

Data Path : Z:\voasrv\HPCHEM1\MSVOA_N\Data\VN121420\
 Data File : VN065133.D
 Acq On : 15 Dec 2020 4:55
 Operator : JC/MD
 Sample : L5053-09
 Misc : 5.00mL/MSVOA_N/WATER
 ALS Vial : 49 Sample Multiplier: 1

Instrument :
 MSVOA_N
 ClientSampleId :

Quant Time: Dec 15 06:46:56 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

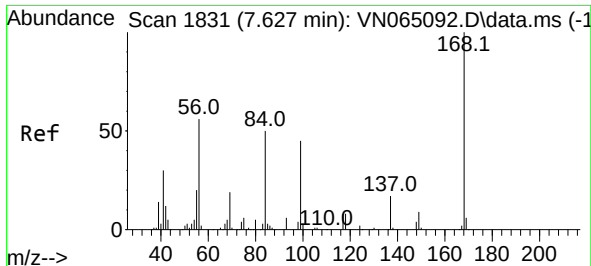
Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)

Internal Standards						
1) Pentafluorobenzene	7.627	168	217862	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	8.550	114	368954	50.00	ug/l	0.00
63) Chlorobenzene-d5	11.380	117	291939	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.318	152	114005	50.00	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	7.987	65	163017	65.08	ug/l	0.00
Spiked Amount 50.000	Range 61 - 141		Recovery = 130.16%			
35) Dibromofluoromethane	7.547	113	138442	53.98	ug/l	0.00
Spiked Amount 50.000	Range 69 - 133		Recovery = 107.96%			
50) Toluene-d8	10.058	98	382036	42.13	ug/l	0.00
Spiked Amount 50.000	Range 65 - 126		Recovery = 84.26%			
62) 4-Bromofluorobenzene	12.373	95	134205	42.97	ug/l	0.00
Spiked Amount 50.000	Range 58 - 135		Recovery = 85.94%			
Target Compounds						
3) Chloromethane	2.049	50	290	Below Cal	#	41
5) Bromomethane	2.538	94	412	Below Cal	#	45
9) 1,1,2-Trichlorotrifluo...	3.724	101	5575	2.59	ug/l #	93
12) 1,1-Dichloroethene	3.695	96	1250	0.62	ug/l #	50
13) Acrolein	3.364	56	35	0.29	ug/l #	14
16) Acetone	3.779	43	745	0.80	ug/l #	43
20) Methylene Chloride	4.515	84	60	Below Cal	#	8
27) cis-1,2-Dichloroethene	6.775	96	2130	0.90	ug/l #	1
30) Chloroform	7.335	83	1967	0.48	ug/l	85
31) Cyclohexane	7.624	56	5312	1.56	ug/l #	34
36) 1,1-Dichloropropene	7.624	75	17373	4.93	ug/l #	48
38) Carbon Tetrachloride	7.730	117	2158	0.53	ug/l #	93
39) Methylcyclohexane	8.798	83	18574	4.85	ug/l #	1
44) Trichloroethene	8.801	130	1391236	455.05	ug/l	97
45) 1,2-Dichloropropane	8.804	63	3665	1.34	ug/l #	1
49) 1,4-Dioxane	9.171	88	564	15.94	ug/l #	29
60) Dibromochloromethane	10.605	129	3745	1.24	ug/l #	10
64) Tetrachloroethene	10.598	164	3907	1.35	ug/l #	91
71) Bromoform	12.376	173	1707	0.91	ug/l #	1
76) 1,2,3-Trichloropropane	12.373	75	81610	39.89	ug/l #	100
81) trans-1,4-Dichloro-2-b...	12.373	75	81610	111.01	ug/l #	15
86) p-Isopropyltoluene	13.322	119	63	1.07	ug/l #	1

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

Quant Time: Dec 15 06:46:56 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

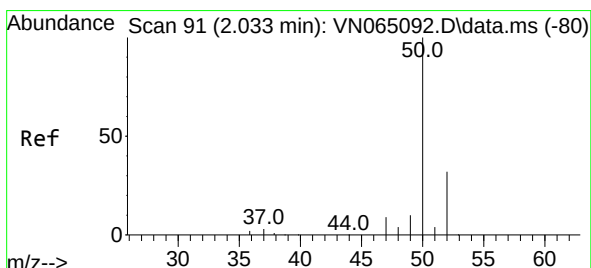
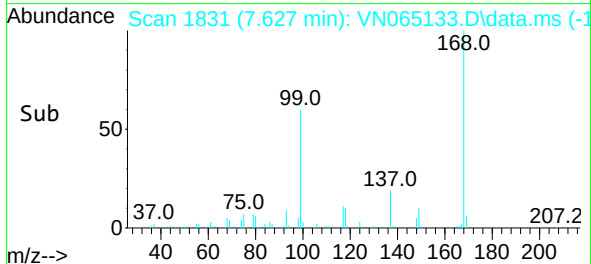
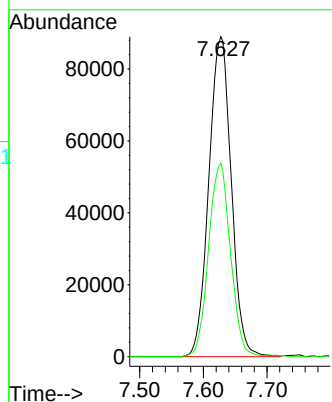
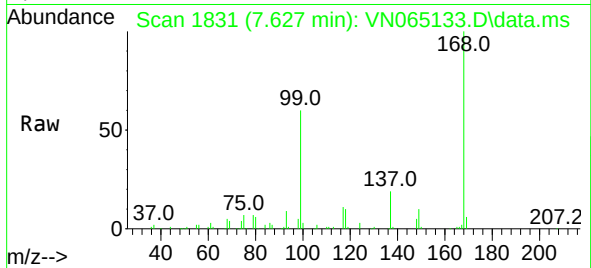




#1
Pentafluorobenzene
Concen: 50.00 ug/l
RT: 7.627 min Scan# 1831
Delta R.T. 0.000 min
Lab File: VN065133.D
Acq: 15 Dec 2020 4:55

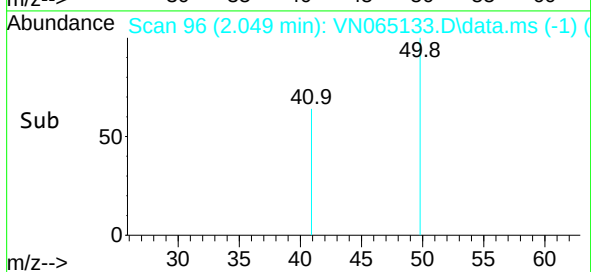
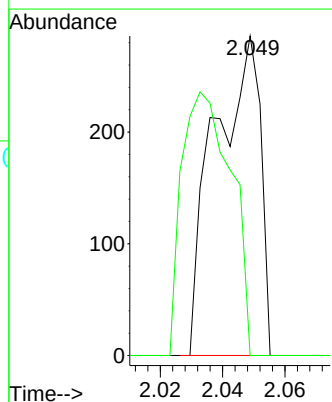
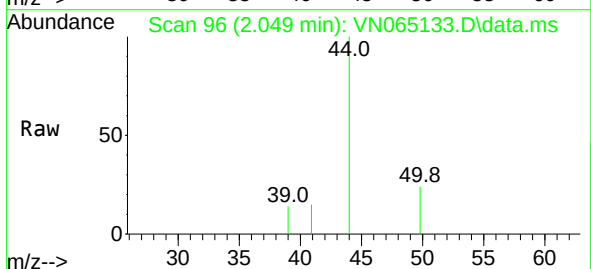
Instrument :
MSVOA_N
ClientSampled :

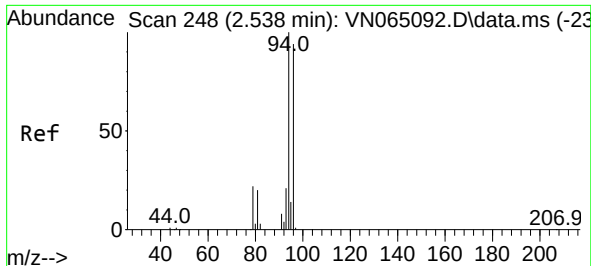
Tgt Ion:168 Resp: 217862
Ion Ratio Lower Upper
168 100
99 60.4 43.0 64.4



#3
Chloromethane
Concen: Below Cal
RT: 2.049 min Scan# 96
Delta R.T. 0.016 min
Lab File: VN065133.D
Acq: 15 Dec 2020 4:55

Tgt Ion: 50 Resp: 290
Ion Ratio Lower Upper
50 100
52 0.0 26.6 39.8#

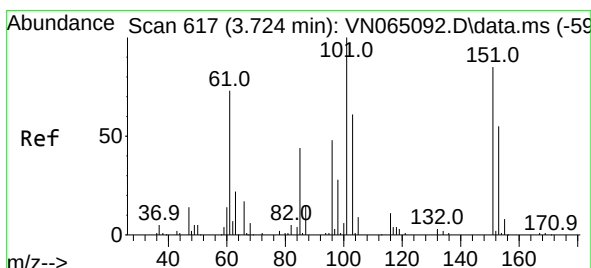
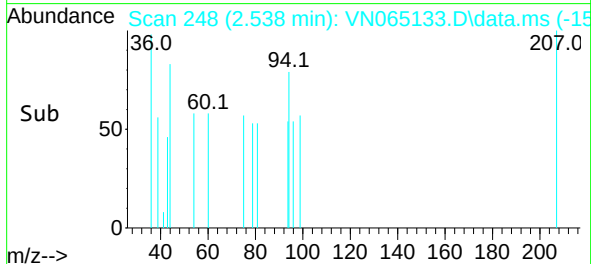
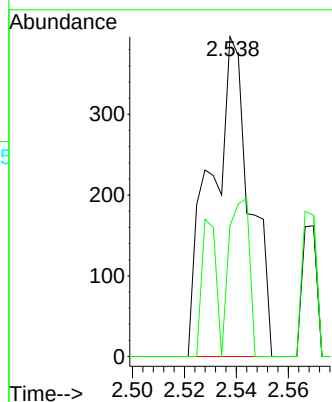
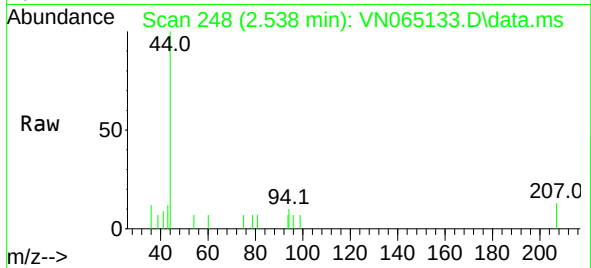




#5
Bromomethane
Concen: Below Cal
RT: 2.538 min Scan# 248
Delta R.T. -0.000 min
Lab File: VN065133.D
Acq: 15 Dec 2020 4:55

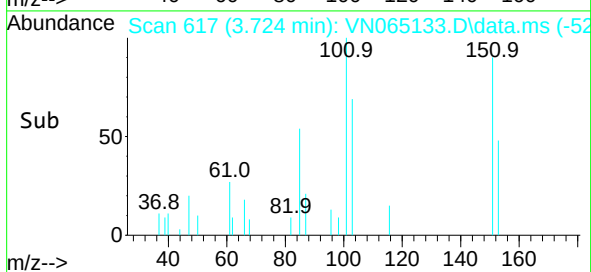
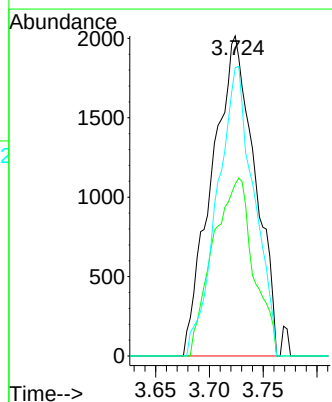
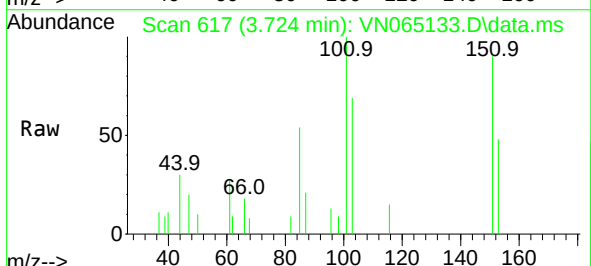
Instrument :
MSVOA_N
ClientSampled :

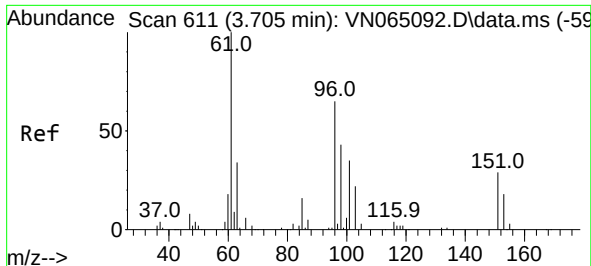
Tgt Ion: 94 Resp: 412
Ion Ratio Lower Upper
94 100
96 40.9 75.4 113.0#



#9
1,1,2-Trichlorotrifluoroethane
Concen: 2.59 ug/l
RT: 3.724 min Scan# 617
Delta R.T. -0.000 min
Lab File: VN065133.D
Acq: 15 Dec 2020 4:55

Tgt Ion: 101 Resp: 5575
Ion Ratio Lower Upper
101 100
85 52.7 34.4 51.6#
151 77.7 64.0 96.0

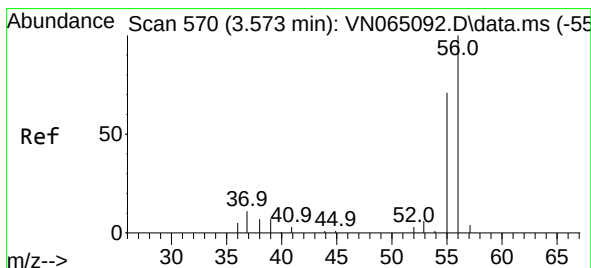
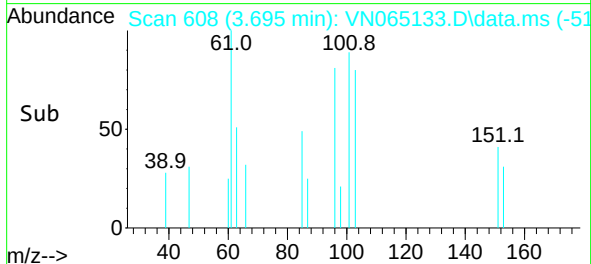
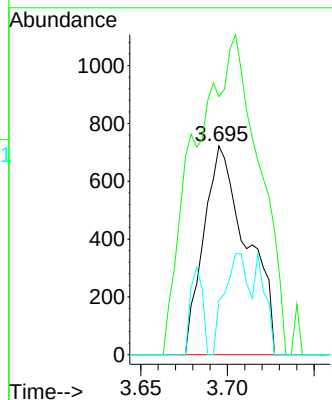
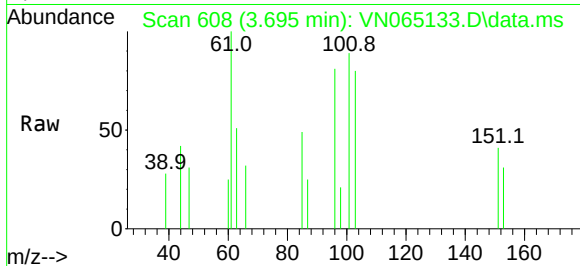




#12
1,1-Dichloroethene
Concen: 0.62 ug/l
RT: 3.695 min Scan# 608
Delta R.T. -0.010 min
Lab File: VN065133.D
Acq: 15 Dec 2020 4:55

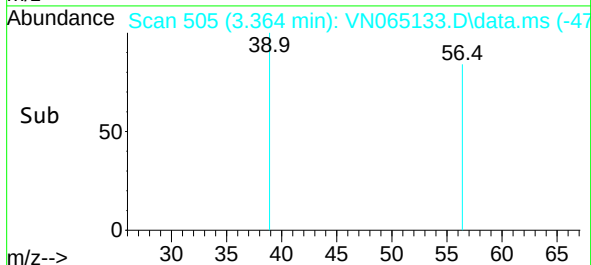
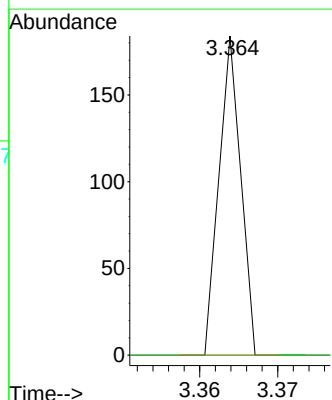
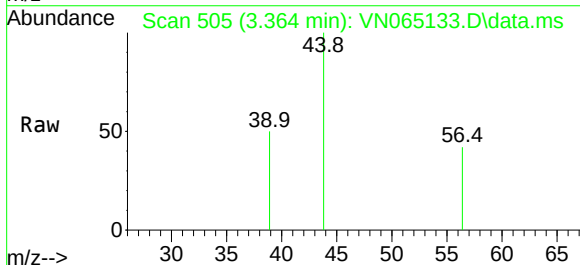
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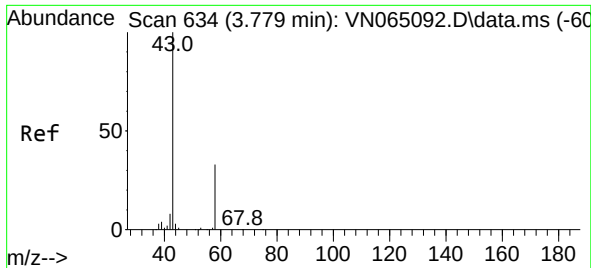
Tgt Ion: 96 Resp: 1250
Ion Ratio Lower Upper
96 100
61 88.6 123.4 185.2#
98 25.9 49.8 74.8#



#13
Acrolein
Concen: 0.29 ug/l
RT: 3.364 min Scan# 505
Delta R.T. -0.209 min
Lab File: VN065133.D
Acq: 15 Dec 2020 4:55

Tgt Ion: 56 Resp: 35
Ion Ratio Lower Upper
56 100
55 0.0 56.5 84.7#

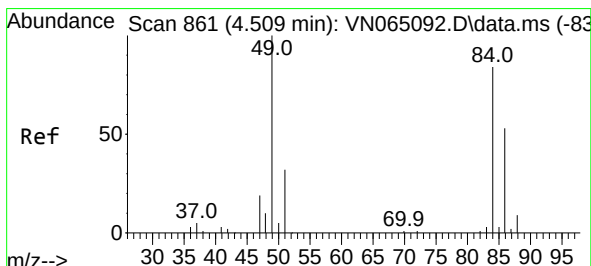
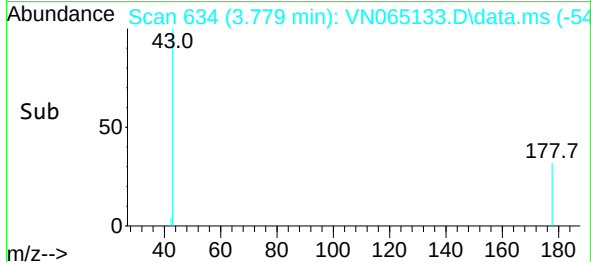
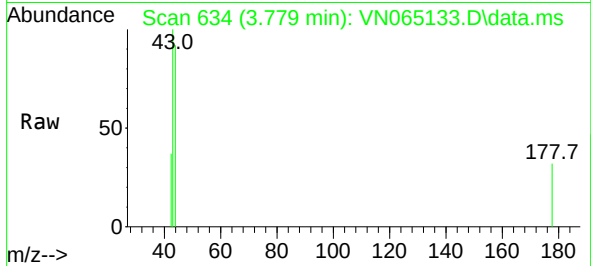




#16
Acetone
Concen: 0.80 ug/l
RT: 3.779 min Scan# 634
Delta R.T. -0.000 min
Lab File: VN065133.D
Acq: 15 Dec 2020 4:55

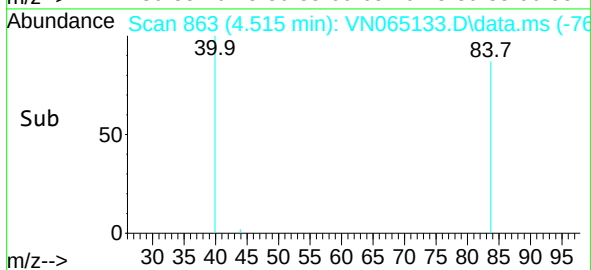
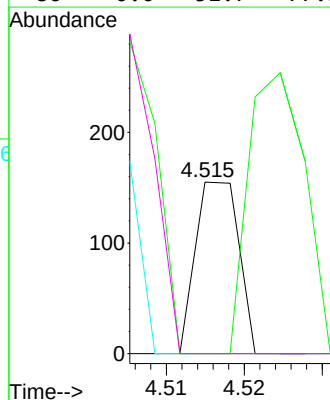
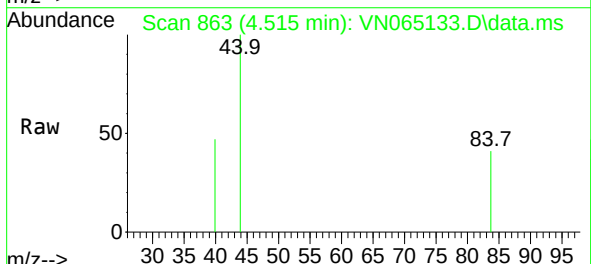
Instrument :
MSVOA_N
ClientSampled :

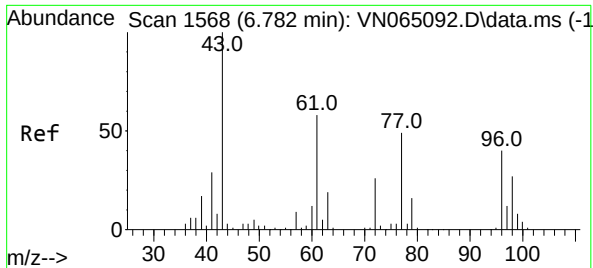
Tgt Ion: 43 Resp: 745
Ion Ratio Lower Upper
43 100
58 0.0 25.7 38.5#



#20
Methylene Chloride
Concen: Below Cal
RT: 4.515 min Scan# 863
Delta R.T. 0.006 min
Lab File: VN065133.D
Acq: 15 Dec 2020 4:55

Tgt Ion: 84 Resp: 60
Ion Ratio Lower Upper
84 100
49 0.0 93.4 140.0#
51 0.0 28.2 42.4#
86 0.0 51.7 77.5#

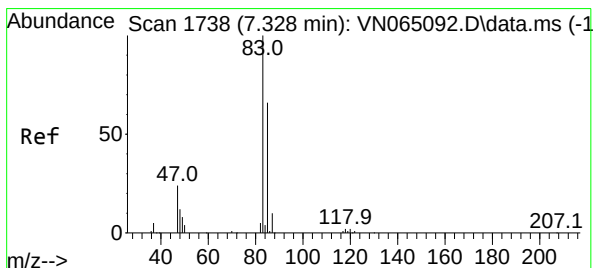
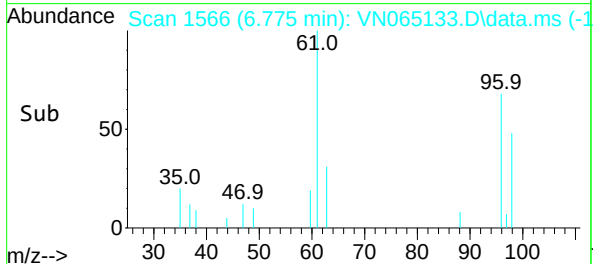
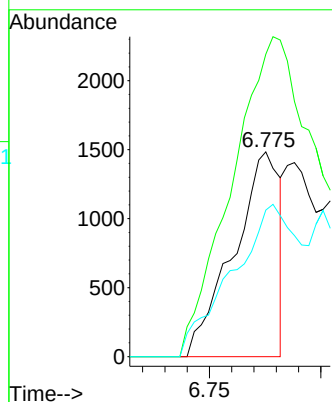
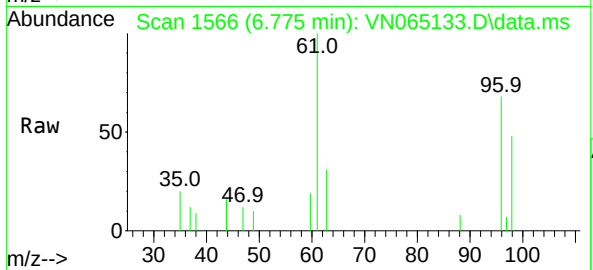




#27
cis-1,2-Dichloroethene
Concen: 0.90 ug/l
RT: 6.775 min Scan# 1566
Delta R.T. -0.007 min
Lab File: VN065133.D
Acq: 15 Dec 2020 4:55

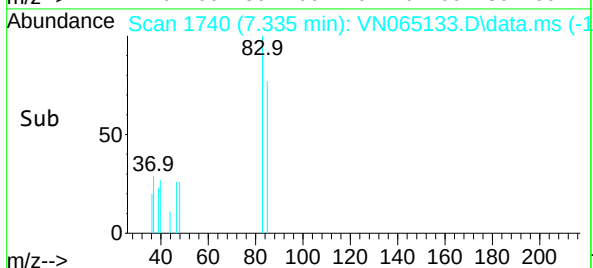
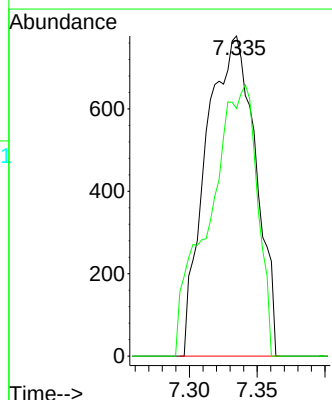
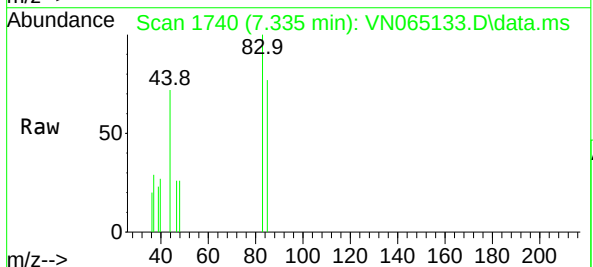
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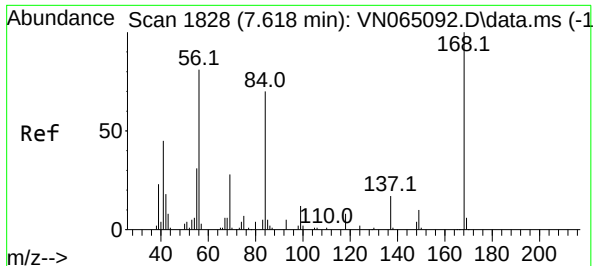
Tgt Ion: 96 Resp: 2130
Ion Ratio Lower Upper
96 100
61 315.7 0.0 285.8#
98 110.5 0.0 130.6



#30
Chloroform
Concen: 0.48 ug/l
RT: 7.335 min Scan# 1740
Delta R.T. 0.007 min
Lab File: VN065133.D
Acq: 15 Dec 2020 4:55

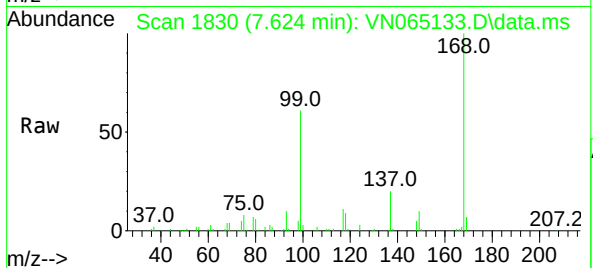
Tgt Ion: 83 Resp: 1967
Ion Ratio Lower Upper
83 100
85 77.3 52.6 78.8



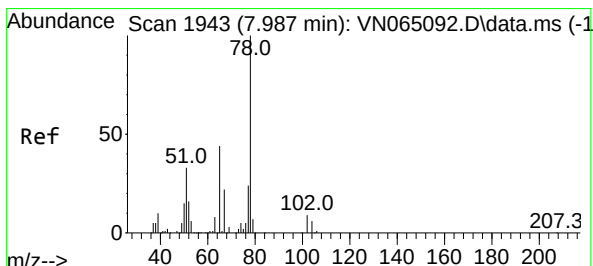
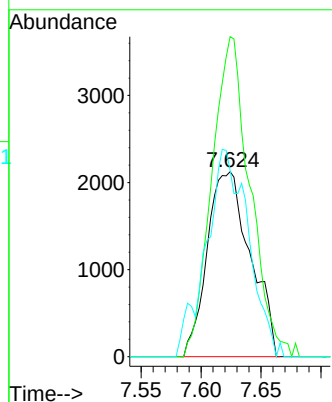
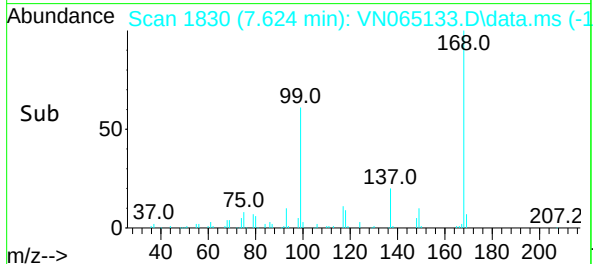


#31
Cyclohexane
Concen: 1.56 ug/l
RT: 7.624 min Scan# 1830
Delta R.T. 0.006 min
Lab File: VN065133.D
Acq: 15 Dec 2020 4:55

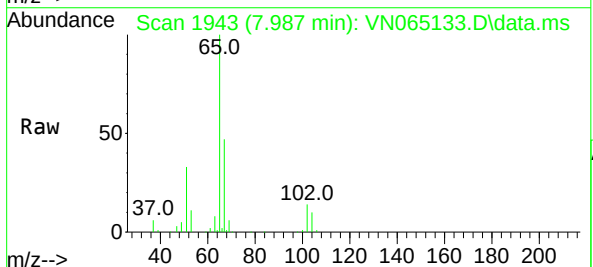
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MSVOA_N
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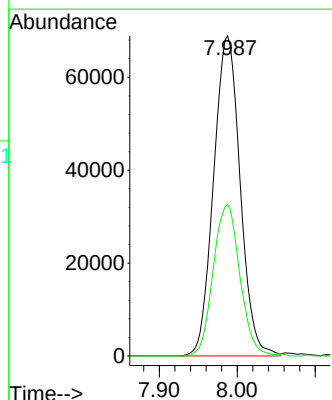
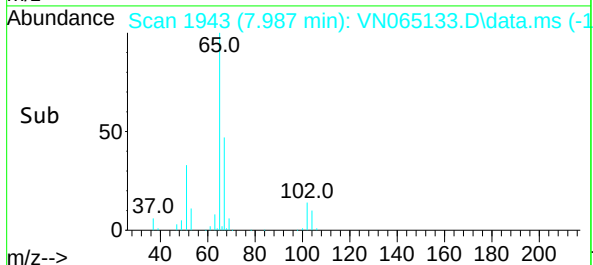
Tgt Ion: 56 Resp: 5312
Ion Ratio Lower Upper
56 100
69 172.9 27.5 41.3#
84 93.2 73.9 110.9

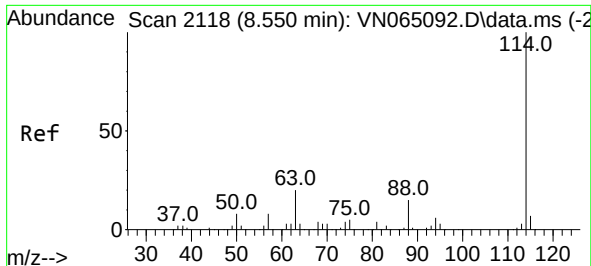


#33
1,2-Dichloroethane-d4
Concen: 65.08 ug/l
RT: 7.987 min Scan# 1943
Delta R.T. 0.000 min
Lab File: VN065133.D
Acq: 15 Dec 2020 4:55



Tgt Ion: 65 Resp: 163017
Ion Ratio Lower Upper
65 100
67 47.5 0.0 108.2

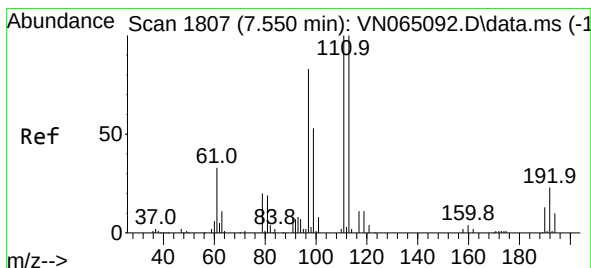
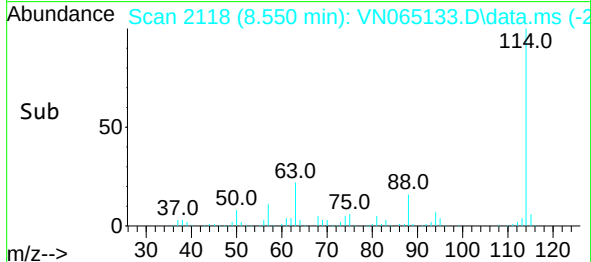
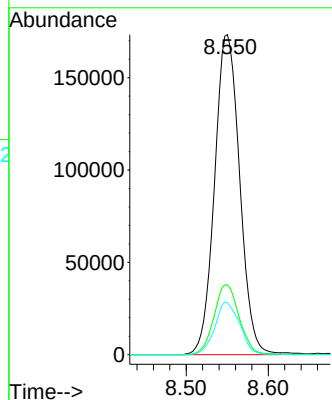
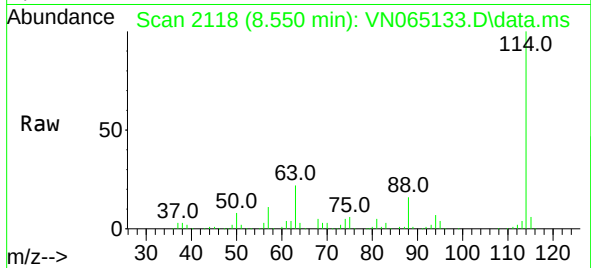




#34
1,4-Difluorobenzene
Concen: 50.00 ug/l
RT: 8.550 min Scan# 2118
Delta R.T. 0.000 min
Lab File: VN065133.D
Acq: 15 Dec 2020 4:55

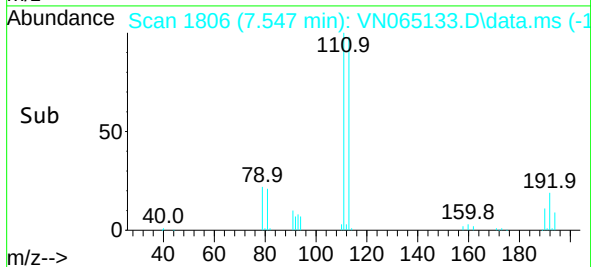
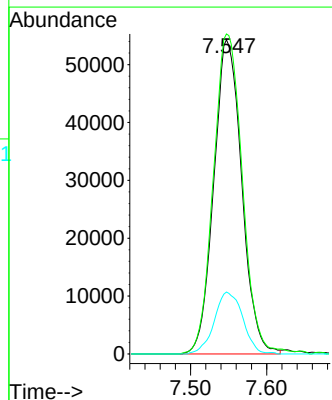
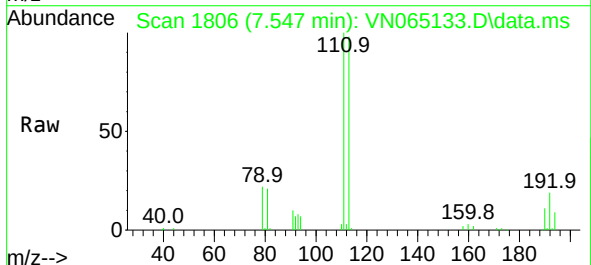
Instrument :
MSVOA_N
ClientSampled :

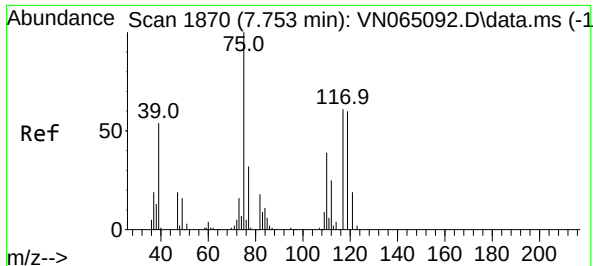
Tgt Ion:114 Resp: 368954
Ion Ratio Lower Upper
114 100
63 21.8 0.0 38.6
88 16.2 0.0 32.6



#35
Dibromofluoromethane
Concen: 53.98 ug/l
RT: 7.547 min Scan# 1806
Delta R.T. -0.003 min
Lab File: VN065133.D
Acq: 15 Dec 2020 4:55

Tgt Ion:113 Resp: 138442
Ion Ratio Lower Upper
113 100
111 105.7 81.6 122.4
192 20.0 16.2 24.2

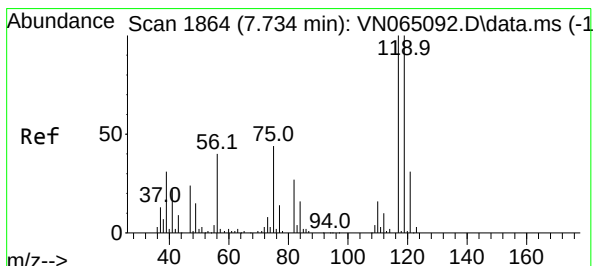
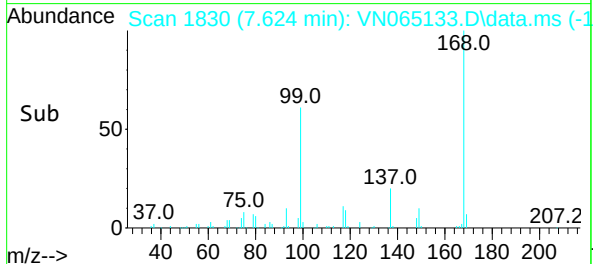
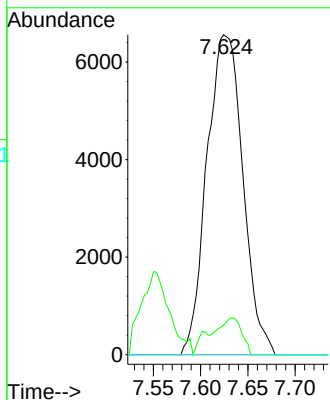
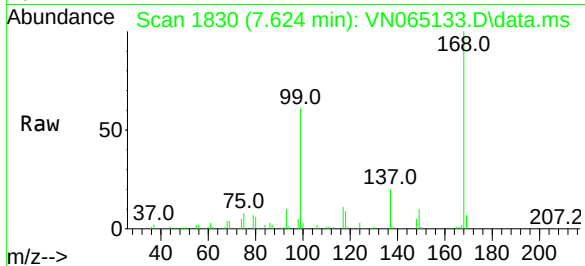




#36
1,1-Dichloropropene
Concen: 4.93 ug/l
RT: 7.624 min Scan# 1830
Delta R.T. -0.129 min
Lab File: VN065133.D
Acq: 15 Dec 2020 4:55

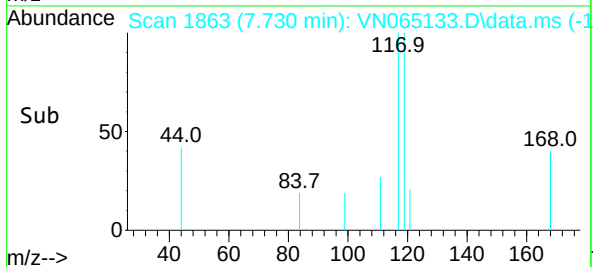
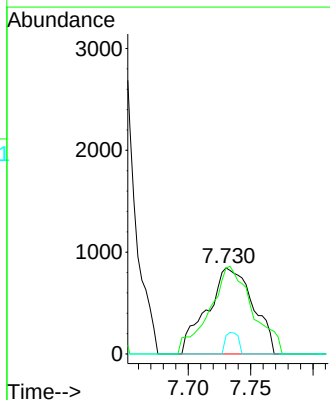
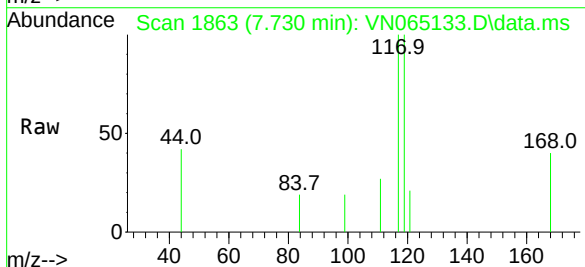
Instrument :
MSVOA_N
ClientSampled :

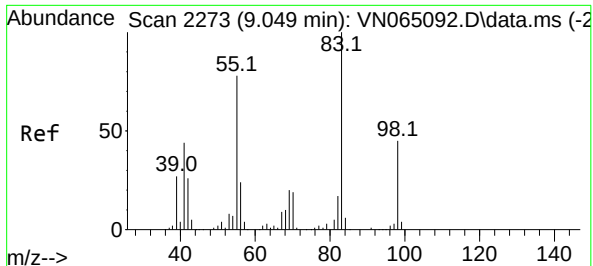
Tgt Ion: 75 Resp: 17373
Ion Ratio Lower Upper
75 100
110 7.4 17.8 53.3#
77 0.0 25.0 37.4#



#38
Carbon Tetrachloride
Concen: 0.53 ug/l
RT: 7.730 min Scan# 1863
Delta R.T. -0.004 min
Lab File: VN065133.D
Acq: 15 Dec 2020 4:55

Tgt Ion: 117 Resp: 2158
Ion Ratio Lower Upper
117 100
119 99.5 76.7 115.1
121 21.4 25.4 38.2#





#39

Methylcyclohexane

Concen: 4.85 ug/l

RT: 8.798 min Scan# 2195

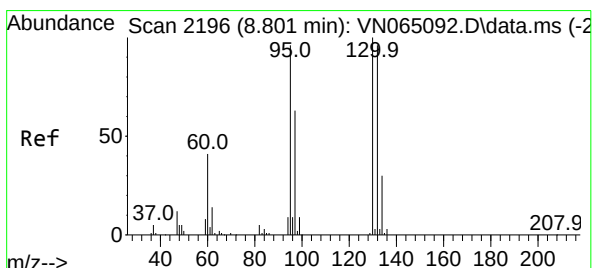
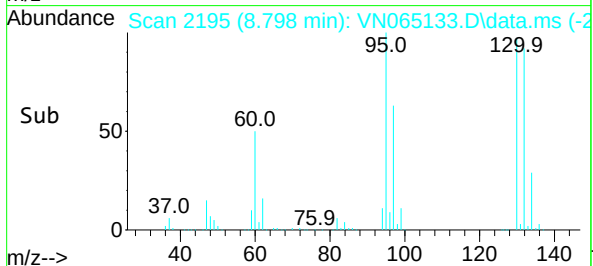
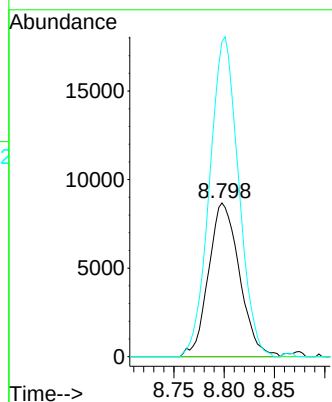
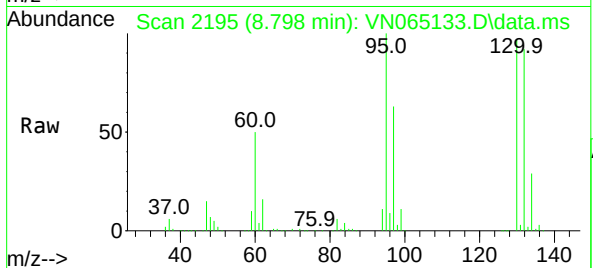
Delta R.T. -0.251 min

Lab File: VN065133.D

Acq: 15 Dec 2020 4:55

Tgt Ion:	83	Resp:	18574
Ion	Ratio	Lower	Upper
83	100		
55	0.0	60.2	90.2#
98	204.8	37.4	56.2#

Instrument :
MSVOA_N
ClientSampled :



#44

Trichloroethene

Concen: 455.05 ug/l

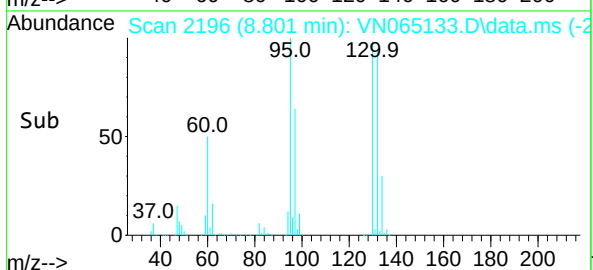
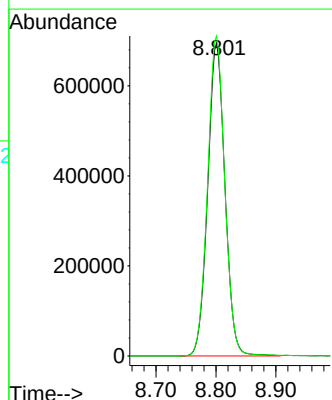
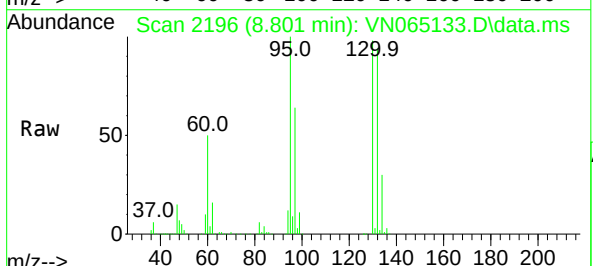
RT: 8.801 min Scan# 2196

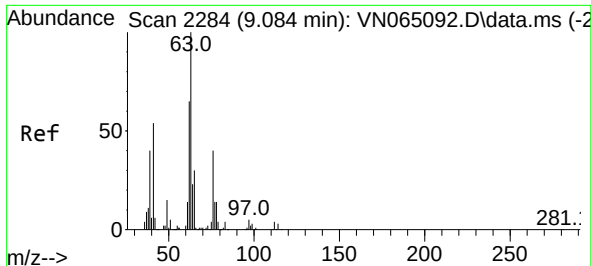
Delta R.T. -0.000 min

Lab File: VN065133.D

Acq: 15 Dec 2020 4:55

Tgt Ion:	130	Resp:	1391236
Ion	Ratio	Lower	Upper
130	100		
95	102.3	0.0	197.8

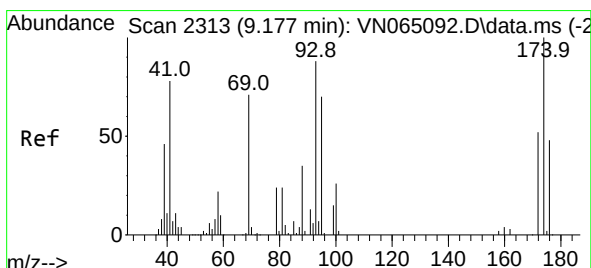
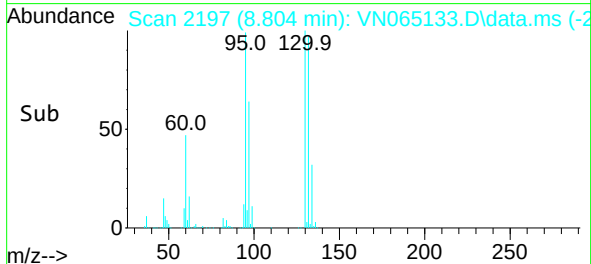
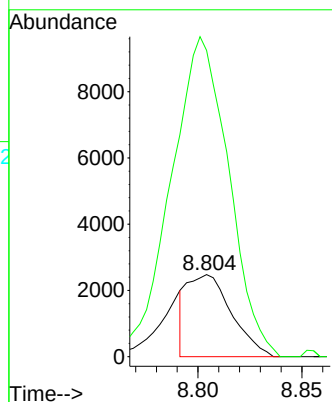
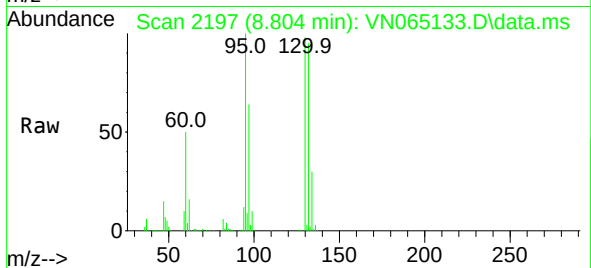




#45
1,2-Dichloropropane
Concen: 1.34 ug/l
RT: 8.804 min Scan# 2197
Delta R.T. -0.280 min
Lab File: VN065133.D
Acq: 15 Dec 2020 4:55

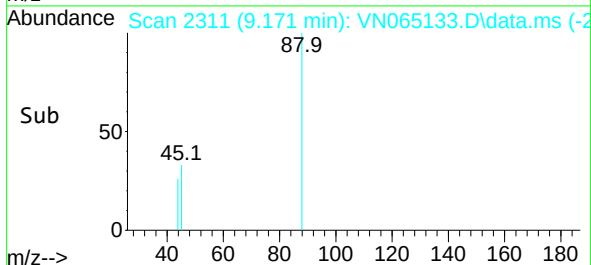
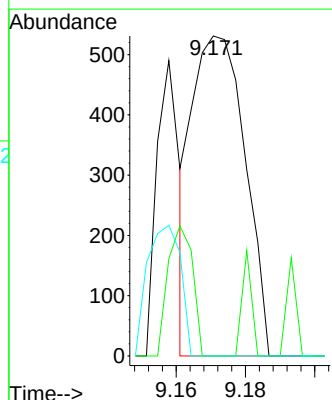
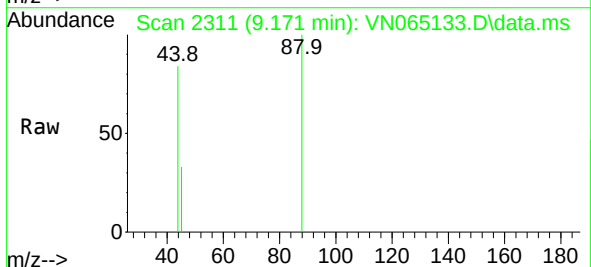
Instrument :
MSVOA_N
ClientSampled :

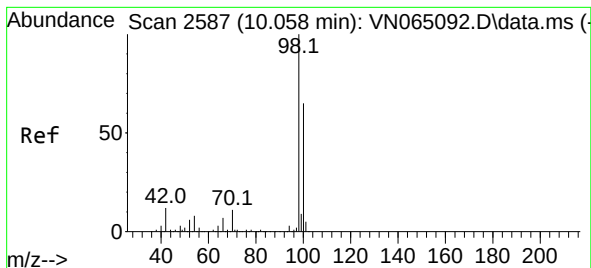
Tgt Ion: 63 Resp: 3665
Ion Ratio Lower Upper
63 100
65 372.7 25.0 37.4#



#49
1,4-Dioxane
Concen: 15.94 ug/l
RT: 9.171 min Scan# 2311
Delta R.T. -0.006 min
Lab File: VN065133.D
Acq: 15 Dec 2020 4:55

Tgt Ion: 88 Resp: 564
Ion Ratio Lower Upper
88 100
43 6.0 24.2 36.4#
58 0.0 52.5 78.7#

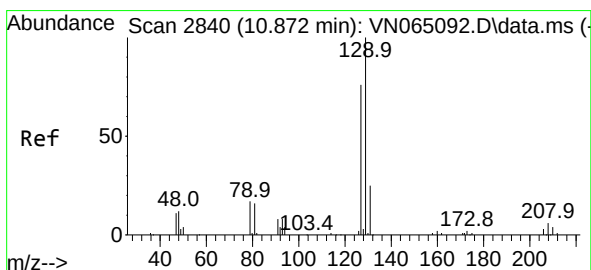
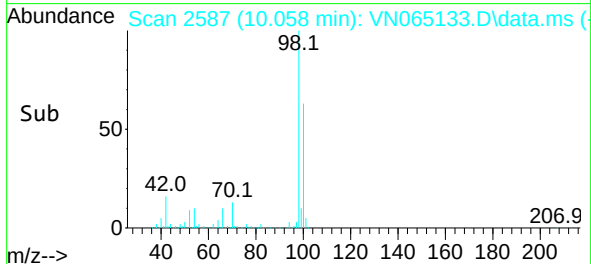
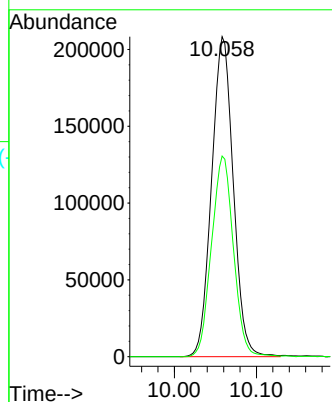
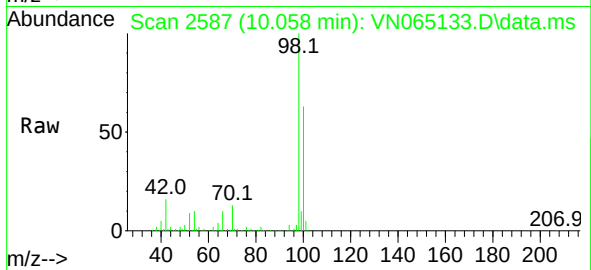




#50
Toluene-d8
Concen: 42.13 ug/l
RT: 10.058 min Scan# 2587
Delta R.T. 0.000 min
Lab File: VN065133.D
Acq: 15 Dec 2020 4:55

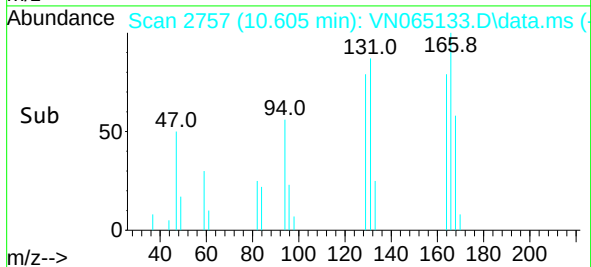
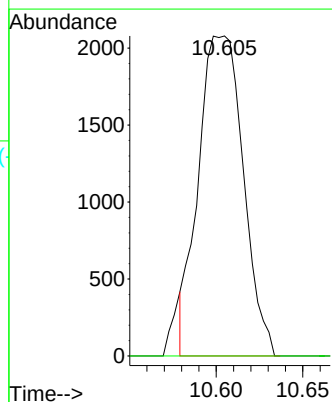
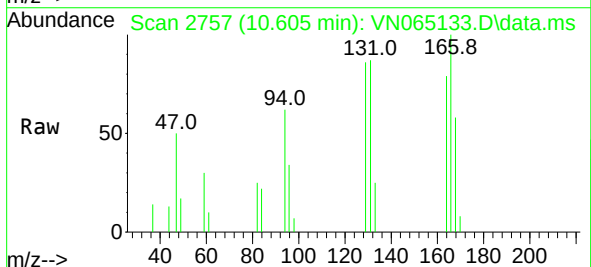
Instrument :
MSVOA_N
ClientSampled :

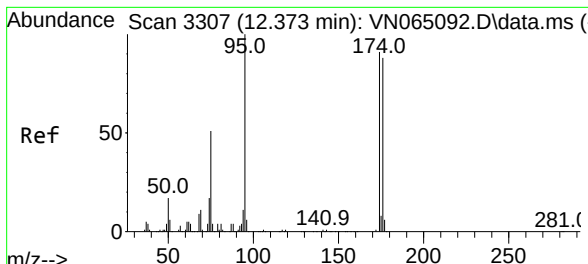
Tgt Ion: 98 Resp: 382036
Ion Ratio Lower Upper
98 100
100 63.3 51.7 77.5



#60
Dibromochloromethane
Concen: 1.24 ug/l
RT: 10.605 min Scan# 2757
Delta R.T. -0.267 min
Lab File: VN065133.D
Acq: 15 Dec 2020 4:55

Tgt Ion: 129 Resp: 3745
Ion Ratio Lower Upper
129 100
127 0.0 39.1 117.2#

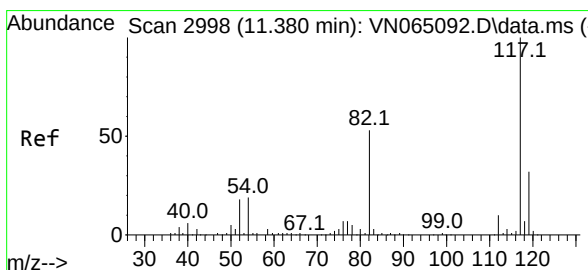
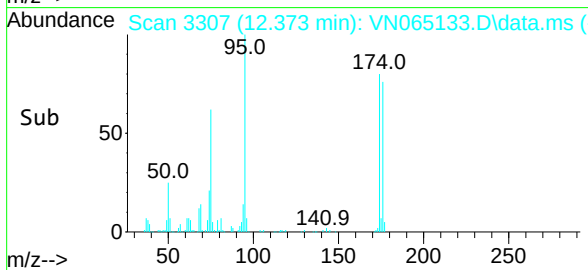
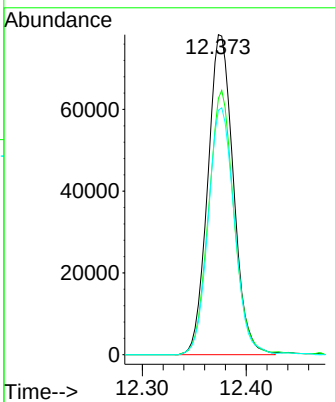
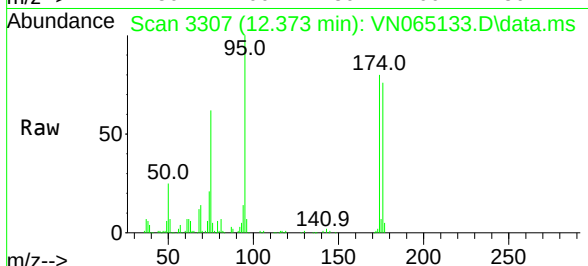




#62
 4-Bromofluorobenzene
 Concen: 42.97 ug/l
 RT: 12.373 min Scan# 3307
 Delta R.T. 0.000 min
 Lab File: VN065133.D
 Acq: 15 Dec 2020 4:55

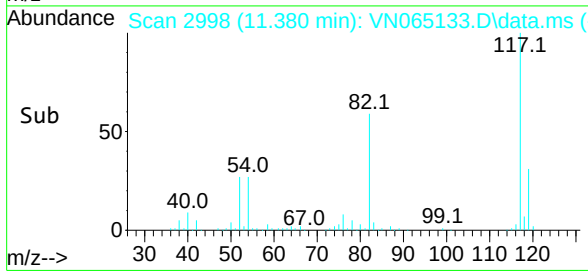
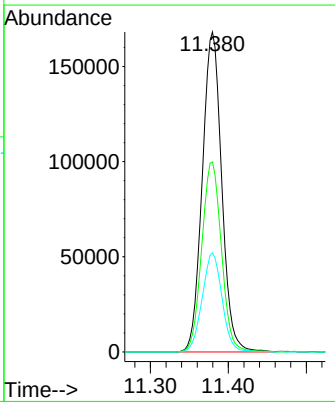
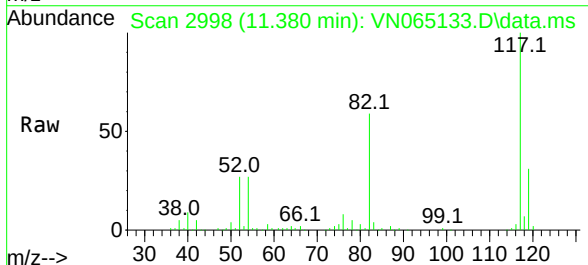
Instrument :
 MSVOA_N
 ClientSampled :

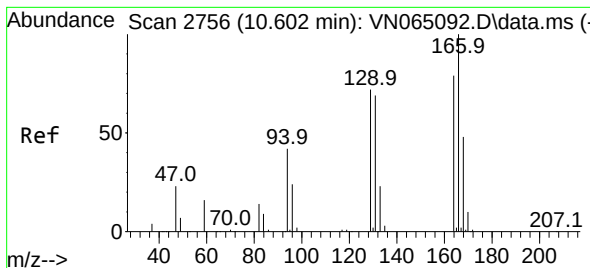
Tgt Ion:	95	Resp:	134205
Ion Ratio	Lower	Upper	
95	100		
174	82.4	0.0	160.4
176	78.6	0.0	158.4



#63
 Chlorobenzene-d5
 Concen: 50.00 ug/l
 RT: 11.380 min Scan# 2998
 Delta R.T. -0.000 min
 Lab File: VN065133.D
 Acq: 15 Dec 2020 4:55

Tgt Ion:	117	Resp:	291939
Ion Ratio	Lower	Upper	
117	100		
82	59.4	44.2	66.2
119	31.0	25.8	38.6





#64

Tetrachloroethene

Concen: 1.35 ug/l

RT: 10.598 min Scan# 2755

Delta R.T. -0.004 min

Lab File: VN065133.D

Acq: 15 Dec 2020 4:55

Tgt Ion:164 Resp: 3907

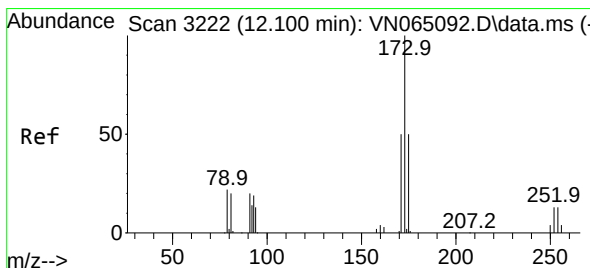
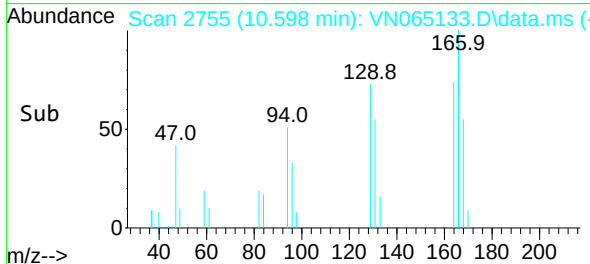
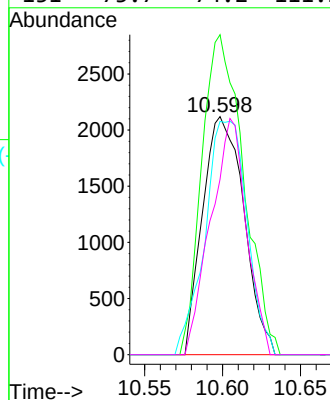
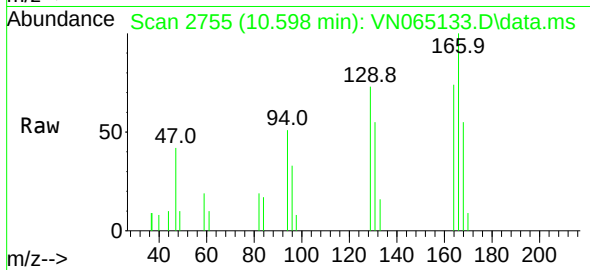
Ion Ratio Lower Upper

164 100

166 134.4 101.4 152.0

129 98.0 76.1 114.1

131 73.7 74.2 111.2#



#71

Bromoform

Concen: 0.91 ug/l

RT: 12.376 min Scan# 3308

Delta R.T. 0.276 min

Lab File: VN065133.D

Acq: 15 Dec 2020 4:55

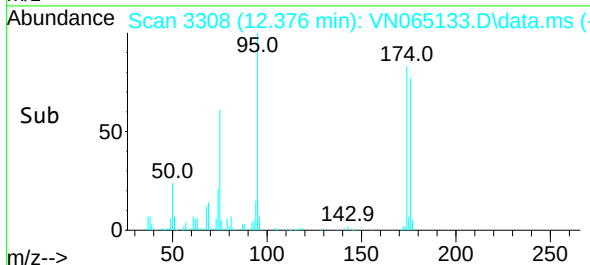
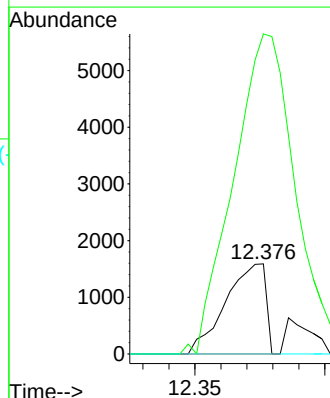
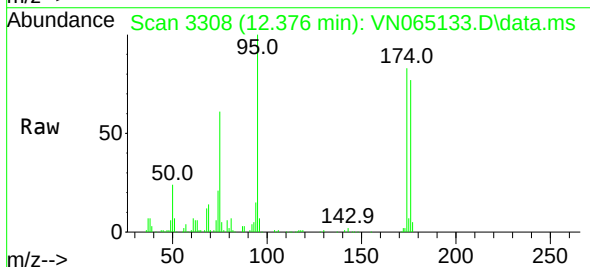
Tgt Ion:173 Resp: 1707

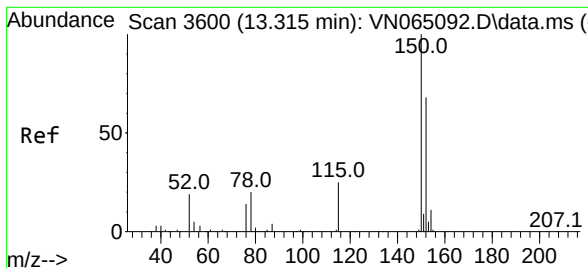
Ion Ratio Lower Upper

173 100

175 459.4 24.3 72.8#

254 0.0 0.0 0.0

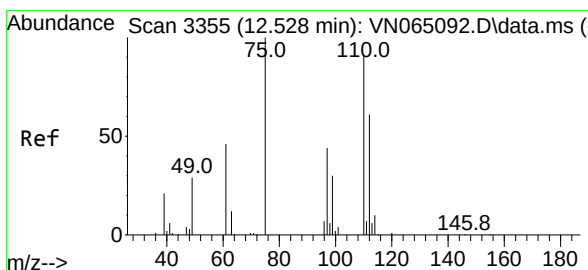
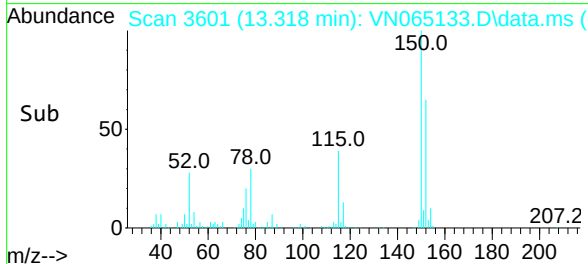
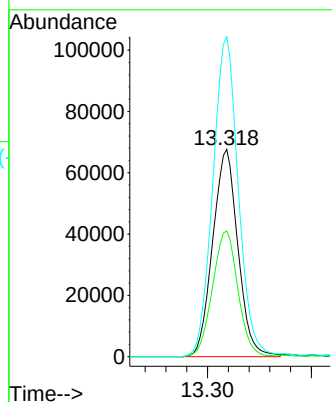
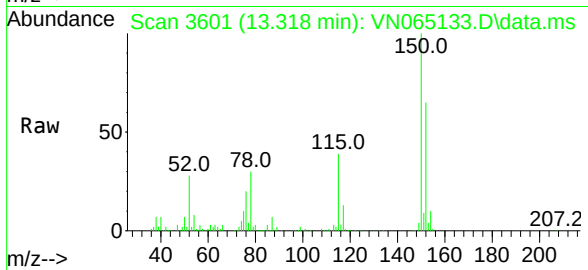




#72
1,4-Dichlorobenzene-d4
Concen: 50.00 ug/l
RT: 13.318 min Scan# 3601
Delta R.T. 0.003 min
Lab File: VN065133.D
Acq: 15 Dec 2020 4:55

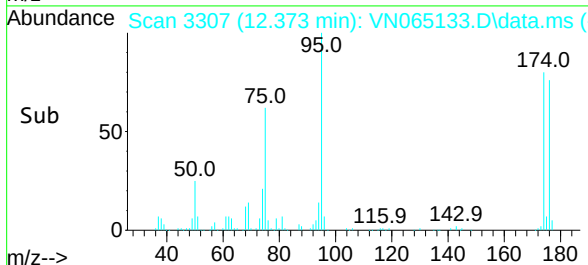
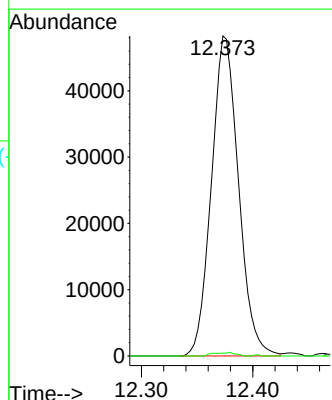
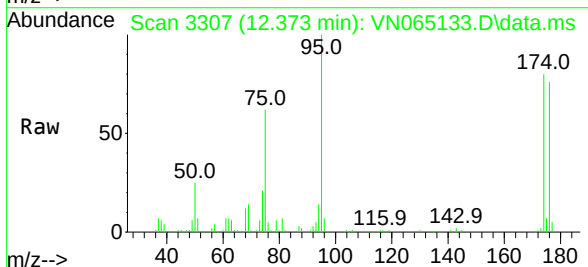
Instrument :
MSVOA_N
ClientSampleId :

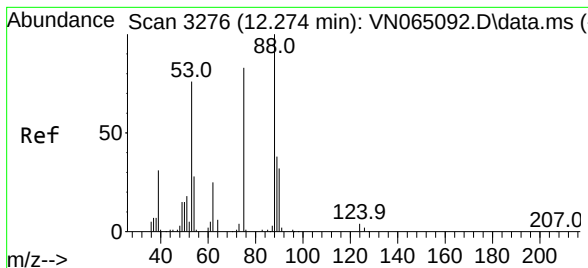
Tgt Ion:152 Resp: 114005
Ion Ratio Lower Upper
152 100
115 61.1 29.7 89.1
150 156.7 0.0 350.6



#76
1,2,3-Trichloropropane
Concen: 39.89 ug/l
RT: 12.373 min Scan# 3307
Delta R.T. -0.155 min
Lab File: VN065133.D
Acq: 15 Dec 2020 4:55

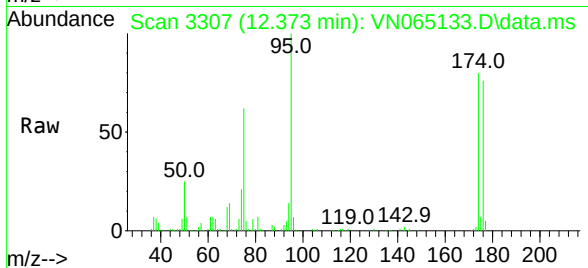
Tgt Ion: 75 Resp: 81610
Ion Ratio Lower Upper
75 100
77 0.9 0.0 0.0#



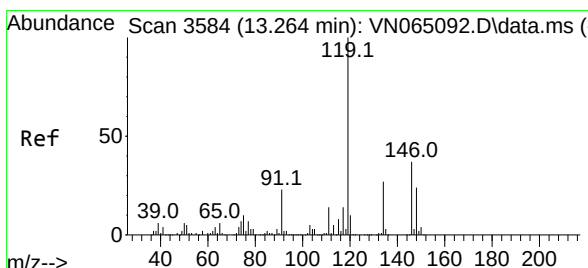
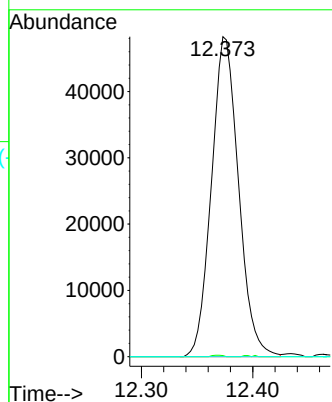
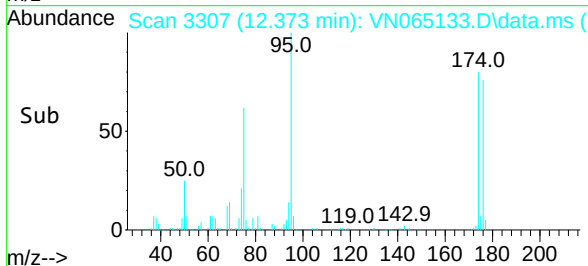


#81
trans-1,4-Dichloro-2-butene
Concen: 111.01 ug/l
RT: 12.373 min Scan# 3307
Delta R.T. 0.099 min
Lab File: VN065133.D
Acq: 15 Dec 2020 4:55

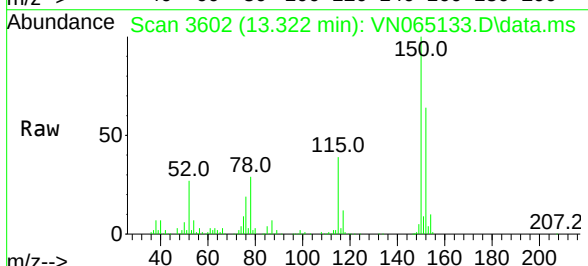
Instrument :
MSVOA_N
ClientSampleId :



Tgt Ion: 75 Resp: 81610
Ion Ratio Lower Upper
75 100
53 0.2 67.0 100.4#
89 0.0 39.6 59.4#



#86
p-Isopropyltoluene
Concen: 1.07 ug/l
RT: 13.322 min Scan# 3602
Delta R.T. 0.058 min
Lab File: VN065133.D
Acq: 15 Dec 2020 4:55



Tgt Ion: 119 Resp: 63
Ion Ratio Lower Upper
119 100
134 285.7 13.1 39.1#
91 319.0 11.5 34.5#

