

Data Path : Z:\voasrv\HPCHEM1\MSVOA_N\Data\VN021621\
 Data File : VN065882.D
 Acq On : 16 Feb 2021 18:56
 Operator : JC/MD
 Sample : M1413-02DL 10X
 Misc : 5.00mL/MSVOA_N/WATER
 ALS Vial : 11 Sample Multiplier: 1

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

Quant Time: Feb 16 19:15:25 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	164471	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	8.550	114	274849	50.00	ug/l	0.00
63) Chlorobenzene-d5	11.376	117	243588	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.315	152	89654	50.00	ug/l	0.00

System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	7.987	65	88418	40.86	ug/l	0.00
Spiked Amount	50.000	Range	61 - 141	Recovery	=	81.72%
35) Dibromofluoromethane	7.550	113	79934	49.08	ug/l	0.00
Spiked Amount	50.000	Range	69 - 133	Recovery	=	98.16%
50) Toluene-d8	10.058	98	338059	52.80	ug/l	0.00
Spiked Amount	50.000	Range	65 - 126	Recovery	=	105.60%
62) 4-Bromofluorobenzene	12.373	95	110214	47.81	ug/l	0.00
Spiked Amount	50.000	Range	58 - 135	Recovery	=	95.62%

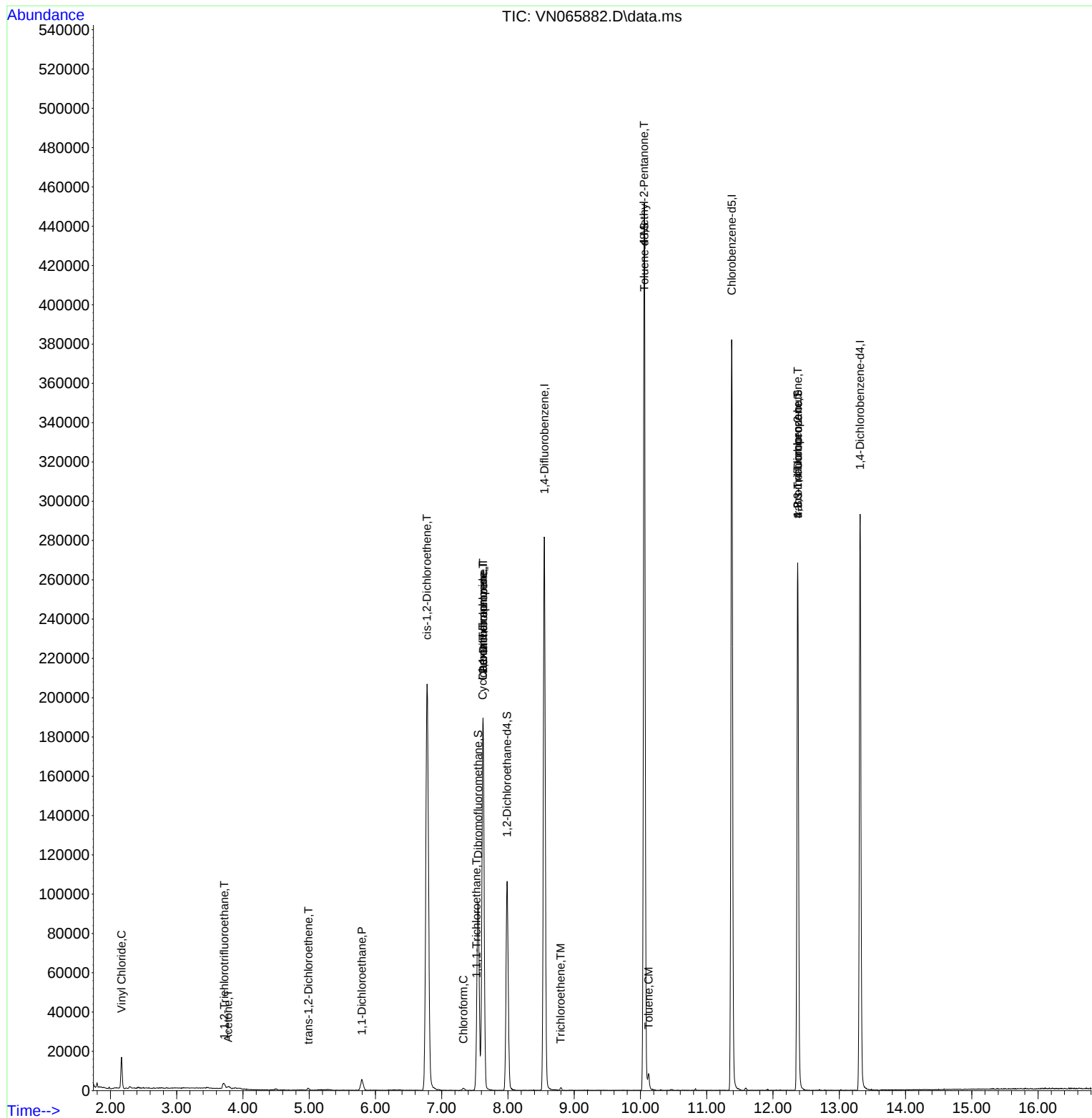
Target Compounds					Qvalue
4) Vinyl Chloride	2.168	62	14715	5.37	ug/l 98
9) 1,1,2-Trichlorotrifluo...	3.717	101	2192	1.26	ug/l # 83
16) Acetone	3.775	43	1929	2.29	ug/l 89
21) trans-1,2-Dichloroethene	4.987	96	601	0.28	ug/l # 32
24) 1,1-Dichloroethane	5.794	63	9362	2.31	ug/l # 92
27) cis-1,2-Dichloroethene	6.778	96	149298	61.23	ug/l 91
30) Chloroform	7.328	83	1461	0.39	ug/l # 71
31) Cyclohexane	7.618	56	1421	0.35	ug/l # 1
32) 1,1,1-Trichloroethane	7.524	97	3037	1.00	ug/l # 50
36) 1,1-Dichloropropene	7.624	75	11552	4.18	ug/l # 44
38) Carbon Tetrachloride	7.621	117	14990	6.58	ug/l # 16
44) Trichloroethene	8.794	130	559	0.27	ug/l 96
51) 4-Methyl-2-Pentanone	10.052	43	1016	0.39	ug/l # 1
52) Toluene	10.122	92	3528	0.71	ug/l 100
76) 1,2,3-Trichloropropane	12.373	75	48838	20.83	ug/l # 100
81) trans-1,4-Dichloro-2-b...	12.373	75	48838	53.36	ug/l # 12

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

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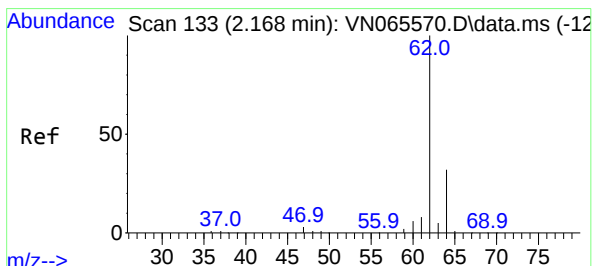
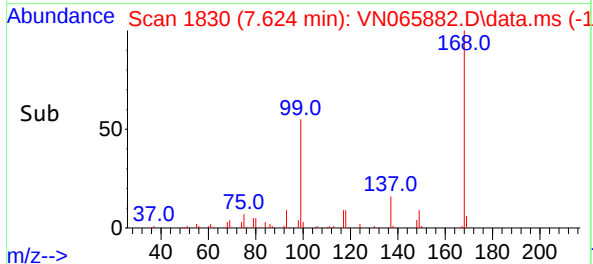
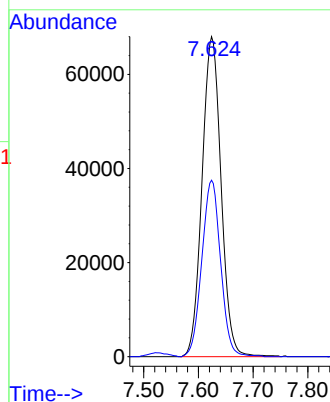
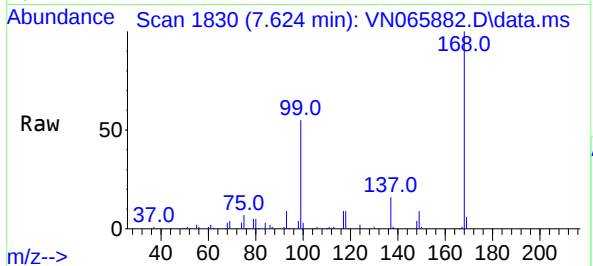




#1
Pentafluorobenzene
Concen: 50.00 ug/l
RT: 7.624 min Scan# 1830
Delta R.T. -0.000 min
Lab File: VN065882.D
Acq: 16 Feb 2021 18:56

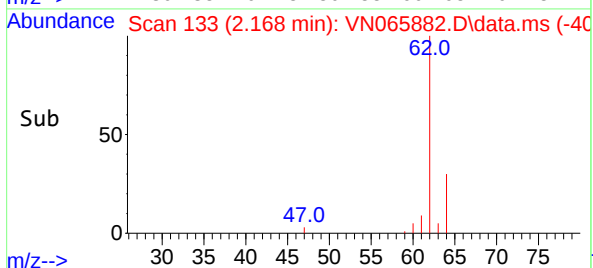
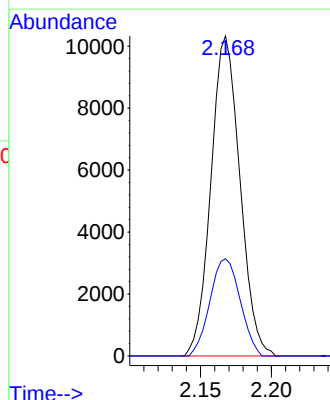
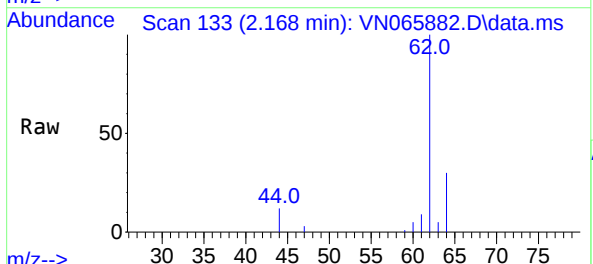
Instrument :
MSVOA_N
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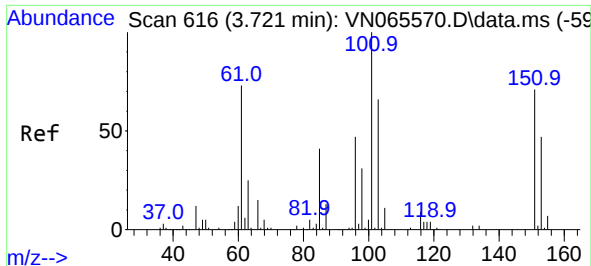
Tgt Ion:168 Resp: 164471
Ion Ratio Lower Upper
168 100
99 55.2 42.6 63.8



#4
Vinyl Chloride
Concen: 5.37 ug/l
RT: 2.168 min Scan# 133
Delta R.T. -0.000 min
Lab File: VN065882.D
Acq: 16 Feb 2021 18:56

Tgt Ion: 62 Resp: 14715
Ion Ratio Lower Upper
62 100
64 30.4 25.1 37.7

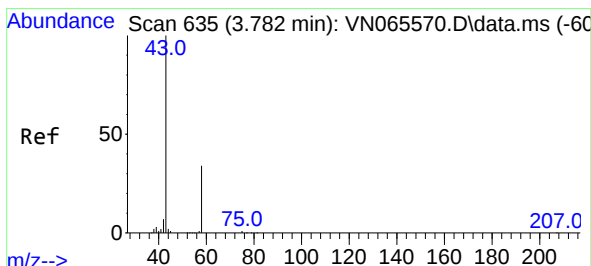
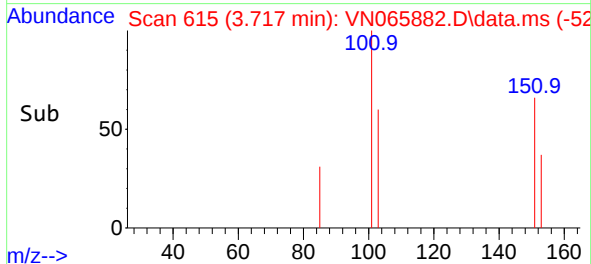
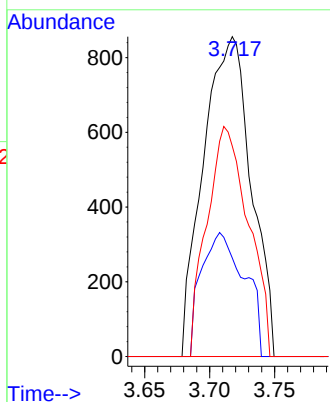
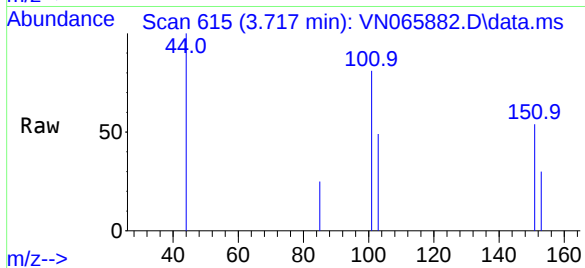




#9
1,1,2-Trichlorotrifluoroethane
Concen: 1.26 ug/l
RT: 3.717 min Scan# 615
Delta R.T. -0.004 min
Lab File: VN065882.D
Acq: 16 Feb 2021 18:56

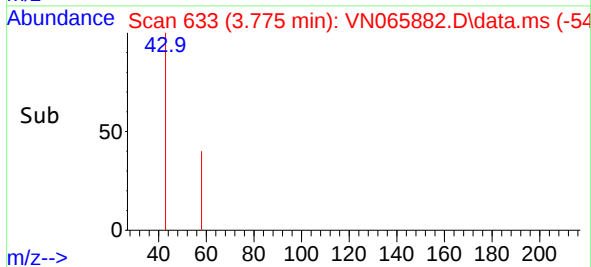
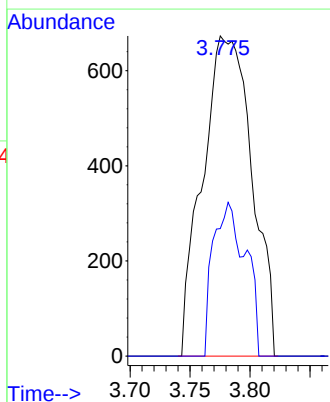
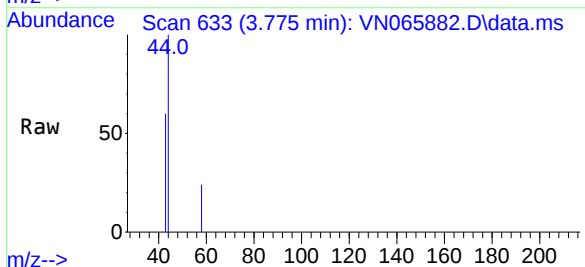
Instrument :
MSVOA_N
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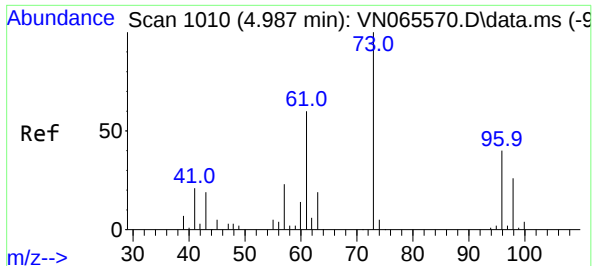
Tgt Ion:101 Resp: 2192
Ion Ratio Lower Upper
101 100
85 34.9 34.6 51.8
151 62.5 63.5 95.3#



#16
Acetone
Concen: 2.29 ug/l
RT: 3.775 min Scan# 633
Delta R.T. -0.007 min
Lab File: VN065882.D
Acq: 16 Feb 2021 18:56

Tgt Ion: 43 Resp: 1929
Ion Ratio Lower Upper
43 100
58 39.8 27.0 40.6

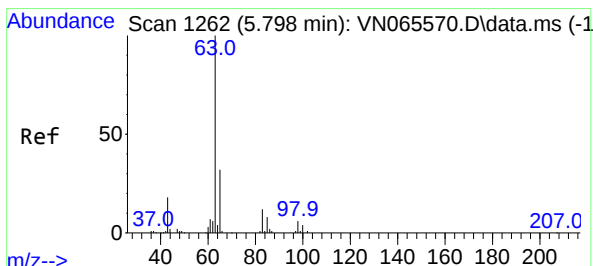
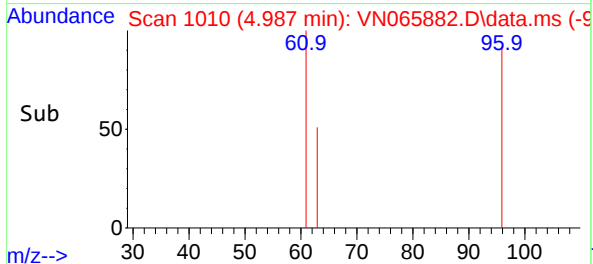
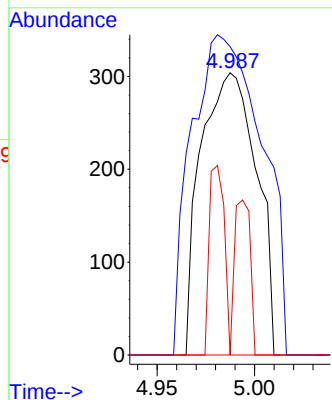
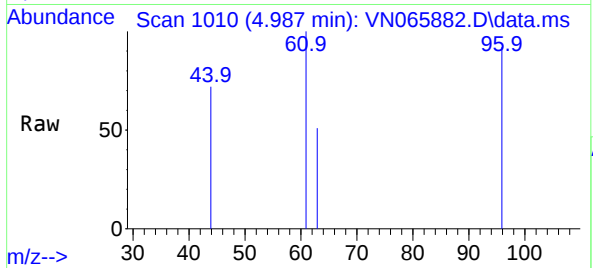




#21
trans-1,2-Dichloroethene
Concen: 0.28 ug/l
RT: 4.987 min Scan# 1010
Delta R.T. 0.000 min
Lab File: VN065882.D
Acq: 16 Feb 2021 18:56

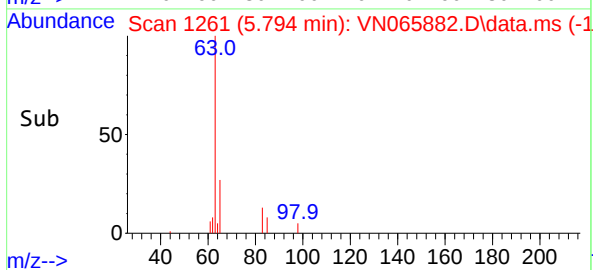
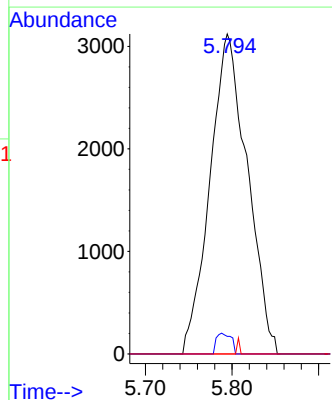
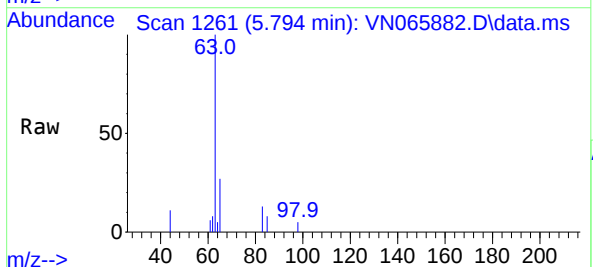
Instrument :
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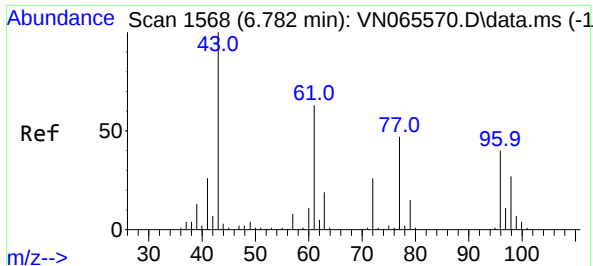
Tgt Ion: 96 Resp: 601
Ion Ratio Lower Upper
96 100
61 59.5 104.9 157.3#
98 0.0 51.8 77.8#



#24
1,1-Dichloroethane
Concen: 2.31 ug/l
RT: 5.794 min Scan# 1261
Delta R.T. -0.004 min
Lab File: VN065882.D
Acq: 16 Feb 2021 18:56

Tgt Ion: 63 Resp: 9362
Ion Ratio Lower Upper
63 100
98 5.5 3.5 10.4
100 0.0 2.3 6.9#

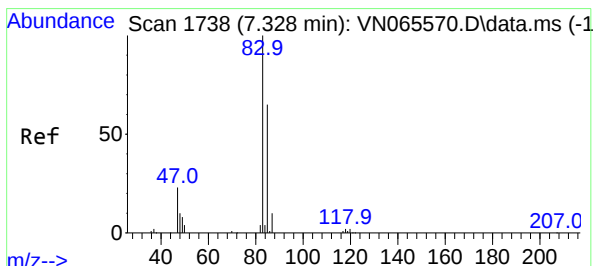
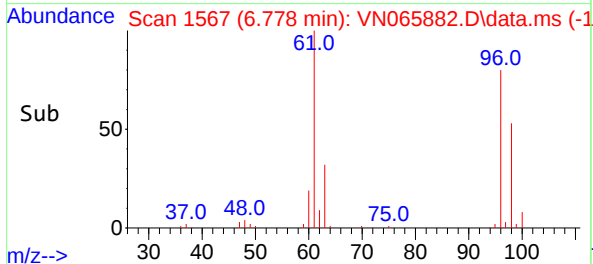
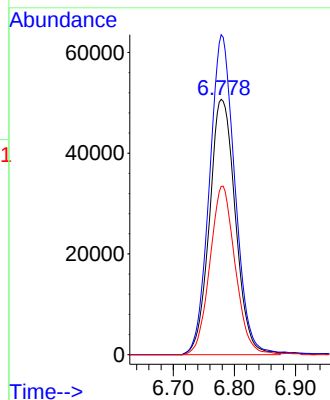
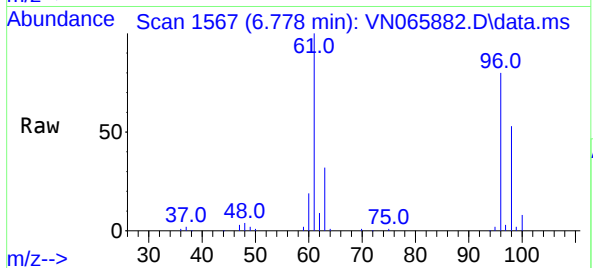




#27
 cis-1,2-Dichloroethene
 Concen: 61.23 ug/l
 RT: 6.778 min Scan# 1567
 Delta R.T. -0.004 min
 Lab File: VN065882.D
 Acq: 16 Feb 2021 18:56

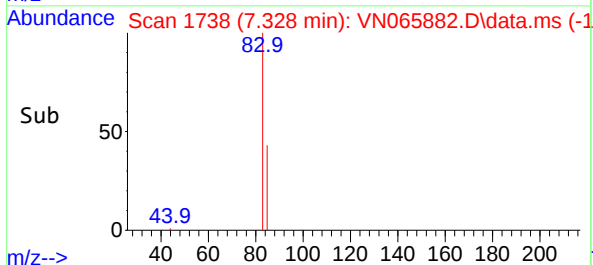
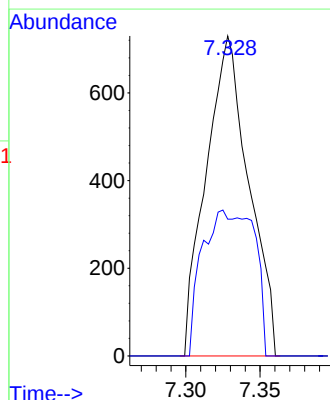
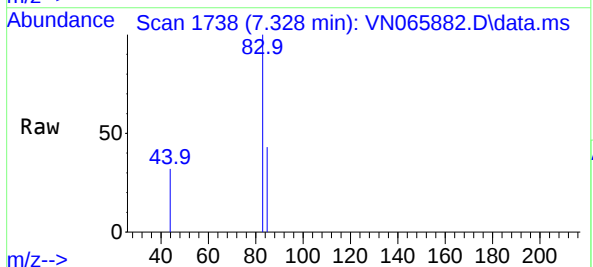
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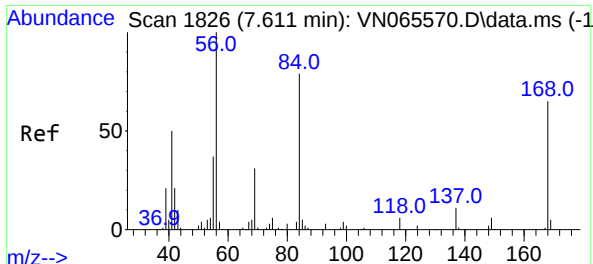
Tgt Ion: 96 Resp: 149298
 Ion Ratio Lower Upper
 96 100
 61 122.6 0.0 276.8
 98 64.6 0.0 129.4



#30
 Chloroform
 Concen: 0.39 ug/l
 RT: 7.328 min Scan# 1738
 Delta R.T. 0.000 min
 Lab File: VN065882.D
 Acq: 16 Feb 2021 18:56

Tgt Ion: 83 Resp: 1461
 Ion Ratio Lower Upper
 83 100
 85 42.7 52.6 78.8#

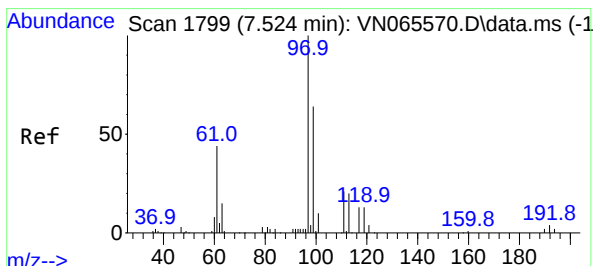
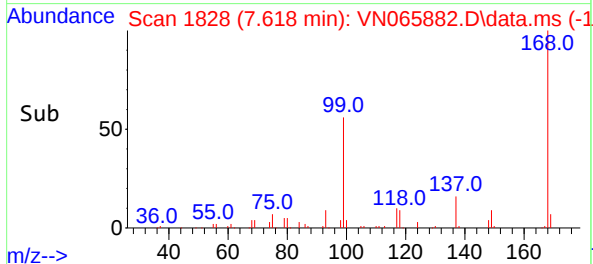
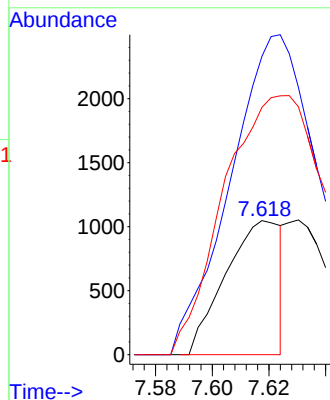
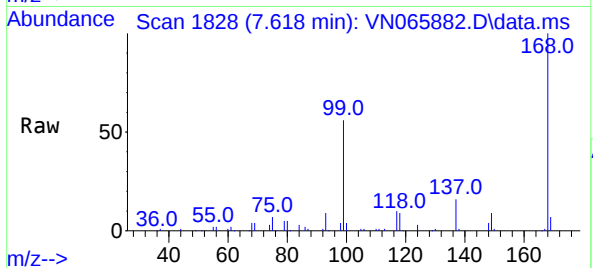




#31
Cyclohexane
Concen: 0.35 ug/l
RT: 7.618 min Scan# 1828
Delta R.T. 0.007 min
Lab File: VN065882.D
Acq: 16 Feb 2021 18:56

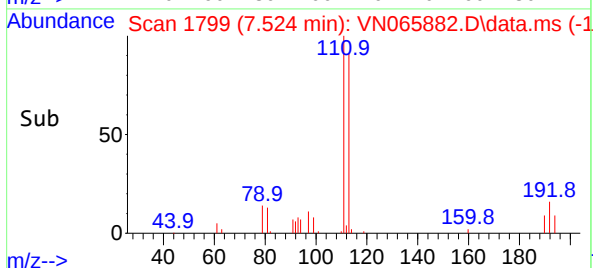
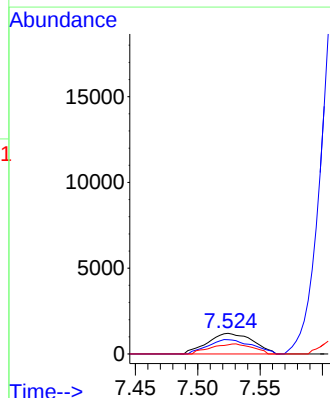
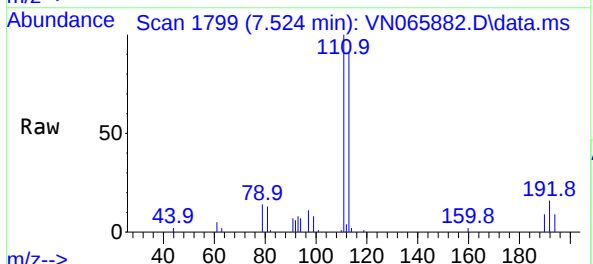
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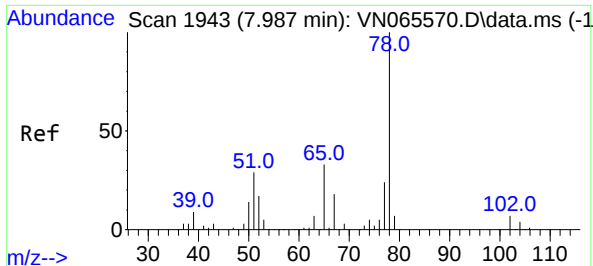
Tgt Ion: 56 Resp: 1421
Ion Ratio Lower Upper
56 100
69 199.8 26.6 39.8#
84 167.2 70.4 105.6#



#32
1,1,1-Trichloroethane
Concen: 1.00 ug/l
RT: 7.524 min Scan# 1799
Delta R.T. 0.000 min
Lab File: VN065882.D
Acq: 16 Feb 2021 18:56

Tgt Ion: 97 Resp: 3037
Ion Ratio Lower Upper
97 100
99 0.0 50.8 76.2#
61 44.9 34.3 51.5

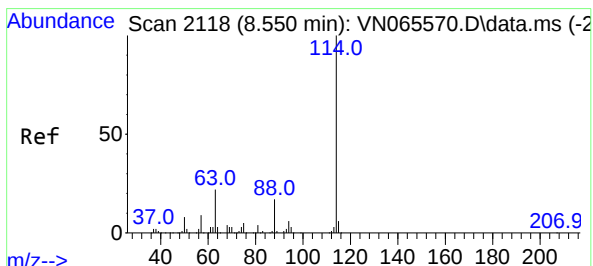
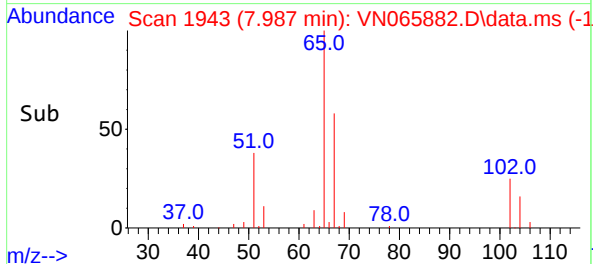
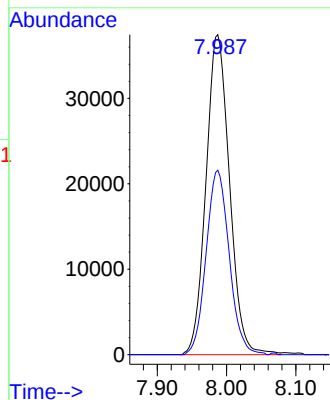
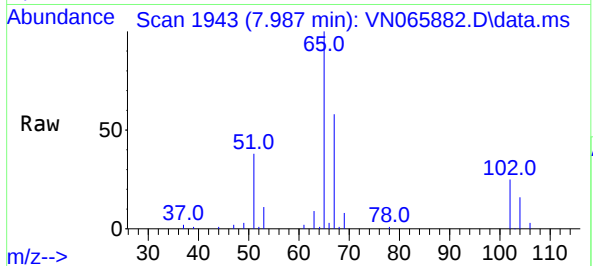




#33
1,2-Dichloroethane-d4
Concen: 40.86 ug/l
RT: 7.987 min Scan# 1943
Delta R.T. 0.000 min
Lab File: VN065882.D
Acq: 16 Feb 2021 18:56

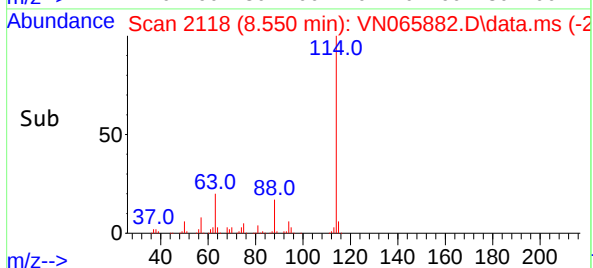
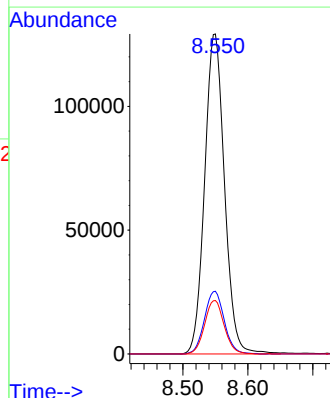
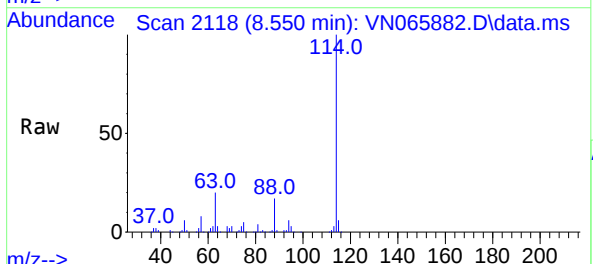
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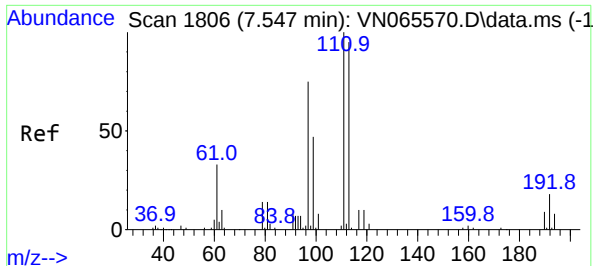
Tgt Ion: 65 Resp: 88418
Ion Ratio Lower Upper
65 100
67 56.6 0.0 107.2



#34
1,4-Difluorobenzene
Concen: 50.00 ug/l
RT: 8.550 min Scan# 2118
Delta R.T. -0.000 min
Lab File: VN065882.D
Acq: 16 Feb 2021 18:56

Tgt Ion: 114 Resp: 274849
Ion Ratio Lower Upper
114 100
63 19.6 0.0 38.6
88 16.7 0.0 30.6

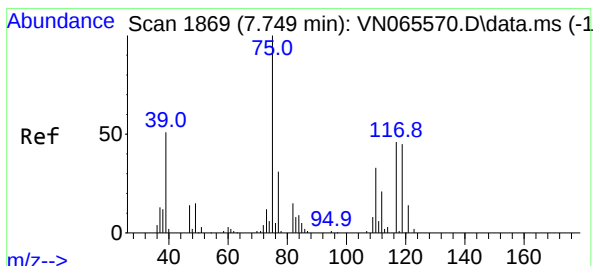
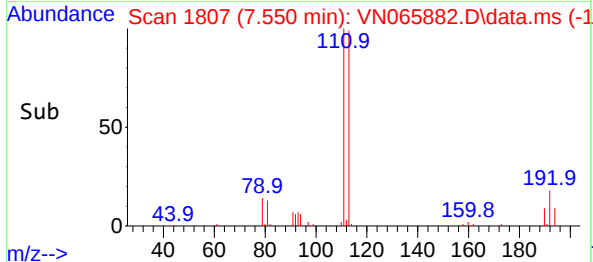
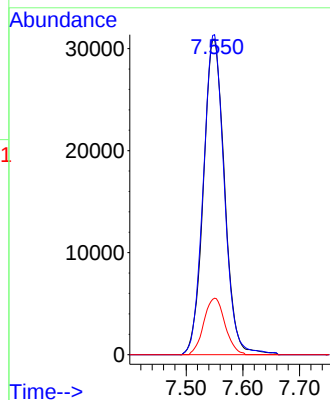
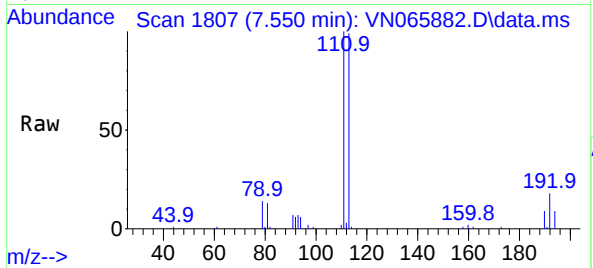




#35
Dibromofluoromethane
Concen: 49.08 ug/l
RT: 7.550 min Scan# 1807
Delta R.T. 0.003 min
Lab File: VN065882.D
Acq: 16 Feb 2021 18:56

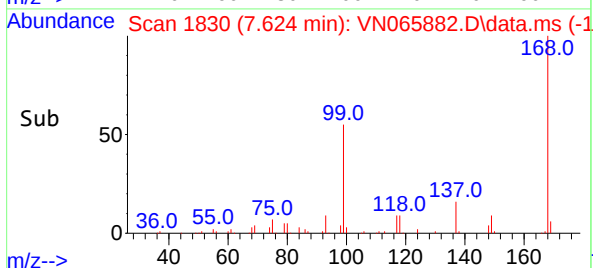
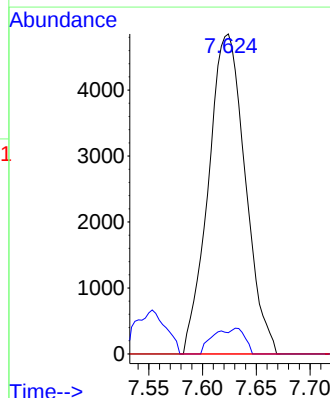
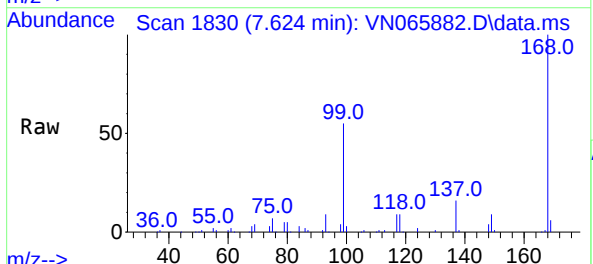
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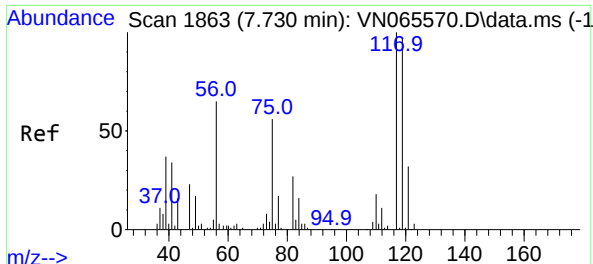
Tgt Ion:113 Resp: 79934
Ion Ratio Lower Upper
113 100
111 100.4 82.2 123.2
192 18.0 15.4 23.0



#36
1,1-Dichloropropene
Concen: 4.18 ug/l
RT: 7.624 min Scan# 1830
Delta R.T. -0.125 min
Lab File: VN065882.D
Acq: 16 Feb 2021 18:56

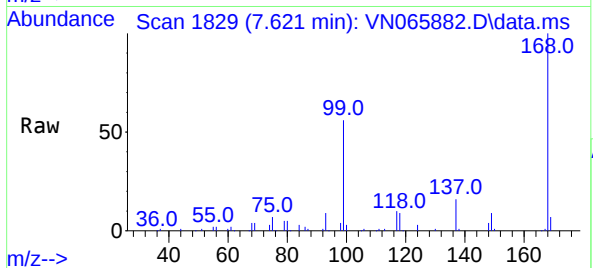
Tgt Ion: 75 Resp: 11552
Ion Ratio Lower Upper
75 100
110 3.7 18.2 54.6#
77 0.0 24.9 37.3#



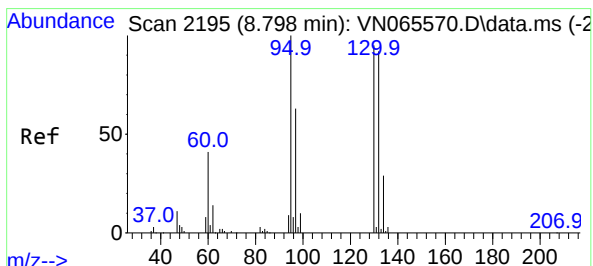
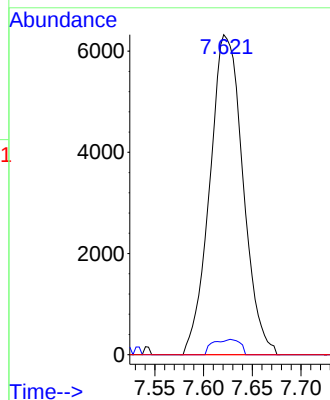
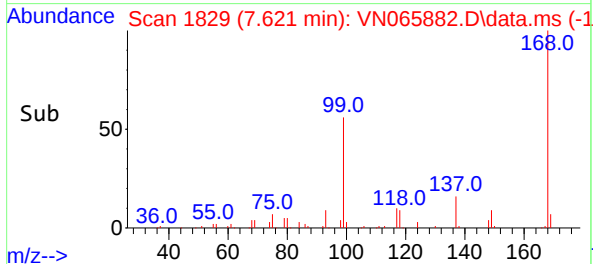


#38
Carbon Tetrachloride
Concen: 6.58 ug/l
RT: 7.621 min Scan# 1829
Delta R.T. -0.109 min
Lab File: VN065882.D
Acq: 16 Feb 2021 18:56

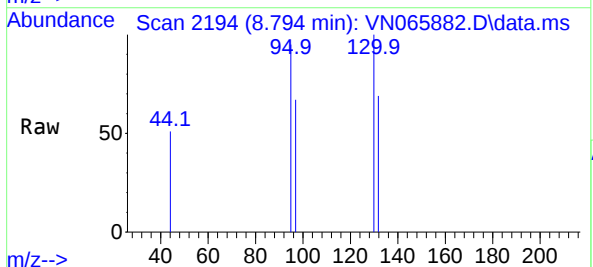
Instrument :
MSVOA_N
ClientSampleId :
GWBR2-SC-93-021121-FDDL



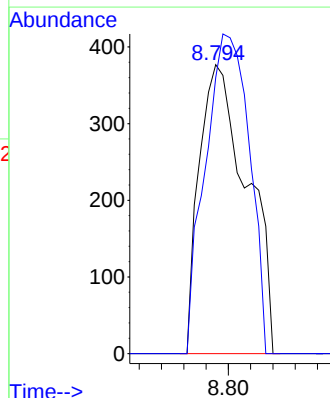
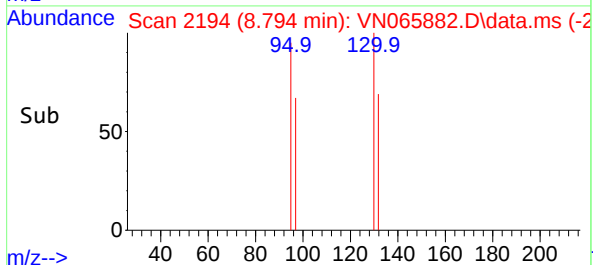
Tgt Ion:117 Resp: 14990
Ion Ratio Lower Upper
117 100
119 4.1 76.0 114.0#
121 0.0 24.5 36.7#

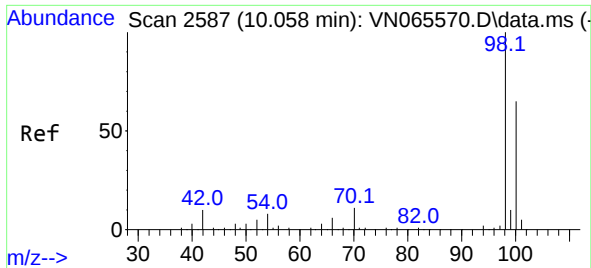


#44
Trichloroethene
Concen: 0.27 ug/l
RT: 8.794 min Scan# 2194
Delta R.T. -0.004 min
Lab File: VN065882.D
Acq: 16 Feb 2021 18:56



Tgt Ion:130 Resp: 559
Ion Ratio Lower Upper
130 100
95 95.5 0.0 199.6

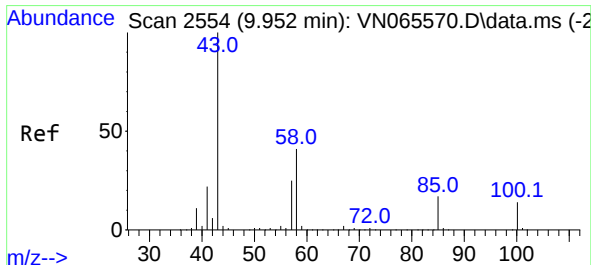
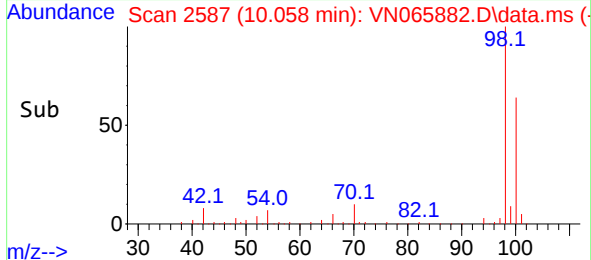
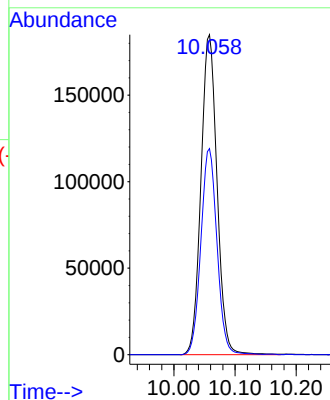
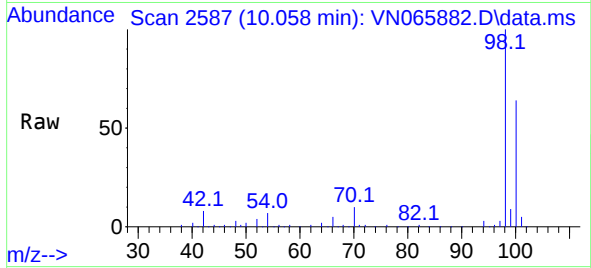




#50
Toluene-d8
Concen: 52.80 ug/l
RT: 10.058 min Scan# 2587
Delta R.T. -0.000 min
Lab File: VN065882.D
Acq: 16 Feb 2021 18:56

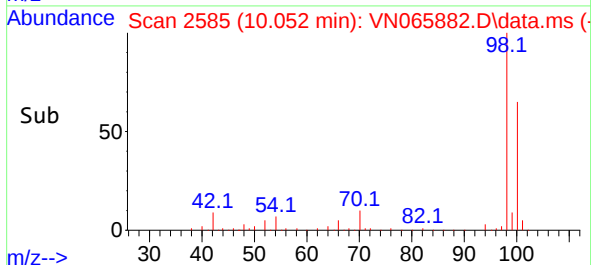
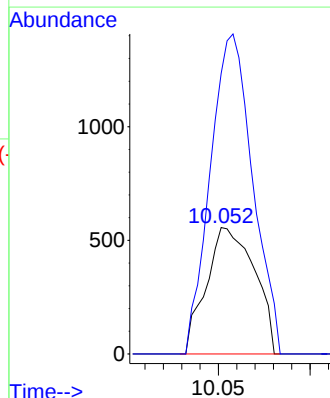
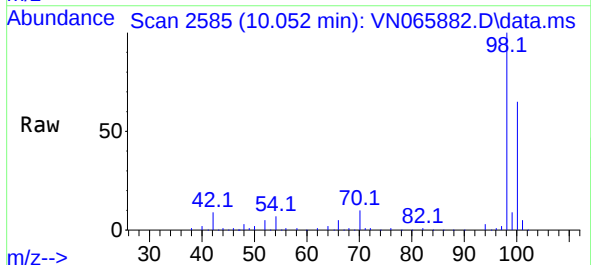
Instrument :
MSVOA_N
ClientSampleId :
GWBR2-SC-93-021121-FDDL

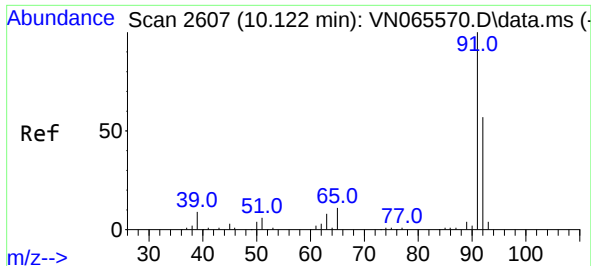
Tgt Ion: 98 Resp: 338059
Ion Ratio Lower Upper
98 100
100 64.5 50.5 75.7



#51
4-Methyl-2-Pentanone
Concen: 0.39 ug/l
RT: 10.052 min Scan# 2585
Delta R.T. 0.100 min
Lab File: VN065882.D
Acq: 16 Feb 2021 18:56

Tgt Ion: 43 Resp: 1016
Ion Ratio Lower Upper
43 100
58 222.7 32.5 48.7#

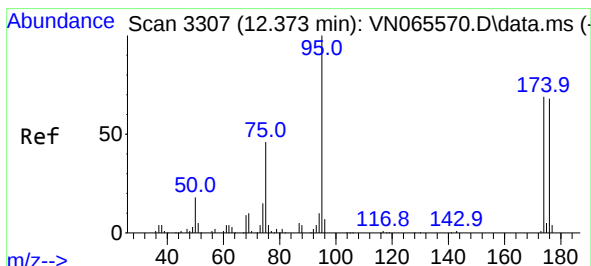
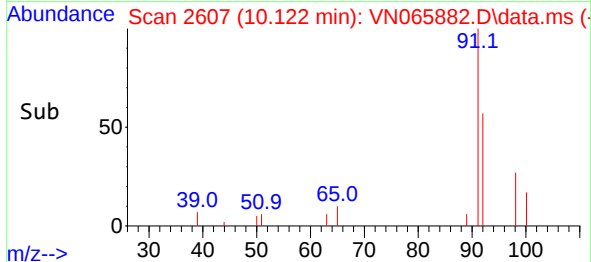
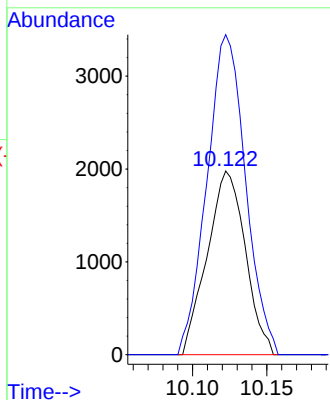
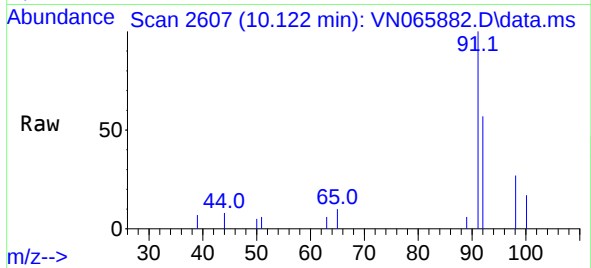




#52
Toluene
Concen: 0.71 ug/l
RT: 10.122 min Scan# 2607
Delta R.T. 0.000 min
Lab File: VN065882.D
Acq: 16 Feb 2021 18:56

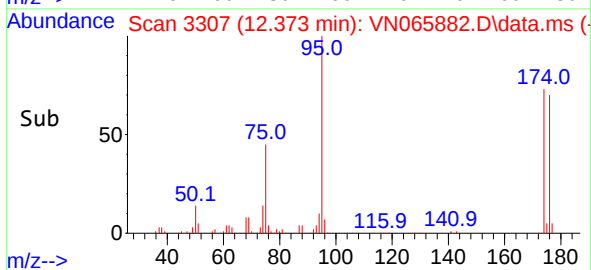
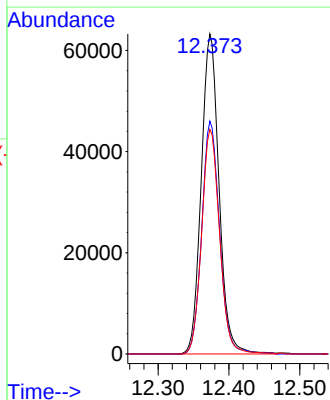
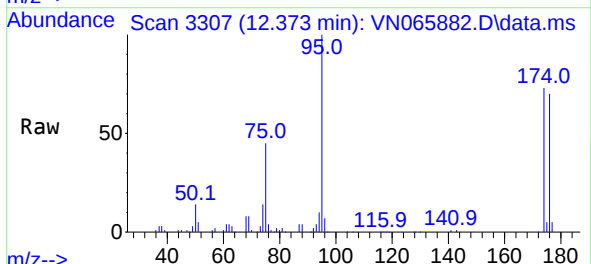
Instrument :
MSVOA_N
ClientSampleId :
GWBR2-SC-93-021121-FDDL

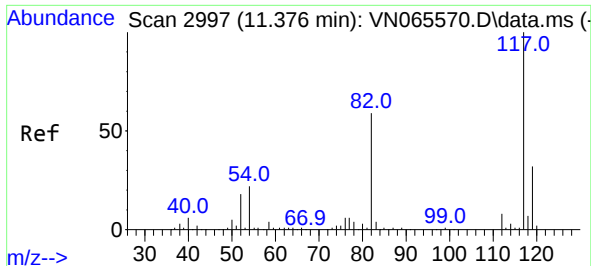
Tgt Ion: 92 Resp: 3528
Ion Ratio Lower Upper
92 100
91 176.5 140.7 211.1



#62
4-Bromofluorobenzene
Concen: 47.81 ug/l
RT: 12.373 min Scan# 3307
Delta R.T. -0.000 min
Lab File: VN065882.D
Acq: 16 Feb 2021 18:56

Tgt Ion: 95 Resp: 110214
Ion Ratio Lower Upper
95 100
174 72.7 0.0 169.0
176 70.8 0.0 162.4

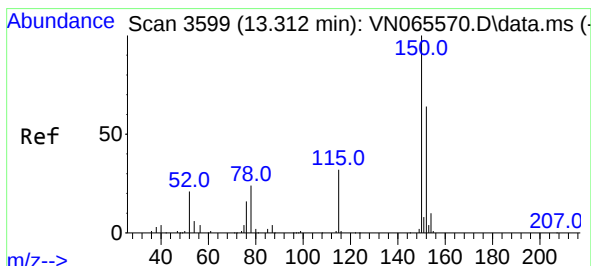
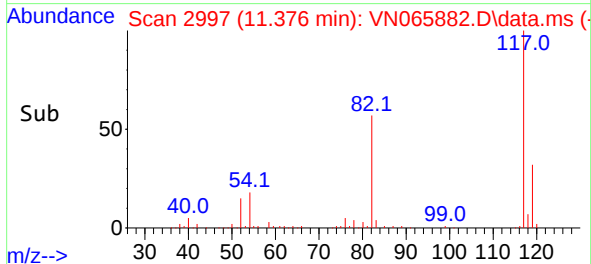
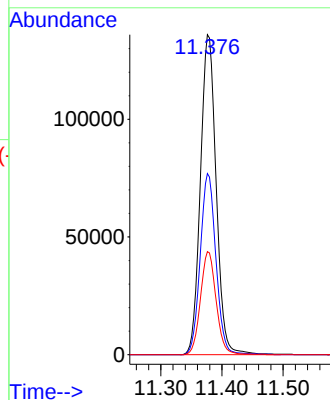
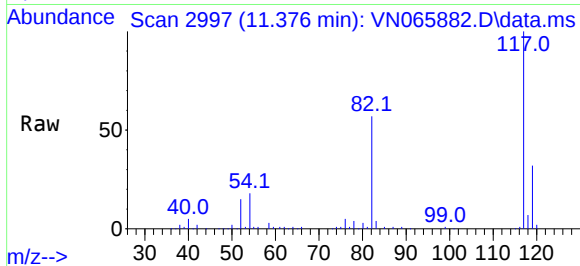




#63
Chlorobenzene-d5
Concen: 50.00 ug/l
RT: 11.376 min Scan# 2997
Delta R.T. 0.000 min
Lab File: VN065882.D
Acq: 16 Feb 2021 18:56

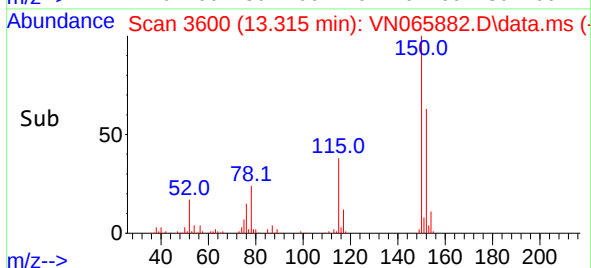
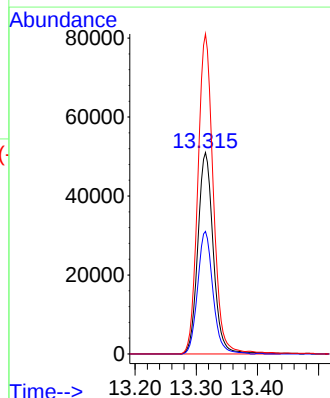
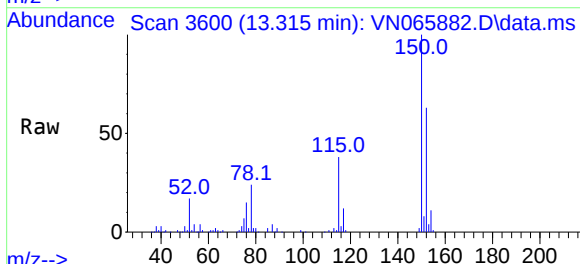
Instrument :
MSVOA_N
ClientSampleId :
GWBR2-SC-93-021121-FDDL

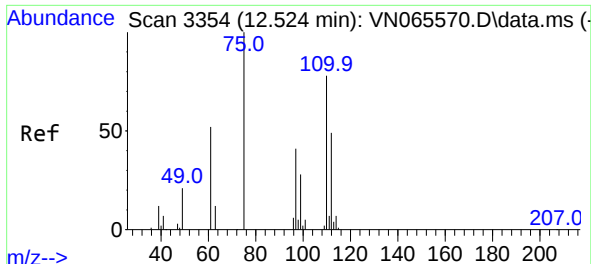
Tgt Ion:	117	Resp:	243588
Ion	Ratio	Lower	Upper
117	100		
82	56.6	43.7	65.5
119	32.2	26.1	39.1



#72
1,4-Dichlorobenzene-d4
Concen: 50.00 ug/l
RT: 13.315 min Scan# 3600
Delta R.T. 0.003 min
Lab File: VN065882.D
Acq: 16 Feb 2021 18:56

Tgt Ion:	152	Resp:	89654
Ion	Ratio	Lower	Upper
152	100		
115	60.4	28.5	85.6
150	156.8	0.0	347.6

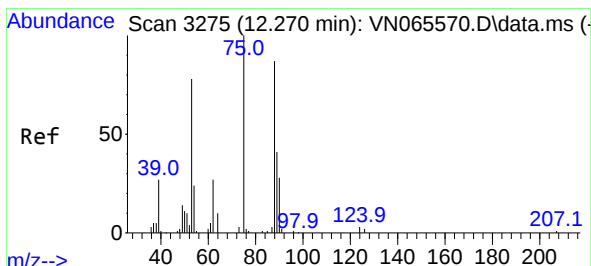
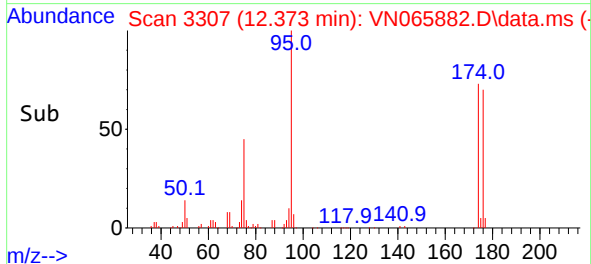
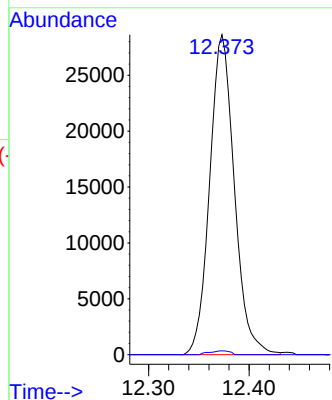
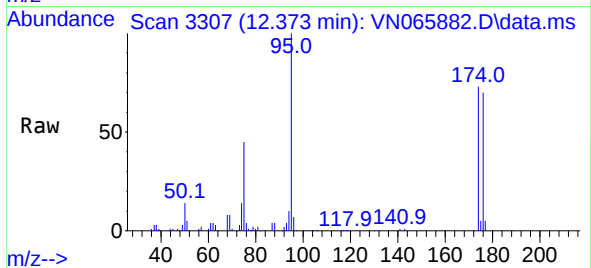




#76
1,2,3-Trichloropropane
Concen: 20.83 ug/l
RT: 12.373 min Scan# 3307
Delta R.T. -0.151 min
Lab File: VN065882.D
Acq: 16 Feb 2021 18:56

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

Tgt Ion: 75 Resp: 48838
Ion Ratio Lower Upper
75 100
77 1.0 0.0 0.0#



#81
trans-1,4-Dichloro-2-butene
Concen: 53.36 ug/l
RT: 12.373 min Scan# 3307
Delta R.T. 0.103 min
Lab File: VN065882.D
Acq: 16 Feb 2021 18:56

Tgt Ion: 75 Resp: 48838
Ion Ratio Lower Upper
75 100
53 0.0 74.6 111.8#
89 0.0 35.8 53.8#

