

Data Path : Z:\voasrv\HPCHEM1\MSVOA_N\Data\VN121420\
 Data File : VN065136.D
 Acq On : 15 Dec 2020 6:06
 Operator : JC/MD
 Sample : L5053-15
 Misc : 5.00mL/MSVOA_N/WATER
 ALS Vial : 52 Sample Multiplier: 1

Instrument :
 MSVOA_N
 ClientSampleId :

Quant Time: Dec 15 06:47:55 2020
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA_N\methods\82N121420W.M
 Quant Title : SW846 8260
 QLast Update : Tue Dec 15 05:41:47 2020
 Response via : Initial Calibration

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

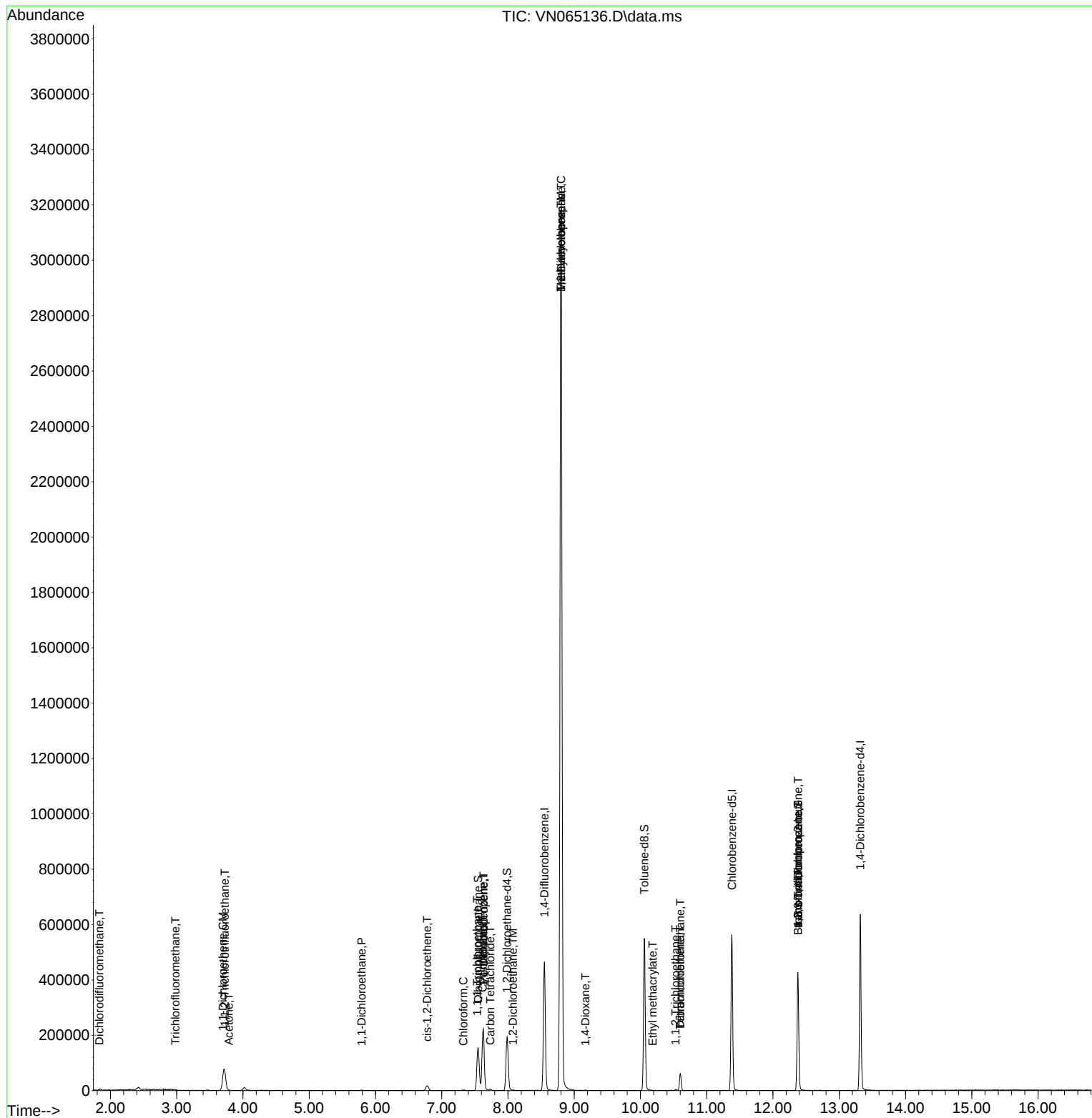
Internal Standards						
1) Pentafluorobenzene	7.627	168	164327	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	8.550	114	416316	50.00	ug/l	0.00
63) Chlorobenzene-d5	11.380	117	284178	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.318	152	166368	50.00	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	7.987	65	173508	91.84	ug/l	0.00
Spiked Amount 50.000	Range 61 - 141		Recovery = 183.68%#			
35) Dibromofluoromethane	7.550	113	111238	38.44	ug/l	0.00
Spiked Amount 50.000	Range 69 - 133		Recovery = 76.88%			
50) Toluene-d8	10.058	98	355567	34.75	ug/l	0.00
Spiked Amount 50.000	Range 65 - 126		Recovery = 69.50%			
62) 4-Bromofluorobenzene	12.376	95	132446	37.58	ug/l	0.00
Spiked Amount 50.000	Range 58 - 135		Recovery = 75.16%			
Target Compounds						Qvalue
2) Dichlorodifluoromethane	1.833	85	1279	0.79	ug/l	94
3) Chloromethane	2.039	50	189	Below Cal	#	41
5) Bromomethane	2.531	94	132	Below Cal	#	3
7) Trichlorofluoromethane	2.981	101	1162	0.42	ug/l	# 80
9) 1,1,2-Trichlorotrifluo...	3.727	101	38616	23.78	ug/l	92
12) 1,1-Dichloroethene	3.698	96	10108	6.68	ug/l	# 76
16) Acetone	3.785	43	503	0.71	ug/l	# 56
20) Methylene Chloride	4.502	84	141	Below Cal	#	44
24) 1,1-Dichloroethane	5.791	63	1424	0.48	ug/l	# 82
27) cis-1,2-Dichloroethene	6.782	96	10489	5.86	ug/l	86
30) Chloroform	7.328	83	2565	0.82	ug/l	# 81
31) Cyclohexane	7.618	56	4760	1.85	ug/l	# 36
32) 1,1,1-Trichloroethane	7.534	97	1706	0.61	ug/l	# 34
36) 1,1-Dichloropropene	7.631	75	14815	3.73	ug/l	# 45
38) Carbon Tetrachloride	7.733	117	3032	0.66	ug/l	# 95
39) Methylcyclohexane	8.804	83	15342	3.55	ug/l	# 1
42) 1,2-Dichloroethane	8.077	62	1109	0.26	ug/l	# 73
44) Trichloroethene	8.801	130	1142941	331.30	ug/l	99
45) 1,2-Dichloropropane	8.804	63	3039	0.98	ug/l	# 1
49) 1,4-Dioxane	9.171	88	1119	28.03	ug/l	# 87
55) 1,1,2-Trichloroethane	10.531	97	1037	0.36	ug/l	# 86
56) Ethyl methacrylate	10.183	69	29	1.78	ug/l	# 1
60) Dibromochloromethane	10.601	129	12410	3.63	ug/l	# 10
64) Tetrachloroethene	10.598	164	12372	4.39	ug/l	# 88
71) Bromoform	12.380	173	1736	0.95	ug/l	# 1
76) 1,2,3-Trichloropropane	12.376	75	78382	26.26	ug/l	# 100
81) trans-1,4-Dichloro-2-b...	12.376	75	78382	73.06	ug/l	# 15

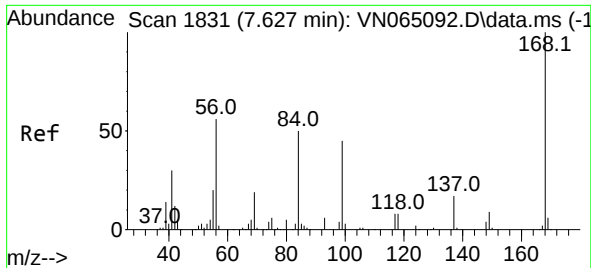
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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Quant Title : SW846 8260
QLast Update : Tue Dec 15 05:41:47 2020
Response via : Initial Calibration

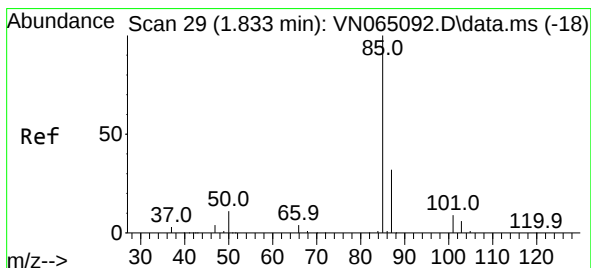
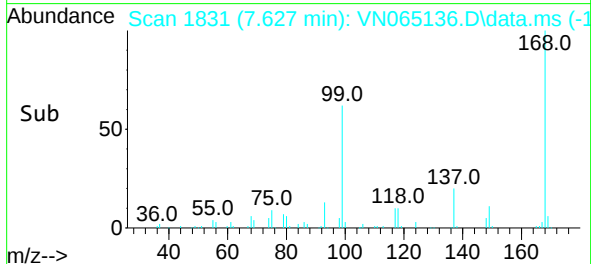
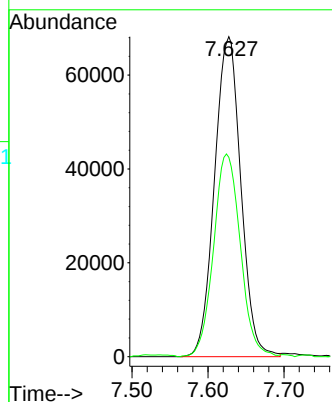
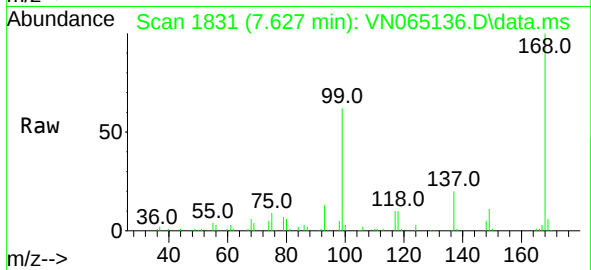




#1
Pentafluorobenzene
Concen: 50.00 ug/l
RT: 7.627 min Scan# 1831
Delta R.T. 0.000 min
Lab File: VN065136.D
Acq: 15 Dec 2020 6:06

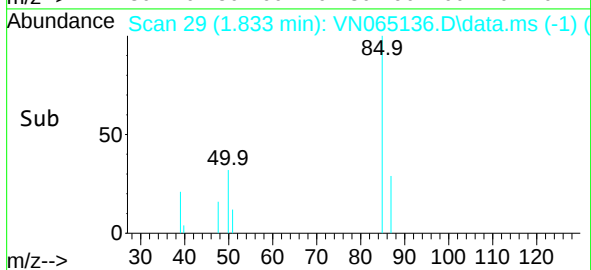
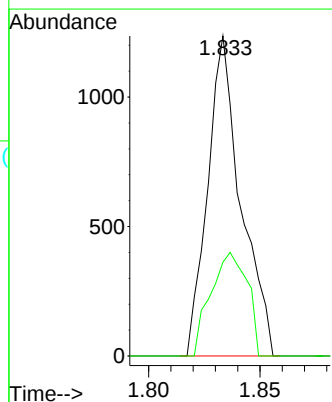
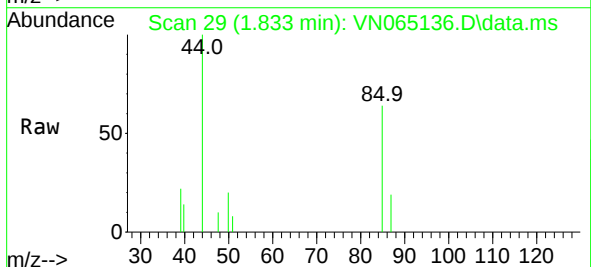
Instrument :
MSVOA_N
ClientSampled :

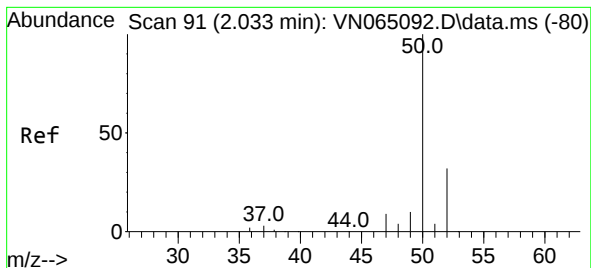
Tgt Ion:168 Resp: 164327
Ion Ratio Lower Upper
168 100
99 62.3 43.0 64.4



#2
Dichlorodifluoromethane
Concen: 0.79 ug/l
RT: 1.833 min Scan# 29
Delta R.T. 0.000 min
Lab File: VN065136.D
Acq: 15 Dec 2020 6:06

Tgt Ion: 85 Resp: 1279
Ion Ratio Lower Upper
85 100
87 29.3 16.4 49.4





#3

Chloromethane

Concen: Below Cal

RT: 2.039 min Scan# 93

Delta R.T. 0.006 min

Lab File: VN065136.D

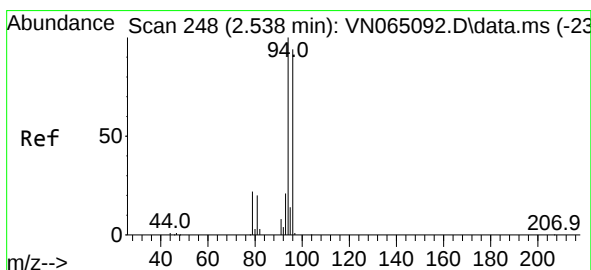
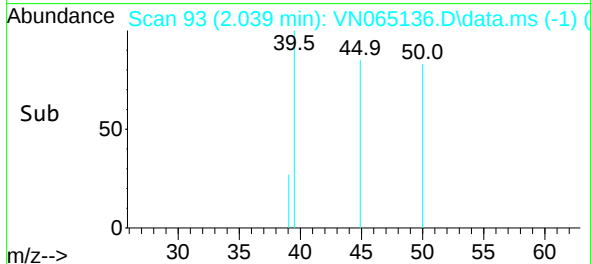
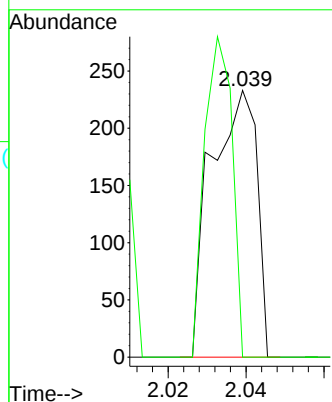
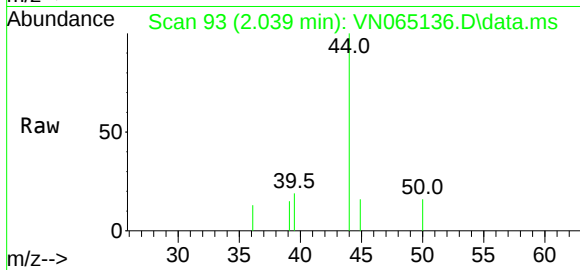
Acq: 15 Dec 2020 6:06

Tgt Ion: 50 Resp: 189

Ion Ratio Lower Upper

50 100

52 0.0 26.6 39.8#



#5

Bromomethane

Concen: Below Cal

RT: 2.531 min Scan# 246

Delta R.T. -0.007 min

Lab File: VN065136.D

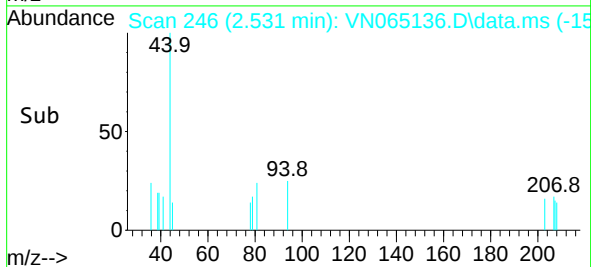
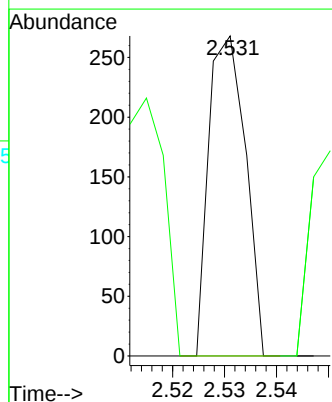
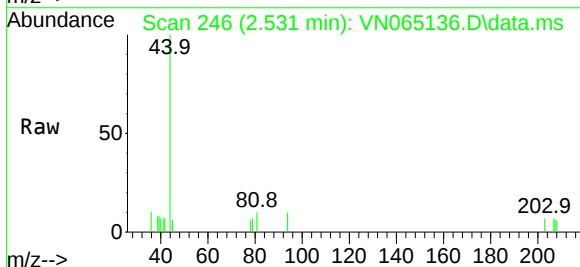
Acq: 15 Dec 2020 6:06

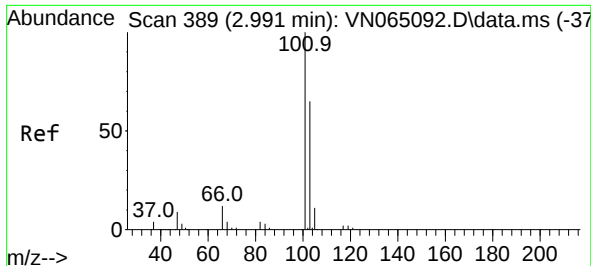
Tgt Ion: 94 Resp: 132

Ion Ratio Lower Upper

94 100

96 0.0 75.4 113.0#

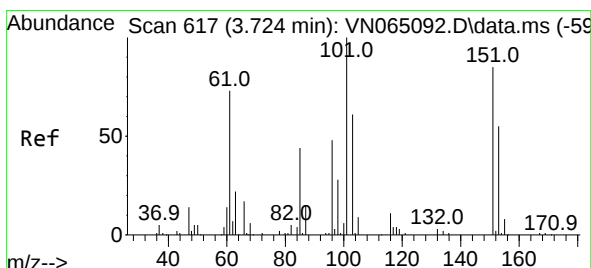
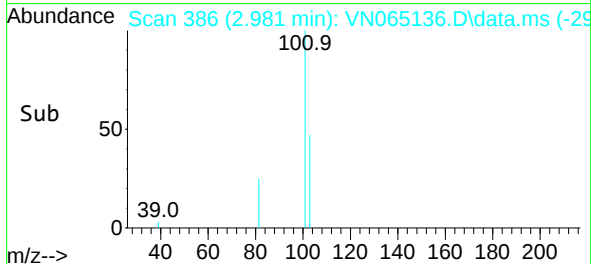
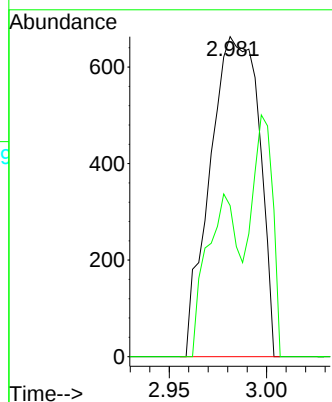
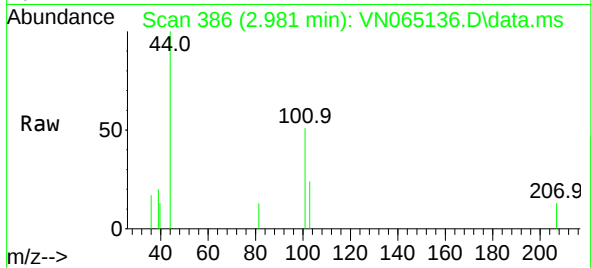




#7
Trichlorofluoromethane
Concen: 0.42 ug/l
RT: 2.981 min Scan# 386
Delta R.T. -0.010 min
Lab File: VN065136.D
Acq: 15 Dec 2020 6:06

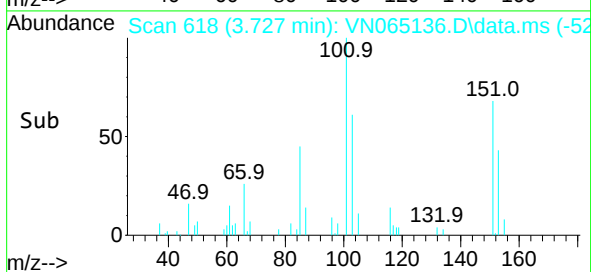
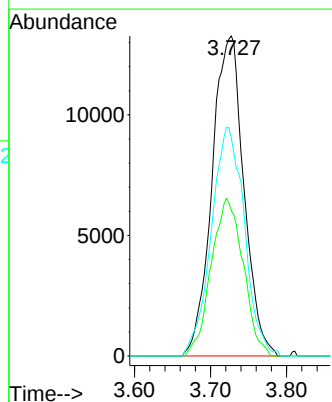
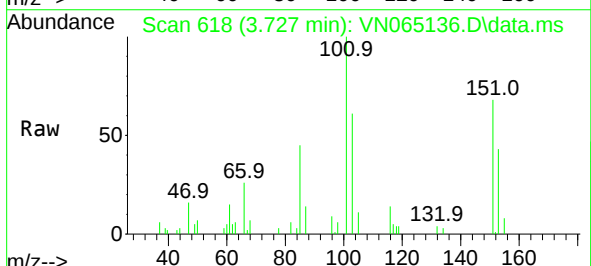
Instrument :
MSVOA_N
ClientSampled :

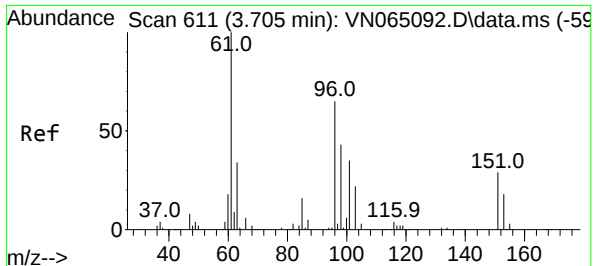
Tgt Ion:101 Resp: 1162
Ion Ratio Lower Upper
101 100
103 47.2 50.5 75.7#



#9
1,1,2-Trichlorotrifluoroethane
Concen: 23.78 ug/l
RT: 3.727 min Scan# 618
Delta R.T. 0.003 min
Lab File: VN065136.D
Acq: 15 Dec 2020 6:06

Tgt Ion:101 Resp: 38616
Ion Ratio Lower Upper
101 100
85 49.4 34.4 51.6
151 74.2 64.0 96.0

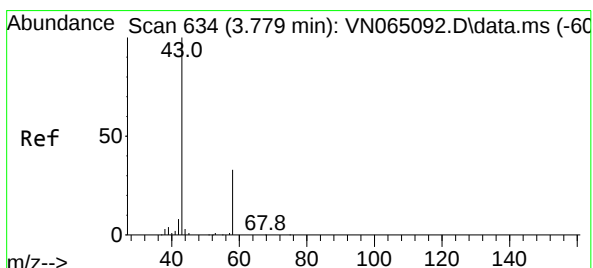
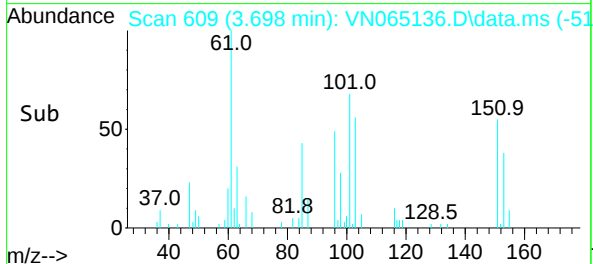
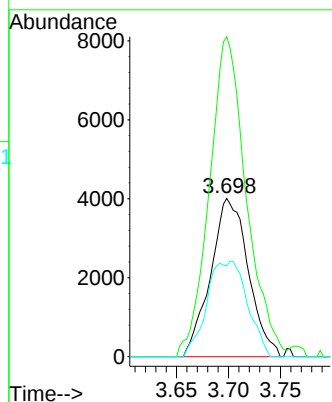
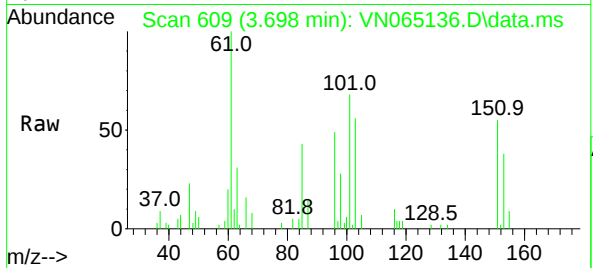




#12
1,1-Dichloroethene
Concen: 6.68 ug/l
RT: 3.698 min Scan# 609
Delta R.T. -0.007 min
Lab File: VN065136.D
Acq: 15 Dec 2020 6:06

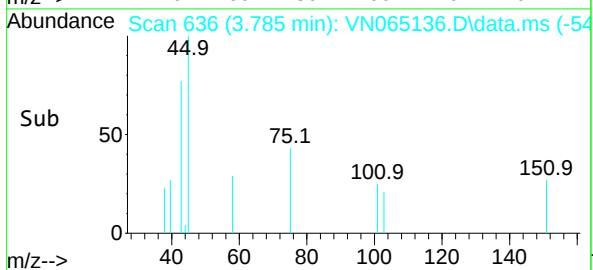
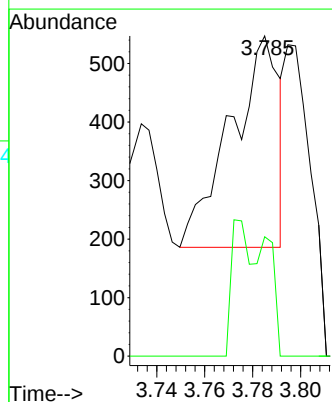
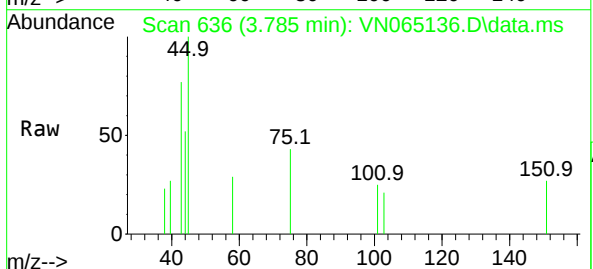
Instrument :
MSVOA_N
ClientSampled :

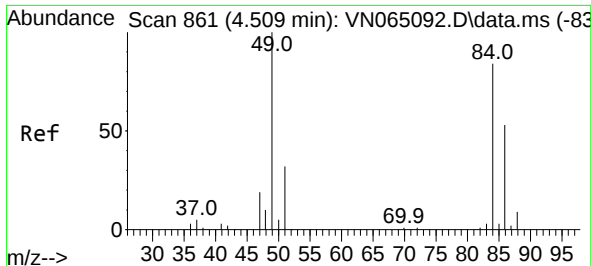
Tgt Ion: 96 Resp: 10108
Ion Ratio Lower Upper
96 100
61 195.2 123.4 185.2#
98 57.5 49.8 74.8



#16
Acetone
Concen: 0.71 ug/l
RT: 3.785 min Scan# 636
Delta R.T. 0.006 min
Lab File: VN065136.D
Acq: 15 Dec 2020 6:06

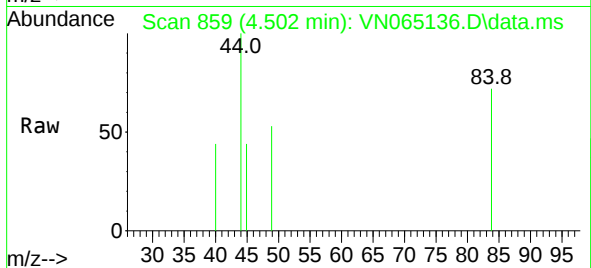
Tgt Ion: 43 Resp: 503
Ion Ratio Lower Upper
43 100
58 56.5 25.7 38.5#





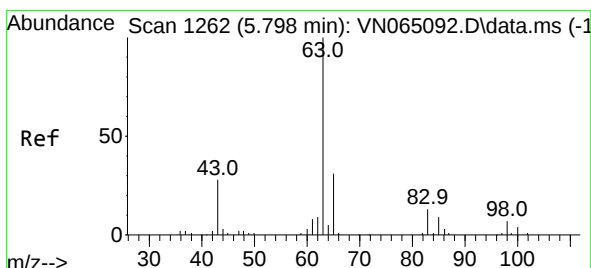
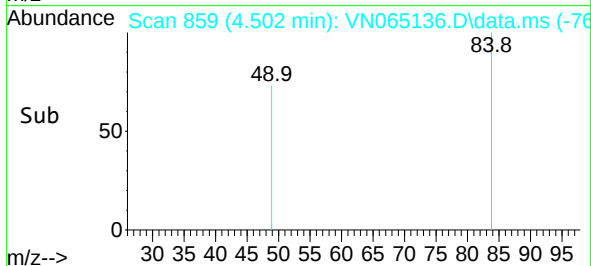
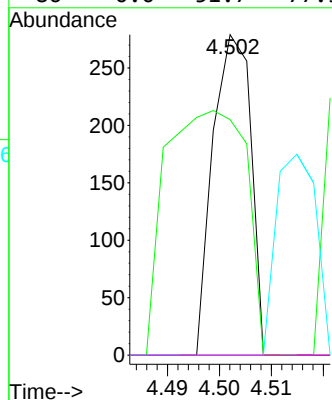
#20
Methylene Chloride
Concen: Below Cal
RT: 4.502 min Scan# 859
Delta R.T. -0.007 min
Lab File: VN065136.D
Acq: 15 Dec 2020 6:06

Instrument :
MSVOA_N
ClientSampled :



Tgt Ion: 84 Resp: 141

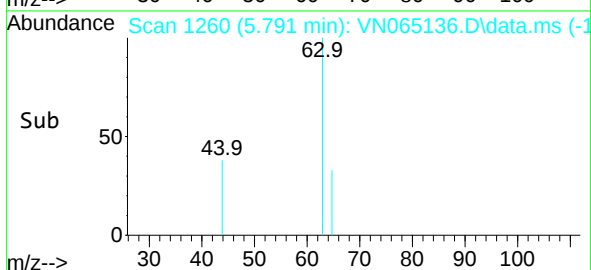
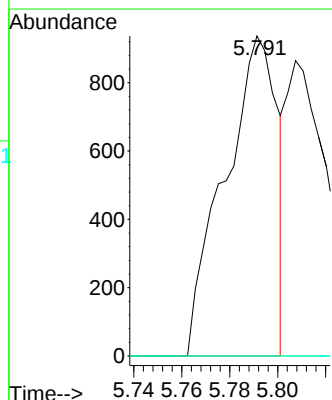
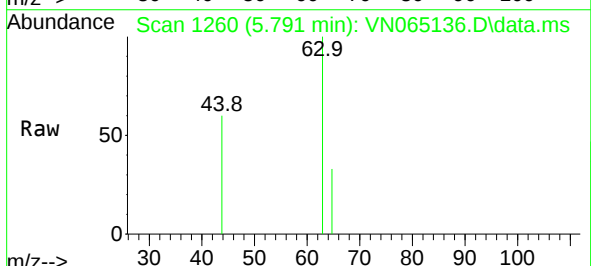
Ion	Ratio	Lower	Upper
84	100		
49	73.5	93.4	140.0#
51	0.0	28.2	42.4#
86	0.0	51.7	77.5#

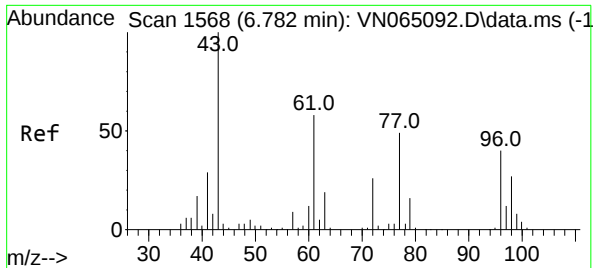


#24
1,1-Dichloroethane
Concen: 0.48 ug/l
RT: 5.791 min Scan# 1260
Delta R.T. -0.007 min
Lab File: VN065136.D
Acq: 15 Dec 2020 6:06

Tgt Ion: 63 Resp: 1424

Ion	Ratio	Lower	Upper
63	100		
98	0.0	3.5	10.5#
100	0.0	2.3	6.8#

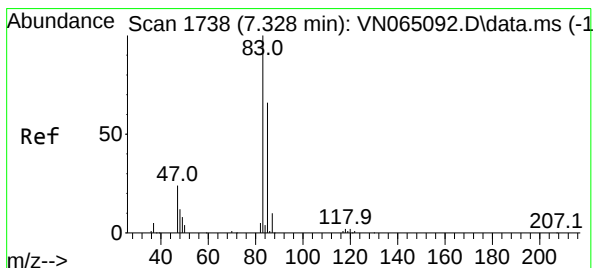
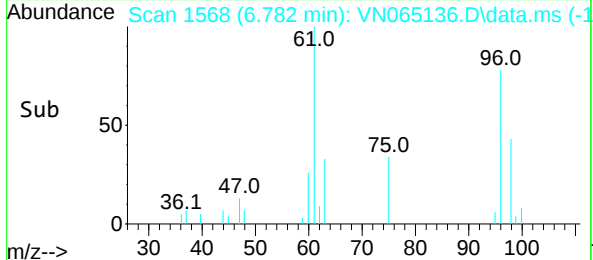
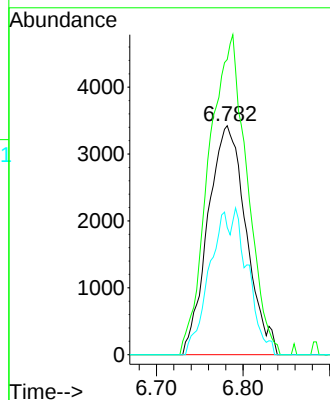
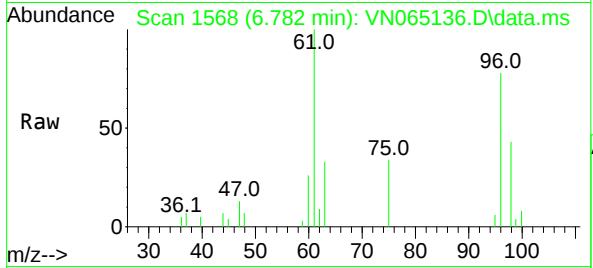




#27
cis-1,2-Dichloroethene
Concen: 5.86 ug/l
RT: 6.782 min Scan# 1568
Delta R.T. -0.000 min
Lab File: VN065136.D
Acq: 15 Dec 2020 6:06

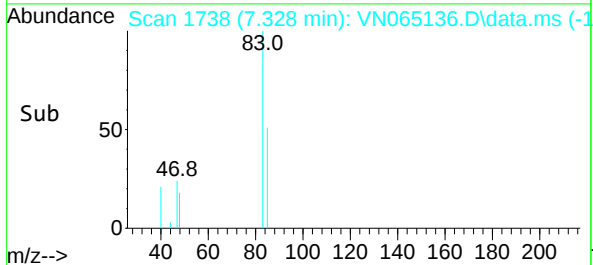
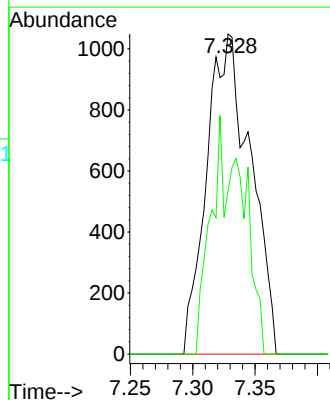
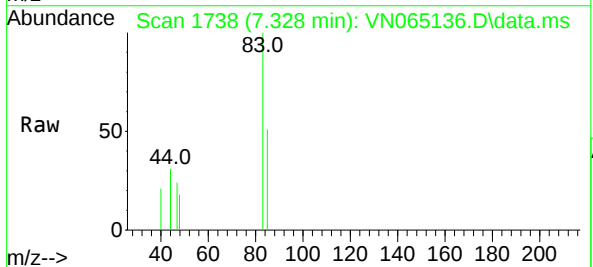
Instrument :
MSVOA_N
ClientSampled :

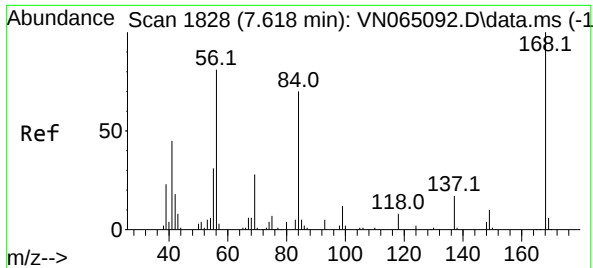
Tgt Ion: 96	Resp: 10489
Ion Ratio	Lower Upper
96 100	
61 139.8	0.0 285.8
98 34.4	0.0 130.6



#30
Chloroform
Concen: 0.82 ug/l
RT: 7.328 min Scan# 1738
Delta R.T. 0.000 min
Lab File: VN065136.D
Acq: 15 Dec 2020 6:06

Tgt Ion: 83	Resp: 2565
Ion Ratio	Lower Upper
83 100	
85 51.0	52.6 78.8#

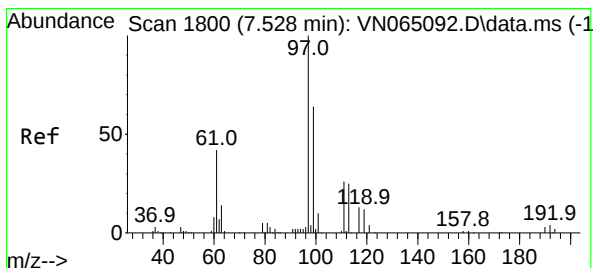
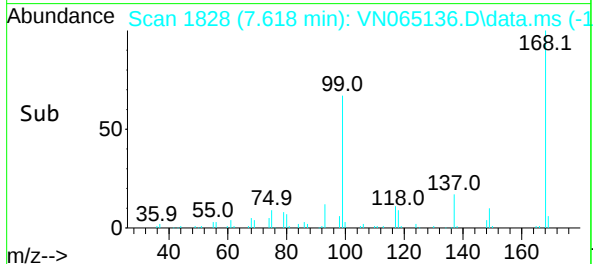
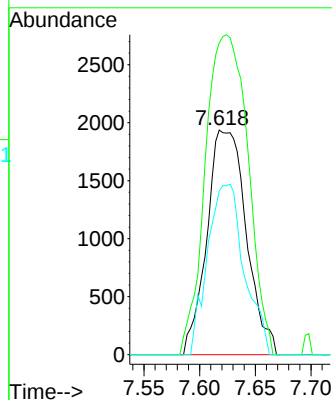
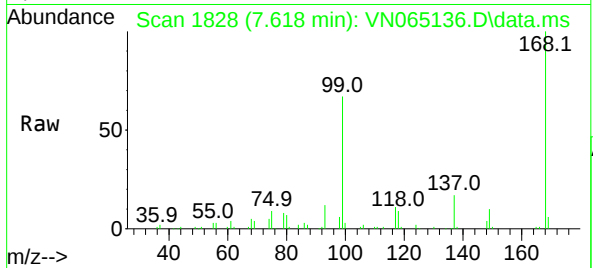




#31
Cyclohexane
Concen: 1.85 ug/l
RT: 7.618 min Scan# 1828
Delta R.T. -0.000 min
Lab File: VN065136.D
Acq: 15 Dec 2020 6:06

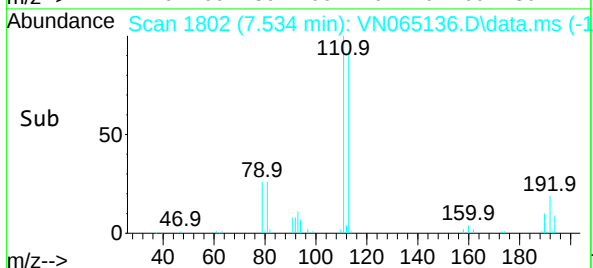
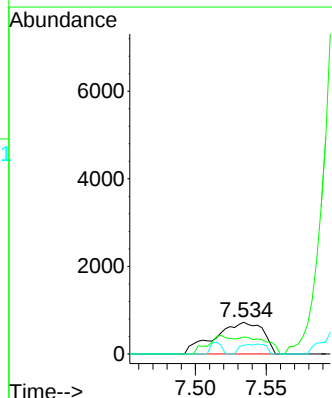
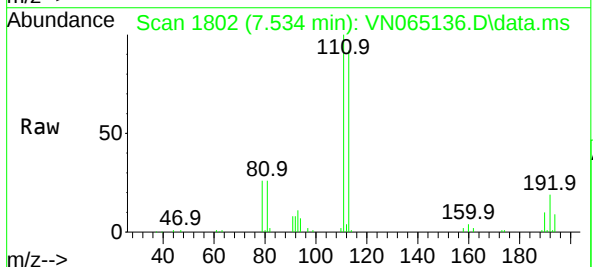
Instrument :
MSVOA_N
ClientSampled :

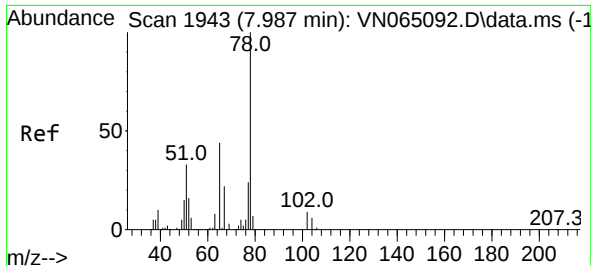
Tgt Ion: 56 Resp: 4760
Ion Ratio Lower Upper
56 100
69 138.9 27.5 41.3#
84 72.9 73.9 110.9#



#32
1,1,1-Trichloroethane
Concen: 0.61 ug/l
RT: 7.534 min Scan# 1802
Delta R.T. 0.006 min
Lab File: VN065136.D
Acq: 15 Dec 2020 6:06

Tgt Ion: 97 Resp: 1706
Ion Ratio Lower Upper
97 100
99 0.0 51.7 77.5#
61 16.1 33.9 50.9#

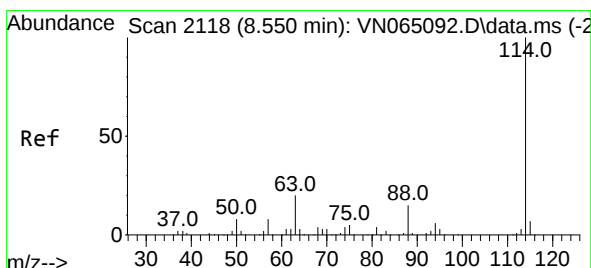
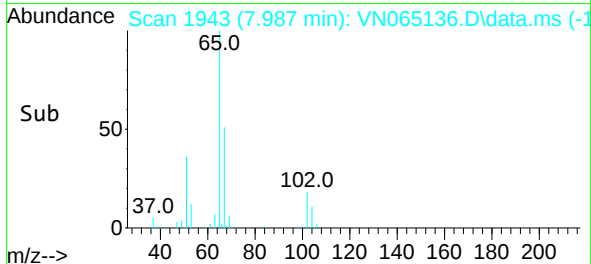
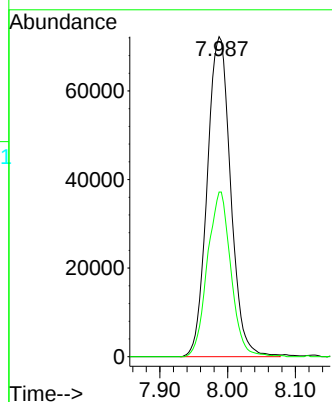
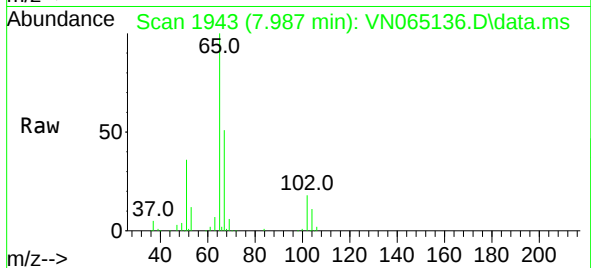




#33
1,2-Dichloroethane-d4
Concen: 91.84 ug/l
RT: 7.987 min Scan# 1943
Delta R.T. 0.000 min
Lab File: VN065136.D
Acq: 15 Dec 2020 6:06

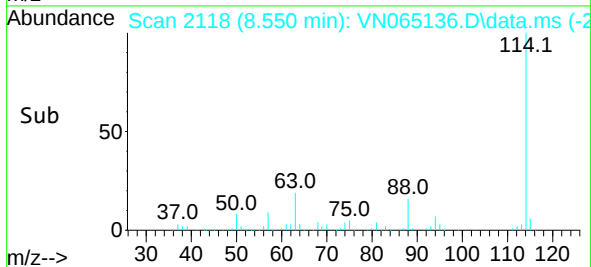
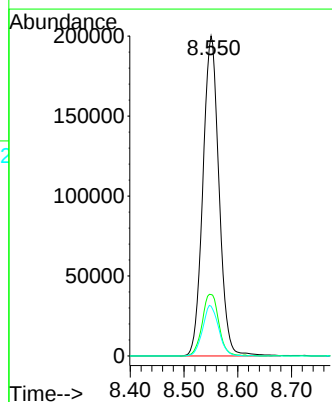
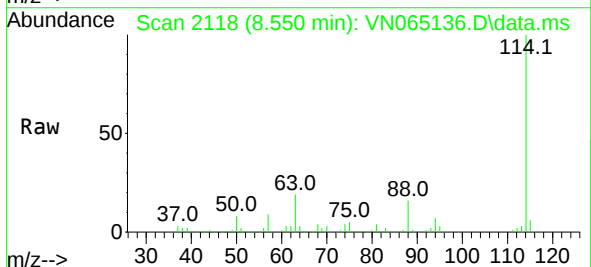
Instrument :
MSVOA_N
ClientSampled :

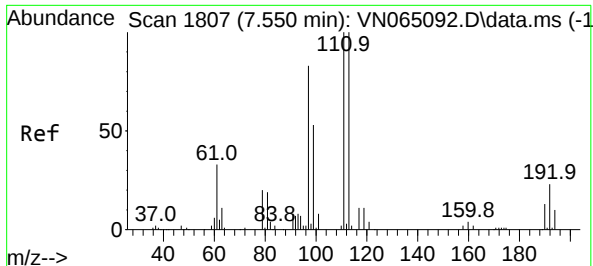
Tgt Ion: 65 Resp: 173508
Ion Ratio Lower Upper
65 100
67 51.5 0.0 108.2



#34
1,4-Difluorobenzene
Concen: 50.00 ug/l
RT: 8.550 min Scan# 2118
Delta R.T. 0.000 min
Lab File: VN065136.D
Acq: 15 Dec 2020 6:06

Tgt Ion: 114 Resp: 416316
Ion Ratio Lower Upper
114 100
63 19.2 0.0 38.6
88 15.6 0.0 32.6

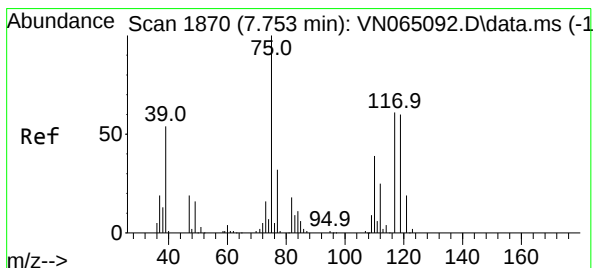
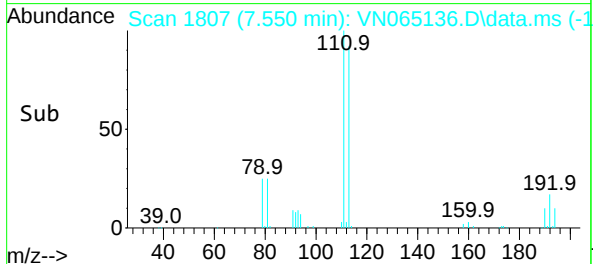
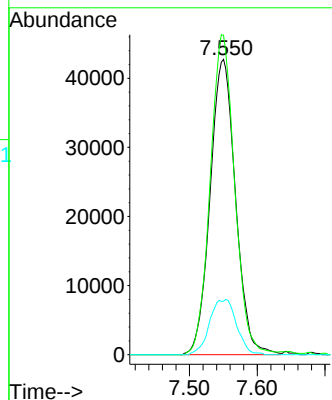
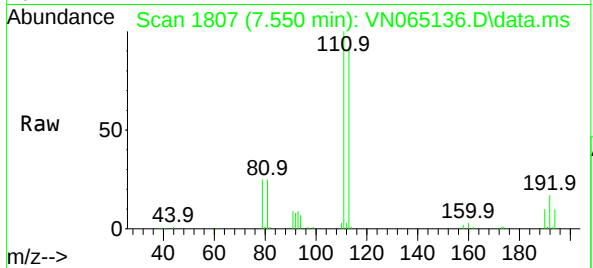




#35
Dibromofluoromethane
Concen: 38.44 ug/l
RT: 7.550 min Scan# 1807
Delta R.T. 0.000 min
Lab File: VN065136.D
Acq: 15 Dec 2020 6:06

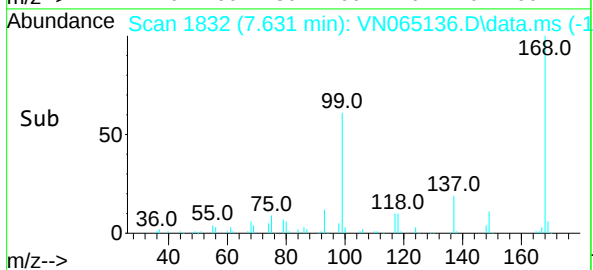
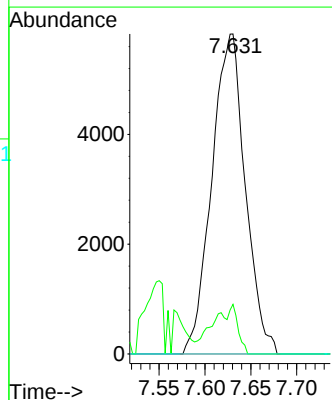
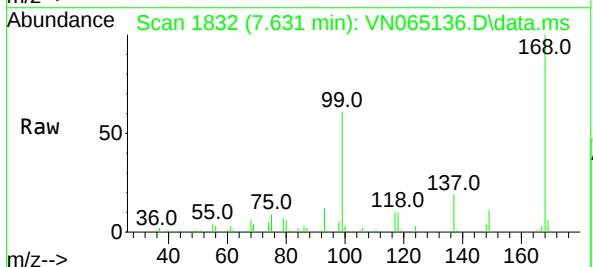
Instrument :
MSVOA_N
ClientSampled :

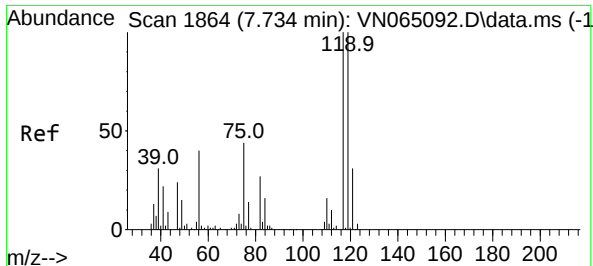
Tgt Ion:113 Resp: 111238
Ion Ratio Lower Upper
113 100
111 104.3 81.6 122.4
192 19.8 16.2 24.2



#36
1,1-Dichloropropene
Concen: 3.73 ug/l
RT: 7.631 min Scan# 1832
Delta R.T. -0.122 min
Lab File: VN065136.D
Acq: 15 Dec 2020 6:06

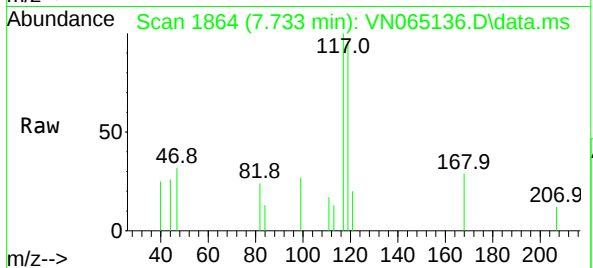
Tgt Ion: 75 Resp: 14815
Ion Ratio Lower Upper
75 100
110 4.1 17.8 53.3#
77 0.0 25.0 37.4#



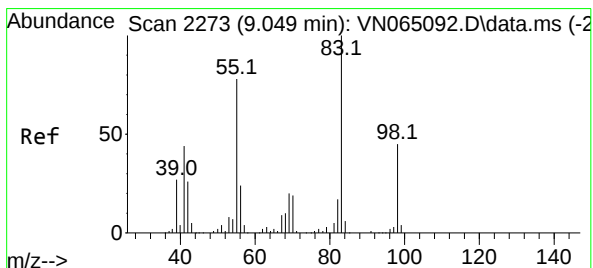
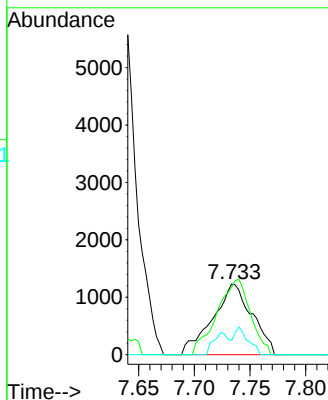
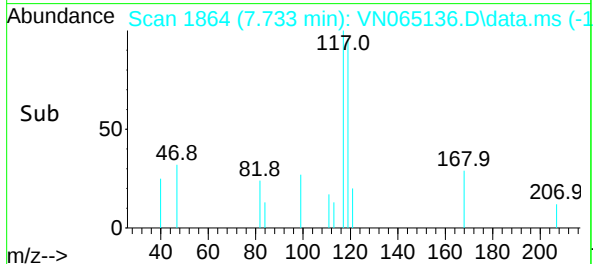


#38
Carbon Tetrachloride
Concen: 0.66 ug/l
RT: 7.733 min Scan# 1864
Delta R.T. -0.001 min
Lab File: VN065136.D
Acq: 15 Dec 2020 6:06

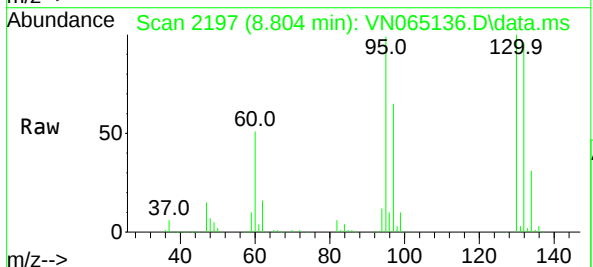
Instrument :
MSVOA_N
ClientSampleId :



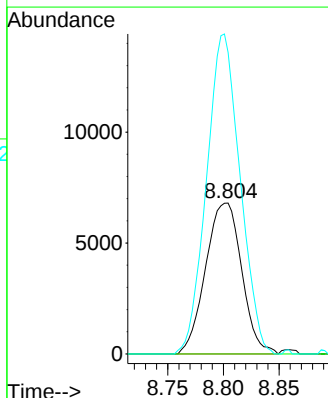
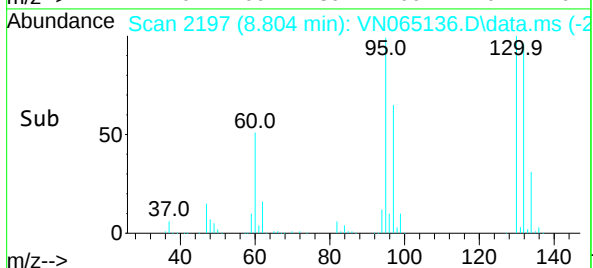
Tgt Ion:117 Resp: 3032
Ion Ratio Lower Upper
117 100
119 95.5 76.7 115.1
121 20.3 25.4 38.2#

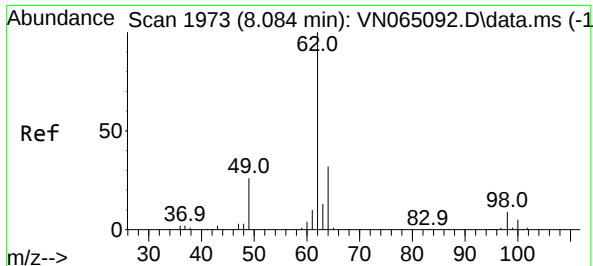


#39
Methylcyclohexane
Concen: 3.55 ug/l
RT: 8.804 min Scan# 2197
Delta R.T. -0.245 min
Lab File: VN065136.D
Acq: 15 Dec 2020 6:06



Tgt Ion: 83 Resp: 15342
Ion Ratio Lower Upper
83 100
55 0.0 60.2 90.2#
98 199.7 37.4 56.2#





#42

1,2-Dichloroethane

Concen: 0.26 ug/l

RT: 8.077 min Scan# 1971

Delta R.T. -0.007 min

Lab File: VN065136.D

Acq: 15 Dec 2020 6:06

Tgt Ion: 62 Resp: 1109

Ion Ratio Lower Upper

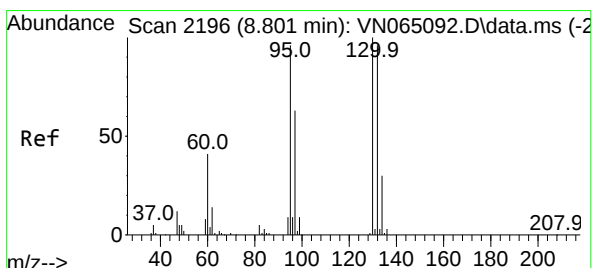
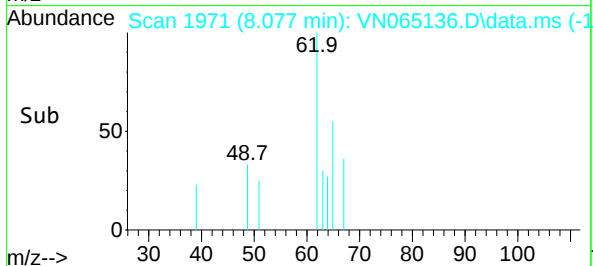
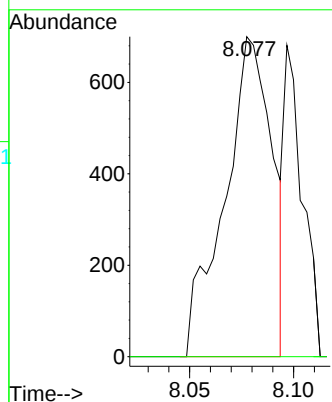
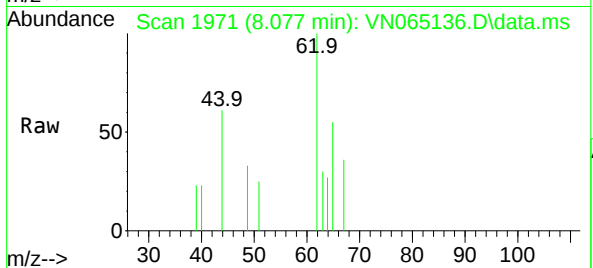
62 100

98 0.0 0.0 19.6

Instrument :

MSVOA_N

ClientSampled :



#44

Trichloroethene

Concen: 331.30 ug/l

RT: 8.801 min Scan# 2196

Delta R.T. -0.000 min

Lab File: VN065136.D

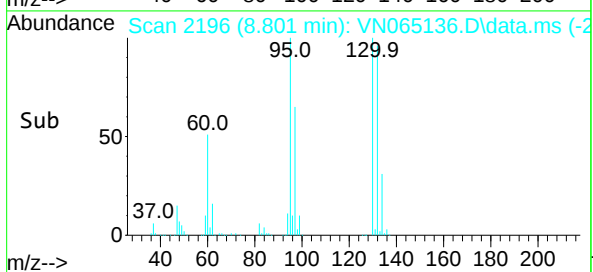
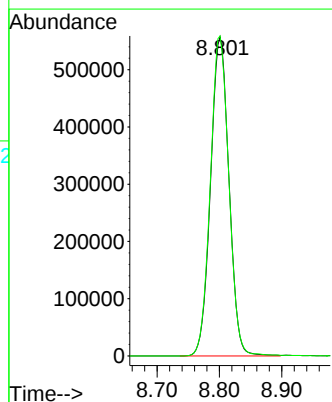
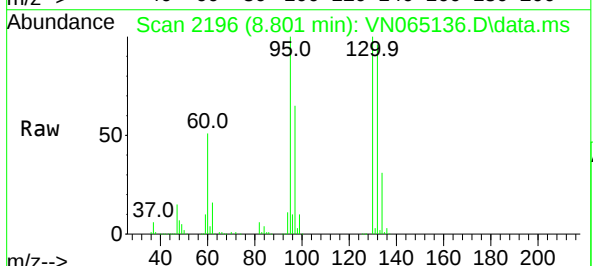
Acq: 15 Dec 2020 6:06

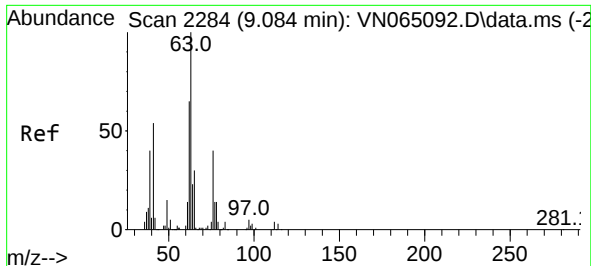
Tgt Ion:130 Resp: 1142941

Ion Ratio Lower Upper

130 100

95 100.3 0.0 197.8

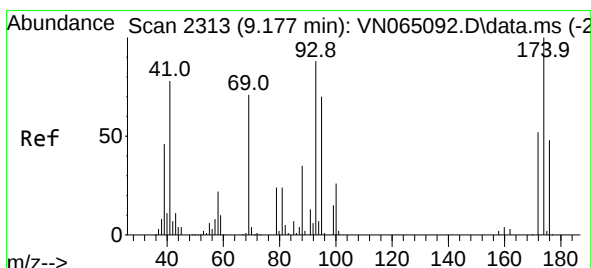
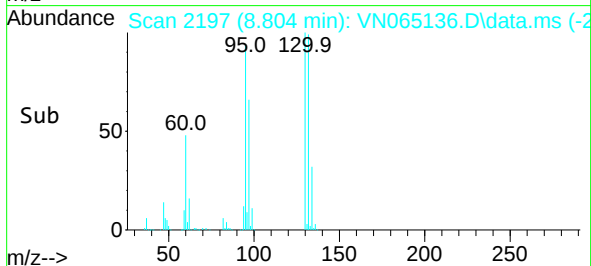
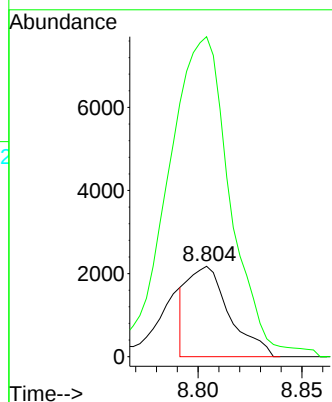
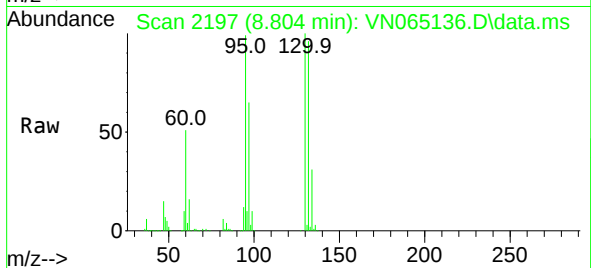




#45
1,2-Dichloropropane
Concen: 0.98 ug/l
RT: 8.804 min Scan# 2197
Delta R.T. -0.280 min
Lab File: VN065136.D
Acq: 15 Dec 2020 6:06

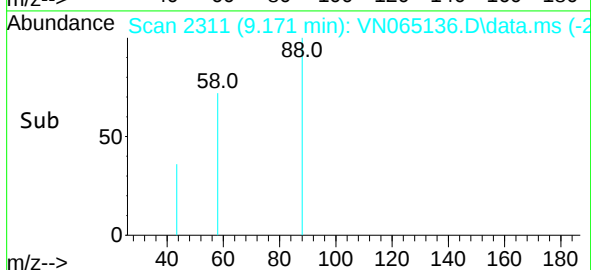
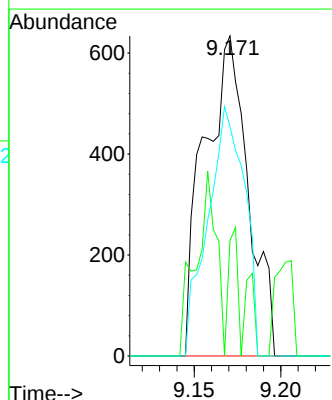
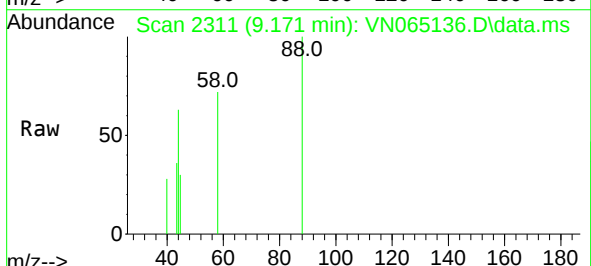
Instrument :
MSVOA_N
ClientSampled :

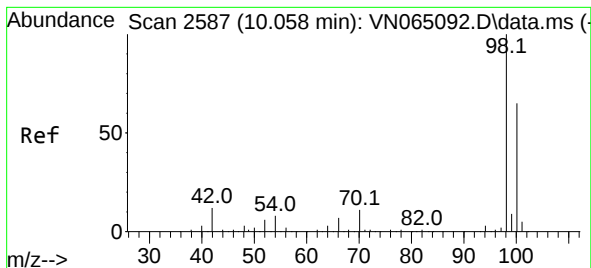
Tgt Ion: 63 Resp: 3039
Ion Ratio Lower Upper
63 100
65 342.7 25.0 37.4#



#49
1,4-Dioxane
Concen: 28.03 ug/l
RT: 9.171 min Scan# 2311
Delta R.T. -0.006 min
Lab File: VN065136.D
Acq: 15 Dec 2020 6:06

Tgt Ion: 88 Resp: 1119
Ion Ratio Lower Upper
88 100
43 8.3 24.2 36.4#
58 65.4 52.5 78.7

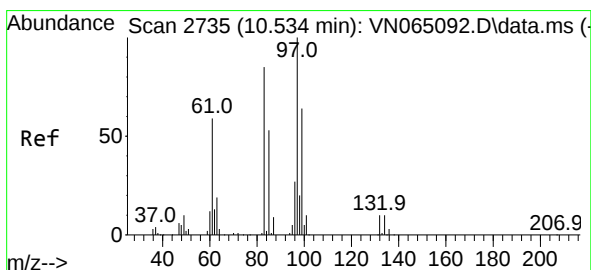
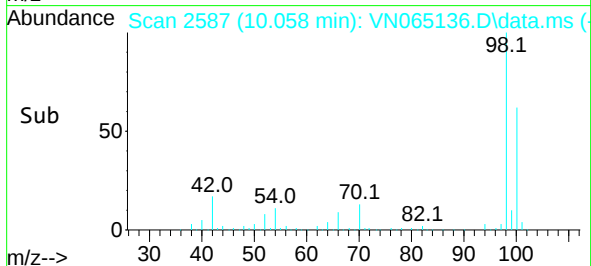
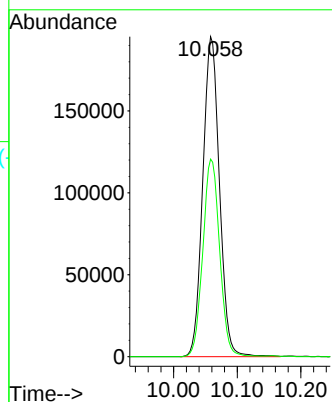
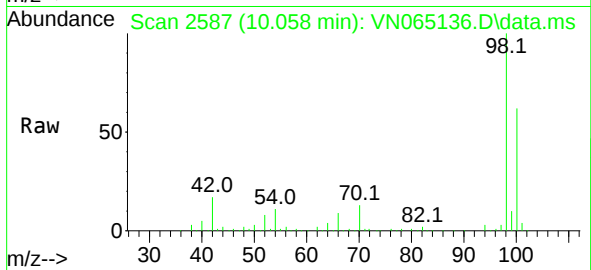




#50
Toluene-d8
Concen: 34.75 ug/l
RT: 10.058 min Scan# 2587
Delta R.T. 0.000 min
Lab File: VN065136.D
Acq: 15 Dec 2020 6:06

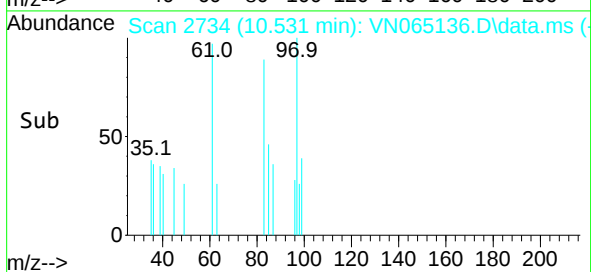
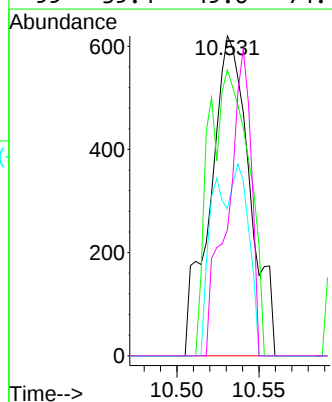
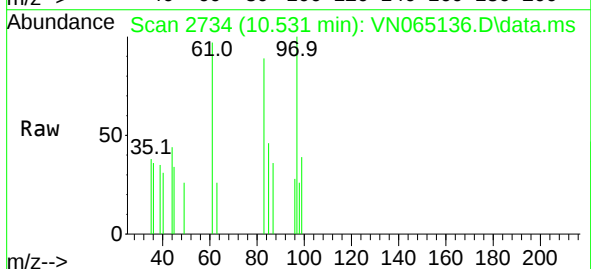
Instrument :
MSVOA_N
ClientSampled :

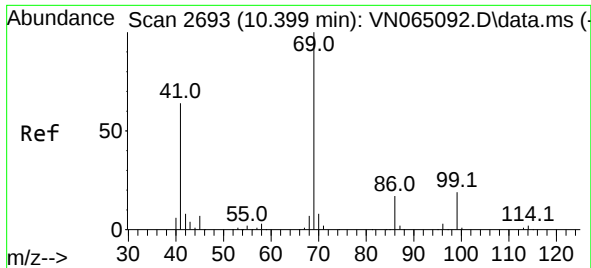
Tgt Ion: 98 Resp: 355567
Ion Ratio Lower Upper
98 100
100 62.2 51.7 77.5



#55
1,1,2-Trichloroethane
Concen: 0.36 ug/l
RT: 10.531 min Scan# 2734
Delta R.T. -0.003 min
Lab File: VN065136.D
Acq: 15 Dec 2020 6:06

Tgt Ion: 97 Resp: 1037
Ion Ratio Lower Upper
97 100
83 89.4 72.1 108.1
85 46.0 46.8 70.2#
99 39.4 49.6 74.4#

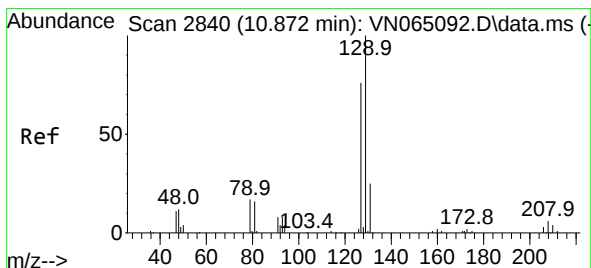
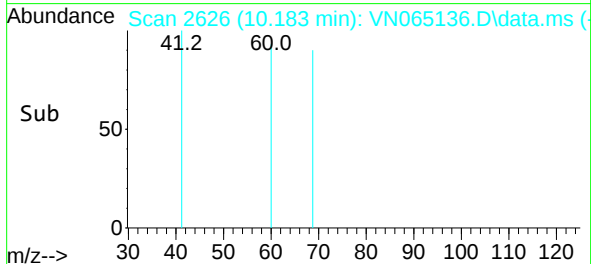
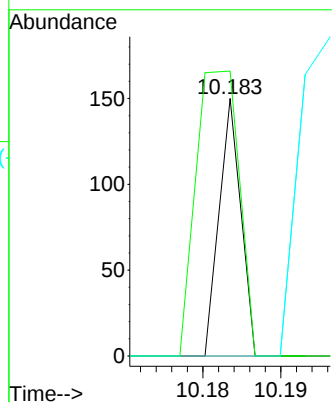
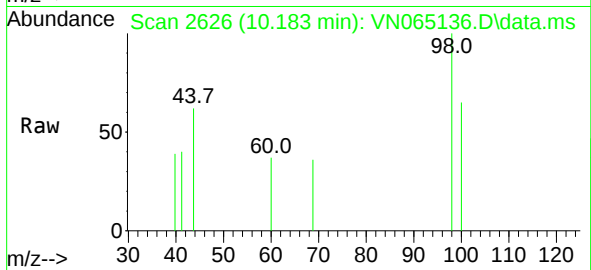




#56
Ethyl methacrylate
Concen: 1.78 ug/l
RT: 10.183 min Scan# 2626
Delta R.T. -0.216 min
Lab File: VN065136.D
Acq: 15 Dec 2020 6:06

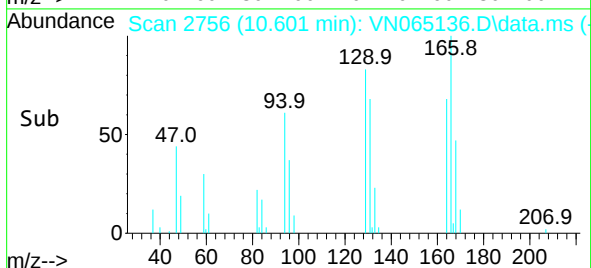
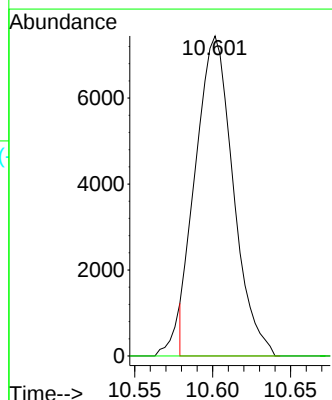
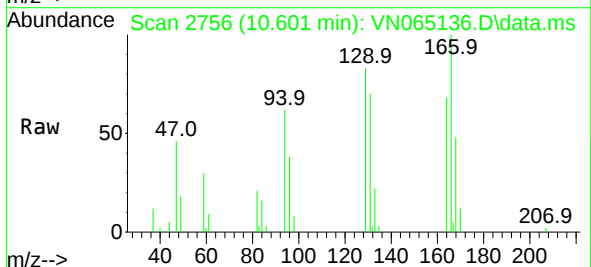
Instrument :
MSVOA_N
ClientSampled :

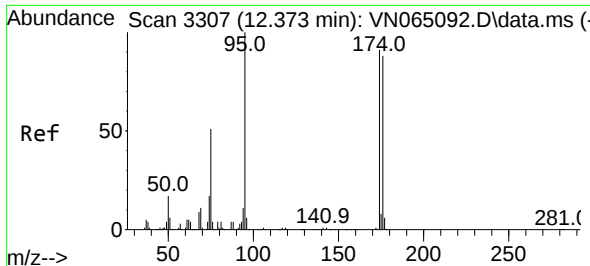
Tgt Ion: 69 Resp: 29
Ion Ratio Lower Upper
69 100
41 220.7 49.4 74.0#
39 600.0 25.9 38.9#



#60
Dibromochloromethane
Concen: 3.63 ug/l
RT: 10.601 min Scan# 2756
Delta R.T. -0.271 min
Lab File: VN065136.D
Acq: 15 Dec 2020 6:06

Tgt Ion: 129 Resp: 12410
Ion Ratio Lower Upper
129 100
127 0.0 39.1 117.2#

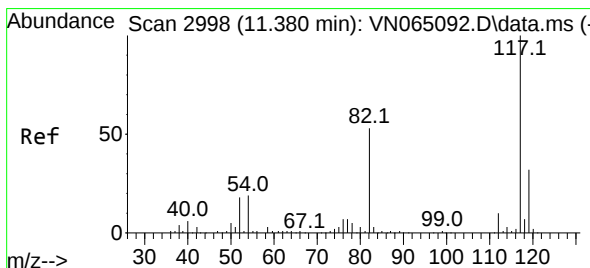
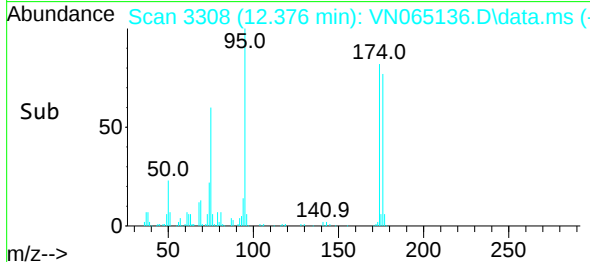
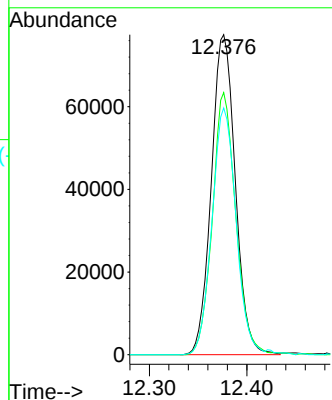
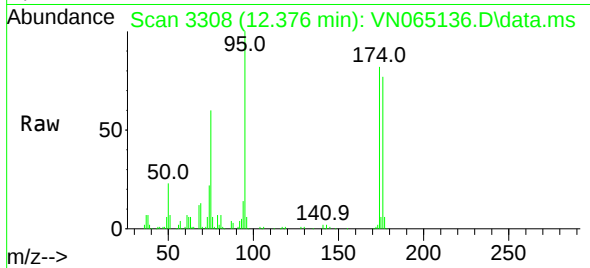




#62
4-Bromofluorobenzene
Concen: 37.58 ug/l
RT: 12.376 min Scan# 3308
Delta R.T. 0.003 min
Lab File: VN065136.D
Acq: 15 Dec 2020 6:06

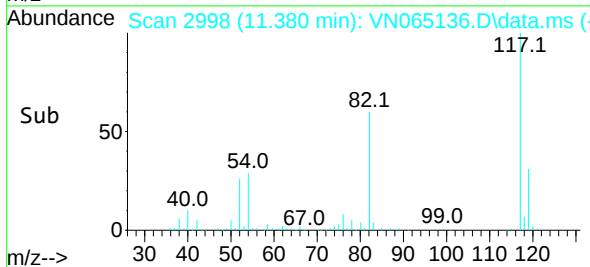
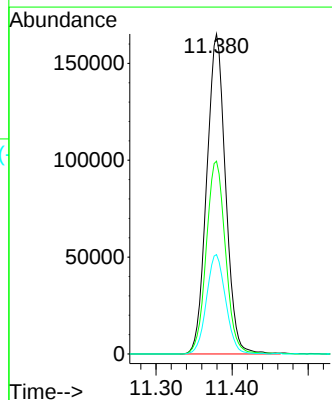
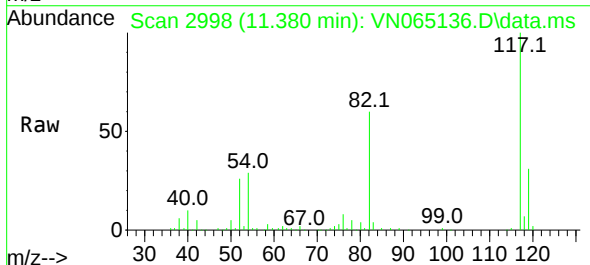
Instrument :
MSVOA_N
ClientSampled :

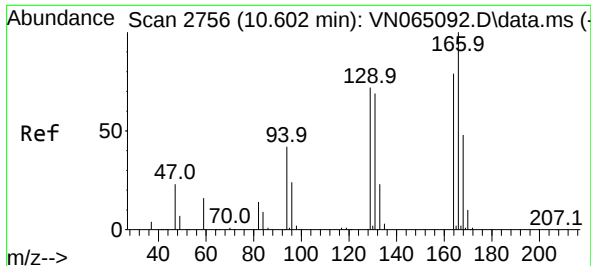
Tgt Ion: 95 Resp: 132446
Ion Ratio Lower Upper
95 100
174 80.1 0.0 160.4
176 77.2 0.0 158.4



#63
Chlorobenzene-d5
Concen: 50.00 ug/l
RT: 11.380 min Scan# 2998
Delta R.T. -0.000 min
Lab File: VN065136.D
Acq: 15 Dec 2020 6:06

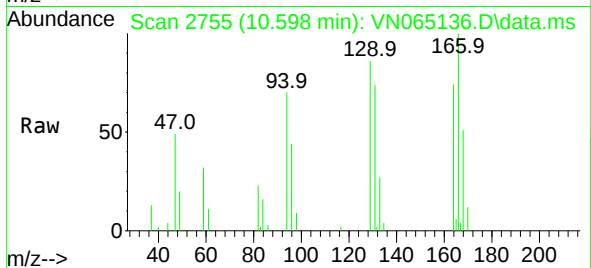
Tgt Ion: 117 Resp: 284178
Ion Ratio Lower Upper
117 100
82 60.3 44.2 66.2
119 31.1 25.8 38.6



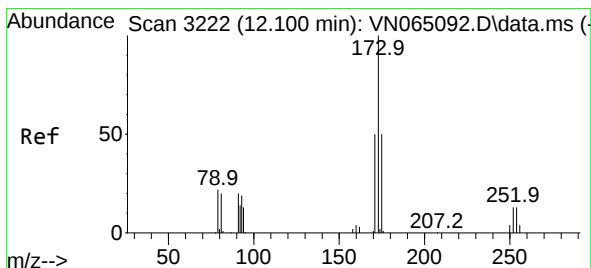
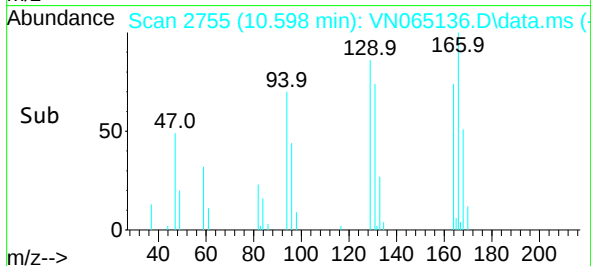
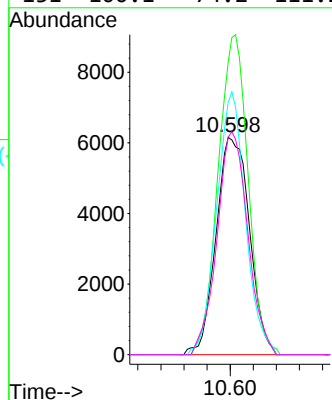


#64
Tetrachloroethene
Concen: 4.39 ug/l
RT: 10.598 min Scan# 2755
Delta R.T. -0.004 min
Lab File: VN065136.D
Acq: 15 Dec 2020 6:06

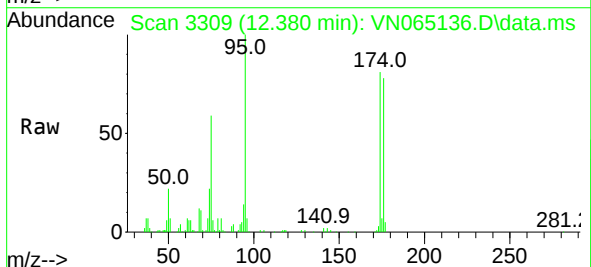
Instrument :
MSVOA_N
ClientSampled :



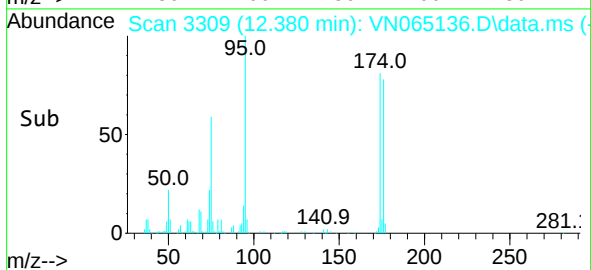
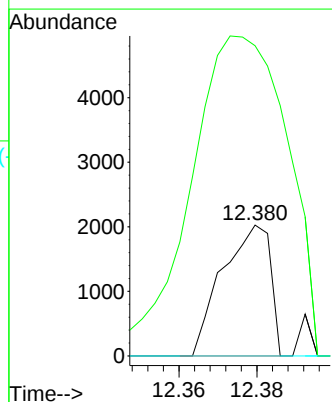
Tgt Ion:164	Resp:	12372
Ion Ratio	Lower	Upper
164	100	
166	134.6	101.4 152.0
129	116.2	76.1 114.1#
131	100.1	74.2 111.2

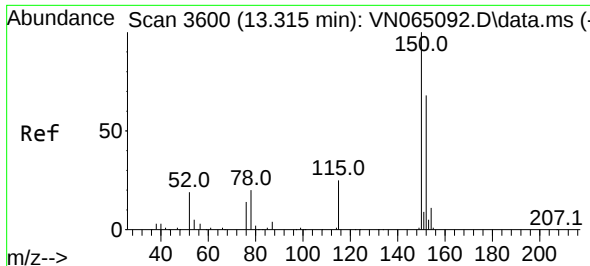


#71
Bromoform
Concen: 0.95 ug/l
RT: 12.380 min Scan# 3309
Delta R.T. 0.280 min
Lab File: VN065136.D
Acq: 15 Dec 2020 6:06



Tgt Ion:173	Resp:	1736
Ion Ratio	Lower	Upper
173	100	
175	436.9	24.3 72.8#
254	0.0	0.0 0.0

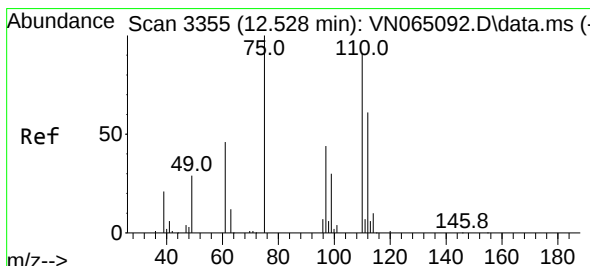
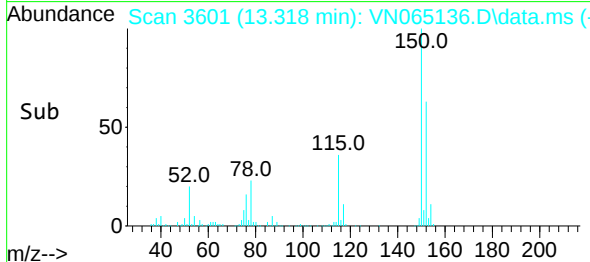
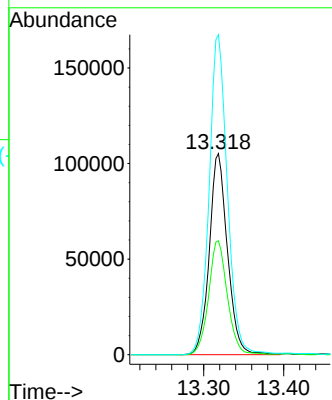
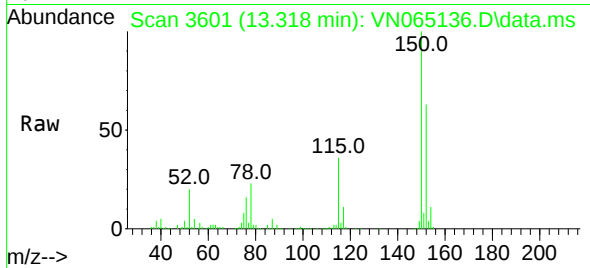




#72
1,4-Dichlorobenzene-d4
Concen: 50.00 ug/l
RT: 13.318 min Scan# 3601
Delta R.T. 0.003 min
Lab File: VN065136.D
Acq: 15 Dec 2020 6:06

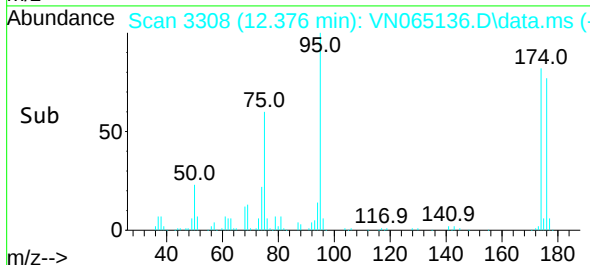
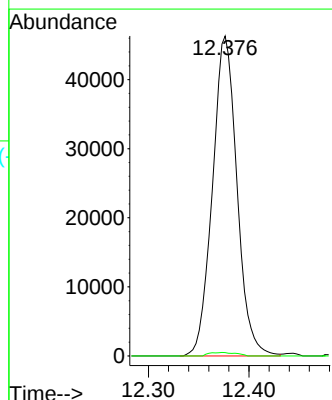
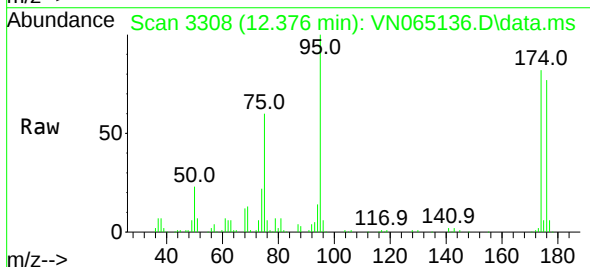
Instrument :
MSVOA_N
ClientSampled :

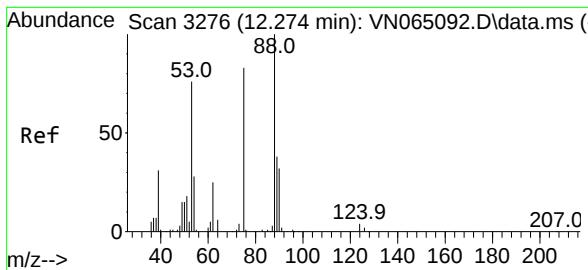
Tgt Ion:152 Resp: 166368
Ion Ratio Lower Upper
152 100
115 58.3 29.7 89.1
150 159.4 0.0 350.6



#76
1,2,3-Trichloropropane
Concen: 26.26 ug/l
RT: 12.376 min Scan# 3308
Delta R.T. -0.152 min
Lab File: VN065136.D
Acq: 15 Dec 2020 6:06

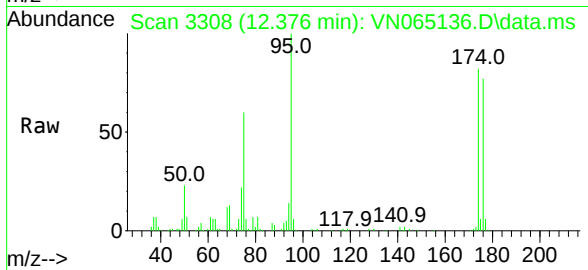
Tgt Ion: 75 Resp: 78382
Ion Ratio Lower Upper
75 100
77 1.2 0.0 0.0#





#81
 trans-1,4-Dichloro-2-butene
 Concen: 73.06 ug/l
 RT: 12.376 min Scan# 3308
 Delta R.T. 0.102 min
 Lab File: VN065136.D
 Acq: 15 Dec 2020 6:06

Instrument :
 MSVOA_N
 ClientSampleId :



Tgt Ion	Ratio	Lower	Upper
75	100		
53	0.0	67.0	100.4#
89	0.0	39.6	59.4#

