

Data Path : Z:\voasrv\HPCHEM1\MSVOA_N\Data\VN022221\
 Data File : VN065969.D
 Acq On : 22 Feb 2021 18:54
 Operator : JC/MD
 Sample : M1452-16
 Misc : 5.00mL/MSVOA_N/WATER
 ALS Vial : 22 Sample Multiplier: 1

Instrument :
 MSVOA_N
 ClientSampleId :
 TP-4

Quant Time: Feb 23 00:12:37 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)

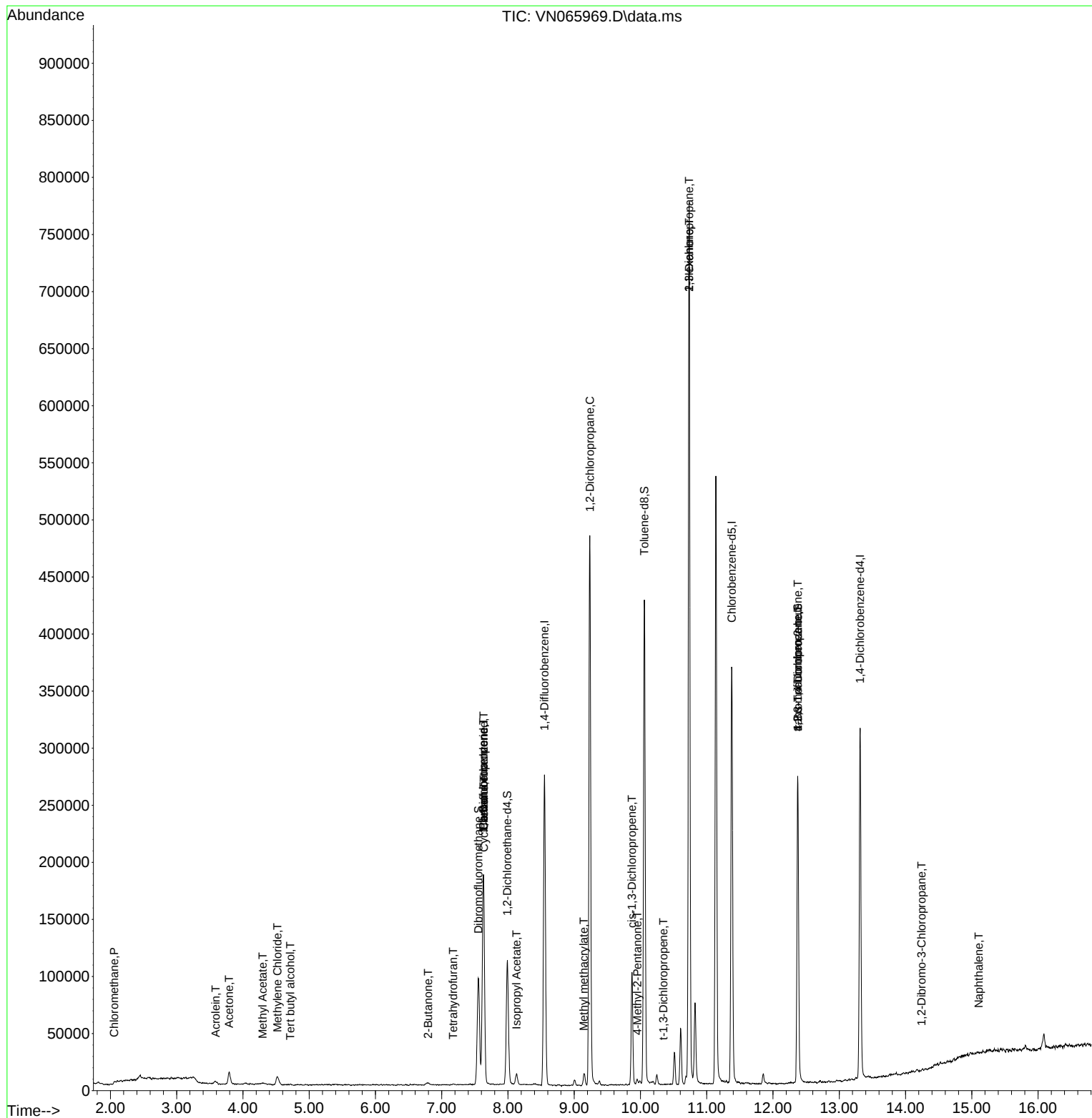
Internal Standards						
1) Pentafluorobenzene	7.631	168	151523	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	8.550	114	250960	50.00	ug/l	0.00
63) Chlorobenzene-d5	11.376	117	225089	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.315	152	87671	50.00	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	7.991	65	97317	45.93	ug/l	0.00
Spiked Amount 50.000	Range 61 - 141		Recovery =	91.86%		
35) Dibromofluoromethane	7.553	113	73755	47.49	ug/l	0.00
Spiked Amount 50.000	Range 69 - 133		Recovery =	94.98%		
50) Toluene-d8	10.058	98	303259	47.57	ug/l	0.00
Spiked Amount 50.000	Range 65 - 126		Recovery =	95.14%		
62) 4-Bromofluorobenzene	12.373	95	107544	44.93	ug/l	0.00
Spiked Amount 50.000	Range 58 - 135		Recovery =	89.86%		
Target Compounds						Qvalue
3) Chloromethane	2.055	50	1422	0.57	ug/l	94
11) Tert butyl alcohol	4.714	59	195	0.66	ug/l #	73
13) Acrolein	3.589	56	2583	9.58	ug/l	85
16) Acetone	3.791	43	17497	24.84	ug/l	96
18) Methyl Acetate	4.296	43	1644	0.94	ug/l #	72
20) Methylene Chloride	4.521	84	5974	3.04	ug/l	93
25) 2-Butanone	6.795	43	1081	1.03	ug/l	91
29) Tetrahydrofuran	7.174	42	535	0.74	ug/l #	32
31) Cyclohexane	7.637	56	2994	0.95	ug/l #	14
36) 1,1-Dichloropropene	7.627	75	12209	4.93	ug/l #	46
38) Carbon Tetrachloride	7.631	117	15054	6.55	ug/l #	18
43) Isopropyl Acetate	8.129	43	10935	3.07	ug/l #	89
45) 1,2-Dichloropropane	9.238	63	485	0.25	ug/l #	44
48) Methyl methacrylate	9.142	41	2251	1.25	ug/l #	10
51) 4-Methyl-2-Pentanone	9.952	43	2956	1.36	ug/l	94
53) t-1,3-Dichloropropene	10.344	75	130	2.02	ug/l #	42
54) cis-1,3-Dichloropropene	9.872	75	20039	6.70	ug/l #	59
57) 1,3-Dichloropropane	10.733	76	8671	2.82	ug/l #	43
59) 2-Hexanone	10.733	43	111061	71.95	ug/l #	50
76) 1,2,3-Trichloropropane	12.373	75	52003	24.69	ug/l #	100
81) trans-1,4-Dichloro-2-b...	12.373	75	52003	78.69	ug/l #	12
92) 1,2-Dibromo-3-Chloropr...	14.241	75	121	1.13	ug/l #	1
95) Naphthalene	15.106	128	558	3.16	ug/l #	69

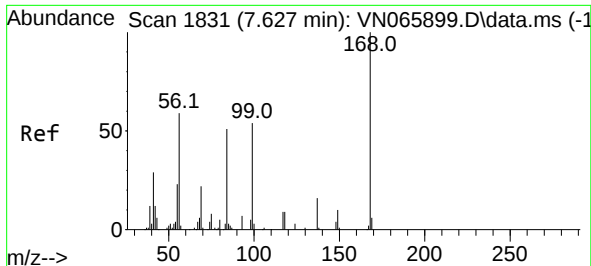
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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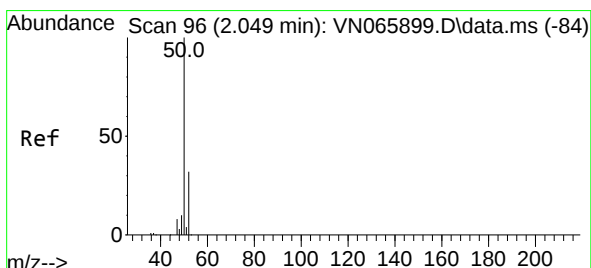
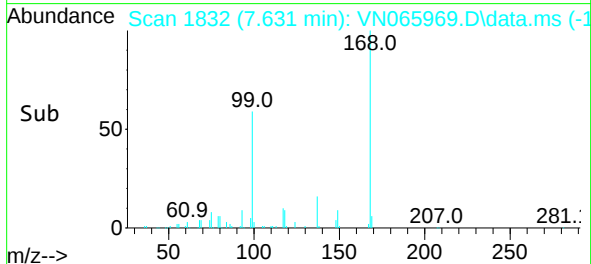
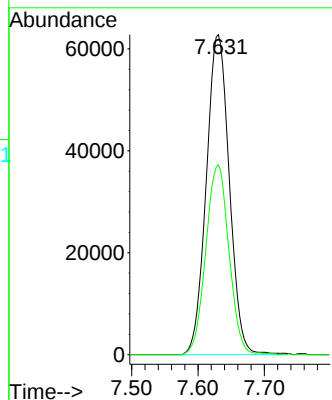
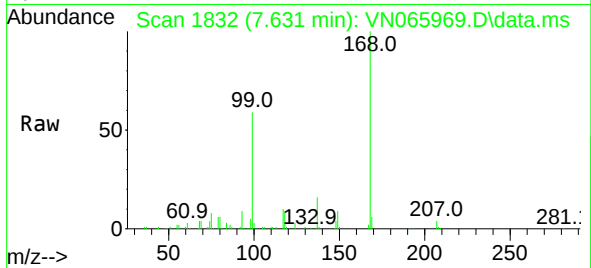




#1
Pentafluorobenzene
Concen: 50.00 ug/l
RT: 7.631 min Scan# 1832
Delta R.T. 0.004 min
Lab File: VN065969.D
Acq: 22 Feb 2021 18:54

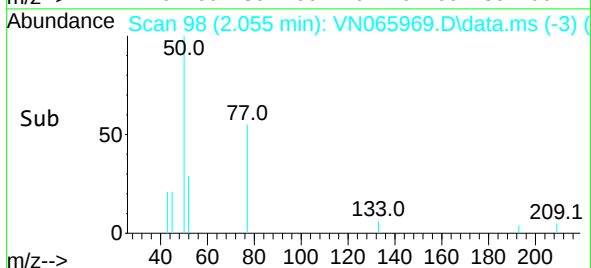
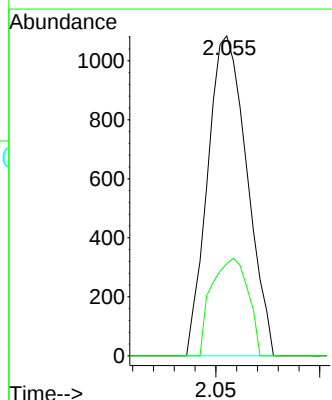
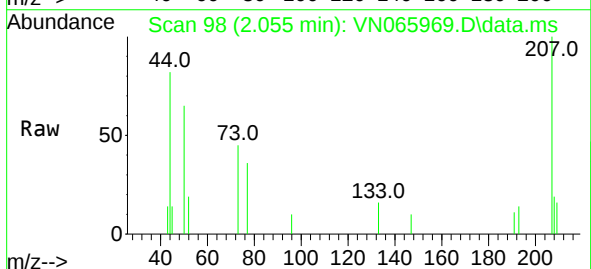
Instrument :
MSVOA_N
ClientSampled :
TP-4

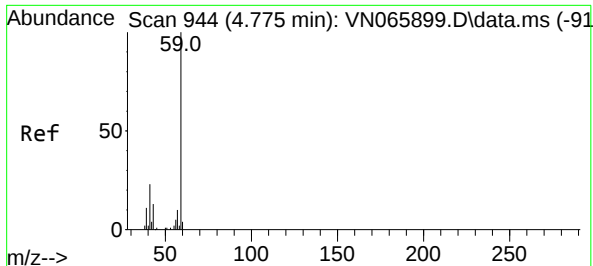
Tgt Ion:168 Resp: 151523
Ion Ratio Lower Upper
168 100
99 59.3 42.6 63.8



#3
Chloromethane
Concen: 0.57 ug/l
RT: 2.055 min Scan# 98
Delta R.T. 0.006 min
Lab File: VN065969.D
Acq: 22 Feb 2021 18:54

Tgt Ion: 50 Resp: 1422
Ion Ratio Lower Upper
50 100
52 28.8 25.8 38.8



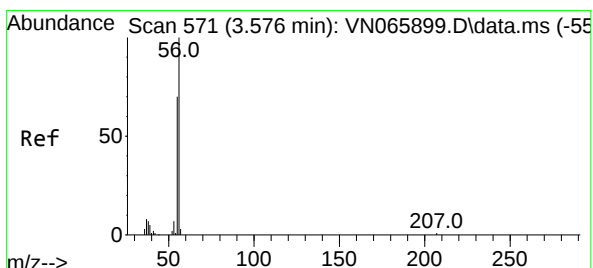
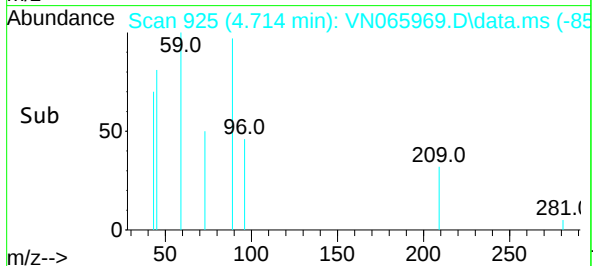
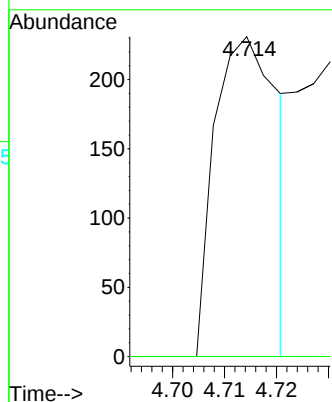
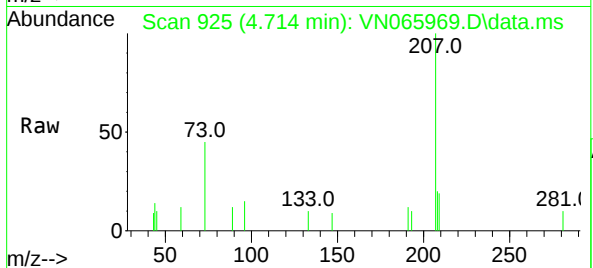


#11

Tert butyl alcohol
Concen: 0.66 ug/l
RT: 4.714 min Scan# 925
Delta R.T. -0.061 min
Lab File: VN065969.D
Acq: 22 Feb 2021 18:54

Instrument :
MSVOA_N
ClientSampled :
TP-4

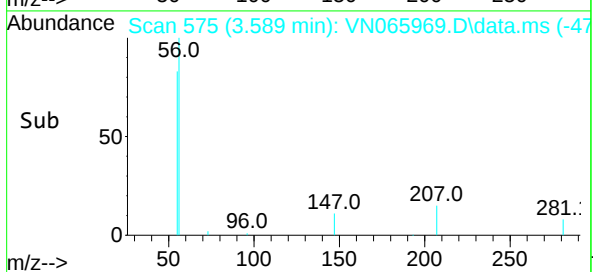
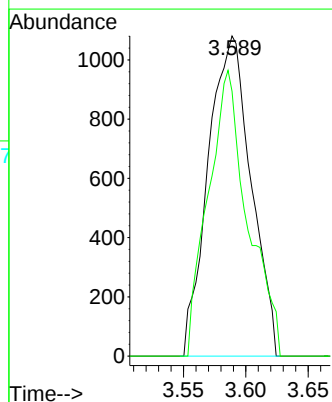
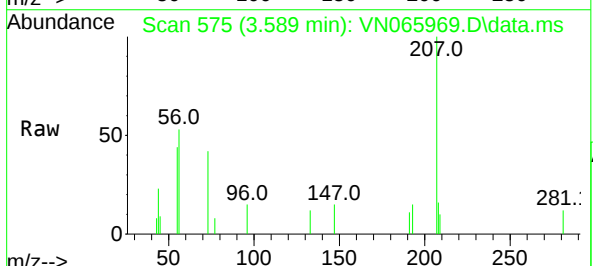
Tgt Ion: 59 Resp: 195
Ion Ratio Lower Upper
59 100
57 0.0 8.0 12.0#

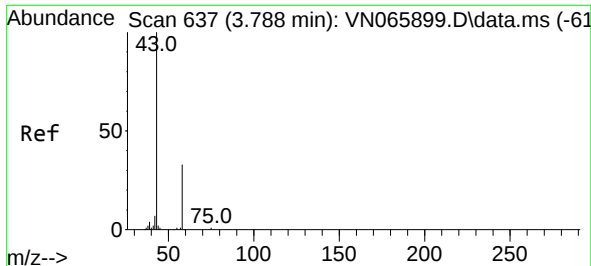


#13

Acrolein
Concen: 9.58 ug/l
RT: 3.589 min Scan# 575
Delta R.T. 0.013 min
Lab File: VN065969.D
Acq: 22 Feb 2021 18:54

Tgt Ion: 56 Resp: 2583
Ion Ratio Lower Upper
56 100
55 82.2 56.0 84.0

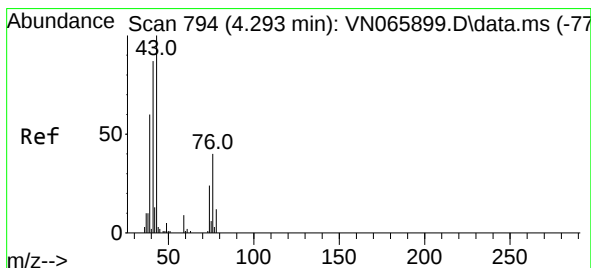
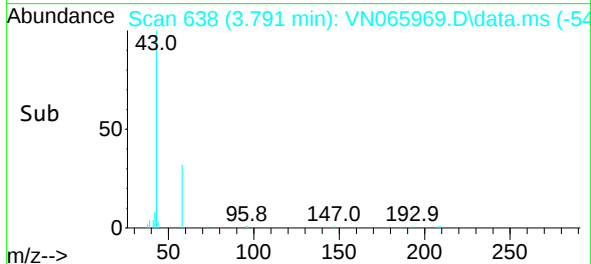
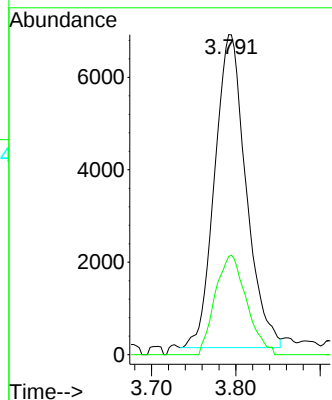
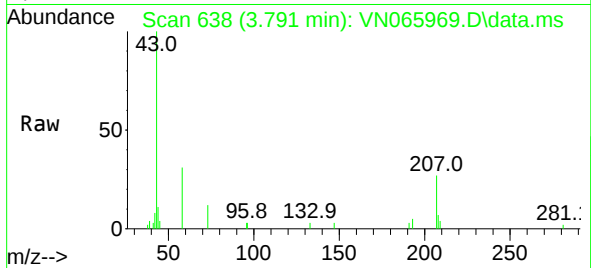




#16
Acetone
Concen: 24.84 ug/l
RT: 3.791 min Scan# 638
Delta R.T. 0.003 min
Lab File: VN065969.D
Acq: 22 Feb 2021 18:54

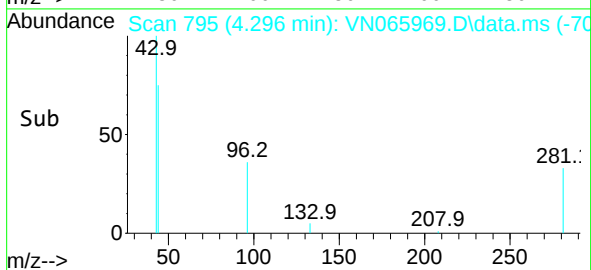
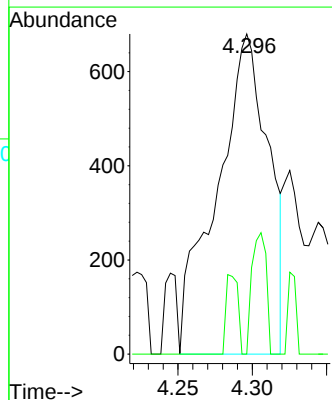
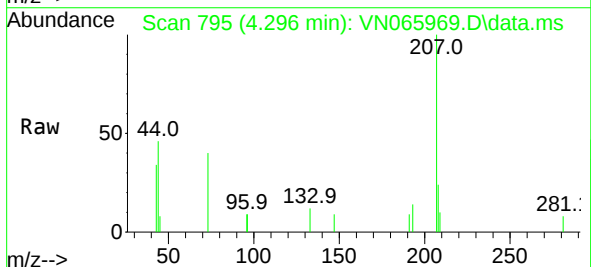
Instrument :
MSVOA_N
ClientSampled :
TP-4

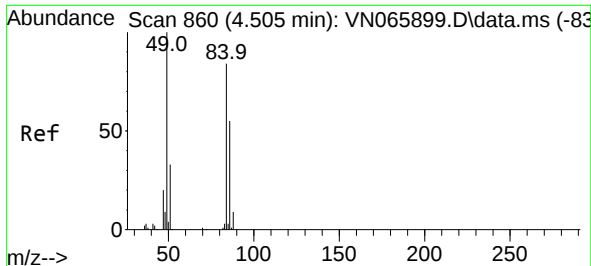
Tgt Ion: 43 Resp: 17497
Ion Ratio Lower Upper
43 100
58 31.4 27.0 40.6



#18
Methyl Acetate
Concen: 0.94 ug/l
RT: 4.296 min Scan# 795
Delta R.T. 0.003 min
Lab File: VN065969.D
Acq: 22 Feb 2021 18:54

Tgt Ion: 43 Resp: 1644
Ion Ratio Lower Upper
43 100
74 10.5 19.5 29.3#

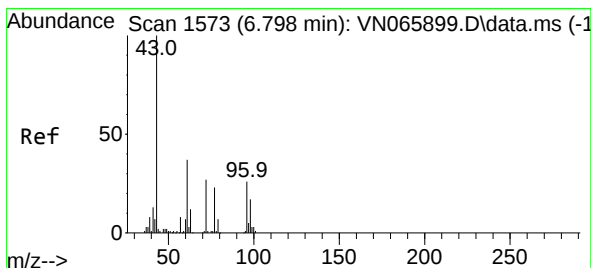
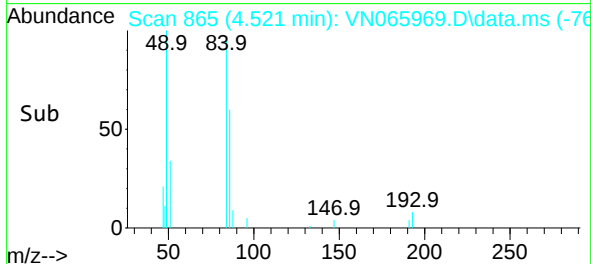
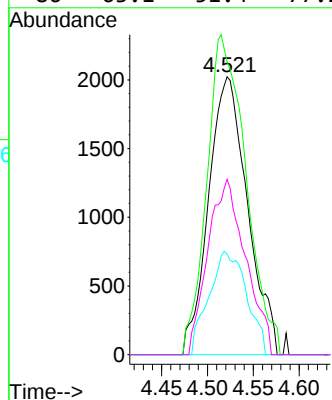
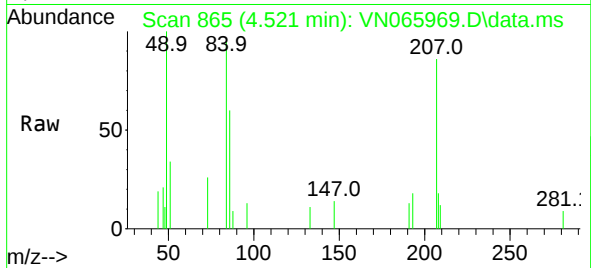




#20
Methylene Chloride
Concen: 3.04 ug/l
RT: 4.521 min Scan# 865
Delta R.T. 0.016 min
Lab File: VN065969.D
Acq: 22 Feb 2021 18:54

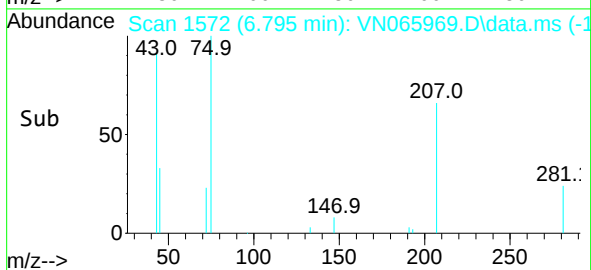
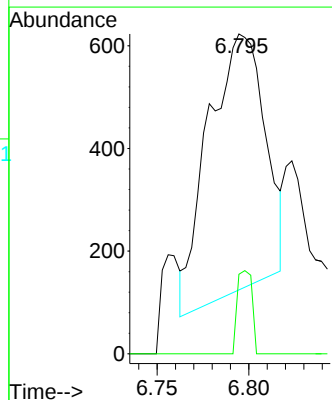
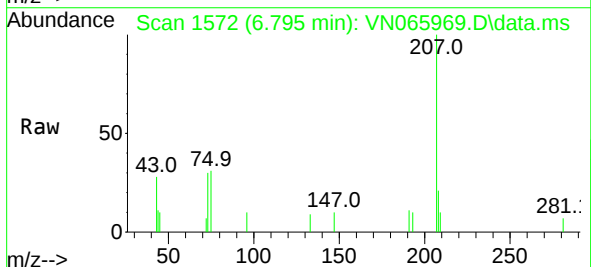
Instrument :
MSVOA_N
ClientSampled :
TP-4

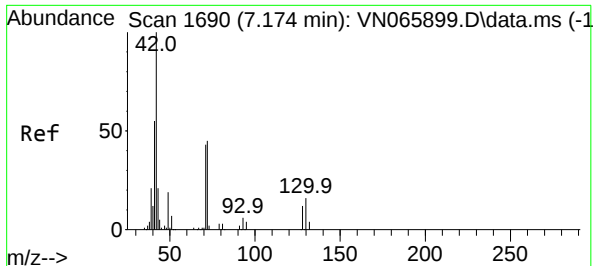
Tgt Ion:	84	Resp:	5974
Ion	Ratio	Lower	Upper
84	100		
49	105.4	94.6	141.8
51	36.2	29.9	44.9
86	63.1	51.4	77.2



#25
2-Butanone
Concen: 1.03 ug/l
RT: 6.795 min Scan# 1572
Delta R.T. -0.003 min
Lab File: VN065969.D
Acq: 22 Feb 2021 18:54

Tgt Ion:	43	Resp:	1081
Ion	Ratio	Lower	Upper
43	100		
72	33.5	23.1	34.7





#29

Tetrahydrofuran

Concen: 0.74 ug/l

RT: 7.174 min Scan# 1690

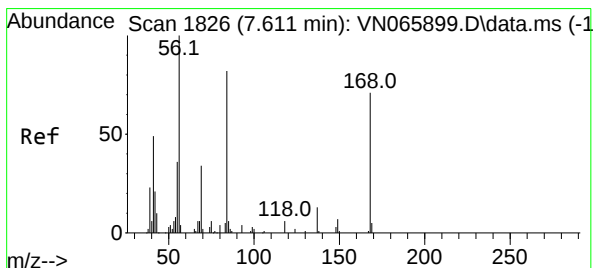
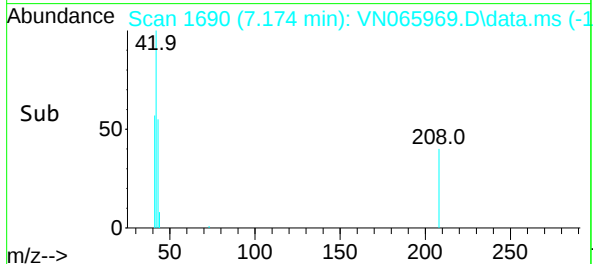
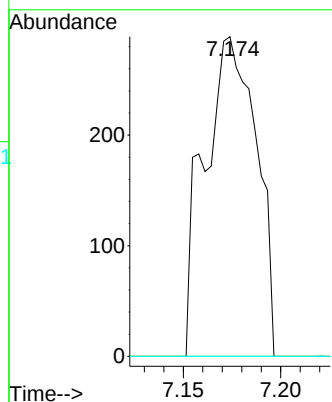
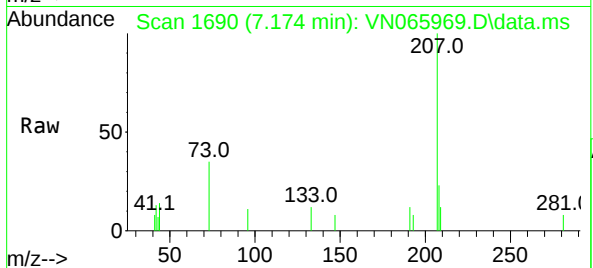
Delta R.T. -0.000 min

Lab File: VN065969.D

Acq: 22 Feb 2021 18:54

Tgt Ion:	42	Resp:	535
Ion	Ratio	Lower	Upper
42	100		
72	0.0	36.6	55.0#
71	0.0	34.3	51.5#

Instrument :
MSVOA_N
ClientSampled :
TP-4



#31

Cyclohexane

Concen: 0.95 ug/l

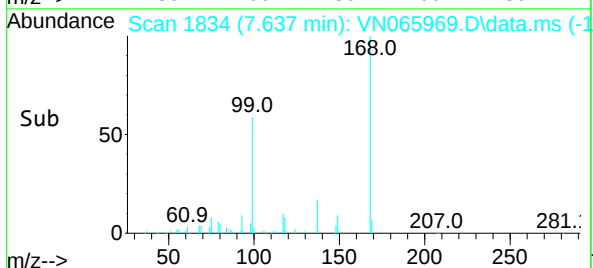
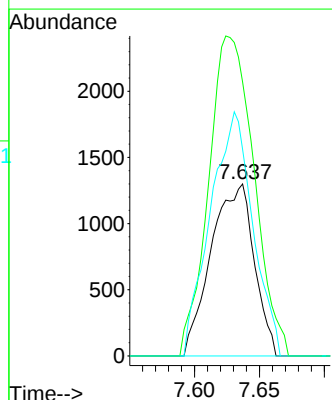
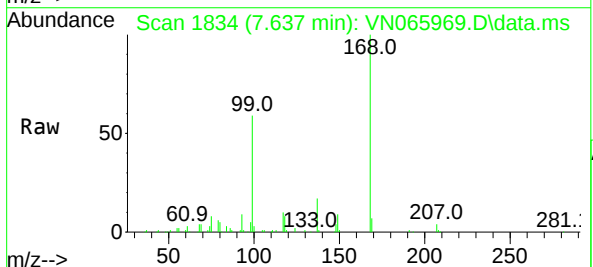
RT: 7.637 min Scan# 1834

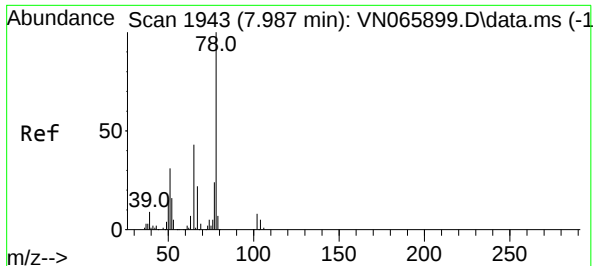
Delta R.T. 0.026 min

Lab File: VN065969.D

Acq: 22 Feb 2021 18:54

Tgt Ion:	56	Resp:	2994
Ion	Ratio	Lower	Upper
56	100		
69	159.2	26.6	39.8#
84	120.1	70.4	105.6#

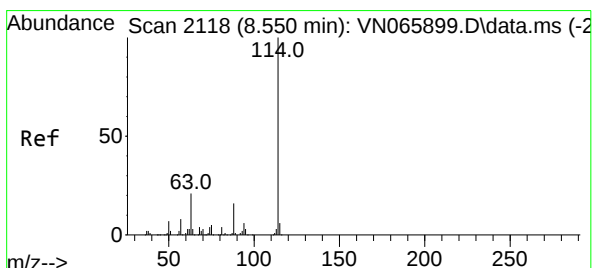
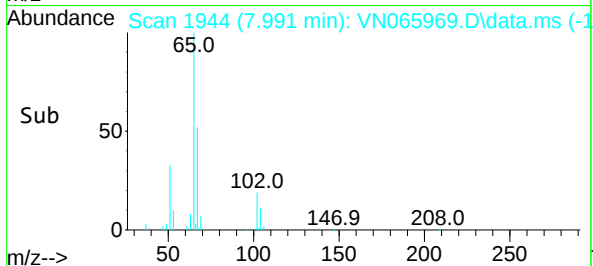
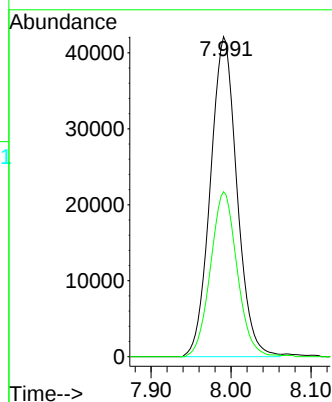
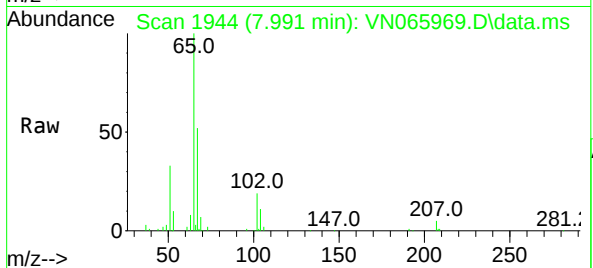




#33
1,2-Dichloroethane-d4
Concen: 45.93 ug/l
RT: 7.991 min Scan# 1944
Delta R.T. 0.004 min
Lab File: VN065969.D
Acq: 22 Feb 2021 18:54

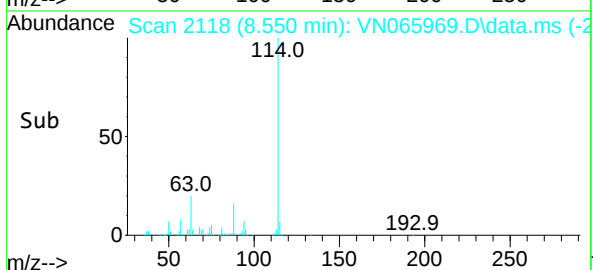
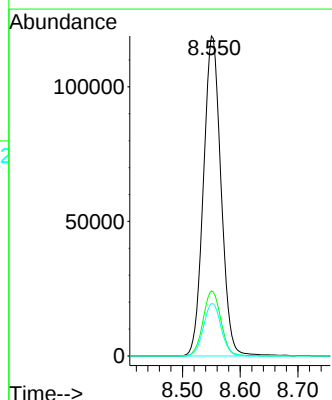
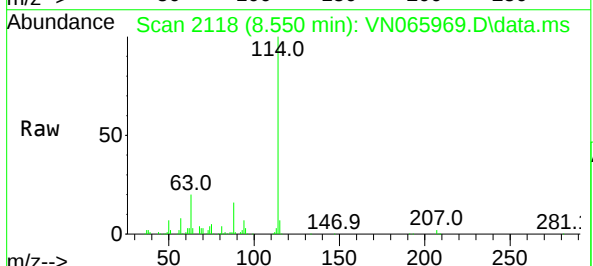
Instrument :
MSVOA_N
ClientSampled :
TP-4

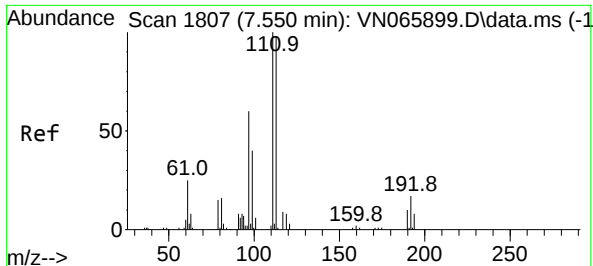
Tgt Ion: 65 Resp: 97317
Ion Ratio Lower Upper
65 100
67 51.6 0.0 107.2



#34
1,4-Difluorobenzene
Concen: 50.00 ug/l
RT: 8.550 min Scan# 2118
Delta R.T. 0.000 min
Lab File: VN065969.D
Acq: 22 Feb 2021 18:54

Tgt Ion: 114 Resp: 250960
Ion Ratio Lower Upper
114 100
63 20.4 0.0 38.6
88 16.3 0.0 30.6





#35

Dibromofluoromethane

Concen: 47.49 ug/l

RT: 7.553 min Scan# 1808

Delta R.T. 0.003 min

Lab File: VN065969.D

Acq: 22 Feb 2021 18:54

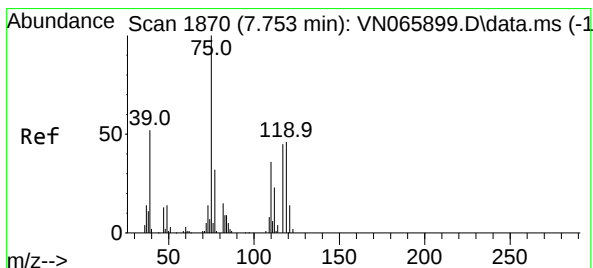
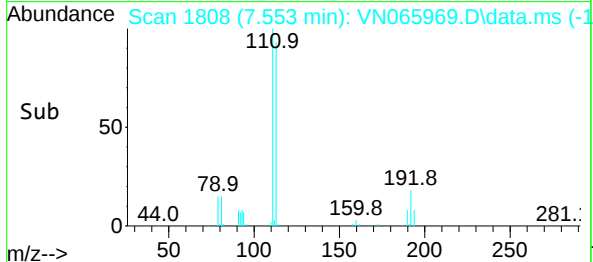
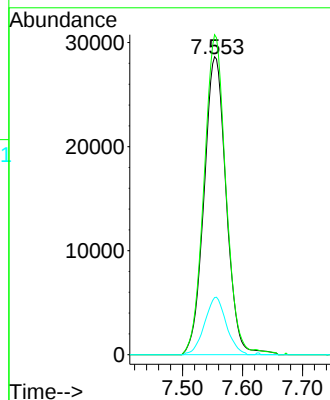
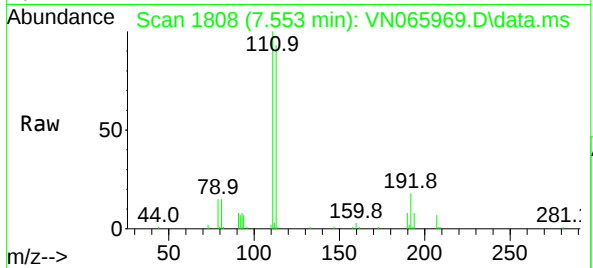
Tgt Ion:113 Resp: 73755

Ion Ratio Lower Upper

113 100

111 105.0 82.2 123.2

192 18.9 15.4 23.0



#36

1,1-Dichloropropene

Concen: 4.93 ug/l

RT: 7.627 min Scan# 1831

Delta R.T. -0.126 min

Lab File: VN065969.D

Acq: 22 Feb 2021 18:54

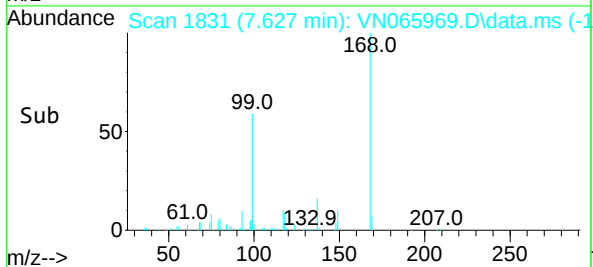
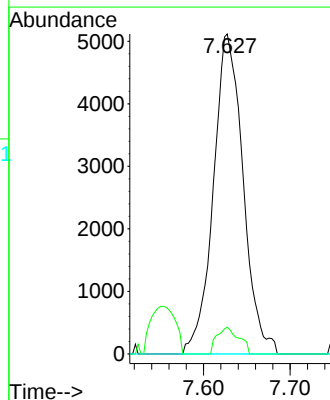
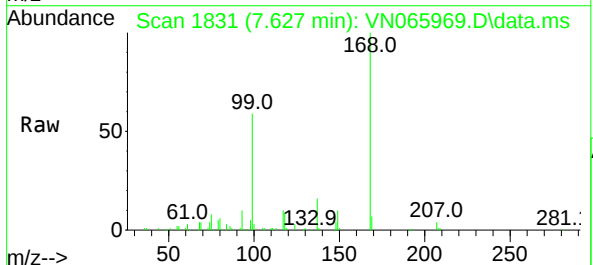
Tgt Ion: 75 Resp: 12209

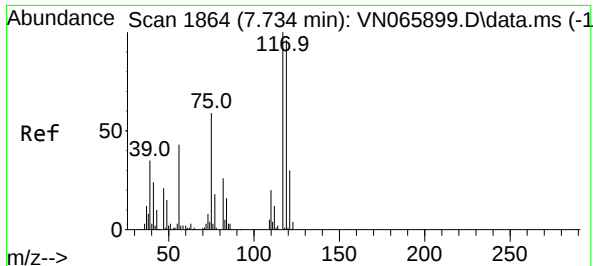
Ion Ratio Lower Upper

75 100

110 6.2 18.2 54.6#

77 0.0 24.9 37.3#

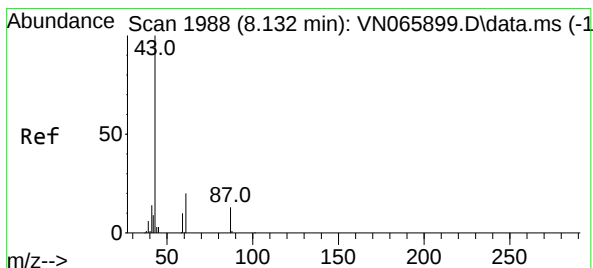
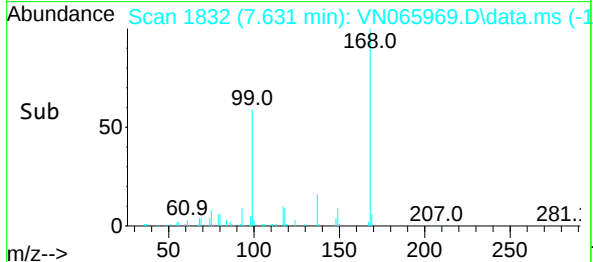
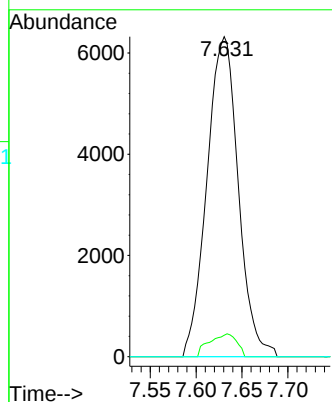
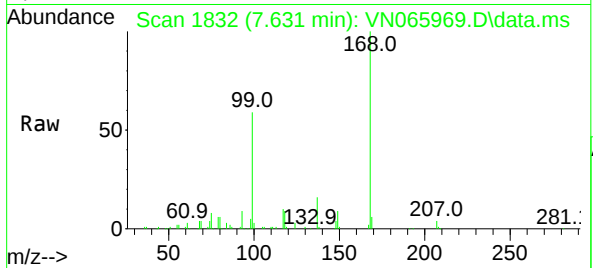




#38
Carbon Tetrachloride
Concen: 6.55 ug/l
RT: 7.631 min Scan# 1832
Delta R.T. -0.103 min
Lab File: VN065969.D
Acq: 22 Feb 2021 18:54

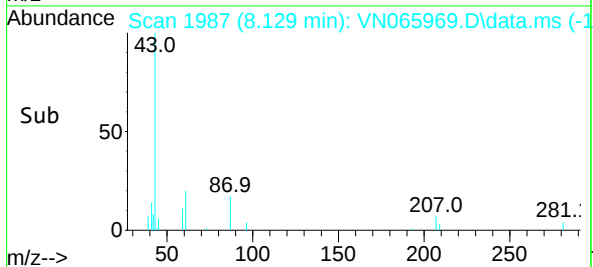
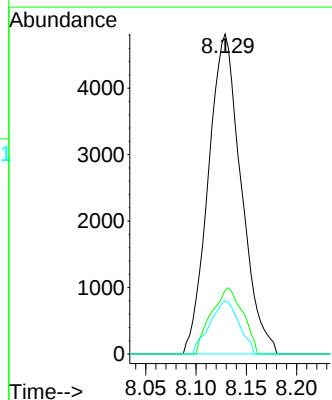
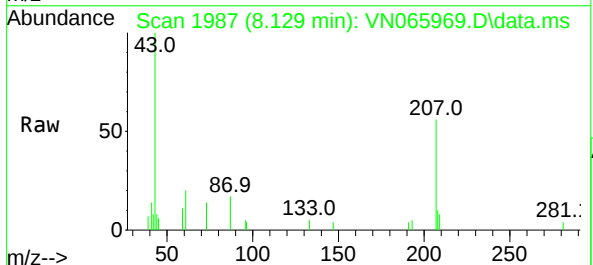
Instrument :
MSVOA_N
ClientSampled :
TP-4

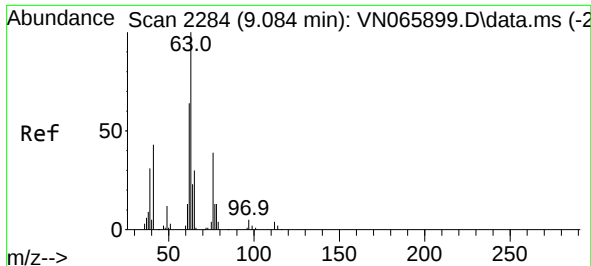
Tgt Ion:117 Resp: 15054
Ion Ratio Lower Upper
117 100
119 6.7 76.0 114.0#
121 0.0 24.5 36.7#



#43
Isopropyl Acetate
Concen: 3.07 ug/l
RT: 8.129 min Scan# 1987
Delta R.T. -0.003 min
Lab File: VN065969.D
Acq: 22 Feb 2021 18:54

Tgt Ion: 43 Resp: 10935
Ion Ratio Lower Upper
43 100
61 19.8 22.5 33.7#
87 14.8 11.1 16.7

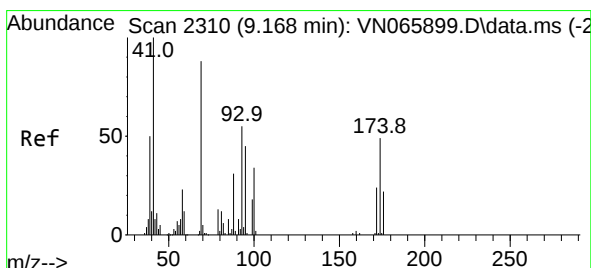
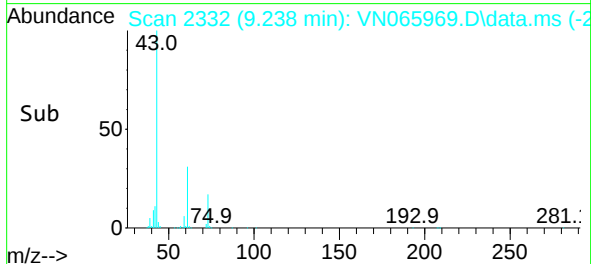
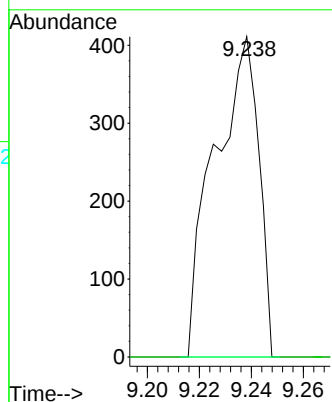
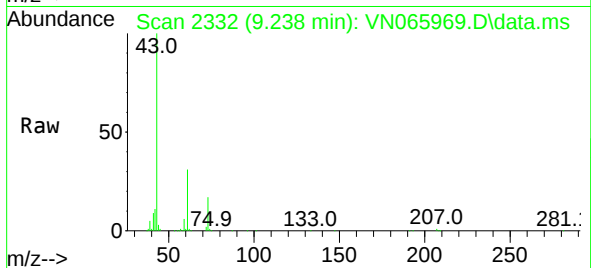




#45
1,2-Dichloropropane
Concen: 0.25 ug/l
RT: 9.238 min Scan# 2332
Delta R.T. 0.154 min
Lab File: VN065969.D
Acq: 22 Feb 2021 18:54

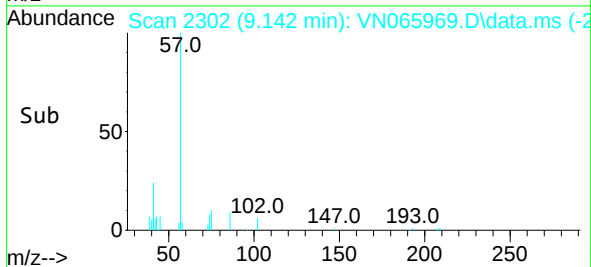
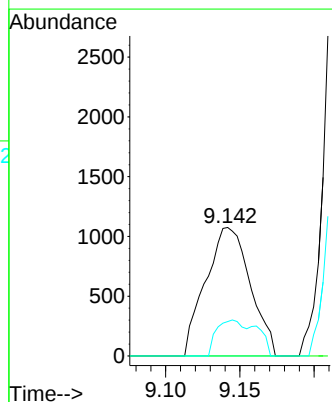
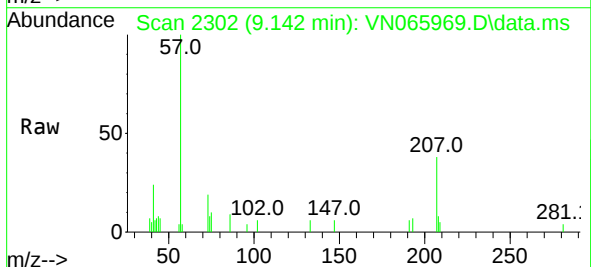
Instrument :
MSVOA_N
ClientSampled :
TP-4

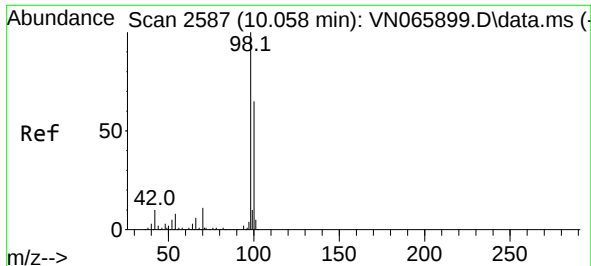
Tgt Ion: 63 Resp: 485
Ion Ratio Lower Upper
63 100
65 0.0 24.9 37.3#



#48
Methyl methacrylate
Concen: 1.25 ug/l
RT: 9.142 min Scan# 2302
Delta R.T. -0.026 min
Lab File: VN065969.D
Acq: 22 Feb 2021 18:54

Tgt Ion: 41 Resp: 2251
Ion Ratio Lower Upper
41 100
69 0.0 75.9 113.9#
39 0.0 46.6 69.8#

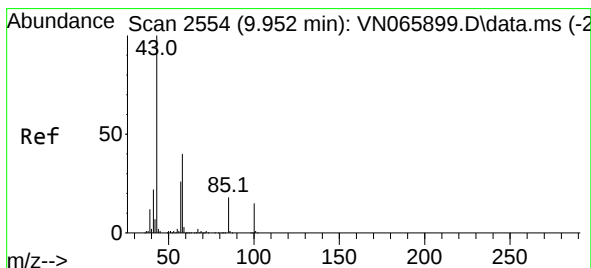
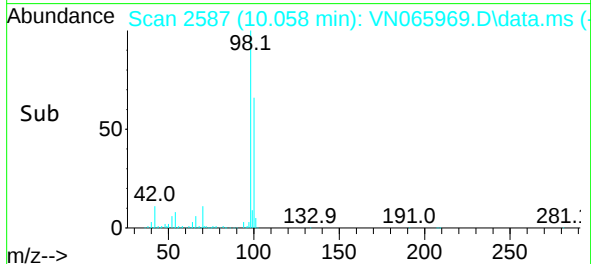
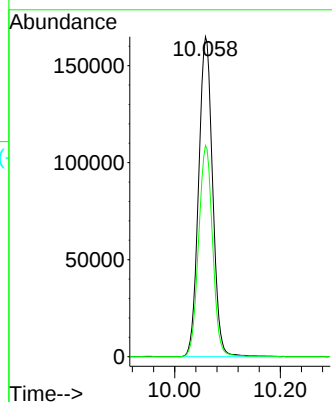
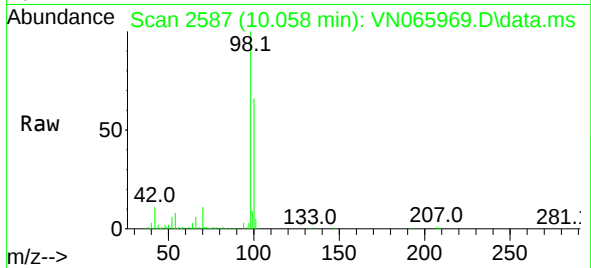




#50
Toluene-d8
Concen: 47.57 ug/l
RT: 10.058 min Scan# 2587
Delta R.T. 0.000 min
Lab File: VN065969.D
Acq: 22 Feb 2021 18:54

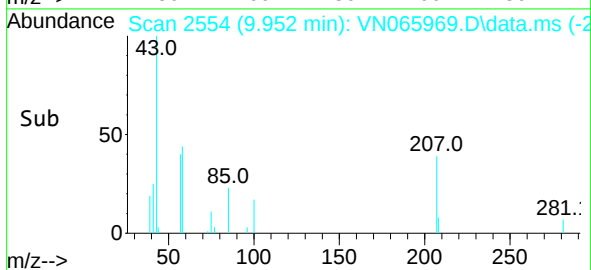
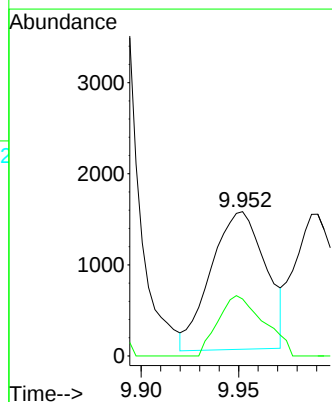
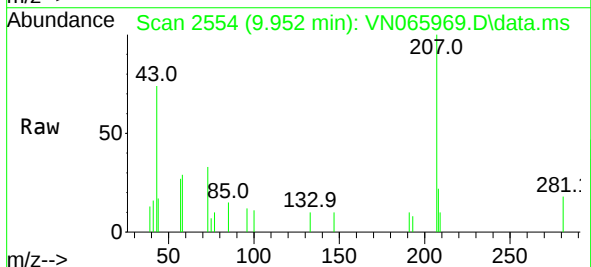
Instrument :
MSVOA_N
ClientSampled :
TP-4

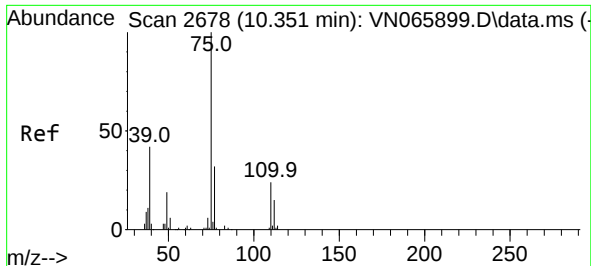
Tgt Ion: 98 Resp: 303259
Ion Ratio Lower Upper
98 100
100 65.8 50.5 75.7



#51
4-Methyl-2-Pentanone
Concen: 1.36 ug/l
RT: 9.952 min Scan# 2554
Delta R.T. 0.000 min
Lab File: VN065969.D
Acq: 22 Feb 2021 18:54

Tgt Ion: 43 Resp: 2956
Ion Ratio Lower Upper
43 100
58 36.7 32.5 48.7

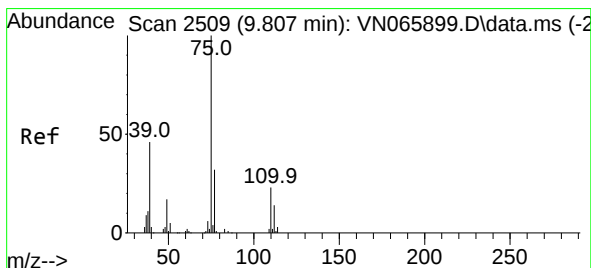
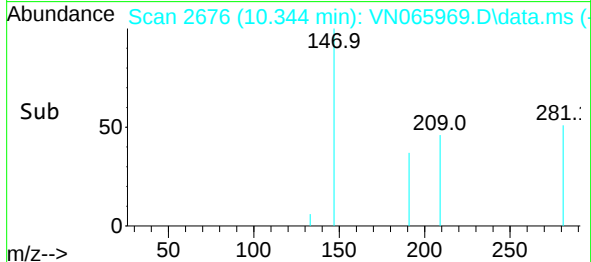
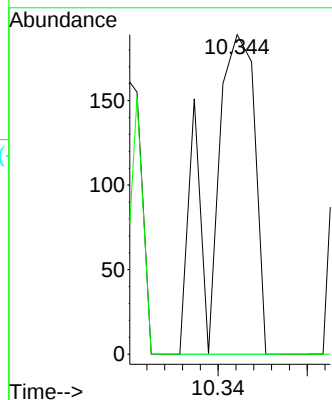
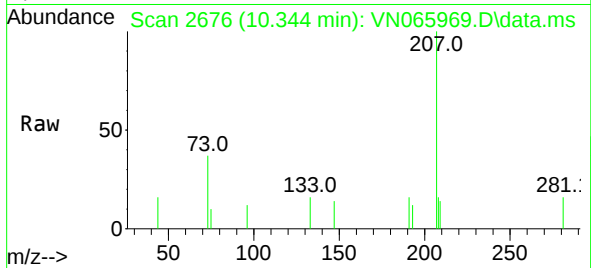




#53
t-1,3-Dichloropropene
Concen: 2.02 ug/l
RT: 10.344 min Scan# 2676
Delta R.T. -0.007 min
Lab File: VN065969.D
Acq: 22 Feb 2021 18:54

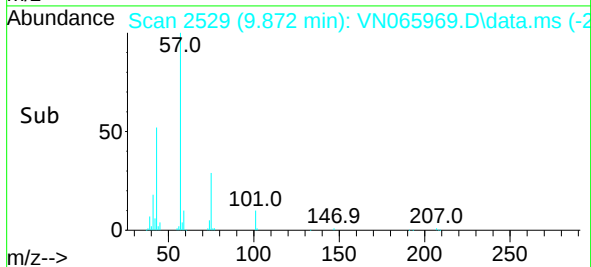
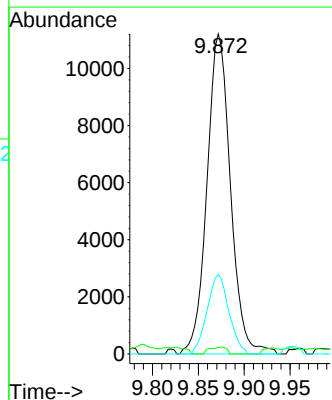
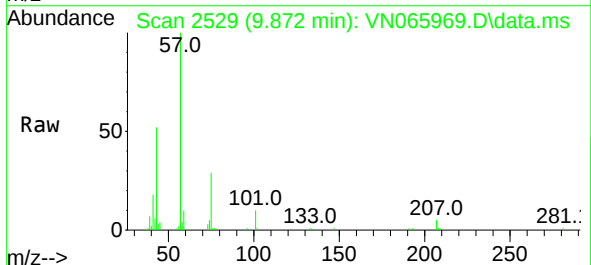
Instrument :
MSVOA_N
ClientSampled :
TP-4

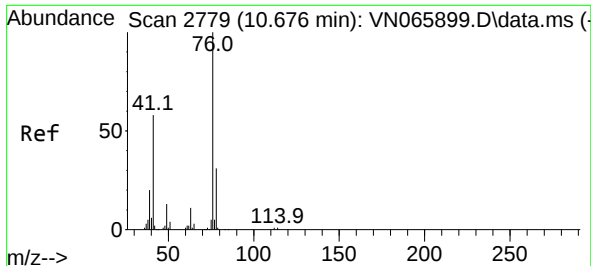
Tgt Ion: 75 Resp: 130
Ion Ratio Lower Upper
75 100
77 0.0 26.2 39.4#



#54
cis-1,3-Dichloropropene
Concen: 6.70 ug/l
RT: 9.872 min Scan# 2529
Delta R.T. 0.065 min
Lab File: VN065969.D
Acq: 22 Feb 2021 18:54

Tgt Ion: 75 Resp: 20039
Ion Ratio Lower Upper
75 100
77 0.6 24.9 37.3#
39 24.8 36.2 54.4#

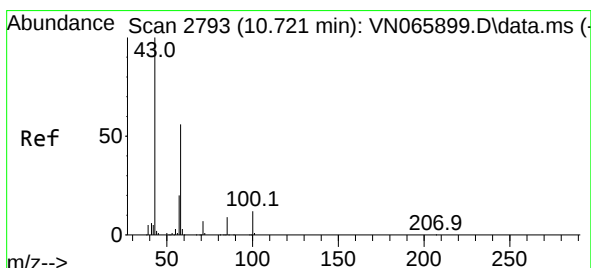
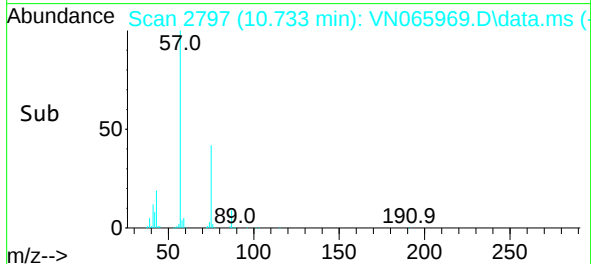
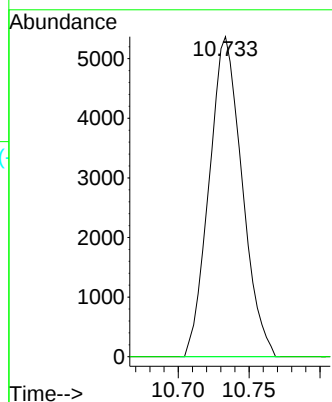
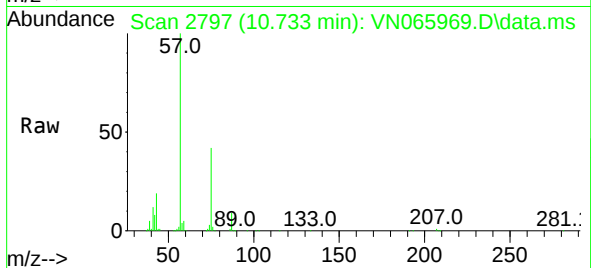




#57
1,3-Dichloropropane
Concen: 2.82 ug/l
RT: 10.733 min Scan# 2797
Delta R.T. 0.057 min
Lab File: VN065969.D
Acq: 22 Feb 2021 18:54

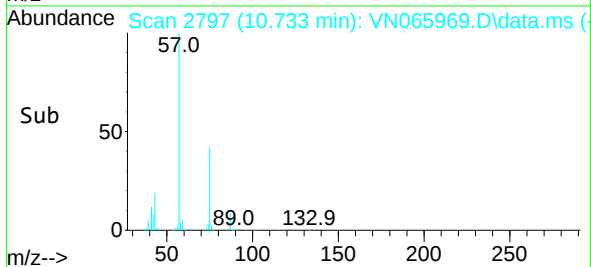
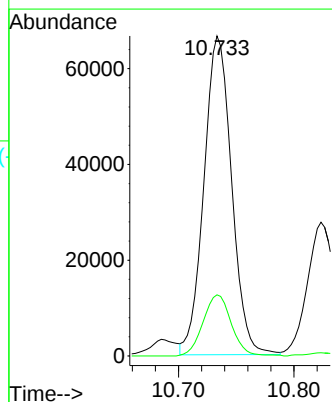
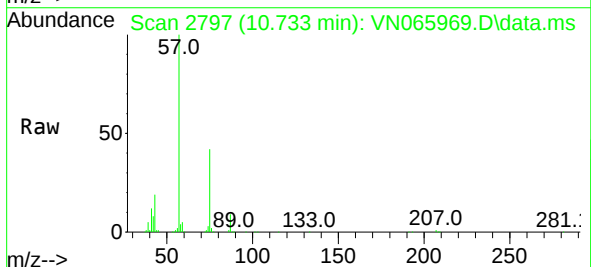
Instrument :
MSVOA_N
ClientSampled :
TP-4

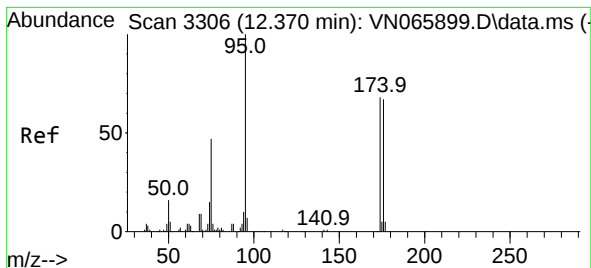
Tgt Ion: 76 Resp: 8671
Ion Ratio Lower Upper
76 100
78 0.0 25.7 38.5#



#59
2-Hexanone
Concen: 71.95 ug/l
RT: 10.733 min Scan# 2797
Delta R.T. 0.012 min
Lab File: VN065969.D
Acq: 22 Feb 2021 18:54

Tgt Ion: 43 Resp: 111061
Ion Ratio Lower Upper
43 100
58 19.6 28.1 84.3#

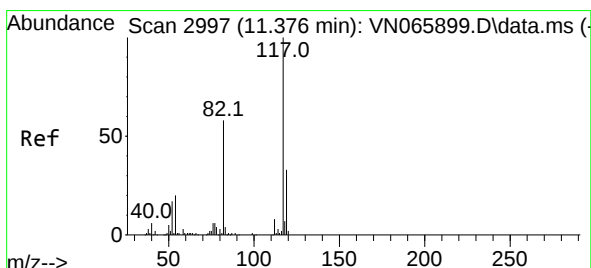
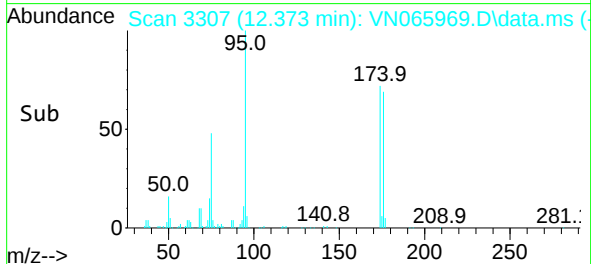
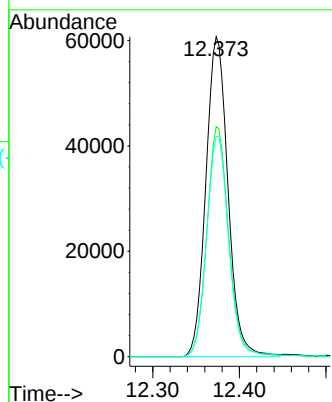
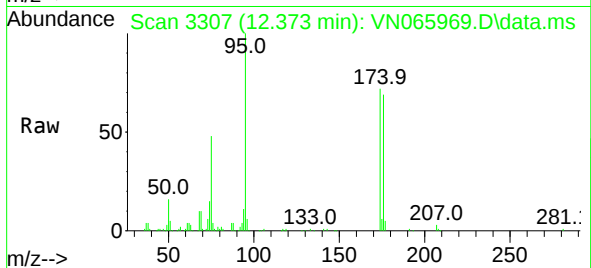




#62
4-Bromofluorobenzene
Concen: 44.93 ug/l
RT: 12.373 min Scan# 3307
Delta R.T. 0.003 min
Lab File: VN065969.D
Acq: 22 Feb 2021 18:54

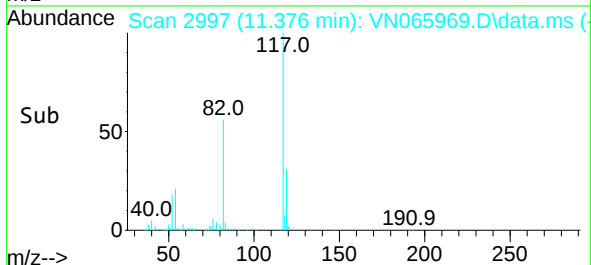
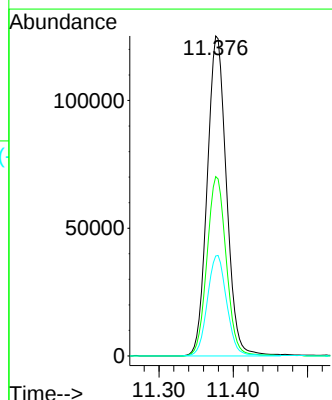
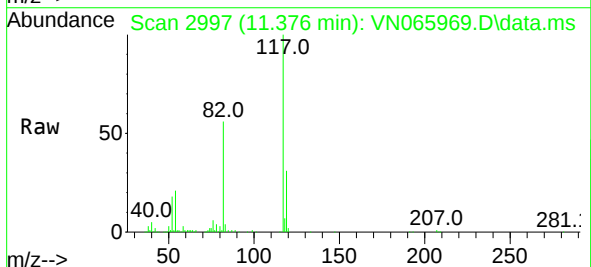
Instrument :
MSVOA_N
ClientSampled :
TP-4

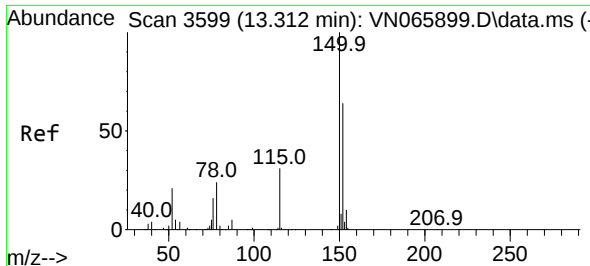
Tgt Ion: 95 Resp: 107544
Ion Ratio Lower Upper
95 100
174 71.0 0.0 169.0
176 69.4 0.0 162.4



#63
Chlorobenzene-d5
Concen: 50.00 ug/l
RT: 11.376 min Scan# 2997
Delta R.T. 0.000 min
Lab File: VN065969.D
Acq: 22 Feb 2021 18:54

Tgt Ion: 117 Resp: 225089
Ion Ratio Lower Upper
117 100
82 56.1 43.7 65.5
119 31.3 26.1 39.1

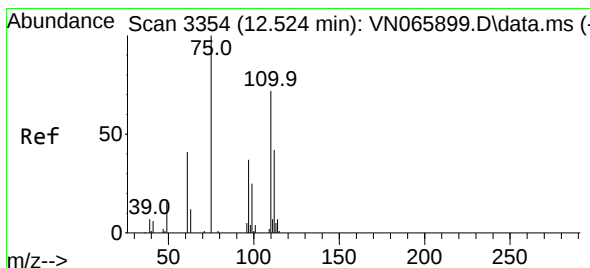
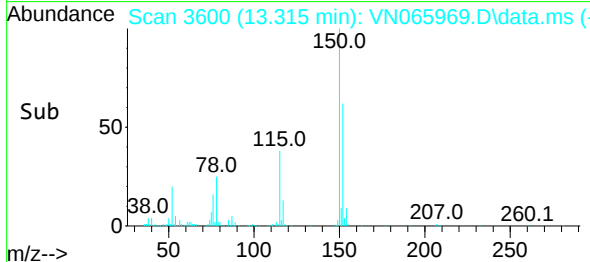
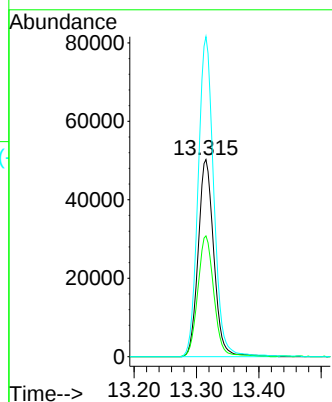
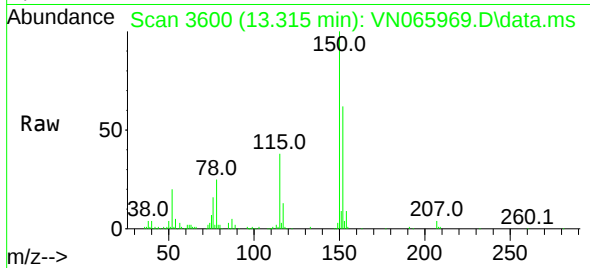




#72
 1,4-Dichlorobenzene-d4
 Concen: 50.00 ug/l
 RT: 13.315 min Scan# 3600
 Delta R.T. 0.003 min
 Lab File: VN065969.D
 Acq: 22 Feb 2021 18:54

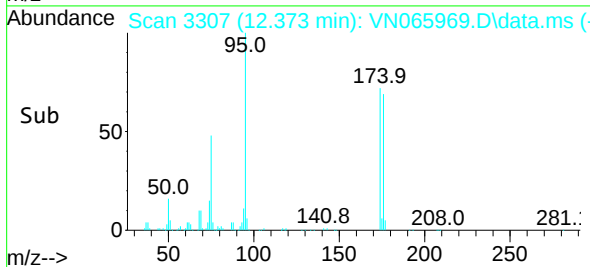
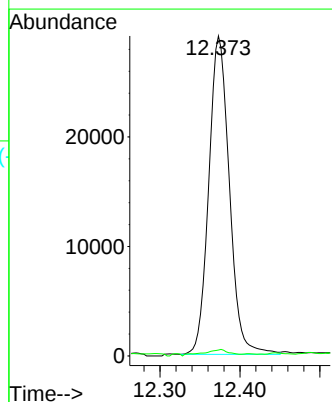
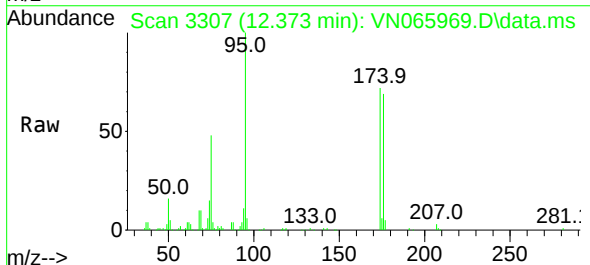
Instrument :
 MSVOA_N
 ClientSampled :
 TP-4

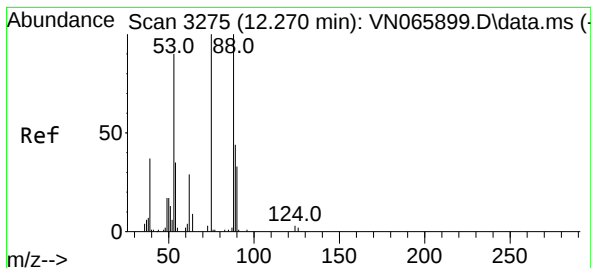
Tgt Ion:152 Resp: 87671
 Ion Ratio Lower Upper
 152 100
 115 63.2 28.5 85.6
 150 162.1 0.0 347.6



#76
 1,2,3-Trichloropropane
 Concen: 24.69 ug/l
 RT: 12.373 min Scan# 3307
 Delta R.T. -0.151 min
 Lab File: VN065969.D
 Acq: 22 Feb 2021 18:54

Tgt Ion: 75 Resp: 52003
 Ion Ratio Lower Upper
 75 100
 77 2.6 0.0 0.0#

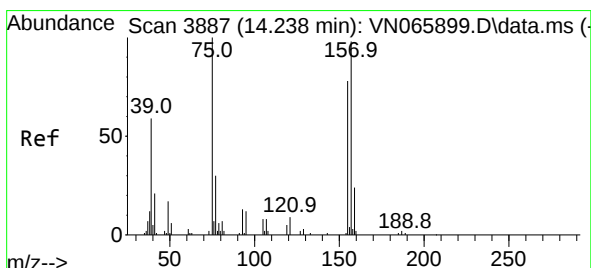
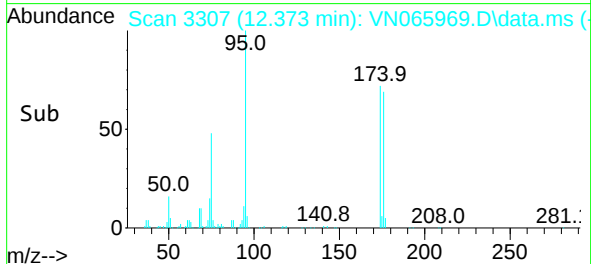
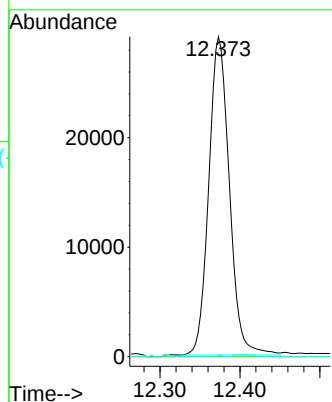
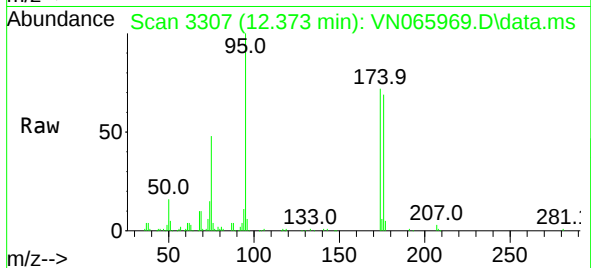




#81
trans-1,4-Dichloro-2-butene
Concen: 78.69 ug/l
RT: 12.373 min Scan# 3307
Delta R.T. 0.103 min
Lab File: VN065969.D
Acq: 22 Feb 2021 18:54

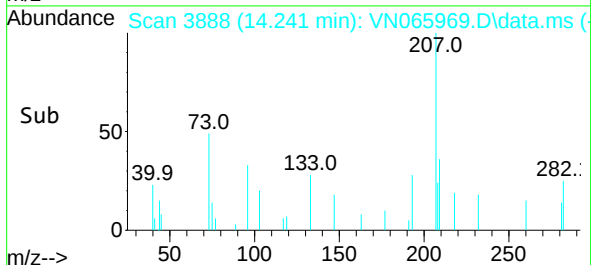
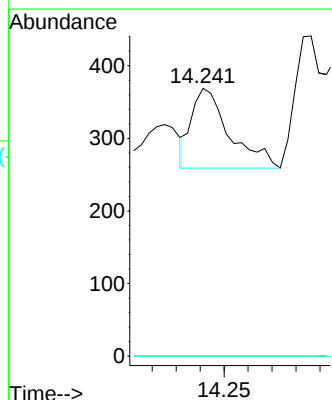
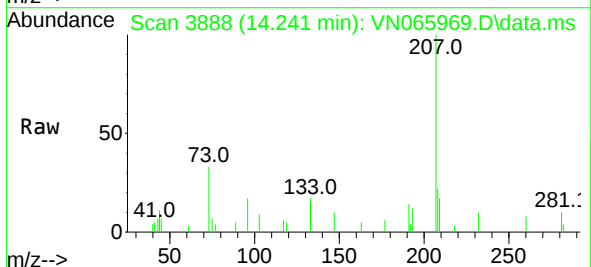
Instrument :
MSVOA_N
ClientSampled :
TP-4

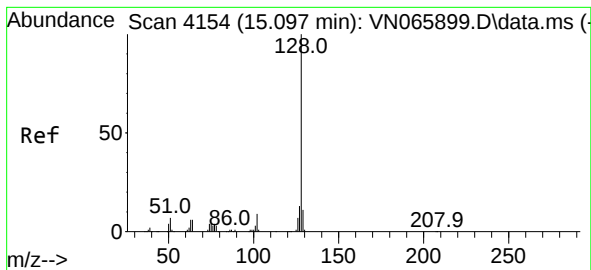
Tgt Ion: 75 Resp: 52003
Ion Ratio Lower Upper
75 100
53 0.0 74.6 111.8#
89 0.1 35.8 53.8#



#92
1,2-Dibromo-3-Chloropropane
Concen: 1.13 ug/l
RT: 14.241 min Scan# 3888
Delta R.T. 0.003 min
Lab File: VN065969.D
Acq: 22 Feb 2021 18:54

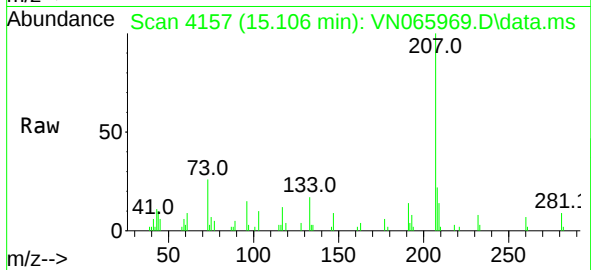
Tgt Ion: 75 Resp: 121
Ion Ratio Lower Upper
75 100
155 0.0 44.1 132.4#
157 0.0 56.0 168.2#





#95
Naphthalene
Concen: 3.16 ug/l
RT: 15.106 min Scan# 4157
Delta R.T. 0.009 min
Lab File: VN065969.D
Acq: 22 Feb 2021 18:54

Instrument :
MSVOA_N
ClientSampleId :
TP-4



Tgt Ion:128 Resp: 558
Ion Ratio Lower Upper
128 100
127 0.0 10.2 15.2#
129 0.0 8.6 13.0#

