

Data Path : Z:\voasrv\HPCHEM1\MSVOA_N\Data\VN020122\
 Data File : VN070870.D
 Acq On : 1 Feb 2022 13:58
 Operator : JC/MD
 Sample : VN0201WBL01
 Misc : 5.00mL/MSVOA_N/WATER
 ALS Vial : 4 Sample Multiplier: 1

Instrument :
 MSVOA_N
 ClientSampleId :
 VN0201WBL01

Quant Time: Feb 02 00:34:24 2022
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA_N\methods\82N011822W.M
 Quant Title : SW846 8260
 QLast Update : Tue Jan 18 13:32:07 2022
 Response via : Initial Calibration

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

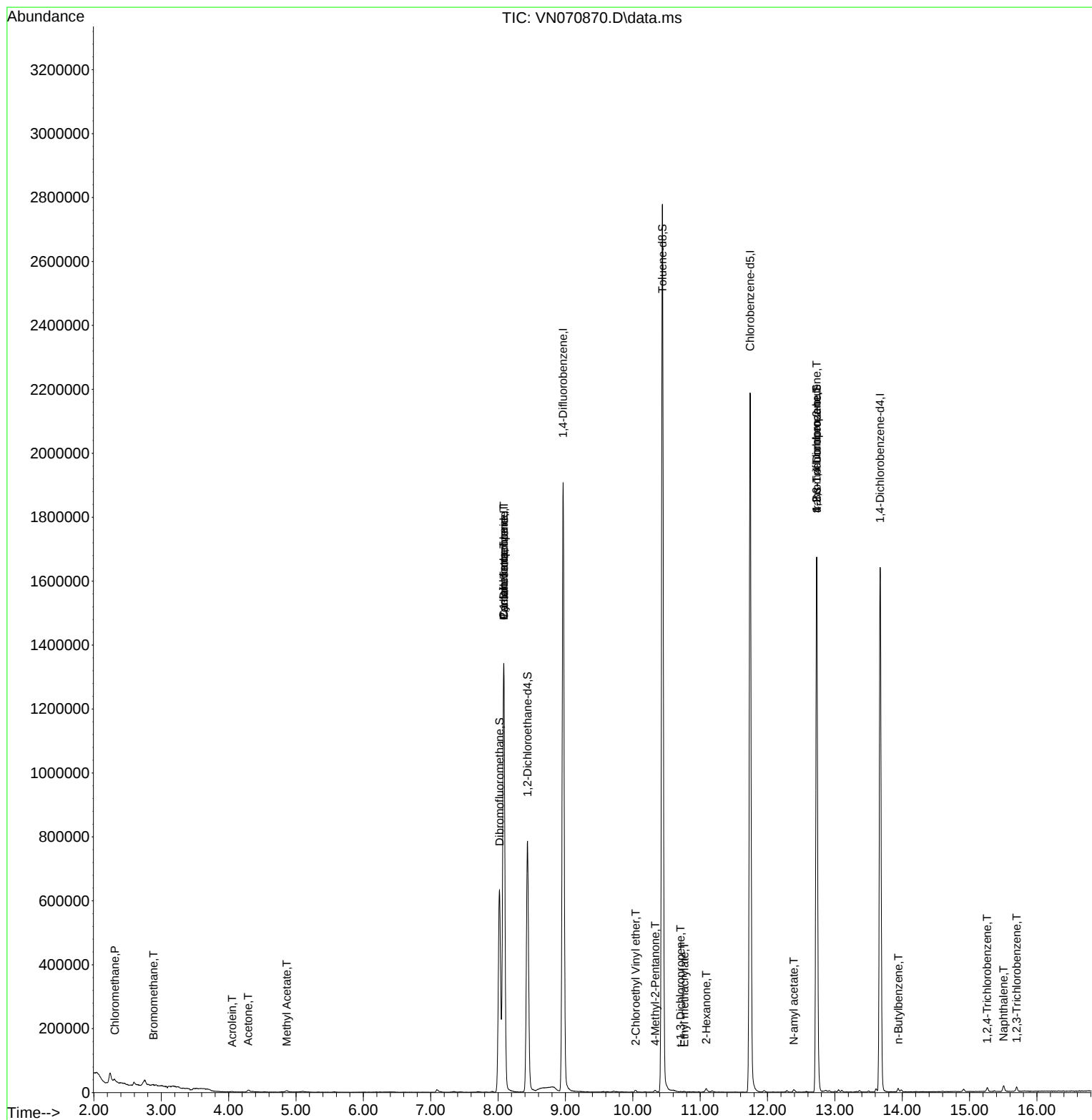
Internal Standards						
1) Pentafluorobenzene	8.086	168	1023820	50.000	ug/l	0.00
34) 1,4-Difluorobenzene	8.965	114	1631238	50.000	ug/l	0.00
63) Chlorobenzene-d5	11.744	117	1278917	50.000	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.672	152	461596	50.000	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	8.437	65	661958	45.114	ug/l	0.00
Spiked Amount 50.000	Range 61 - 141		Recovery =	90.220%		
35) Dibromofluoromethane	8.021	113	473987	46.843	ug/l	0.00
Spiked Amount 50.000	Range 69 - 133		Recovery =	93.680%		
50) Toluene-d8	10.440	98	1966386	46.130	ug/l	0.00
Spiked Amount 50.000	Range 65 - 126		Recovery =	92.260%		
62) 4-Bromofluorobenzene	12.731	95	633350	41.695	ug/l	0.00
Spiked Amount 50.000	Range 58 - 135		Recovery =	83.400%		
Target Compounds						Qvalue
3) Chloromethane	2.309	50	3582	0.207	ug/l #	84
5) Bromomethane	2.883	94	2349	0.274	ug/l #	81
13) Acrolein	4.052	56	1579	0.416	ug/l #	79
16) Acetone	4.288	43	3050	0.299	ug/l	89
18) Methyl Acetate	4.862	43	7930	0.396	ug/l #	76
30) Chloroform	7.823	83	66	Below Cal	#	18
31) Cyclohexane	8.083	56	23450	0.908	ug/l #	1
36) 1,1-Dichloropropene	8.083	75	83327	4.892	ug/l #	48
38) Carbon Tetrachloride	8.086	117	103849	6.853	ug/l #	16
51) 4-Methyl-2-Pentanone	10.333	43	4884	0.222	ug/l	97
53) t-1,3-Dichloropropene	10.709	75	603	2.432	ug/l	92
56) Ethyl methacrylate	10.765	69	1243	2.352	ug/l #	73
58) 2-Chloroethyl Vinyl ether	10.044	63	2643	21.641	ug/l #	66
59) 2-Hexanone	11.090	43	11251	0.703	ug/l	75
74) N-amyl acetate	12.390	43	6200	0.347	ug/l #	79
76) 1,2,3-Trichloropropane	12.731	75	334847	27.351	ug/l #	1
81) trans-1,4-Dichloro-2-b...	12.731	75	334847	81.482	ug/l #	5
89) n-Butylbenzene	13.943	91	6903	0.255	ug/l	99
93) 1,2,4-Trichlorobenzene	15.260	180	4976	3.969	ug/l	85
95) Naphthalene	15.504	128	17261	5.598	ug/l	98
96) 1,2,3-Trichlorobenzene	15.700	180	5018	3.792	ug/l	88

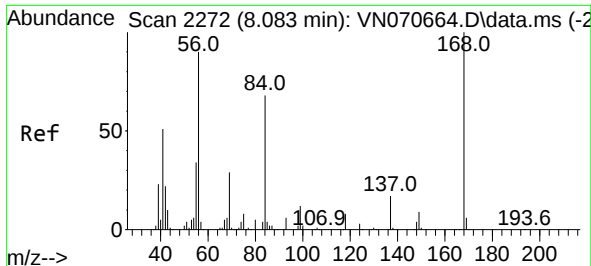
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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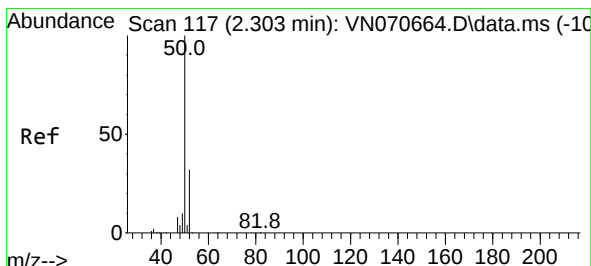
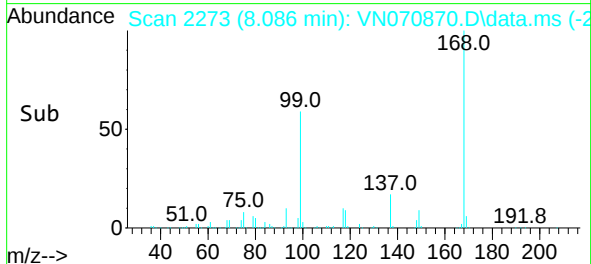
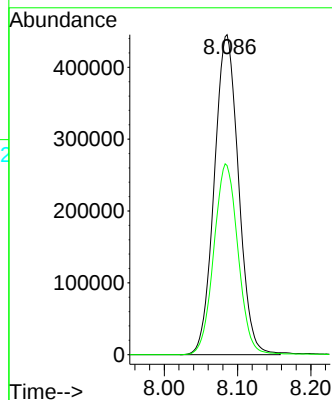
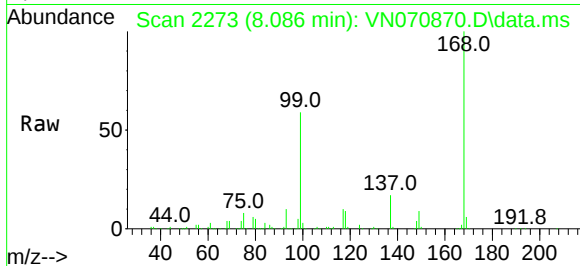




#1
Pentafluorobenzene
Concen: 50.000 ug/l
RT: 8.086 min Scan# 21
Delta R.T. 0.003 min
Lab File: VN070870.D
Acq: 1 Feb 2022 13:58

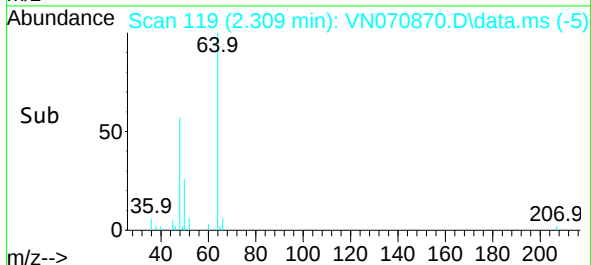
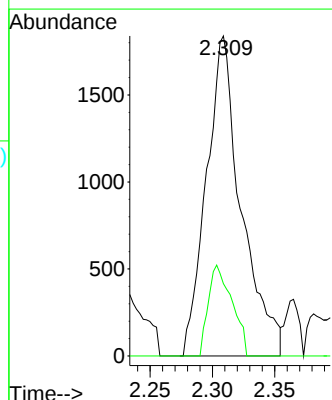
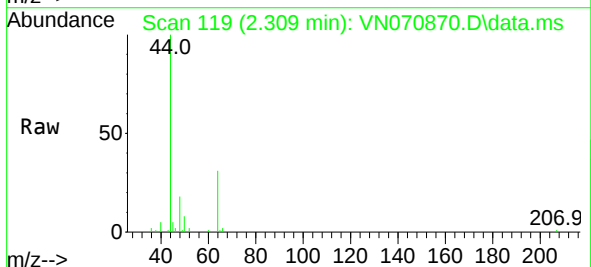
Instrument :
MSVOA_N
ClientSampleId :
VN0201WBL01

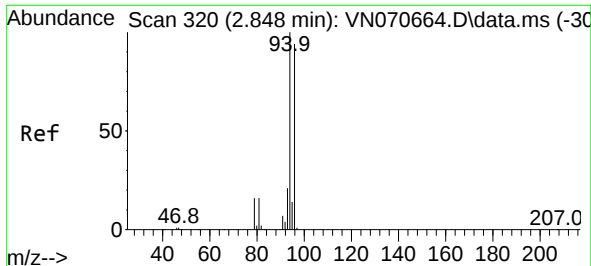
Tgt Ion:168 Resp: 1023820
Ion Ratio Lower Upper
168 100
99 59.1 41.3 61.9



#3
Chloromethane
Concen: 0.207 ug/l
RT: 2.309 min Scan# 119
Delta R.T. 0.006 min
Lab File: VN070870.D
Acq: 1 Feb 2022 13:58

Tgt Ion: 50 Resp: 3582
Ion Ratio Lower Upper
50 100
52 22.6 25.4 38.0#

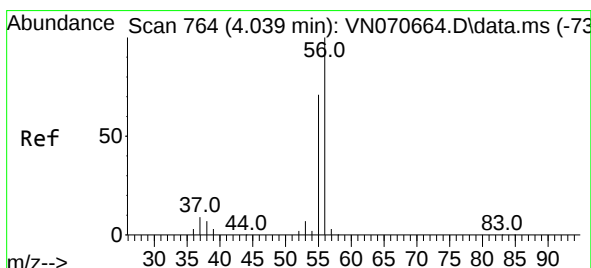
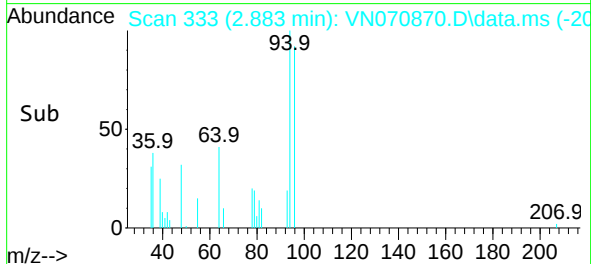
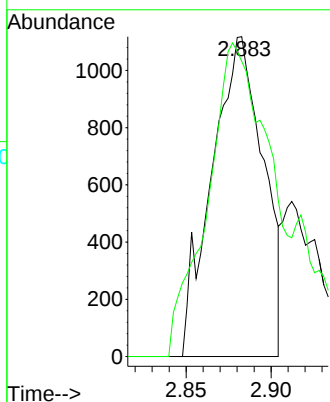
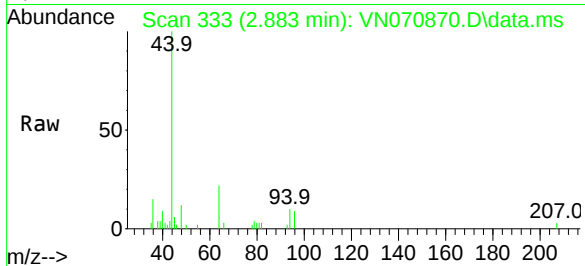




#5
Bromomethane
Concen: 0.274 ug/l
RT: 2.883 min Scan# 311
Delta R.T. 0.035 min
Lab File: VN070870.D
Acq: 1 Feb 2022 13:58

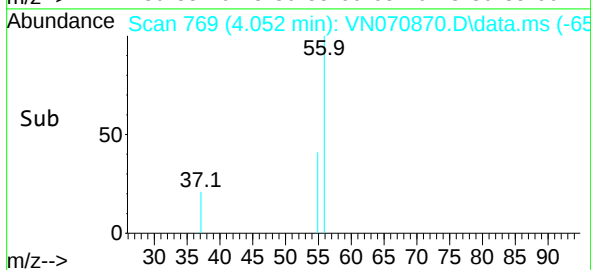
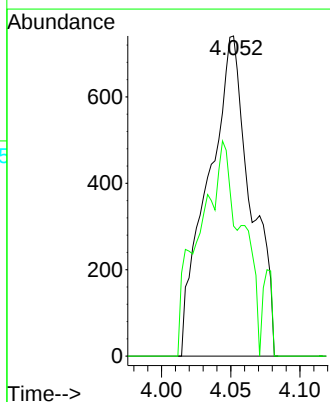
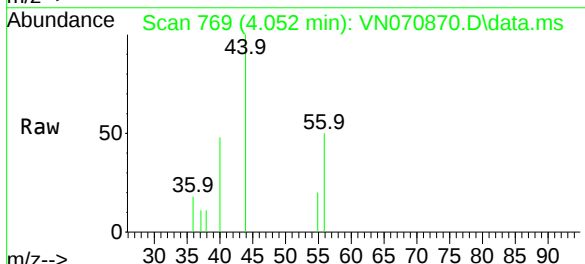
Instrument :
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ClientSampleId :
VN0201WBL01

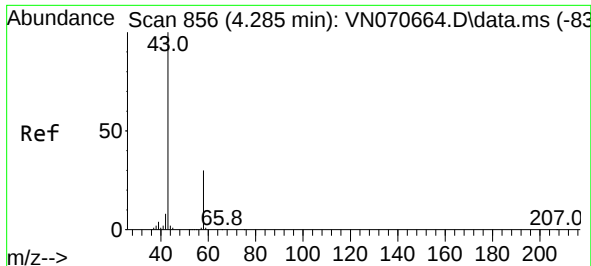
Tgt Ion: 94 Resp: 2349
Ion Ratio Lower Upper
94 100
96 73.7 73.8 110.8#



#13
Acrolein
Concen: 0.416 ug/l
RT: 4.052 min Scan# 769
Delta R.T. 0.013 min
Lab File: VN070870.D
Acq: 1 Feb 2022 13:58

Tgt Ion: 56 Resp: 1579
Ion Ratio Lower Upper
56 100
55 53.5 56.6 85.0#

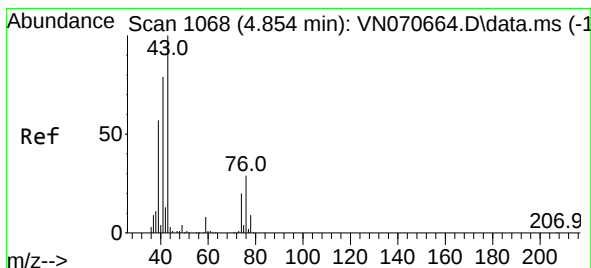
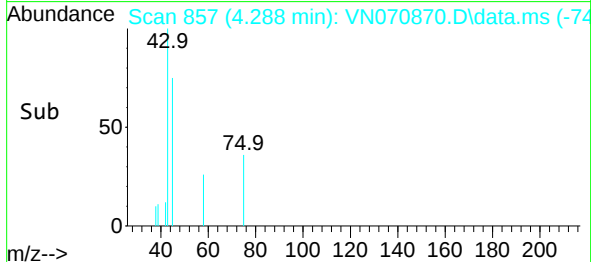
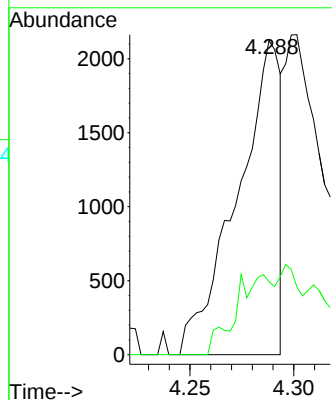
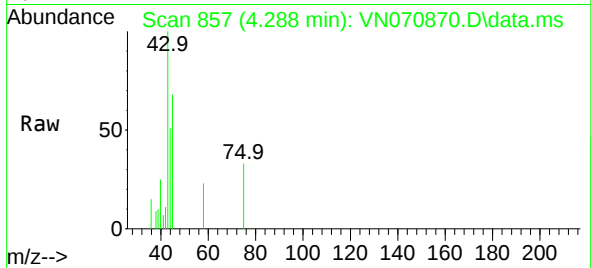




#16
Acetone
Concen: 0.299 ug/l
RT: 4.288 min Scan# 81
Delta R.T. 0.003 min
Lab File: VN070870.D
Acq: 1 Feb 2022 13:58

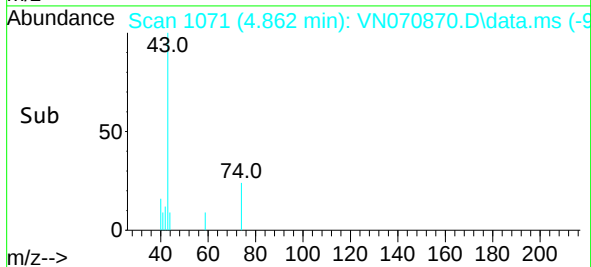
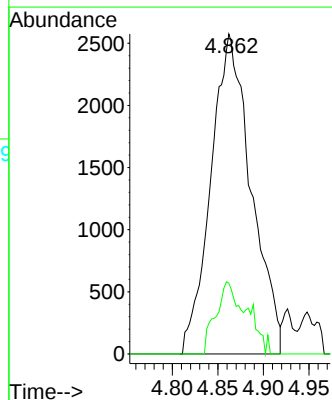
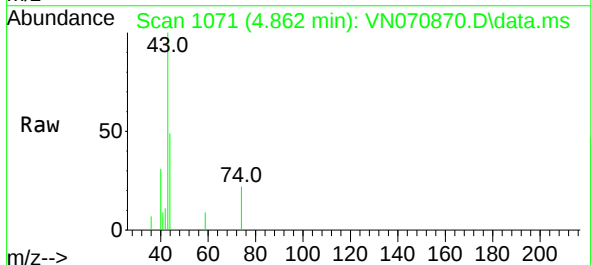
Instrument :
MSVOA_N
ClientSampleId :
VN0201WBL01

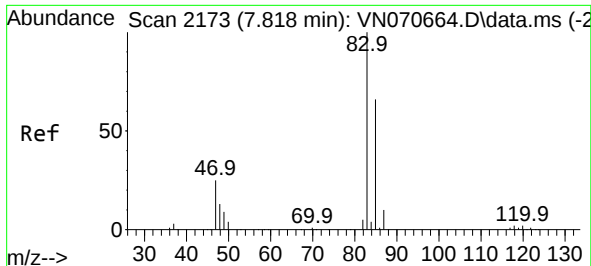
Tgt Ion: 43 Resp: 3050
Ion Ratio Lower Upper
43 100
58 23.2 23.1 34.7



#18
Methyl Acetate
Concen: 0.396 ug/l
RT: 4.862 min Scan# 1071
Delta R.T. 0.008 min
Lab File: VN070870.D
Acq: 1 Feb 2022 13:58

Tgt Ion: 43 Resp: 7930
Ion Ratio Lower Upper
43 100
74 12.6 19.4 29.2#

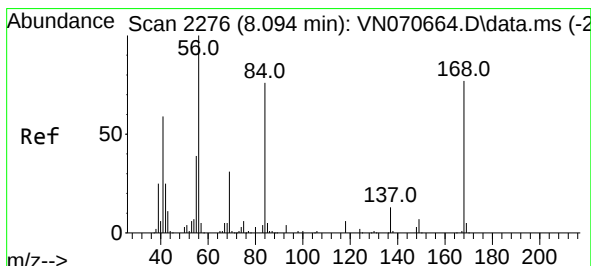
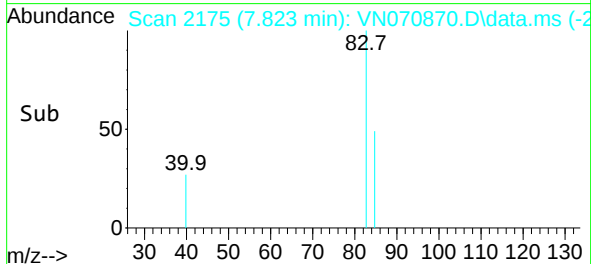
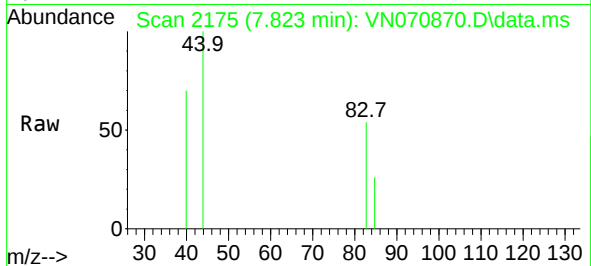




#30
Chloroform
Concen: Below Cal
RT: 7.823 min Scan# 2175
Delta R.T. 0.005 min
Lab File: VN070870.D
Acq: 1 Feb 2022 13:58

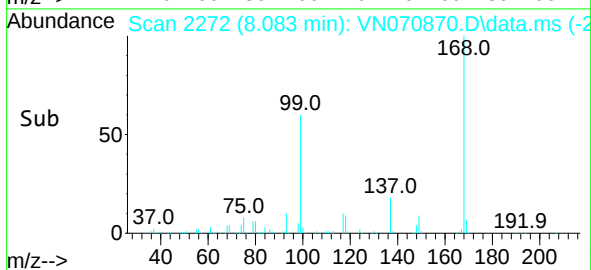
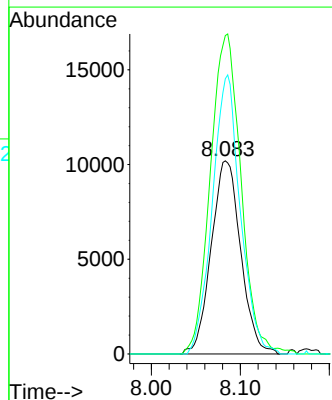
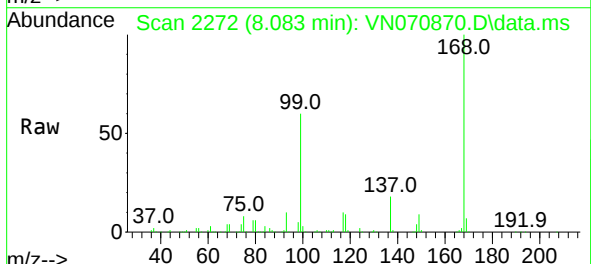
Instrument :
MSVOA_N
ClientSampleId :
VN0201WBL01

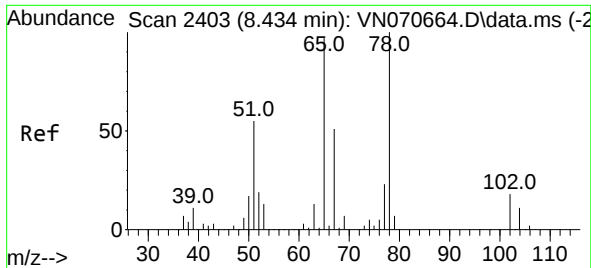
Tgt Ion: 83 Resp: 66
Ion Ratio Lower Upper
83 100
85 0.0 51.9 77.9#



#31
Cyclohexane
Concen: 0.908 ug/l
RT: 8.083 min Scan# 2272
Delta R.T. -0.011 min
Lab File: VN070870.D
Acq: 1 Feb 2022 13:58

Tgt Ion: 56 Resp: 23450
Ion Ratio Lower Upper
56 100
69 164.8 27.1 40.7#
84 142.5 73.4 110.0#

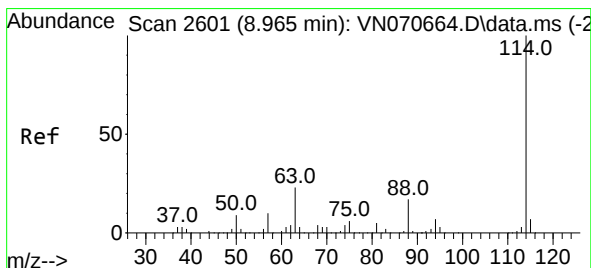
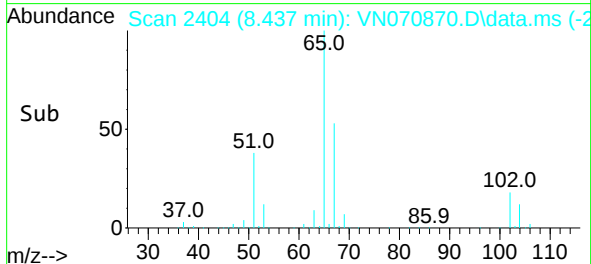
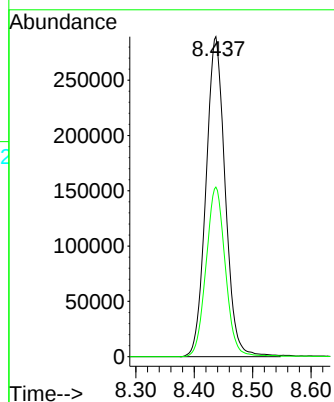
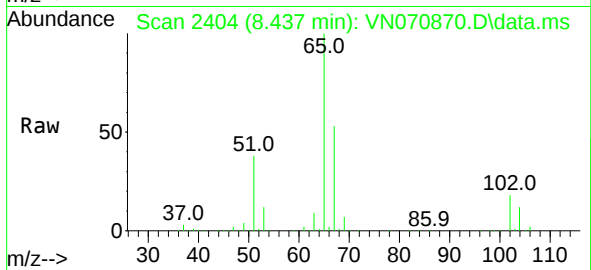




#33
 1,2-Dichloroethane-d4
 Concen: 45.114 ug/l
 RT: 8.437 min Scan# 2403
 Delta R.T. 0.003 min
 Lab File: VN070870.D
 Acq: 1 Feb 2022 13:58

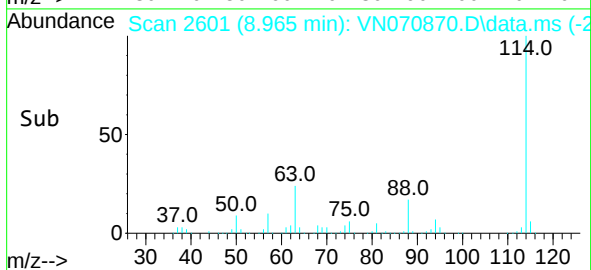
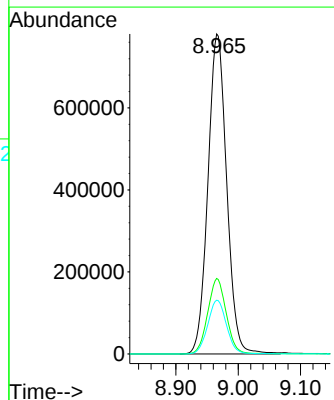
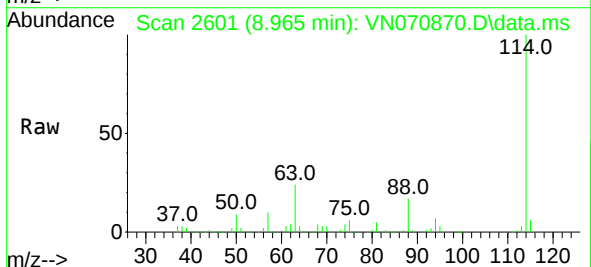
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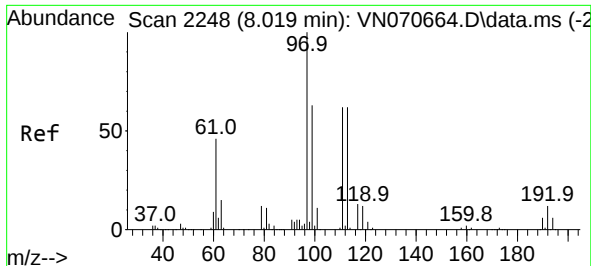
Tgt Ion: 65 Resp: 661958
 Ion Ratio Lower Upper
 65 100
 67 53.0 0.0 103.0



#34
 1,4-Difluorobenzene
 Concen: 50.000 ug/l
 RT: 8.965 min Scan# 2601
 Delta R.T. 0.000 min
 Lab File: VN070870.D
 Acq: 1 Feb 2022 13:58

Tgt Ion: 114 Resp: 1631238
 Ion Ratio Lower Upper
 114 100
 63 23.6 0.0 37.8
 88 16.8 0.0 27.4

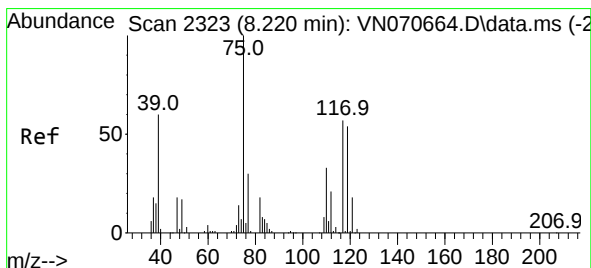
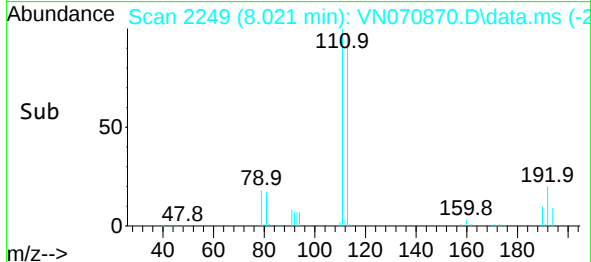
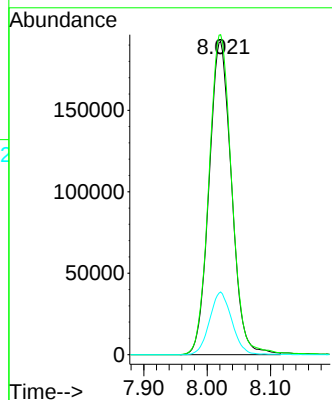
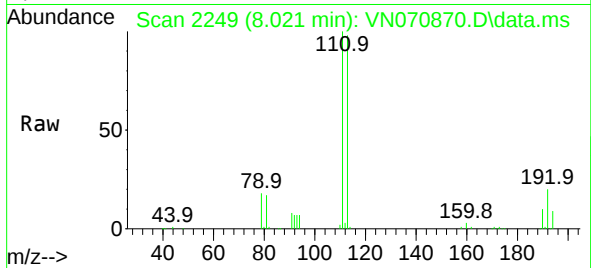




#35
 Dibromofluoromethane
 Concen: 46.843 ug/l
 RT: 8.021 min Scan# 21
 Delta R.T. 0.002 min
 Lab File: VN070870.D
 Acq: 1 Feb 2022 13:58

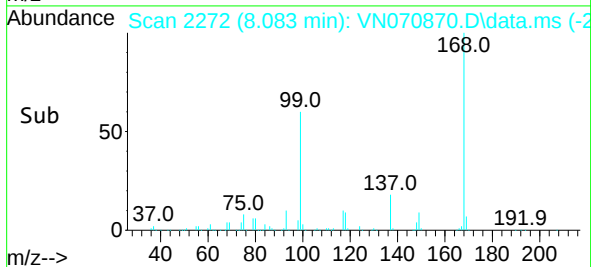
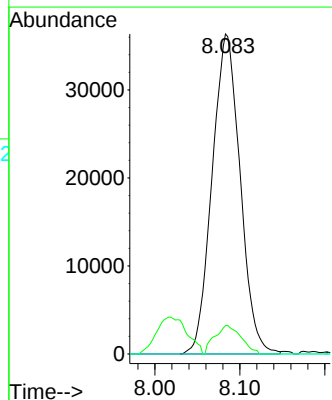
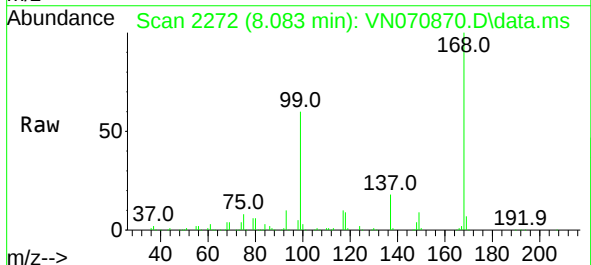
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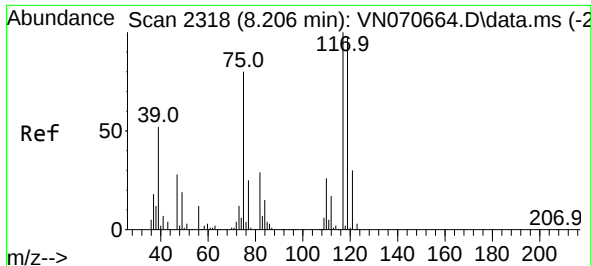
Tgt Ion:113 Resp: 473987
 Ion Ratio Lower Upper
 113 100
 111 103.8 82.2 123.2
 192 19.7 16.9 25.3



#36
 1,1-Dichloropropene
 Concen: 4.892 ug/l
 RT: 8.083 min Scan# 2272
 Delta R.T. -0.137 min
 Lab File: VN070870.D
 Acq: 1 Feb 2022 13:58

Tgt Ion: 75 Resp: 83327
 Ion Ratio Lower Upper
 75 100
 110 8.4 18.4 55.2#
 77 0.0 24.4 36.6#

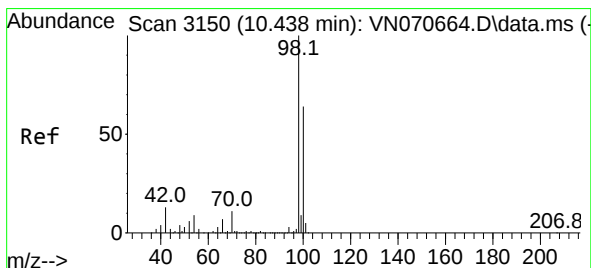
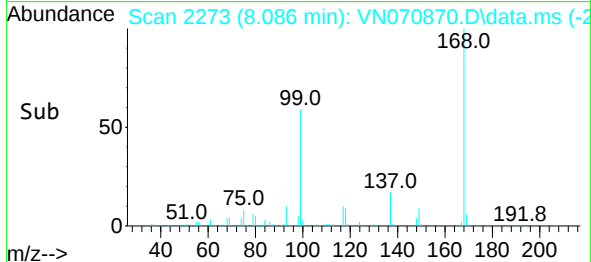
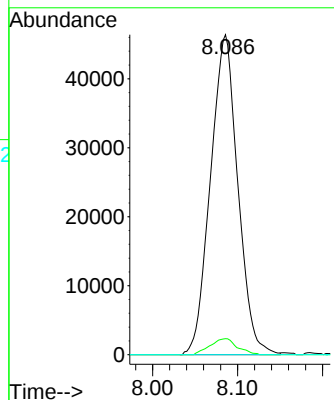
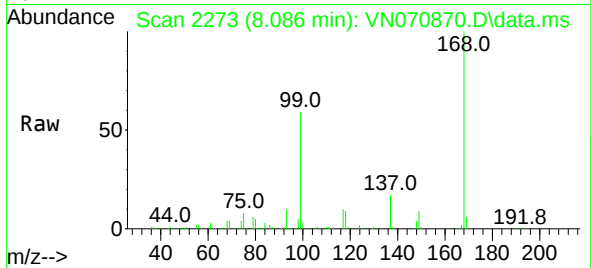




#38
Carbon Tetrachloride
Concen: 6.853 ug/l
RT: 8.086 min Scan# 211
Delta R.T. -0.120 min
Lab File: VN070870.D
Acq: 1 Feb 2022 13:58

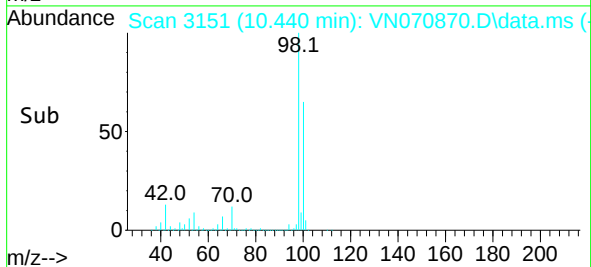
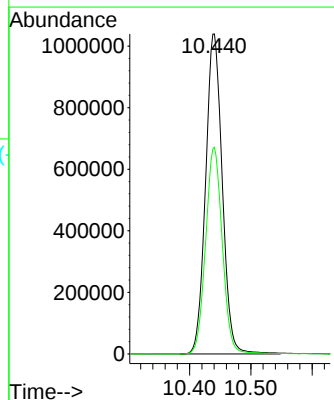
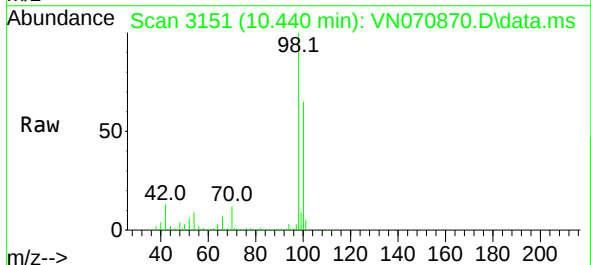
Instrument :
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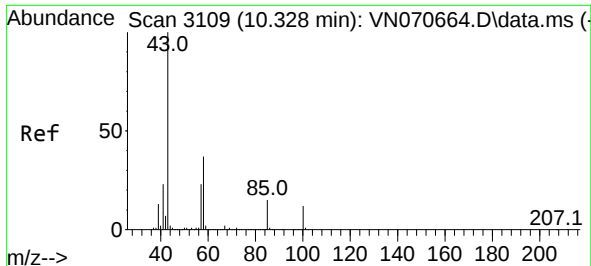
Tgt Ion:117 Resp: 103849
Ion Ratio Lower Upper
117 100
119 5.0 76.1 114.1#
121 0.0 24.2 36.2#



#50
Toluene-d8
Concen: 46.130 ug/l
RT: 10.440 min Scan# 3151
Delta R.T. 0.002 min
Lab File: VN070870.D
Acq: 1 Feb 2022 13:58

Tgt Ion: 98 Resp: 1966386
Ion Ratio Lower Upper
98 100
100 64.4 50.4 75.6

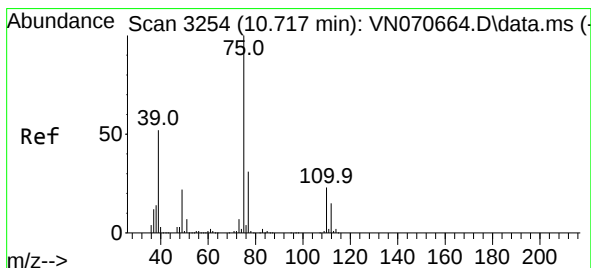
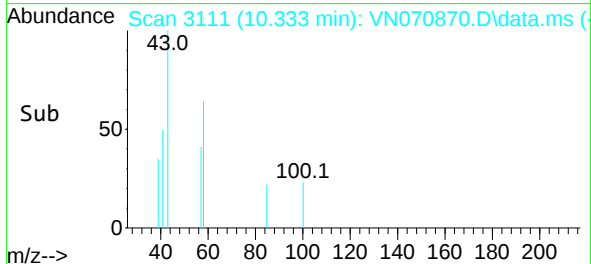
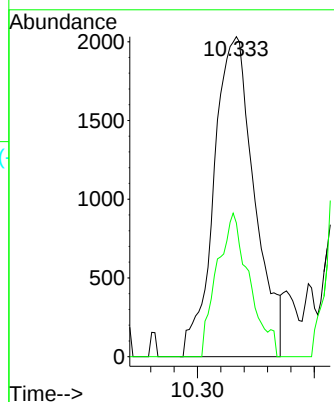
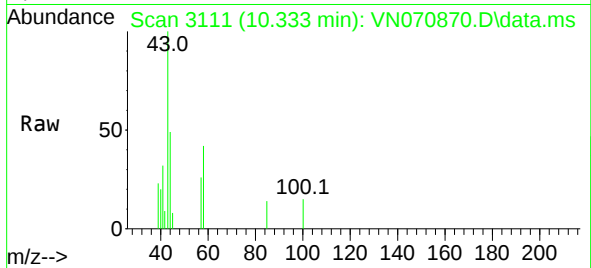




#51
4-Methyl-2-Pentanone
Concen: 0.222 ug/l
RT: 10.333 min Scan# 3111
Delta R.T. 0.005 min
Lab File: VN070870.D
Acq: 1 Feb 2022 13:58

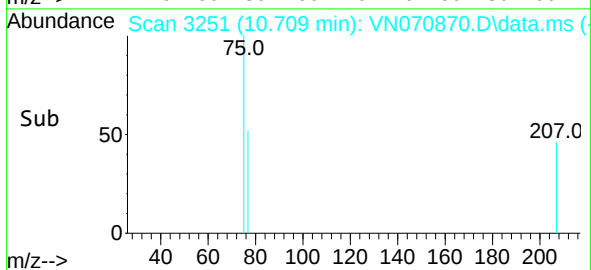
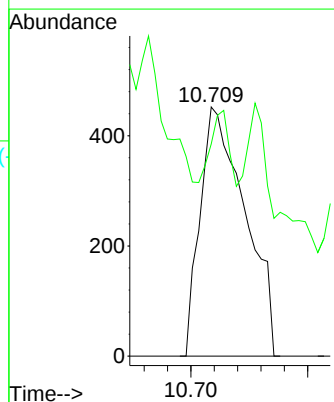
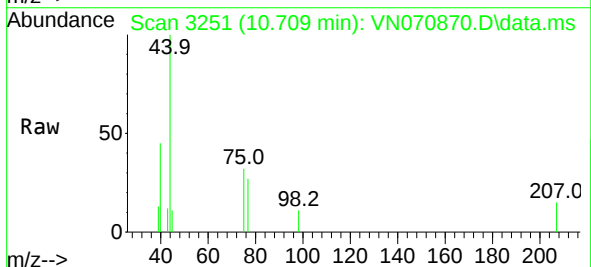
Instrument :
MSVOA_N
ClientSampleId :
VN0201WBL01

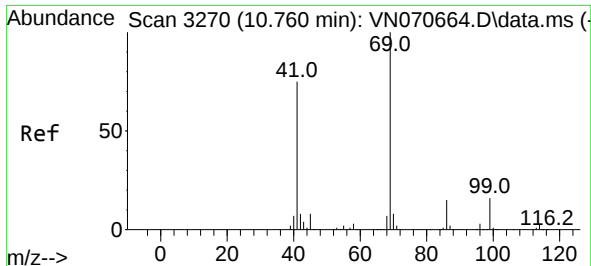
Tgt Ion: 43 Resp: 4884
Ion Ratio Lower Upper
43 100
58 36.0 30.4 45.6



#53
t-1,3-Dichloropropene
Concen: 2.432 ug/l
RT: 10.709 min Scan# 3251
Delta R.T. -0.008 min
Lab File: VN070870.D
Acq: 1 Feb 2022 13:58

Tgt Ion: 75 Resp: 603
Ion Ratio Lower Upper
75 100
77 27.4 25.6 38.4

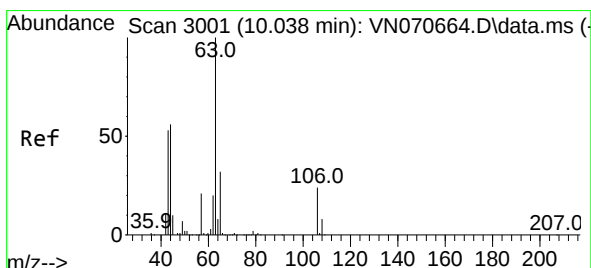
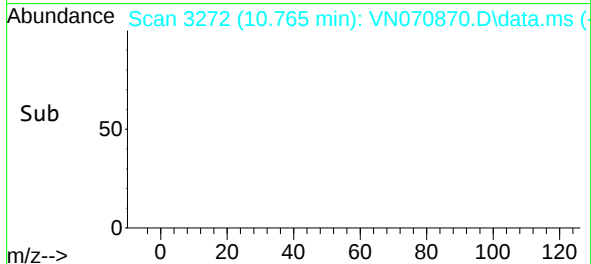
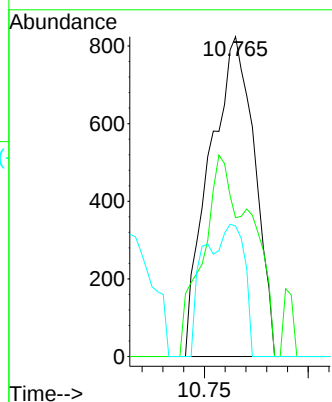
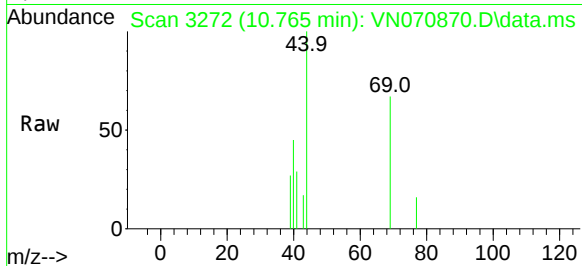




#56
Ethyl methacrylate
Concen: 2.352 ug/l
RT: 10.765 min Scan# 31
Delta R.T. 0.005 min
Lab File: VN070870.D
Acq: 1 Feb 2022 13:58

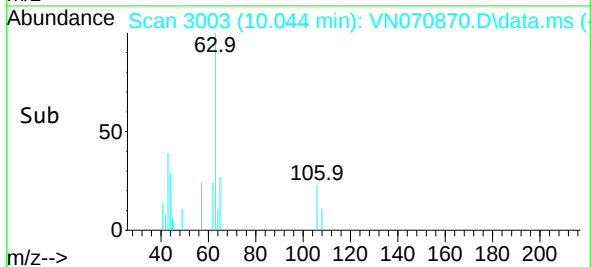
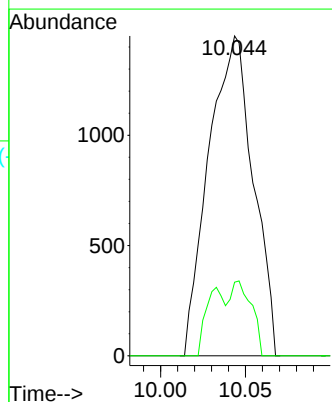
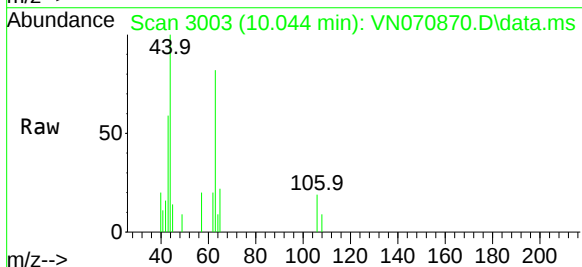
Instrument :
MSVOA_N
ClientSampleId :
VN0201WBL01

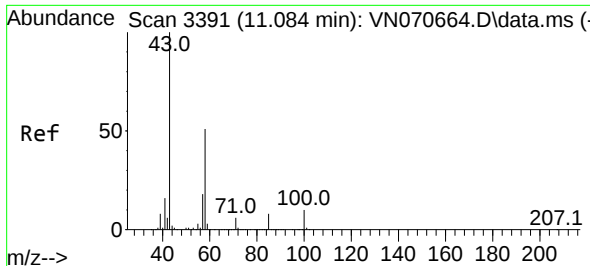
Tgt Ion: 69 Resp: 1243
Ion Ratio Lower Upper
69 100
41 47.6 51.4 77.0#
39 19.7 34.6 52.0#



#58
2-Chloroethyl Vinyl ether
Concen: 21.641 ug/l
RT: 10.044 min Scan# 3003
Delta R.T. 0.006 min
Lab File: VN070870.D
Acq: 1 Feb 2022 13:58

Tgt Ion: 63 Resp: 2643
Ion Ratio Lower Upper
63 100
106 11.3 23.9 35.9#

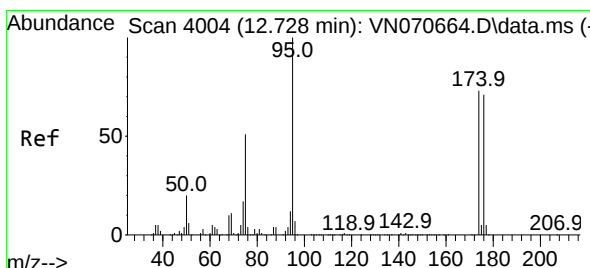
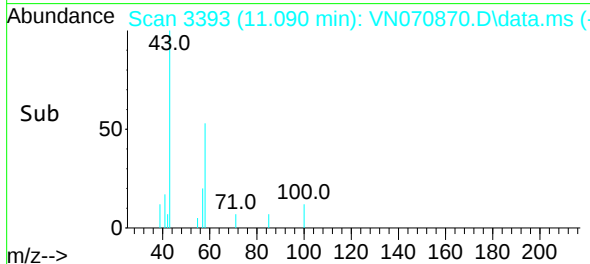
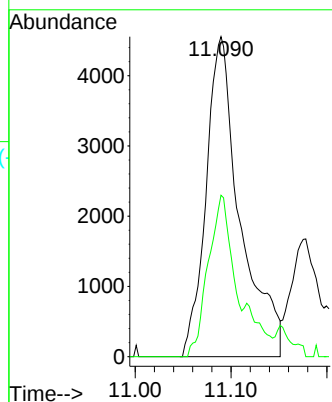
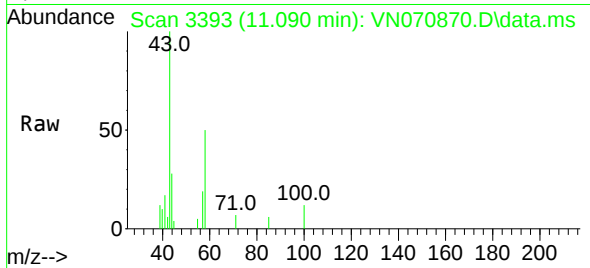




#59
2-Hexanone
Concen: 0.703 ug/l
RT: 11.090 min Scan# 31
Delta R.T. 0.006 min
Lab File: VN070870.D
Acq: 1 Feb 2022 13:58

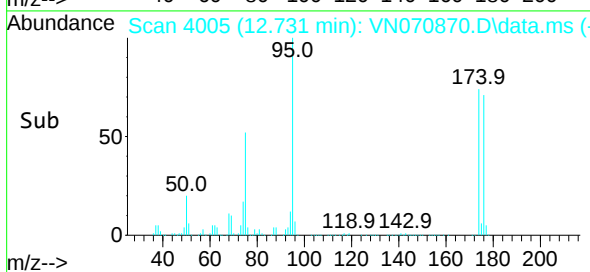
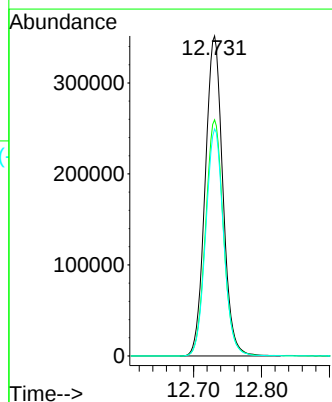
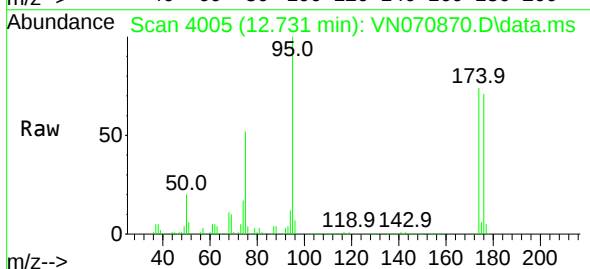
Instrument :
MSVOA_N
ClientSampleId :
VN0201WBL01

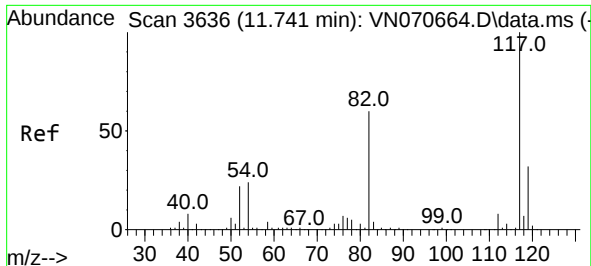
Tgt Ion: 43 Resp: 11251
Ion Ratio Lower Upper
43 100
58 35.8 26.9 80.7



#62
4-Bromofluorobenzene
Concen: 41.695 ug/l
RT: 12.731 min Scan# 4005
Delta R.T. 0.003 min
Lab File: VN070870.D
Acq: 1 Feb 2022 13:58

Tgt Ion: 95 Resp: 633350
Ion Ratio Lower Upper
95 100
174 74.7 0.0 187.2
176 71.6 0.0 181.4

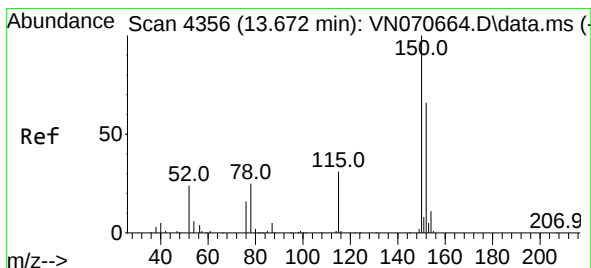
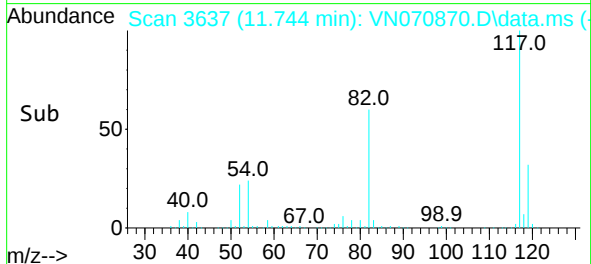
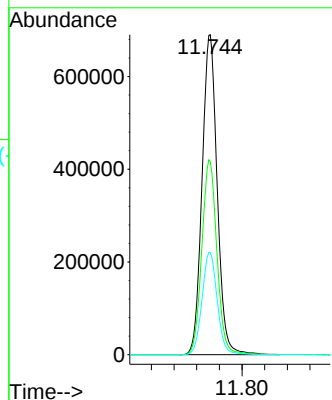
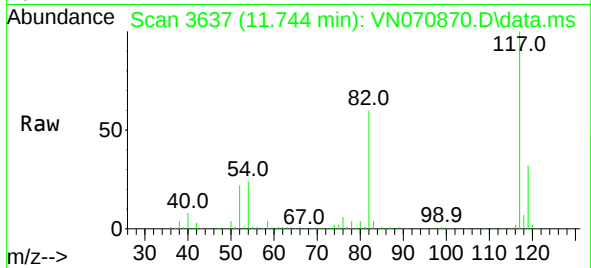




#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 11.744 min Scan# 3637
Delta R.T. 0.003 min
Lab File: VN070870.D
Acq: 1 Feb 2022 13:58

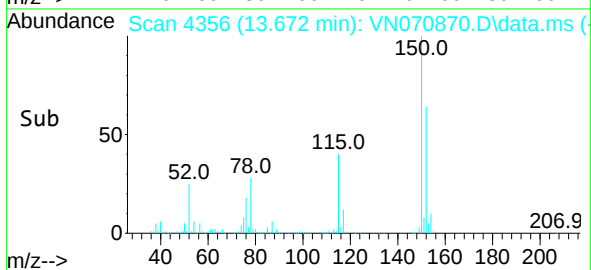
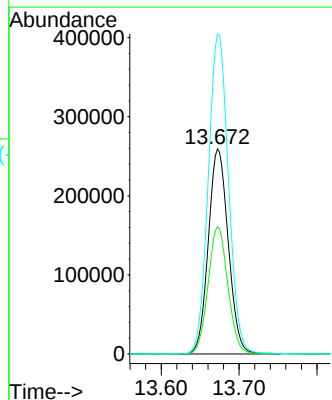
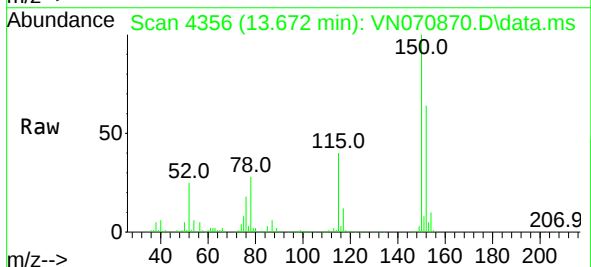
Instrument :
MSVOA_N
ClientSampleId :
VN0201WBL01

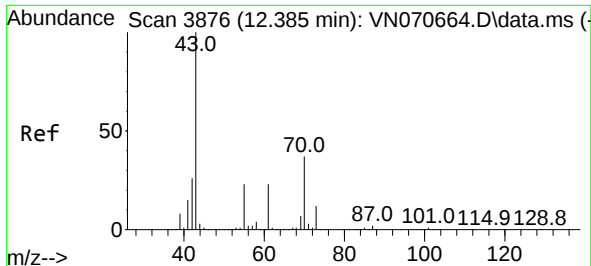
Tgt Ion:117 Resp: 1278917
Ion Ratio Lower Upper
117 100
82 60.3 42.4 63.6
119 31.9 25.4 38.2



#72
1,4-Dichlorobenzene-d4
Concen: 50.000 ug/l
RT: 13.672 min Scan# 4356
Delta R.T. 0.000 min
Lab File: VN070870.D
Acq: 1 Feb 2022 13:58

Tgt Ion:152 Resp: 461596
Ion Ratio Lower Upper
152 100
115 61.8 27.5 82.5
150 157.4 0.0 344.4

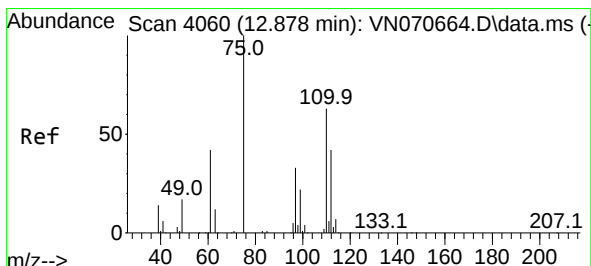
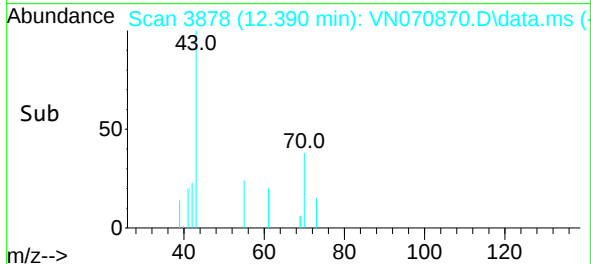
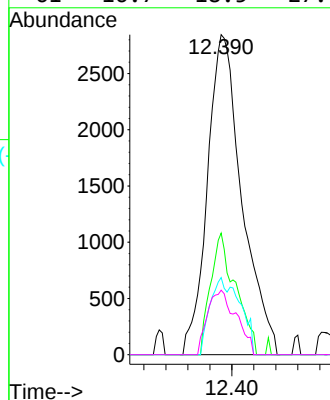
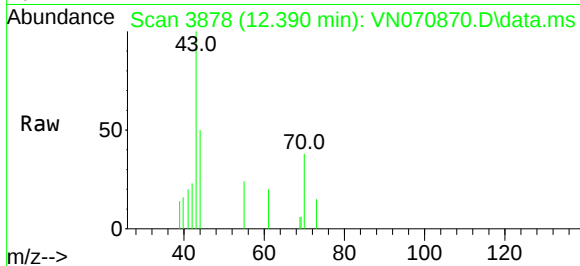




#74
N-amy1 acetate
Concen: 0.347 ug/l
RT: 12.390 min Scan# 31
Delta R.T. 0.005 min
Lab File: VN070870.D
Acq: 1 Feb 2022 13:58

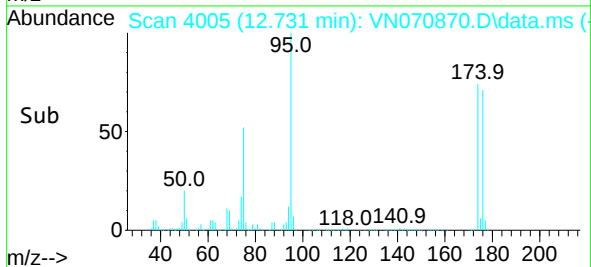
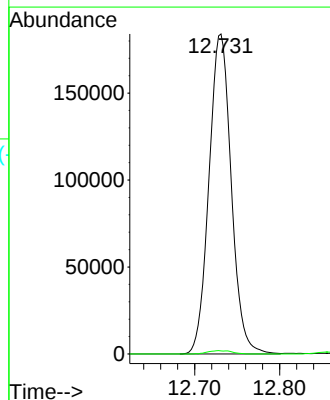
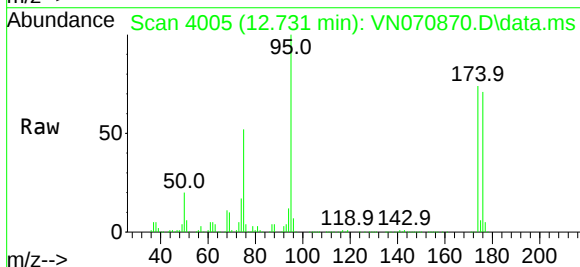
Instrument :
MSVOA_N
ClientSampleId :
VN0201WBL01

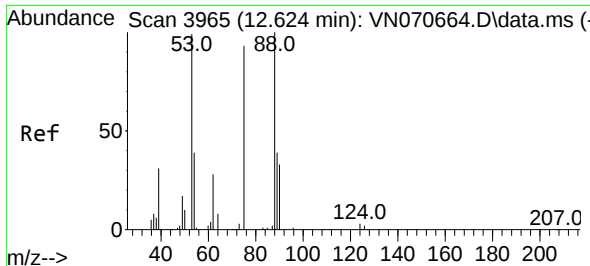
Tgt Ion:	43	Resp:	6200
Ion	Ratio	Lower	Upper
43	100		
70	27.7	33.4	50.0#
55	11.7	19.3	28.9#
61	16.7	18.5	27.7#



#76
1,2,3-Trichloropropane
Concen: 27.351 ug/l
RT: 12.731 min Scan# 4005
Delta R.T. -0.147 min
Lab File: VN070870.D
Acq: 1 Feb 2022 13:58

Tgt Ion:	75	Resp:	334847
Ion	Ratio	Lower	Upper
75	100		
77	1.1	82.6	247.8#

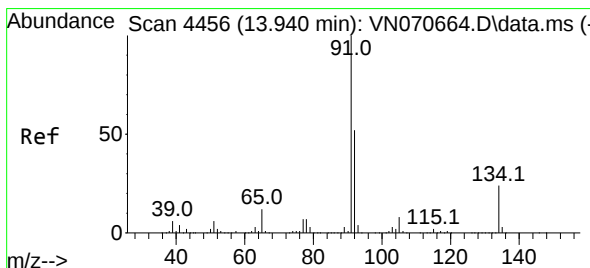
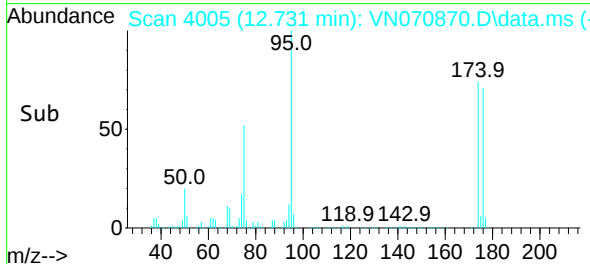
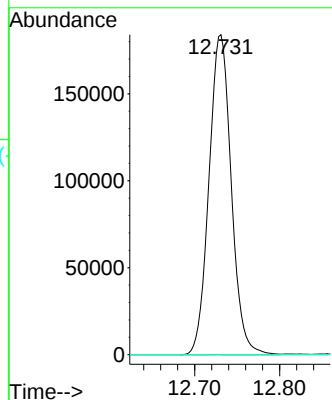
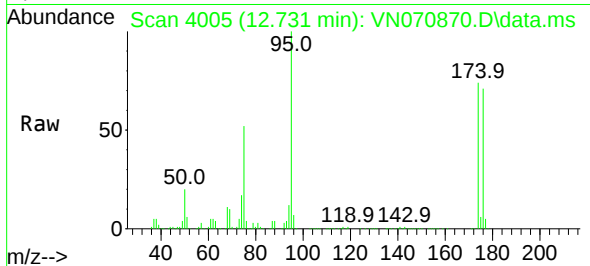




#81
trans-1,4-Dichloro-2-butene
Concen: 81.482 ug/l
RT: 12.731 min Scan# 4005
Delta R.T. 0.107 min
Lab File: VN070870.D
Acq: 1 Feb 2022 13:58

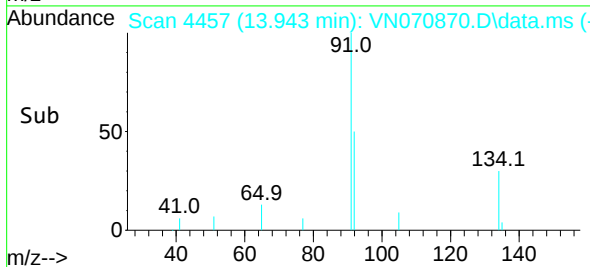
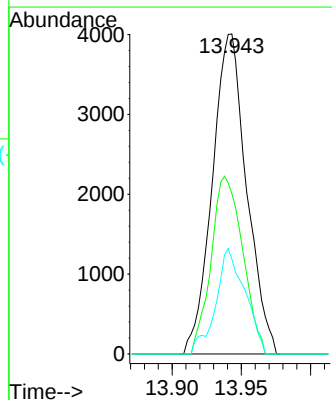
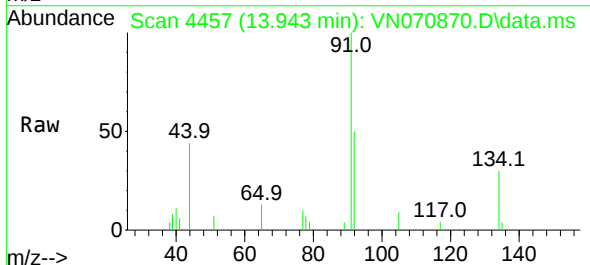
Instrument :
MSVOA_N
ClientSampleId :
VN0201WBL01

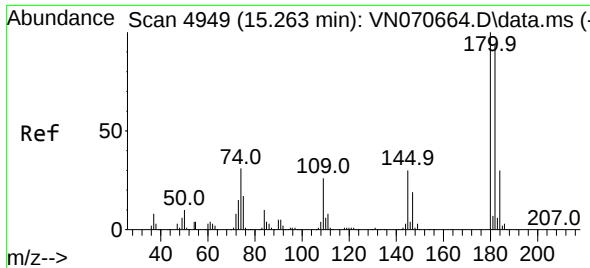
Tgt Ion: 75 Resp: 334847
Ion Ratio Lower Upper
75 100
53 0.0 90.5 135.7#
89 0.0 38.2 57.4#



#89
n-Butylbenzene
Concen: 0.255 ug/l
RT: 13.943 min Scan# 4457
Delta R.T. 0.003 min
Lab File: VN070870.D
Acq: 1 Feb 2022 13:58

Tgt Ion: 91 Resp: 6903
Ion Ratio Lower Upper
91 100
92 51.1 25.4 76.0
134 28.0 13.6 40.8

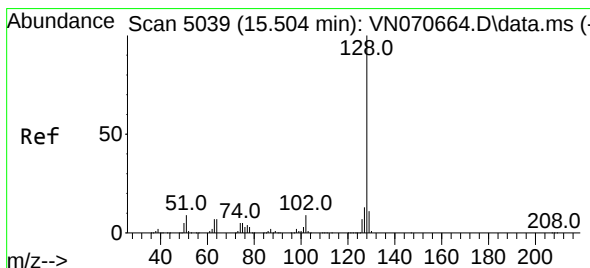
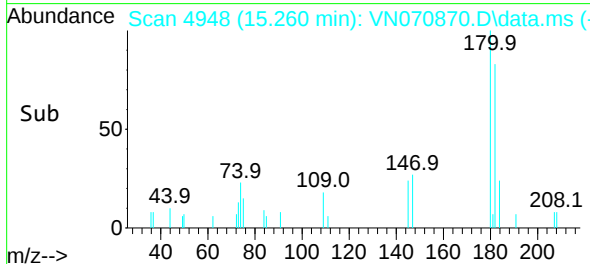
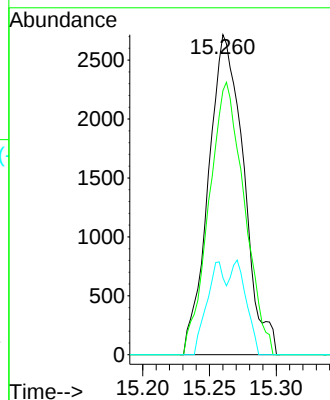
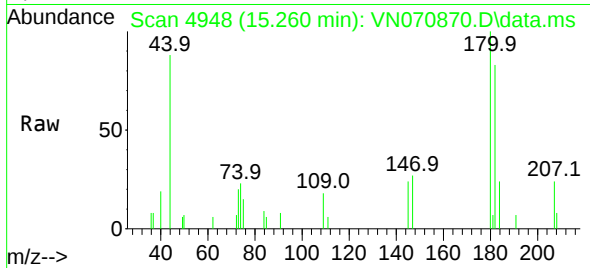




#93
1,2,4-Trichlorobenzene
Concen: 3.969 ug/l
RT: 15.260 min Scan# 4949
Delta R.T. -0.003 min
Lab File: VN070870.D
Acq: 1 Feb 2022 13:58

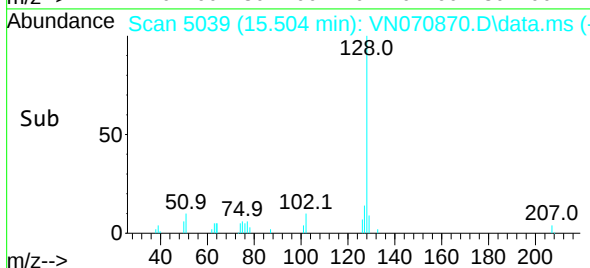
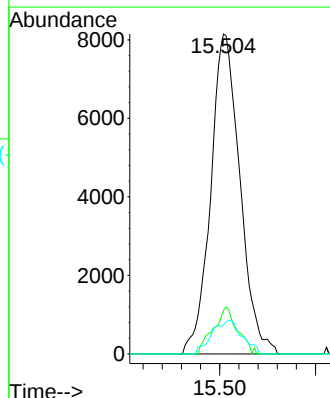
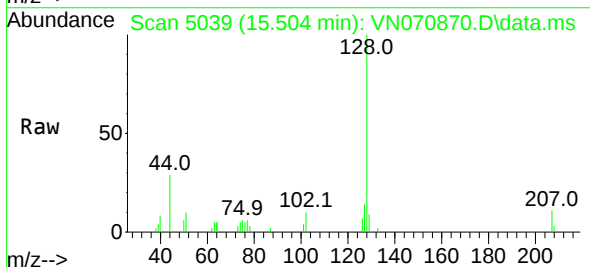
Instrument :
MSVOA_N
ClientSampleId :
VN0201WBL01

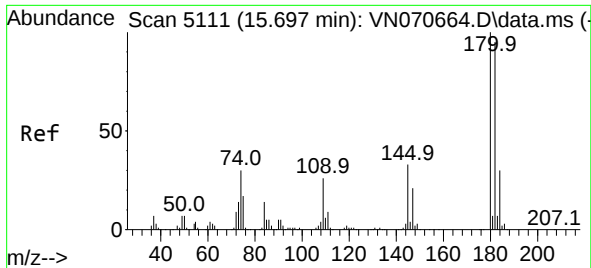
Tgt Ion:180	Resp:	4976
Ion Ratio	Lower	Upper
180	100	
182	85.5	48.3 144.9
145	15.4	14.5 43.5



#95
Naphthalene
Concen: 5.598 ug/l
RT: 15.504 min Scan# 5039
Delta R.T. 0.000 min
Lab File: VN070870.D
Acq: 1 Feb 2022 13:58

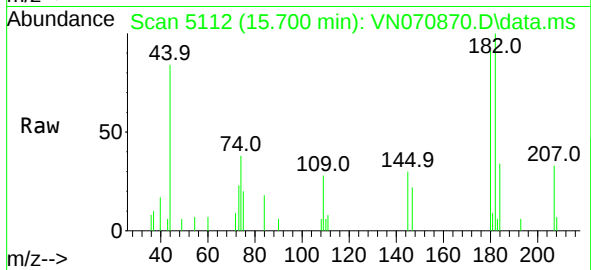
Tgt Ion:128	Resp:	17261
Ion Ratio	Lower	Upper
128	100	
127	12.0	10.5 15.7
129	10.9	8.7 13.1





#96
 1,2,3-Trichlorobenzene
 Concen: 3.792 ug/l
 RT: 15.700 min Scan# 51
 Delta R.T. 0.003 min
 Lab File: VN070870.D
 Acq: 1 Feb 2022 13:58

Instrument :
 MSVOA_N
 ClientSampleId :
 VN0201WBL01



Tgt Ion:	180	Resp:	5018
Ion	Ratio	Lower	Upper
180	100		
182	107.7	47.4	142.2
145	33.4	15.0	45.1

