

Data Path : Z:\voasrv\HPCHEM1\MSVOA_N\Data\VN021621\
 Data File : VN065881.D
 Acq On : 16 Feb 2021 18:32
 Operator : JC/MD
 Sample : M1413-02
 Misc : 5.00mL/MSVOA_N/WATER
 ALS Vial : 10 Sample Multiplier: 1

Instrument :
 MSVOA_N
 ClientSampleId :
 GWBR2-SC-93-021121-FD

Quant Time: Feb 16 18:48:44 2021
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA_N\methods\82N012521W.M
 Quant Title : SW846 8260
 QLast Update : Mon Feb 15 10:57:01 2021
 Response via : Initial Calibration

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

Internal Standards						
1) Pentafluorobenzene	7.624	168	163413	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	8.550	114	273579	50.00	ug/l	0.00
63) Chlorobenzene-d5	11.376	117	245931	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.315	152	93717	50.00	ug/l	0.00

System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	7.987	65	90055	41.89	ug/l	0.00
Spiked Amount	50.000	Range	61 - 141	Recovery	=	83.78%
35) Dibromofluoromethane	7.550	113	80582	49.71	ug/l	0.00
Spiked Amount	50.000	Range	69 - 133	Recovery	=	99.42%
50) Toluene-d8	10.058	98	340807	53.48	ug/l	0.00
Spiked Amount	50.000	Range	65 - 126	Recovery	=	106.96%
62) 4-Bromofluorobenzene	12.373	95	112073	48.84	ug/l	0.00
Spiked Amount	50.000	Range	58 - 135	Recovery	=	97.68%

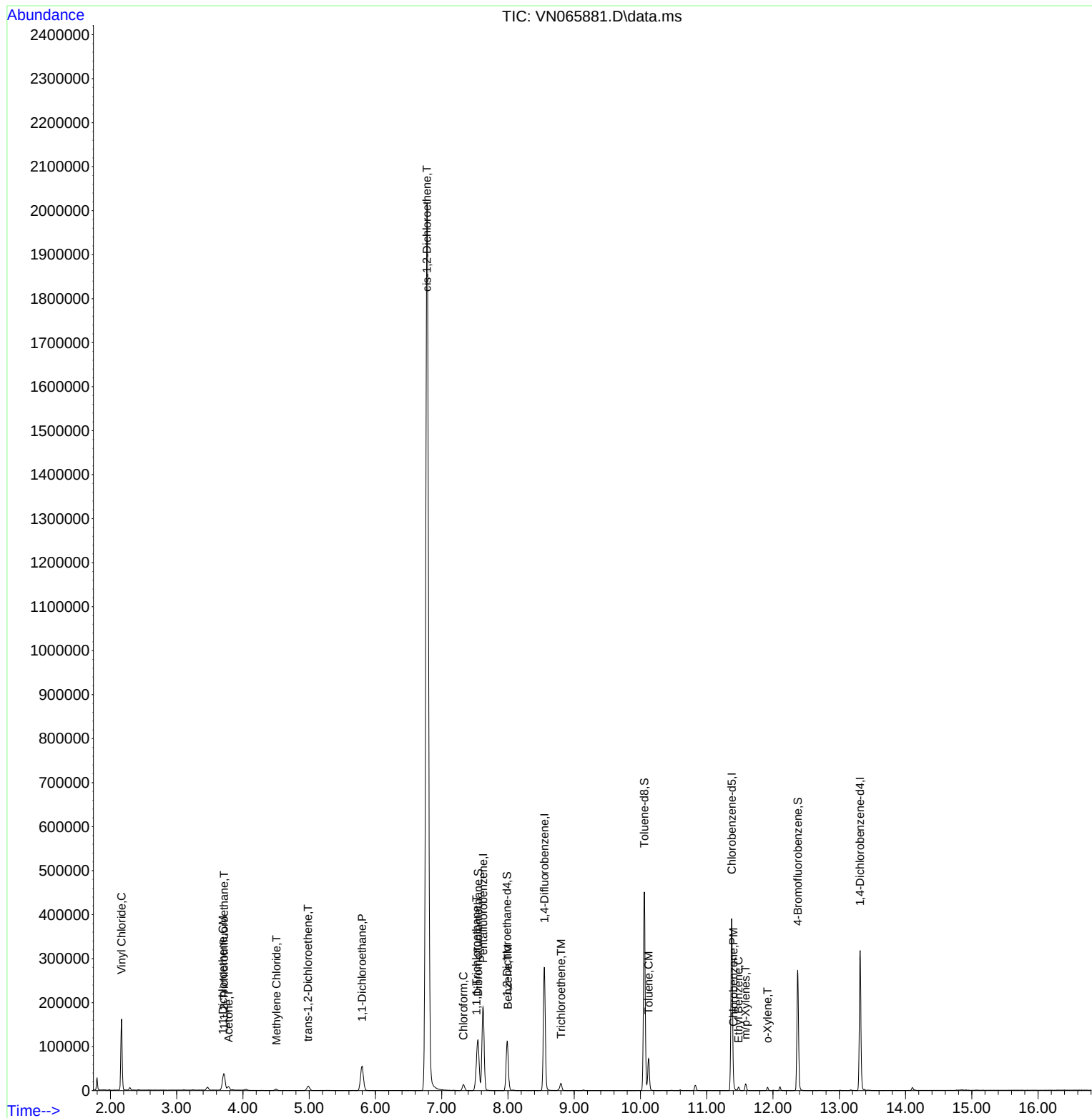
Target Compounds						Qvalue
4) Vinyl Chloride	2.168	62	146287	53.71	ug/l	99
9) 1,1,2-Trichlorotrifluo...	3.714	101	22939	13.27	ug/l	97
12) 1,1-Dichloroethene	3.695	96	3115	1.57	ug/l	96
16) Acetone	3.782	43	13266	15.85	ug/l	89
20) Methylene Chloride	4.505	84	2650	1.14	ug/l #	83
21) trans-1,2-Dichloroethene	4.981	96	7468	3.53	ug/l	95
24) 1,1-Dichloroethane	5.798	63	90255	22.46	ug/l	99
27) cis-1,2-Dichloroethene	6.778	96	1476601	609.53	ug/l	91
30) Chloroform	7.328	83	15578	4.21	ug/l	96
32) 1,1,1-Trichloroethane	7.524	97	34500	11.45	ug/l	99
40) Benzene	8.000	78	9915	1.18	ug/l	99
44) Trichloroethene	8.801	130	6365	3.12	ug/l	98
52) Toluene	10.122	92	33882	6.80	ug/l	95
65) Chlorobenzene	11.402	112	3009	0.58	ug/l	97
67) Ethyl Benzene	11.479	91	6429	0.67	ug/l	96
68) m/p-Xylenes	11.589	106	5493	1.57	ug/l	93
69) o-Xylene	11.920	106	2270	0.67	ug/l	95

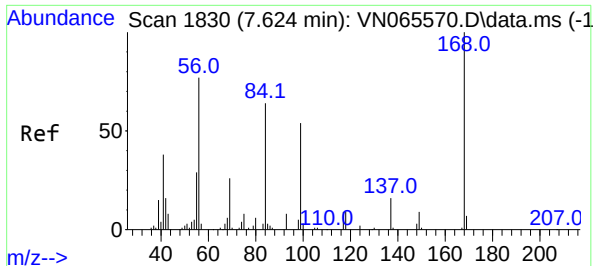
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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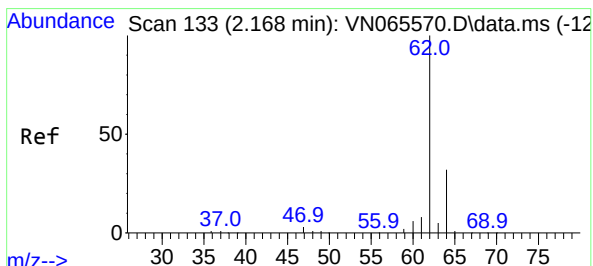
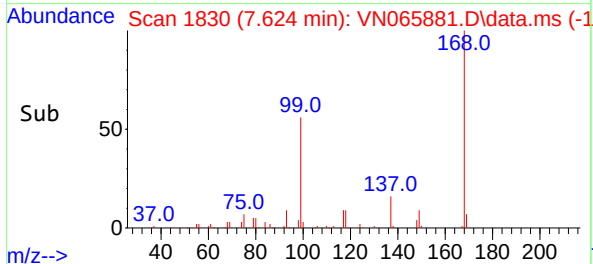
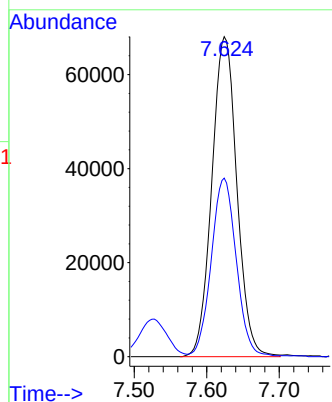
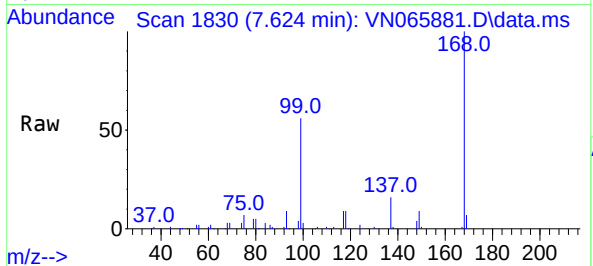




#1
Pentafluorobenzene
Concen: 50.00 ug/l
RT: 7.624 min Scan# 1830
Delta R.T. 0.000 min
Lab File: VN065881.D
Acq: 16 Feb 2021 18:32

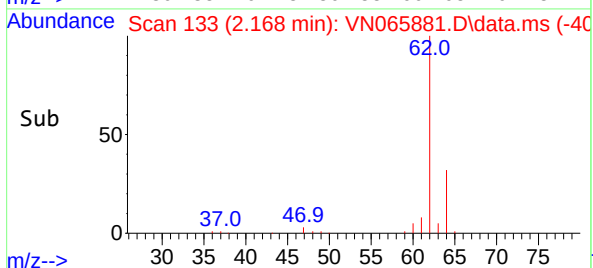
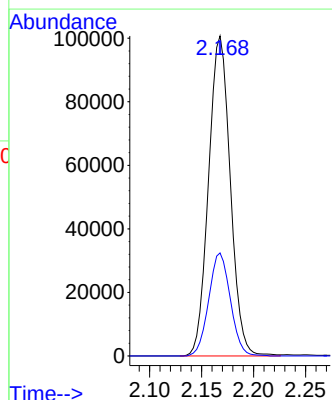
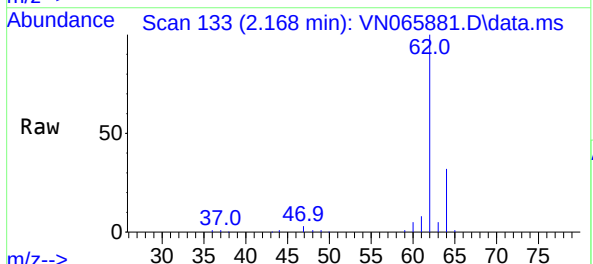
Instrument :
MSVOA_N
ClientSampleId :
GWBR2-SC-93-021121-FD

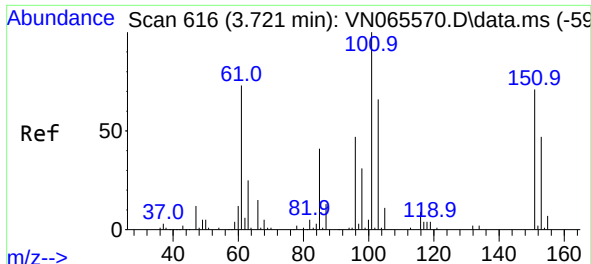
Tgt Ion:168 Resp: 163413
Ion Ratio Lower Upper
168 100
99 55.5 42.6 63.8



#4
Vinyl Chloride
Concen: 53.71 ug/l
RT: 2.168 min Scan# 133
Delta R.T. -0.000 min
Lab File: VN065881.D
Acq: 16 Feb 2021 18:32

Tgt Ion: 62 Resp: 146287
Ion Ratio Lower Upper
62 100
64 32.2 25.1 37.7

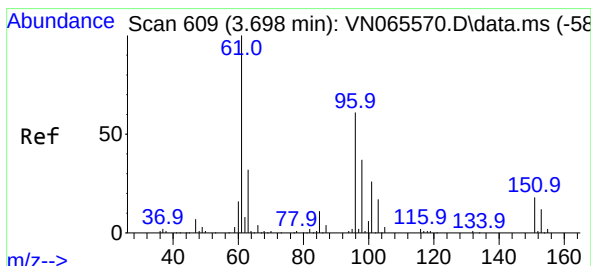
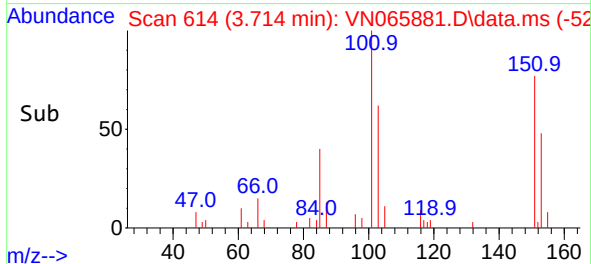
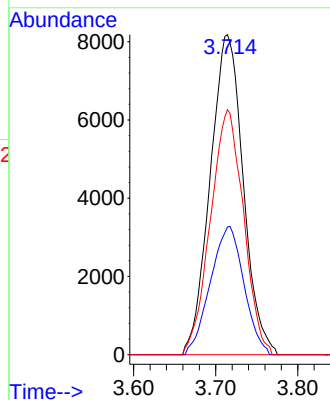
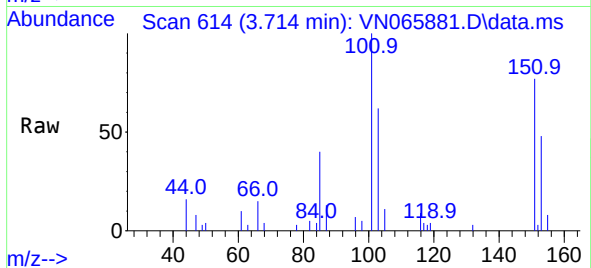




#9
1,1,2-Trichlorotrifluoroethane
Concen: 13.27 ug/l
RT: 3.714 min Scan# 614
Delta R.T. -0.007 min
Lab File: VN065881.D
Acq: 16 Feb 2021 18:32

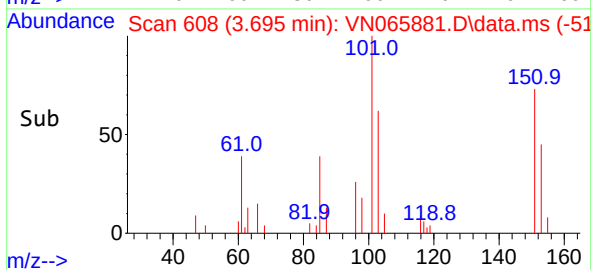
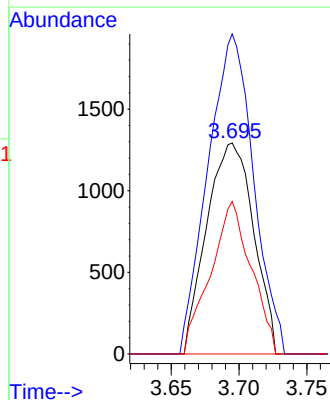
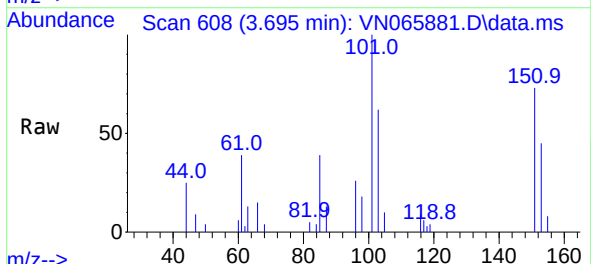
Instrument :
MSVOA_N
ClientSampleId :
GWBR2-SC-93-021121-FD

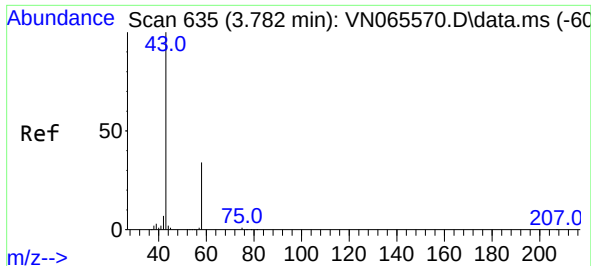
Tgt Ion:101 Resp: 22939
Ion Ratio Lower Upper
101 100
85 40.7 34.6 51.8
151 76.5 63.5 95.3



#12
1,1-Dichloroethene
Concen: 1.57 ug/l
RT: 3.695 min Scan# 608
Delta R.T. -0.003 min
Lab File: VN065881.D
Acq: 16 Feb 2021 18:32

Tgt Ion: 96 Resp: 3115
Ion Ratio Lower Upper
96 100
61 151.7 122.5 183.7
98 72.2 50.8 76.2

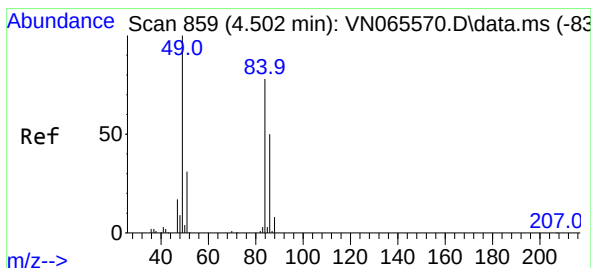
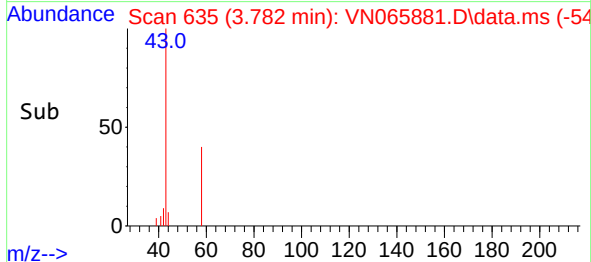
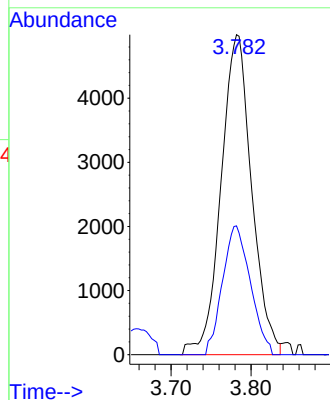
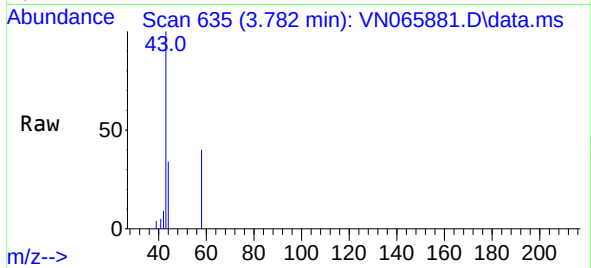




#16
Acetone
Concen: 15.85 ug/l
RT: 3.782 min Scan# 635
Delta R.T. -0.000 min
Lab File: VN065881.D
Acq: 16 Feb 2021 18:32

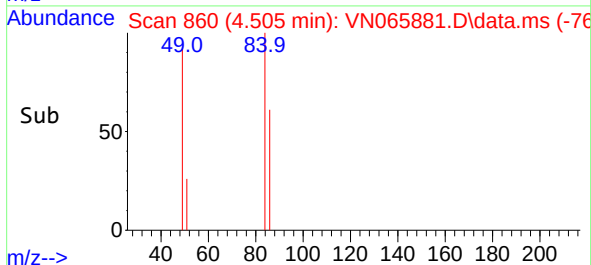
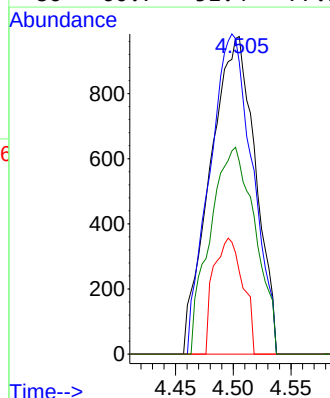
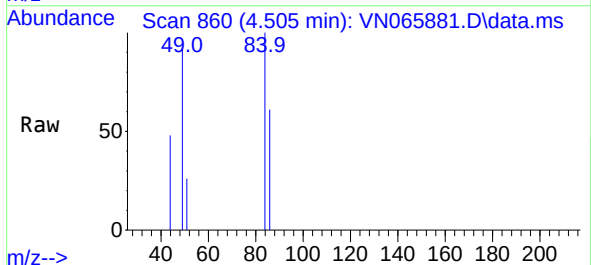
Instrument :
MSVOA_N
ClientSampleId :
GWBR2-SC-93-021121-FD

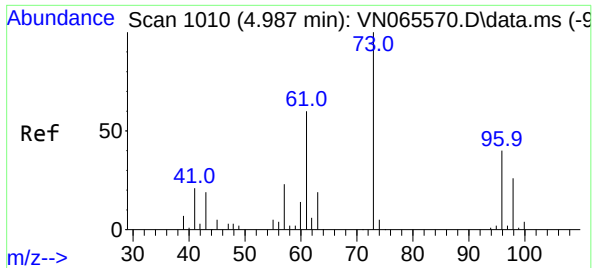
Tgt Ion: 43 Resp: 13266
Ion Ratio Lower Upper
43 100
58 40.3 27.0 40.6



#20
Methylene Chloride
Concen: 1.14 ug/l
RT: 4.505 min Scan# 860
Delta R.T. 0.003 min
Lab File: VN065881.D
Acq: 16 Feb 2021 18:32

Tgt Ion: 84 Resp: 2650
Ion Ratio Lower Upper
84 100
49 92.0 94.6 141.8#
51 26.1 29.9 44.9#
86 60.7 51.4 77.2

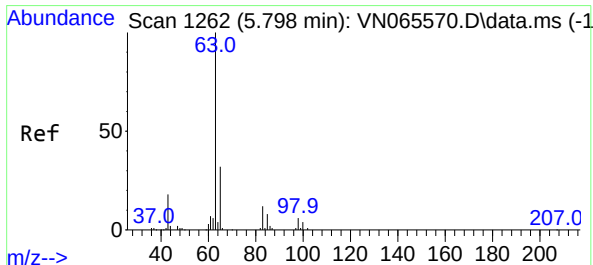
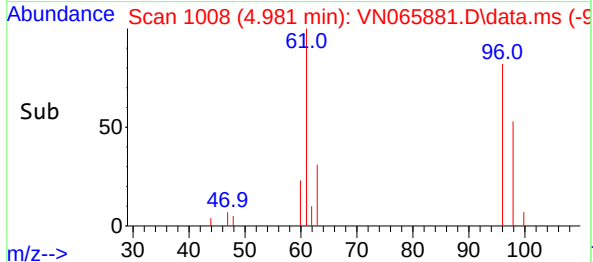
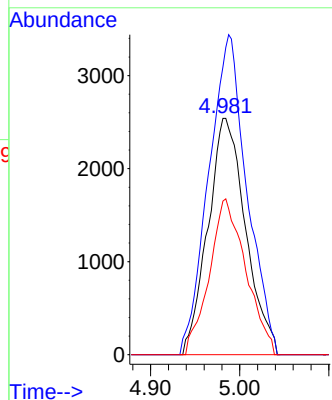
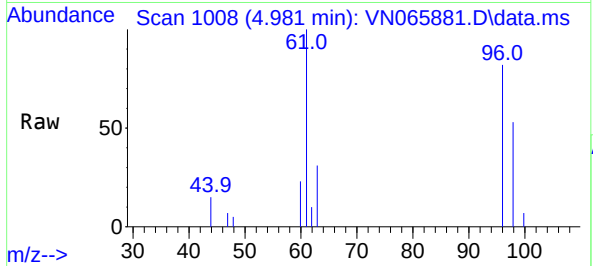




#21
trans-1,2-Dichloroethene
Concen: 3.53 ug/l
RT: 4.981 min Scan# 1008
Delta R.T. -0.006 min
Lab File: VN065881.D
Acq: 16 Feb 2021 18:32

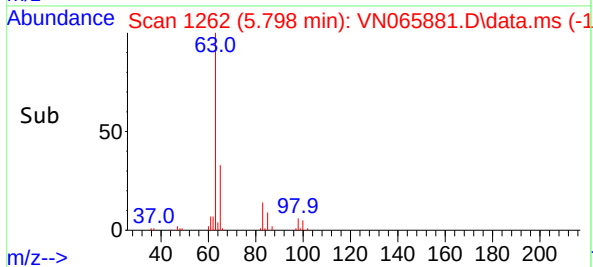
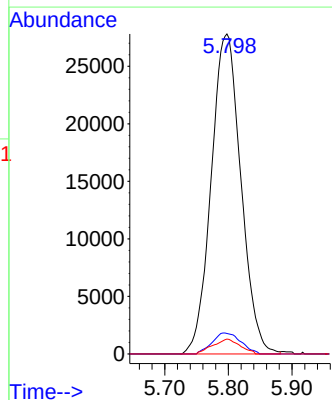
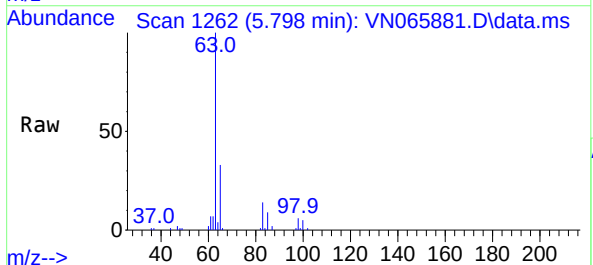
Instrument :
MSVOA_N
ClientSampleId :
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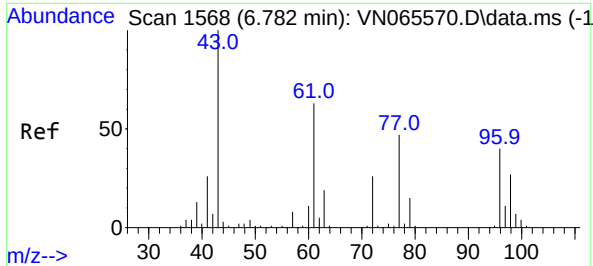
Tgt Ion: 96 Resp: 7468
Ion Ratio Lower Upper
96 100
61 121.7 104.9 157.3
98 65.0 51.8 77.8



#24
1,1-Dichloroethane
Concen: 22.46 ug/l
RT: 5.798 min Scan# 1262
Delta R.T. -0.000 min
Lab File: VN065881.D
Acq: 16 Feb 2021 18:32

Tgt Ion: 63 Resp: 90255
Ion Ratio Lower Upper
63 100
98 6.4 3.5 10.4
100 4.7 2.3 6.9



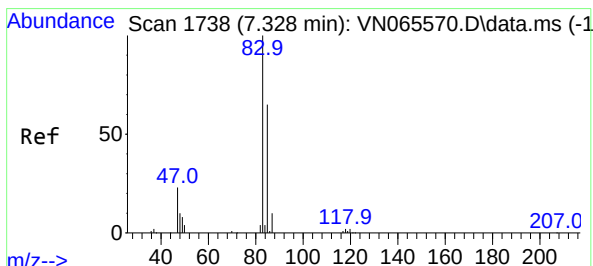
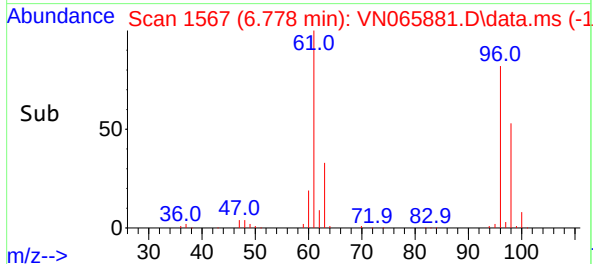
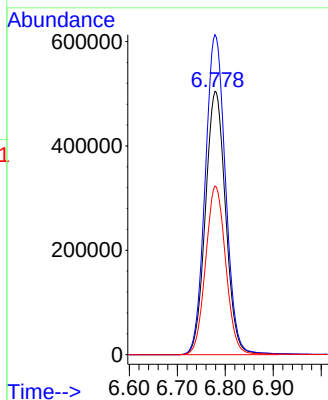
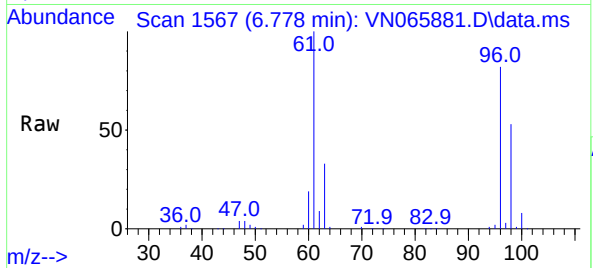


#27
 cis-1,2-Dichloroethene
 Concen: 609.53 ug/l
 RT: 6.778 min Scan# 1567
 Delta R.T. -0.004 min
 Lab File: VN065881.D
 Acq: 16 Feb 2021 18:32

Instrument :
 MSVOA_N
 ClientSampleId :
 GWBR2-SC-93-021121-FD

Tgt Ion: 96 Resp: 1476601

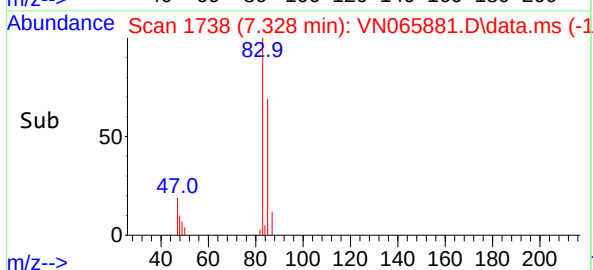
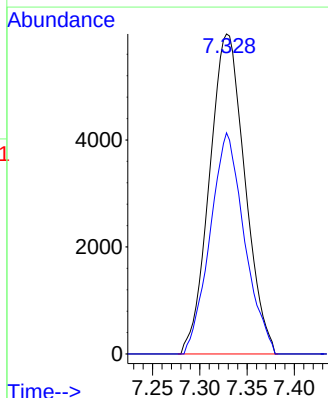
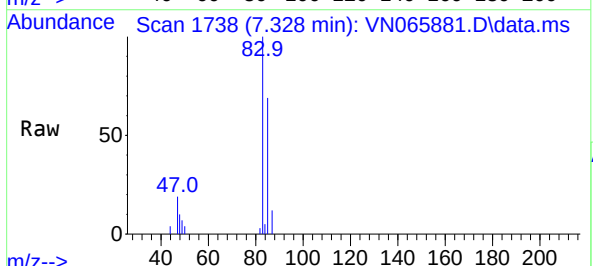
Ion	Ratio	Lower	Upper
96	100		
61	122.5	0.0	276.8
98	63.9	0.0	129.4

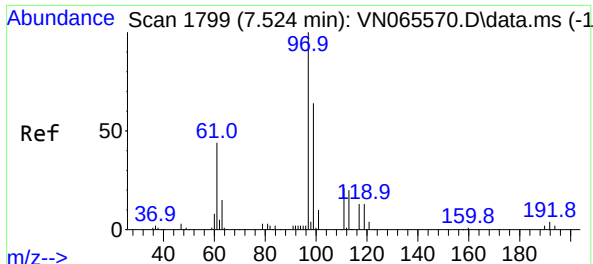


#30
 Chloroform
 Concen: 4.21 ug/l
 RT: 7.328 min Scan# 1738
 Delta R.T. 0.000 min
 Lab File: VN065881.D
 Acq: 16 Feb 2021 18:32

Tgt Ion: 83 Resp: 15578

Ion	Ratio	Lower	Upper
83	100		
85	69.1	52.6	78.8

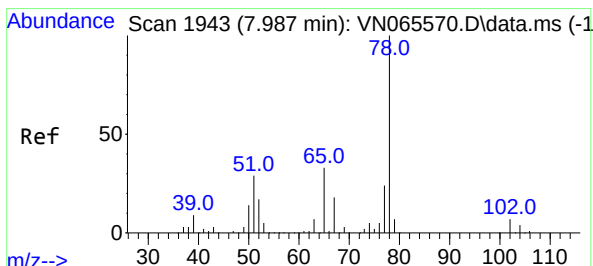
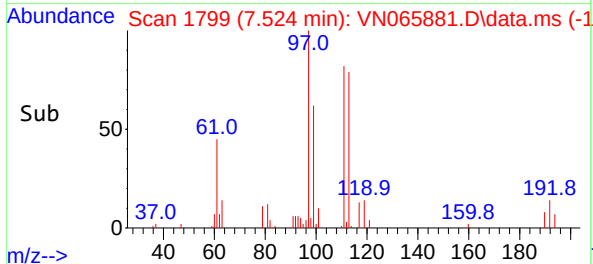
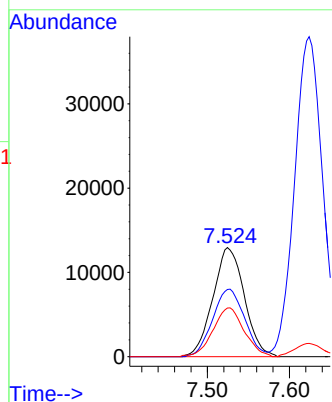
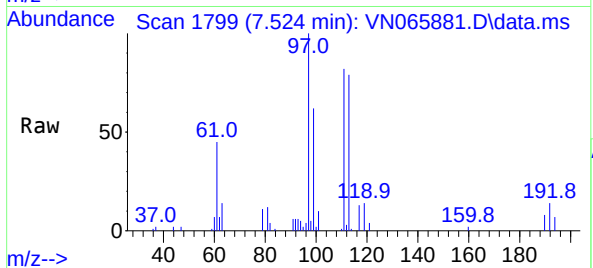




#32
1,1,1-Trichloroethane
Concen: 11.45 ug/l
RT: 7.524 min Scan# 1799
Delta R.T. 0.000 min
Lab File: VN065881.D
Acq: 16 Feb 2021 18:32

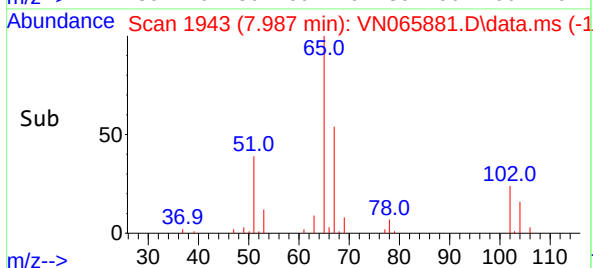
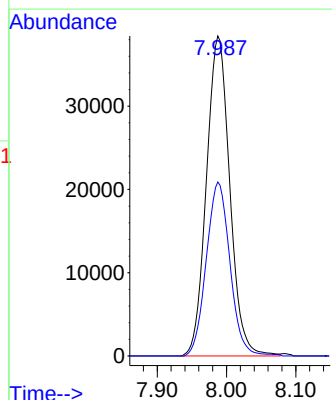
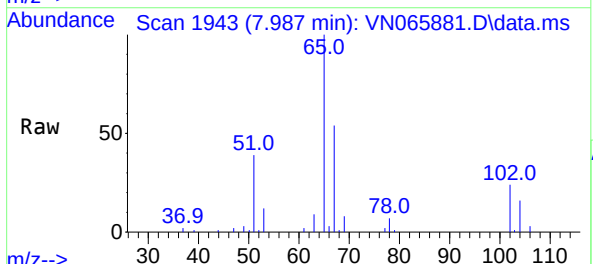
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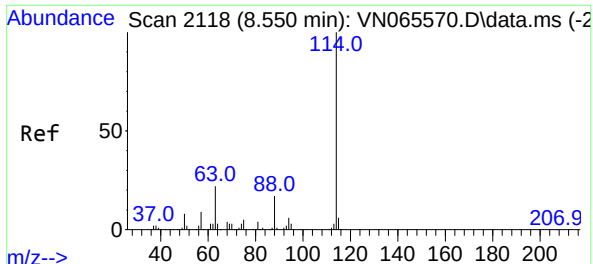
Tgt Ion:	97	Resp:	34500
Ion	Ratio	Lower	Upper
97	100		
99	63.0	50.8	76.2
61	44.5	34.3	51.5



#33
1,2-Dichloroethane-d4
Concen: 41.89 ug/l
RT: 7.987 min Scan# 1943
Delta R.T. 0.000 min
Lab File: VN065881.D
Acq: 16 Feb 2021 18:32

Tgt Ion:	65	Resp:	90055
Ion	Ratio	Lower	Upper
65	100		
67	55.1	0.0	107.2





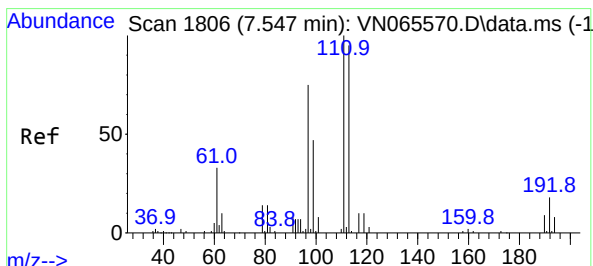
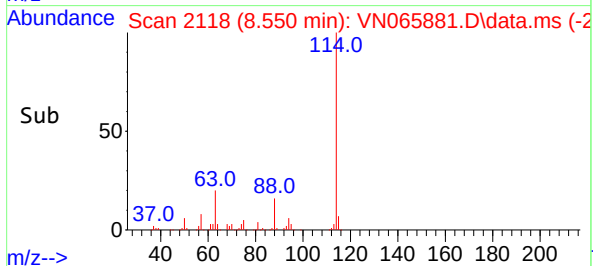
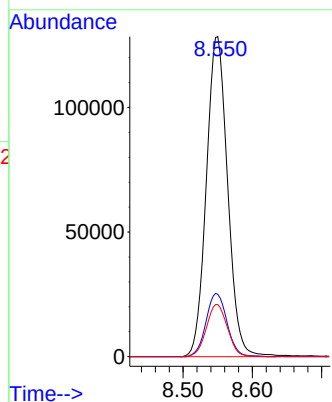
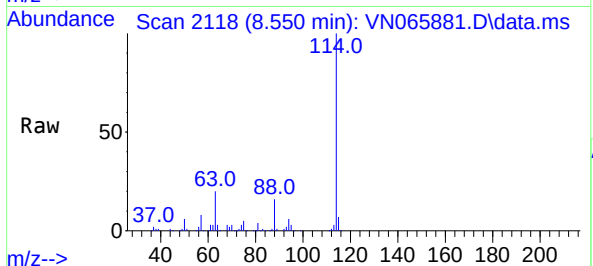
#34

1,4-Difluorobenzene
Concen: 50.00 ug/l
RT: 8.550 min Scan# 2118
Delta R.T. 0.000 min
Lab File: VN065881.D
Acq: 16 Feb 2021 18:32

Instrument :
MSVOA_N
ClientSampleId :
GWBR2-SC-93-021121-FD

Tgt Ion:114 Resp: 273579

Ion	Ratio	Lower	Upper
114	100		
63	19.5	0.0	38.6
88	16.3	0.0	30.6

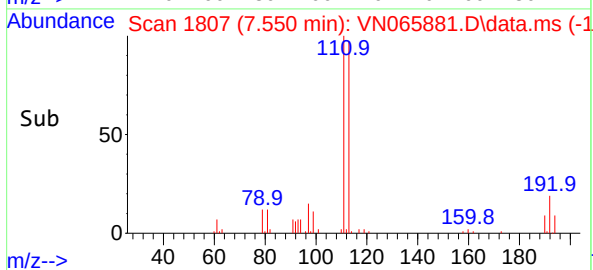
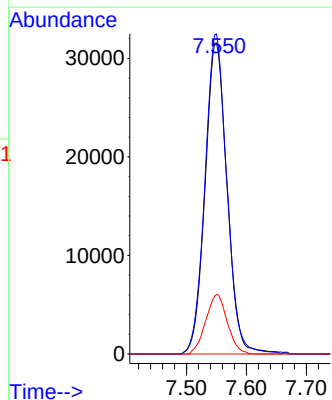
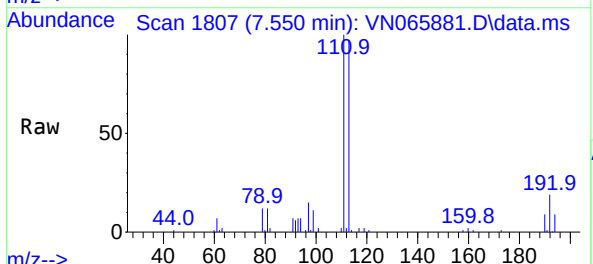


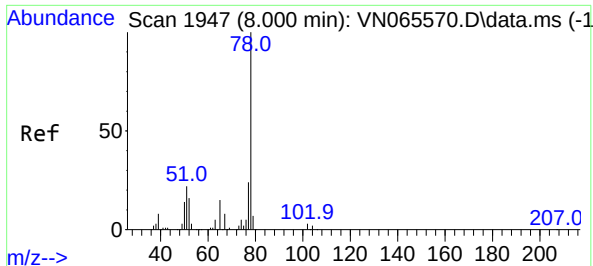
#35

Dibromofluoromethane
Concen: 49.71 ug/l
RT: 7.550 min Scan# 1807
Delta R.T. 0.003 min
Lab File: VN065881.D
Acq: 16 Feb 2021 18:32

Tgt Ion:113 Resp: 80582

Ion	Ratio	Lower	Upper
113	100		
111	102.3	82.2	123.2
192	18.7	15.4	23.0

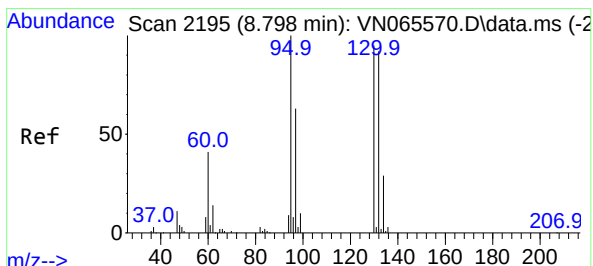
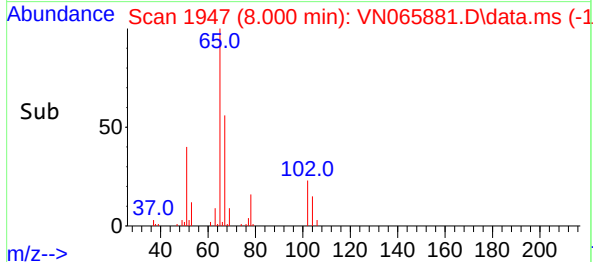
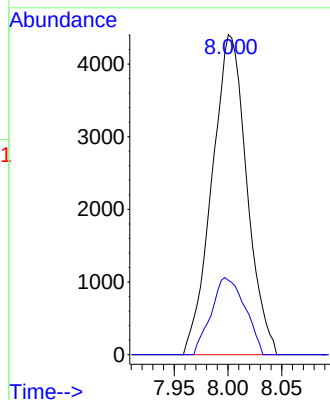
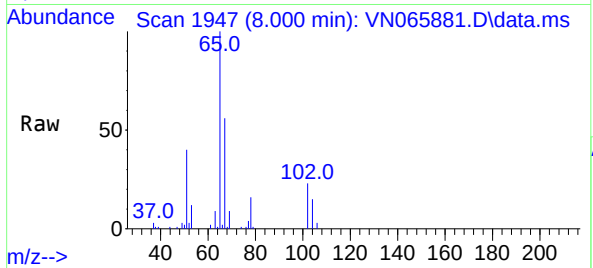




#40
Benzene
Concen: 1.18 ug/l
RT: 8.000 min Scan# 1947
Delta R.T. 0.000 min
Lab File: VN065881.D
Acq: 16 Feb 2021 18:32

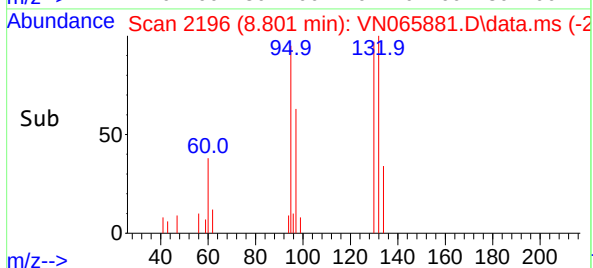
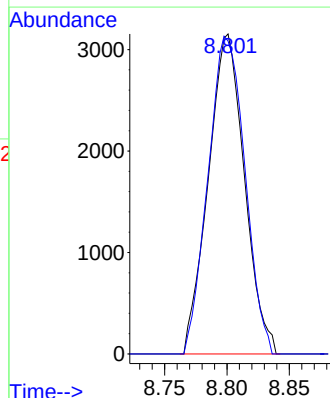
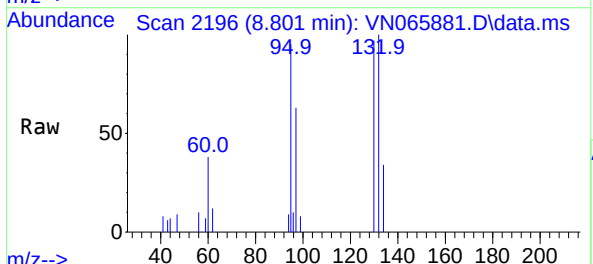
Instrument :
MSVOA_N
ClientSampleId :
GWBR2-SC-93-021121-FD

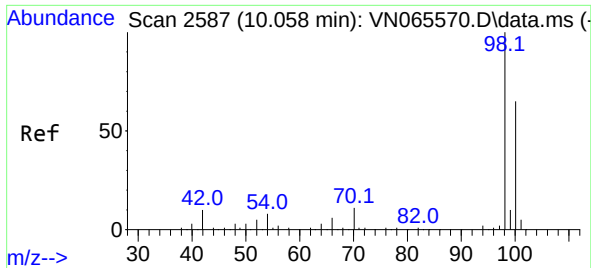
Tgt Ion: 78 Resp: 9915
Ion Ratio Lower Upper
78 100
77 23.2 19.0 28.4



#44
Trichloroethene
Concen: 3.12 ug/l
RT: 8.801 min Scan# 2196
Delta R.T. 0.003 min
Lab File: VN065881.D
Acq: 16 Feb 2021 18:32

Tgt Ion: 130 Resp: 6365
Ion Ratio Lower Upper
130 100
95 97.8 0.0 199.6

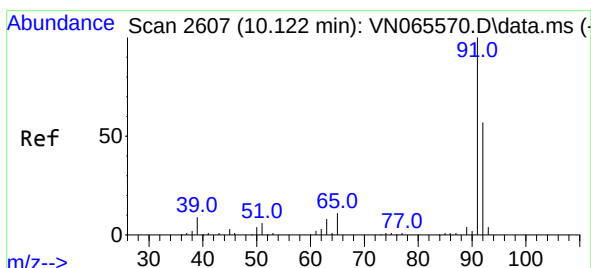
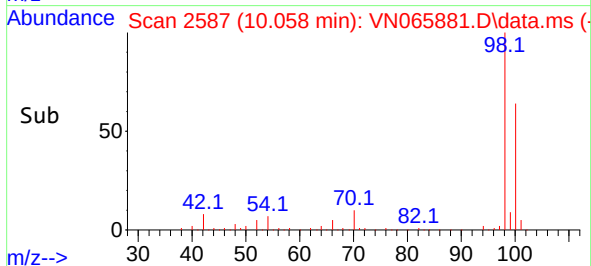
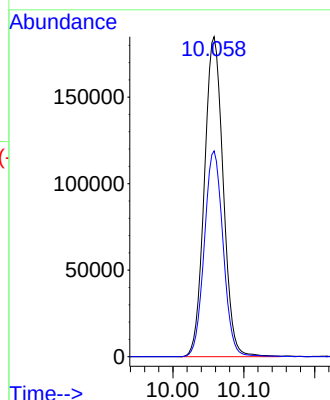
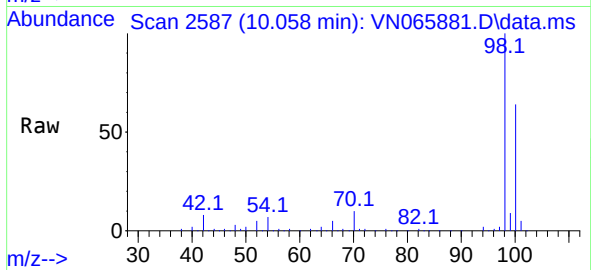




#50
Toluene-d8
Concen: 53.48 ug/l
RT: 10.058 min Scan# 2587
Delta R.T. 0.000 min
Lab File: VN065881.D
Acq: 16 Feb 2021 18:32

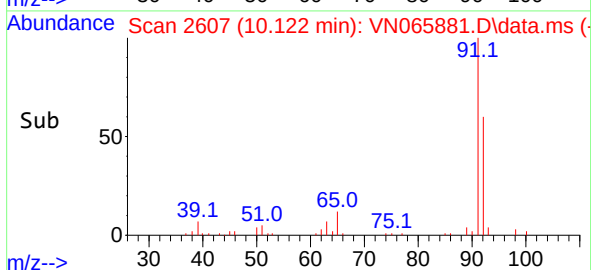
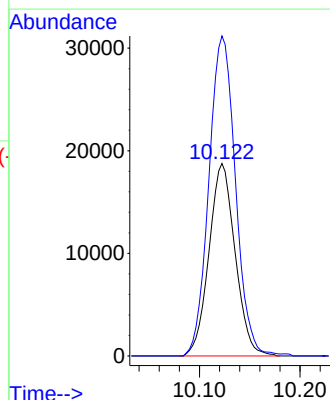
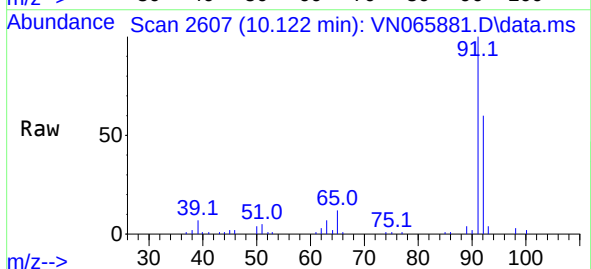
Instrument :
MSVOA_N
ClientSampleId :
GWBR2-SC-93-021121-FD

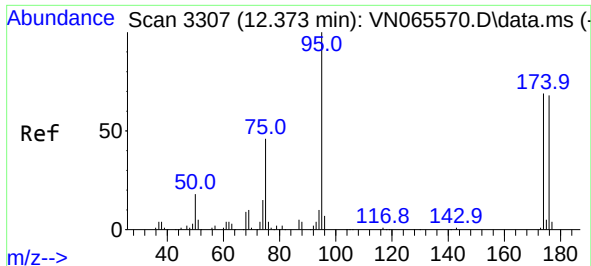
Tgt Ion: 98 Resp: 340807
Ion Ratio Lower Upper
98 100
100 64.4 50.5 75.7



#52
Toluene
Concen: 6.80 ug/l
RT: 10.122 min Scan# 2607
Delta R.T. 0.000 min
Lab File: VN065881.D
Acq: 16 Feb 2021 18:32

Tgt Ion: 92 Resp: 33882
Ion Ratio Lower Upper
92 100
91 169.4 140.7 211.1

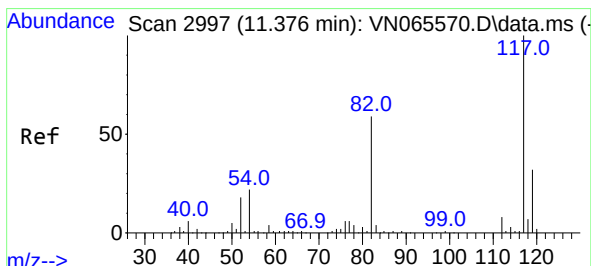
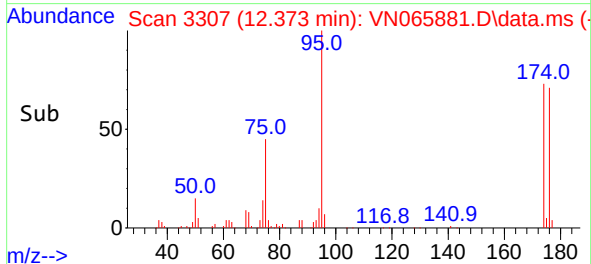
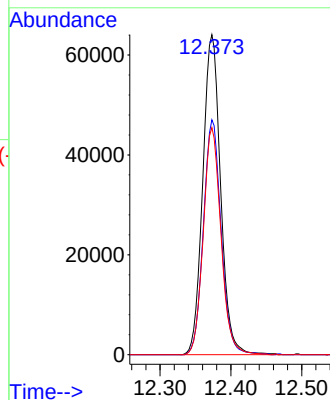
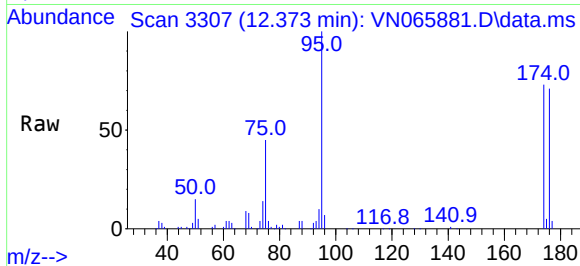




#62
4-Bromofluorobenzene
Concen: 48.84 ug/l
RT: 12.373 min Scan# 3307
Delta R.T. 0.000 min
Lab File: VN065881.D
Acq: 16 Feb 2021 18:32

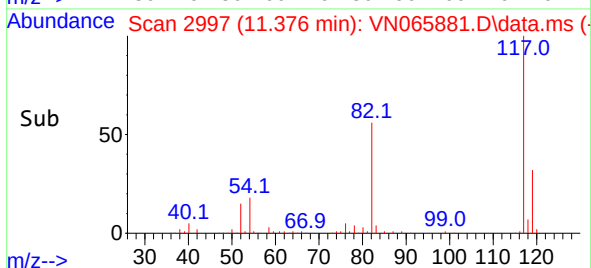
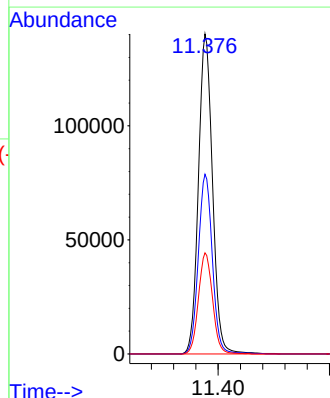
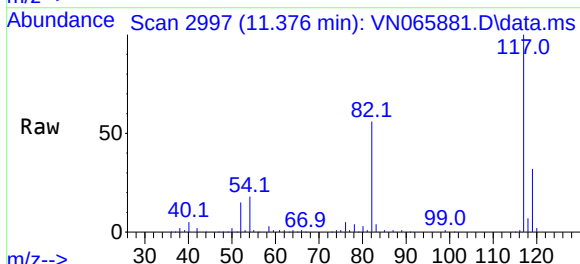
Instrument :
MSVOA_N
ClientSampleId :
GWBR2-SC-93-021121-FD

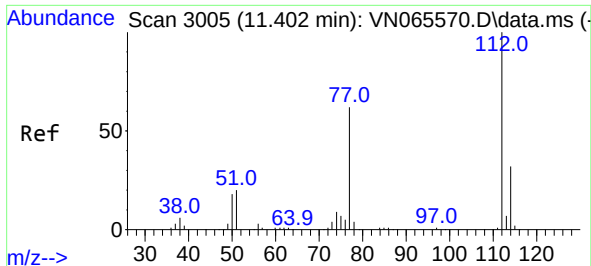
Tgt Ion: 95 Resp: 112073
Ion Ratio Lower Upper
95 100
174 73.0 0.0 169.0
176 70.2 0.0 162.4



#63
Chlorobenzene-d5
Concen: 50.00 ug/l
RT: 11.376 min Scan# 2997
Delta R.T. 0.000 min
Lab File: VN065881.D
Acq: 16 Feb 2021 18:32

Tgt Ion: 117 Resp: 245931
Ion Ratio Lower Upper
117 100
82 56.1 43.7 65.5
119 31.6 26.1 39.1

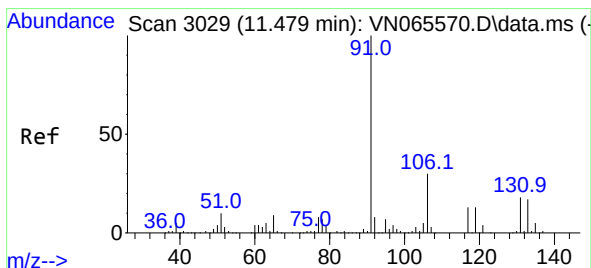
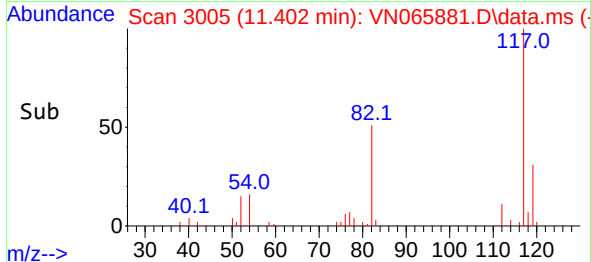
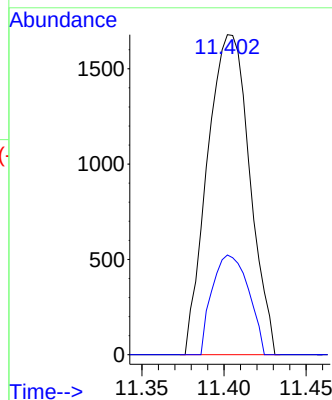
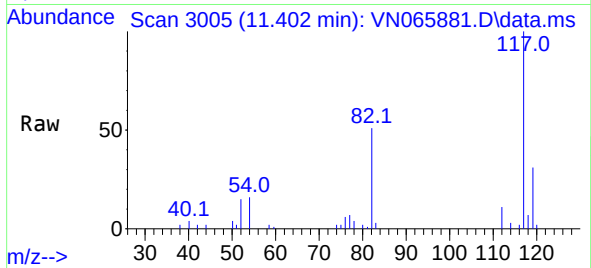




#65
Chlorobenzene
Concen: 0.58 ug/l
RT: 11.402 min Scan# 3005
Delta R.T. 0.000 min
Lab File: VN065881.D
Acq: 16 Feb 2021 18:32

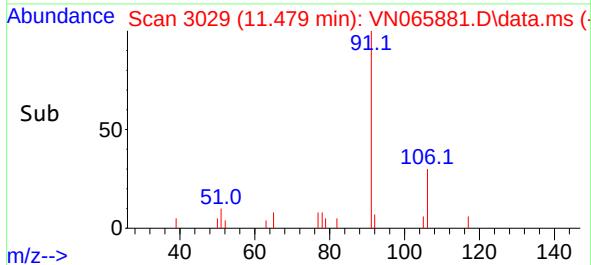
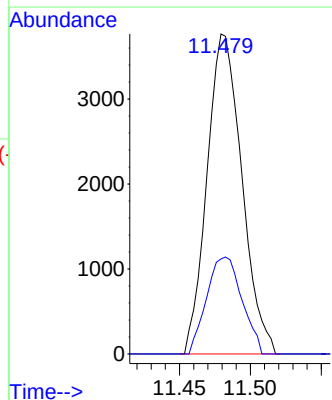
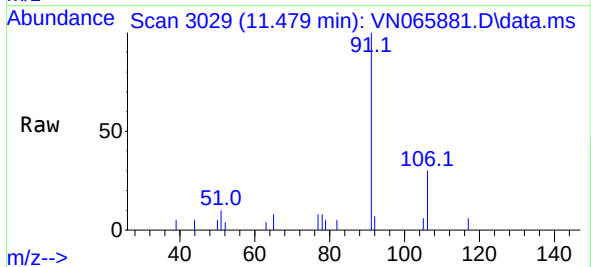
Instrument :
MSVOA_N
ClientSampleId :
GWBR2-SC-93-021121-FD

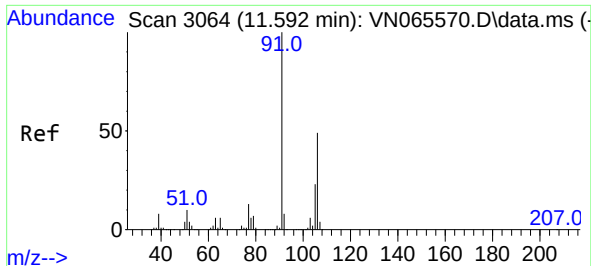
Tgt Ion:112 Resp: 3009
Ion Ratio Lower Upper
112 100
114 31.1 26.1 39.1



#67
Ethyl Benzene
Concen: 0.67 ug/l
RT: 11.479 min Scan# 3029
Delta R.T. 0.000 min
Lab File: VN065881.D
Acq: 16 Feb 2021 18:32

Tgt Ion: 91 Resp: 6429
Ion Ratio Lower Upper
91 100
106 29.7 25.5 38.3

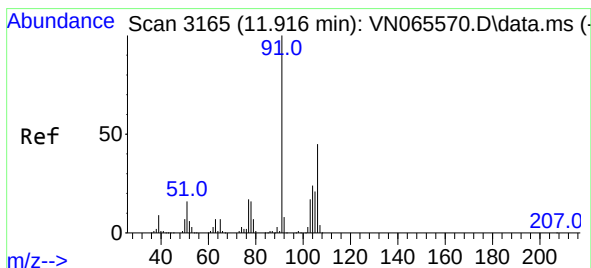
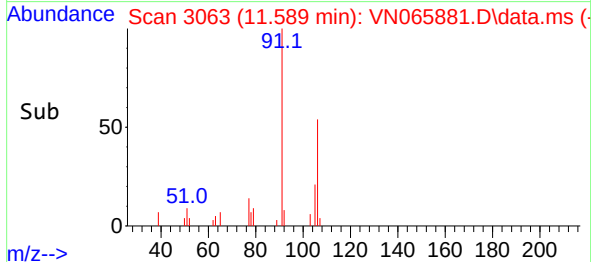
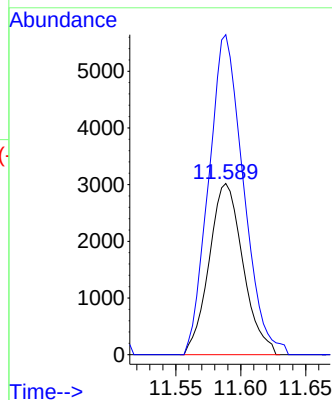
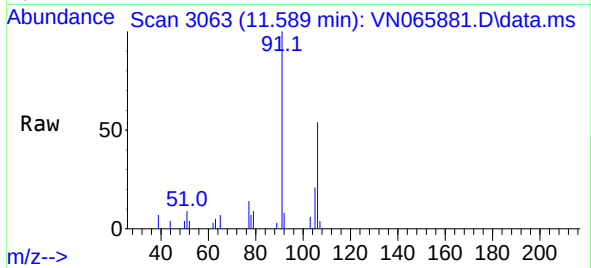




#68
m/p-Xylenes
Concen: 1.57 ug/l
RT: 11.589 min Scan# 3063
Delta R.T. -0.004 min
Lab File: VN065881.D
Acq: 16 Feb 2021 18:32

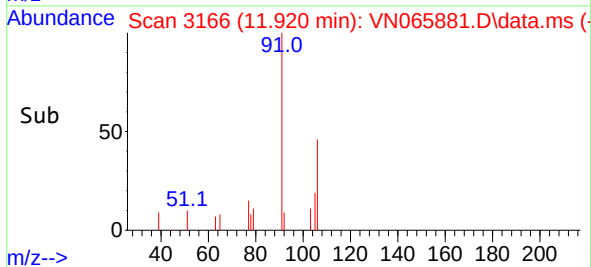
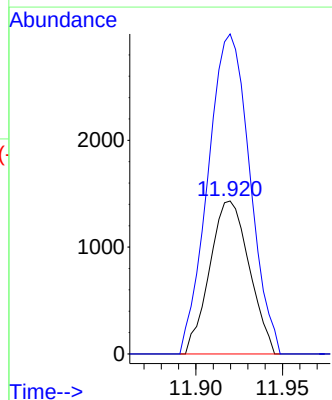
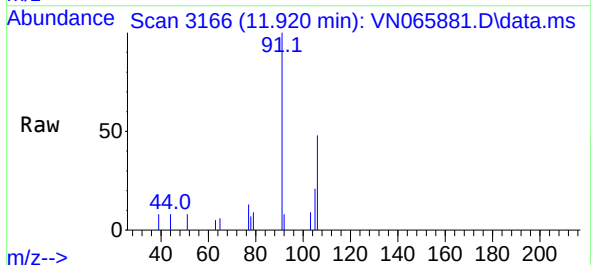
Instrument :
MSVOA_N
ClientSampleId :
GWBR2-SC-93-021121-FD

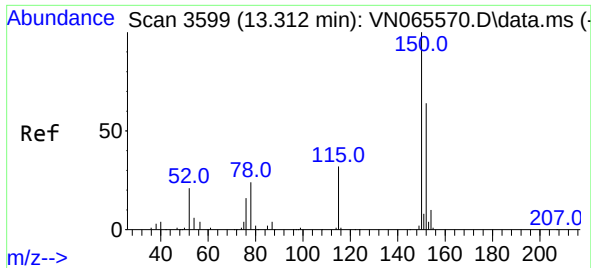
Tgt Ion:106 Resp: 5493
Ion Ratio Lower Upper
106 100
91 190.8 161.4 242.0



#69
o-Xylene
Concen: 0.67 ug/l
RT: 11.920 min Scan# 3166
Delta R.T. 0.004 min
Lab File: VN065881.D
Acq: 16 Feb 2021 18:32

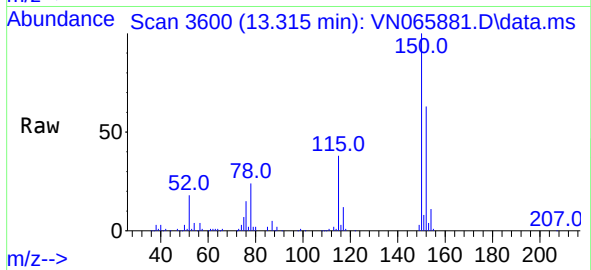
Tgt Ion:106 Resp: 2270
Ion Ratio Lower Upper
106 100
91 221.1 106.8 320.4





#72
 1,4-Dichlorobenzene-d4
 Concen: 50.00 ug/l
 RT: 13.315 min Scan# 3600
 Delta R.T. 0.003 min
 Lab File: VN065881.D
 Acq: 16 Feb 2021 18:32

Instrument :
 MSVOA_N
 ClientSampleId :
 GWBR2-SC-93-021121-FD



Tgt Ion:152 Resp: 93717
 Ion Ratio Lower Upper
 152 100
 115 60.2 28.5 85.6
 150 159.2 0.0 347.6

