

Data Path : Z:\voasrv\HPCHEM1\MSVOA_N\Data\VN011121\
 Data File : VN065472.D
 Acq On : 11 Jan 2021 16:54
 Operator : JC/MD
 Sample : PB134024ZHE#12
 Misc : 5.00mL/MSVOA_N/WATER
 ALS Vial : 16 Sample Multiplier: 1

Instrument :
 MSVOA_N
 ClientSampleId :

Quant Time: Jan 12 00:09:56 2021
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA_N\methods\82N122220W.M
 Quant Title : SW846 8260
 QLast Update : Tue Dec 22 15:42:18 2020
 Response via : Initial Calibration

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

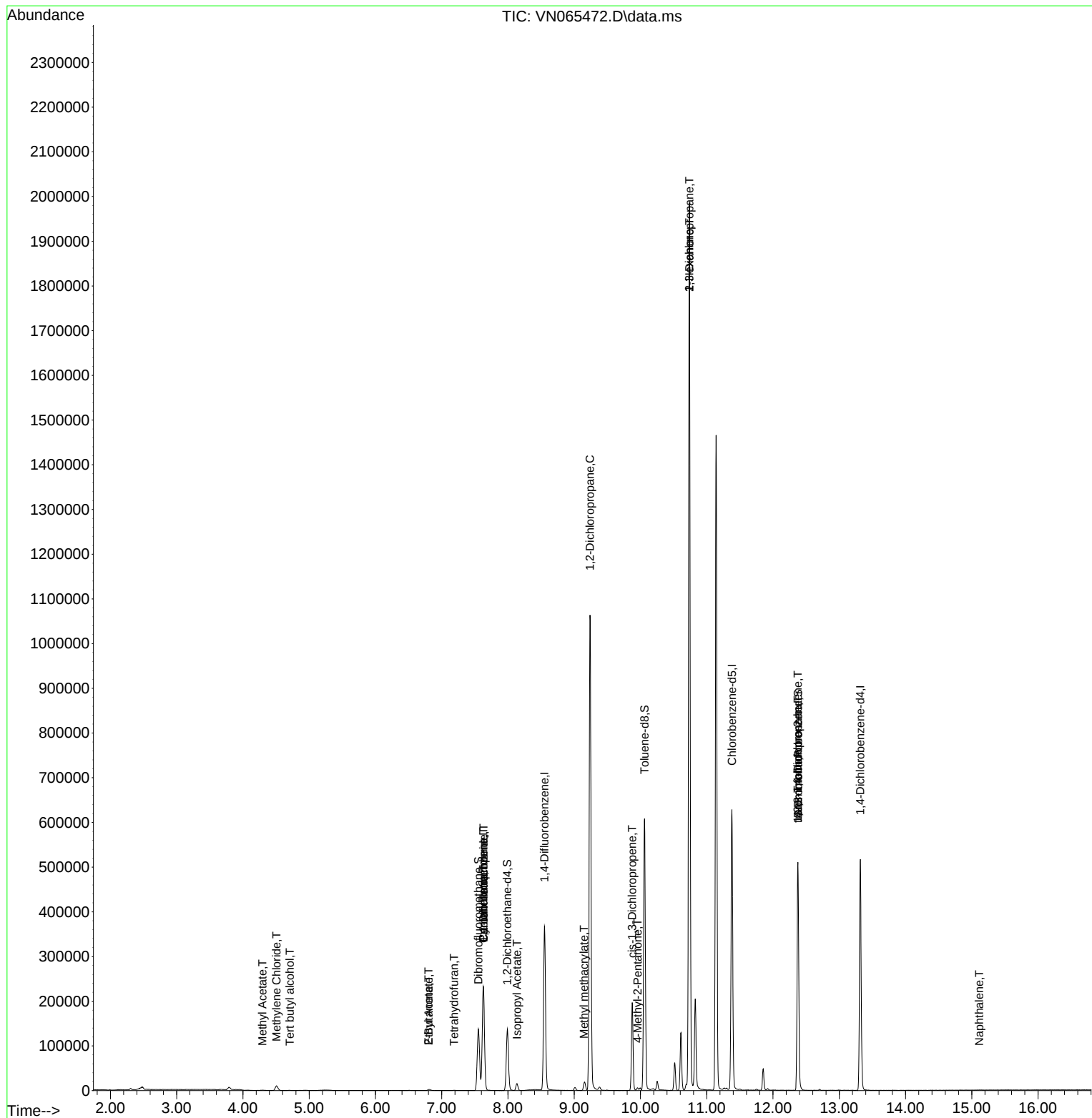
Internal Standards						
1) Pentafluorobenzene	7.627	168	214725	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	8.550	114	354143	50.00	ug/l	0.00
63) Chlorobenzene-d5	11.380	117	388155	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.318	152	161673	50.00	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	7.991	65	118848	49.03	ug/l	0.00
Spiked Amount 50.000	Range 61 - 141		Recovery =	98.06%		
35) Dibromofluoromethane	7.553	113	105879	49.56	ug/l	0.00
Spiked Amount 50.000	Range 69 - 133		Recovery =	99.12%		
50) Toluene-d8	10.061	98	446344	55.74	ug/l	0.00
Spiked Amount 50.000	Range 65 - 126		Recovery =	111.48%		
62) 4-Bromofluorobenzene	12.376	95	176279	55.08	ug/l	0.00
Spiked Amount 50.000	Range 58 - 135		Recovery =	110.16%		
Target Compounds					Qvalue	
11) Tert butyl alcohol	4.708	59	154	0.39	ug/l #	73
16) Acetone	3.791	43	8257	Below Cal		93
18) Methyl Acetate	4.293	43	1906	0.88	ug/l #	50
20) Methylene Chloride	4.505	84	8426	3.56	ug/l	94
25) 2-Butanone	6.801	43	3377	2.48	ug/l	98
29) Tetrahydrofuran	7.187	42	736	0.84	ug/l #	32
31) Cyclohexane	7.627	56	3343	0.93	ug/l #	1
36) 1,1-Dichloropropene	7.627	75	13199	4.10	ug/l #	49
37) Ethyl Acetate	6.801	43	3377	1.06	ug/l #	66
38) Carbon Tetrachloride	7.630	117	17521	5.18	ug/l #	17
43) Isopropyl Acetate	8.135	43	18951	3.44	ug/l	98
45) 1,2-Dichloropropane	9.238	63	1360	0.55	ug/l #	43
48) Methyl methacrylate	9.148	41	4556	1.71	ug/l #	12
51) 4-Methyl-2-Pentanone	9.955	43	4295	1.39	ug/l	95
54) cis-1,3-Dichloropropene	9.875	75	35978	8.42	ug/l #	61
57) 1,3-Dichloropropane	10.736	76	21263	5.39	ug/l #	42
59) 2-Hexanone	10.736	43	283317	124.61	ug/l #	49
71) Bromoform	12.376	173	1056	0.40	ug/l #	1
76) 1,2,3-Trichloropropane	12.373	75	84937	25.75	ug/l #	100
81) trans-1,4-Dichloro-2-b...	12.373	75	84937	64.93	ug/l #	15
95) Naphthalene	15.112	128	65	3.38	ug/l #	69

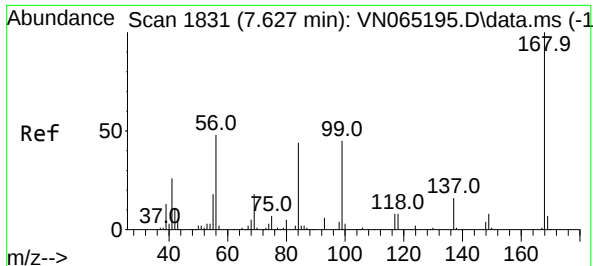
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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Quant Time: Jan 12 00:09:56 2021
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_N\methods\82N122220W.M
Quant Title : SW846 8260
QLast Update : Tue Dec 22 15:42:18 2020
Response via : Initial Calibration

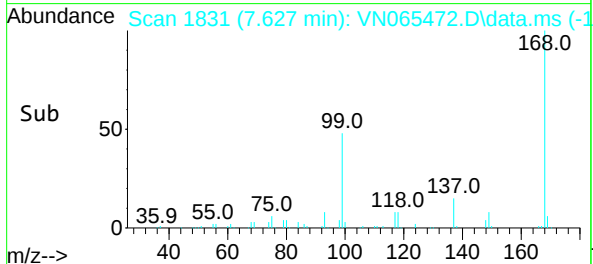
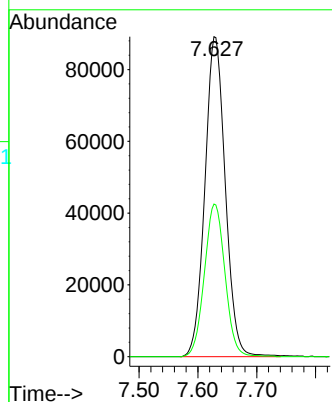
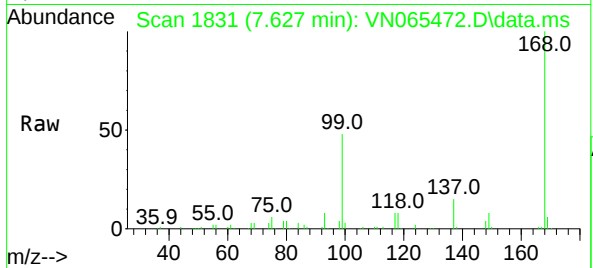




#1
Pentafluorobenzene
Concen: 50.00 ug/l
RT: 7.627 min Scan# 1831
Delta R.T. 0.000 min
Lab File: VN065472.D
Acq: 11 Jan 2021 16:54

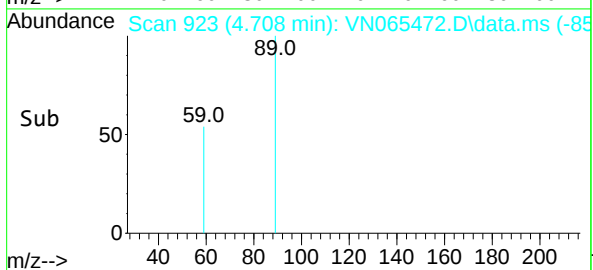
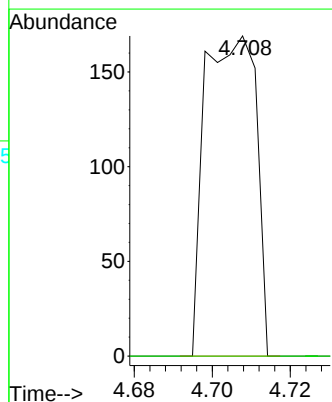
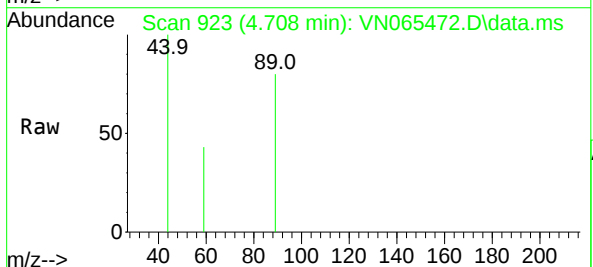
Instrument :
MSVOA_N
ClientSampled :

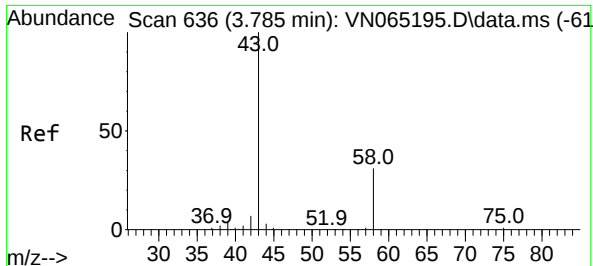
Tgt Ion:168 Resp: 214725
Ion Ratio Lower Upper
168 100
99 47.7 43.0 64.4



#11
Tert butyl alcohol
Concen: 0.39 ug/l
RT: 4.708 min Scan# 923
Delta R.T. -0.064 min
Lab File: VN065472.D
Acq: 11 Jan 2021 16:54

Tgt Ion: 59 Resp: 154
Ion Ratio Lower Upper
59 100
57 0.0 7.9 11.9#

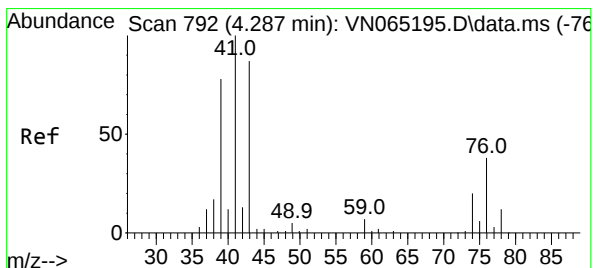
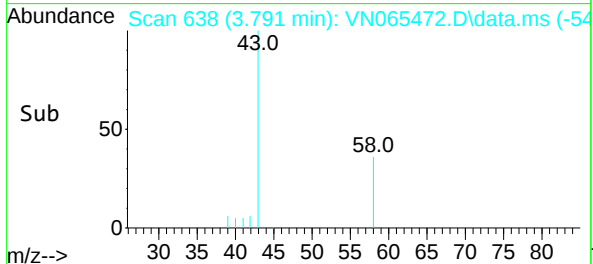
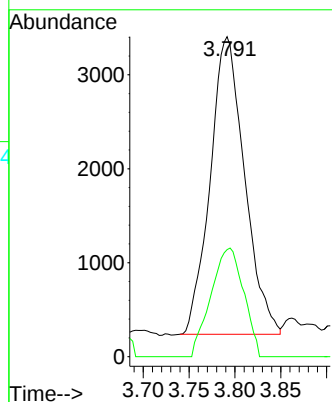
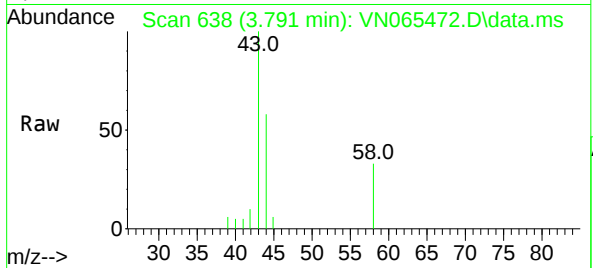




#16
Acetone
Concen: Below Cal
RT: 3.791 min Scan# 638
Delta R.T. 0.006 min
Lab File: VN065472.D
Acq: 11 Jan 2021 16:54

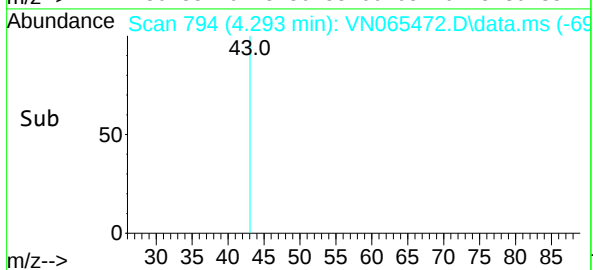
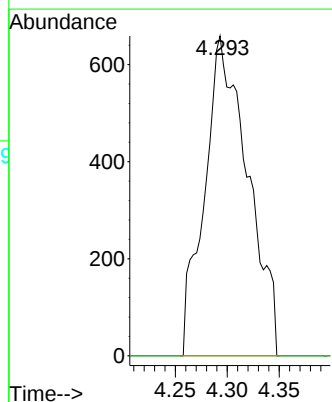
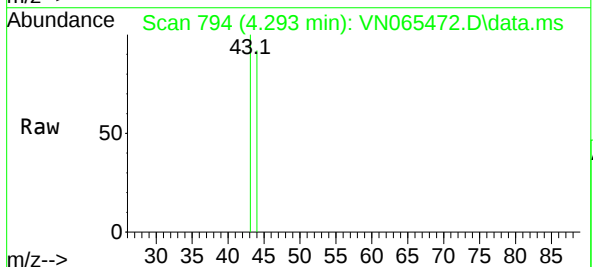
Instrument :
MSVOA_N
ClientSampled :

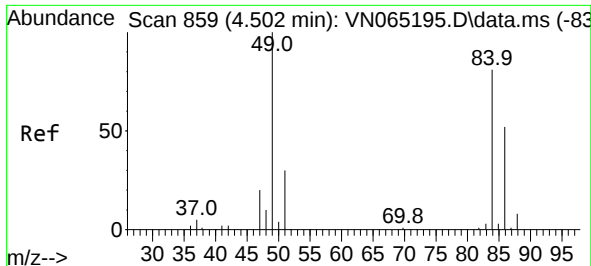
Tgt Ion: 43 Resp: 8257
Ion Ratio Lower Upper
43 100
58 36.0 25.7 38.5



#18
Methyl Acetate
Concen: 0.88 ug/l
RT: 4.293 min Scan# 794
Delta R.T. 0.006 min
Lab File: VN065472.D
Acq: 11 Jan 2021 16:54

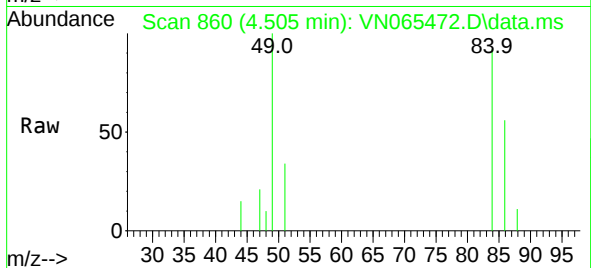
Tgt Ion: 43 Resp: 1906
Ion Ratio Lower Upper
43 100
74 0.0 20.2 30.2#



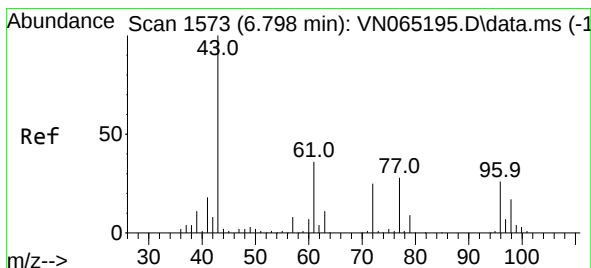
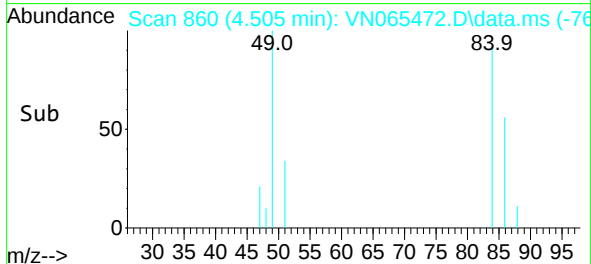
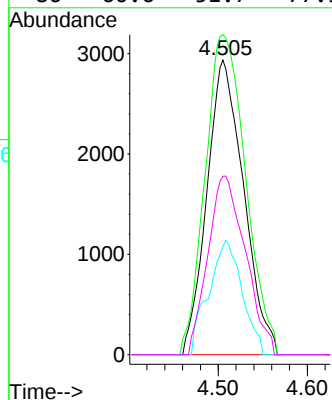


#20
Methylene Chloride
Concen: 3.56 ug/l
RT: 4.505 min Scan# 860
Delta R.T. 0.003 min
Lab File: VN065472.D
Acq: 11 Jan 2021 16:54

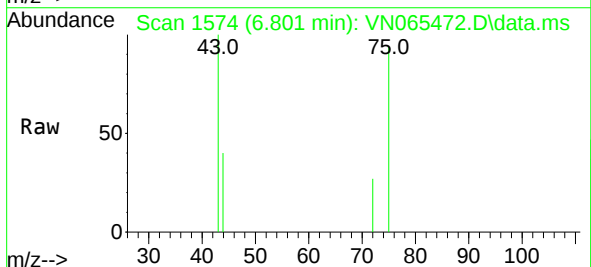
Instrument :
MSVOA_N
ClientSampled :



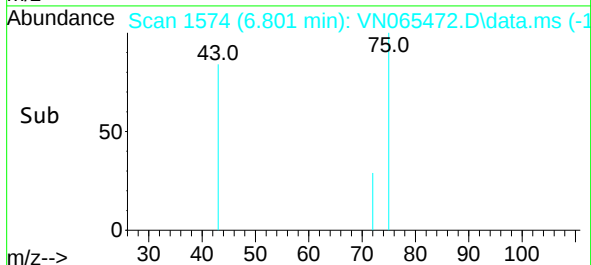
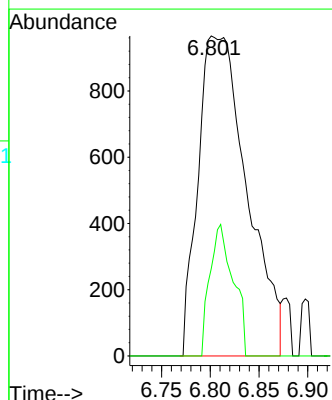
Tgt Ion:	84	Resp:	8426
Ion	Ratio	Lower	Upper
84	100		
49	108.6	93.4	140.0
51	36.6	28.2	42.4
86	60.6	51.7	77.5

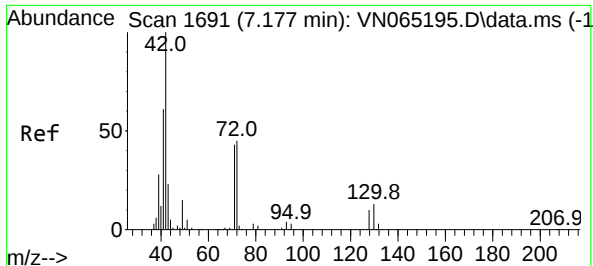


#25
2-Butanone
Concen: 2.48 ug/l
RT: 6.801 min Scan# 1574
Delta R.T. 0.003 min
Lab File: VN065472.D
Acq: 11 Jan 2021 16:54



Tgt Ion:	43	Resp:	3377
Ion	Ratio	Lower	Upper
43	100		
72	27.2	21.0	31.6





#29

Tetrahydrofuran

Concen: 0.84 ug/l

RT: 7.187 min Scan# 1694

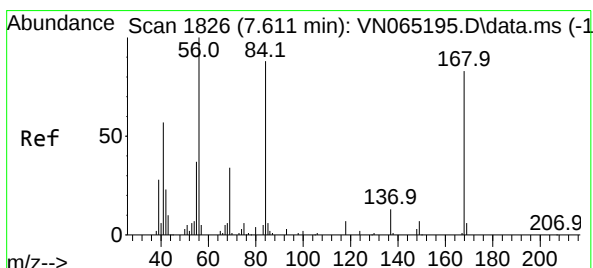
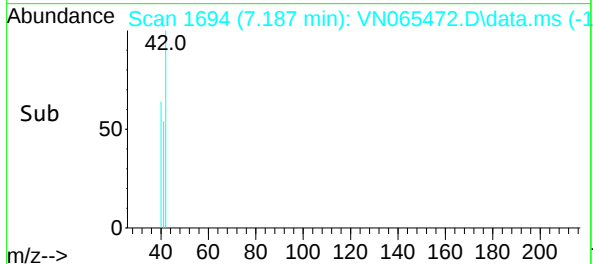
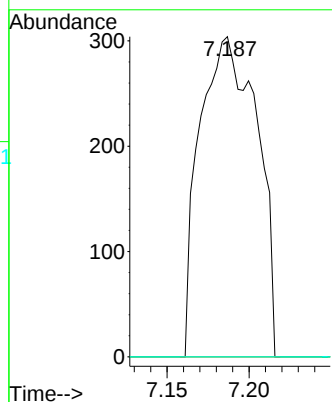
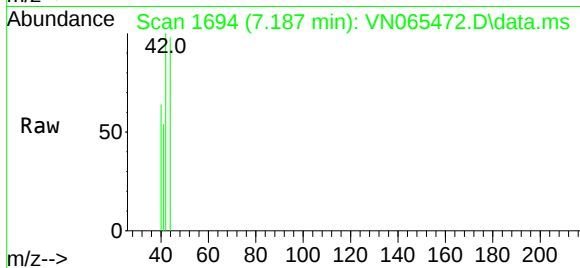
Delta R.T. 0.010 min

Lab File: VN065472.D

Acq: 11 Jan 2021 16:54

Instrument :
MSVOA_N
ClientSampled :

Tgt Ion:	42	Resp:	736
Ion	Ratio	Lower	Upper
42	100		
72	0.0	36.6	54.8#
71	0.0	33.6	50.4#



#31

Cyclohexane

Concen: 0.93 ug/l

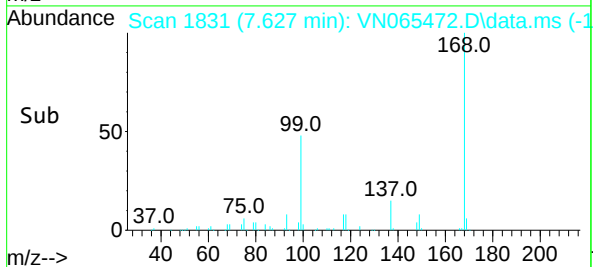
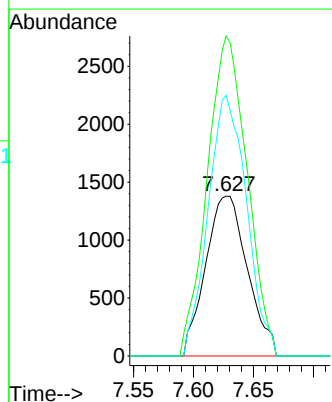
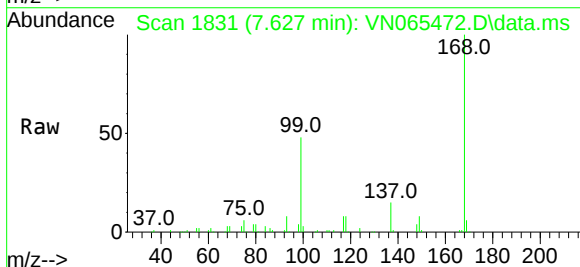
RT: 7.627 min Scan# 1831

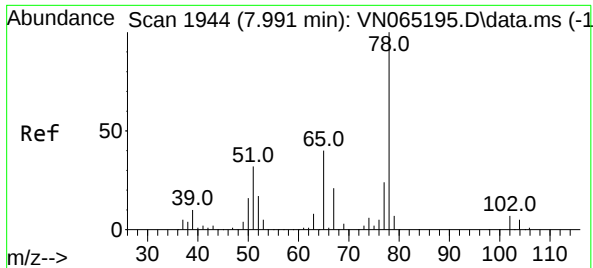
Delta R.T. 0.016 min

Lab File: VN065472.D

Acq: 11 Jan 2021 16:54

Tgt Ion:	56	Resp:	3343
Ion	Ratio	Lower	Upper
56	100		
69	200.1	27.5	41.3#
84	163.0	73.9	110.9#

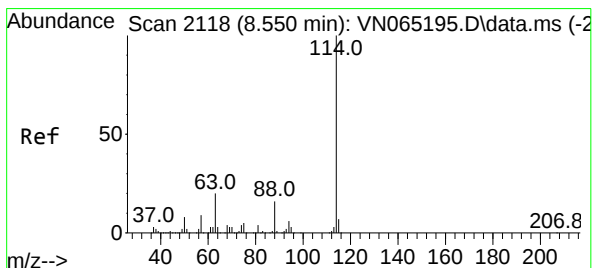
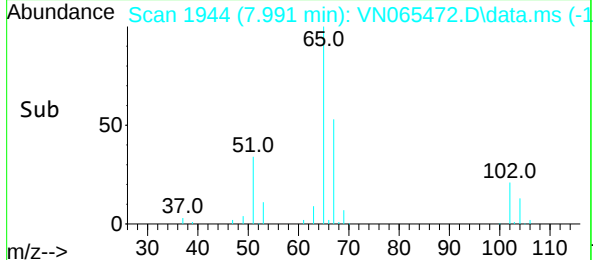
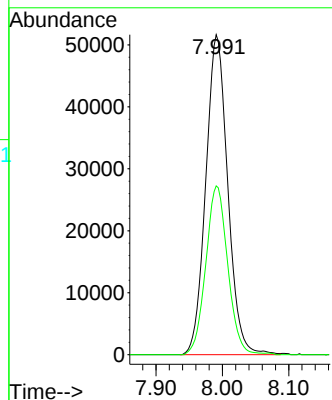
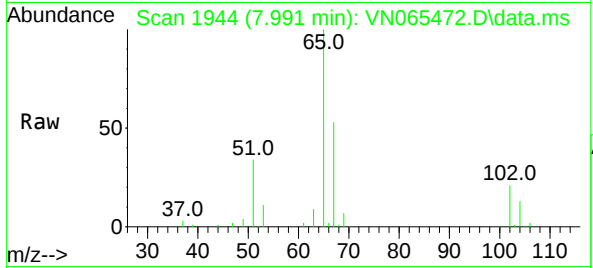




#33
1,2-Dichloroethane-d4
Concen: 49.03 ug/l
RT: 7.991 min Scan# 1944
Delta R.T. -0.000 min
Lab File: VN065472.D
Acq: 11 Jan 2021 16:54

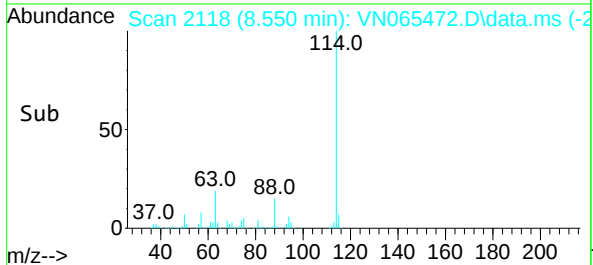
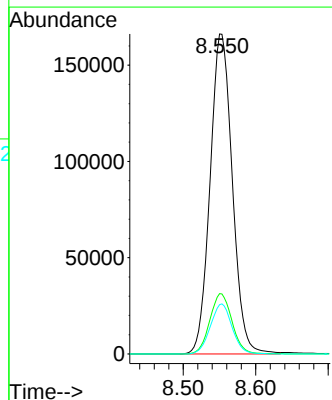
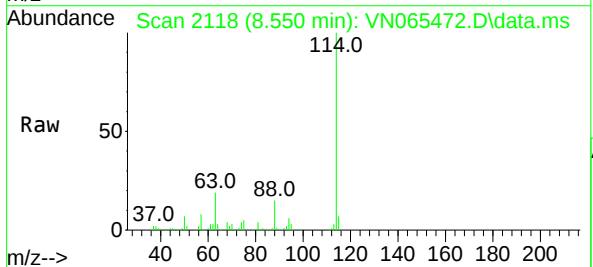
Instrument :
MSVOA_N
ClientSampled :

Tgt Ion: 65 Resp: 118848
Ion Ratio Lower Upper
65 100
67 52.6 0.0 108.2



#34
1,4-Difluorobenzene
Concen: 50.00 ug/l
RT: 8.550 min Scan# 2118
Delta R.T. 0.000 min
Lab File: VN065472.D
Acq: 11 Jan 2021 16:54

Tgt Ion: 114 Resp: 354143
Ion Ratio Lower Upper
114 100
63 18.8 0.0 38.6
88 15.4 0.0 32.6

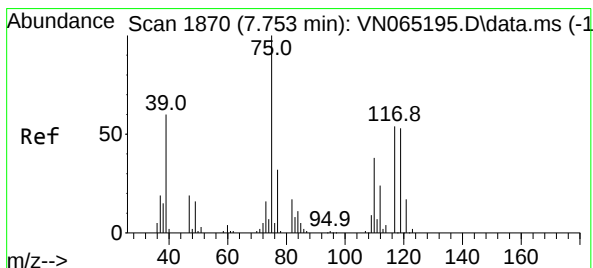
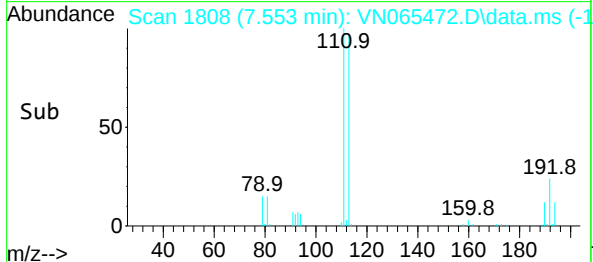
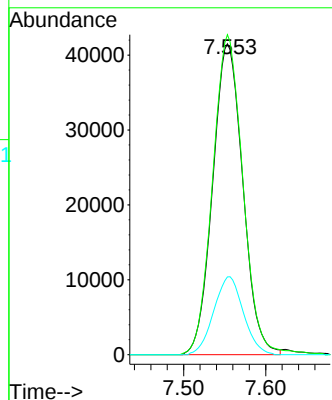
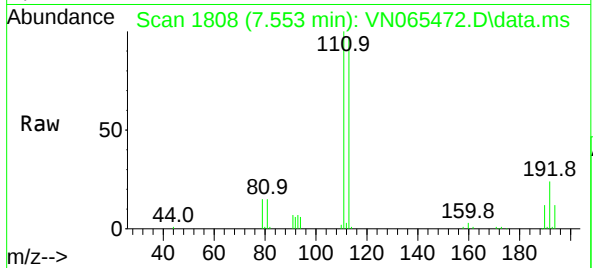




#35
Dibromofluoromethane
Concen: 49.56 ug/l
RT: 7.553 min Scan# 1808
Delta R.T. 0.003 min
Lab File: VN065472.D
Acq: 11 Jan 2021 16:54

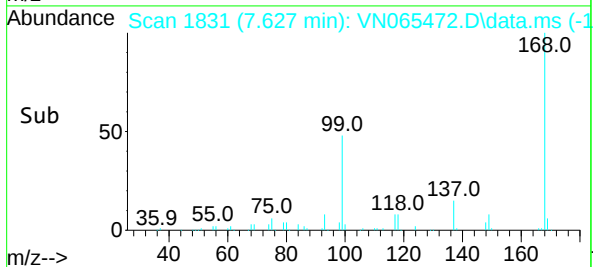
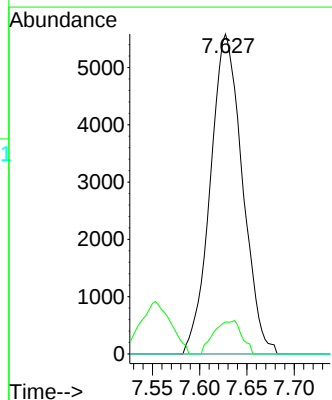
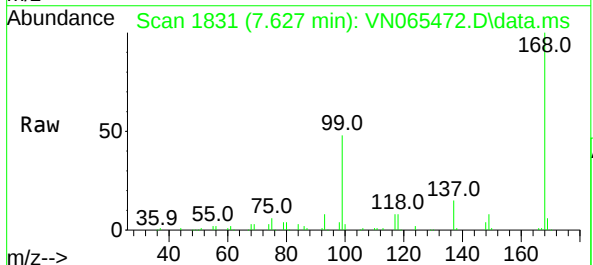
Instrument :
MSVOA_N
ClientSampled :

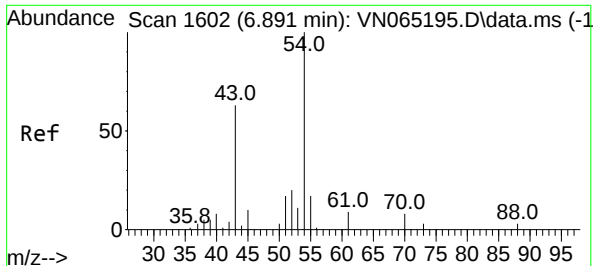
Tgt Ion:113 Resp: 105879
Ion Ratio Lower Upper
113 100
111 103.4 81.6 122.4
192 24.7 16.2 24.2#



#36
1,1-Dichloropropene
Concen: 4.10 ug/l
RT: 7.627 min Scan# 1831
Delta R.T. -0.126 min
Lab File: VN065472.D
Acq: 11 Jan 2021 16:54

Tgt Ion: 75 Resp: 13199
Ion Ratio Lower Upper
75 100
110 9.0 17.8 53.3#
77 0.0 25.0 37.4#





#37

Ethyl Acetate

Concen: 1.06 ug/l

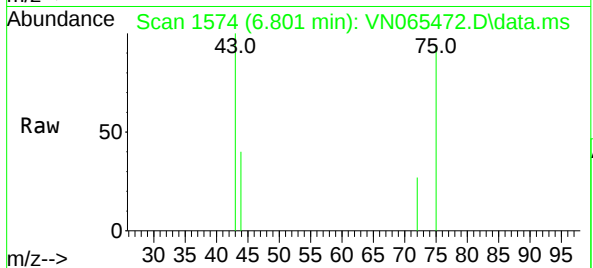
RT: 6.801 min Scan# 1574

Delta R.T. -0.090 min

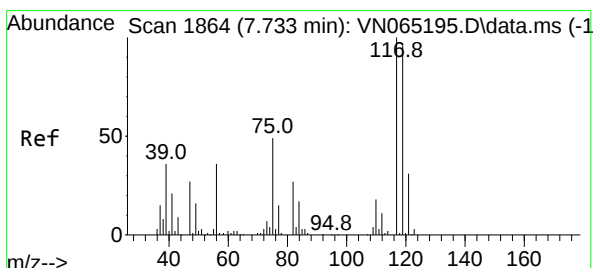
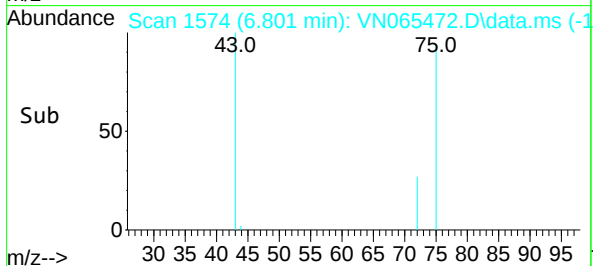
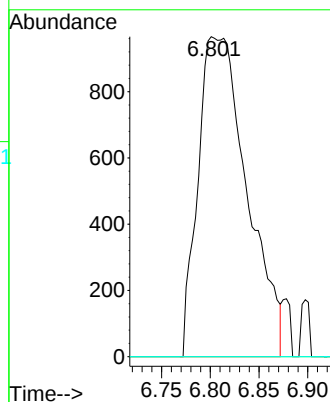
Lab File: VN065472.D

Acq: 11 Jan 2021 16:54

Instrument :
MSVOA_N
ClientSampleId :



Tgt Ion:	43	Resp:	3377
Ion	Ratio	Lower	Upper
43	100		
61	0.0	12.8	19.2#
70	0.0	8.8	13.2#



#38

Carbon Tetrachloride

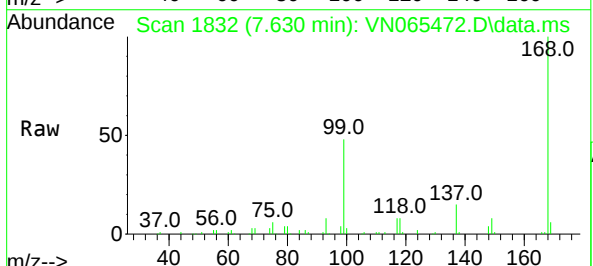
Concen: 5.18 ug/l

RT: 7.630 min Scan# 1832

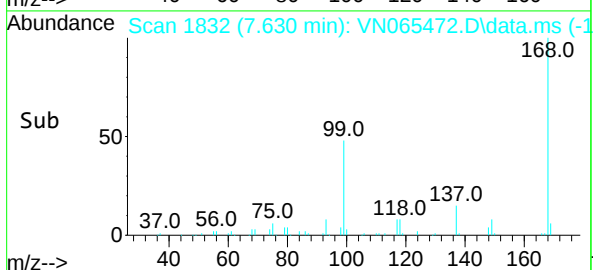
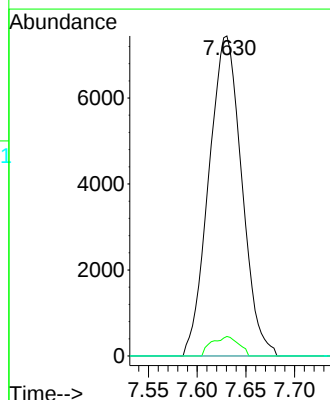
Delta R.T. -0.103 min

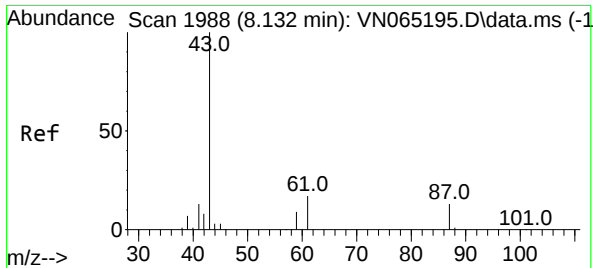
Lab File: VN065472.D

Acq: 11 Jan 2021 16:54



Tgt Ion:	117	Resp:	17521
Ion	Ratio	Lower	Upper
117	100		
119	6.1	76.7	115.1#
121	0.0	25.4	38.2#

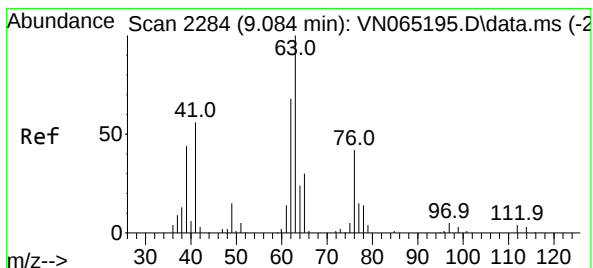
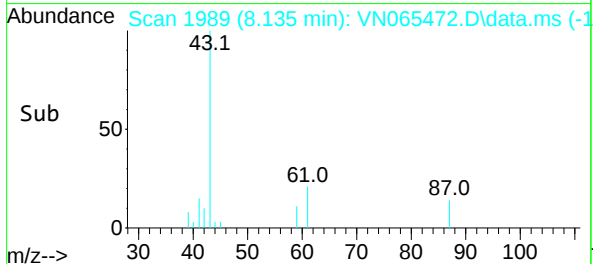
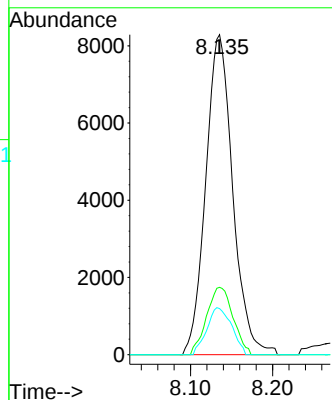
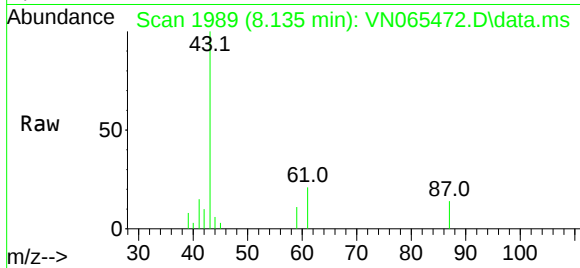




#43
Isopropyl Acetate
Concen: 3.44 ug/l
RT: 8.135 min Scan# 1989
Delta R.T. 0.003 min
Lab File: VN065472.D
Acq: 11 Jan 2021 16:54

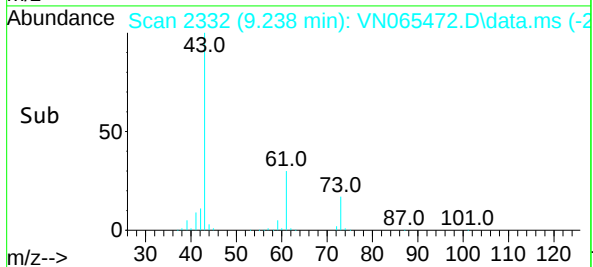
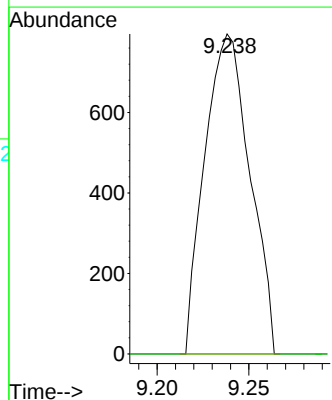
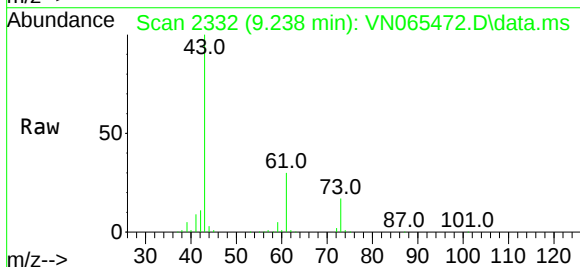
Instrument :
MSVOA_N
ClientSampled :

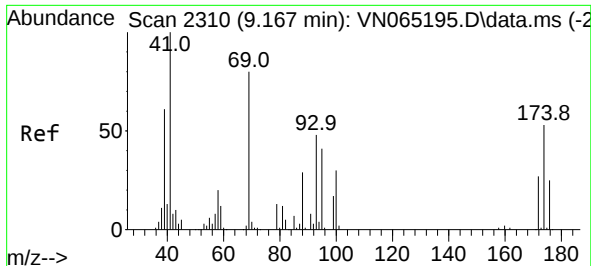
Tgt Ion: 43	Resp: 18951
Ion Ratio	Lower Upper
43 100	
61 20.6	17.2 25.8
87 13.4	11.4 17.0



#45
1,2-Dichloropropane
Concen: 0.55 ug/l
RT: 9.238 min Scan# 2332
Delta R.T. 0.154 min
Lab File: VN065472.D
Acq: 11 Jan 2021 16:54

Tgt Ion: 63	Resp: 1360
Ion Ratio	Lower Upper
63 100	
65 0.0	25.0 37.4#

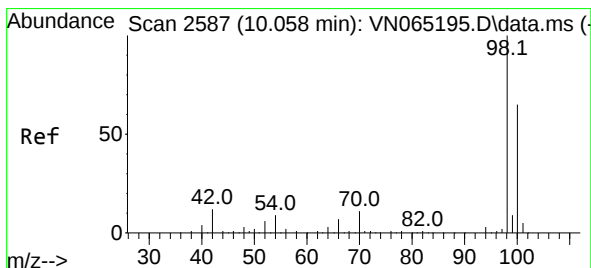
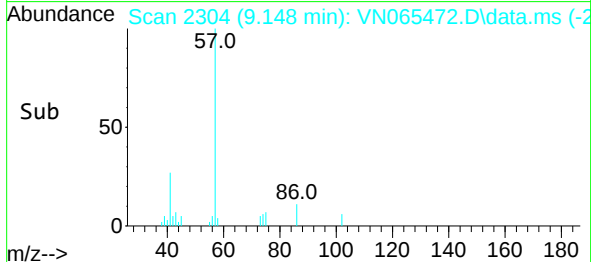
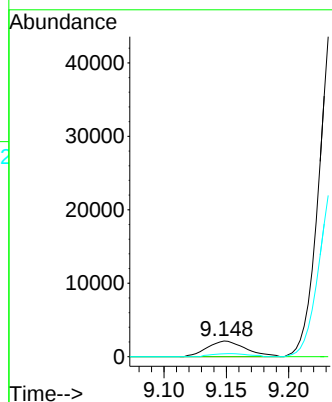
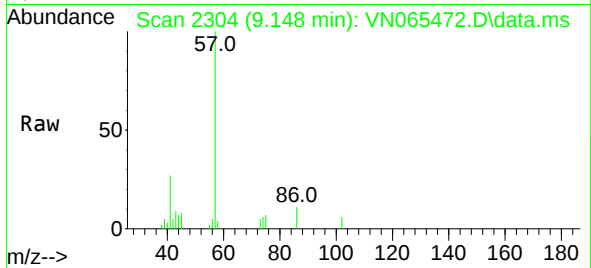




#48
Methyl methacrylate
Concen: 1.71 ug/l
RT: 9.148 min Scan# 2304
Delta R.T. -0.019 min
Lab File: VN065472.D
Acq: 11 Jan 2021 16:54

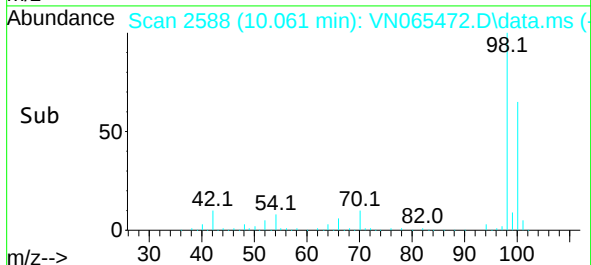
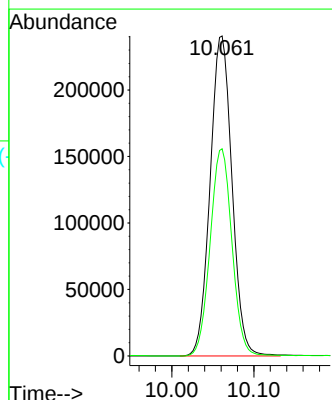
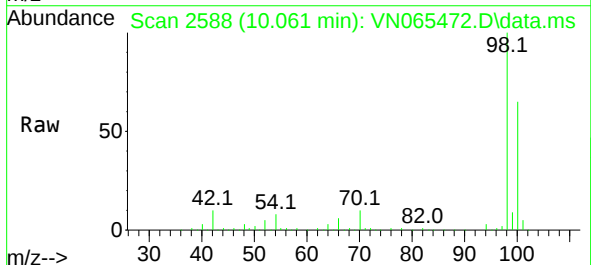
Instrument :
MSVOA_N
ClientSampled :

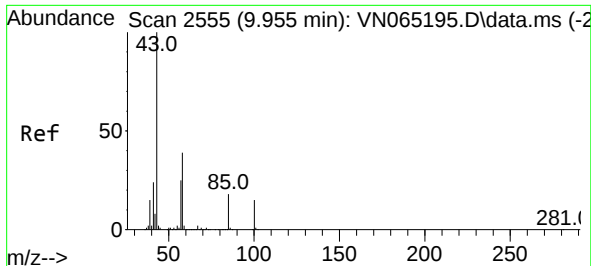
Tgt Ion: 41 Resp: 4556
Ion Ratio Lower Upper
41 100
69 0.0 71.8 107.8#
39 0.0 44.1 66.1#



#50
Toluene-d8
Concen: 55.74 ug/l
RT: 10.061 min Scan# 2588
Delta R.T. 0.003 min
Lab File: VN065472.D
Acq: 11 Jan 2021 16:54

Tgt Ion: 98 Resp: 446344
Ion Ratio Lower Upper
98 100
100 64.7 51.7 77.5

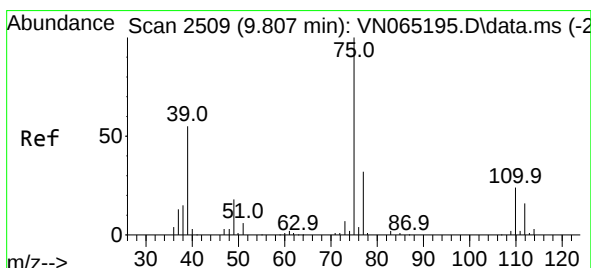
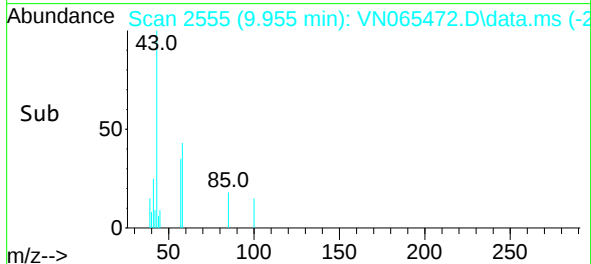
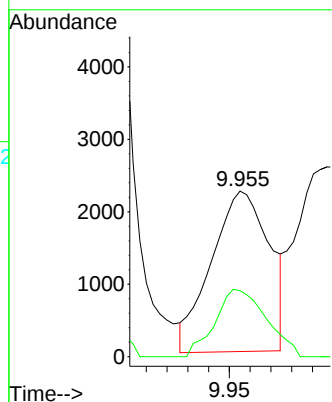
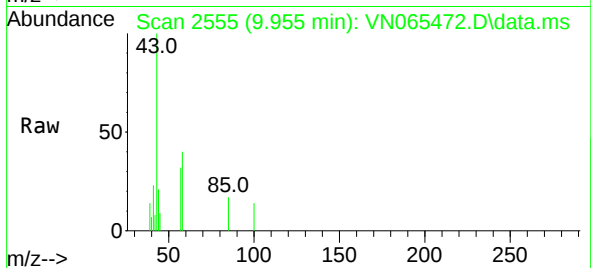




#51
4-Methyl-2-Pentanone
Concen: 1.39 ug/l
RT: 9.955 min Scan# 2555
Delta R.T. 0.000 min
Lab File: VN065472.D
Acq: 11 Jan 2021 16:54

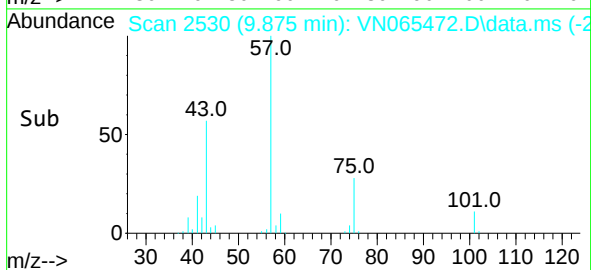
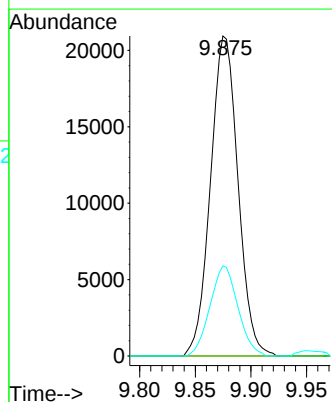
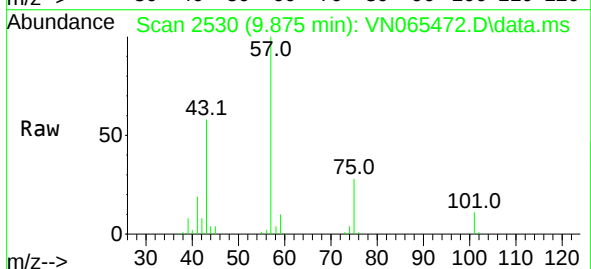
Instrument :
MSVOA_N
ClientSampled :

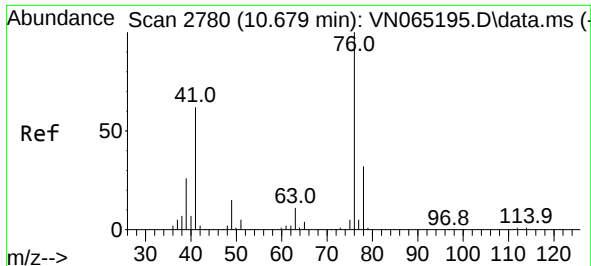
Tgt Ion: 43 Resp: 4295
Ion Ratio Lower Upper
43 100
58 37.1 32.4 48.6



#54
cis-1,3-Dichloropropene
Concen: 8.42 ug/l
RT: 9.875 min Scan# 2530
Delta R.T. 0.068 min
Lab File: VN065472.D
Acq: 11 Jan 2021 16:54

Tgt Ion: 75 Resp: 35978
Ion Ratio Lower Upper
75 100
77 0.0 25.5 38.3#
39 28.2 35.6 53.4#

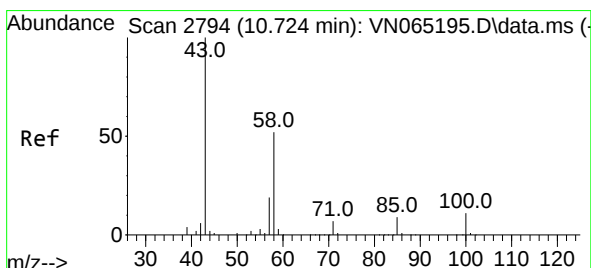
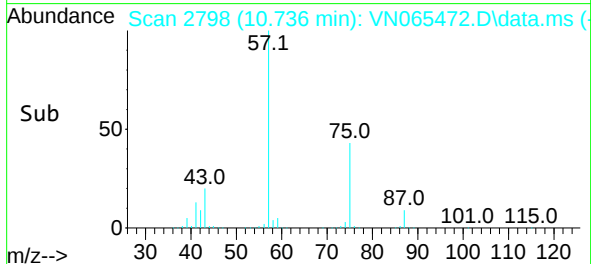
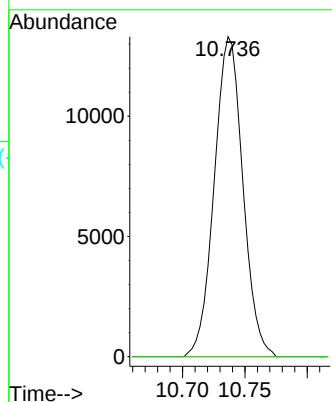
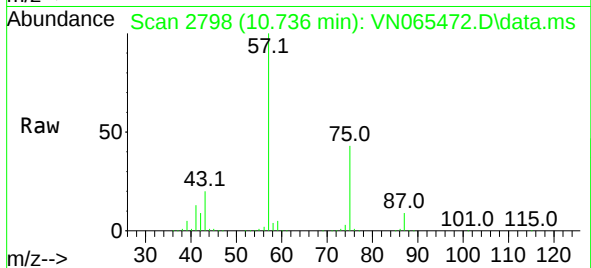




#57
1,3-Dichloropropane
Concen: 5.39 ug/l
RT: 10.736 min Scan# 2798
Delta R.T. 0.057 min
Lab File: VN065472.D
Acq: 11 Jan 2021 16:54

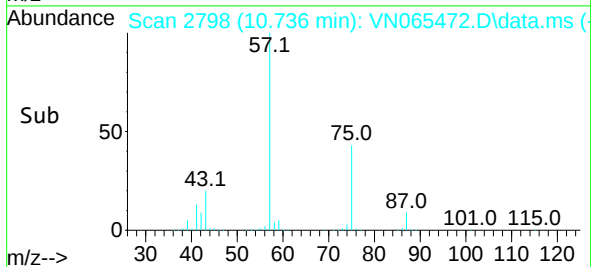
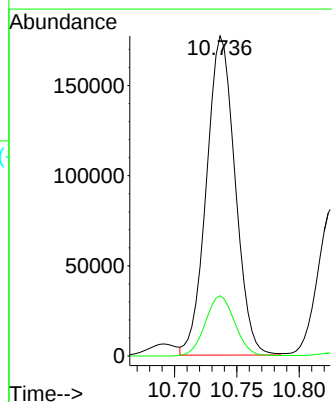
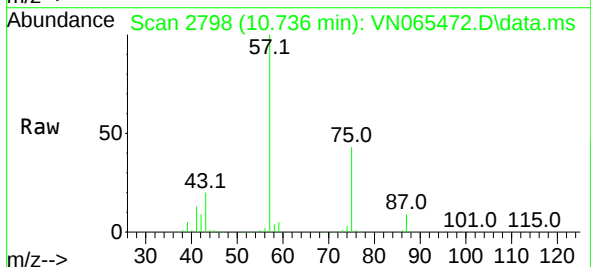
Instrument :
MSVOA_N
ClientSampled :

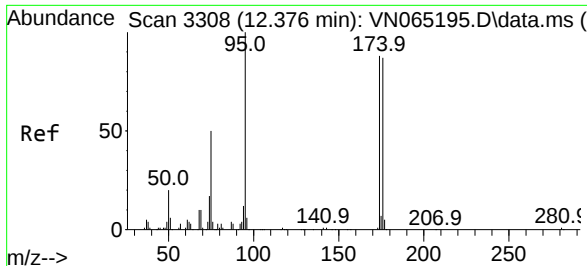
Tgt Ion: 76 Resp: 21263
Ion Ratio Lower Upper
76 100
78 0.0 26.1 39.1#



#59
2-Hexanone
Concen: 124.61 ug/l
RT: 10.736 min Scan# 2798
Delta R.T. 0.012 min
Lab File: VN065472.D
Acq: 11 Jan 2021 16:54

Tgt Ion: 43 Resp: 283317
Ion Ratio Lower Upper
43 100
58 19.5 28.3 84.9#

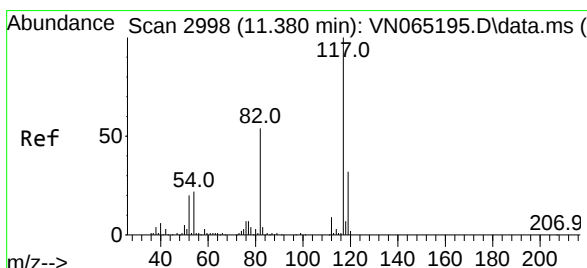
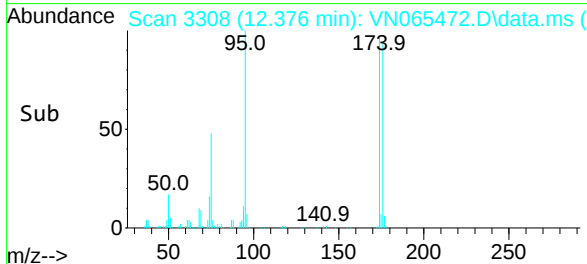
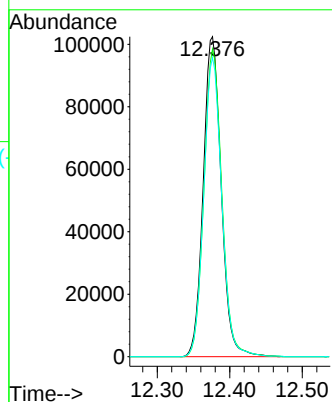
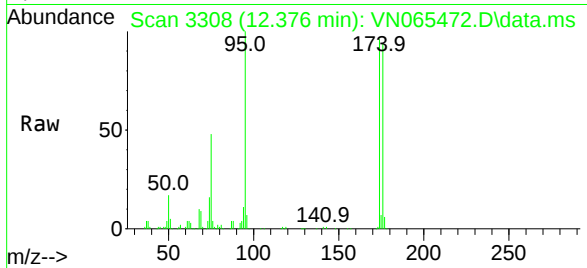




#62
4-Bromofluorobenzene
Concen: 55.08 ug/l
RT: 12.376 min Scan# 3308
Delta R.T. 0.000 min
Lab File: VN065472.D
Acq: 11 Jan 2021 16:54

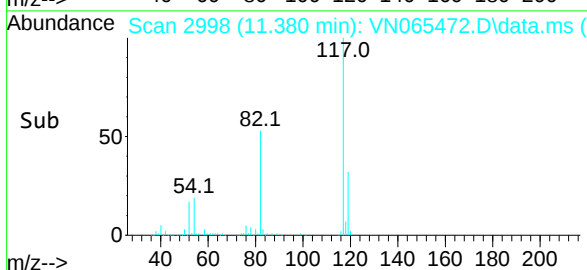
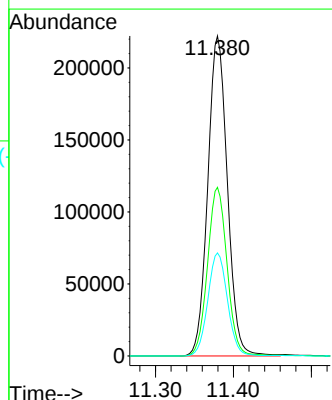
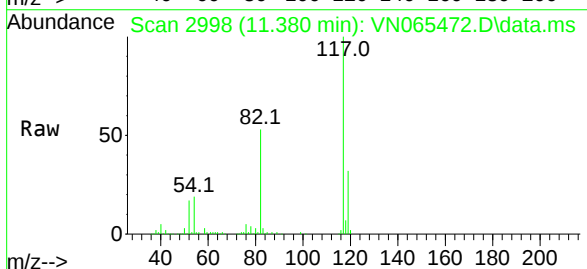
Instrument :
MSVOA_N
ClientSampled :

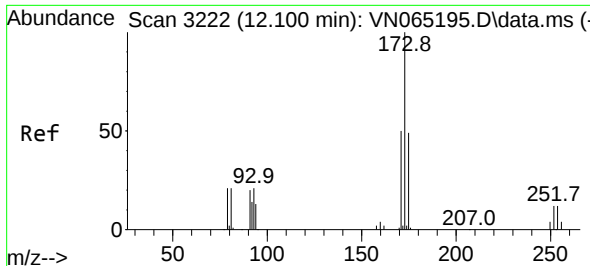
Tgt Ion: 95 Resp: 176279
Ion Ratio Lower Upper
95 100
174 96.3 0.0 160.4
176 93.9 0.0 158.4



#63
Chlorobenzene-d5
Concen: 50.00 ug/l
RT: 11.380 min Scan# 2998
Delta R.T. -0.000 min
Lab File: VN065472.D
Acq: 11 Jan 2021 16:54

Tgt Ion: 117 Resp: 388155
Ion Ratio Lower Upper
117 100
82 52.7 44.2 66.2
119 32.2 25.8 38.6

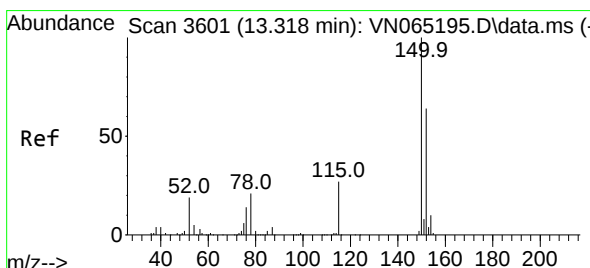
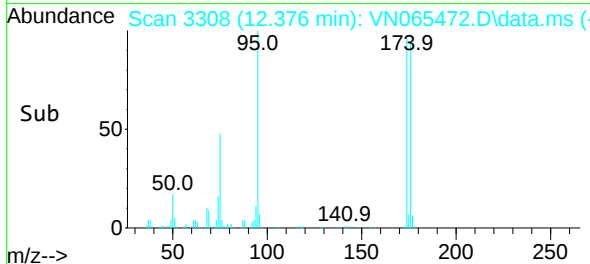
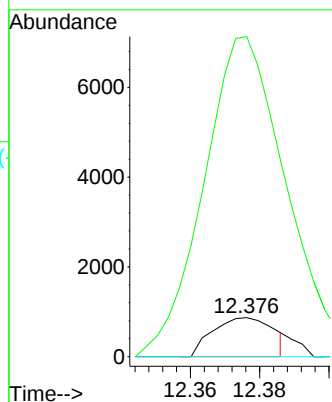
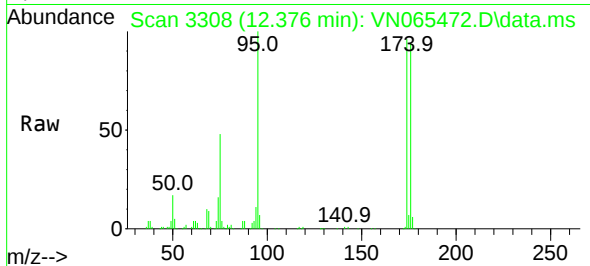




#71
Bromoform
Concen: 0.40 ug/l
RT: 12.376 min Scan# 3308
Delta R.T. 0.276 min
Lab File: VN065472.D
Acq: 11 Jan 2021 16:54

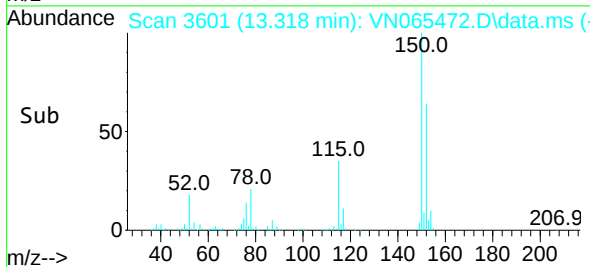
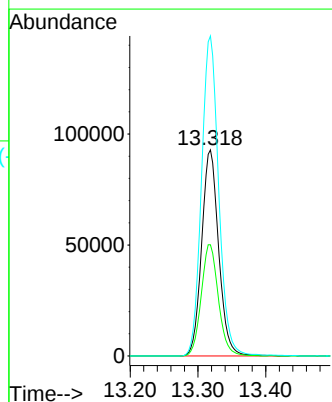
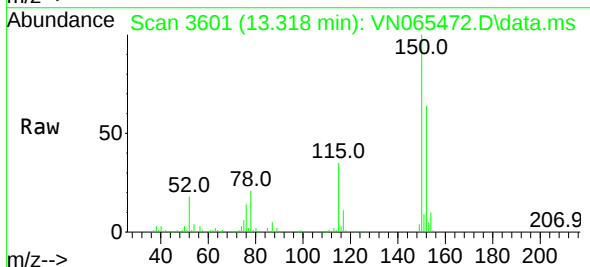
Instrument :
MSVOA_N
ClientSampleId :

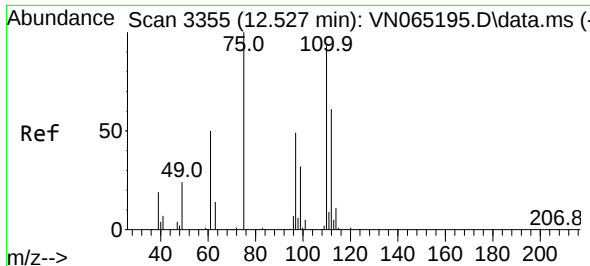
Tgt Ion:173 Resp: 1056
Ion Ratio Lower Upper
173 100
175 935.7 24.3 72.8#
254 0.0 0.0 0.0



#72
1,4-Dichlorobenzene-d4
Concen: 50.00 ug/l
RT: 13.318 min Scan# 3601
Delta R.T. 0.000 min
Lab File: VN065472.D
Acq: 11 Jan 2021 16:54

Tgt Ion:152 Resp: 161673
Ion Ratio Lower Upper
152 100
115 54.4 29.7 89.1
150 156.9 0.0 350.6

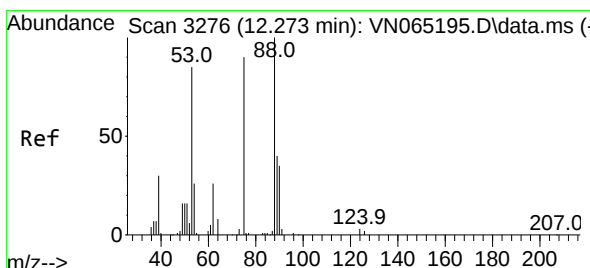
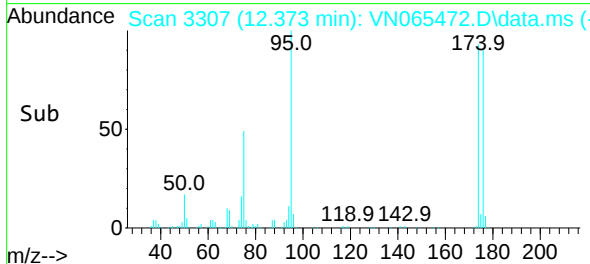
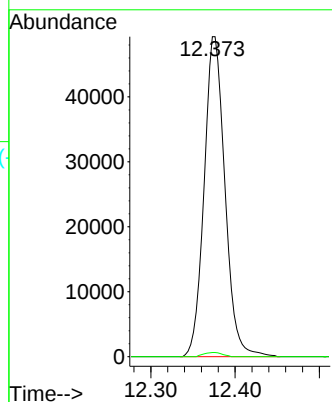
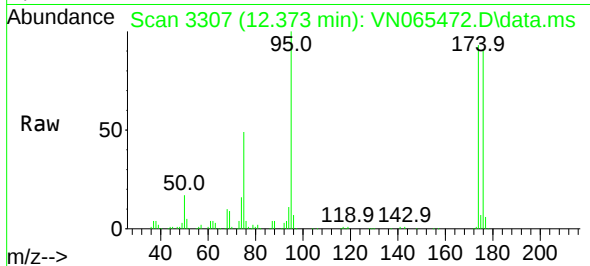




#76
1,2,3-Trichloropropane
Concen: 25.75 ug/l
RT: 12.373 min Scan# 3307
Delta R.T. -0.154 min
Lab File: VN065472.D
Acq: 11 Jan 2021 16:54

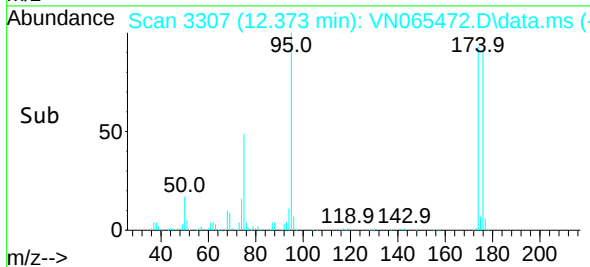
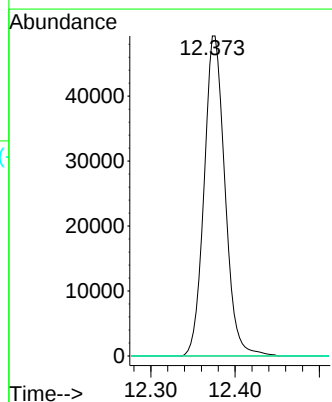
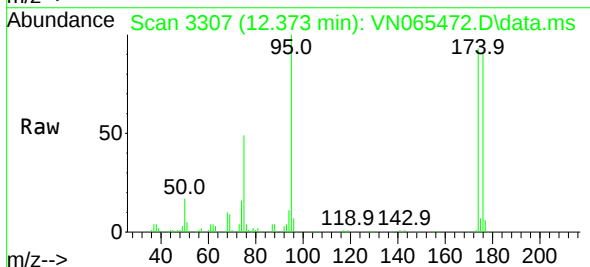
Instrument :
MSVOA_N
ClientSampleId :

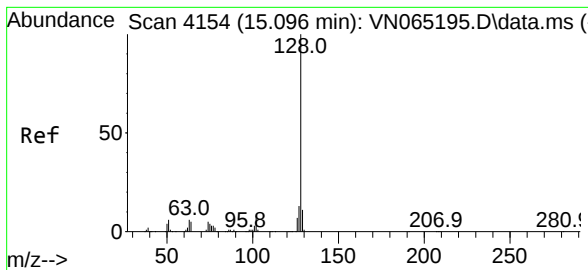
Tgt Ion: 75 Resp: 84937
Ion Ratio Lower Upper
75 100
77 1.2 0.0 0.0#



#81
trans-1,4-Dichloro-2-butene
Concen: 64.93 ug/l
RT: 12.373 min Scan# 3307
Delta R.T. 0.100 min
Lab File: VN065472.D
Acq: 11 Jan 2021 16:54

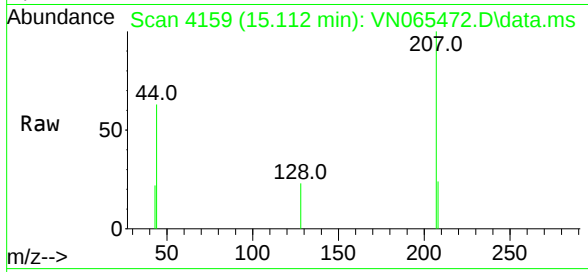
Tgt Ion: 75 Resp: 84937
Ion Ratio Lower Upper
75 100
53 0.0 67.0 100.4#
89 0.0 39.6 59.4#





#95
Naphthalene
Concen: 3.38 ug/l
RT: 15.112 min Scan# 4159
Delta R.T. 0.016 min
Lab File: VN065472.D
Acq: 11 Jan 2021 16:54

Instrument :
MSVOA_N
ClientSampleId :



Tgt Ion:128 Resp: 65
Ion Ratio Lower Upper
128 100
127 0.0 10.3 15.5#
129 0.0 8.7 13.1#

