

Data Path : Z:\voasrv\HPCHEM1\MSVOA_N\Data\VN050421\
 Data File : VN066973.D
 Acq On : 5 May 2021 7:09
 Operator : JC/MD
 Sample : M2256-20
 Misc : 5.00mL/MSVOA_N/WATER
 ALS Vial : 52 Sample Multiplier: 1

Instrument :
 MSVOA_N
 ClientSampleId :

Quant Time: May 05 07:52:28 2021
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA_N\methods\82N050421W.M
 Quant Title : SW846 8260
 QLast Update : Wed May 05 07:24:52 2021
 Response via : Initial Calibration

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

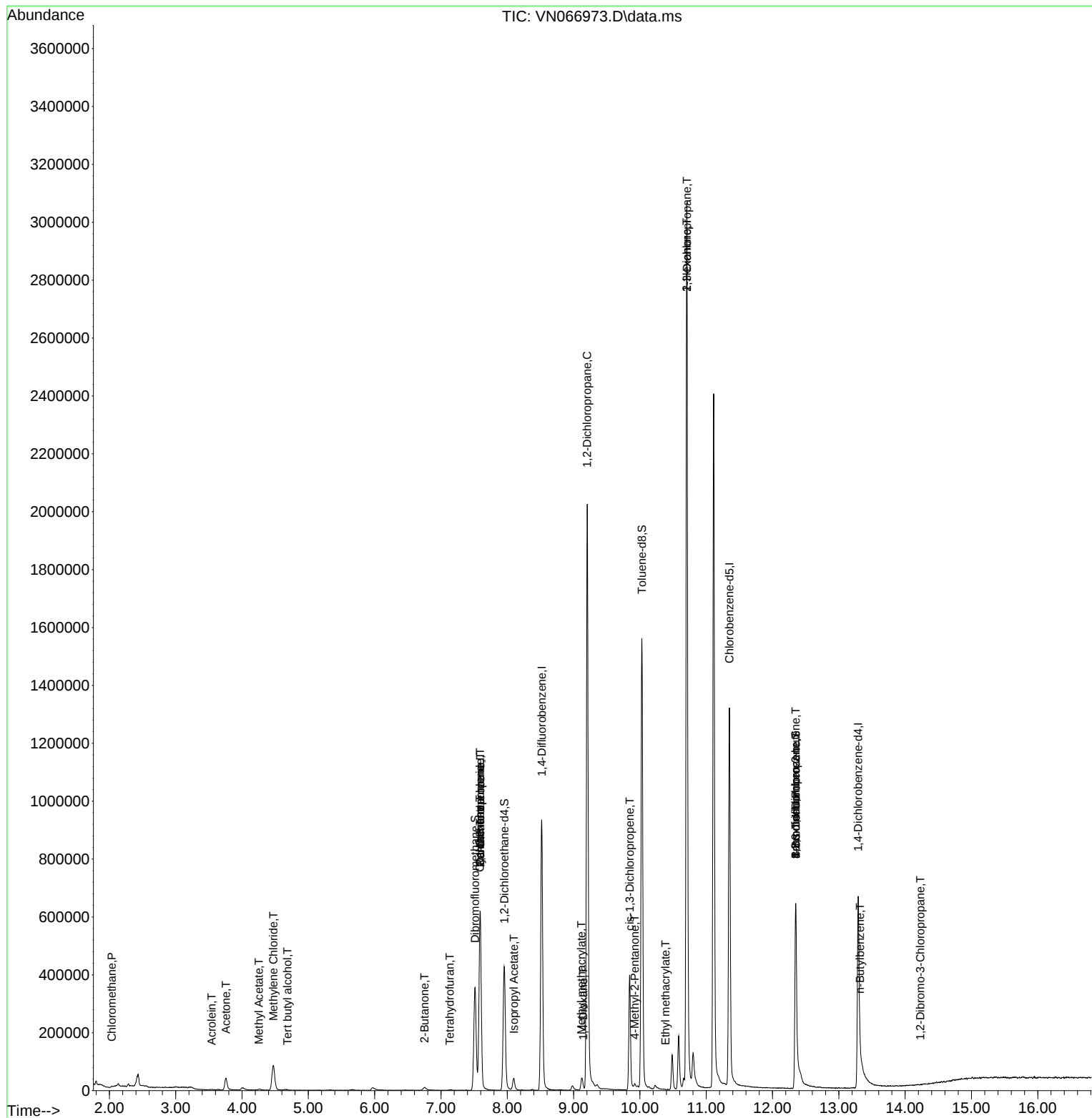
Internal Standards						
1) Pentafluorobenzene	7.592	168	467041	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	8.520	114	794190	50.00	ug/l	0.00
63) Chlorobenzene-d5	11.350	117	754511	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.291	152	254155	50.00	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	7.957	65	387228	52.67	ug/l	0.00
Spiked Amount 50.000	Range 61 - 141		Recovery = 105.34%			
35) Dibromofluoromethane	7.514	113	276458	51.26	ug/l	0.00
Spiked Amount 50.000	Range 69 - 133		Recovery = 102.52%			
50) Toluene-d8	10.030	98	1074513	52.32	ug/l	0.00
Spiked Amount 50.000	Range 65 - 126		Recovery = 104.64%			
62) 4-Bromofluorobenzene	12.350	95	276564	39.77	ug/l	0.00
Spiked Amount 50.000	Range 58 - 135		Recovery = 79.54%			
Target Compounds					Qvalue	
3) Chloromethane	2.035	50	1940	0.21	ug/l #	71
11) Tert butyl alcohol	4.685	59	736	0.71	ug/l #	73
13) Acrolein	3.540	56	556	0.64	ug/l #	59
16) Acetone	3.757	43	69523	26.88	ug/l	99
18) Methyl Acetate	4.256	43	3800	0.51	ug/l	100
20) Methylene Chloride	4.473	84	61885	9.43	ug/l	90
25) 2-Butanone	6.753	43	9093	2.38	ug/l #	87
29) Tetrahydrofuran	7.134	42	815	0.32	ug/l #	57
31) Cyclohexane	7.587	56	11569	1.12	ug/l #	1
36) 1,1-Dichloropropene	7.592	75	42182	5.10	ug/l #	49
38) Carbon Tetrachloride	7.589	117	49627	5.75	ug/l #	18
43) Isopropyl Acetate	8.099	43	51652	3.77	ug/l #	86
45) 1,2-Dichloropropane	9.204	63	2497	0.34	ug/l #	44
48) Methyl methacrylate	9.118	41	11335	1.87	ug/l #	10
49) 1,4-Dioxane	9.145	88	66	0.69	ug/l #	26
51) 4-Methyl-2-Pentanone	9.923	43	6417	0.81	ug/l #	56
54) cis-1,3-Dichloropropene	9.845	75	69767	6.41	ug/l #	67
56) Ethyl methacrylate	10.387	69	166	5.21	ug/l #	1
57) 1,3-Dichloropropane	10.709	76	31131	2.90	ug/l #	43
59) 2-Hexanone	10.706	43	447079	96.93	ug/l #	50
71) Bromoform	12.350	173	2531	0.56	ug/l #	1
76) 1,2,3-Trichloropropane	12.350	75	163937	27.08	ug/l #	100
81) trans-1,4-Dichloro-2-b...	12.350	75	163937	81.02	ug/l #	12
89) n-Butylbenzene	13.321	91	128	5.25	ug/l #	38
92) 1,2-Dibromo-3-Chloropr...	14.227	75	513	0.42	ug/l #	1

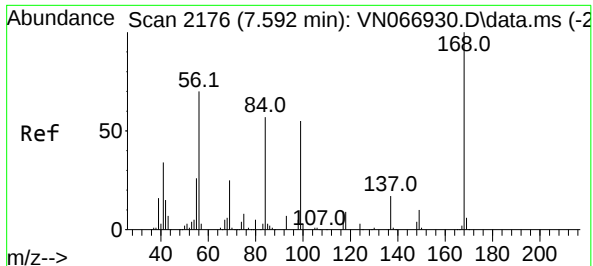
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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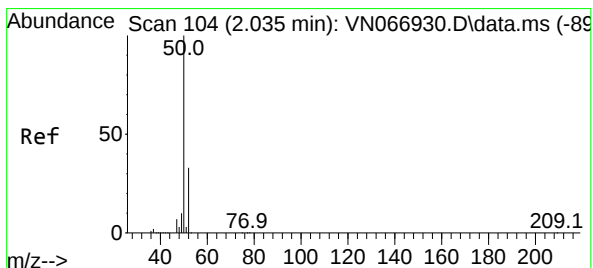
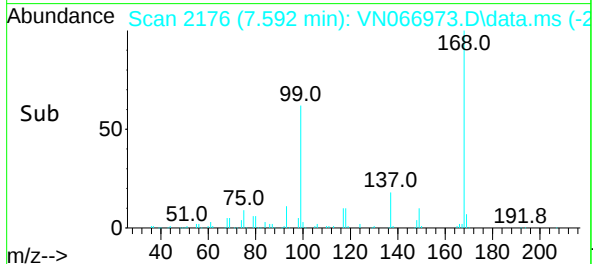
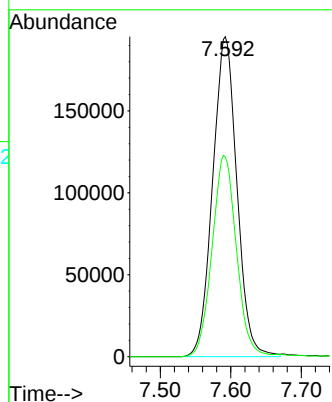
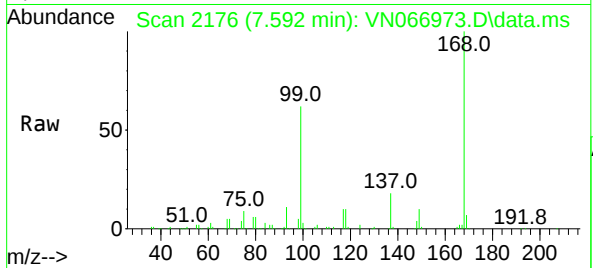




#1
Pentafluorobenzene
Concen: 50.00 ug/l
RT: 7.592 min Scan# 2176
Delta R.T. 0.000 min
Lab File: VN066973.D
Acq: 5 May 2021 7:09

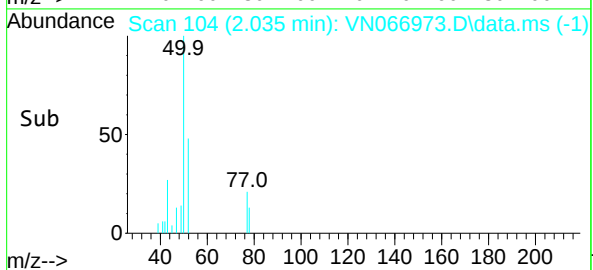
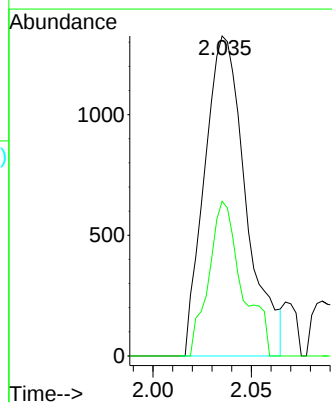
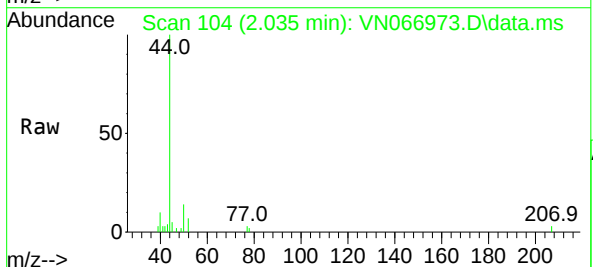
Instrument :
MSVOA_N
ClientSampled :

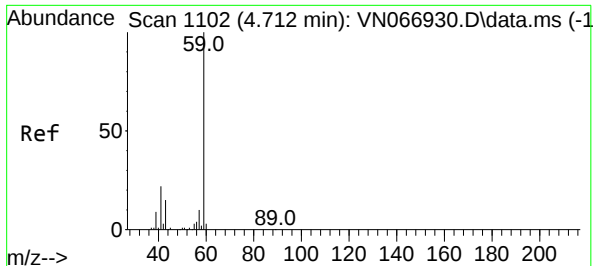
Tgt Ion:168 Resp: 467041
Ion Ratio Lower Upper
168 100
99 62.4 42.6 63.8



#3
Chloromethane
Concen: 0.21 ug/l
RT: 2.035 min Scan# 104
Delta R.T. 0.000 min
Lab File: VN066973.D
Acq: 5 May 2021 7:09

Tgt Ion: 50 Resp: 1940
Ion Ratio Lower Upper
50 100
52 48.3 25.8 38.8#



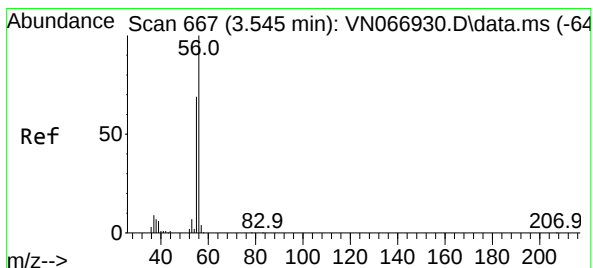
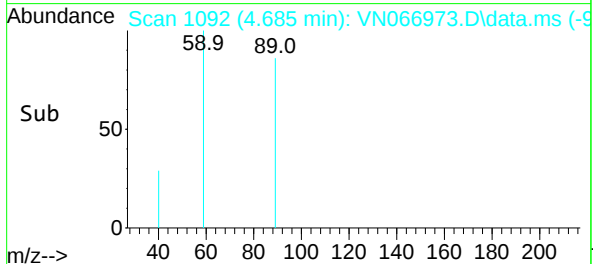
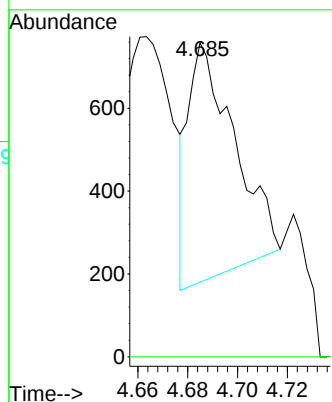
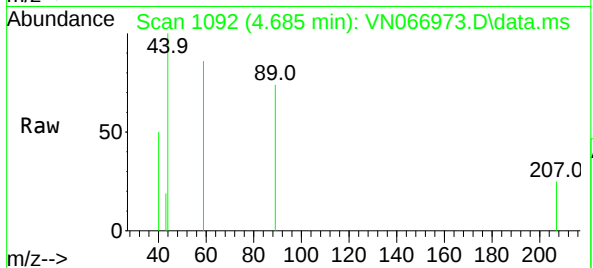


#11

Tert butyl alcohol
Concen: 0.71 ug/l
RT: 4.685 min Scan# 1092
Delta R.T. -0.027 min
Lab File: VN066973.D
Acq: 5 May 2021 7:09

Instrument :
MSVOA_N
ClientSampled :

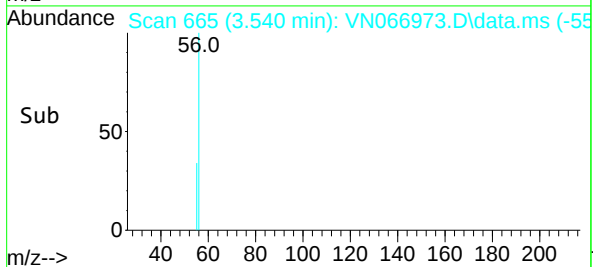
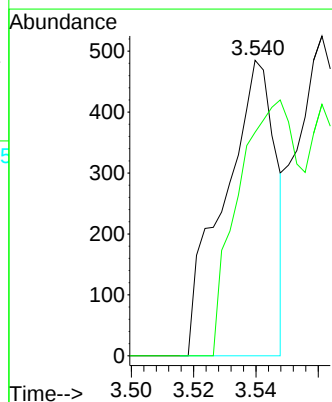
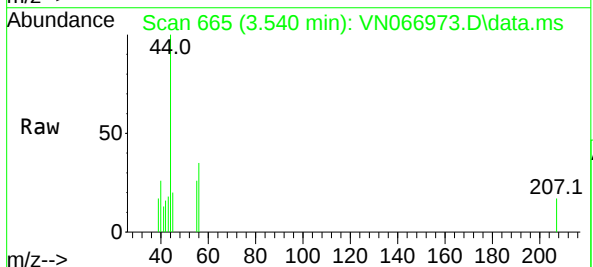
Tgt Ion: 59 Resp: 736
Ion Ratio Lower Upper
59 100
57 0.0 8.0 12.0#

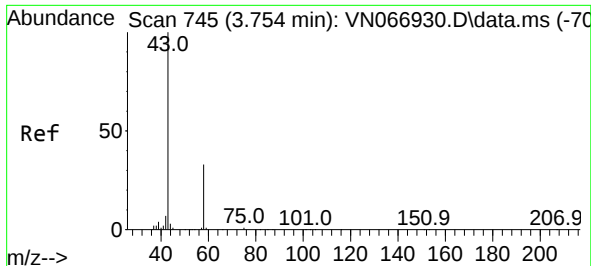


#13

Acrolein
Concen: 0.64 ug/l
RT: 3.540 min Scan# 665
Delta R.T. -0.005 min
Lab File: VN066973.D
Acq: 5 May 2021 7:09

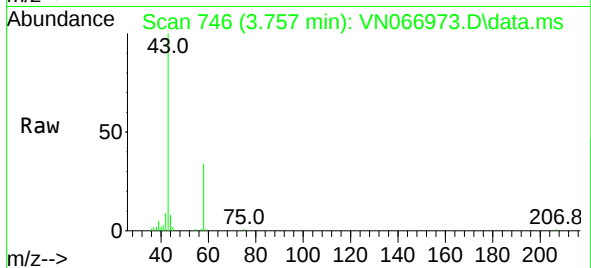
Tgt Ion: 56 Resp: 556
Ion Ratio Lower Upper
56 100
55 103.2 56.0 84.0#



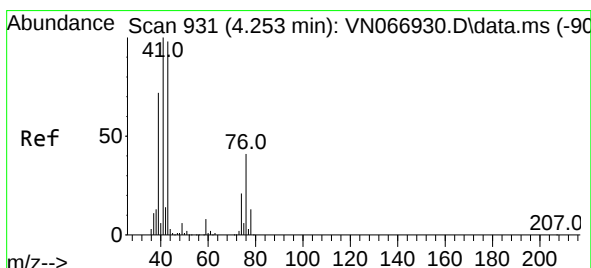
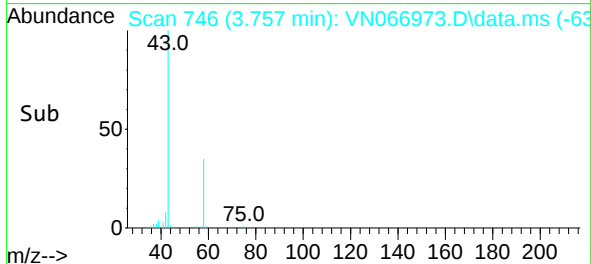
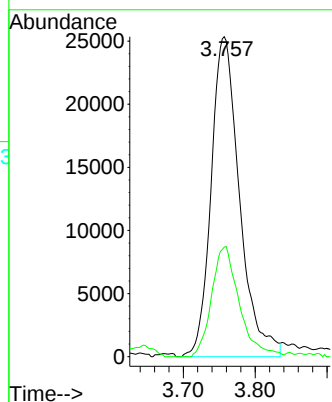


#16
Acetone
Concen: 26.88 ug/l
RT: 3.757 min Scan# 746
Delta R.T. 0.003 min
Lab File: VN066973.D
Acq: 5 May 2021 7:09

Instrument :
MSVOA_N
ClientSampled :

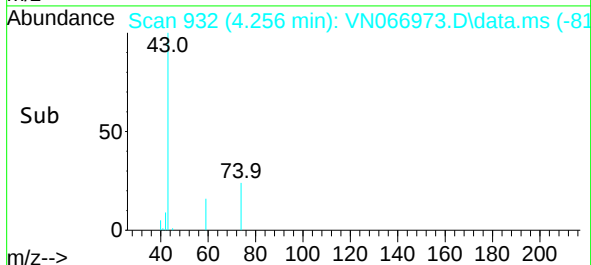
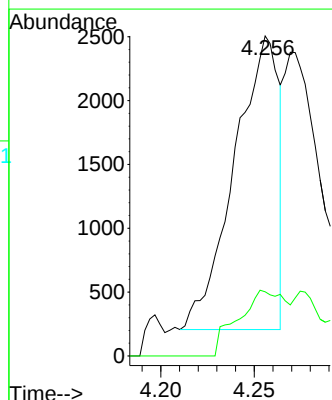
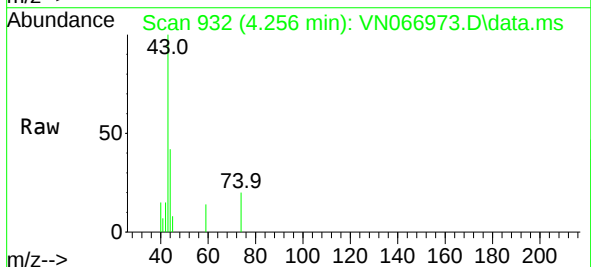


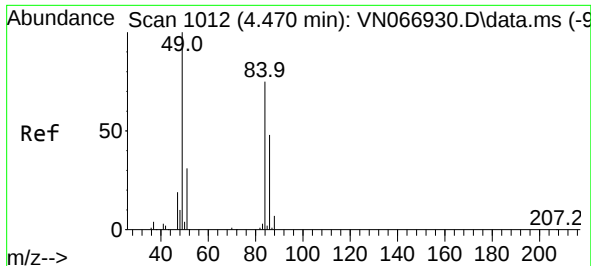
Tgt Ion: 43 Resp: 69523
Ion Ratio Lower Upper
43 100
58 34.2 27.0 40.6



#18
Methyl Acetate
Concen: 0.51 ug/l
RT: 4.256 min Scan# 932
Delta R.T. 0.003 min
Lab File: VN066973.D
Acq: 5 May 2021 7:09

Tgt Ion: 43 Resp: 3800
Ion Ratio Lower Upper
43 100
74 24.2 19.5 29.3





#20

Methylene Chloride

Concen: 9.43 ug/l

RT: 4.473 min Scan# 1013

Delta R.T. 0.003 min

Lab File: VN066973.D

Acq: 5 May 2021 7:09

Tgt Ion: 84 Resp: 61885

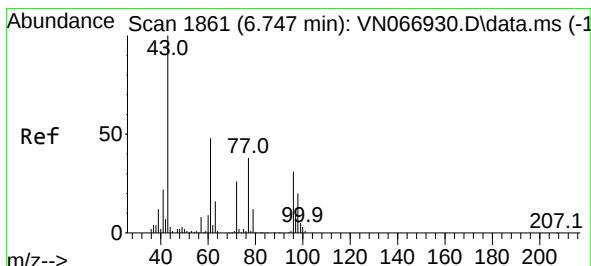
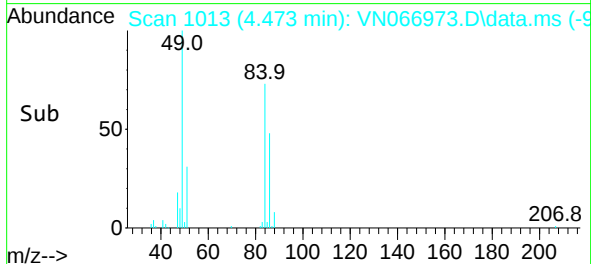
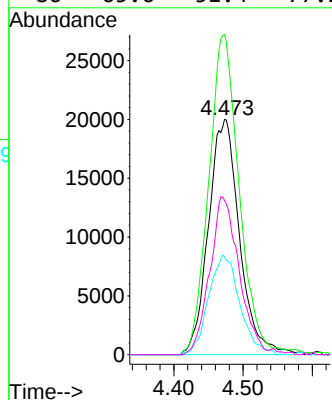
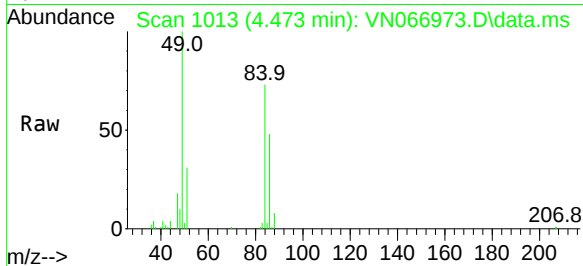
Ion Ratio Lower Upper

84 100

49 136.1 94.6 141.8

51 41.7 29.9 44.9

86 65.6 51.4 77.2



#25

2-Butanone

Concen: 2.38 ug/l

RT: 6.753 min Scan# 1863

Delta R.T. 0.006 min

Lab File: VN066973.D

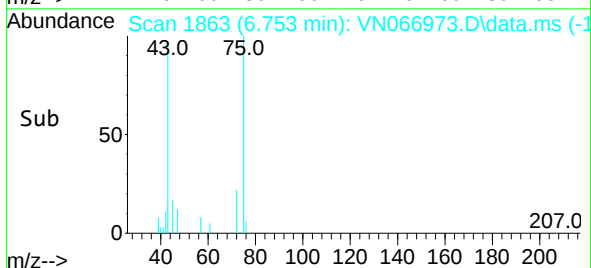
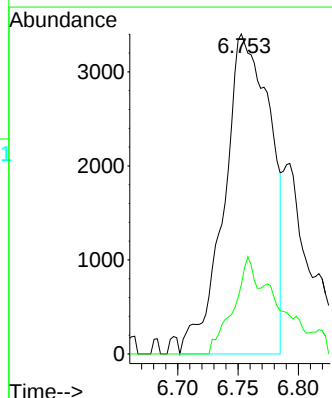
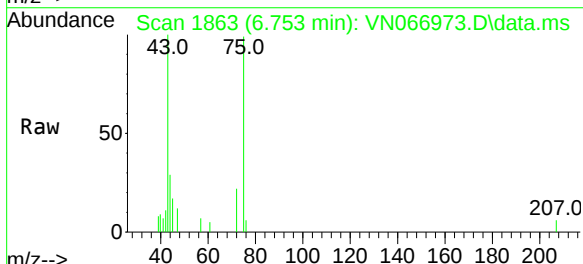
Acq: 5 May 2021 7:09

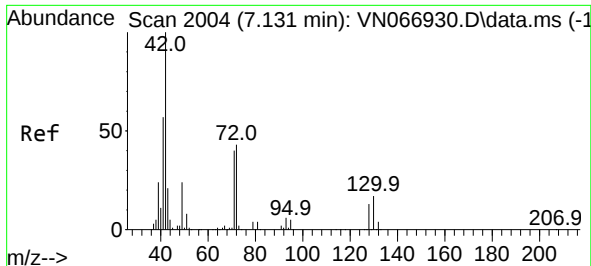
Tgt Ion: 43 Resp: 9093

Ion Ratio Lower Upper

43 100

72 21.7 23.1 34.7#

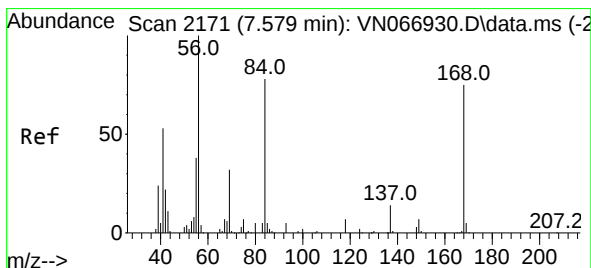
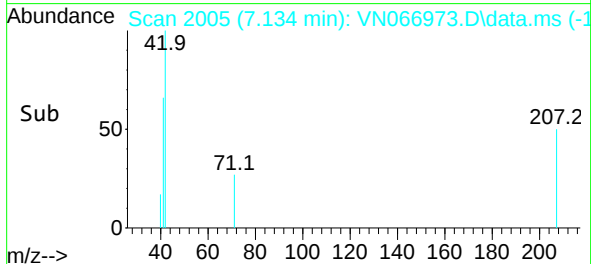
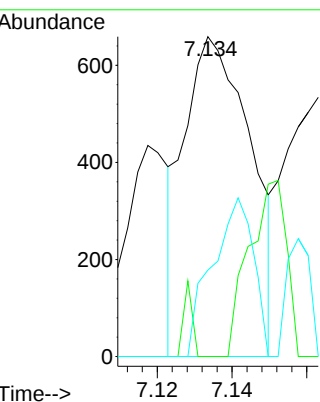
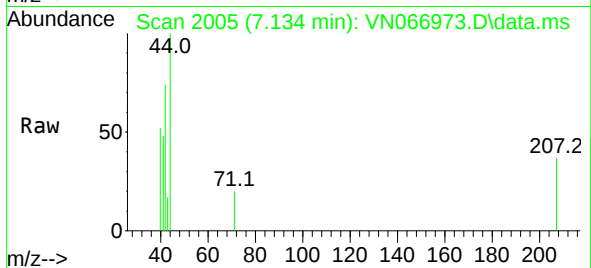




#29
Tetrahydrofuran
Concen: 0.32 ug/l
RT: 7.134 min Scan# 2005
Delta R.T. 0.003 min
Lab File: VN066973.D
Acq: 5 May 2021 7:09

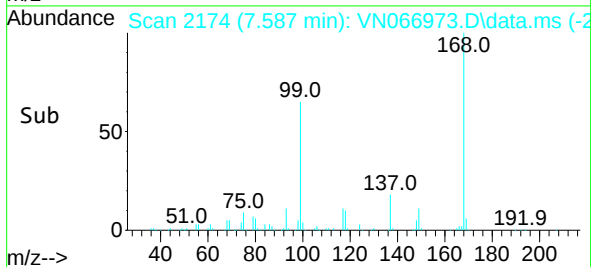
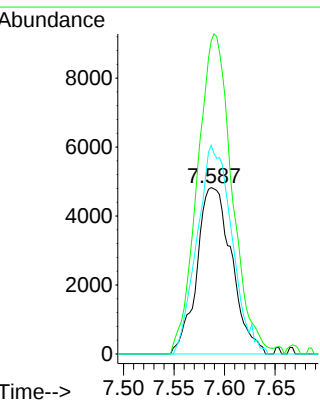
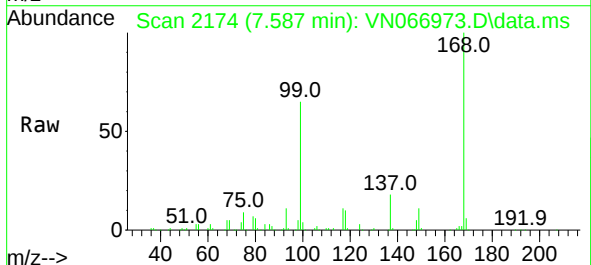
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ClientSampleId :

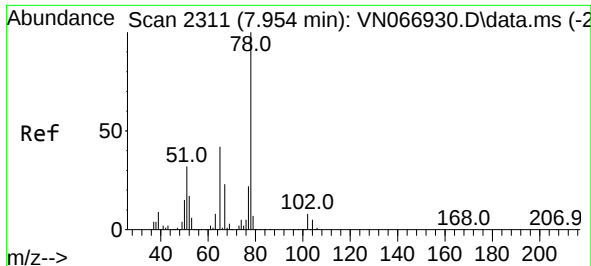
Tgt Ion:	42	Resp:	815
Ion	Ratio	Lower	Upper
42	100		
72	3.1	36.6	55.0#
71	30.9	34.3	51.5#



#31
Cyclohexane
Concen: 1.12 ug/l
RT: 7.587 min Scan# 2174
Delta R.T. 0.008 min
Lab File: VN066973.D
Acq: 5 May 2021 7:09

Tgt Ion:	56	Resp:	11569
Ion	Ratio	Lower	Upper
56	100		
69	188.2	26.6	39.8#
84	125.3	70.4	105.6#

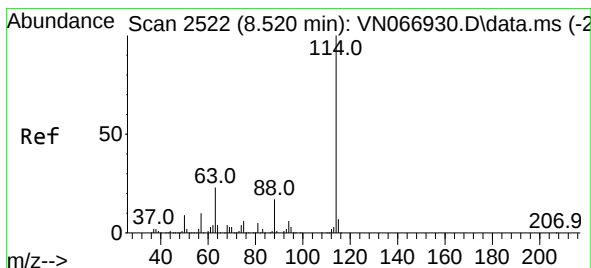
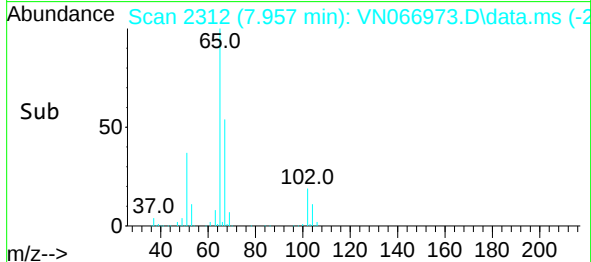
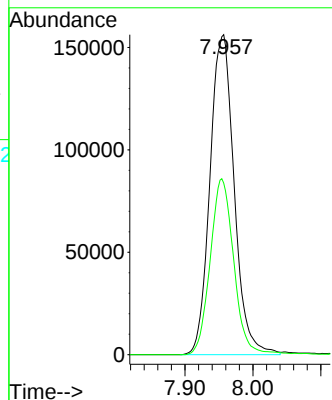
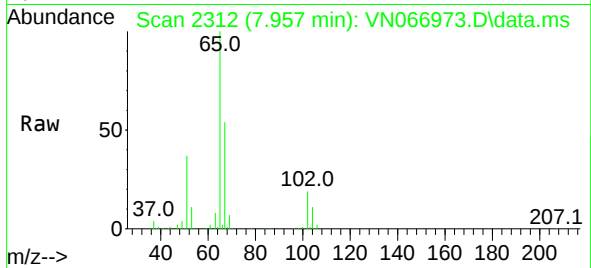




#33
 1,2-Dichloroethane-d4
 Concen: 52.67 ug/l
 RT: 7.957 min Scan# 2312
 Delta R.T. 0.003 min
 Lab File: VN066973.D
 Acq: 5 May 2021 7:09

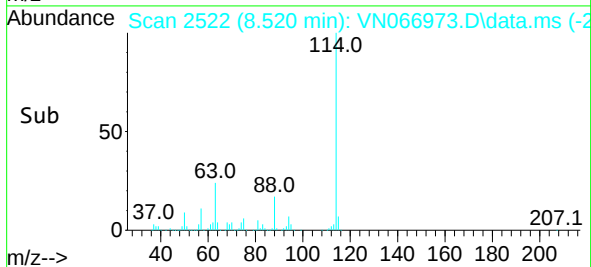
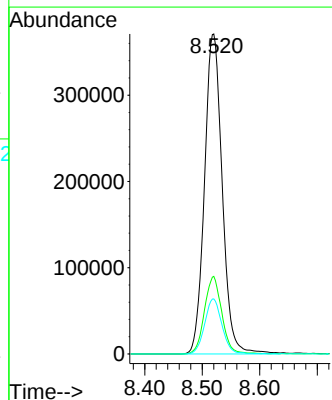
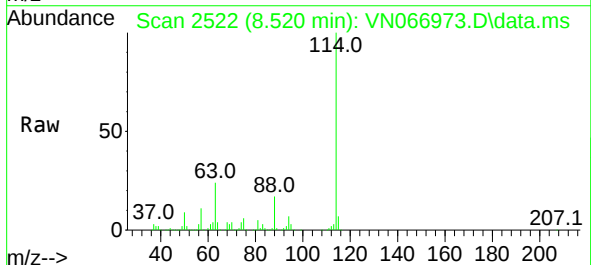
Instrument :
 MSVOA_N
 ClientSampled :

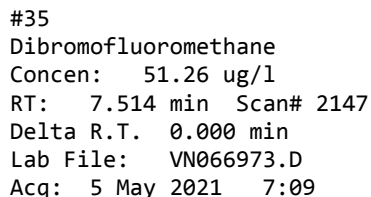
Tgt Ion: 65 Resp: 387228
 Ion Ratio Lower Upper
 65 100
 67 53.5 0.0 107.2



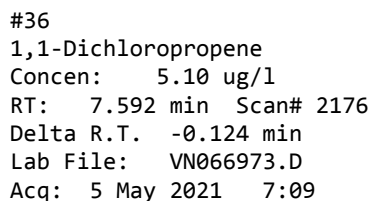
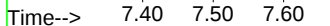
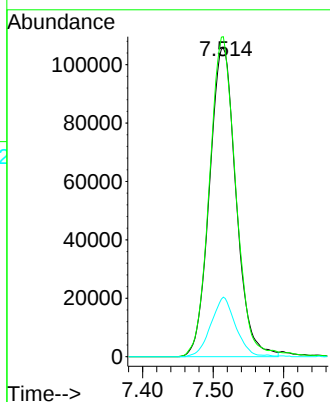
#34
 1,4-Difluorobenzene
 Concen: 50.00 ug/l
 RT: 8.520 min Scan# 2522
 Delta R.T. 0.000 min
 Lab File: VN066973.D
 Acq: 5 May 2021 7:09

Tgt Ion: 114 Resp: 794190
 Ion Ratio Lower Upper
 114 100
 63 24.3 0.0 38.6
 88 17.2 0.0 30.6

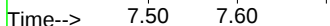
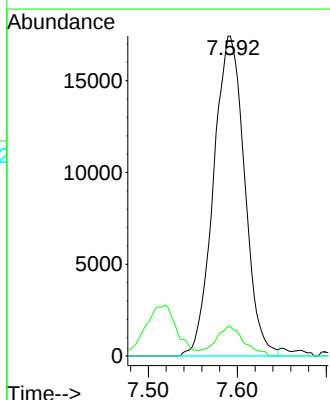


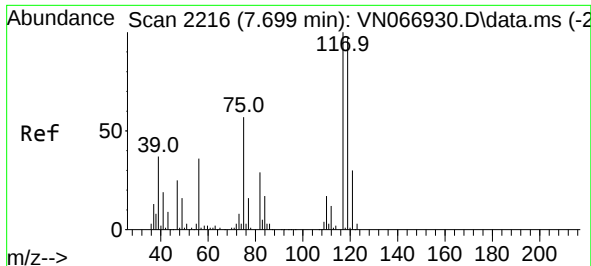


Tgt	Ion:113	Resp:	276458
Ion	Ratio	Lower	Upper
113	100		
111	101.5	82.2	123.2
192	17.9	15.4	23.0



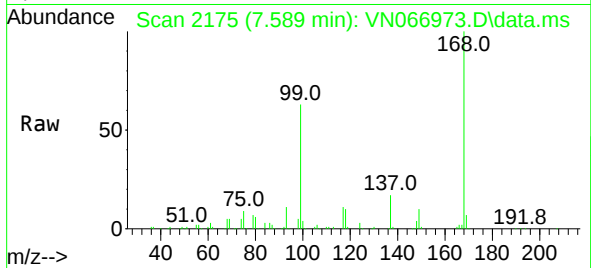
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Ion	Ratio	Lower	Upper
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110	8.6	18.2	54.6#
77	0.0	24.9	37.3#



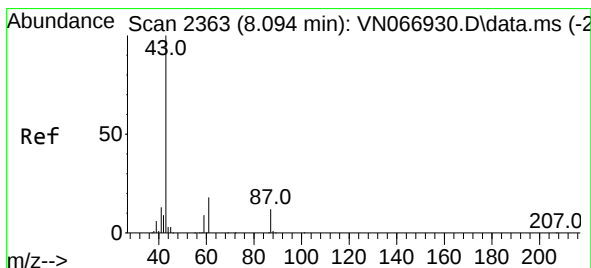
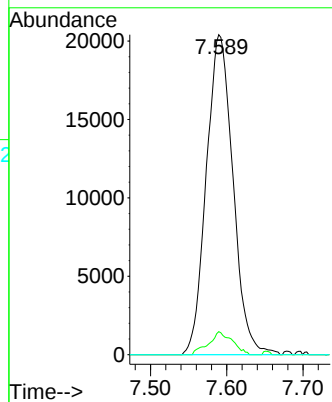
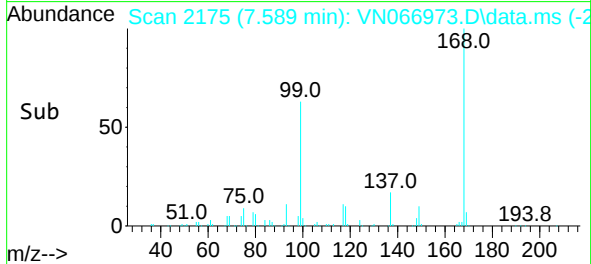


#38
Carbon Tetrachloride
Concen: 5.75 ug/l
RT: 7.589 min Scan# 2175
Delta R.T. -0.110 min
Lab File: VN066973.D
Acq: 5 May 2021 7:09

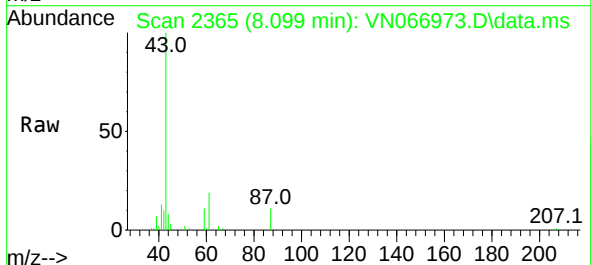
Instrument :
MSVOA_N
ClientSampled :



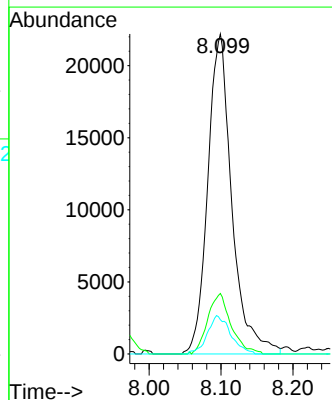
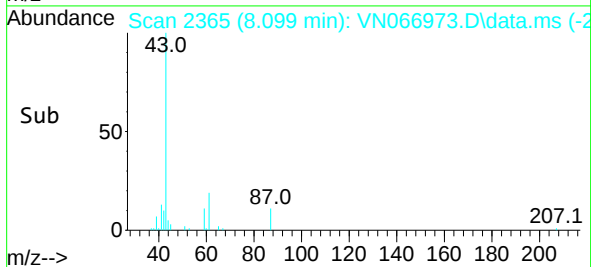
Tgt Ion:117 Resp: 49627
Ion Ratio Lower Upper
117 100
119 7.2 76.0 114.0#
121 0.0 24.5 36.7#

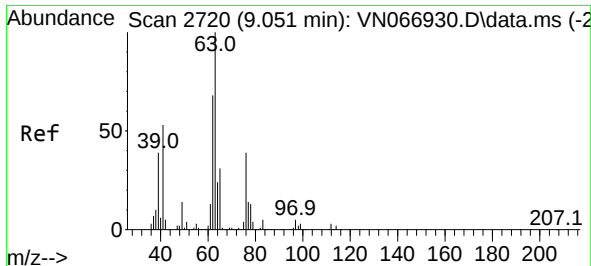


#43
Isopropyl Acetate
Concen: 3.77 ug/l
RT: 8.099 min Scan# 2365
Delta R.T. 0.005 min
Lab File: VN066973.D
Acq: 5 May 2021 7:09



Tgt Ion: 43 Resp: 51652
Ion Ratio Lower Upper
43 100
61 18.4 22.5 33.7#
87 11.6 11.1 16.7



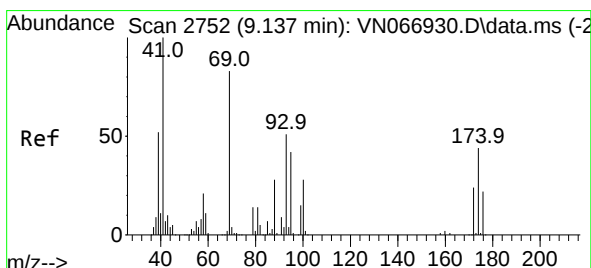
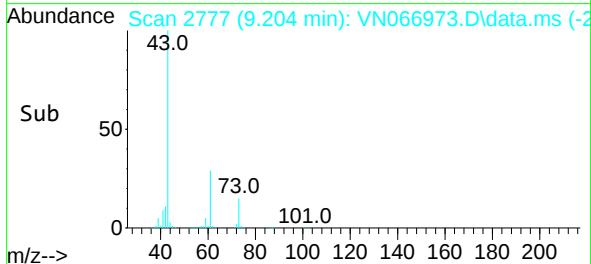
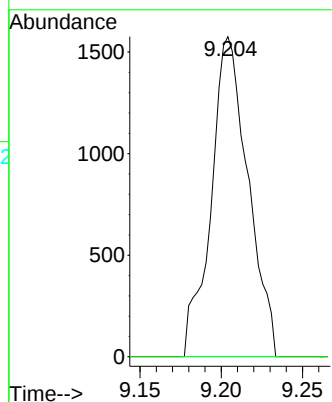
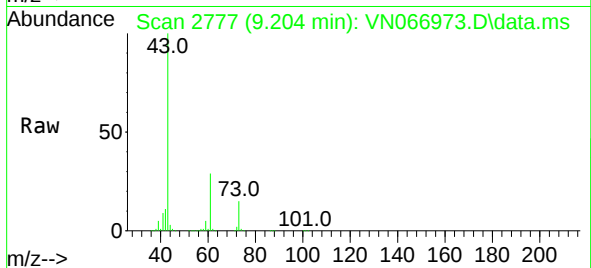


#45

1,2-Dichloropropane
Concen: 0.34 ug/l
RT: 9.204 min Scan# 2777
Delta R.T. 0.153 min
Lab File: VN066973.D
Acq: 5 May 2021 7:09

Instrument :
MSVOA_N
ClientSampled :

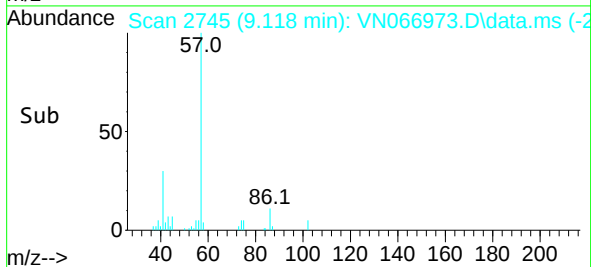
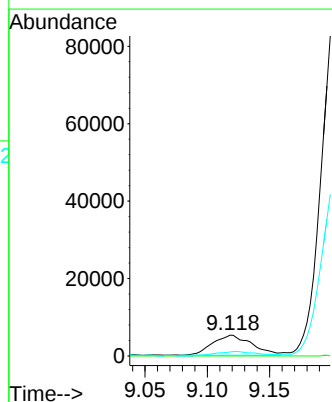
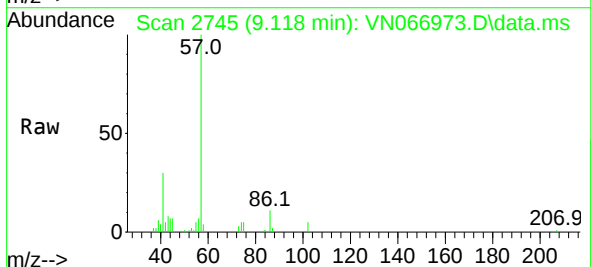
Tgt Ion: 63 Resp: 2497
Ion Ratio Lower Upper
63 100
65 0.0 24.9 37.3#

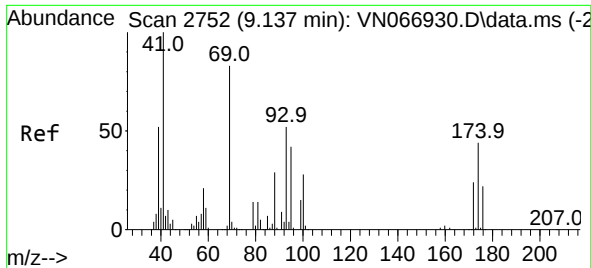


#48

Methyl methacrylate
Concen: 1.87 ug/l
RT: 9.118 min Scan# 2745
Delta R.T. -0.019 min
Lab File: VN066973.D
Acq: 5 May 2021 7:09

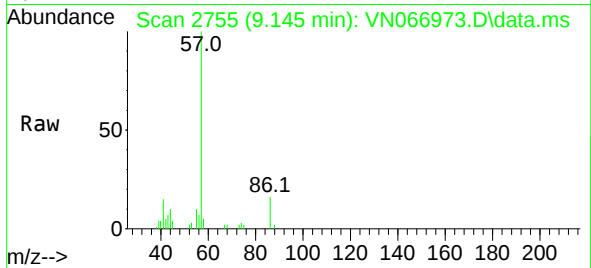
Tgt Ion: 41 Resp: 11335
Ion Ratio Lower Upper
41 100
69 0.0 75.9 113.9#
39 0.0 46.6 69.8#



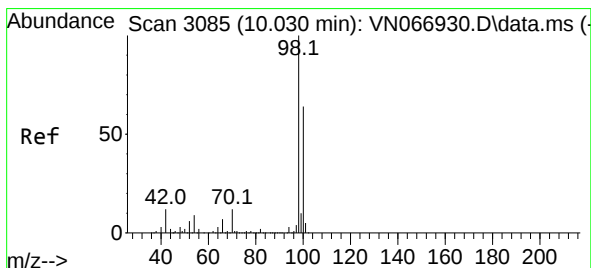
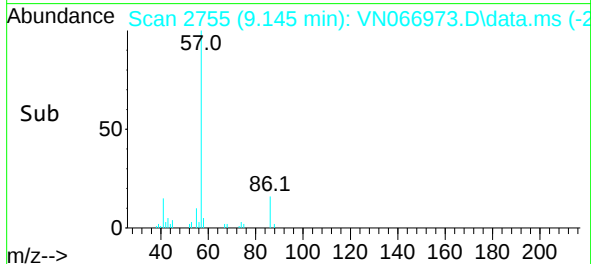
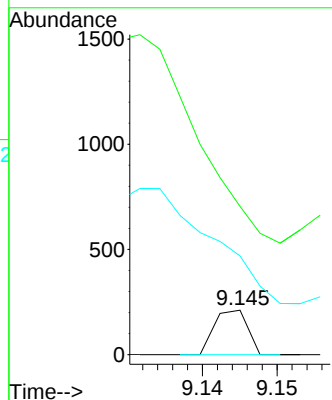


#49
1,4-Dioxane
Concen: 0.69 ug/l
RT: 9.145 min Scan# 2755
Delta R.T. 0.008 min
Lab File: VN066973.D
Acq: 5 May 2021 7:09

Instrument :
MSVOA_N
ClientSampleId :

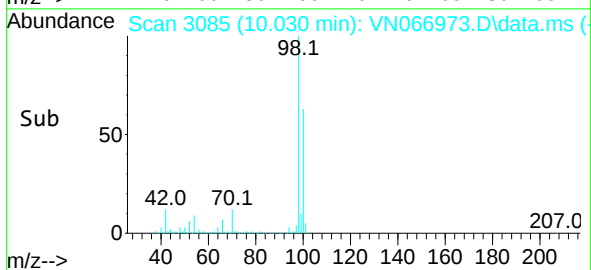
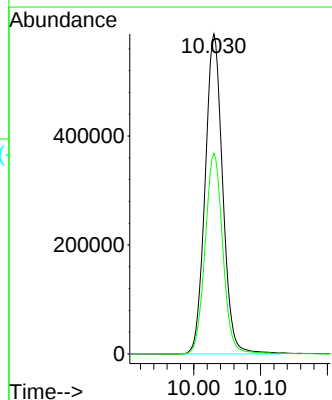
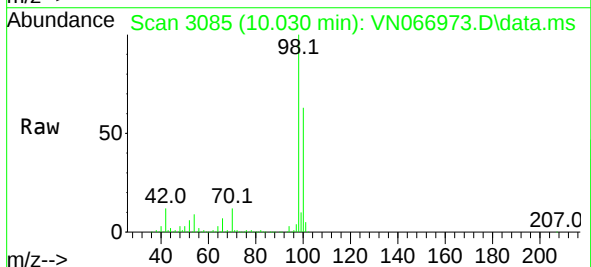


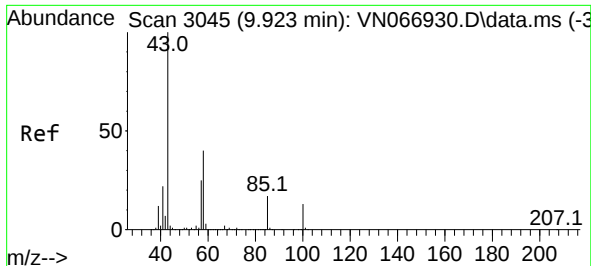
Tgt Ion: 88 Resp: 66
Ion Ratio Lower Upper
88 100
43 0.0 24.7 37.1#
58 0.0 52.6 78.8#



#50
Toluene-d8
Concen: 52.32 ug/l
RT: 10.030 min Scan# 3085
Delta R.T. 0.000 min
Lab File: VN066973.D
Acq: 5 May 2021 7:09

Tgt Ion: 98 Resp: 1074513
Ion Ratio Lower Upper
98 100
100 62.9 50.5 75.7

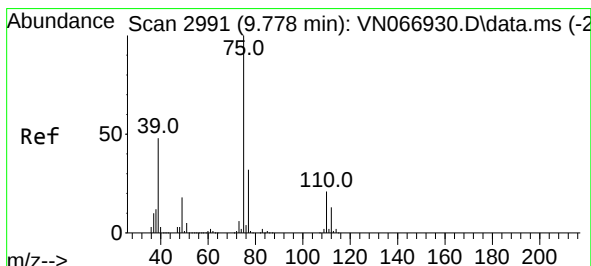
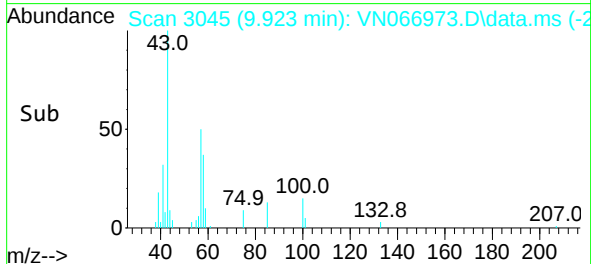
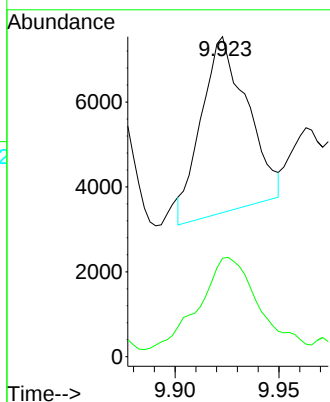
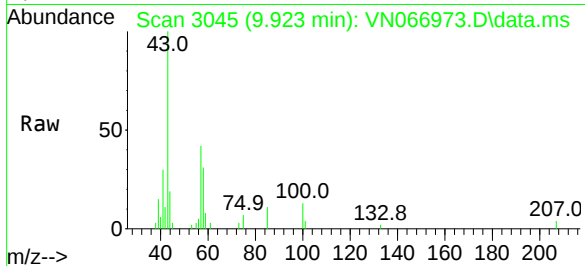




#51
4-Methyl-2-Pentanone
Concen: 0.81 ug/l
RT: 9.923 min Scan# 3045
Delta R.T. -0.000 min
Lab File: VN066973.D
Acq: 5 May 2021 7:09

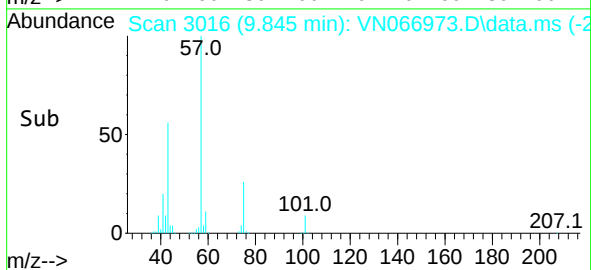
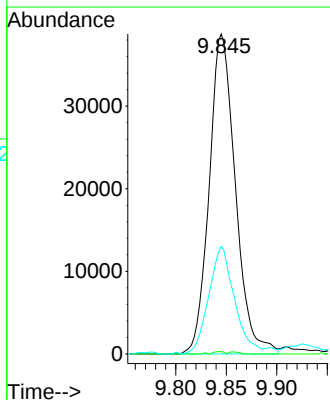
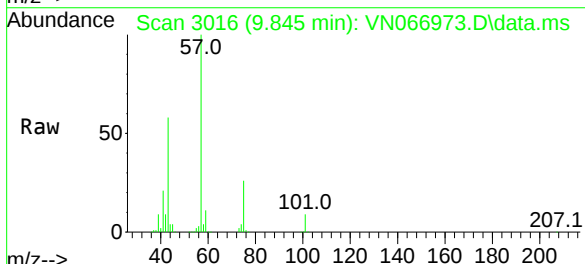
Instrument :
MSVOA_N
ClientSampled :

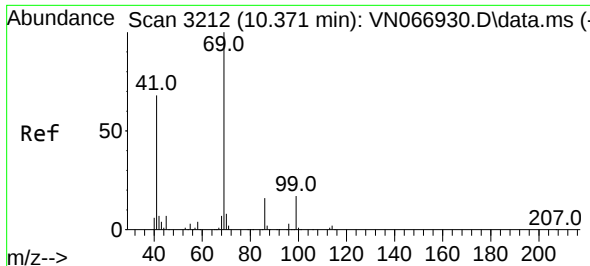
Tgt Ion: 43 Resp: 6417
Ion Ratio Lower Upper
43 100
58 67.8 32.5 48.7#



#54
cis-1,3-Dichloropropene
Concen: 6.41 ug/l
RT: 9.845 min Scan# 3016
Delta R.T. 0.067 min
Lab File: VN066973.D
Acq: 5 May 2021 7:09

Tgt Ion: 75 Resp: 69767
Ion Ratio Lower Upper
75 100
77 0.7 24.9 37.3#
39 33.2 36.2 54.4#

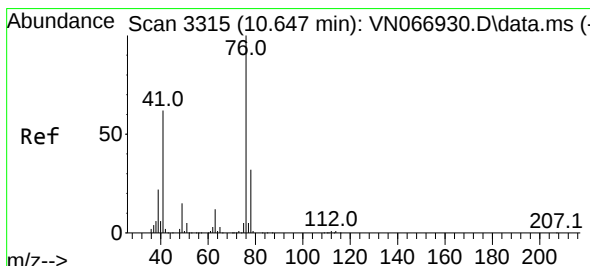
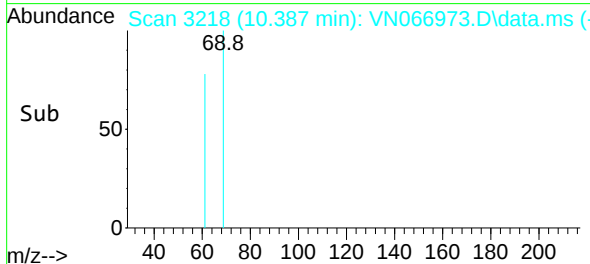
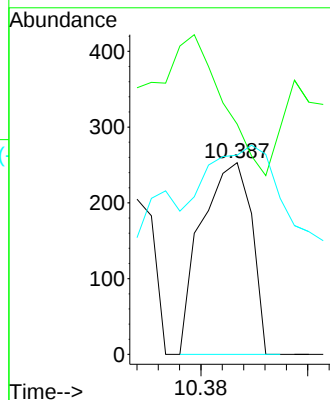
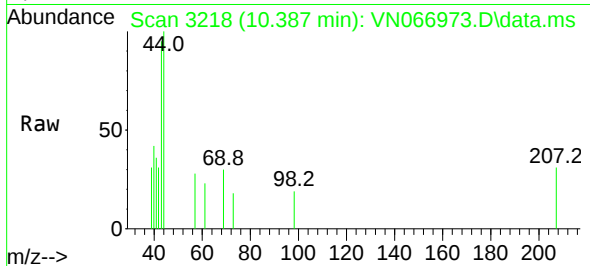




#56
Ethyl methacrylate
Concen: 5.21 ug/l
RT: 10.387 min Scan# 3218
Delta R.T. 0.016 min
Lab File: VN066973.D
Acq: 5 May 2021 7:09

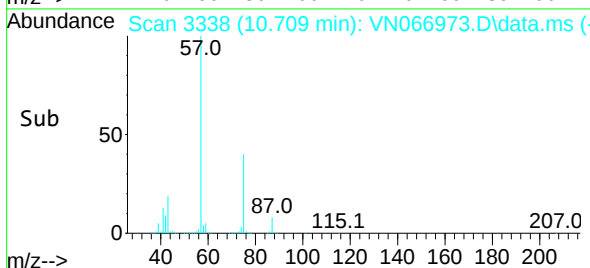
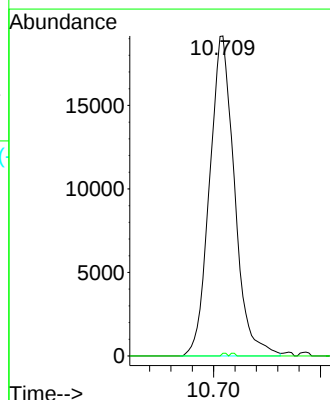
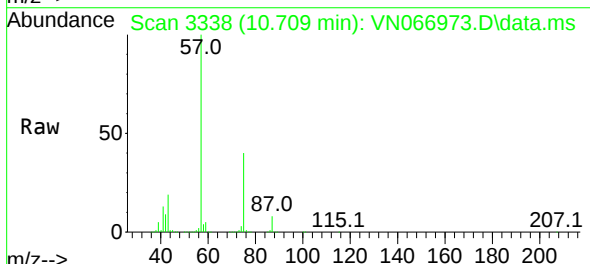
Instrument :
MSVOA_N
ClientSampled :

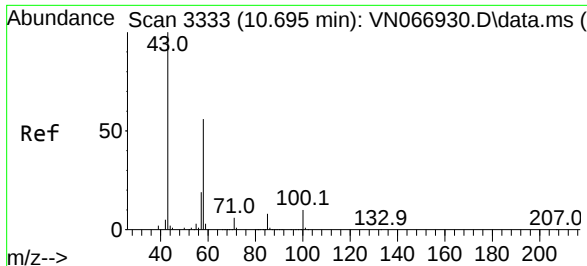
Tgt Ion: 69 Resp: 166
Ion Ratio Lower Upper
69 100
41 0.0 49.6 74.4#
39 214.5 28.0 42.0#



#57
1,3-Dichloropropane
Concen: 2.90 ug/l
RT: 10.709 min Scan# 3338
Delta R.T. 0.062 min
Lab File: VN066973.D
Acq: 5 May 2021 7:09

Tgt Ion: 76 Resp: 31131
Ion Ratio Lower Upper
76 100
78 0.2 25.7 38.5#

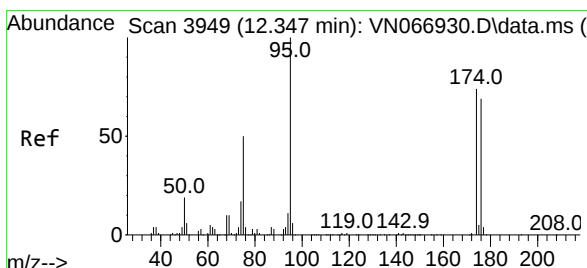
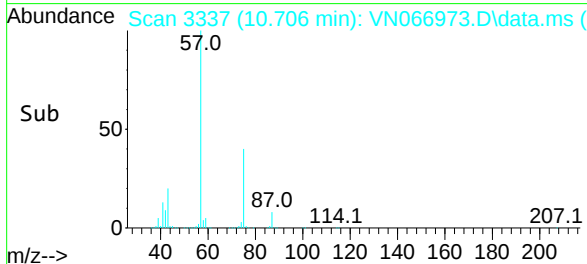
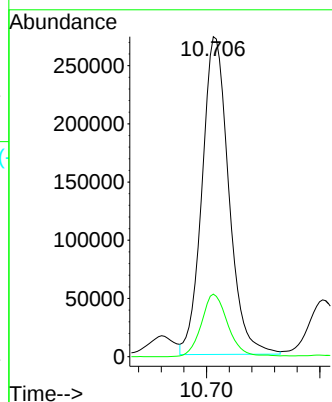
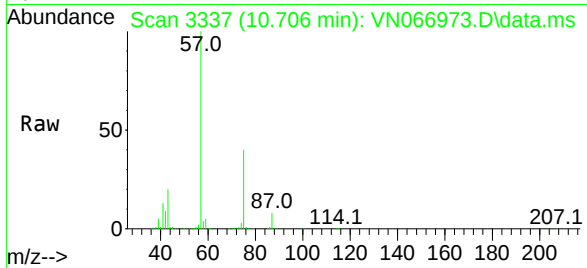




#59
2-Hexanone
Concen: 96.93 ug/l
RT: 10.706 min Scan# 3337
Delta R.T. 0.011 min
Lab File: VN066973.D
Acq: 5 May 2021 7:09

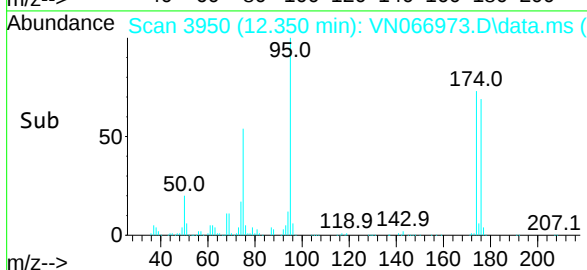
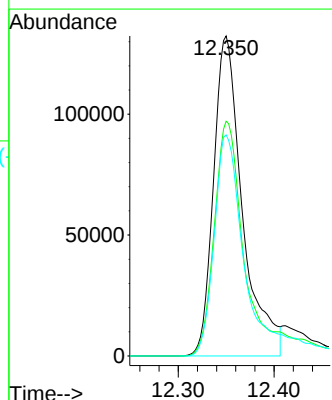
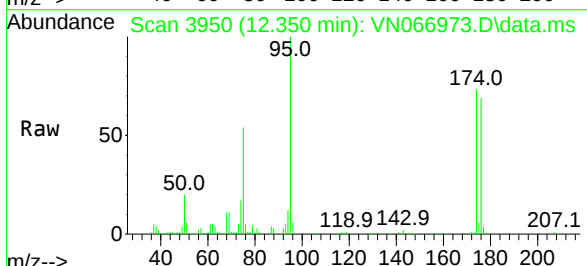
Instrument :
MSVOA_N
ClientSampled :

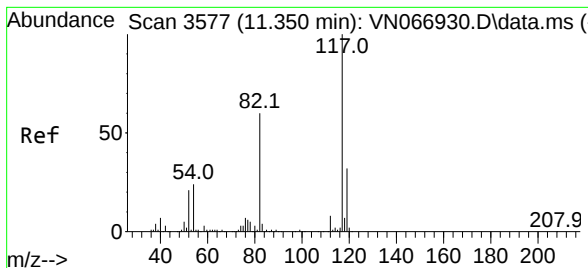
Tgt Ion: 43 Resp: 447079
Ion Ratio Lower Upper
43 100
58 19.6 28.1 84.3#



#62
4-Bromofluorobenzene
Concen: 39.77 ug/l
RT: 12.350 min Scan# 3950
Delta R.T. 0.003 min
Lab File: VN066973.D
Acq: 5 May 2021 7:09

Tgt Ion: 95 Resp: 276564
Ion Ratio Lower Upper
95 100
174 81.2 0.0 169.0
176 76.4 0.0 162.4

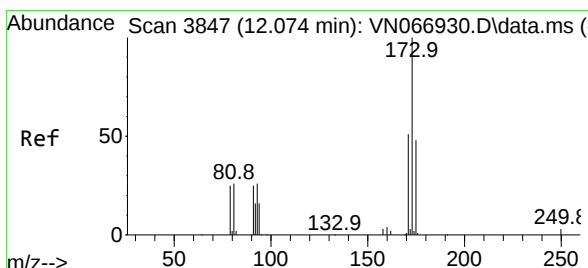
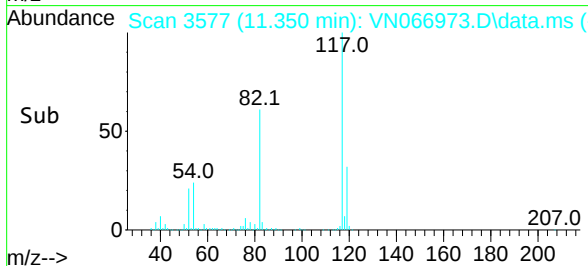
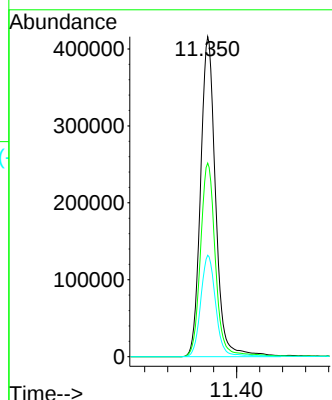
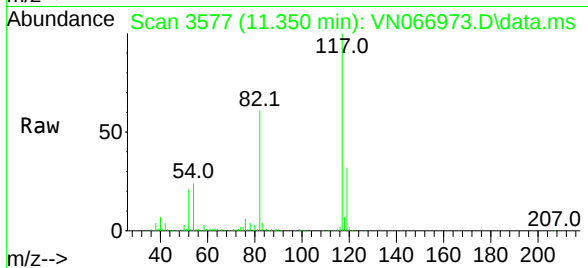




#63
Chlorobenzene-d5
Concen: 50.00 ug/l
RT: 11.350 min Scan# 3577
Delta R.T. -0.000 min
Lab File: VN066973.D
Acq: 5 May 2021 7:09

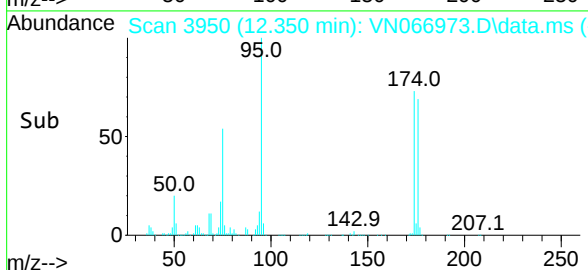
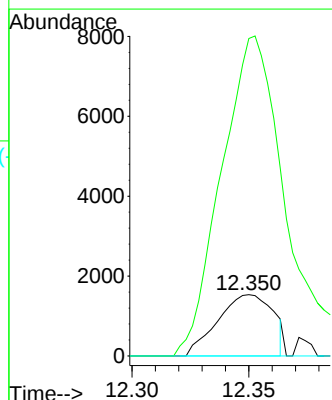
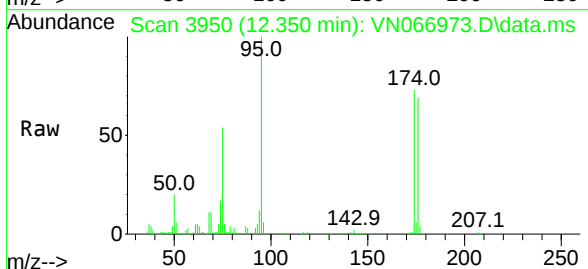
Instrument :
MSVOA_N
ClientSampled :

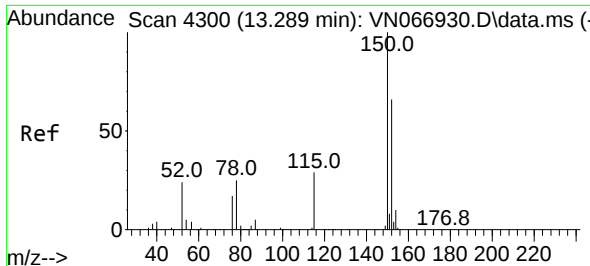
Tgt Ion:117 Resp: 754511
Ion Ratio Lower Upper
117 100
82 60.5 43.7 65.5
119 31.7 26.1 39.1



#71
Bromoform
Concen: 0.56 ug/l
RT: 12.350 min Scan# 3950
Delta R.T. 0.276 min
Lab File: VN066973.D
Acq: 5 May 2021 7:09

Tgt Ion:173 Resp: 2531
Ion Ratio Lower Upper
173 100
175 495.0 23.8 71.2#
254 0.0 0.0 0.0

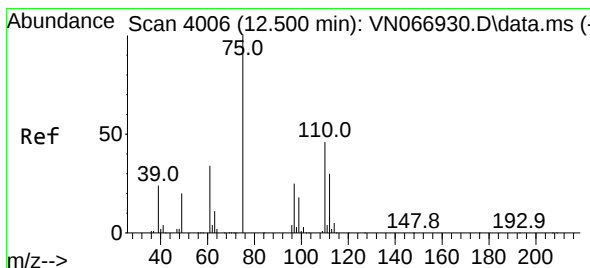
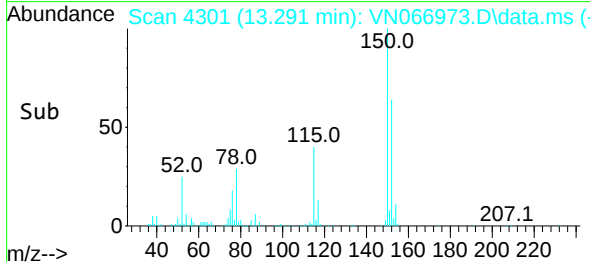
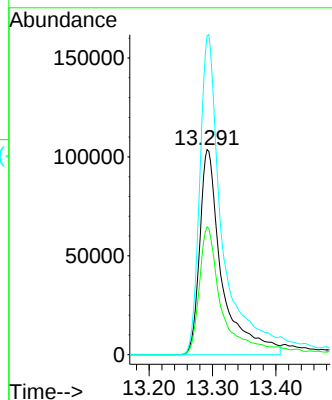
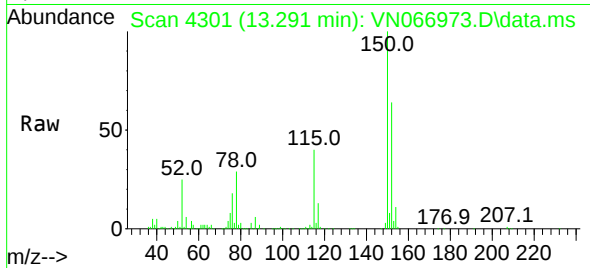




#72
1,4-Dichlorobenzene-d4
Concen: 50.00 ug/l
RT: 13.291 min Scan# 4301
Delta R.T. 0.002 min
Lab File: VN066973.D
Acq: 5 May 2021 7:09

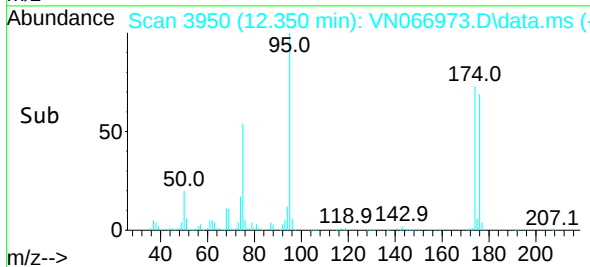
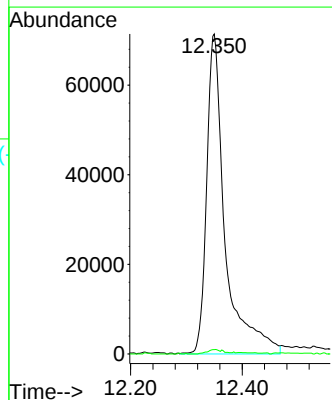
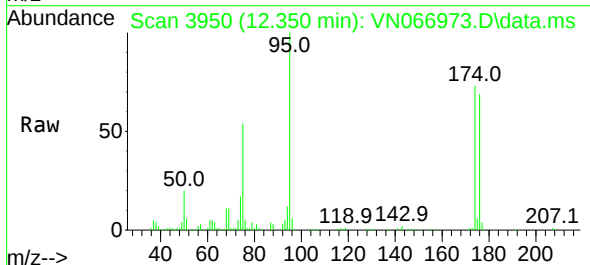
Instrument :
MSVOA_N
ClientSampled :

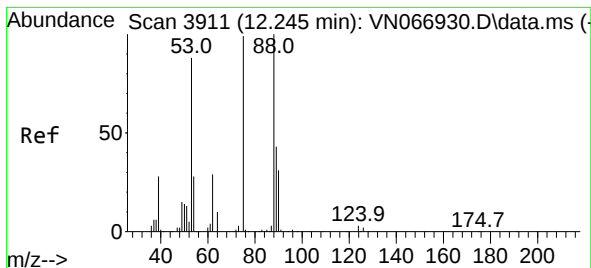
Tgt Ion:152 Resp: 254155
Ion Ratio Lower Upper
152 100
115 62.2 28.5 85.6
150 156.4 0.0 347.6



#76
1,2,3-Trichloropropane
Concen: 27.08 ug/l
RT: 12.350 min Scan# 3950
Delta R.T. -0.150 min
Lab File: VN066973.D
Acq: 5 May 2021 7:09

Tgt Ion: 75 Resp: 163937
Ion Ratio Lower Upper
75 100
77 0.9 0.0 0.0#

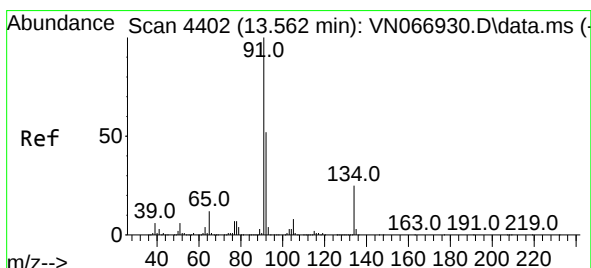
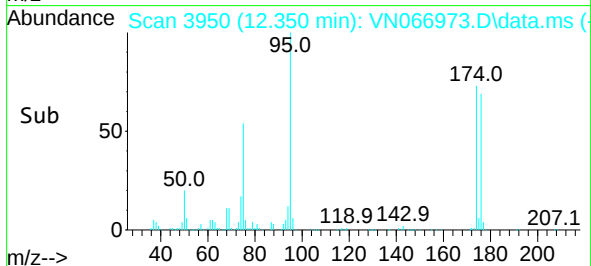
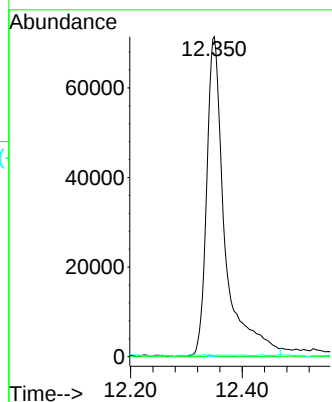
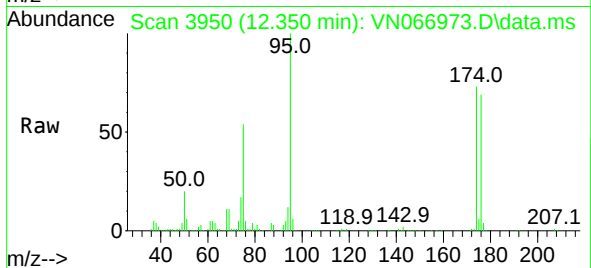




#81
trans-1,4-Dichloro-2-butene
Concen: 81.02 ug/l
RT: 12.350 min Scan# 3950
Delta R.T. 0.105 min
Lab File: VN066973.D
Acq: 5 May 2021 7:09

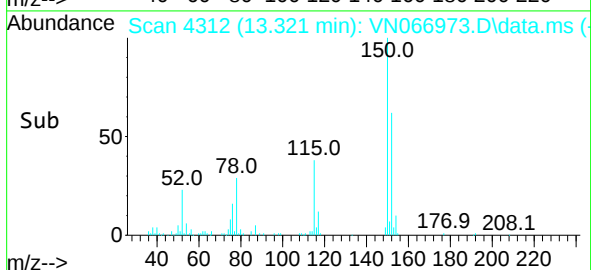
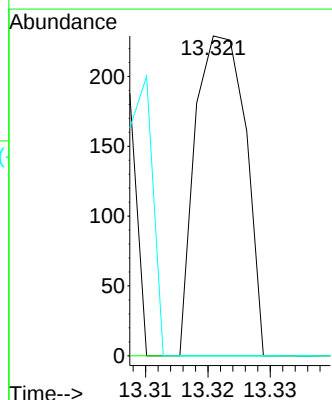
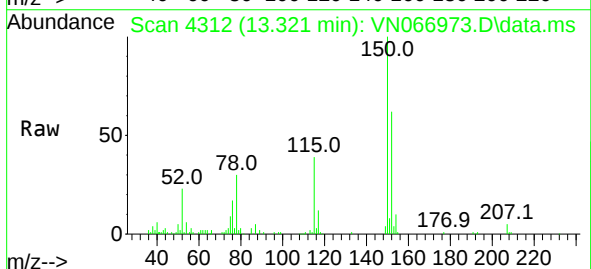
Instrument :
MSVOA_N
ClientSampled :

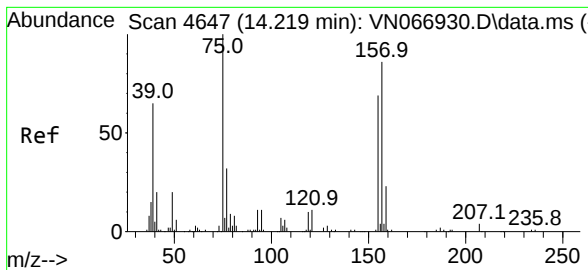
Tgt Ion: 75 Resp: 163937
Ion Ratio Lower Upper
75 100
53 0.2 74.6 111.8#
89 0.2 35.8 53.8#



#89
n-Butylbenzene
Concen: 5.25 ug/l
RT: 13.321 min Scan# 4312
Delta R.T. -0.241 min
Lab File: VN066973.D
Acq: 5 May 2021 7:09

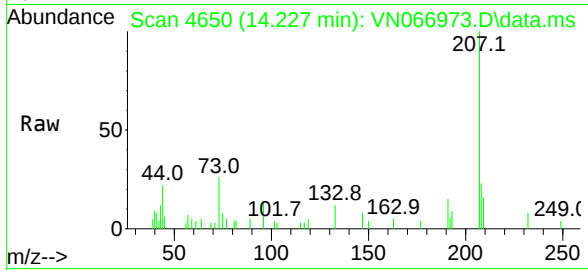
Tgt Ion: 91 Resp: 128
Ion Ratio Lower Upper
91 100
92 0.0 26.1 78.3#
134 45.3 13.0 38.9#





#92
 1,2-Dibromo-3-Chloropropane
 Concen: 0.42 ug/l
 RT: 14.227 min Scan# 4650
 Delta R.T. 0.008 min
 Lab File: VN066973.D
 Acq: 5 May 2021 7:09

Instrument :
 MSVOA_N
 ClientSampleId :



Tgt Ion: 75	Resp:	513
Ion Ratio	Lower	Upper
75	100	
155	0.0	44.1 132.4#
157	0.0	56.0 168.2#

