

Data Path : Z:\voasrv\HPCHEM1\MSVOA_N\Data\VN022221\
 Data File : VN065972.D
 Acq On : 22 Feb 2021 20:05
 Operator : JC/MD
 Sample : M1452-28
 Misc : 5.00mL/MSVOA_N/WATER
 ALS Vial : 25 Sample Multiplier: 1

Instrument :
 MSVOA_N
 ClientSampleId :

Quant Time: Feb 23 00:13:39 2021
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA_N\methods\82N021721W.M
 Quant Title : SW846 8260
 QLast Update : Wed Feb 17 15:48:13 2021
 Response via : Initial Calibration

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

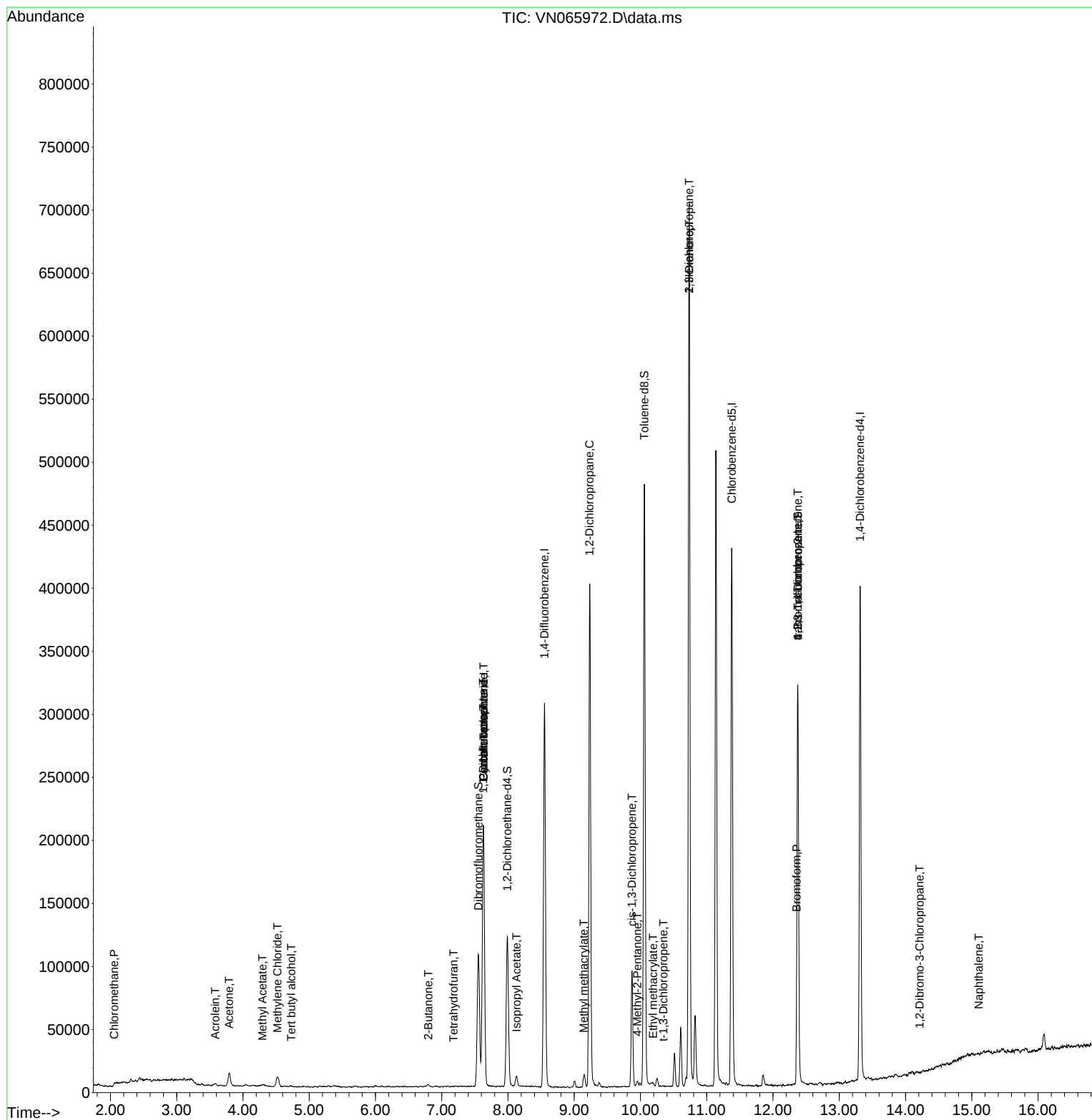
Internal Standards						
1) Pentafluorobenzene	7.630	168	168954	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	8.550	114	281851	50.00	ug/l	0.00
63) Chlorobenzene-d5	11.376	117	258516	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.315	152	110515	50.00	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	7.991	65	110230	46.65	ug/l	0.00
Spiked Amount 50.000	Range 61 - 141		Recovery =	93.30%		
35) Dibromofluoromethane	7.553	113	83361	47.79	ug/l	0.00
Spiked Amount 50.000	Range 69 - 133		Recovery =	95.58%		
50) Toluene-d8	10.058	98	342916	47.89	ug/l	0.00
Spiked Amount 50.000	Range 65 - 126		Recovery =	95.78%		
62) 4-Bromofluorobenzene	12.373	95	127677	47.50	ug/l	0.00
Spiked Amount 50.000	Range 58 - 135		Recovery =	95.00%		
Target Compounds					Qvalue	
3) Chloromethane	2.055	50	1221	0.44	ug/l	97
11) Tert butyl alcohol	4.730	59	188	0.57	ug/l #	73
13) Acrolein	3.582	56	2171	7.22	ug/l	98
16) Acetone	3.791	43	16923	21.33	ug/l	97
18) Methyl Acetate	4.293	43	419	0.21	ug/l #	66
20) Methylene Chloride	4.521	84	6642	3.03	ug/l	92
25) 2-Butanone	6.798	43	1750	1.50	ug/l #	85
29) Tetrahydrofuran	7.180	42	410	0.51	ug/l #	44
31) Cyclohexane	7.627	56	3357	0.95	ug/l #	6
36) 1,1-Dichloropropene	7.624	75	13085	4.71	ug/l #	49
38) Carbon Tetrachloride	7.630	117	16778	6.50	ug/l #	18
43) Isopropyl Acetate	8.129	43	9712	2.43	ug/l #	90
45) 1,2-Dichloropropane	9.232	63	455	0.21	ug/l #	44
48) Methyl methacrylate	9.142	41	2465	1.22	ug/l #	10
51) 4-Methyl-2-Pentanone	9.952	43	3289	1.35	ug/l	90
53) t-1,3-Dichloropropene	10.344	75	199	2.04	ug/l #	42
54) cis-1,3-Dichloropropene	9.872	75	18280	5.44	ug/l #	58
56) Ethyl methacrylate	10.190	69	1119	0.38	ug/l #	64
57) 1,3-Dichloropropane	10.733	76	7699	2.23	ug/l #	43
59) 2-Hexanone	10.733	43	101498	58.55	ug/l #	50
71) Bromoform	12.357	173	36	2.52	ug/l #	1
76) 1,2,3-Trichloropropane	12.373	75	62017	23.36	ug/l #	100
81) trans-1,4-Dichloro-2-b...	12.373	75	62017	74.45	ug/l #	12
92) 1,2-Dibromo-3-Chloropr...	14.212	75	20	0.89	ug/l #	1
95) Naphthalene	15.106	128	200	3.09	ug/l #	69

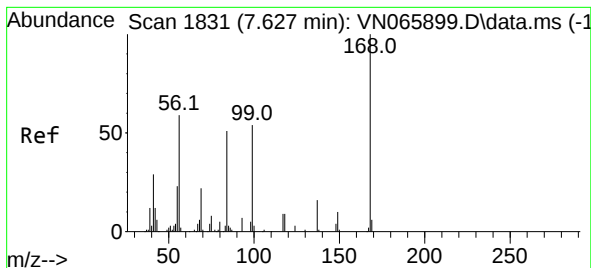
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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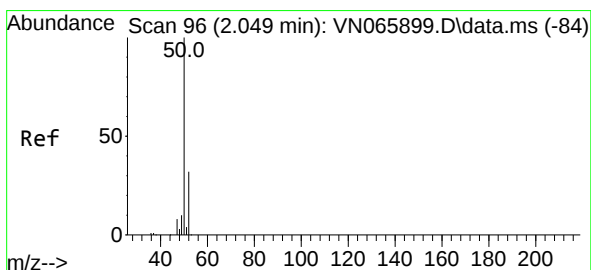
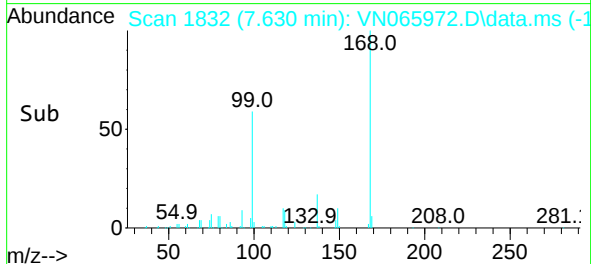
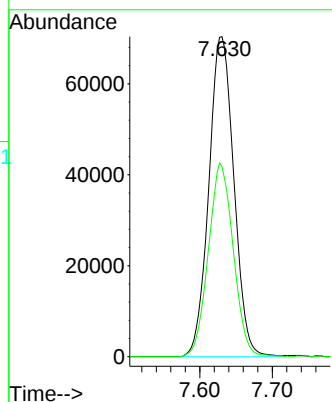
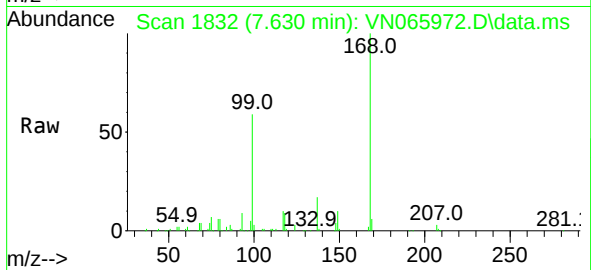


#1

Pentafluorobenzene
Concen: 50.00 ug/l
RT: 7.630 min Scan# 1832
Delta R.T. 0.003 min
Lab File: VN065972.D
Acq: 22 Feb 2021 20:05

Instrument :
MSVOA_N
ClientSampled :

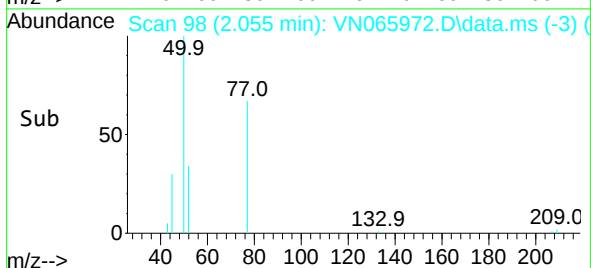
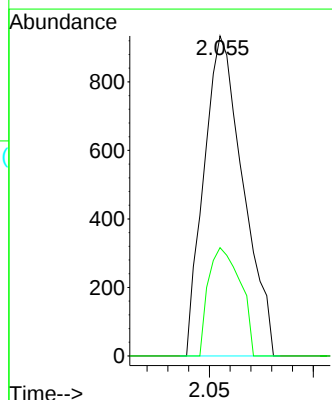
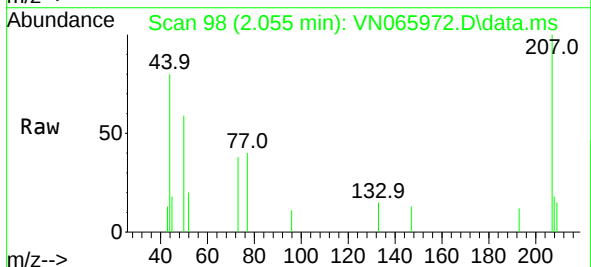
Tgt Ion:168 Resp: 168954
Ion Ratio Lower Upper
168 100
99 59.5 42.6 63.8

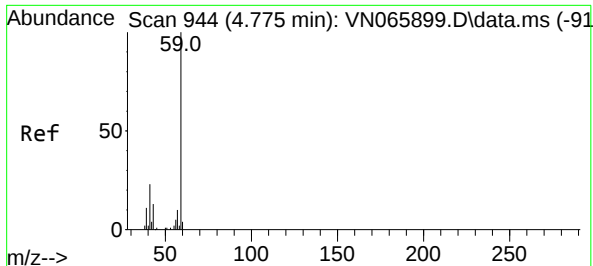


#3

Chloromethane
Concen: 0.44 ug/l
RT: 2.055 min Scan# 98
Delta R.T. 0.006 min
Lab File: VN065972.D
Acq: 22 Feb 2021 20:05

Tgt Ion: 50 Resp: 1221
Ion Ratio Lower Upper
50 100
52 33.8 25.8 38.8



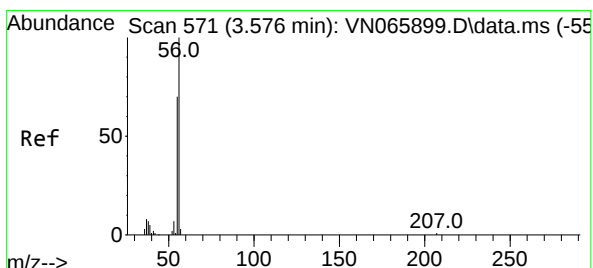
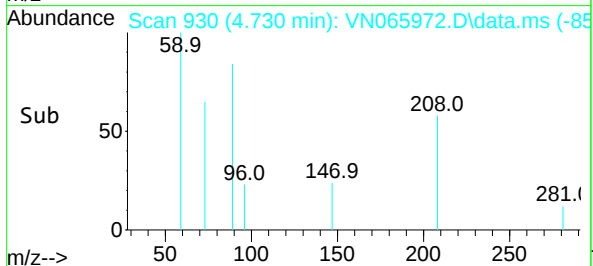
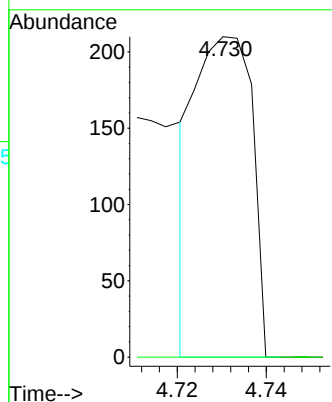
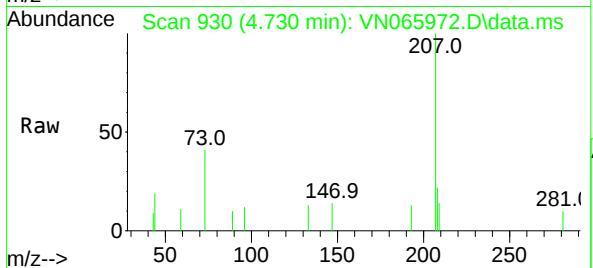


#11

Tert butyl alcohol
Concen: 0.57 ug/l
RT: 4.730 min Scan# 930
Delta R.T. -0.045 min
Lab File: VN065972.D
Acq: 22 Feb 2021 20:05

Instrument :
MSVOA_N
ClientSampleId :

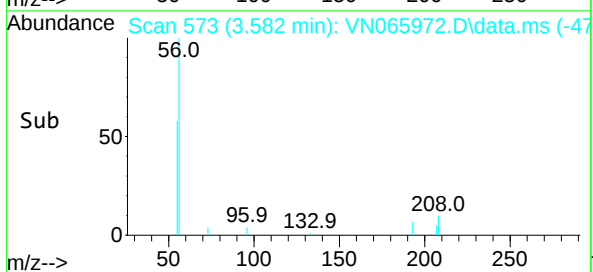
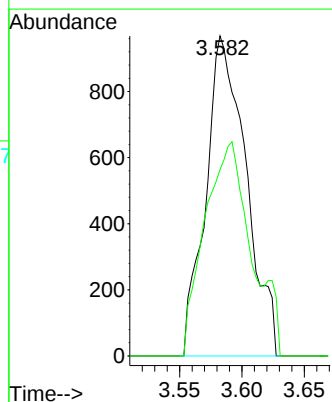
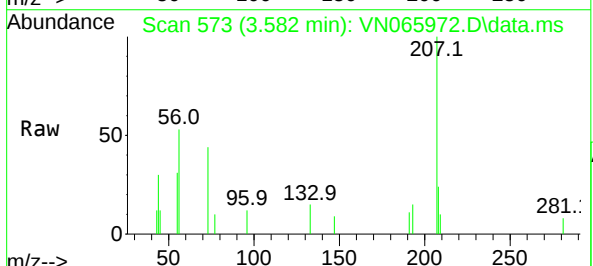
Tgt Ion: 59 Resp: 188
Ion Ratio Lower Upper
59 100
57 0.0 8.0 12.0#

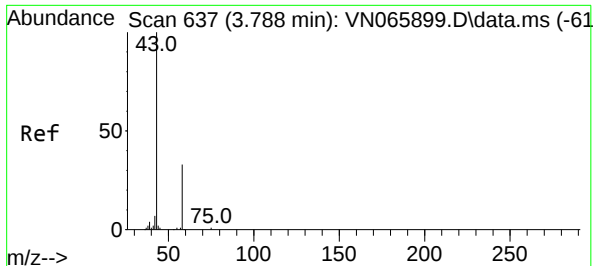


#13

Acrolein
Concen: 7.22 ug/l
RT: 3.582 min Scan# 573
Delta R.T. 0.006 min
Lab File: VN065972.D
Acq: 22 Feb 2021 20:05

Tgt Ion: 56 Resp: 2171
Ion Ratio Lower Upper
56 100
55 71.9 56.0 84.0

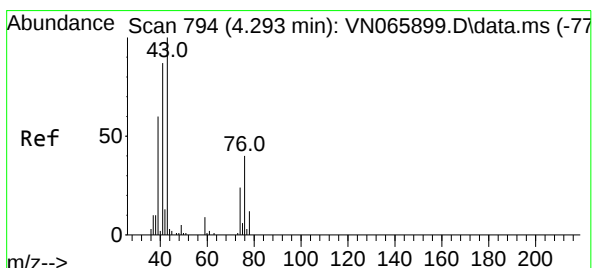
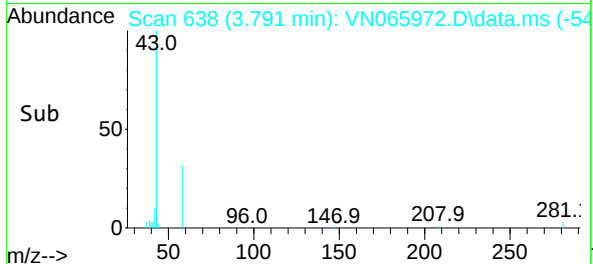
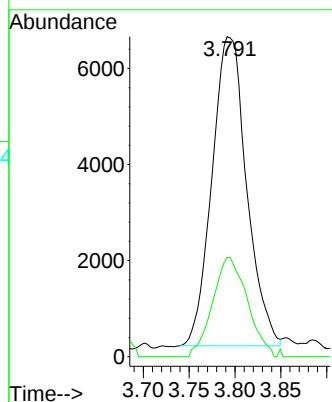
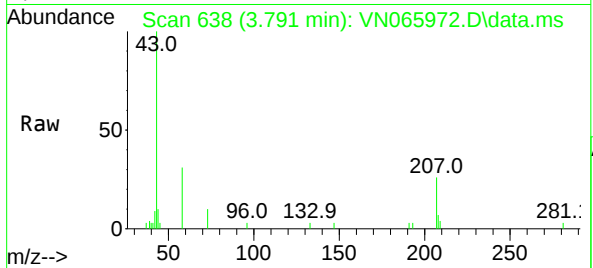




#16
Acetone
Concen: 21.33 ug/l
RT: 3.791 min Scan# 638
Delta R.T. 0.003 min
Lab File: VN065972.D
Acq: 22 Feb 2021 20:05

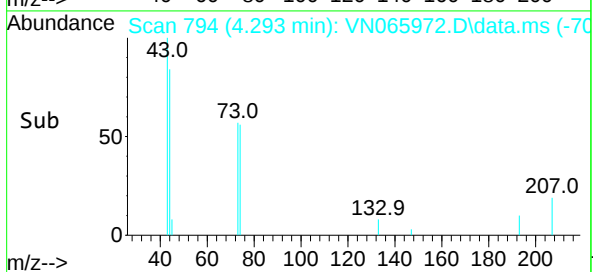
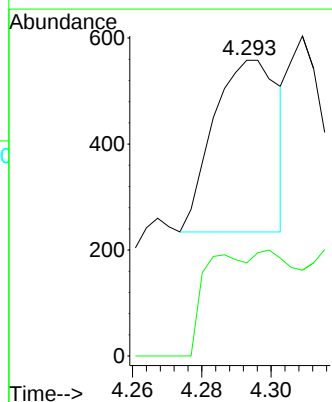
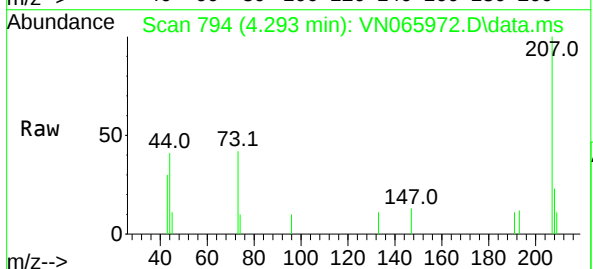
Instrument :
MSVOA_N
ClientSampled :

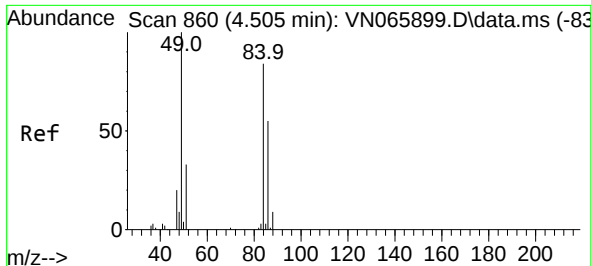
Tgt Ion: 43 Resp: 16923
Ion Ratio Lower Upper
43 100
58 32.1 27.0 40.6



#18
Methyl Acetate
Concen: 0.21 ug/l
RT: 4.293 min Scan# 794
Delta R.T. -0.000 min
Lab File: VN065972.D
Acq: 22 Feb 2021 20:05

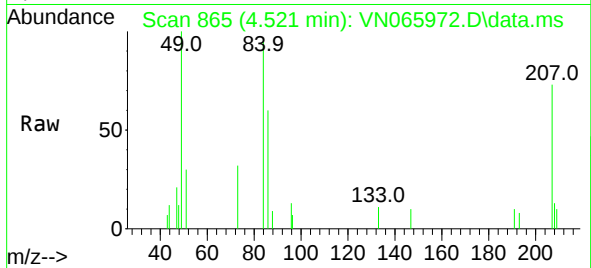
Tgt Ion: 43 Resp: 419
Ion Ratio Lower Upper
43 100
74 41.1 19.5 29.3#





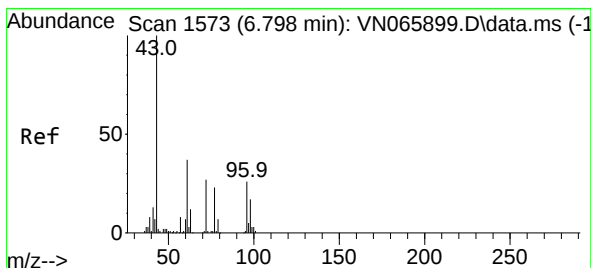
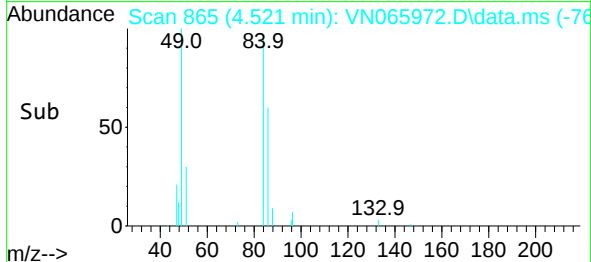
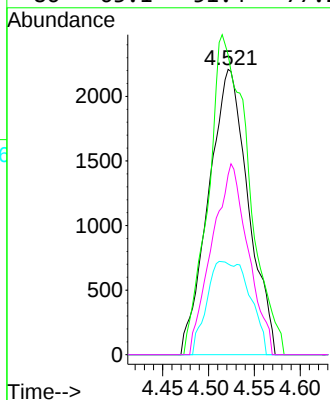
#20
Methylene Chloride
Concen: 3.03 ug/l
RT: 4.521 min Scan# 865
Delta R.T. 0.016 min
Lab File: VN065972.D
Acq: 22 Feb 2021 20:05

Instrument :
MSVOA_N
ClientSampled :



Tgt Ion: 84 Resp: 6642

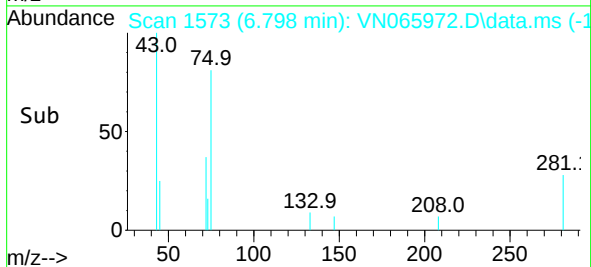
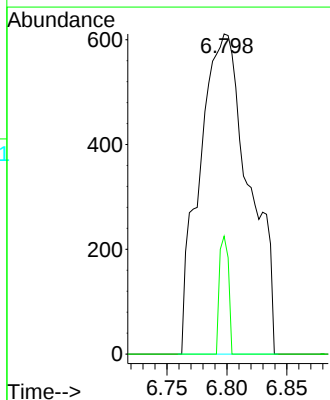
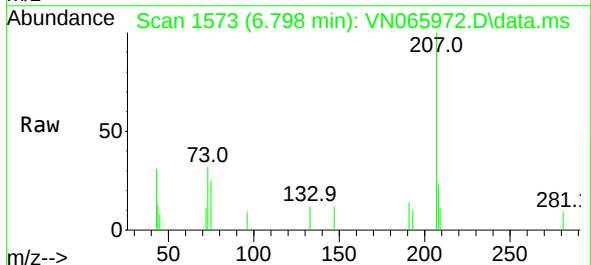
Ion	Ratio	Lower	Upper
84	100		
49	105.2	94.6	141.8
51	31.8	29.9	44.9
86	63.1	51.4	77.2

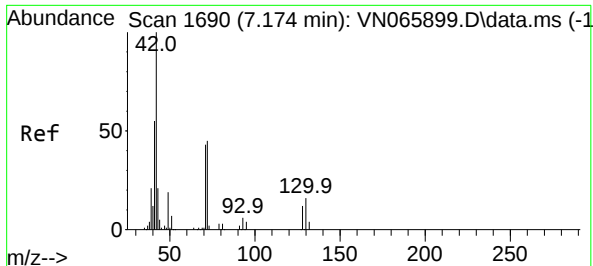


#25
2-Butanone
Concen: 1.50 ug/l
RT: 6.798 min Scan# 1573
Delta R.T. -0.000 min
Lab File: VN065972.D
Acq: 22 Feb 2021 20:05

Tgt Ion: 43 Resp: 1750

Ion	Ratio	Lower	Upper
43	100		
72	36.8	23.1	34.7#





#29

Tetrahydrofuran

Concen: 0.51 ug/l

RT: 7.180 min Scan# 1692

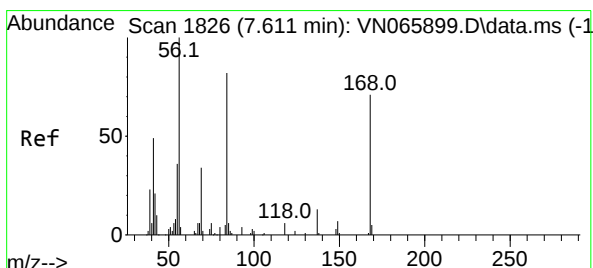
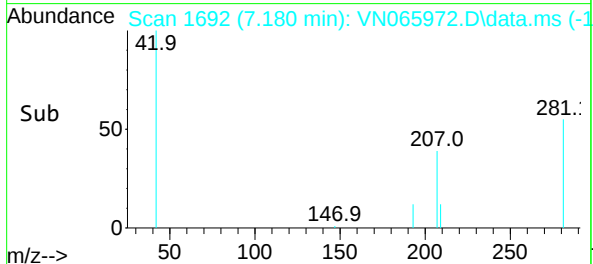
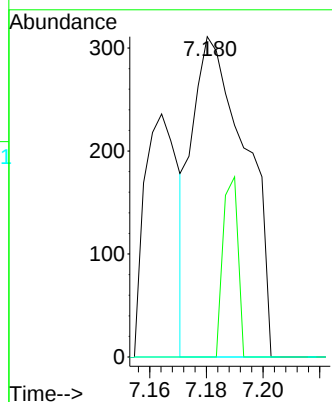
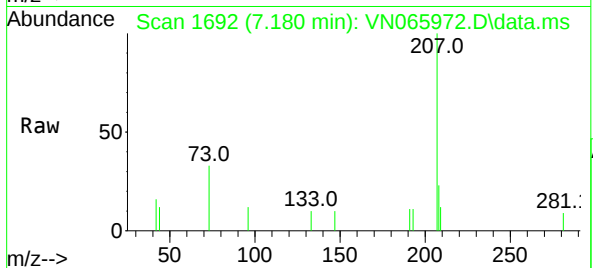
Delta R.T. 0.006 min

Lab File: VN065972.D

Acq: 22 Feb 2021 20:05

Tgt Ion:	42	Resp:	410
Ion	Ratio	Lower	Upper
42	100		
72	15.6	36.6	55.0#
71	0.0	34.3	51.5#

Instrument :
MSVOA_N
ClientSampleId :



#31

Cyclohexane

Concen: 0.95 ug/l

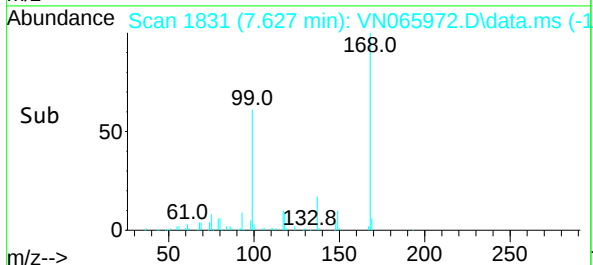
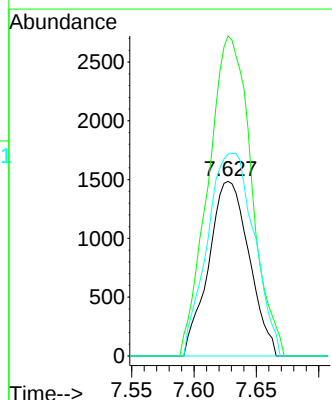
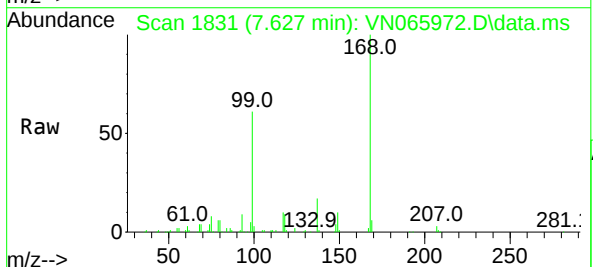
RT: 7.627 min Scan# 1831

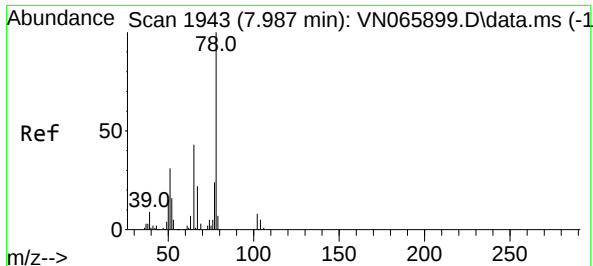
Delta R.T. 0.016 min

Lab File: VN065972.D

Acq: 22 Feb 2021 20:05

Tgt Ion:	56	Resp:	3357
Ion	Ratio	Lower	Upper
56	100		
69	183.3	26.6	39.8#
84	115.6	70.4	105.6#

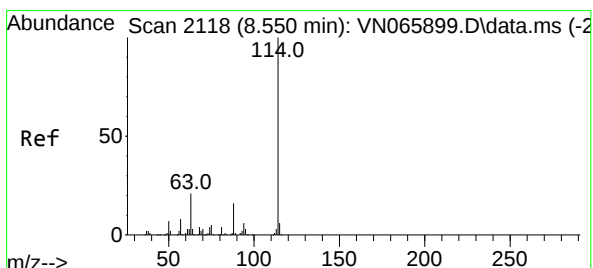
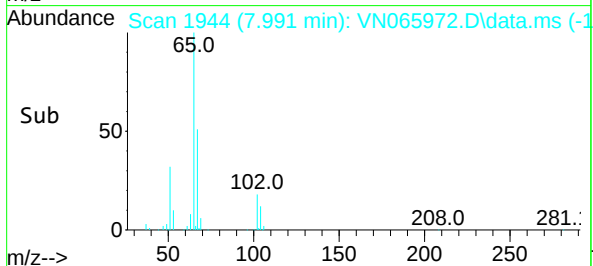
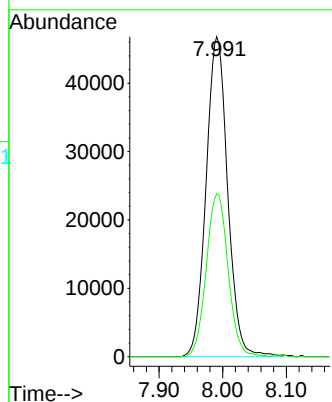
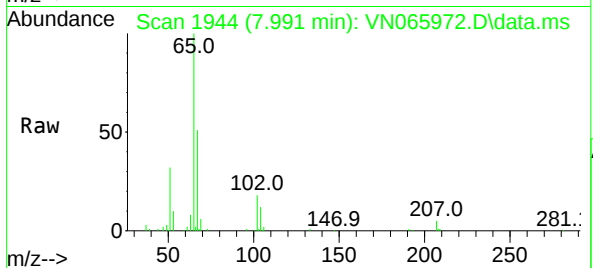




#33
1,2-Dichloroethane-d4
Concen: 46.65 ug/l
RT: 7.991 min Scan# 1944
Delta R.T. 0.004 min
Lab File: VN065972.D
Acq: 22 Feb 2021 20:05

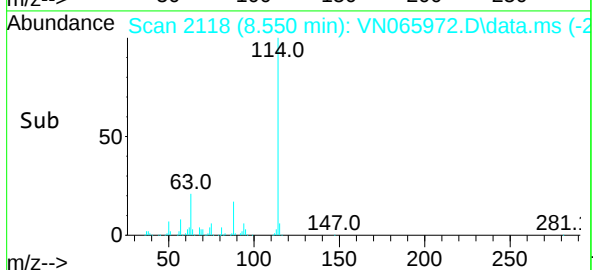
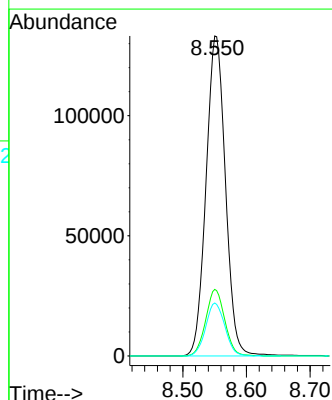
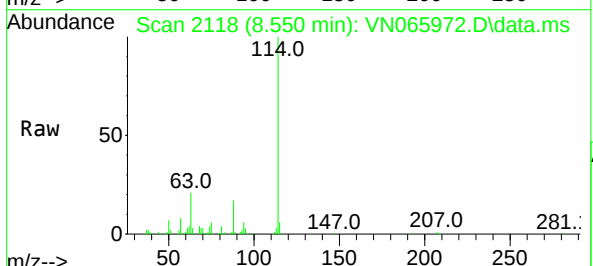
Instrument :
MSVOA_N
ClientSampled :

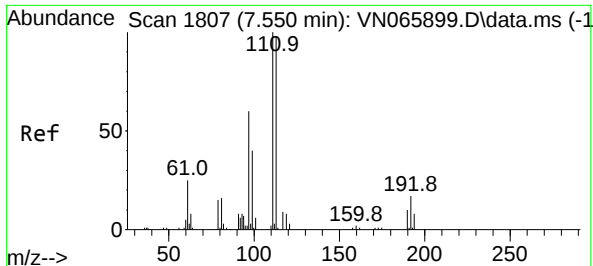
Tgt Ion: 65 Resp: 110230
Ion Ratio Lower Upper
65 100
67 51.4 0.0 107.2



#34
1,4-Difluorobenzene
Concen: 50.00 ug/l
RT: 8.550 min Scan# 2118
Delta R.T. 0.000 min
Lab File: VN065972.D
Acq: 22 Feb 2021 20:05

Tgt Ion: 114 Resp: 281851
Ion Ratio Lower Upper
114 100
63 20.8 0.0 38.6
88 16.6 0.0 30.6

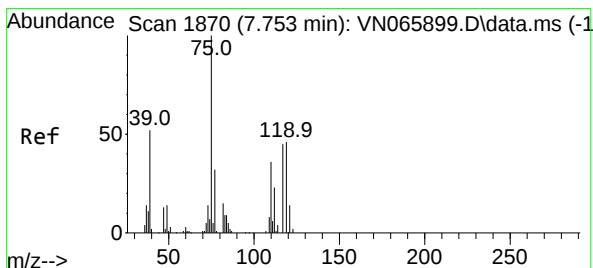
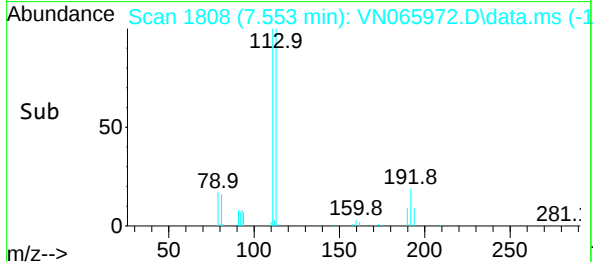
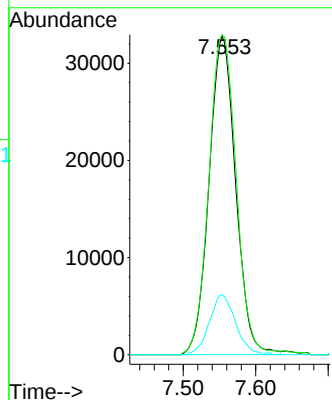
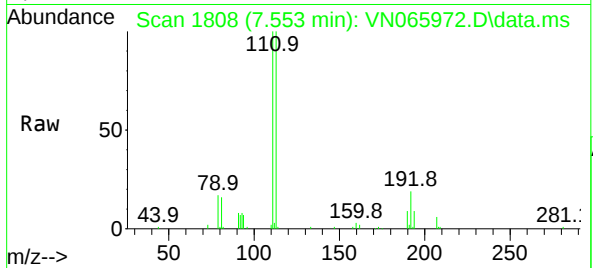




#35
Dibromofluoromethane
Concen: 47.79 ug/l
RT: 7.553 min Scan# 1808
Delta R.T. 0.003 min
Lab File: VN065972.D
Acq: 22 Feb 2021 20:05

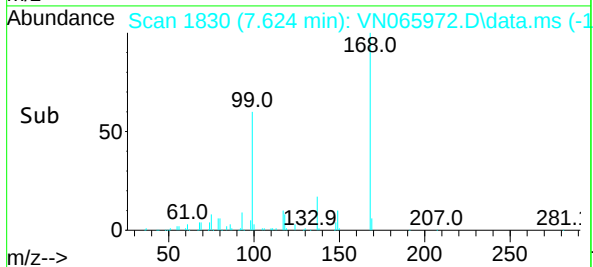
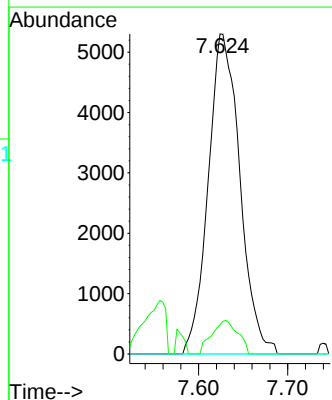
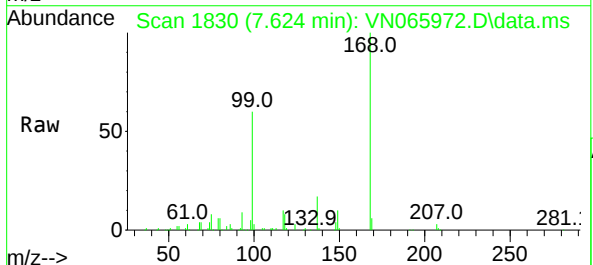
Instrument :
MSVOA_N
ClientSampled :

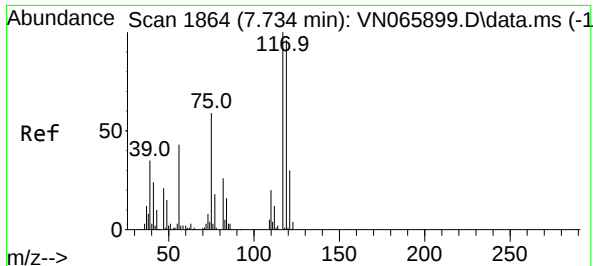
Tgt Ion:113 Resp: 83361
Ion Ratio Lower Upper
113 100
111 103.6 82.2 123.2
192 18.5 15.4 23.0



#36
1,1-Dichloropropene
Concen: 4.71 ug/l
RT: 7.624 min Scan# 1830
Delta R.T. -0.129 min
Lab File: VN065972.D
Acq: 22 Feb 2021 20:05

Tgt Ion: 75 Resp: 13085
Ion Ratio Lower Upper
75 100
110 8.6 18.2 54.6#
77 0.0 24.9 37.3#

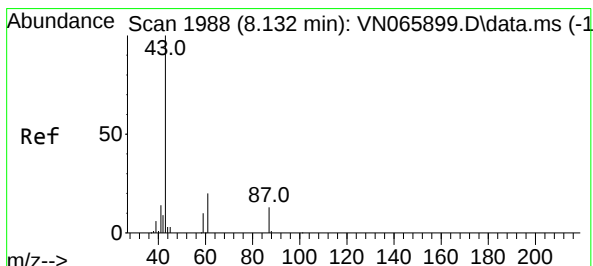
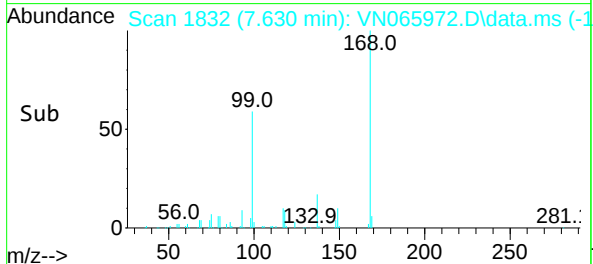
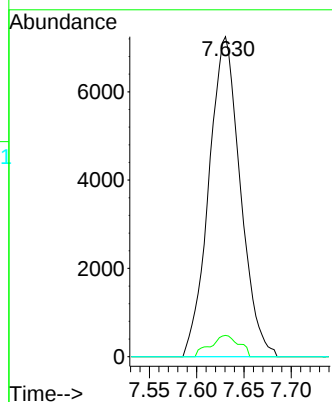
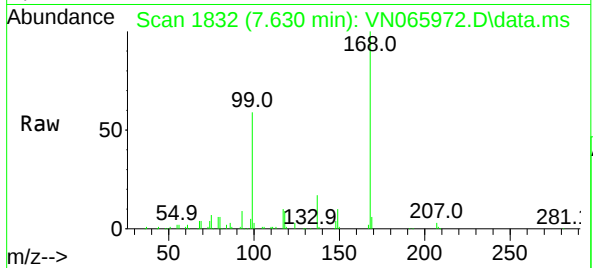




#38
Carbon Tetrachloride
Concen: 6.50 ug/l
RT: 7.630 min Scan# 1832
Delta R.T. -0.104 min
Lab File: VN065972.D
Acq: 22 Feb 2021 20:05

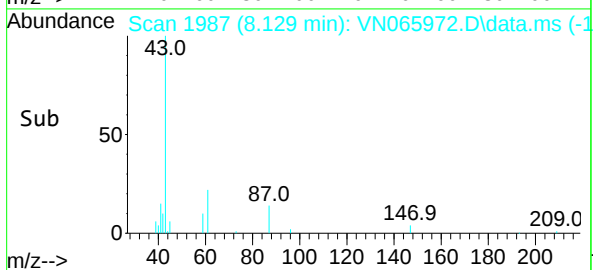
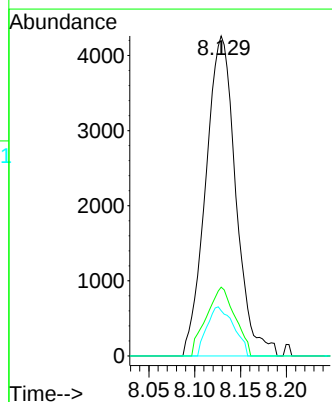
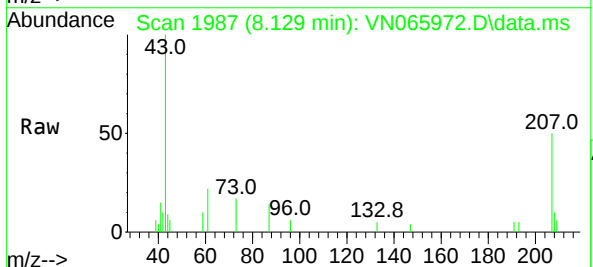
Instrument :
MSVOA_N
ClientSampleId :

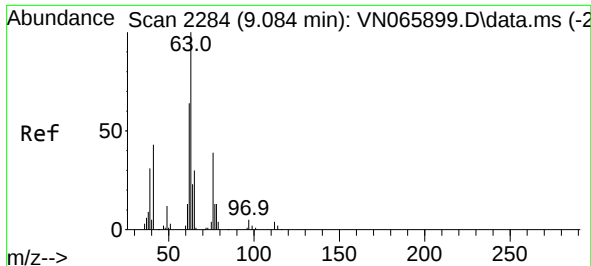
Tgt Ion:117 Resp: 16778
Ion Ratio Lower Upper
117 100
119 6.6 76.0 114.0#
121 0.0 24.5 36.7#



#43
Isopropyl Acetate
Concen: 2.43 ug/l
RT: 8.129 min Scan# 1987
Delta R.T. -0.003 min
Lab File: VN065972.D
Acq: 22 Feb 2021 20:05

Tgt Ion: 43 Resp: 9712
Ion Ratio Lower Upper
43 100
61 20.4 22.5 33.7#
87 13.5 11.1 16.7

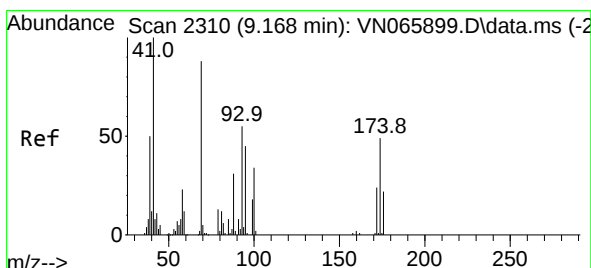
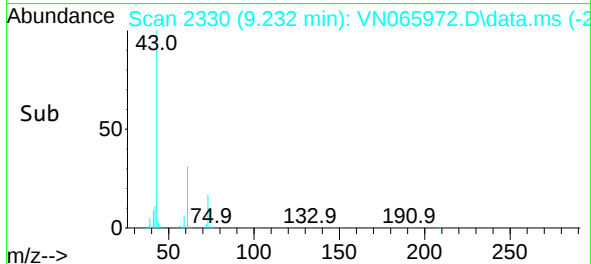
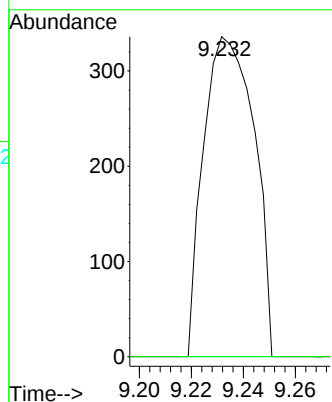
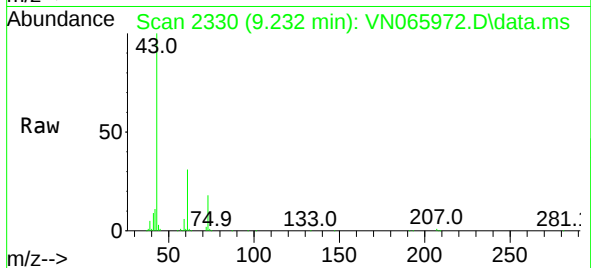




#45
1,2-Dichloropropane
Concen: 0.21 ug/l
RT: 9.232 min Scan# 2330
Delta R.T. 0.148 min
Lab File: VN065972.D
Acq: 22 Feb 2021 20:05

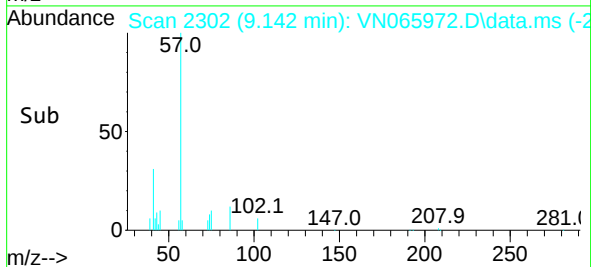
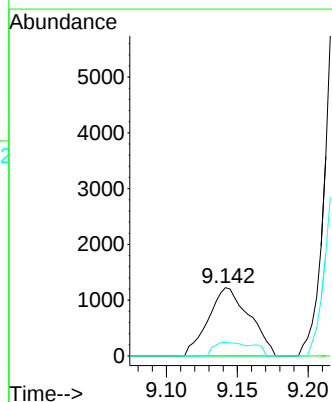
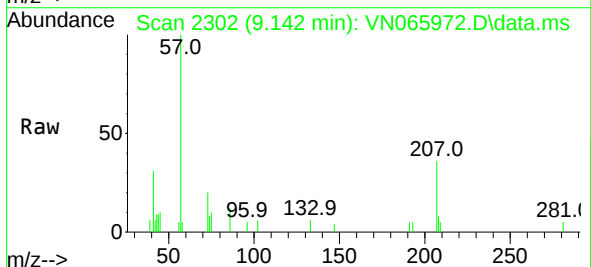
Instrument :
MSVOA_N
ClientSampled :

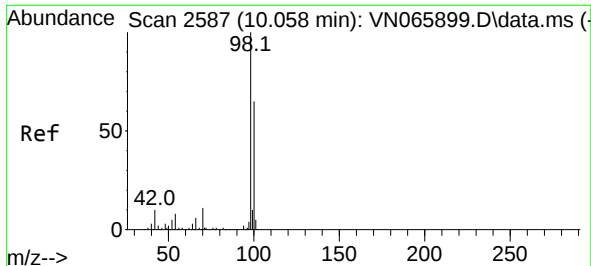
Tgt Ion: 63 Resp: 455
Ion Ratio Lower Upper
63 100
65 0.0 24.9 37.3#



#48
Methyl methacrylate
Concen: 1.22 ug/l
RT: 9.142 min Scan# 2302
Delta R.T. -0.026 min
Lab File: VN065972.D
Acq: 22 Feb 2021 20:05

Tgt Ion: 41 Resp: 2465
Ion Ratio Lower Upper
41 100
69 0.0 75.9 113.9#
39 0.0 46.6 69.8#

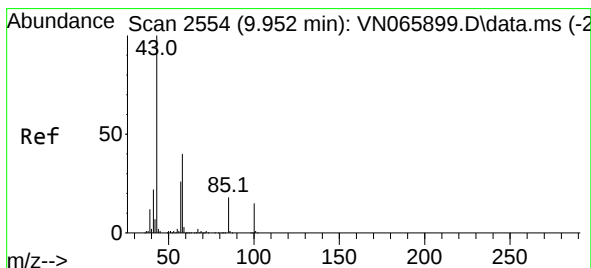
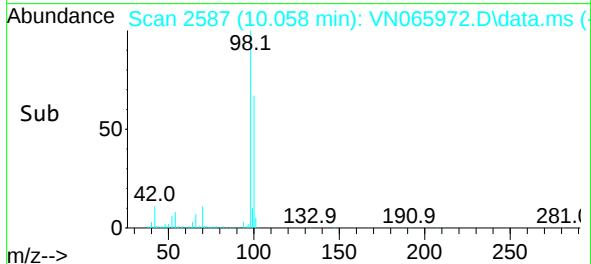
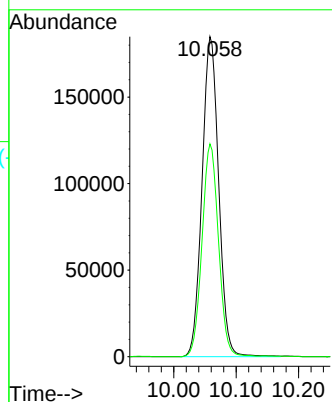
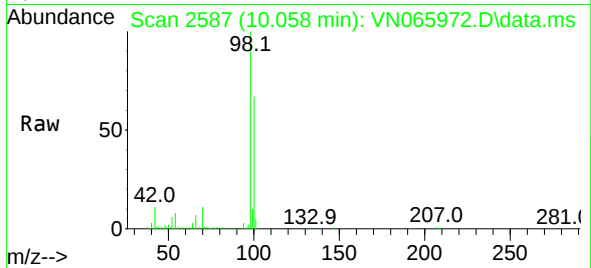




#50
Toluene-d8
Concen: 47.89 ug/l
RT: 10.058 min Scan# 2587
Delta R.T. 0.000 min
Lab File: VN065972.D
Acq: 22 Feb 2021 20:05

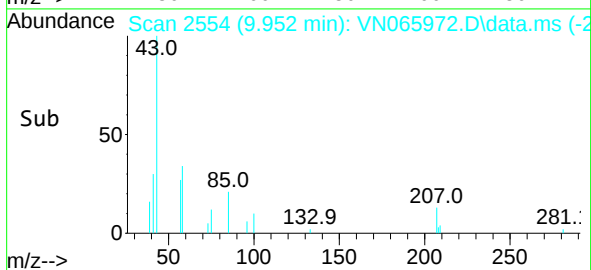
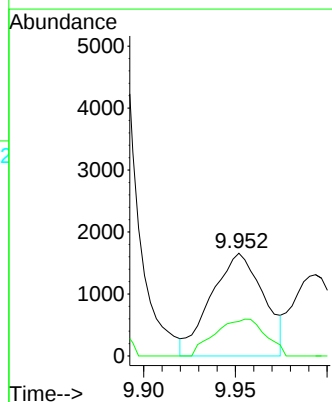
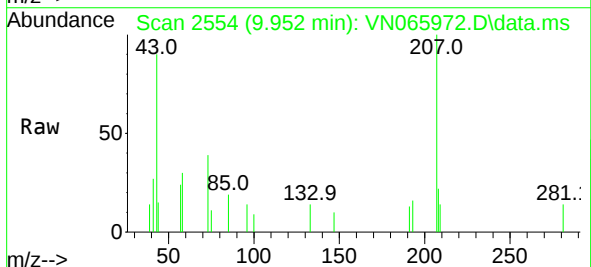
Instrument :
MSVOA_N
ClientSampled :

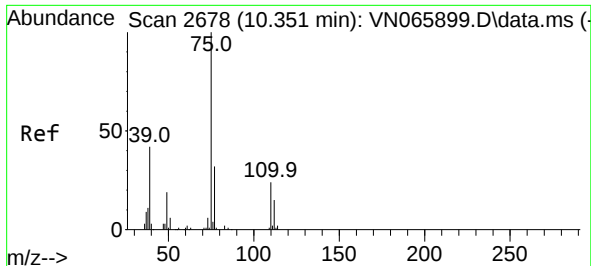
Tgt Ion: 98 Resp: 342916
Ion Ratio Lower Upper
98 100
100 65.7 50.5 75.7



#51
4-Methyl-2-Pentanone
Concen: 1.35 ug/l
RT: 9.952 min Scan# 2554
Delta R.T. -0.000 min
Lab File: VN065972.D
Acq: 22 Feb 2021 20:05

Tgt Ion: 43 Resp: 3289
Ion Ratio Lower Upper
43 100
58 34.7 32.5 48.7

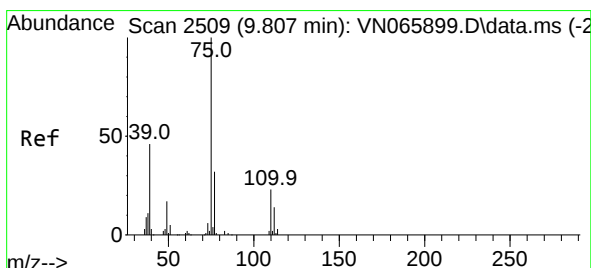
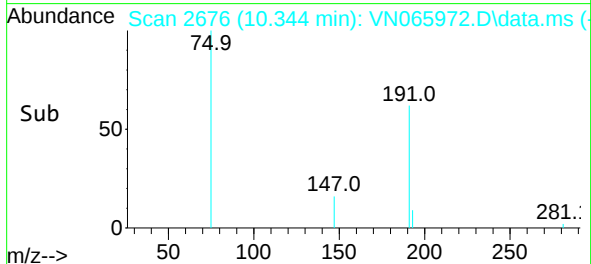
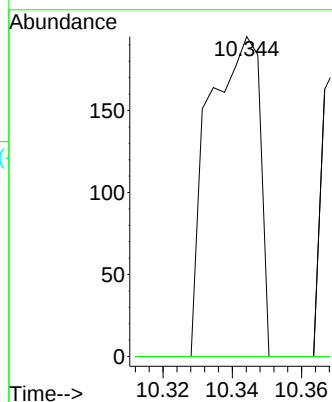
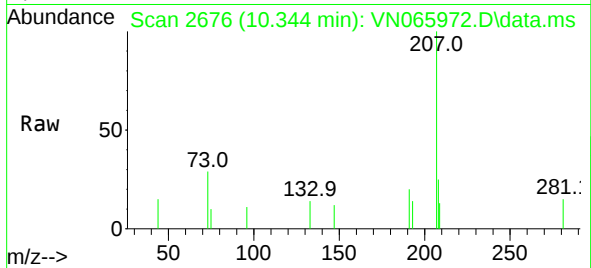




#53
t-1,3-Dichloropropene
Concen: 2.04 ug/l
RT: 10.344 min Scan# 2676
Delta R.T. -0.007 min
Lab File: VN065972.D
Acq: 22 Feb 2021 20:05

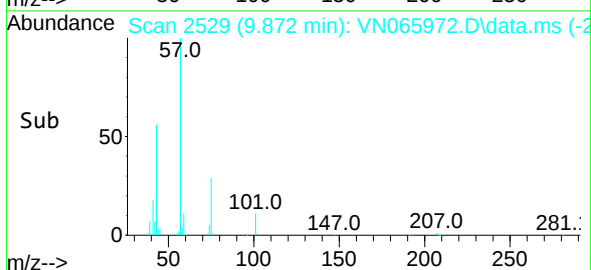
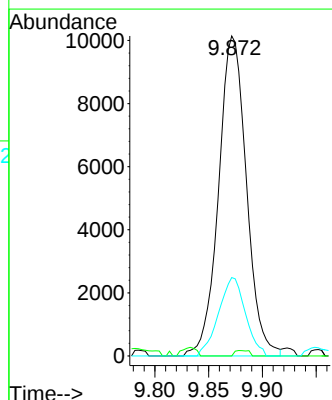
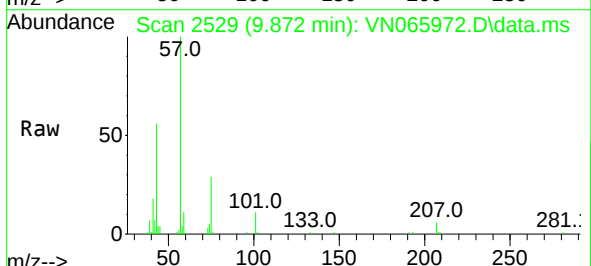
Instrument :
MSVOA_N
ClientSampled :

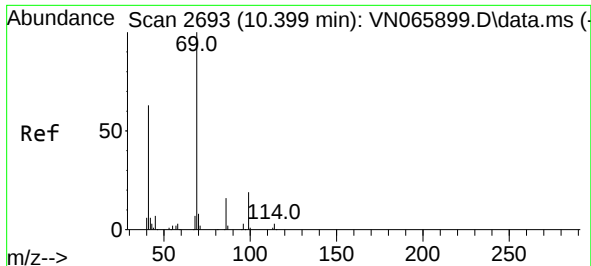
Tgt Ion: 75 Resp: 199
Ion Ratio Lower Upper
75 100
77 0.0 26.2 39.4#



#54
cis-1,3-Dichloropropene
Concen: 5.44 ug/l
RT: 9.872 min Scan# 2529
Delta R.T. 0.065 min
Lab File: VN065972.D
Acq: 22 Feb 2021 20:05

Tgt Ion: 75 Resp: 18280
Ion Ratio Lower Upper
75 100
77 0.0 24.9 37.3#
39 24.5 36.2 54.4#

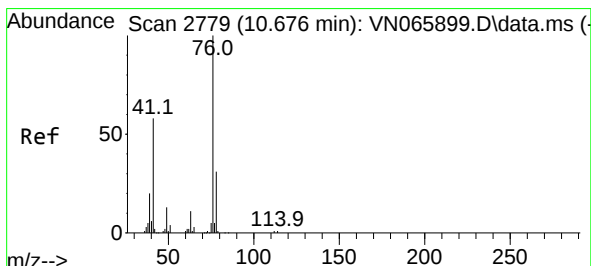
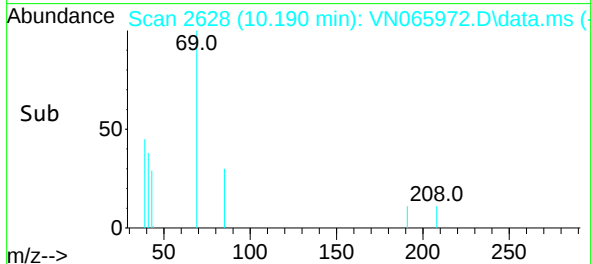
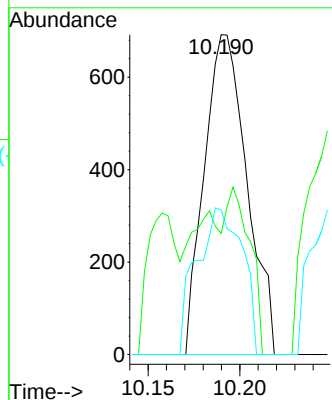
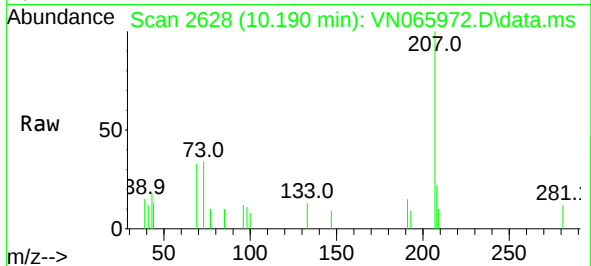




#56
Ethyl methacrylate
Concen: 0.38 ug/l
RT: 10.190 min Scan# 2628
Delta R.T. -0.209 min
Lab File: VN065972.D
Acq: 22 Feb 2021 20:05

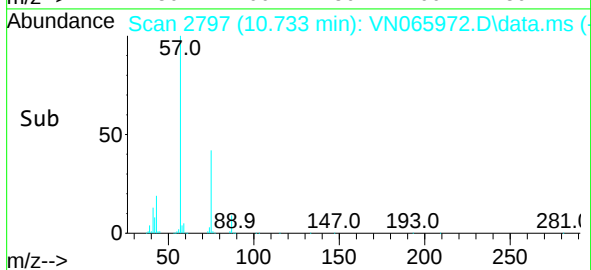
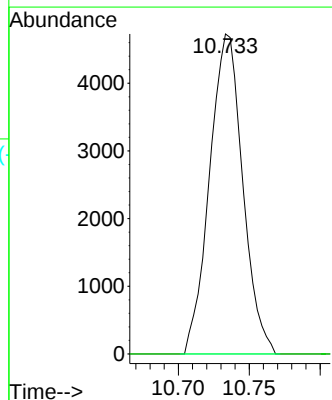
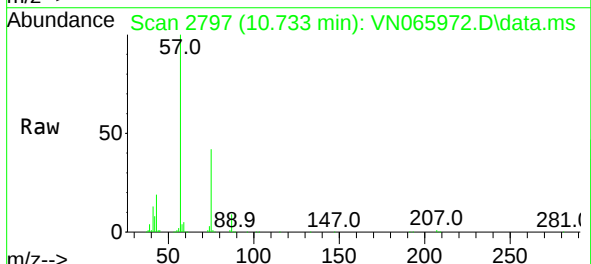
Instrument :
MSVOA_N
ClientSampleId :

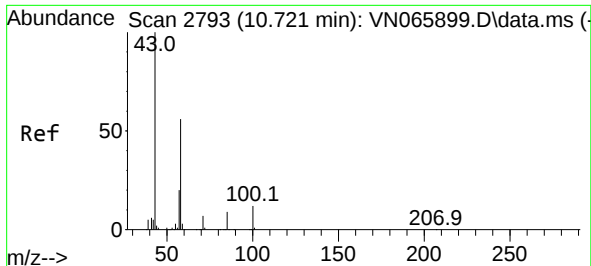
Tgt Ion: 69 Resp: 1119
Ion Ratio Lower Upper
69 100
41 29.7 49.6 74.4#
39 49.1 28.0 42.0#



#57
1,3-Dichloropropane
Concen: 2.23 ug/l
RT: 10.733 min Scan# 2797
Delta R.T. 0.057 min
Lab File: VN065972.D
Acq: 22 Feb 2021 20:05

Tgt Ion: 76 Resp: 7699
Ion Ratio Lower Upper
76 100
78 0.0 25.7 38.5#

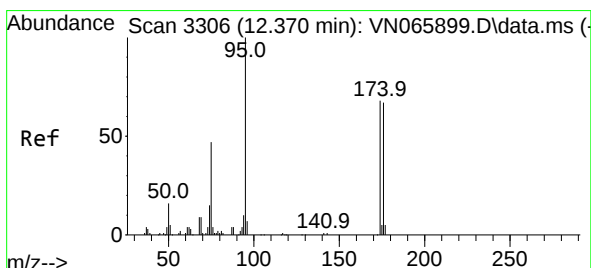
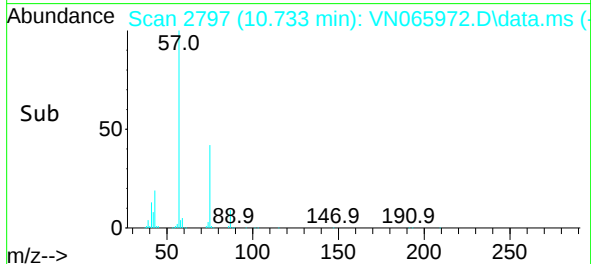
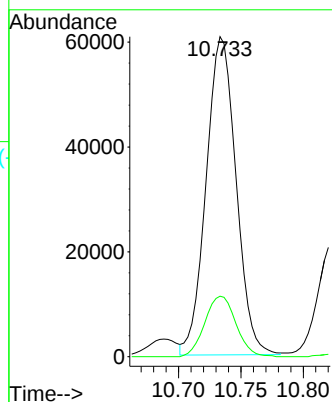
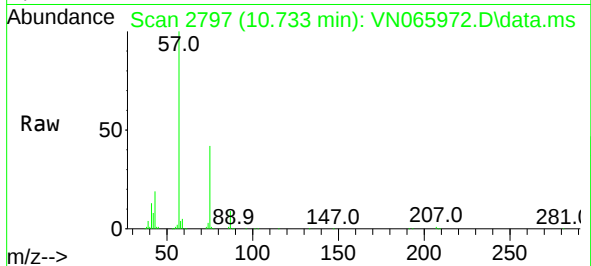




#59
2-Hexanone
Concen: 58.55 ug/l
RT: 10.733 min Scan# 2797
Delta R.T. 0.012 min
Lab File: VN065972.D
Acq: 22 Feb 2021 20:05

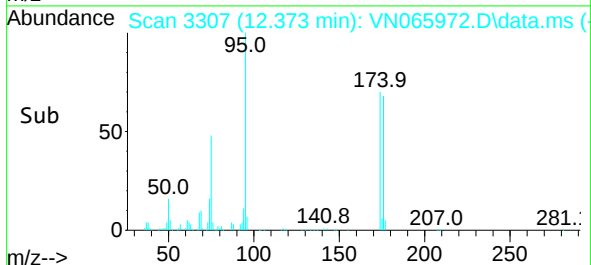
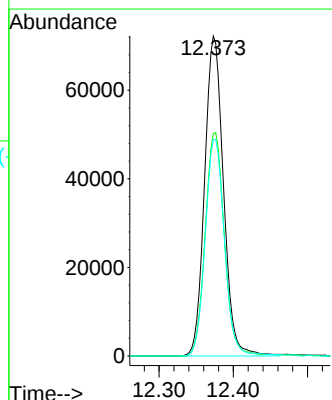
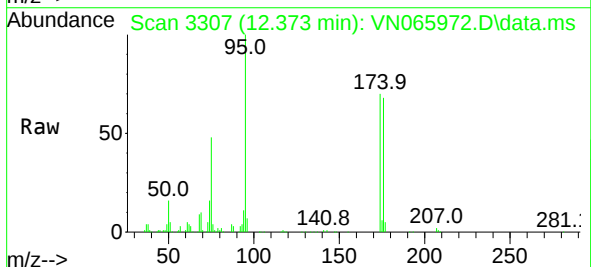
Instrument :
MSVOA_N
ClientSampled :

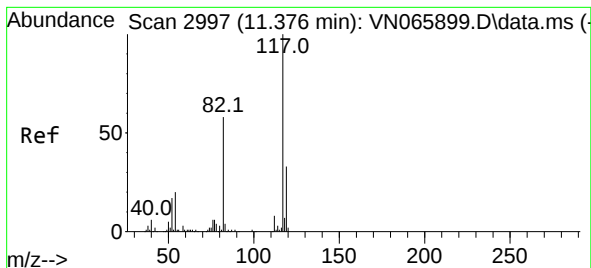
Tgt Ion: 43 Resp: 101498
Ion Ratio Lower Upper
43 100
58 19.8 28.1 84.3#



#62
4-Bromofluorobenzene
Concen: 47.50 ug/l
RT: 12.373 min Scan# 3307
Delta R.T. 0.003 min
Lab File: VN065972.D
Acq: 22 Feb 2021 20:05

Tgt Ion: 95 Resp: 127677
Ion Ratio Lower Upper
95 100
174 70.8 0.0 169.0
176 69.1 0.0 162.4

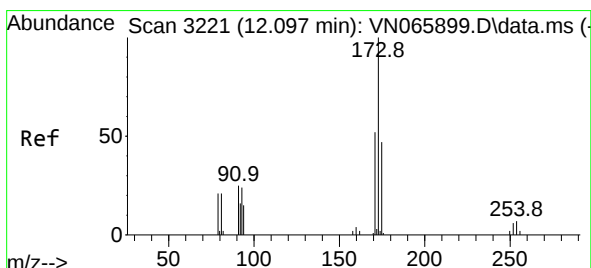
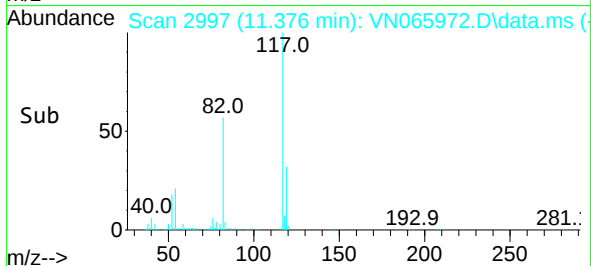
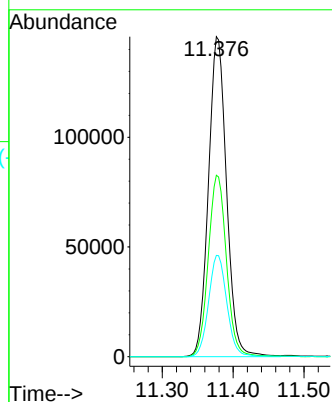
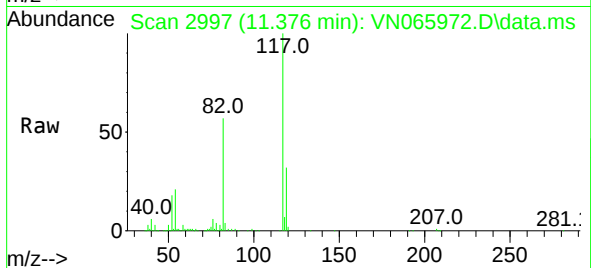




#63
Chlorobenzene-d5
Concen: 50.00 ug/l
RT: 11.376 min Scan# 2997
Delta R.T. 0.000 min
Lab File: VN065972.D
Acq: 22 Feb 2021 20:05

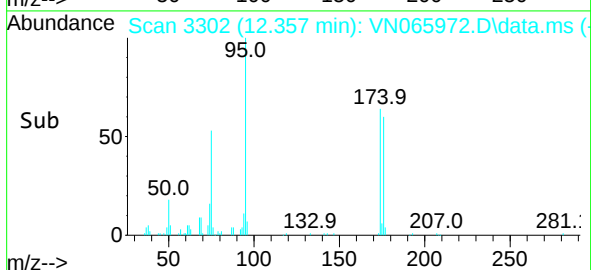
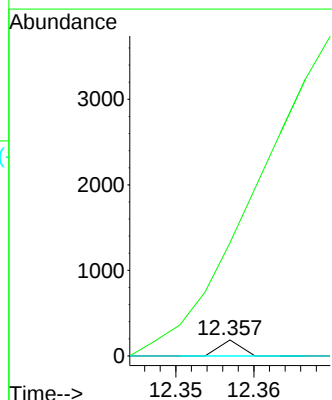
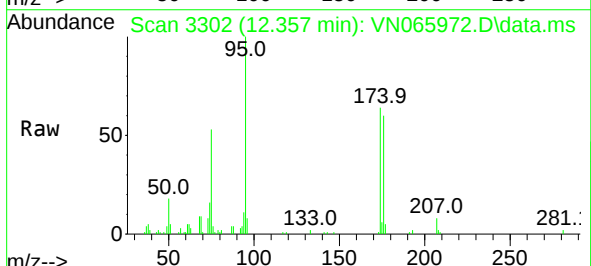
Instrument :
MSVOA_N
ClientSampled :

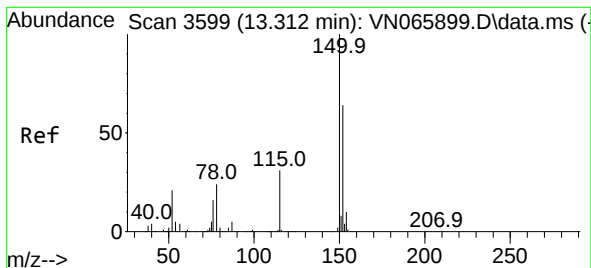
Tgt Ion:117 Resp: 258516
Ion Ratio Lower Upper
117 100
82 56.7 43.7 65.5
119 31.6 26.1 39.1



#71
Bromoform
Concen: 2.52 ug/l
RT: 12.357 min Scan# 3302
Delta R.T. 0.260 min
Lab File: VN065972.D
Acq: 22 Feb 2021 20:05

Tgt Ion:173 Resp: 36
Ion Ratio Lower Upper
173 100
175 15652.8 23.8 71.2#
254 0.0 0.0 0.0

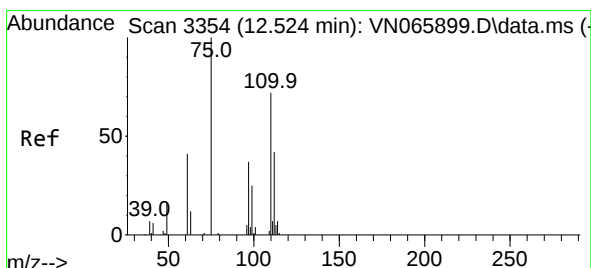
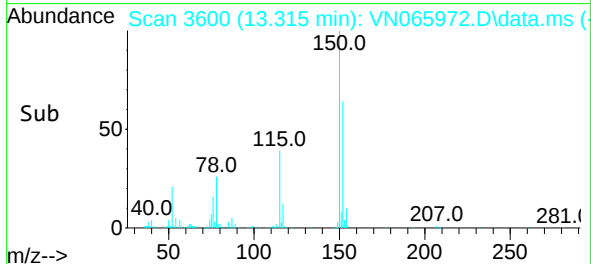
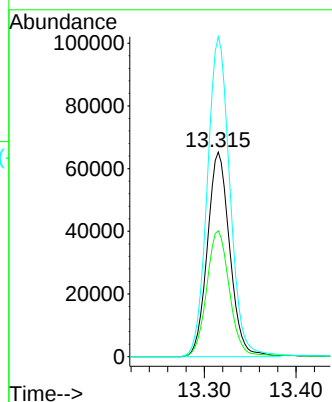
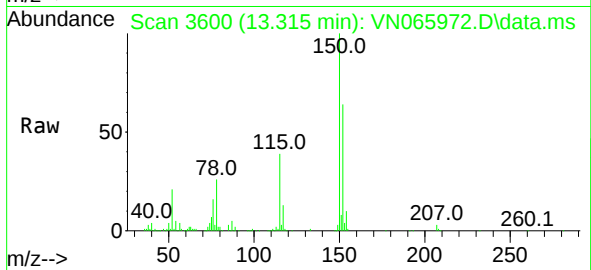




#72
 1,4-Dichlorobenzene-d4
 Concen: 50.00 ug/l
 RT: 13.315 min Scan# 3600
 Delta R.T. 0.003 min
 Lab File: VN065972.D
 Acq: 22 Feb 2021 20:05

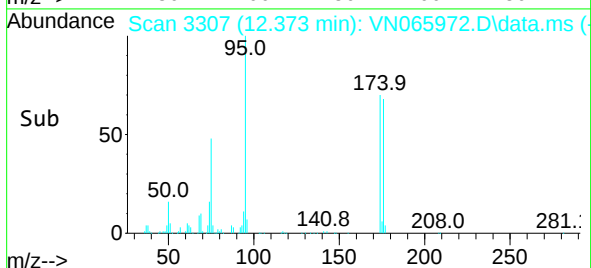
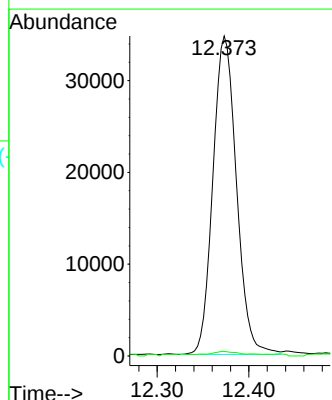
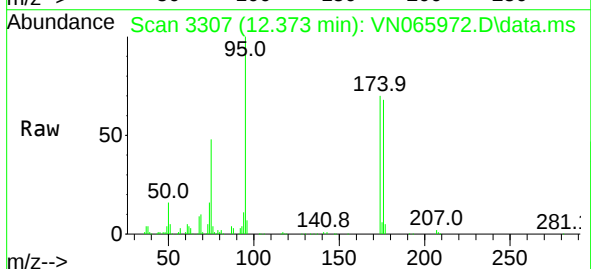
Instrument :
 MSVOA_N
 ClientSampled :

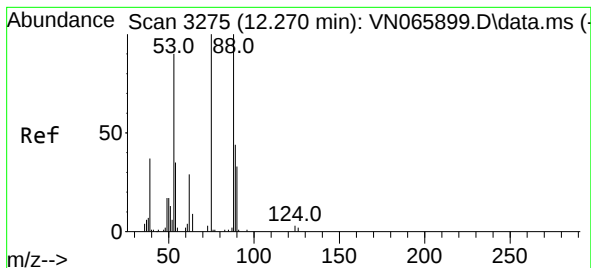
Tgt Ion:152 Resp: 110515
 Ion Ratio Lower Upper
 152 100
 115 63.1 28.5 85.6
 150 158.2 0.0 347.6



#76
 1,2,3-Trichloropropane
 Concen: 23.36 ug/l
 RT: 12.373 min Scan# 3307
 Delta R.T. -0.151 min
 Lab File: VN065972.D
 Acq: 22 Feb 2021 20:05

Tgt Ion: 75 Resp: 62017
 Ion Ratio Lower Upper
 75 100
 77 1.0 0.0 0.0#

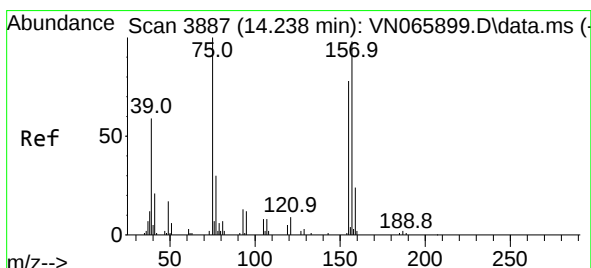
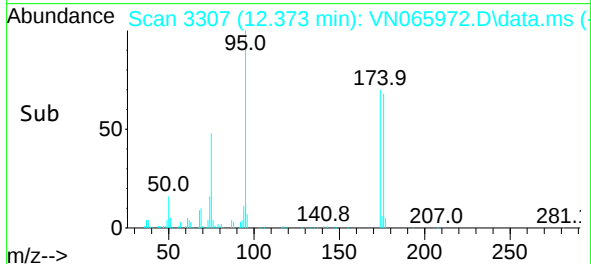
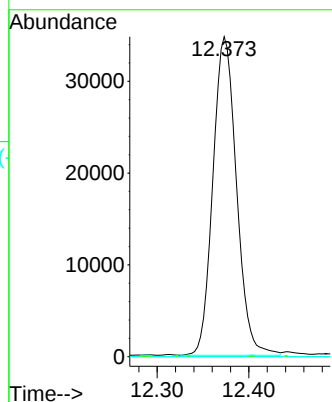
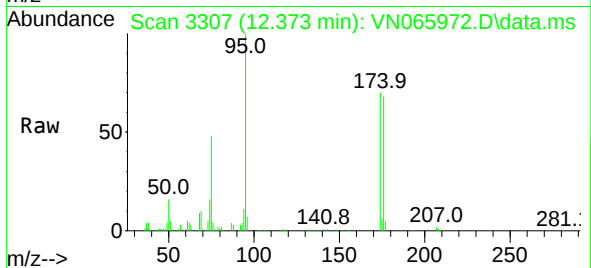




#81
 trans-1,4-Dichloro-2-butene
 Concen: 74.45 ug/l
 RT: 12.373 min Scan# 3307
 Delta R.T. 0.103 min
 Lab File: VN065972.D
 Acq: 22 Feb 2021 20:05

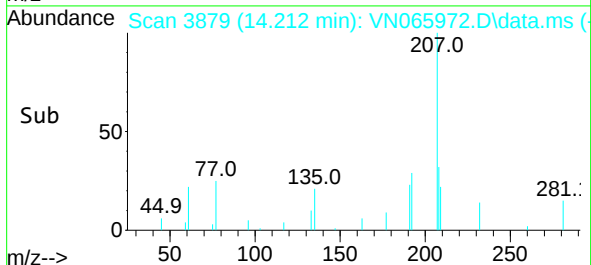
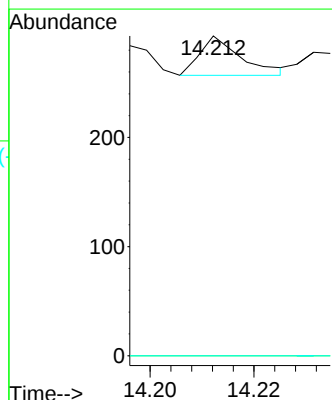
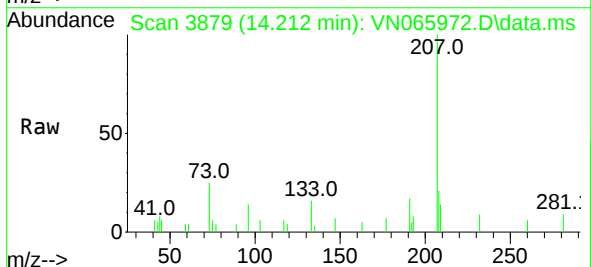
Instrument :
 MSVOA_N
 ClientSampleId :

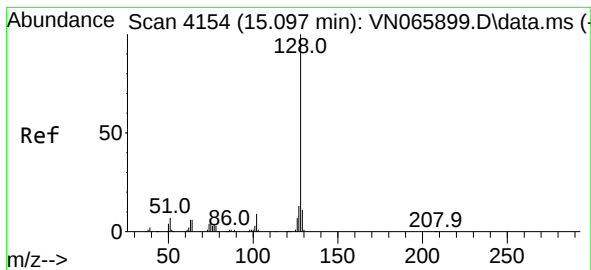
Tgt Ion: 75 Resp: 62017
 Ion Ratio Lower Upper
 75 100
 53 0.0 74.6 111.8#
 89 0.0 35.8 53.8#



#92
 1,2-Dibromo-3-Chloropropane
 Concen: 0.89 ug/l
 RT: 14.212 min Scan# 3879
 Delta R.T. -0.026 min
 Lab File: VN065972.D
 Acq: 22 Feb 2021 20:05

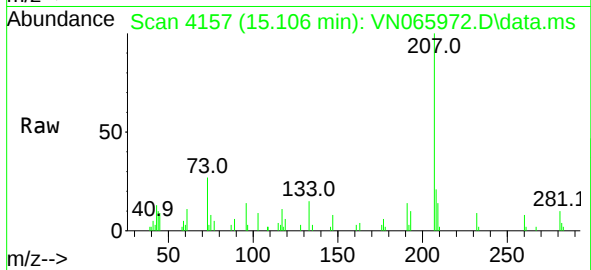
Tgt Ion: 75 Resp: 20
 Ion Ratio Lower Upper
 75 100
 155 0.0 44.1 132.4#
 157 0.0 56.0 168.2#





#95
Naphthalene
Concen: 3.09 ug/l
RT: 15.106 min Scan# 4157
Delta R.T. 0.009 min
Lab File: VN065972.D
Acq: 22 Feb 2021 20:05

Instrument :
MSVOA_N
ClientSampleId :



Tgt Ion:128 Resp: 200
Ion Ratio Lower Upper
128 100
127 0.0 10.2 15.2#
129 0.0 8.6 13.0#

