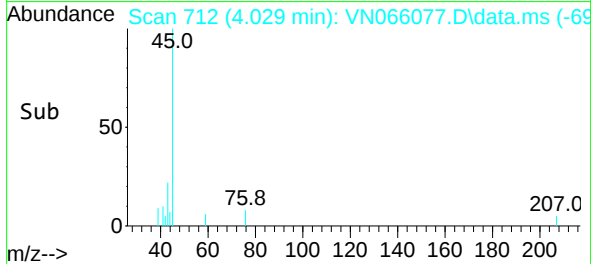


#14
 Allyl chloride
 Concen: 0.39 ug/l
 RT: 4.029 min Scan# 712
 Delta R.T. -0.248 min
 Lab File: VN066077.D
 Acq: 1 Mar 2021 15:07

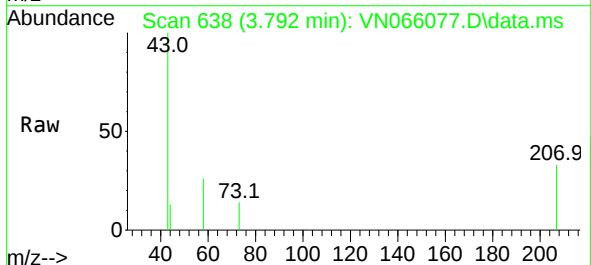
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 GW806-20-25-022621



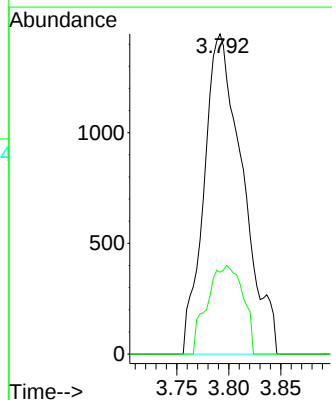
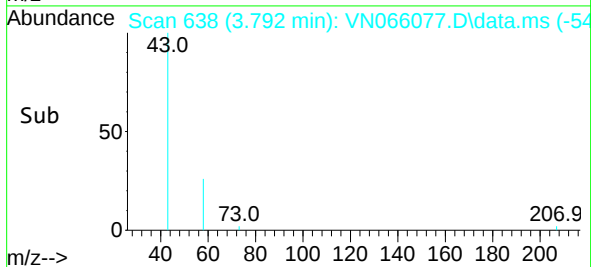
Tgt Ion: 41 Resp: 871
 Ion Ratio Lower Upper
 41 100
 39 65.8 53.0 79.4
 76 74.3 28.9 43.3#

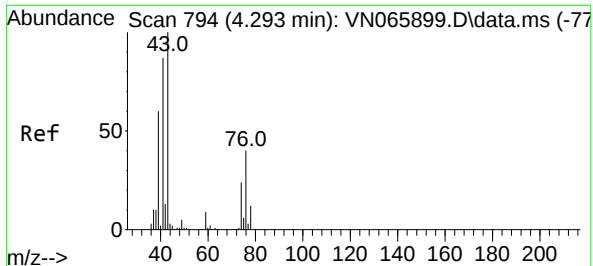


#16
 Acetone
 Concen: 5.73 ug/l
 RT: 3.792 min Scan# 638
 Delta R.T. 0.004 min
 Lab File: VN066077.D
 Acq: 1 Mar 2021 15:07



Tgt Ion: 43 Resp: 3733
 Ion Ratio Lower Upper
 43 100
 58 25.6 27.0 40.6#

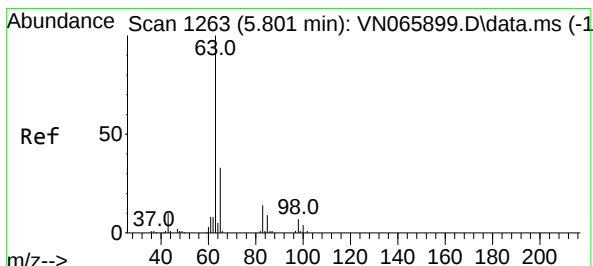
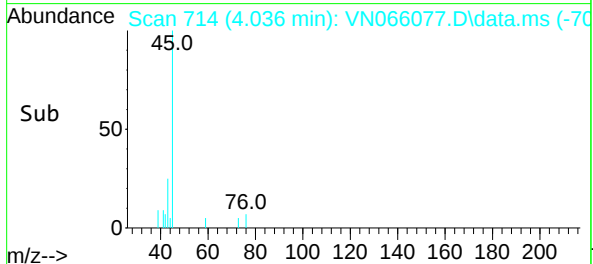
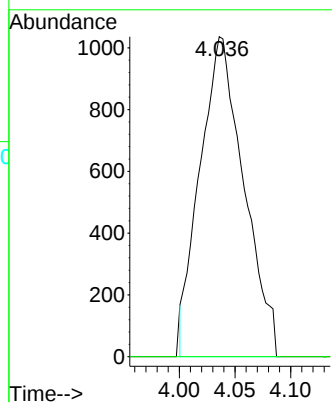
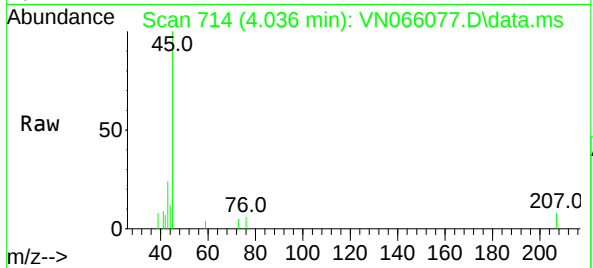




#18
Methyl Acetate
Concen: 2.11 ug/l
RT: 4.036 min Scan# 714
Delta R.T. -0.257 min
Lab File: VN066077.D
Acq: 1 Mar 2021 15:07

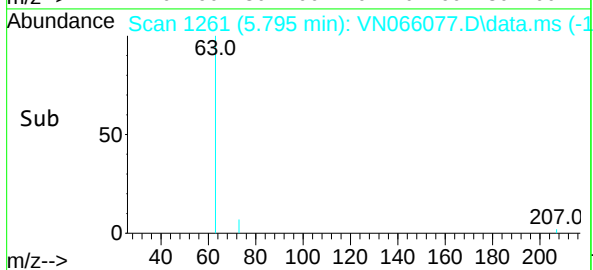
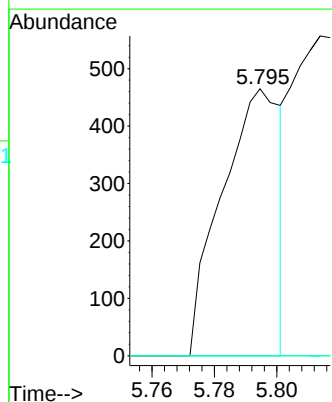
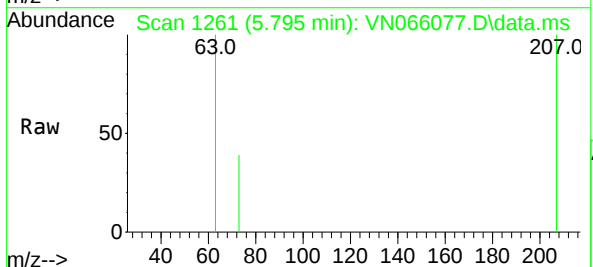
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GW806-20-25-022621

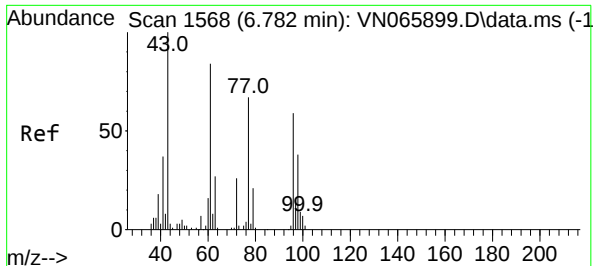
Tgt Ion: 43 Resp: 2834
Ion Ratio Lower Upper
43 100
74 0.0 19.5 29.3#



#24
1,1-Dichloroethane
Concen: 0.23 ug/l
RT: 5.795 min Scan# 1261
Delta R.T. -0.006 min
Lab File: VN066077.D
Acq: 1 Mar 2021 15:07

Tgt Ion: 63 Resp: 605
Ion Ratio Lower Upper
63 100
98 0.0 3.5 10.4#
100 0.0 2.3 6.9#



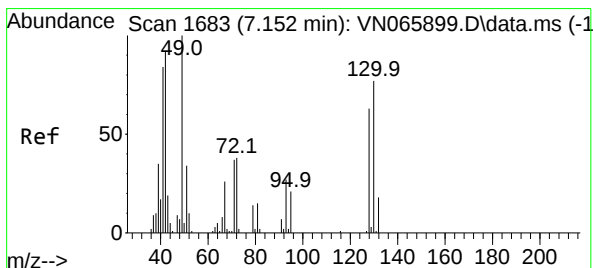
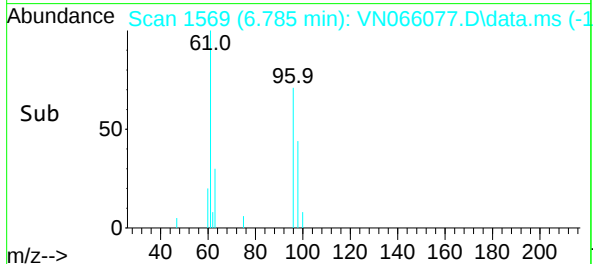
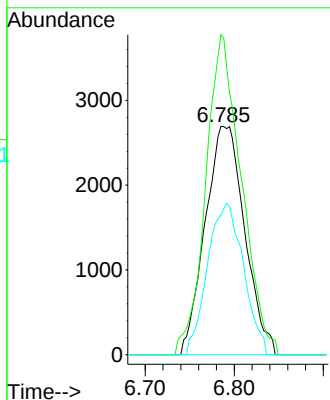
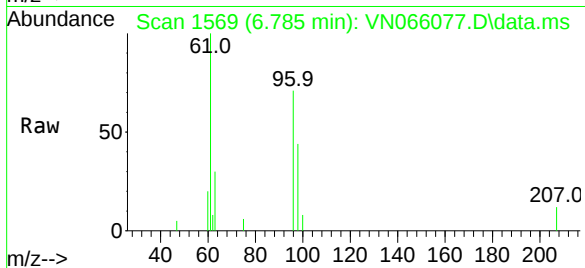


#27

cis-1,2-Dichloroethene
Concen: 5.31 ug/l
RT: 6.785 min Scan# 1569
Delta R.T. 0.003 min
Lab File: VN066077.D
Acq: 1 Mar 2021 15:07

Instrument :
MSVOA_N
ClientSampleId :
GW806-20-25-022621

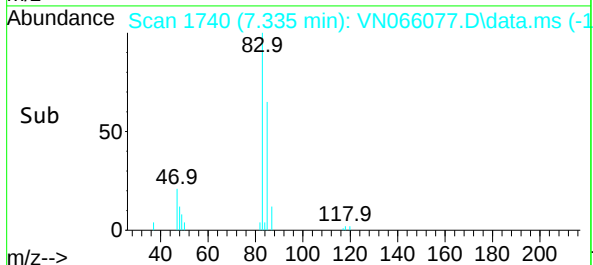
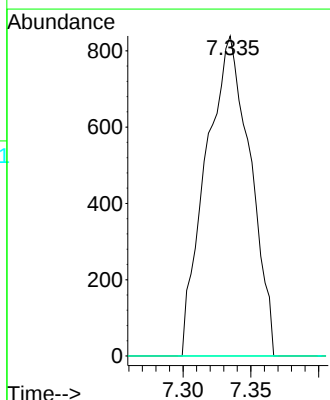
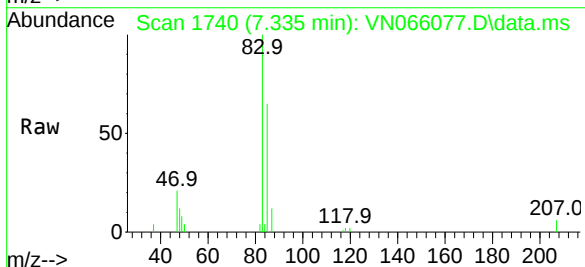
Tgt Ion: 96 Resp: 8310
Ion Ratio Lower Upper
96 100
61 126.0 0.0 276.8
98 60.2 0.0 129.4

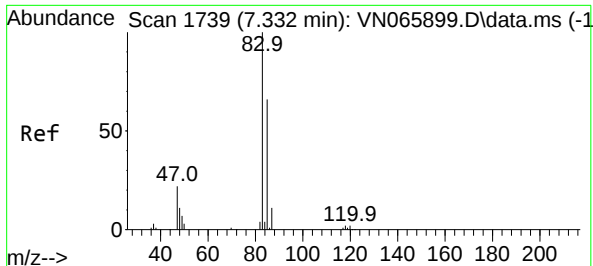


#28

Bromochloromethane
Concen: 1.60 ug/l
RT: 7.335 min Scan# 1740
Delta R.T. 0.183 min
Lab File: VN066077.D
Acq: 1 Mar 2021 15:07

Tgt Ion: 49 Resp: 1905
Ion Ratio Lower Upper
49 100
129 0.0 0.0 3.6
130 0.0 67.8 101.6#

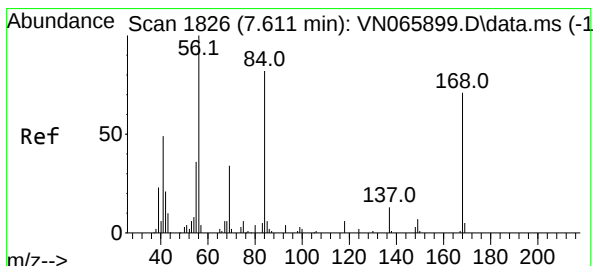
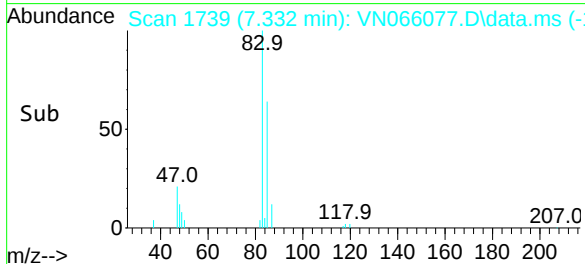
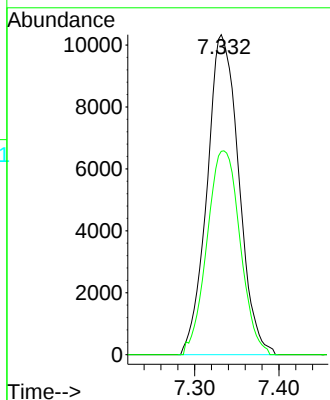
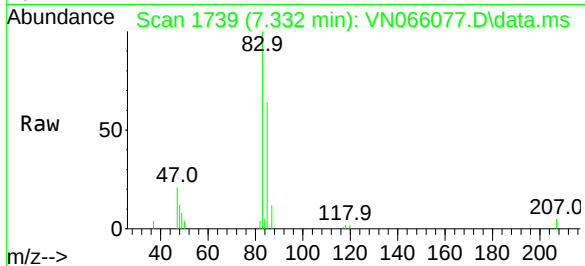




#30
Chloroform
Concen: 10.60 ug/l
RT: 7.332 min Scan# 1739
Delta R.T. -0.000 min
Lab File: VN066077.D
Acq: 1 Mar 2021 15:07

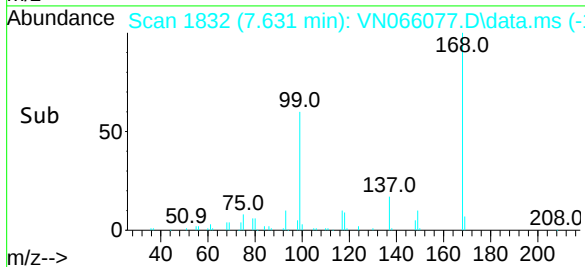
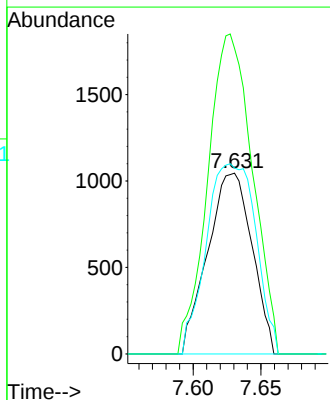
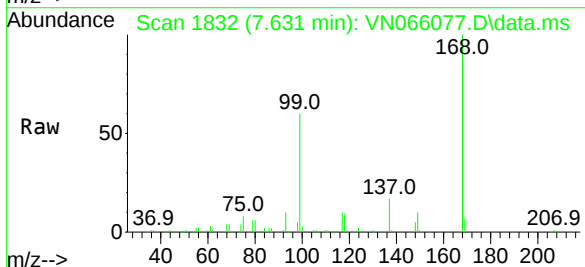
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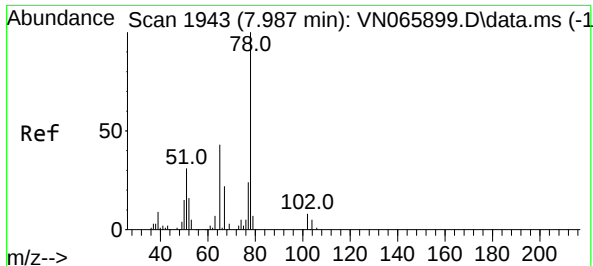
Tgt Ion: 83 Resp: 27013
Ion Ratio Lower Upper
83 100
85 63.5 52.6 78.8



#31
Cyclohexane
Concen: 0.98 ug/l
RT: 7.631 min Scan# 1832
Delta R.T. 0.020 min
Lab File: VN066077.D
Acq: 1 Mar 2021 15:07

Tgt Ion: 56 Resp: 2382
Ion Ratio Lower Upper
56 100
69 169.0 26.6 39.8#
84 102.8 70.4 105.6





#33

1,2-Dichloroethane-d4

Concen: 48.39 ug/l

RT: 7.987 min Scan# 1943

Delta R.T. 0.000 min

Lab File: VN066077.D

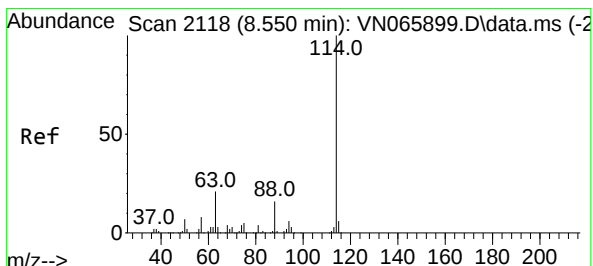
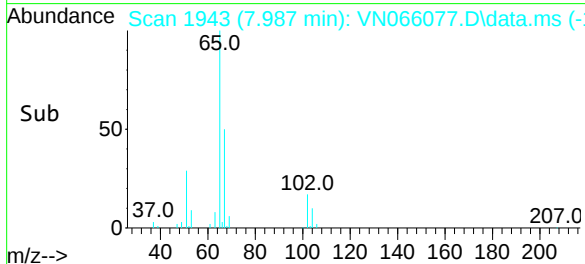
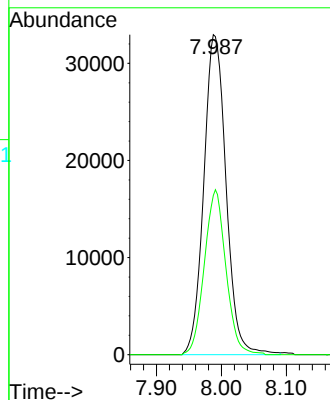
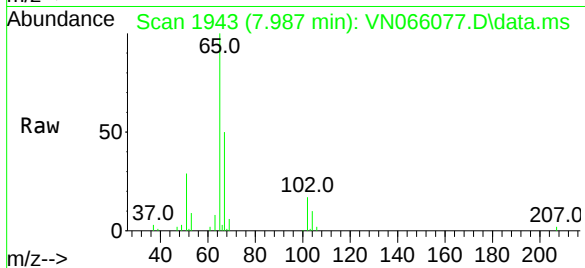
Acq: 1 Mar 2021 15:07

Tgt Ion: 65 Resp: 78757

Ion Ratio Lower Upper

65 100

67 49.8 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: VN066077.D

Acq: 1 Mar 2021 15:07

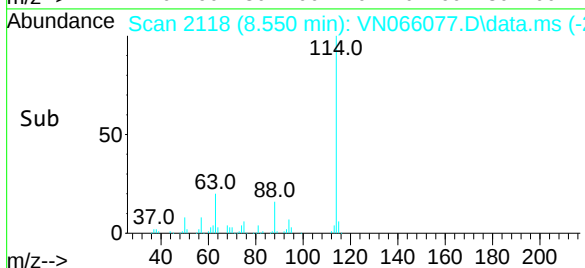
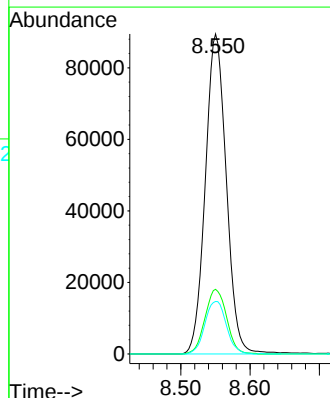
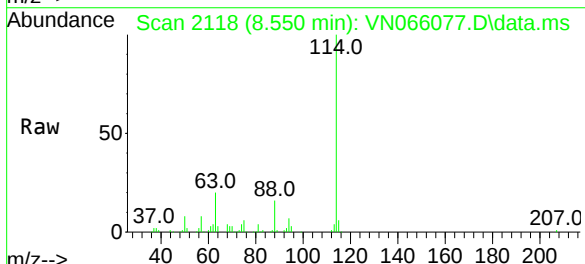
Tgt Ion: 114 Resp: 187826

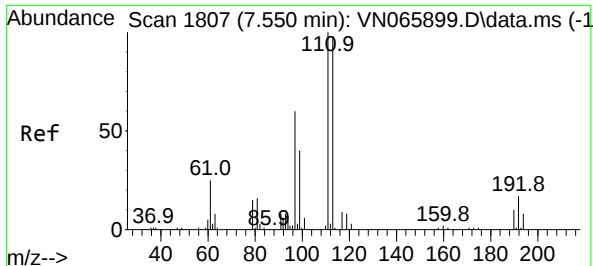
Ion Ratio Lower Upper

114 100

63 20.2 0.0 38.6

88 16.4 0.0 30.6





#35

Dibromofluoromethane

Concen: 48.62 ug/l

RT: 7.553 min Scan# 1808

Delta R.T. 0.003 min

Lab File: VN066077.D

Acq: 1 Mar 2021 15:07

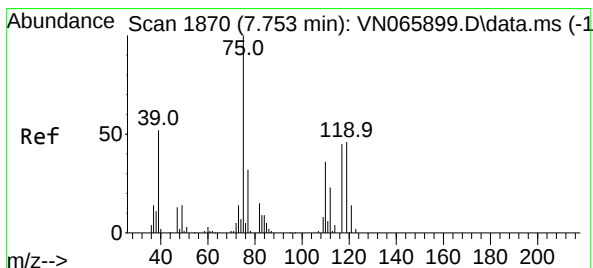
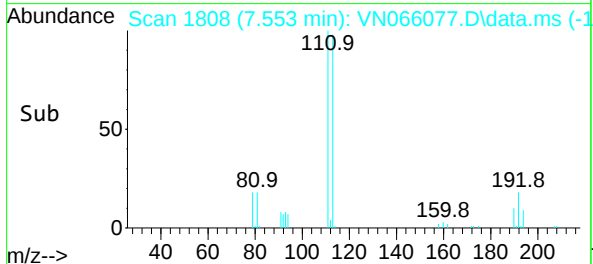
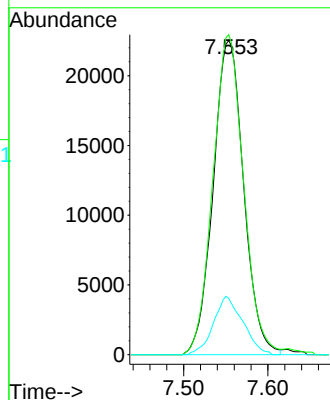
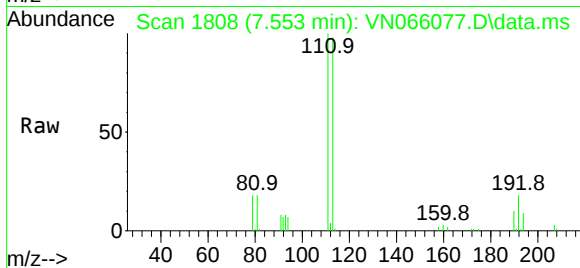
Tgt Ion:	113	Resp:	56515
Ion	Ratio	Lower	Upper
113	100		
111	102.3	82.2	123.2
192	17.9	15.4	23.0

Instrument :

MSVOA_N

ClientSampleId :

GW806-20-25-022621



#36

1,1-Dichloropropene

Concen: 4.80 ug/l

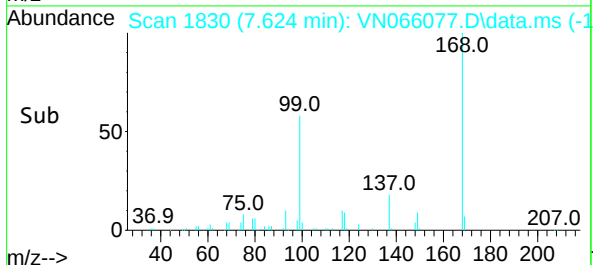
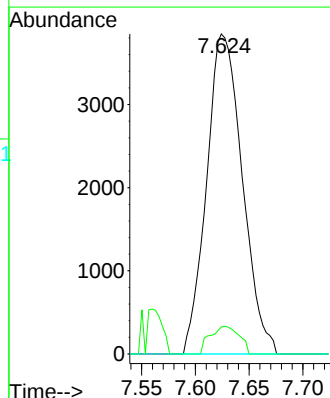
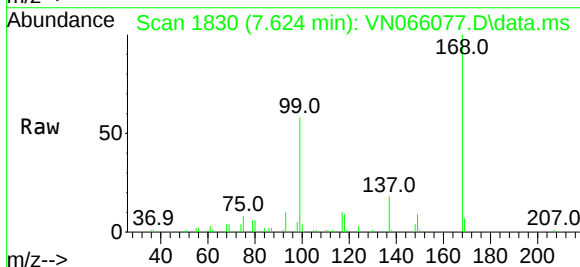
RT: 7.624 min Scan# 1830

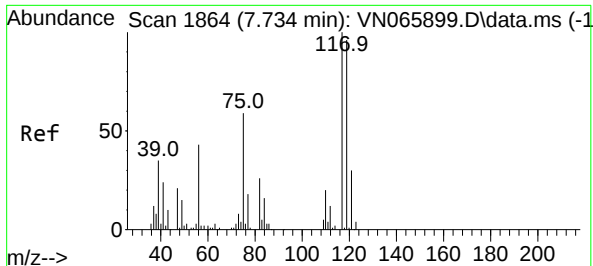
Delta R.T. -0.129 min

Lab File: VN066077.D

Acq: 1 Mar 2021 15:07

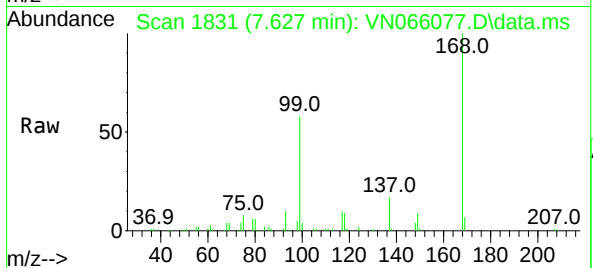
Tgt Ion:	75	Resp:	8891
Ion	Ratio	Lower	Upper
75	100		
110	7.1	18.2	54.6#
77	0.0	24.9	37.3#



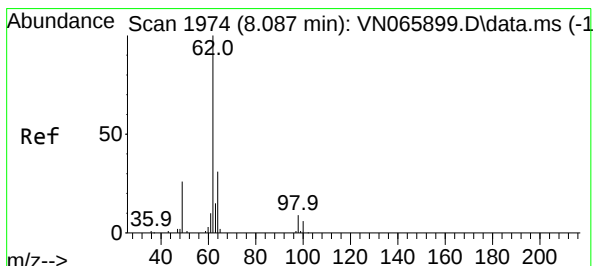
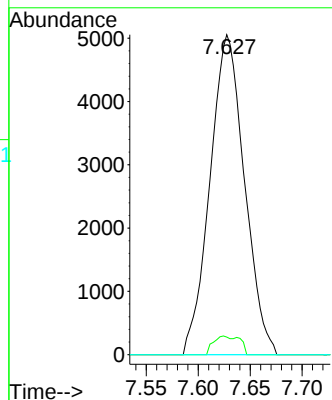
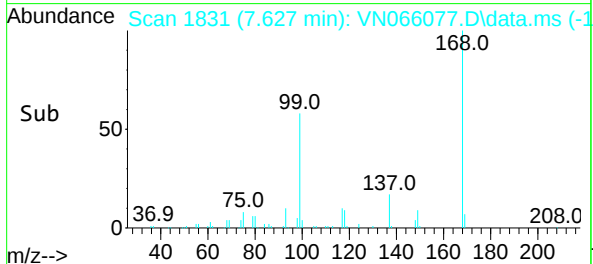


#38
Carbon Tetrachloride
Concen: 6.78 ug/l
RT: 7.627 min Scan# 1831
Delta R.T. -0.107 min
Lab File: VN066077.D
Acq: 1 Mar 2021 15:07

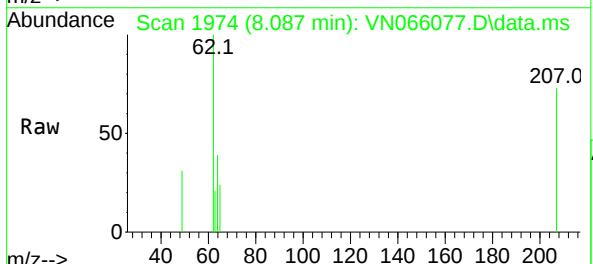
Instrument :
MSVOA_N
ClientSampleId :
GW806-20-25-022621



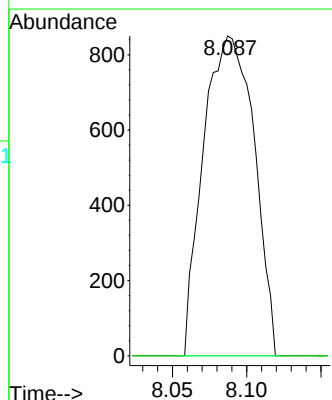
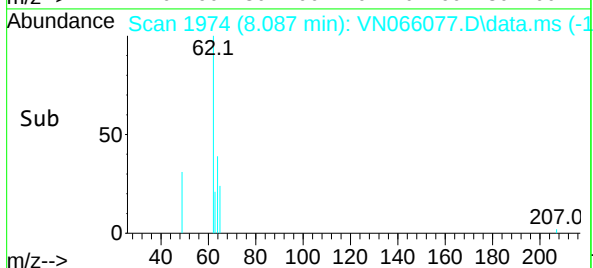
Tgt Ion:117 Resp: 11666
Ion Ratio Lower Upper
117 100
119 5.5 76.0 114.0#
121 0.0 24.5 36.7#

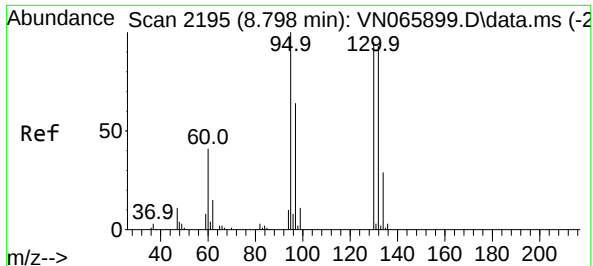


#42
1,2-Dichloroethane
Concen: 1.08 ug/l
RT: 8.087 min Scan# 1974
Delta R.T. 0.000 min
Lab File: VN066077.D
Acq: 1 Mar 2021 15:07



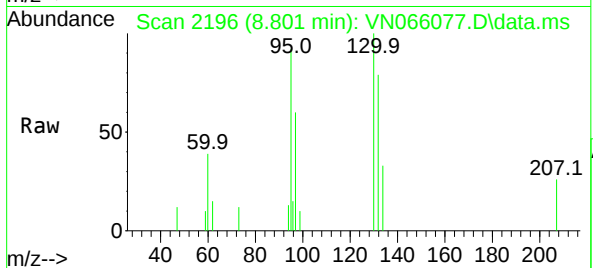
Tgt Ion: 62 Resp: 2016
Ion Ratio Lower Upper
62 100
98 0.0 0.0 18.6



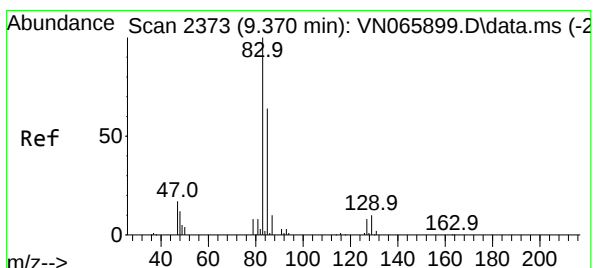
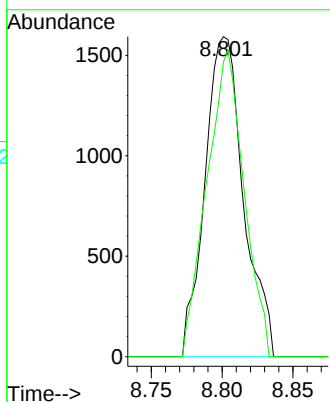
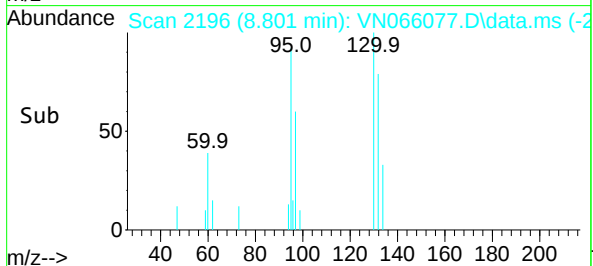


#44
Trichloroethene
Concen: 2.15 ug/l
RT: 8.801 min Scan# 2196
Delta R.T. 0.003 min
Lab File: VN066077.D
Acq: 1 Mar 2021 15:07

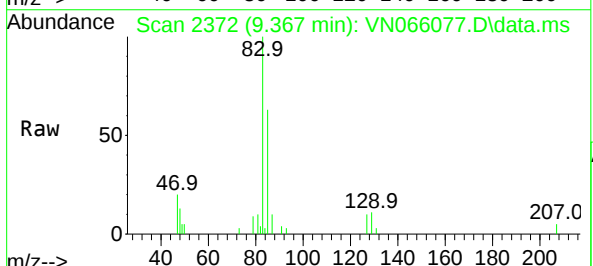
Instrument :
MSVOA_N
ClientSampleId :
GW806-20-25-022621



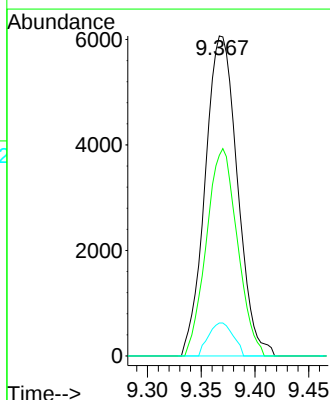
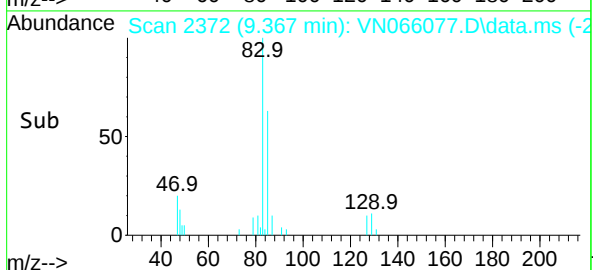
Tgt Ion:130 Resp: 3022
Ion Ratio Lower Upper
130 100
95 92.2 0.0 199.6

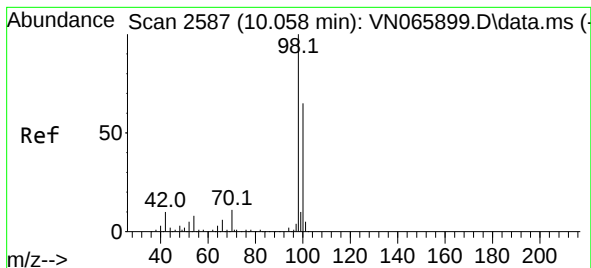


#47
Bromodichloromethane
Concen: 7.01 ug/l
RT: 9.367 min Scan# 2372
Delta R.T. -0.003 min
Lab File: VN066077.D
Acq: 1 Mar 2021 15:07



Tgt Ion: 83 Resp: 12659
Ion Ratio Lower Upper
83 100
85 62.7 51.0 76.4
127 10.3 7.0 10.6

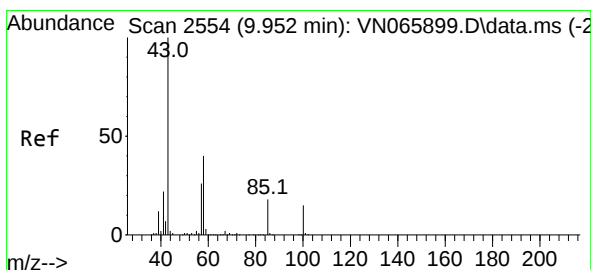
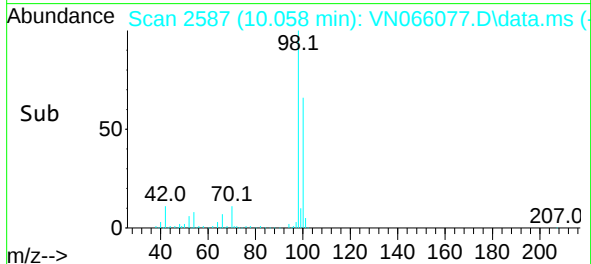
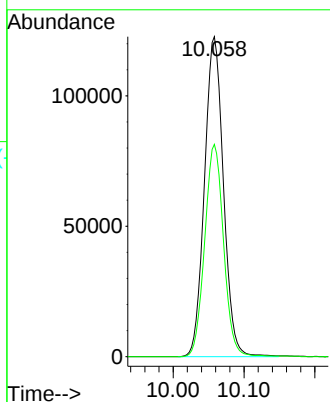
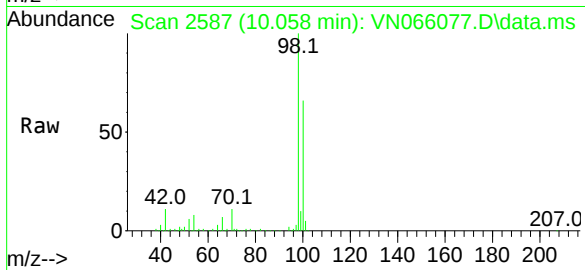




#50
Toluene-d8
Concen: 47.85 ug/l
RT: 10.058 min Scan# 2587
Delta R.T. 0.000 min
Lab File: VN066077.D
Acq: 1 Mar 2021 15:07

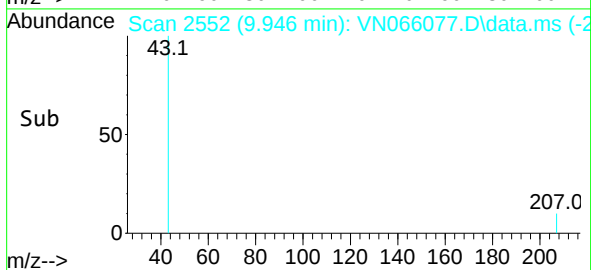
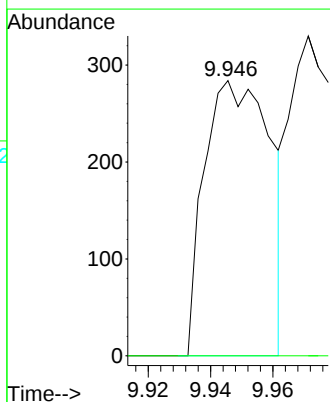
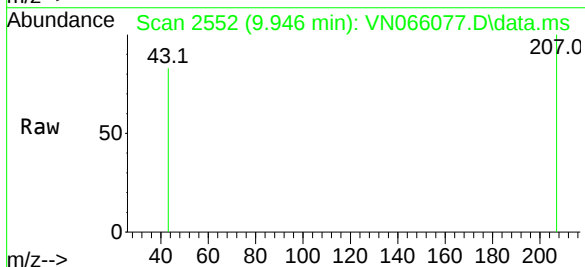
Instrument :
MSVOA_N
ClientSampleId :
GW806-20-25-022621

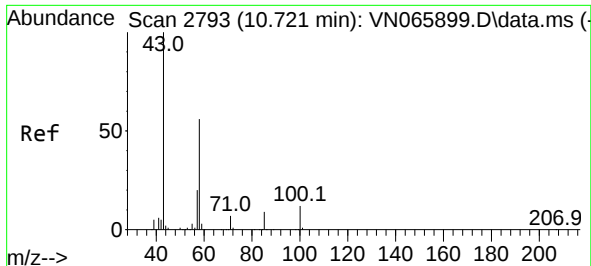
Tgt Ion: 98 Resp: 228302
Ion Ratio Lower Upper
98 100
100 66.0 50.5 75.7



#51
4-Methyl-2-Pentanone
Concen: 0.26 ug/l
RT: 9.946 min Scan# 2552
Delta R.T. -0.006 min
Lab File: VN066077.D
Acq: 1 Mar 2021 15:07

Tgt Ion: 43 Resp: 417
Ion Ratio Lower Upper
43 100
58 0.0 32.5 48.7#

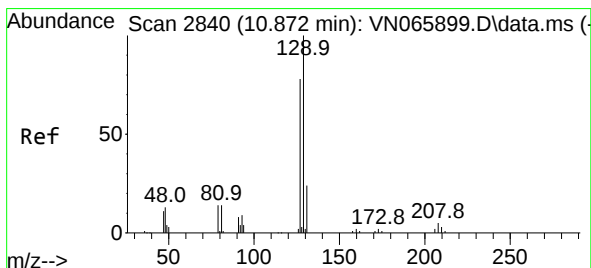
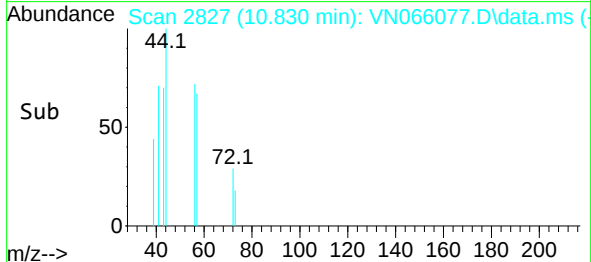
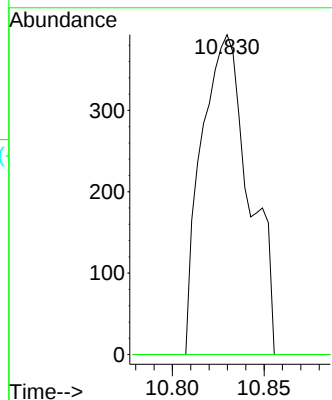
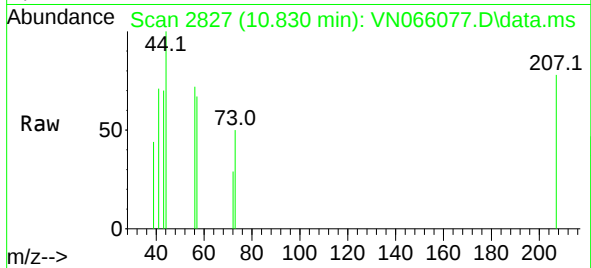




#59
2-Hexanone
Concen: 0.61 ug/l
RT: 10.830 min Scan# 2827
Delta R.T. 0.109 min
Lab File: VN066077.D
Acq: 1 Mar 2021 15:07

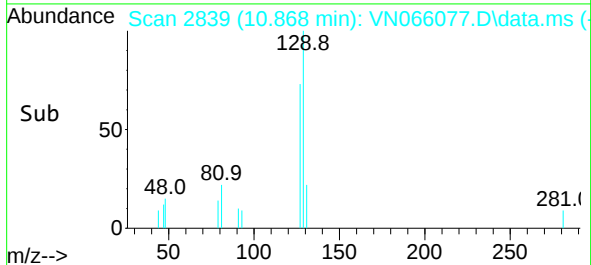
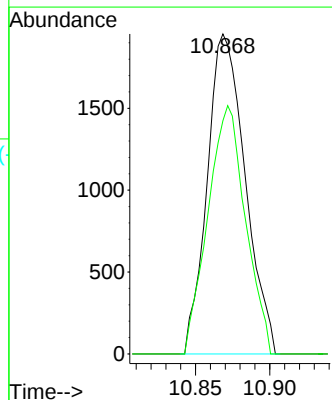
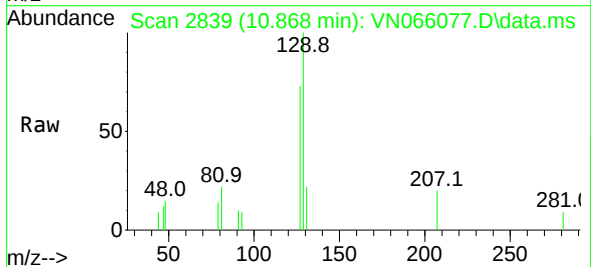
Instrument :
MSVOA_N
ClientSampleId :
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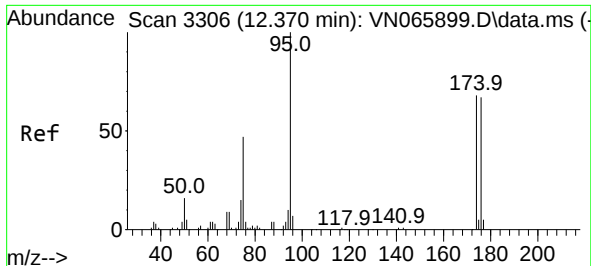
Tgt Ion: 43 Resp: 707
Ion Ratio Lower Upper
43 100
58 0.0 28.1 84.3#



#60
Dibromochloromethane
Concen: 2.60 ug/l
RT: 10.868 min Scan# 2839
Delta R.T. -0.004 min
Lab File: VN066077.D
Acq: 1 Mar 2021 15:07

Tgt Ion: 129 Resp: 3471
Ion Ratio Lower Upper
129 100
127 76.8 38.5 115.5

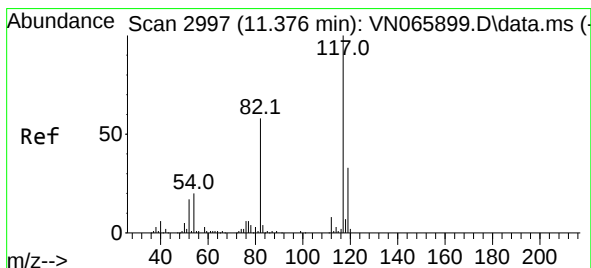
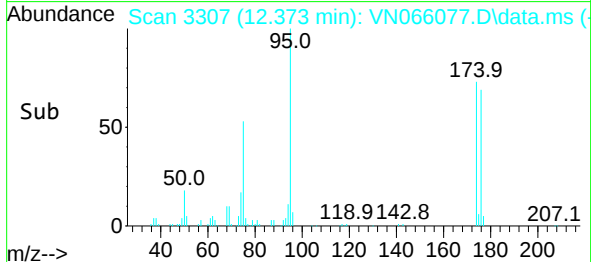
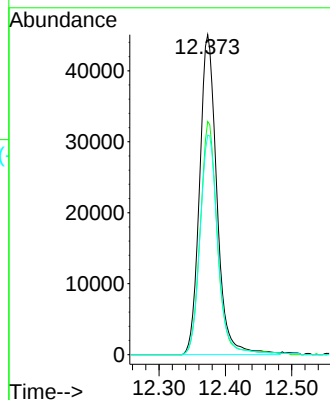
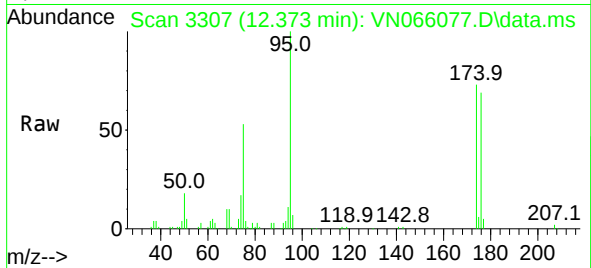




#62
4-Bromofluorobenzene
Concen: 45.63 ug/l
RT: 12.373 min Scan# 3307
Delta R.T. 0.003 min
Lab File: VN066077.D
Acq: 1 Mar 2021 15:07

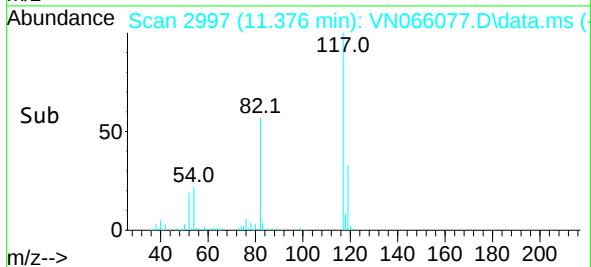
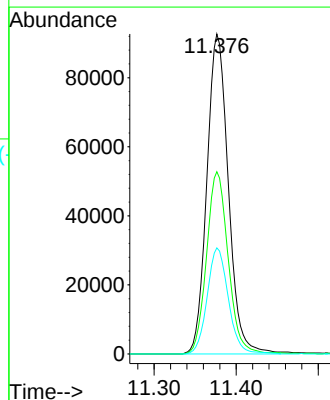
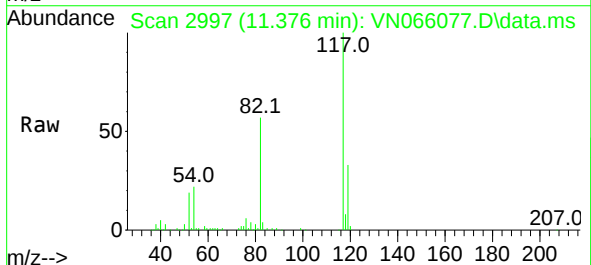
Instrument :
MSVOA_N
ClientSampleId :
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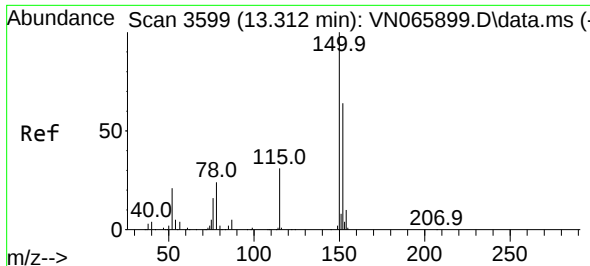
Tgt Ion: 95 Resp: 81739
Ion Ratio Lower Upper
95 100
174 71.8 0.0 169.0
176 70.5 0.0 162.4



#63
Chlorobenzene-d5
Concen: 50.00 ug/l
RT: 11.376 min Scan# 2997
Delta R.T. 0.000 min
Lab File: VN066077.D
Acq: 1 Mar 2021 15:07

Tgt Ion: 117 Resp: 168590
Ion Ratio Lower Upper
117 100
82 57.0 43.7 65.5
119 33.2 26.1 39.1

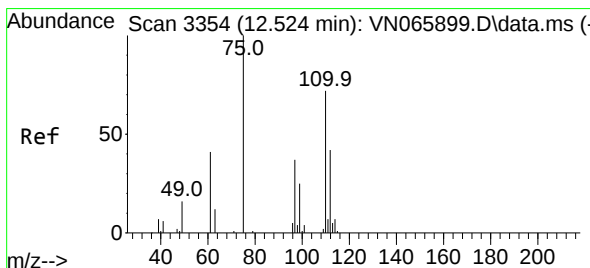
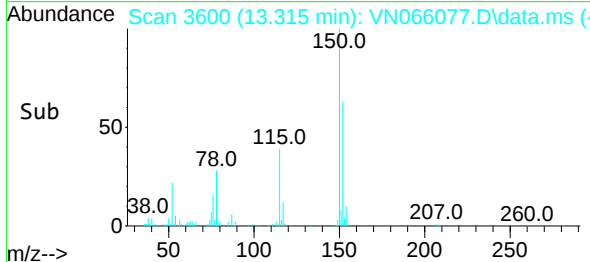
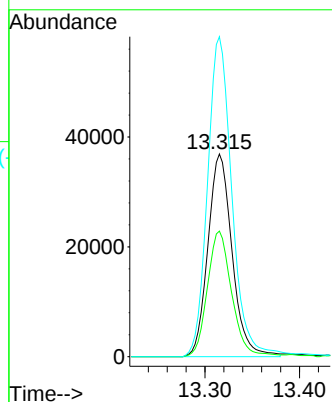
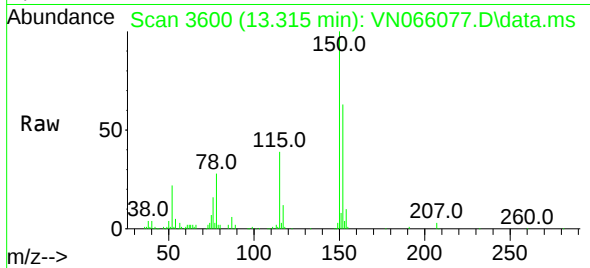




#72
1,4-Dichlorobenzene-d4
Concen: 50.00 ug/l
RT: 13.315 min Scan# 3600
Delta R.T. 0.003 min
Lab File: VN066077.D
Acq: 1 Mar 2021 15:07

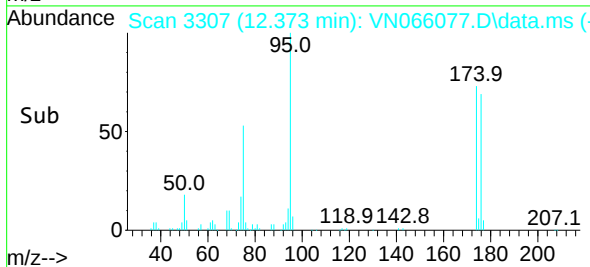
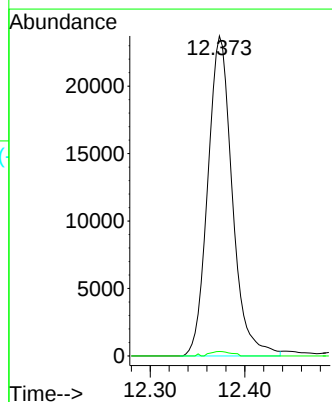
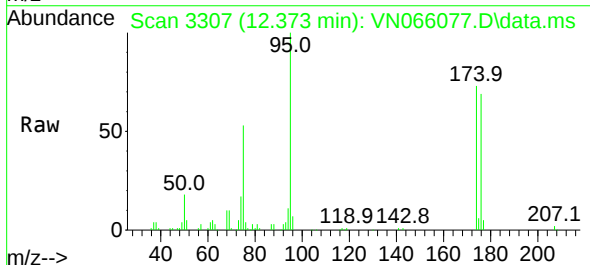
Instrument :
MSVOA_N
ClientSampleId :
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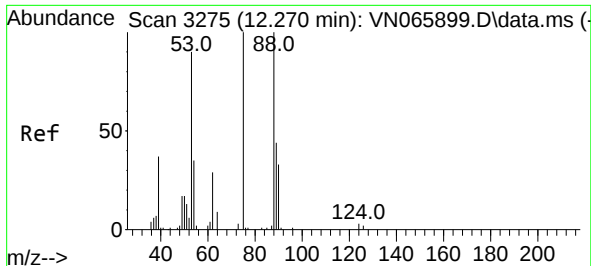
Tgt Ion:152 Resp: 65758
Ion Ratio Lower Upper
152 100
115 62.0 28.5 85.6
150 160.4 0.0 347.6



#76
1,2,3-Trichloropropane
Concen: 27.03 ug/l
RT: 12.373 min Scan# 3307
Delta R.T. -0.151 min
Lab File: VN066077.D
Acq: 1 Mar 2021 15:07

Tgt Ion: 75 Resp: 42696
Ion Ratio Lower Upper
75 100
77 1.2 0.0 0.0#

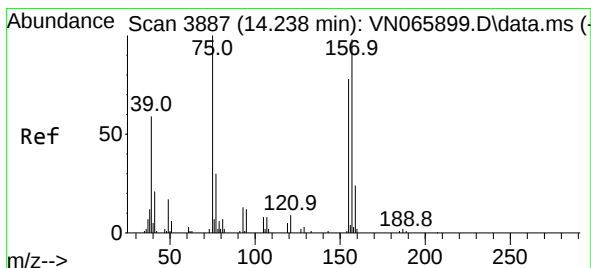
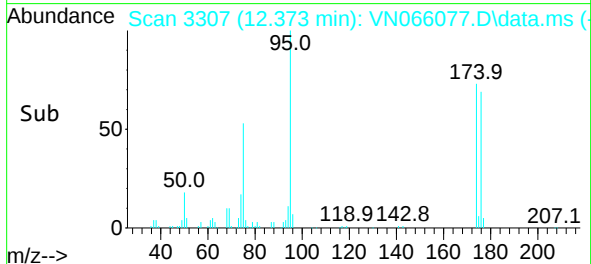
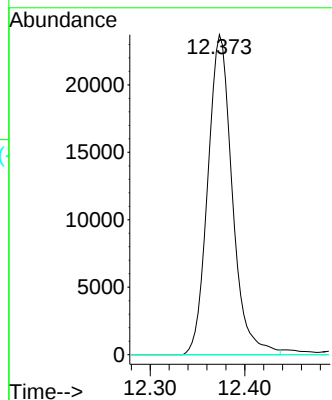
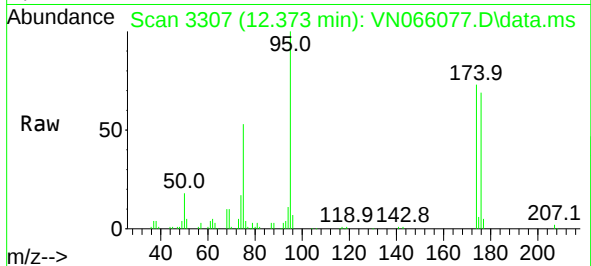




#81
trans-1,4-Dichloro-2-butene
Concen: 86.14 ug/l
RT: 12.373 min Scan# 3307
Delta R.T. 0.103 min
Lab File: VN066077.D
Acq: 1 Mar 2021 15:07

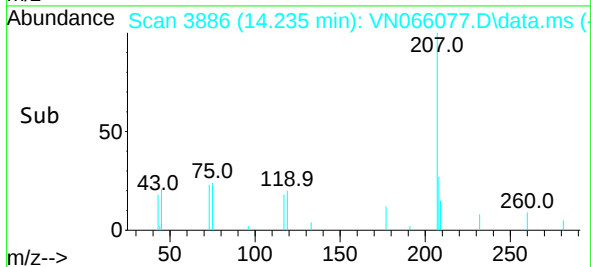
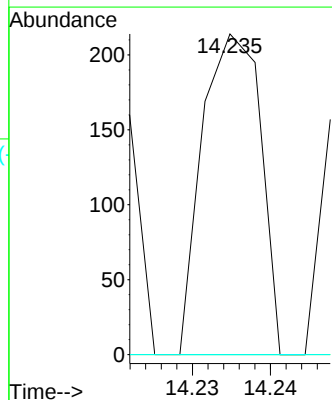
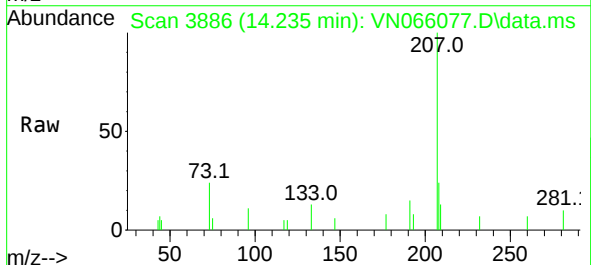
Instrument :
MSVOA_N
ClientSampleId :
GW806-20-25-022621

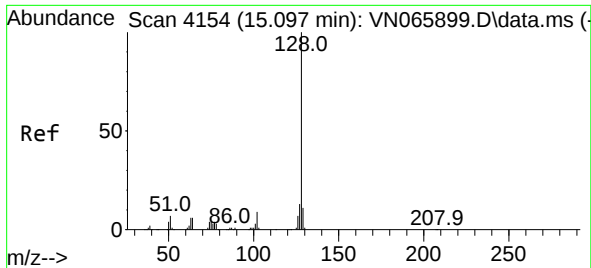
Tgt Ion: 75 Resp: 42696
Ion Ratio Lower Upper
75 100
53 0.0 74.6 111.8#
89 0.0 35.8 53.8#



#92
1,2-Dibromo-3-Chloropropane
Concen: 1.20 ug/l
RT: 14.235 min Scan# 3886
Delta R.T. -0.003 min
Lab File: VN066077.D
Acq: 1 Mar 2021 15:07

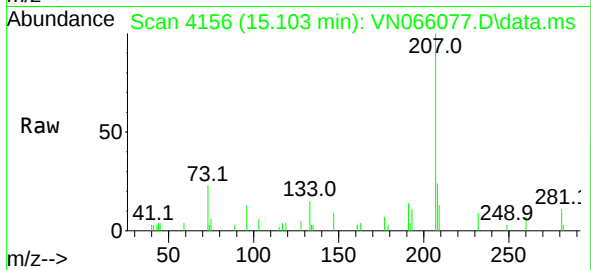
Tgt Ion: 75 Resp: 111
Ion Ratio Lower Upper
75 100
155 0.0 44.1 132.4#
157 0.0 56.0 168.2#





#95
Naphthalene
Concen: 3.15 ug/l
RT: 15.103 min Scan# 4156
Delta R.T. 0.006 min
Lab File: VN066077.D
Acq: 1 Mar 2021 15:07

Instrument :
MSVOA_N
ClientSampleId :
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Tgt Ion:128 Resp: 366
Ion Ratio Lower Upper
128 100
127 0.0 10.2 15.2#
129 0.0 8.6 13.0#

