

Data Path : Z:\voasrv\HPCHEM1\MSVOA_N\Data\VN033121\
 Data File : VN066436.D
 Acq On : 31 Mar 2021 11:26
 Operator : JC/MD
 Sample : VN0331WBL01
 Misc : 5.00mL/MSVOA_N/WATER
 ALS Vial : 3 Sample Multiplier: 1

Instrument :
 MSVOA_N
 ClientSampleId :
 VN0331WBL01

Quant Time: Apr 01 01:34:56 2021
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA_N\methods\82N032521W.M
 Quant Title : SW846 8260
 QLast Update : Fri Mar 26 16:26:01 2021
 Response via : Initial Calibration

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

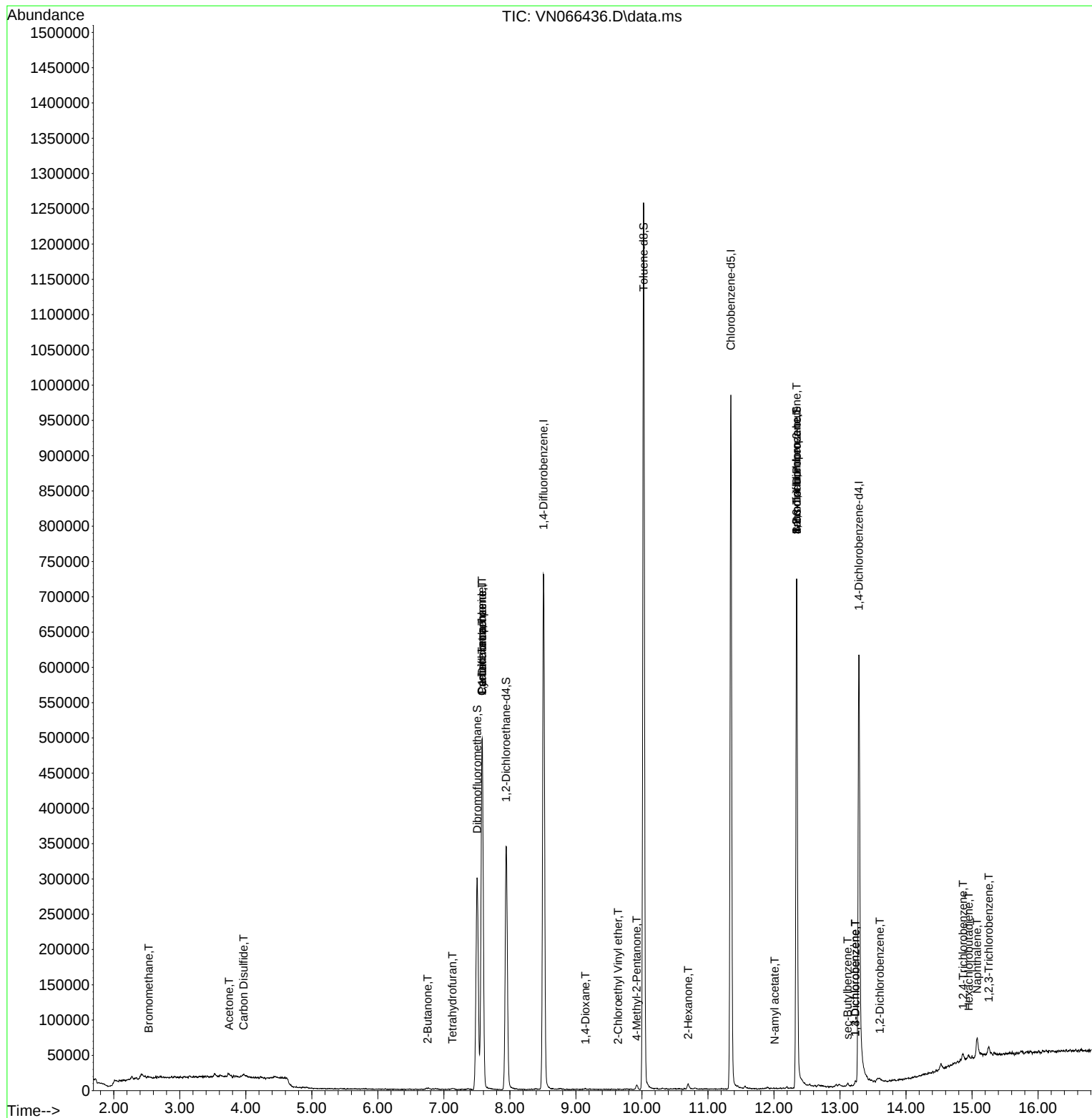
Internal Standards						
1) Pentafluorobenzene	7.582	168	419416	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	8.510	114	646995	50.00	ug/l	0.00
63) Chlorobenzene-d5	11.347	117	557120	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.286	152	206164	50.00	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	7.944	65	285317	51.17	ug/l	0.00
Spiked Amount 50.000	Range 78 - 117		Recovery = 102.34%			
35) Dibromofluoromethane	7.504	113	224871	52.43	ug/l	0.00
Spiked Amount 50.000	Range 75 - 124		Recovery = 104.86%			
50) Toluene-d8	10.025	98	854029	52.50	ug/l	0.00
Spiked Amount 50.000	Range 92 - 112		Recovery = 105.00%			
62) 4-Bromofluorobenzene	12.345	95	242934	42.99	ug/l	0.00
Spiked Amount 50.000	Range 83 - 123		Recovery = 85.98%			
Target Compounds					Qvalue	
3) Chloromethane	2.011	50	2922	Below Cal	#	84
5) Bromomethane	2.529	94	1140	0.28 ug/l	#	73
13) Acrolein	3.537	56	4964	Below Cal	#	37
16) Acetone	3.747	43	4783	1.59 ug/l		92
17) Carbon Disulfide	3.966	76	5174	0.36 ug/l	#	75
20) Methylene Chloride	4.455	84	1641	Below Cal	#	62
25) 2-Butanone	6.753	43	692	0.21 ug/l	#	49
29) Tetrahydrofuran	7.131	42	836	0.39 ug/l	#	73
31) Cyclohexane	7.579	56	9014	1.17 ug/l	#	1
36) 1,1-Dichloropropene	7.579	75	31811	5.23 ug/l	#	49
38) Carbon Tetrachloride	7.579	117	38031	6.22 ug/l	#	16
49) 1,4-Dioxane	9.145	88	343	5.02 ug/l	#	41
51) 4-Methyl-2-Pentanone	9.920	43	5507	0.82 ug/l	#	86
58) 2-Chloroethyl Vinyl ether	9.639	63	50	25.66 ug/l	#	49
59) 2-Hexanone	10.701	43	6645	1.42 ug/l		91
71) Bromoform	12.345	173	1825	0.51 ug/l	#	1
74) N-amyl acetate	12.010	43	125	3.21 ug/l	#	45
76) 1,2,3-Trichloropropane	12.345	75	123631	27.33 ug/l	#	100
81) trans-1,4-Dichloro-2-b...	12.345	75	123631	82.19 ug/l	#	12
85) sec-Butylbenzene	13.117	105	2906	0.21 ug/l		87
87) 1,3-Dichlorobenzene	13.233	146	1638	0.25 ug/l		95
88) 1,4-Dichlorobenzene	13.233	146	1638	0.24 ug/l		94
91) 1,2-Dichlorobenzene	13.605	146	1548	0.24 ug/l	#	56
93) 1,2,4-Trichlorobenzene	14.863	180	3726	0.94 ug/l		93
94) Hexachlorobutadiene	14.949	225	1149	0.53 ug/l		92
95) Naphthalene	15.078	128	32705	3.81 ug/l		98
96) 1,2,3-Trichlorobenzene	15.255	180	5722	1.44 ug/l		93

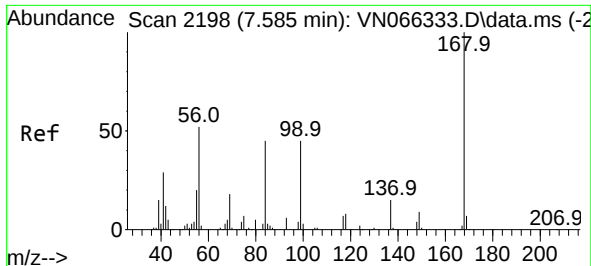
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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Quant Method : Z:\voasrv\HPCHEM1\MSVOA_N\methods\82N032521W.M
Quant Title : SW846 8260
QLast Update : Fri Mar 26 16:26:01 2021
Response via : Initial Calibration

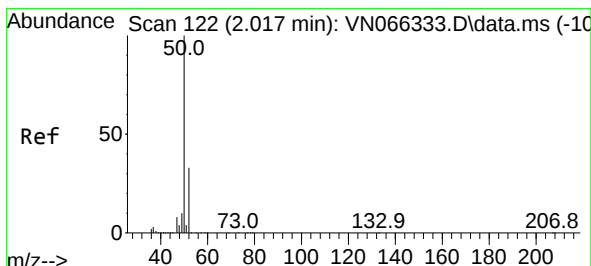
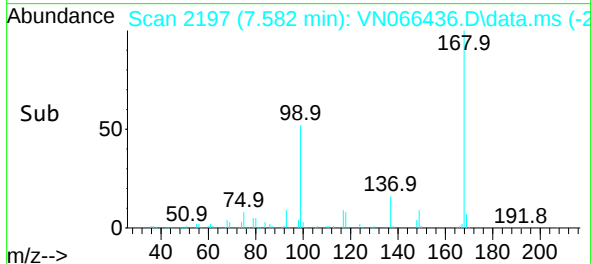
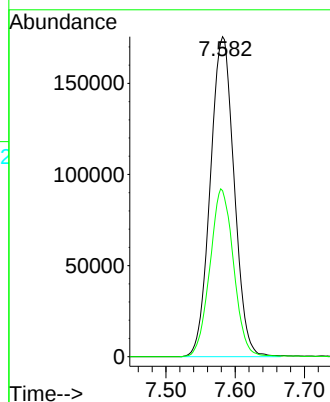
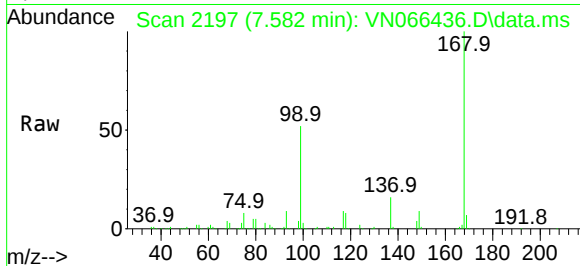




#1
Pentafluorobenzene
Concen: 50.00 ug/l
RT: 7.582 min Scan# 2197
Delta R.T. -0.003 min
Lab File: VN066436.D
Acq: 31 Mar 2021 11:26

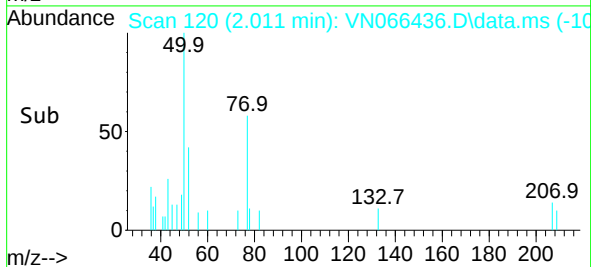
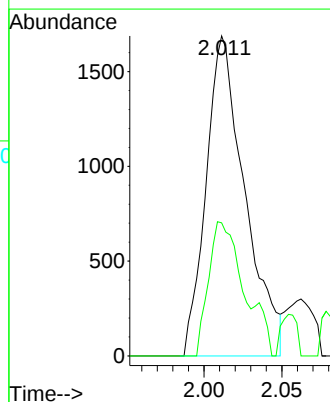
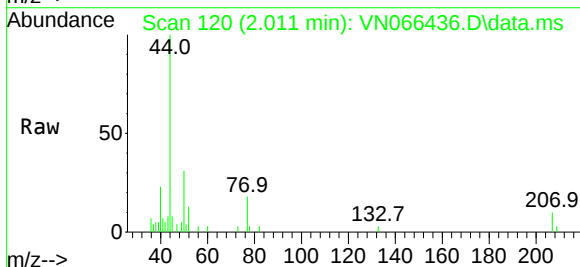
Instrument :
MSVOA_N
ClientSampleId :
VN0331WBL01

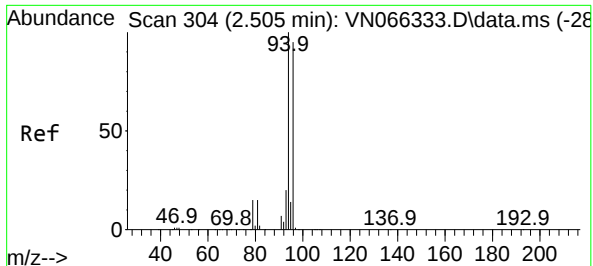
Tgt Ion:168 Resp: 419416
Ion Ratio Lower Upper
168 100
99 51.9 41.1 61.7



#3
Chloromethane
Concen: Below Cal
RT: 2.011 min Scan# 120
Delta R.T. -0.006 min
Lab File: VN066436.D
Acq: 31 Mar 2021 11:26

Tgt Ion: 50 Resp: 2922
Ion Ratio Lower Upper
50 100
52 41.6 26.2 39.2#

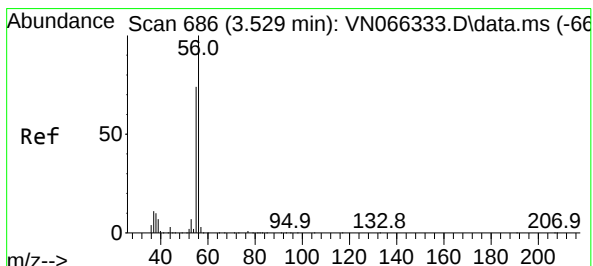
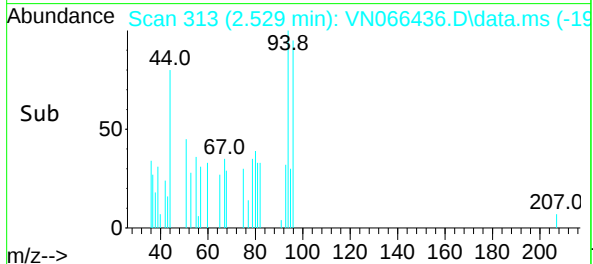
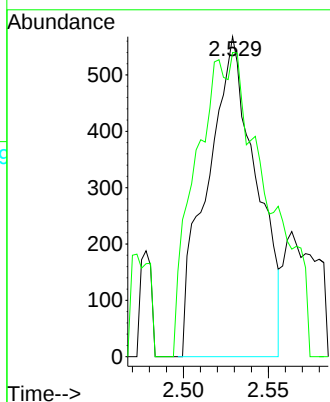
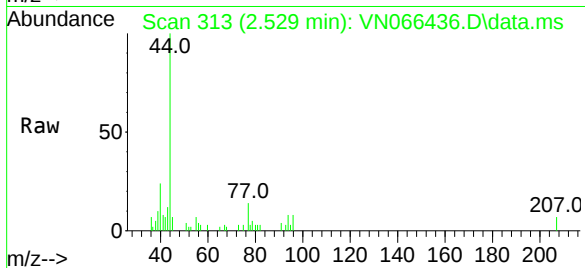




#5
Bromomethane
Concen: 0.28 ug/l
RT: 2.529 min Scan# 313
Delta R.T. 0.024 min
Lab File: VN066436.D
Acq: 31 Mar 2021 11:26

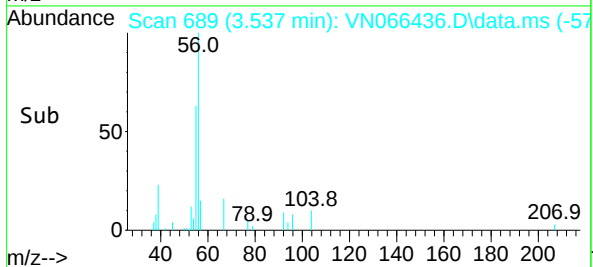
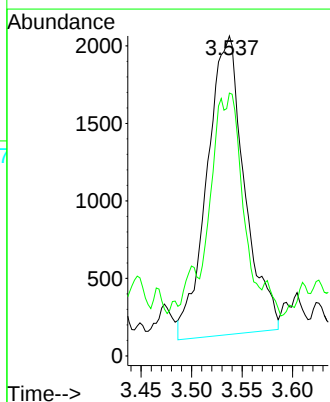
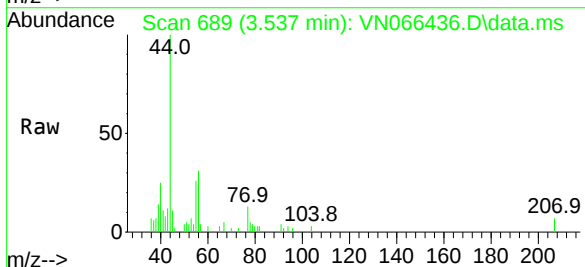
Instrument :
MSVOA_N
ClientSampleId :
VN0331WBL01

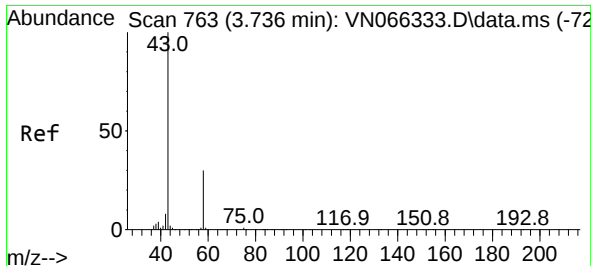
Tgt Ion: 94 Resp: 1140
Ion Ratio Lower Upper
94 100
96 68.5 75.8 113.6#



#13
Acrolein
Concen: Below Cal
RT: 3.537 min Scan# 689
Delta R.T. 0.008 min
Lab File: VN066436.D
Acq: 31 Mar 2021 11:26

Tgt Ion: 56 Resp: 4964
Ion Ratio Lower Upper
56 100
55 20.0 57.9 86.9#

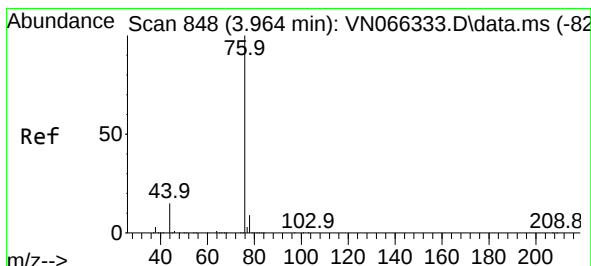
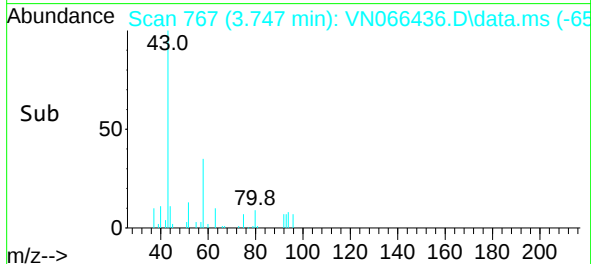
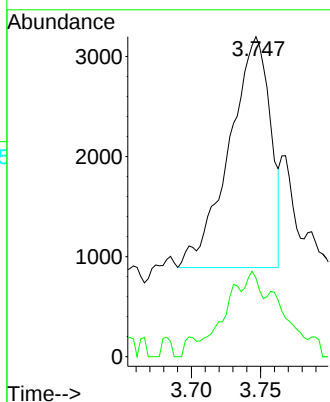
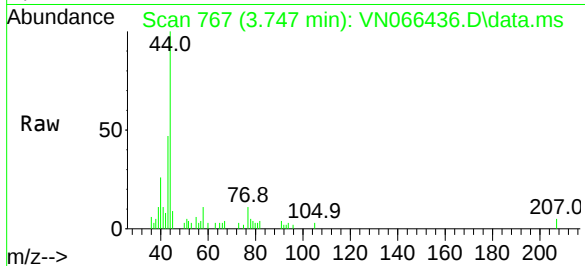




#16
Acetone
Concen: 1.59 ug/l
RT: 3.747 min Scan# 767
Delta R.T. 0.011 min
Lab File: VN066436.D
Acq: 31 Mar 2021 11:26

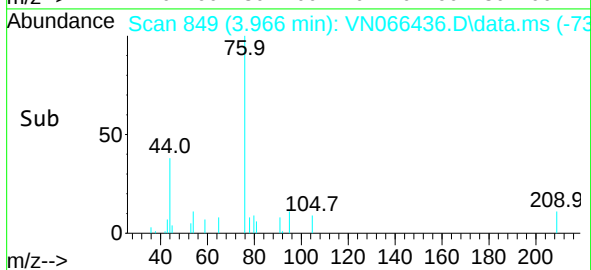
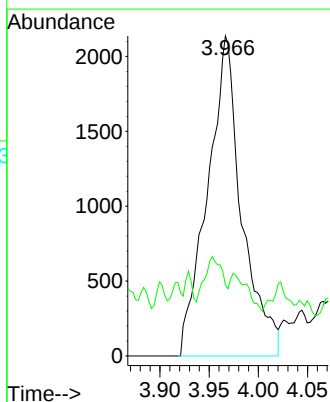
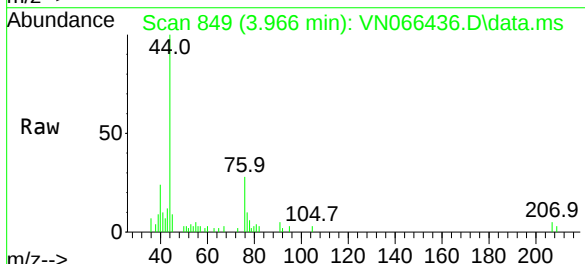
Instrument :
MSVOA_N
ClientSampleId :
VN0331WBL01

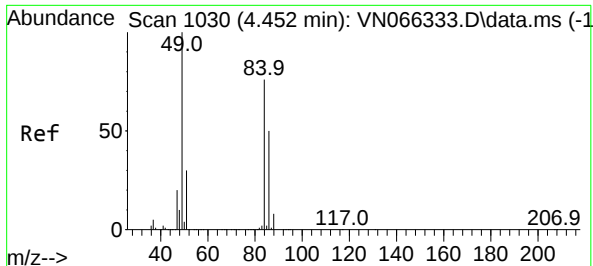
Tgt Ion: 43 Resp: 4783
Ion Ratio Lower Upper
43 100
58 34.0 23.8 35.8



#17
Carbon Disulfide
Concen: 0.36 ug/l
RT: 3.966 min Scan# 849
Delta R.T. 0.003 min
Lab File: VN066436.D
Acq: 31 Mar 2021 11:26

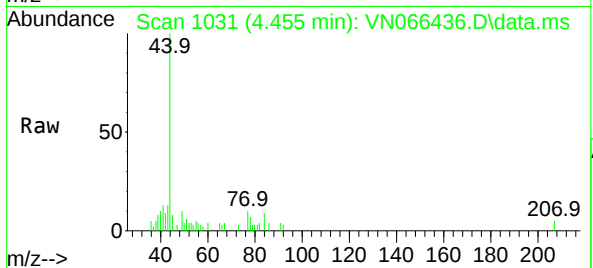
Tgt Ion: 76 Resp: 5174
Ion Ratio Lower Upper
76 100
78 0.0 7.4 11.0#



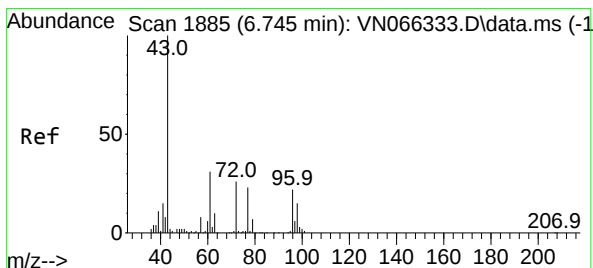
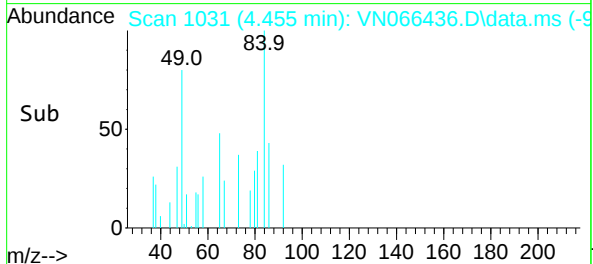
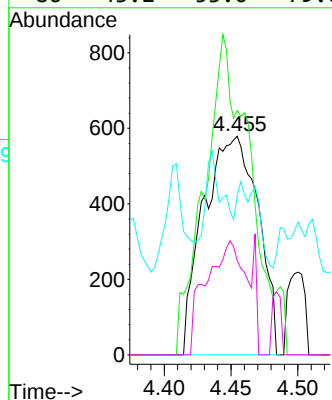


#20
Methylene Chloride
Concen: Below Cal
RT: 4.455 min Scan# 1031
Delta R.T. 0.003 min
Lab File: VN066436.D
Acq: 31 Mar 2021 11:26

Instrument :
MSVOA_N
ClientSampleId :
VN0331WBL01

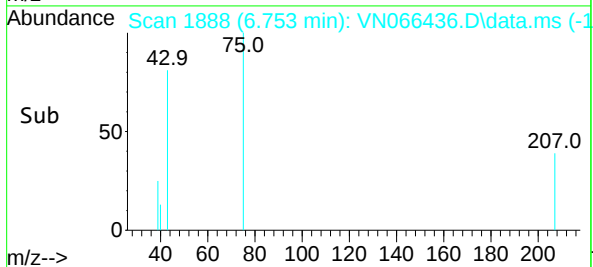
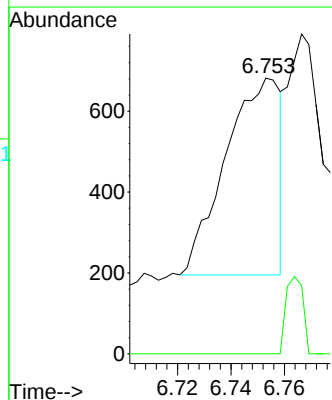
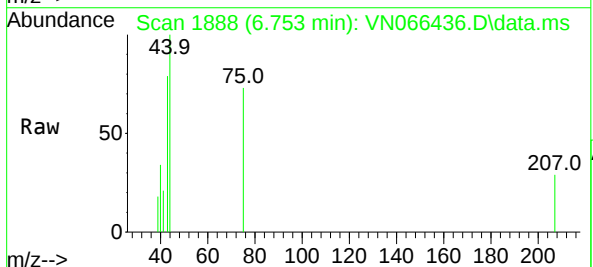


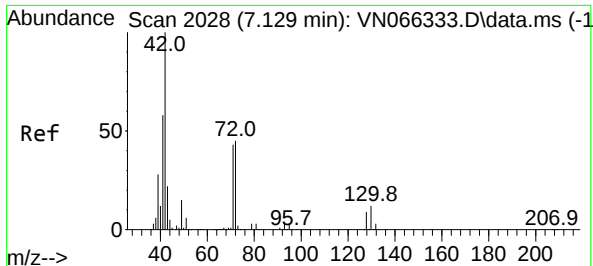
Tgt Ion:	84	Resp:	1641
Ion	Ratio	Lower	Upper
84	100		
49	83.2	105.0	157.6#
51	14.5	31.6	47.4#
86	43.2	53.0	79.6#



#25
2-Butanone
Concen: 0.21 ug/l
RT: 6.753 min Scan# 1888
Delta R.T. 0.008 min
Lab File: VN066436.D
Acq: 31 Mar 2021 11:26

Tgt Ion:	43	Resp:	692
Ion	Ratio	Lower	Upper
43	100		
72	0.0	20.7	31.1#

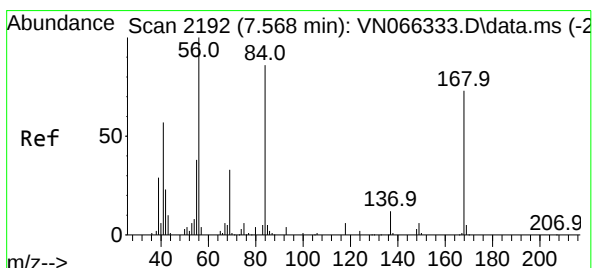
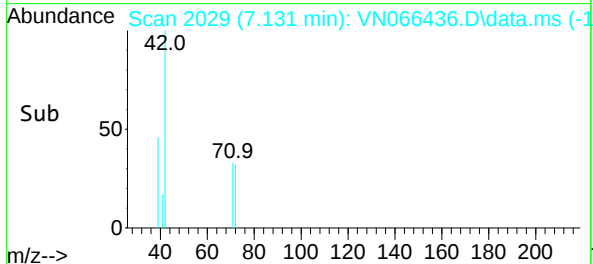
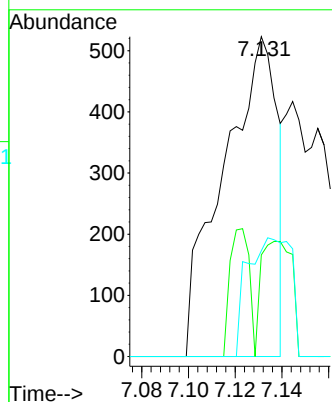
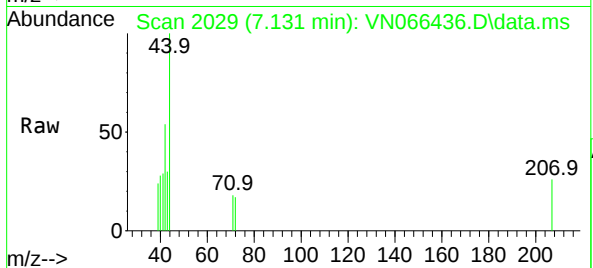




#29
Tetrahydrofuran
Concen: 0.39 ug/l
RT: 7.131 min Scan# 2029
Delta R.T. 0.003 min
Lab File: VN066436.D
Acq: 31 Mar 2021 11:26

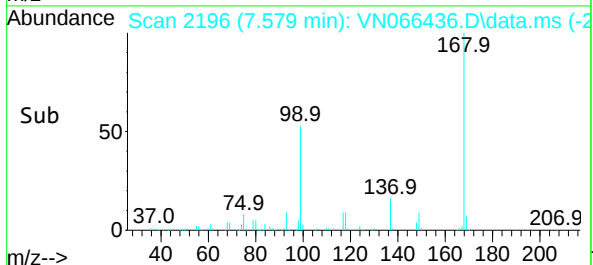
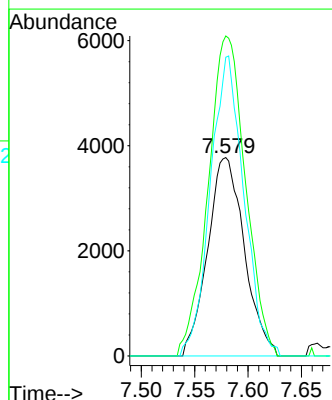
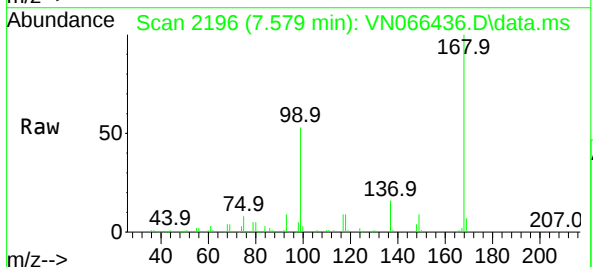
Instrument :
MSVOA_N
ClientSampled :
VN0331WBL01

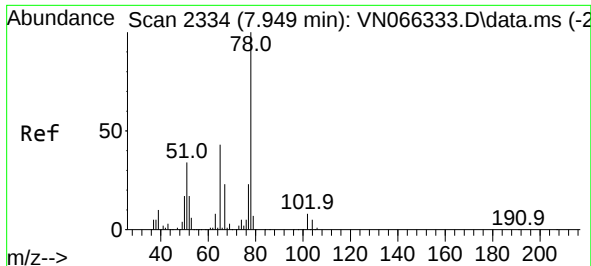
Tgt Ion: 42	Resp: 836
Ion Ratio	Lower Upper
42	100
72	20.5 35.2 52.8#
71	30.1 33.1 49.7#



#31
Cyclohexane
Concen: 1.17 ug/l
RT: 7.579 min Scan# 2196
Delta R.T. 0.011 min
Lab File: VN066436.D
Acq: 31 Mar 2021 11:26

Tgt Ion: 56	Resp: 9014
Ion Ratio	Lower Upper
56	100
69	161.3 26.6 40.0#
84	150.6 68.7 103.1#

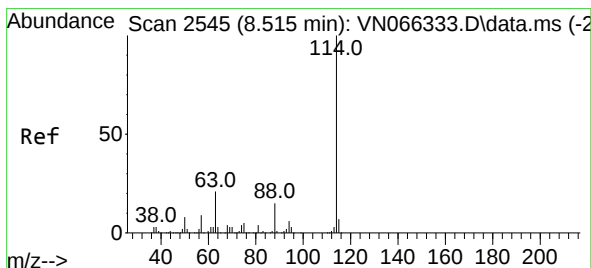
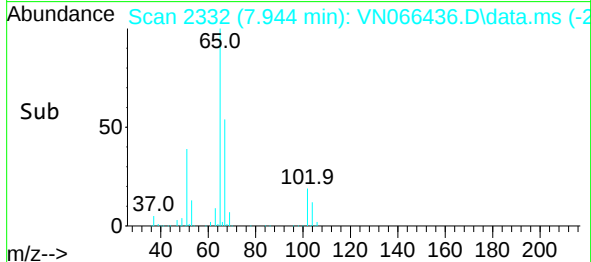
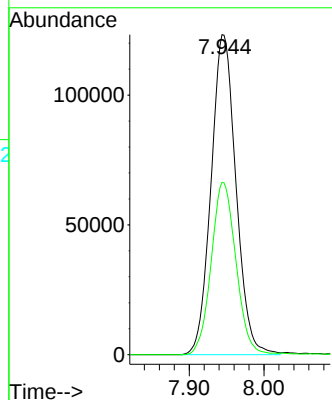
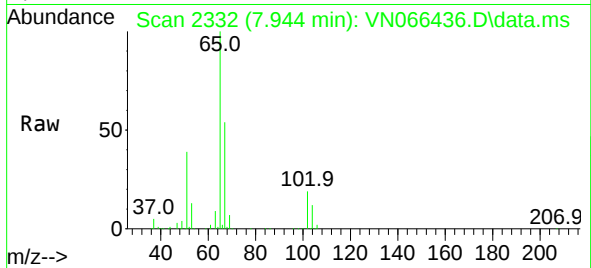




#33
 1,2-Dichloroethane-d4
 Concen: 51.17 ug/l
 RT: 7.944 min Scan# 2332
 Delta R.T. -0.005 min
 Lab File: VN066436.D
 Acq: 31 Mar 2021 11:26

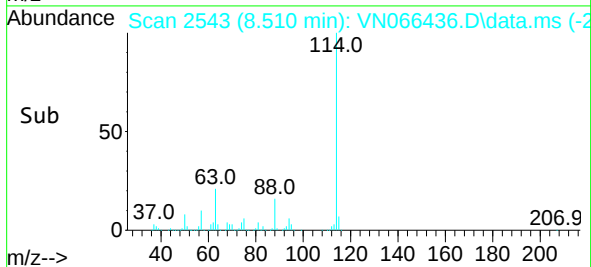
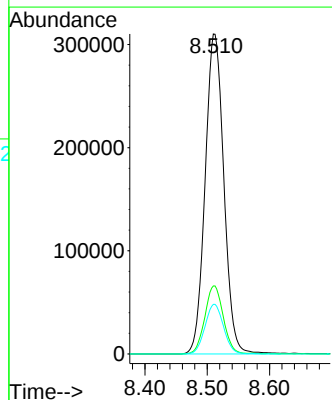
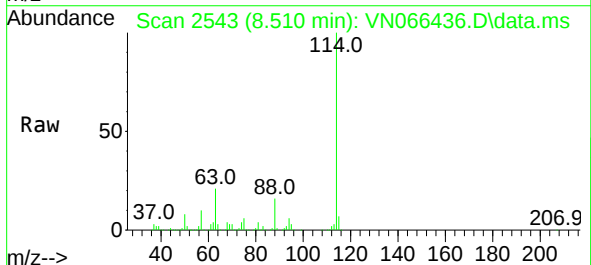
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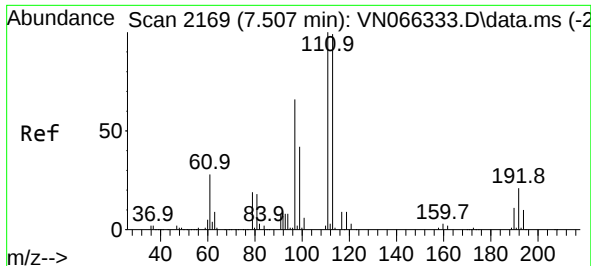
Tgt Ion: 65 Resp: 285317
 Ion Ratio Lower Upper
 65 100
 67 53.3 0.0 105.2



#34
 1,4-Difluorobenzene
 Concen: 50.00 ug/l
 RT: 8.510 min Scan# 2543
 Delta R.T. -0.005 min
 Lab File: VN066436.D
 Acq: 31 Mar 2021 11:26

Tgt Ion: 114 Resp: 646995
 Ion Ratio Lower Upper
 114 100
 63 21.3 0.0 42.0
 88 15.5 0.0 31.0

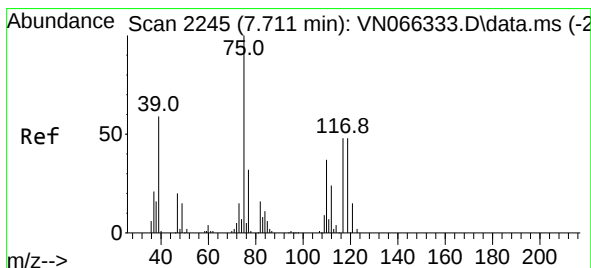
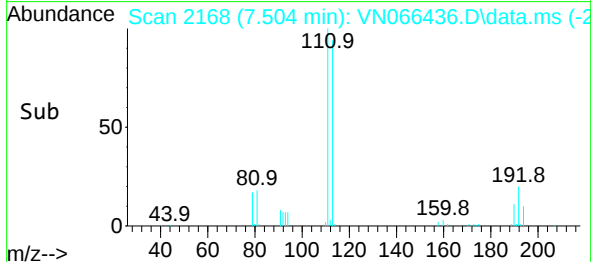
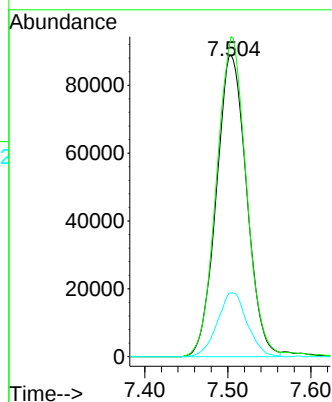
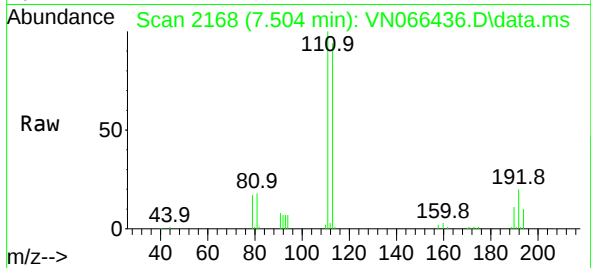




#35
Dibromofluoromethane
Concen: 52.43 ug/l
RT: 7.504 min Scan# 2168
Delta R.T. -0.003 min
Lab File: VN066436.D
Acq: 31 Mar 2021 11:26

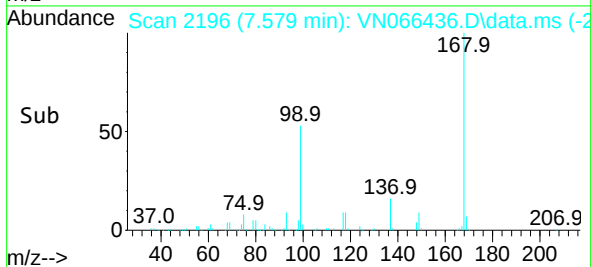
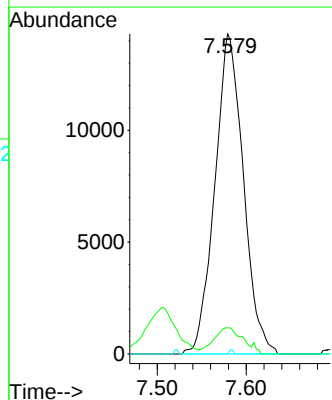
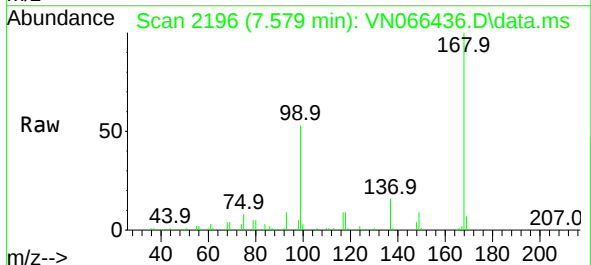
Instrument :
MSVOA_N
ClientSampleId :
VN0331WBL01

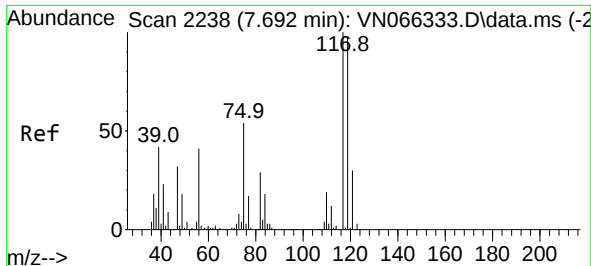
Tgt Ion:113 Resp: 224871
Ion Ratio Lower Upper
113 100
111 104.2 81.8 122.8
192 21.0 17.1 25.7



#36
1,1-Dichloropropene
Concen: 5.23 ug/l
RT: 7.579 min Scan# 2196
Delta R.T. -0.131 min
Lab File: VN066436.D
Acq: 31 Mar 2021 11:26

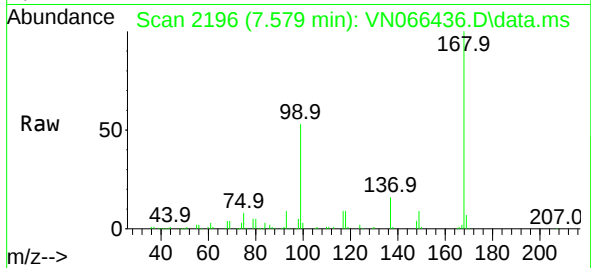
Tgt Ion: 75 Resp: 31811
Ion Ratio Lower Upper
75 100
110 8.5 18.1 54.3#
77 0.2 25.0 37.4#



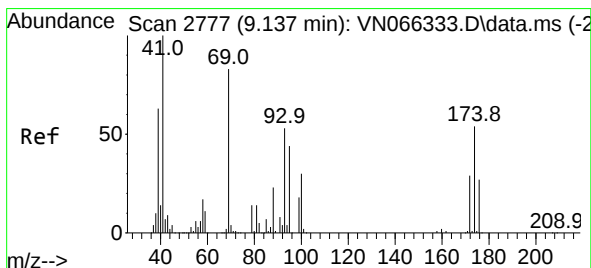
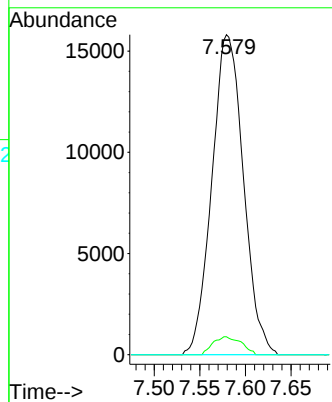
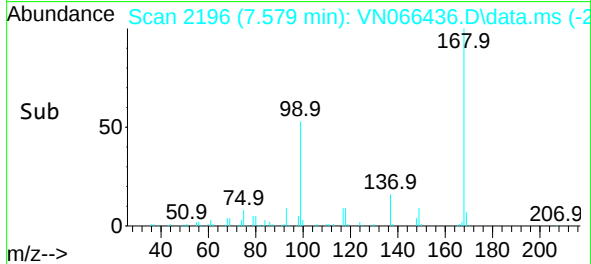


#38
Carbon Tetrachloride
Concen: 6.22 ug/l
RT: 7.579 min Scan# 2196
Delta R.T. -0.113 min
Lab File: VN066436.D
Acq: 31 Mar 2021 11:26

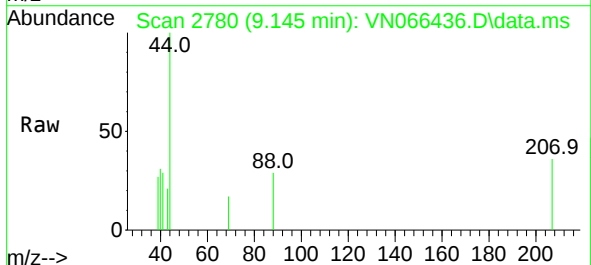
Instrument :
MSVOA_N
ClientSampleId :
VN0331WBL01



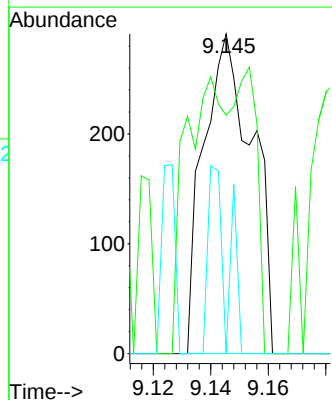
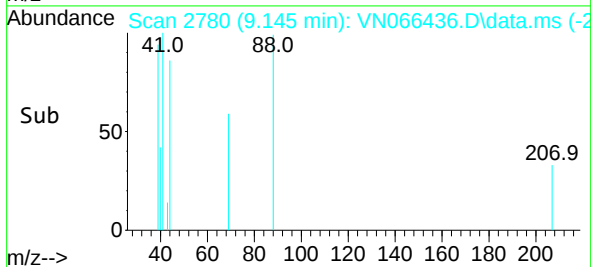
Tgt Ion:117 Resp: 38031
Ion Ratio Lower Upper
117 100
119 5.6 77.2 115.8#
121 0.0 24.2 36.4#

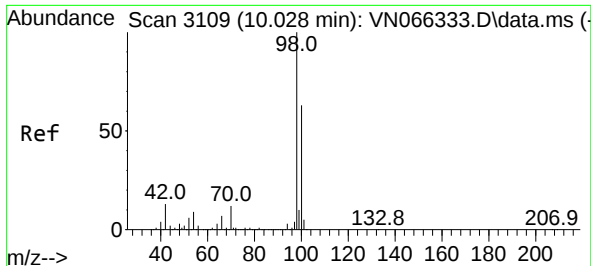


#49
1,4-Dioxane
Concen: 5.02 ug/l
RT: 9.145 min Scan# 2780
Delta R.T. 0.008 min
Lab File: VN066436.D
Acq: 31 Mar 2021 11:26



Tgt Ion: 88 Resp: 343
Ion Ratio Lower Upper
88 100
43 71.4 28.2 42.4#
58 23.0 56.6 84.8#

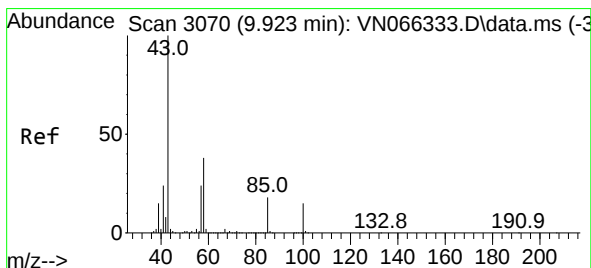
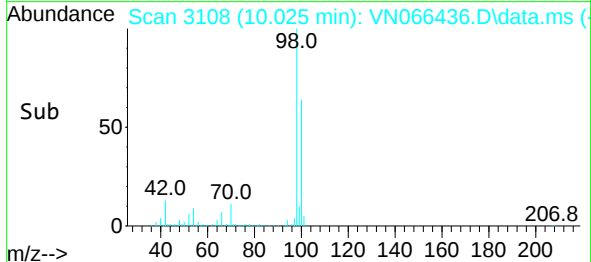
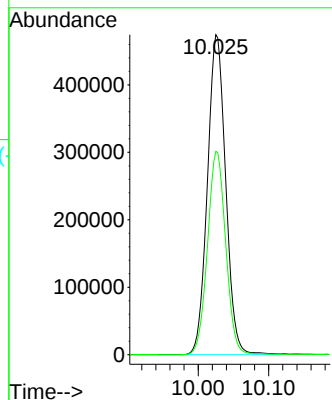
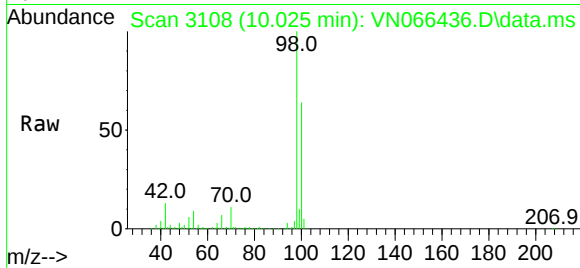




#50
Toluene-d8
Concen: 52.50 ug/l
RT: 10.025 min Scan# 3108
Delta R.T. -0.003 min
Lab File: VN066436.D
Acq: 31 Mar 2021 11:26

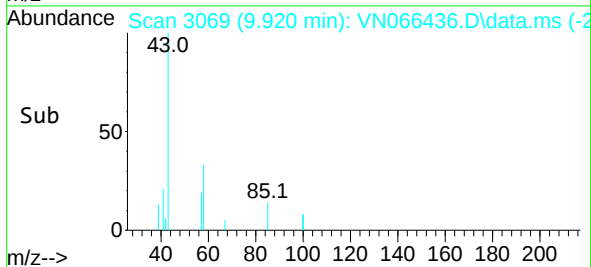
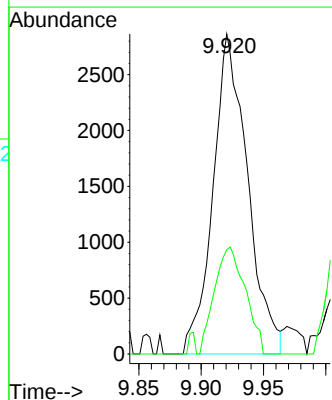
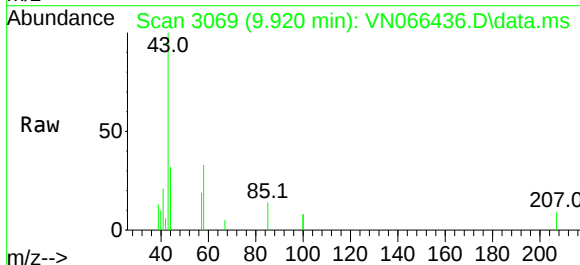
Instrument :
MSVOA_N
ClientSampleId :
VN0331WBL01

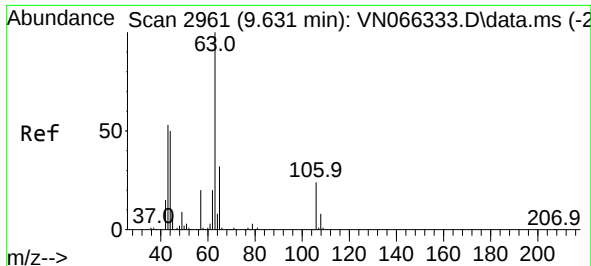
Tgt Ion: 98 Resp: 854029
Ion Ratio Lower Upper
98 100
100 63.4 50.5 75.7



#51
4-Methyl-2-Pentanone
Concen: 0.82 ug/l
RT: 9.920 min Scan# 3069
Delta R.T. -0.003 min
Lab File: VN066436.D
Acq: 31 Mar 2021 11:26

Tgt Ion: 43 Resp: 5507
Ion Ratio Lower Upper
43 100
58 30.0 30.8 46.2#

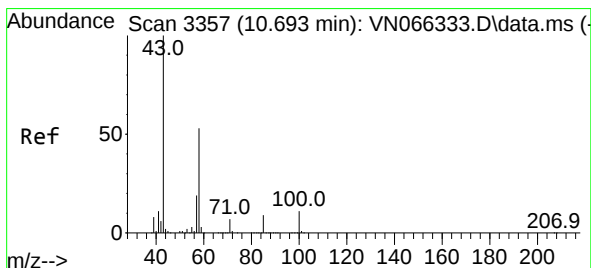
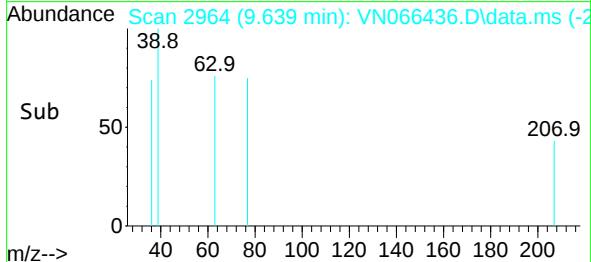
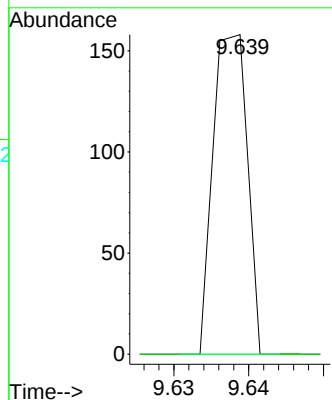
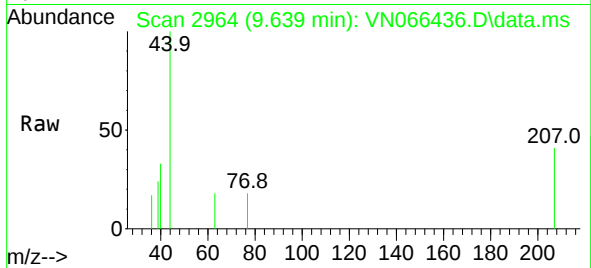




#58
2-Chloroethyl Vinyl ether
Concen: 25.66 ug/l
RT: 9.639 min Scan# 2964
Delta R.T. 0.008 min
Lab File: VN066436.D
Acq: 31 Mar 2021 11:26

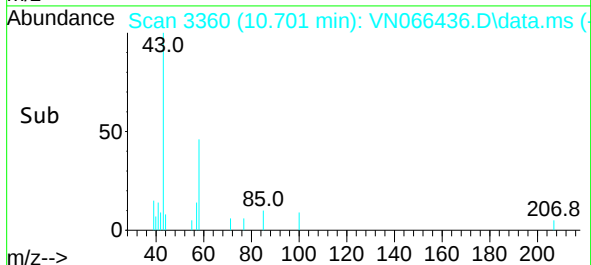
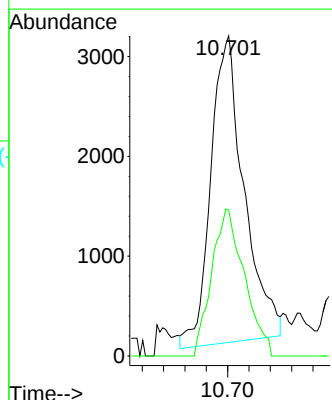
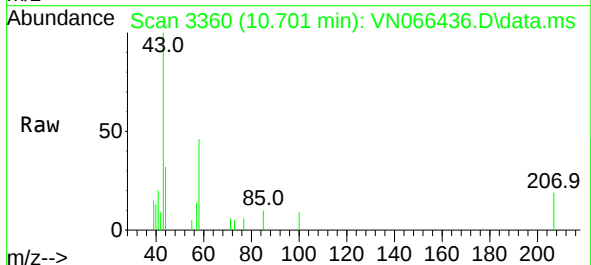
Instrument :
MSVOA_N
ClientSampleId :
VN0331WBL01

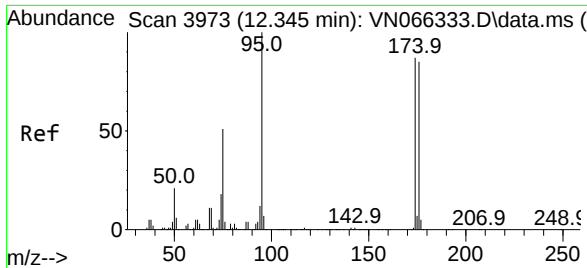
Tgt Ion: 63 Resp: 50
Ion Ratio Lower Upper
63 100
106 0.0 21.0 31.4#



#59
2-Hexanone
Concen: 1.42 ug/l
RT: 10.701 min Scan# 3360
Delta R.T. 0.008 min
Lab File: VN066436.D
Acq: 31 Mar 2021 11:26

Tgt Ion: 43 Resp: 6645
Ion Ratio Lower Upper
43 100
58 47.0 26.6 79.8

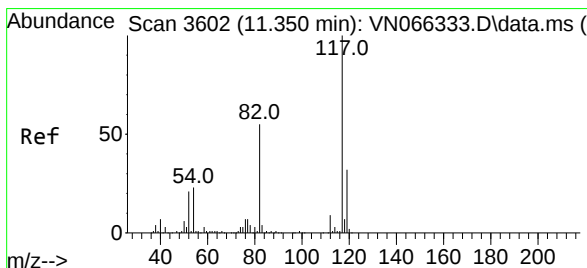
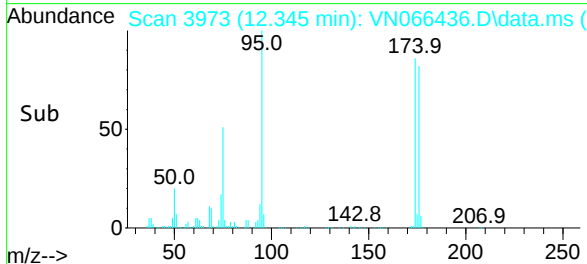
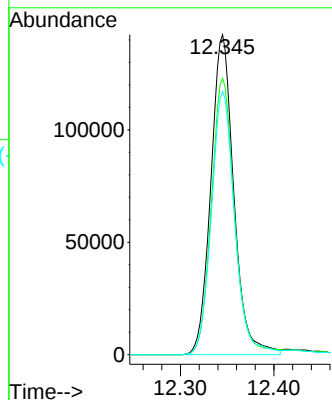
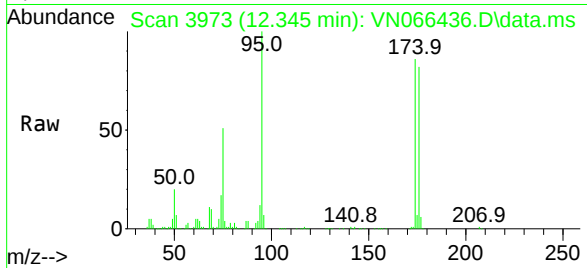




#62
4-Bromofluorobenzene
Concen: 42.99 ug/l
RT: 12.345 min Scan# 3973
Delta R.T. -0.000 min
Lab File: VN066436.D
Acq: 31 Mar 2021 11:26

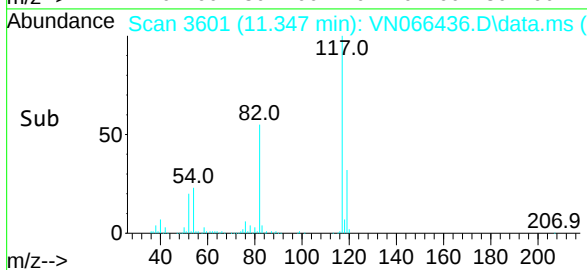
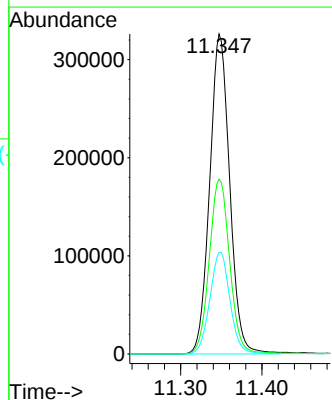
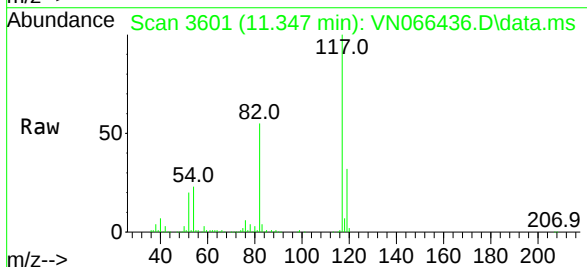
Instrument :
MSVOA_N
ClientSampleId :
VN0331WBL01

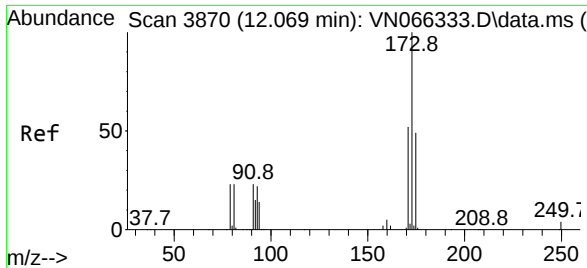
Tgt Ion: 95 Resp: 242934
Ion Ratio Lower Upper
95 100
174 88.9 0.0 172.2
176 83.6 0.0 167.8



#63
Chlorobenzene-d5
Concen: 50.00 ug/l
RT: 11.347 min Scan# 3601
Delta R.T. -0.003 min
Lab File: VN066436.D
Acq: 31 Mar 2021 11:26

Tgt Ion:117 Resp: 557120
Ion Ratio Lower Upper
117 100
82 54.7 44.2 66.4
119 31.8 25.8 38.6

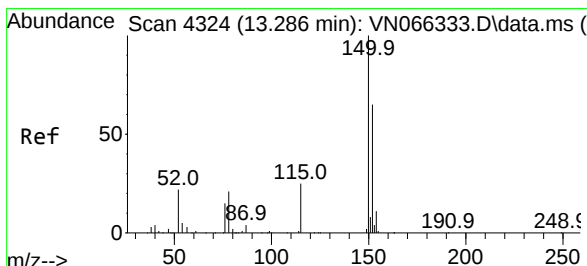
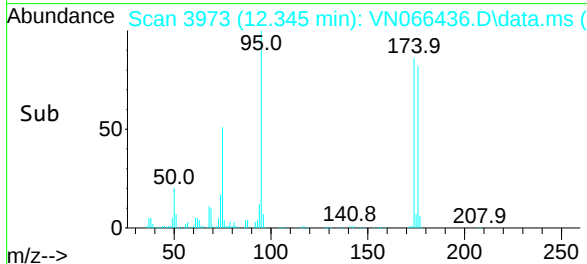
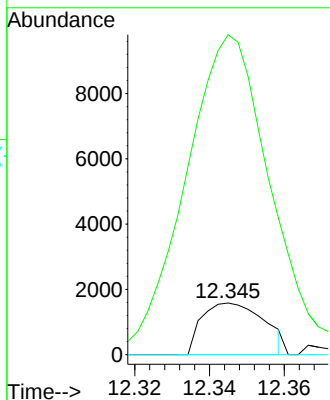
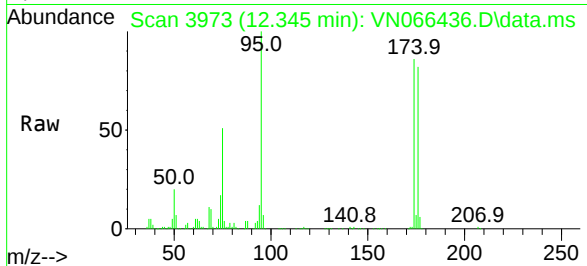




#71
Bromoform
Concen: 0.51 ug/l
RT: 12.345 min Scan# 3973
Delta R.T. 0.276 min
Lab File: VN066436.D
Acq: 31 Mar 2021 11:26

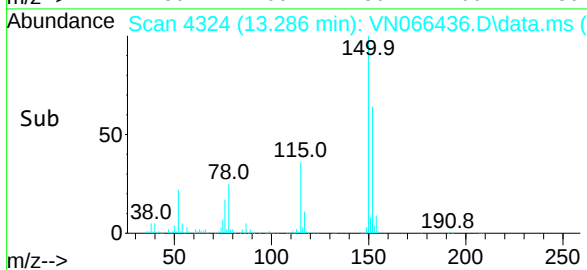
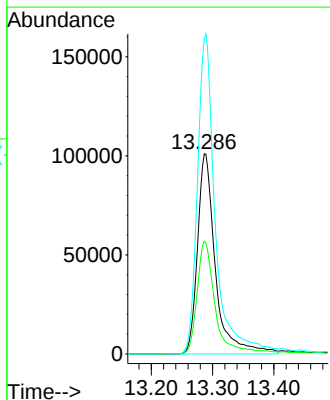
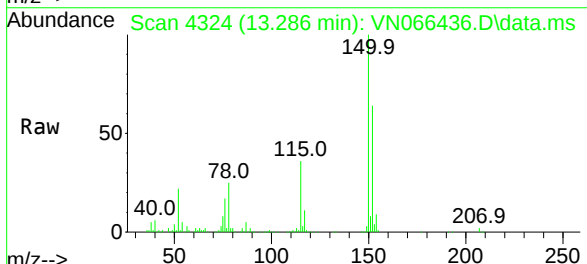
Instrument :
MSVOA_N
ClientSampleId :
VN0331WBL01

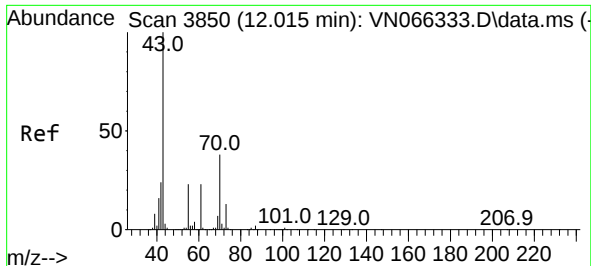
Tgt Ion:173 Resp: 1825
Ion Ratio Lower Upper
173 100
175 770.6 24.3 72.8#
254 0.0 0.0 0.0



#72
1,4-Dichlorobenzene-d4
Concen: 50.00 ug/l
RT: 13.286 min Scan# 4324
Delta R.T. 0.000 min
Lab File: VN066436.D
Acq: 31 Mar 2021 11:26

Tgt Ion:152 Resp: 206164
Ion Ratio Lower Upper
152 100
115 55.5 27.8 83.4
150 158.5 0.0 348.4

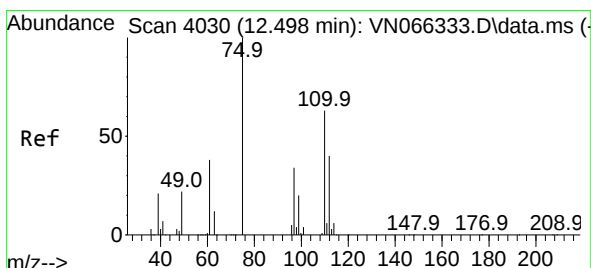
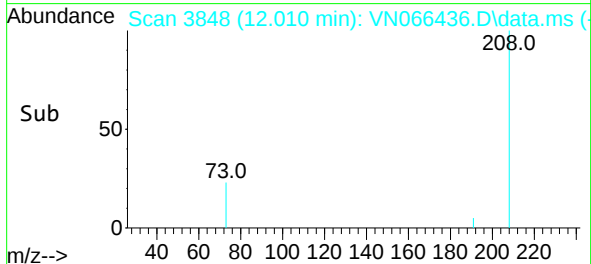
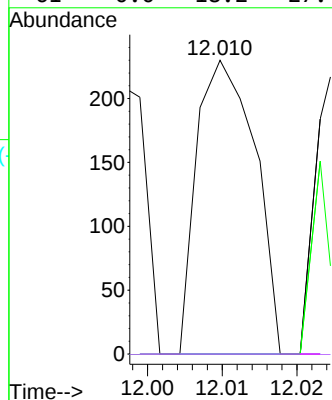
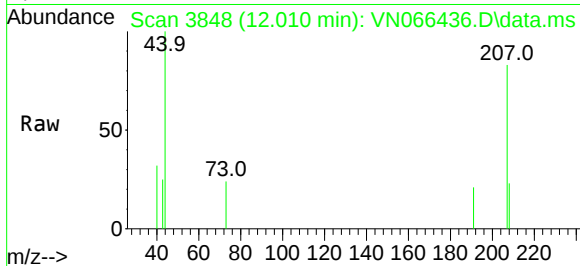




#74
N-amy1 acetate
Concen: 3.21 ug/l
RT: 12.010 min Scan# 3848
Delta R.T. -0.005 min
Lab File: VN066436.D
Acq: 31 Mar 2021 11:26

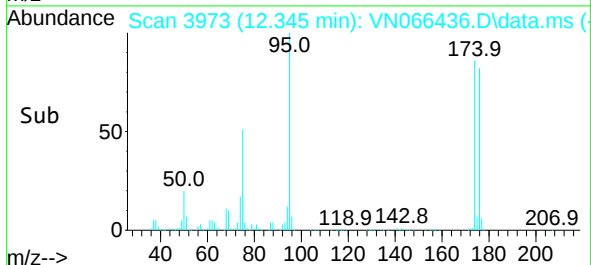
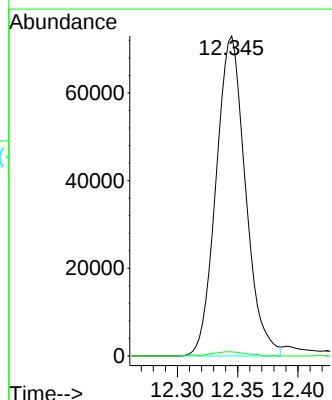
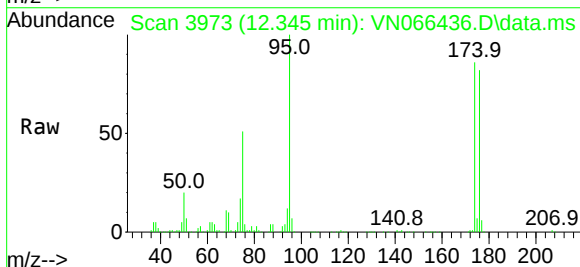
Instrument :
MSVOA_N
ClientSampleId :
VN0331WBL01

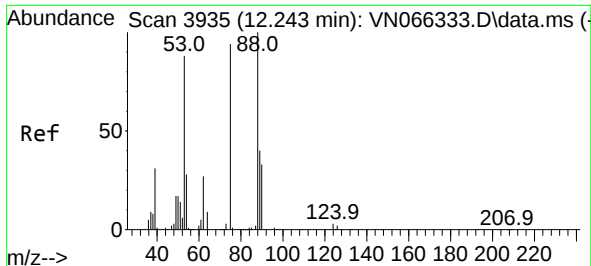
Tgt Ion: 43	Resp: 125
Ion Ratio	Lower Upper
43 100	
70 0.0	31.2 46.8#
55 0.0	18.6 28.0#
61 0.0	18.2 27.4#



#76
1,2,3-Trichloropropane
Concen: 27.33 ug/l
RT: 12.345 min Scan# 3973
Delta R.T. -0.153 min
Lab File: VN066436.D
Acq: 31 Mar 2021 11:26

Tgt Ion: 75	Resp: 123631
Ion Ratio	Lower Upper
75 100	
77 1.5	0.0 0.0#

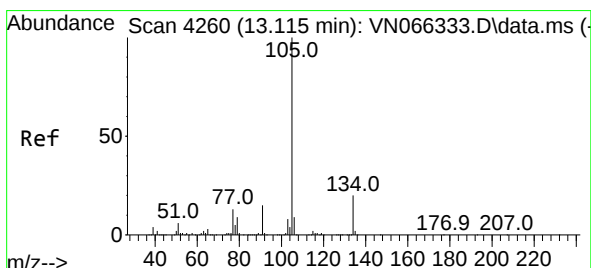
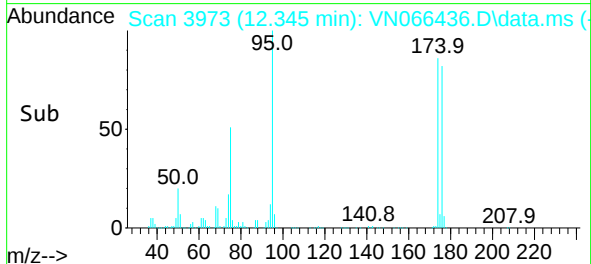
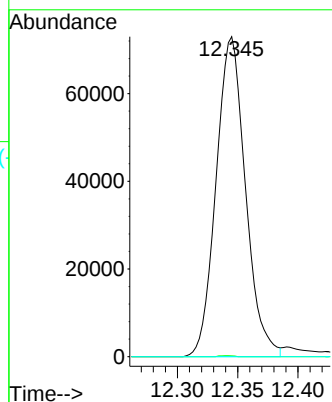
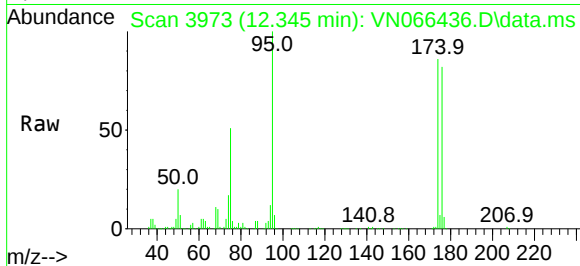




#81
trans-1,4-Dichloro-2-butene
Concen: 82.19 ug/l
RT: 12.345 min Scan# 3973
Delta R.T. 0.102 min
Lab File: VN066436.D
Acq: 31 Mar 2021 11:26

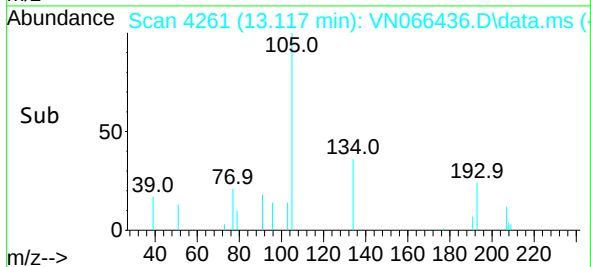
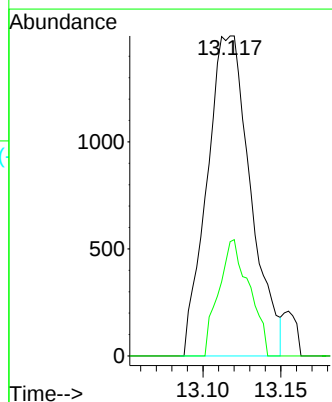
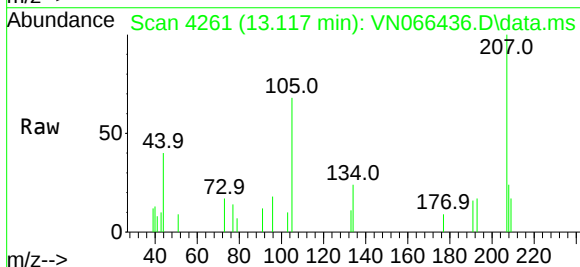
Instrument :
MSVOA_N
ClientSampleId :
VN0331WBL01

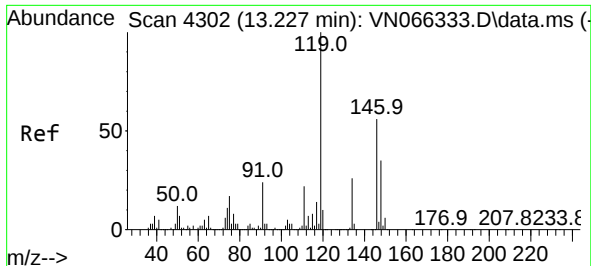
Tgt Ion: 75 Resp: 123631
Ion Ratio Lower Upper
75 100
53 0.1 76.1 114.1#
89 0.0 35.7 53.5#



#85
sec-Butylbenzene
Concen: 0.21 ug/l
RT: 13.117 min Scan# 4261
Delta R.T. 0.003 min
Lab File: VN066436.D
Acq: 31 Mar 2021 11:26

Tgt Ion: 105 Resp: 2906
Ion Ratio Lower Upper
105 100
134 25.5 9.9 29.7

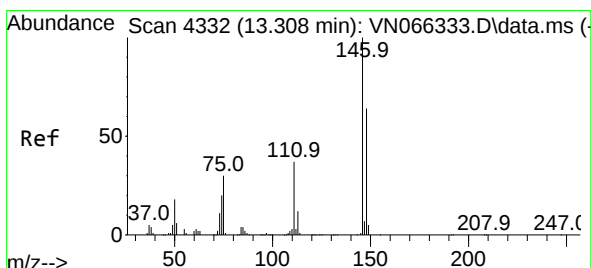
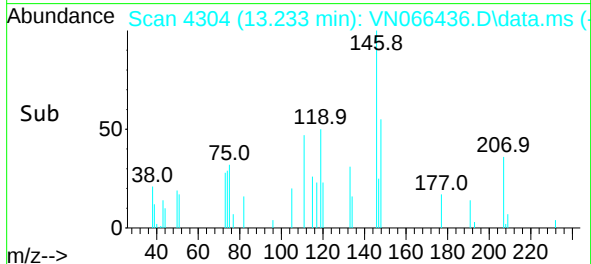
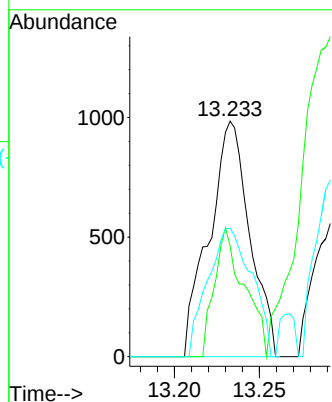
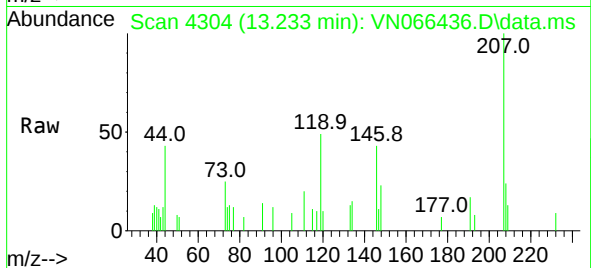




#87
1,3-Dichlorobenzene
Concen: 0.25 ug/l
RT: 13.233 min Scan# 4304
Delta R.T. 0.005 min
Lab File: VN066436.D
Acq: 31 Mar 2021 11:26

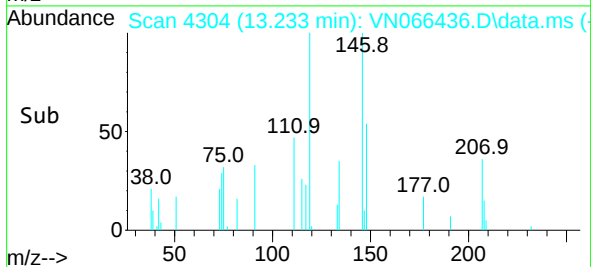
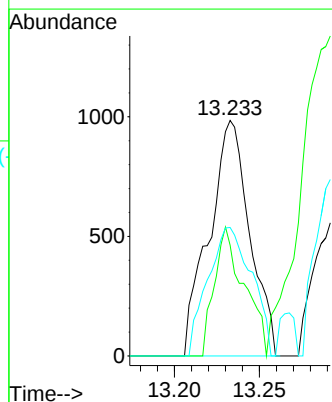
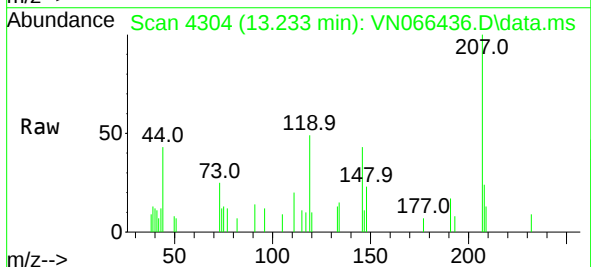
Instrument :
MSVOA_N
ClientSampled :
VN0331WBL01

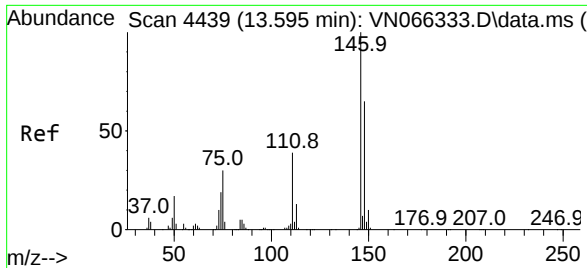
Tgt Ion:146 Resp: 1638
Ion Ratio Lower Upper
146 100
111 40.0 19.4 58.1
148 58.8 31.8 95.4



#88
1,4-Dichlorobenzene
Concen: 0.24 ug/l
RT: 13.233 min Scan# 4304
Delta R.T. -0.075 min
Lab File: VN066436.D
Acq: 31 Mar 2021 11:26

Tgt Ion:146 Resp: 1638
Ion Ratio Lower Upper
146 100
111 40.0 18.3 54.9
148 58.8 31.9 95.9

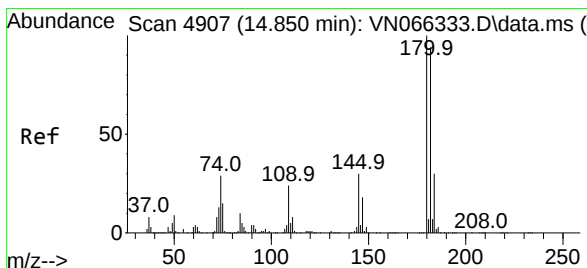
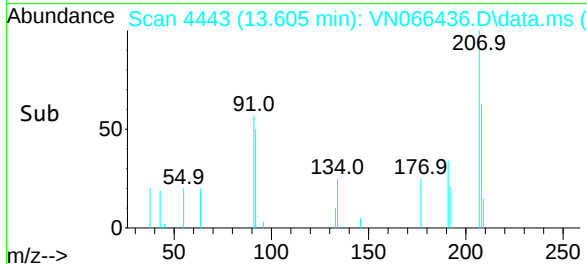
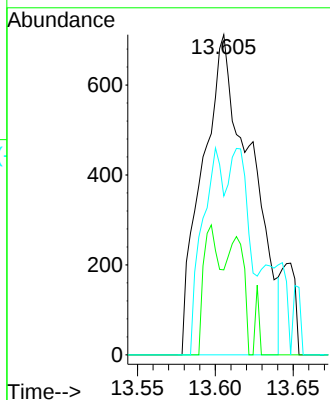
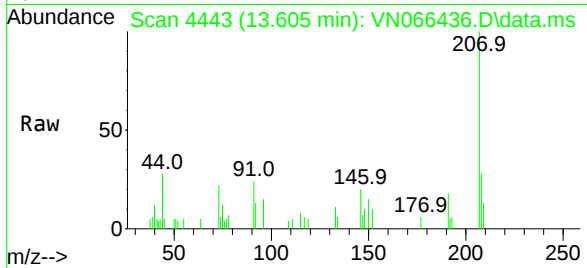




#91
1,2-Dichlorobenzene
Concen: 0.24 ug/l
RT: 13.605 min Scan# 4443
Delta R.T. 0.011 min
Lab File: VN066436.D
Acq: 31 Mar 2021 11:26

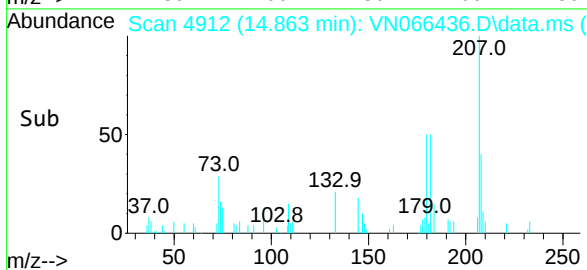
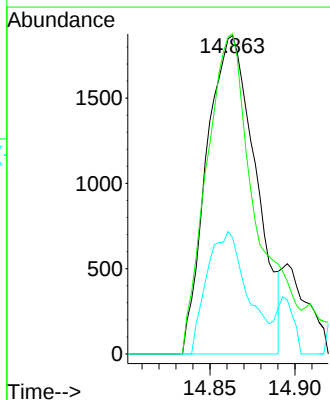
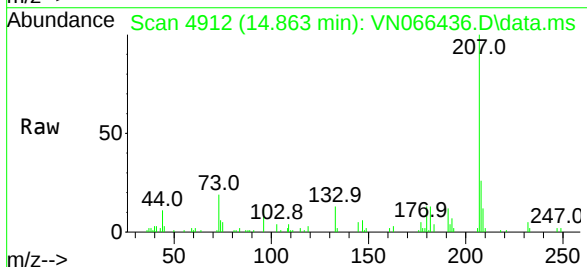
Instrument :
MSVOA_N
ClientSampleId :
VN0331WBL01

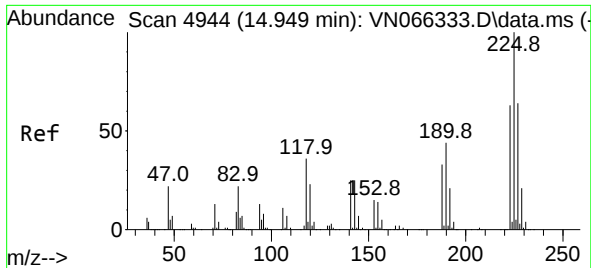
Tgt Ion:146 Resp: 1548
Ion Ratio Lower Upper
146 100
111 14.2 19.7 59.1#
148 28.2 32.3 96.8#



#93
1,2,4-Trichlorobenzene
Concen: 0.94 ug/l
RT: 14.863 min Scan# 4912
Delta R.T. 0.013 min
Lab File: VN066436.D
Acq: 31 Mar 2021 11:26

Tgt Ion:180 Resp: 3726
Ion Ratio Lower Upper
180 100
182 102.2 47.4 142.3
145 31.9 14.2 42.8

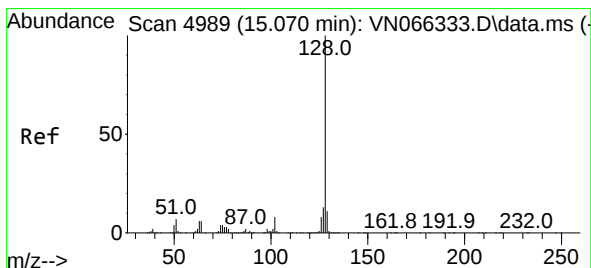
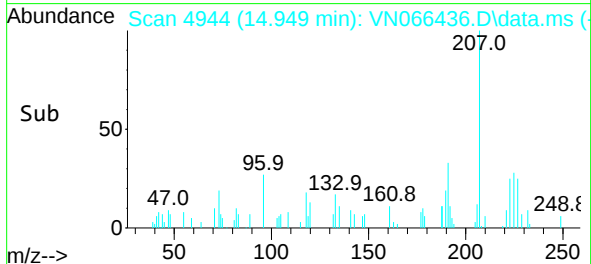
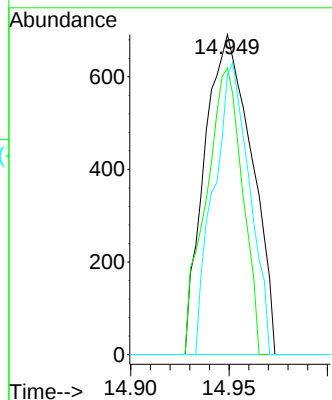
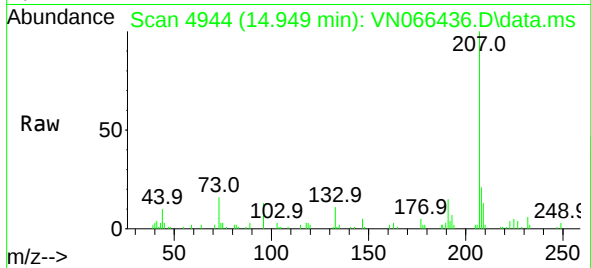




#94
Hexachlorobutadiene
Concen: 0.53 ug/l
RT: 14.949 min Scan# 4944
Delta R.T. -0.000 min
Lab File: VN066436.D
Acq: 31 Mar 2021 11:26

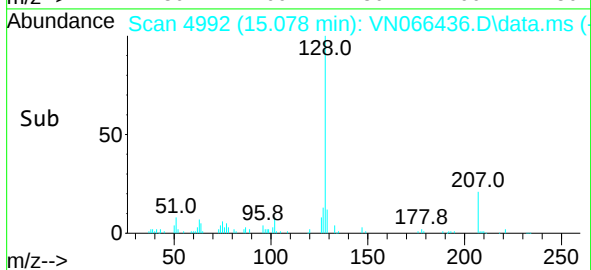
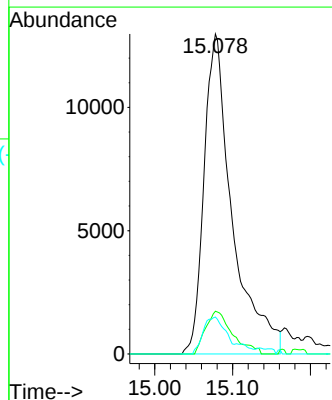
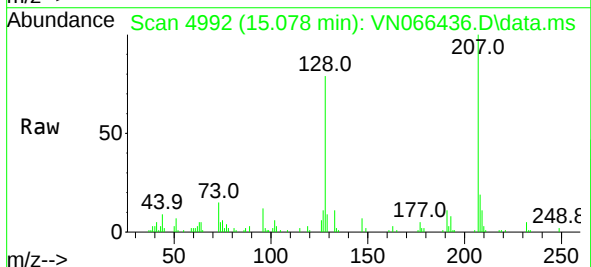
Instrument :
MSVOA_N
ClientSampleId :
VN0331WBL01

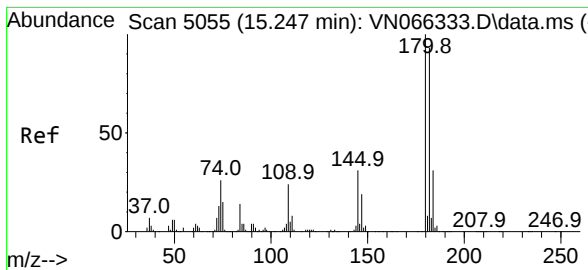
Tgt Ion:	225	Resp:	1149
Ion Ratio	Lower	Upper	
225	100		
223	69.3	31.1	93.5
227	69.3	32.1	96.3



#95
Naphthalene
Concen: 3.81 ug/l
RT: 15.078 min Scan# 4992
Delta R.T. 0.008 min
Lab File: VN066436.D
Acq: 31 Mar 2021 11:26

Tgt Ion:	128	Resp:	32705
Ion Ratio	Lower	Upper	
128	100		
127	12.7	10.5	15.7
129	9.1	8.5	12.7





#96
 1,2,3-Trichlorobenzene
 Concen: 1.44 ug/l
 RT: 15.255 min Scan# 5058
 Delta R.T. 0.008 min
 Lab File: VN066436.D
 Acq: 31 Mar 2021 11:26

Instrument :
 MSVOA_N
 ClientSampleId :
 VN0331WBL01

Tgt Ion:	180	Resp:	5722
Ion	Ratio	Lower	Upper
180	100		
182	87.2	47.6	142.9
145	29.5	15.4	46.1

