

Data Path : Z:\voasrv\HPCHEM1\MSVOA_N\Data\VN011521\
 Data File : VN065531.D
 Acq On : 15 Jan 2021 18:51
 Operator : JC/MD
 Sample : M1141-21
 Misc : 5.00mL/MSVOA_N/WATER
 ALS Vial : 16 Sample Multiplier: 1

Instrument :
 MSVOA_N
 ClientSampleId :
 T872-T871

Quant Time: Jan 15 23:44:21 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)

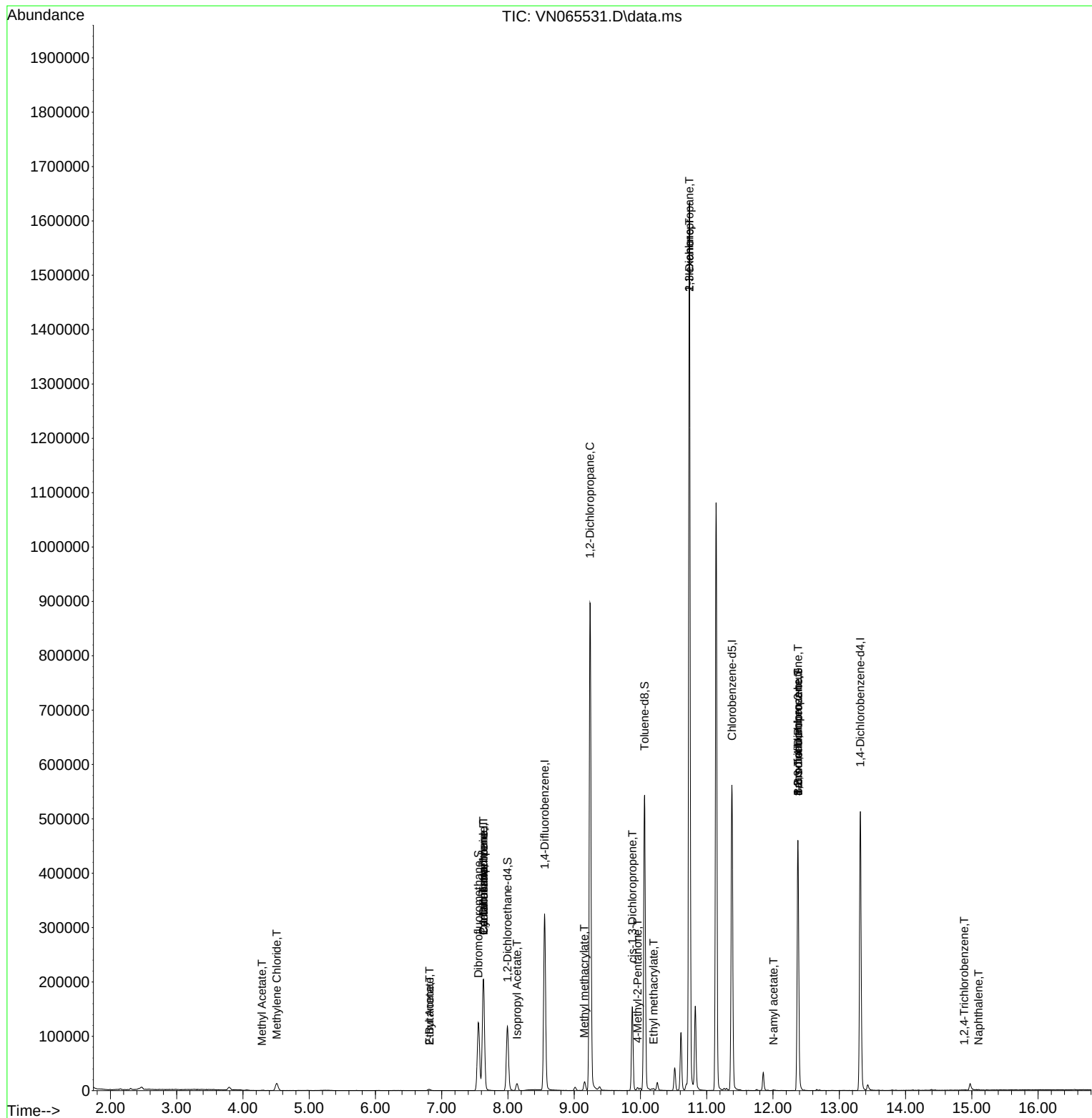
Internal Standards						
1) Pentafluorobenzene	7.630	168	191776	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	8.553	114	317235	50.00	ug/l	0.00
63) Chlorobenzene-d5	11.379	117	355540	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.318	152	160590	50.00	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	7.994	65	102614	47.40	ug/l	0.00
Spiked Amount 50.000	Range 61 - 141		Recovery =	94.80%		
35) Dibromofluoromethane	7.553	113	97743	51.07	ug/l	0.00
Spiked Amount 50.000	Range 69 - 133		Recovery =	102.14%		
50) Toluene-d8	10.061	98	403159	56.20	ug/l	0.00
Spiked Amount 50.000	Range 65 - 126		Recovery =	112.40%		
62) 4-Bromofluorobenzene	12.376	95	158905	55.40	ug/l	0.00
Spiked Amount 50.000	Range 58 - 135		Recovery =	110.80%		
Target Compounds					Qvalue	
16) Acetone	3.795	43	8992	Below Cal		99
18) Methyl Acetate	4.286	43	439	0.23 ug/l #		50
20) Methylene Chloride	4.512	84	10663	5.05 ug/l		97
25) 2-Butanone	6.817	43	926	0.76 ug/l #		49
31) Cyclohexane	7.630	56	2812	0.88 ug/l #		1
36) 1,1-Dichloropropene	7.627	75	11480	3.98 ug/l #		49
37) Ethyl Acetate	6.817	43	926	0.32 ug/l #		66
38) Carbon Tetrachloride	7.627	117	15778	5.21 ug/l #		17
43) Isopropyl Acetate	8.135	43	15328	3.11 ug/l		98
45) 1,2-Dichloropropane	9.238	63	1058	0.47 ug/l #		43
48) Methyl methacrylate	9.151	41	3847	1.61 ug/l #		12
51) 4-Methyl-2-Pentanone	9.955	43	4066	1.47 ug/l #		86
54) cis-1,3-Dichloropropene	9.878	75	30065	7.86 ug/l #		60
56) Ethyl methacrylate	10.199	69	2010	0.61 ug/l #		81
57) 1,3-Dichloropropane	10.736	76	17827	5.05 ug/l #		42
59) 2-Hexanone	10.736	43	224057	110.01 ug/l #		50
71) Bromoform	12.376	173	1130	0.47 ug/l #		1
74) N-amyl acetate	12.006	43	1878	0.39 ug/l #		42
76) 1,2,3-Trichloropropane	12.376	75	74843	22.84 ug/l #		100
81) trans-1,4-Dichloro-2-b...	12.376	75	74843	57.60 ug/l #		15
93) 1,2,4-Trichlorobenzene	14.884	180	321	2.93 ug/l #		81
95) Naphthalene	15.103	128	369	3.41 ug/l #		69

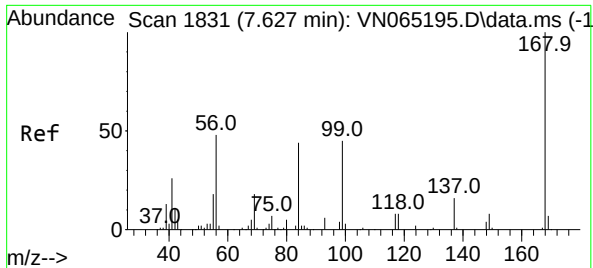
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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Response via : Initial Calibration

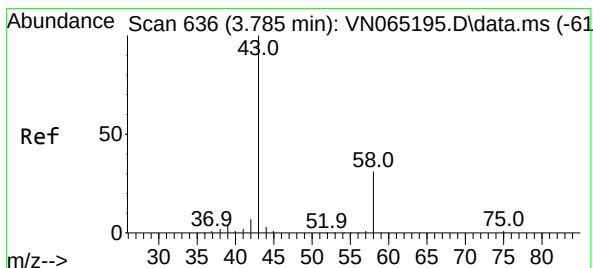
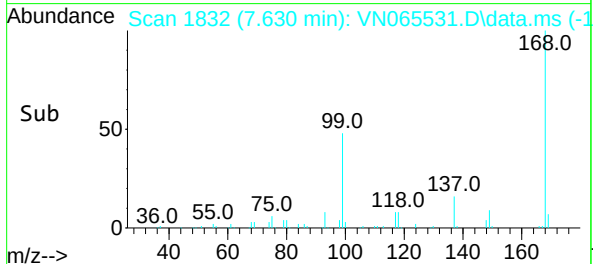
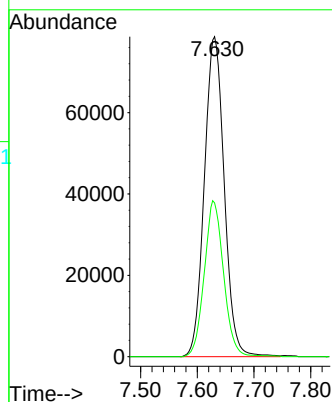
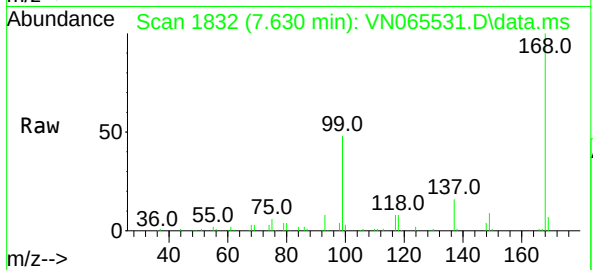




#1
Pentafluorobenzene
Concen: 50.00 ug/l
RT: 7.630 min Scan# 1832
Delta R.T. 0.003 min
Lab File: VN065531.D
Acq: 15 Jan 2021 18:51

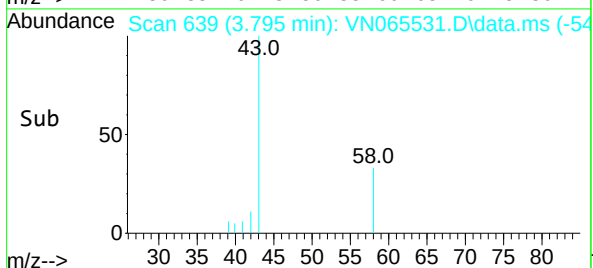
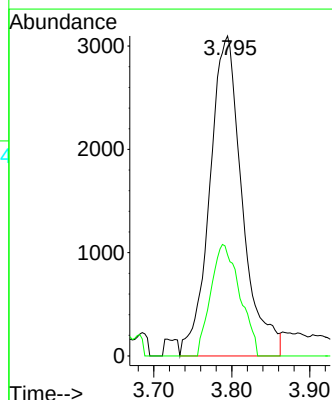
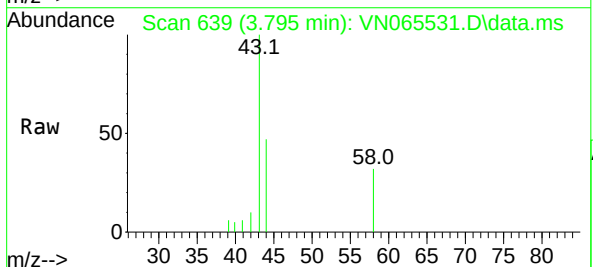
Instrument :
MSVOA_N
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T872-T871

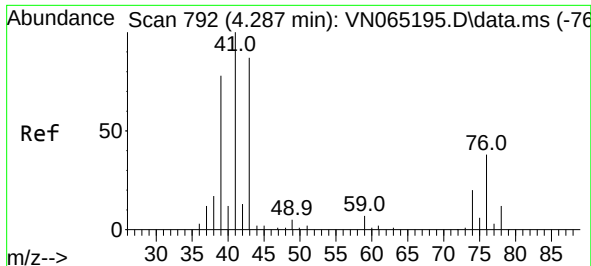
Tgt Ion:168 Resp: 191776
Ion Ratio Lower Upper
168 100
99 48.0 43.0 64.4



#16
Acetone
Concen: Below Cal
RT: 3.795 min Scan# 639
Delta R.T. 0.010 min
Lab File: VN065531.D
Acq: 15 Jan 2021 18:51

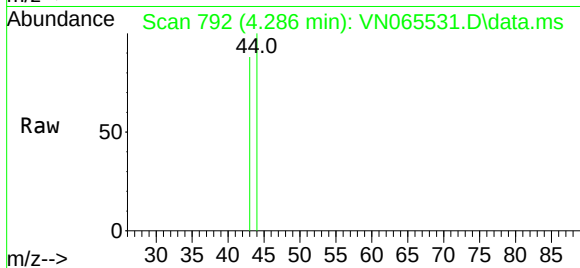
Tgt Ion: 43 Resp: 8992
Ion Ratio Lower Upper
43 100
58 31.6 25.7 38.5



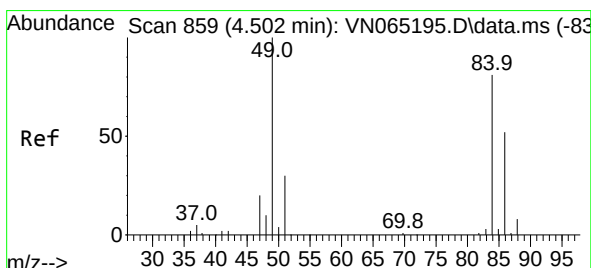
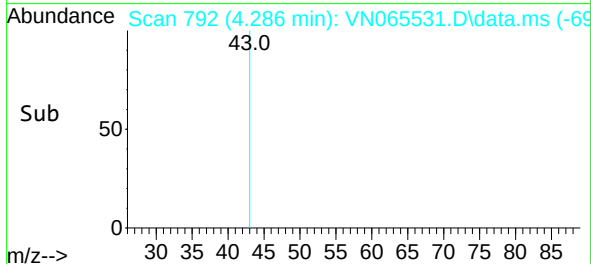
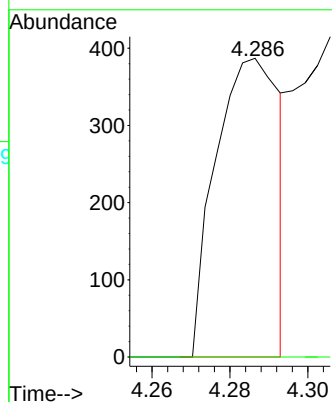


#18
Methyl Acetate
Concen: 0.23 ug/l
RT: 4.286 min Scan# 792
Delta R.T. -0.001 min
Lab File: VN065531.D
Acq: 15 Jan 2021 18:51

Instrument :
MSVOA_N
ClientSampled :
T872-T871

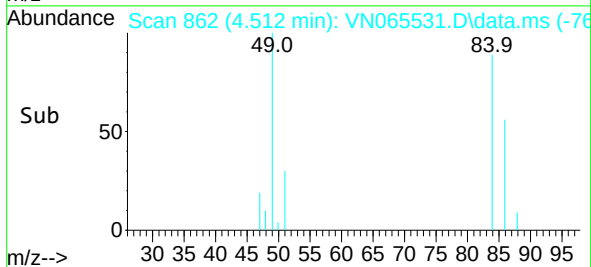
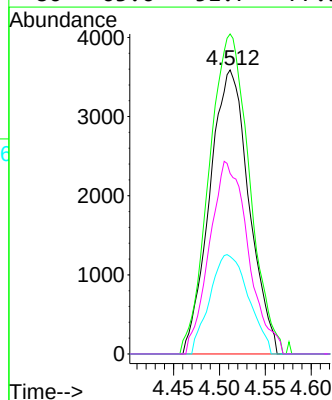
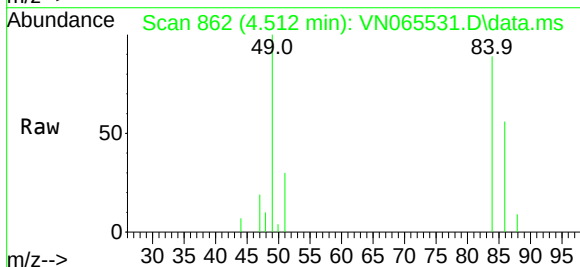


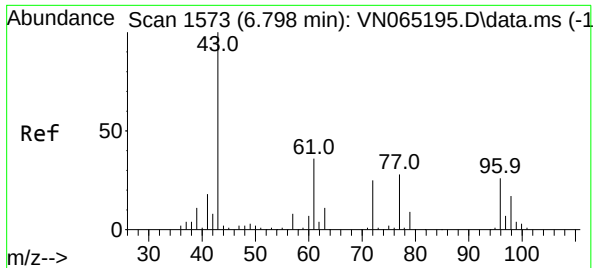
Tgt Ion: 43 Resp: 439
Ion Ratio Lower Upper
43 100
74 0.0 20.2 30.2#



#20
Methylene Chloride
Concen: 5.05 ug/l
RT: 4.512 min Scan# 862
Delta R.T. 0.010 min
Lab File: VN065531.D
Acq: 15 Jan 2021 18:51

Tgt Ion: 84 Resp: 10663
Ion Ratio Lower Upper
84 100
49 112.7 93.4 140.0
51 34.3 28.2 42.4
86 63.6 51.7 77.5

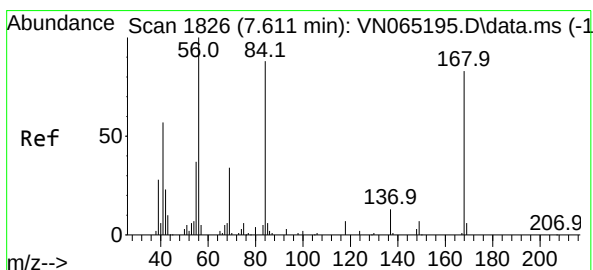
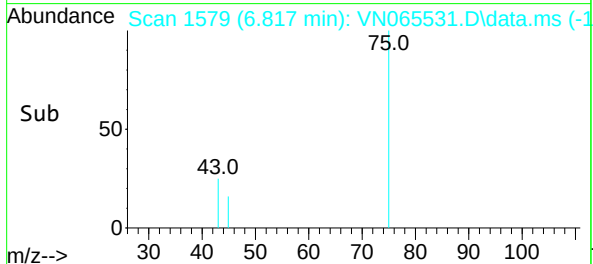
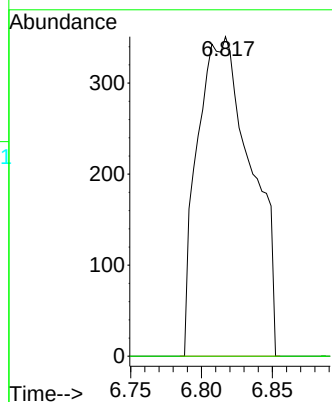
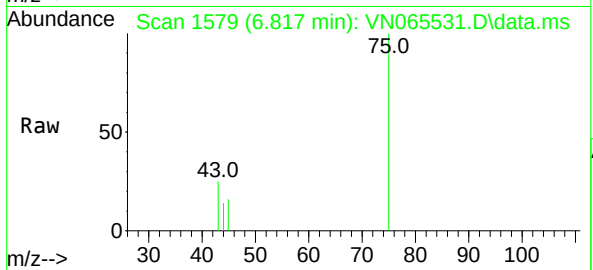




#25
2-Butanone
Concen: 0.76 ug/l
RT: 6.817 min Scan# 1579
Delta R.T. 0.019 min
Lab File: VN065531.D
Acq: 15 Jan 2021 18:51

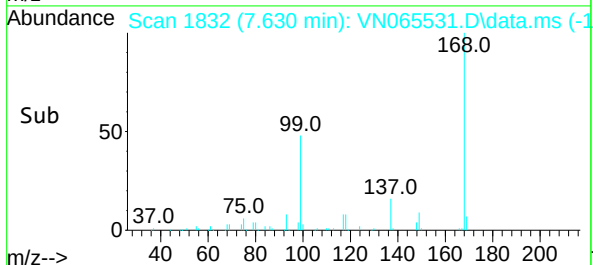
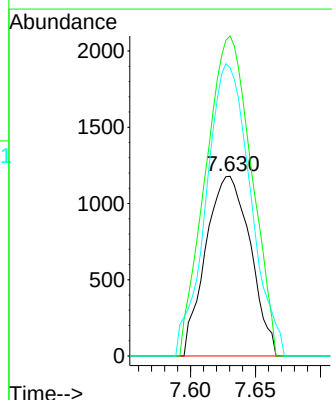
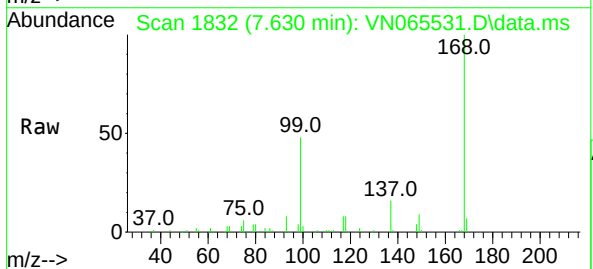
Instrument :
MSVOA_N
ClientSampled :
T872-T871

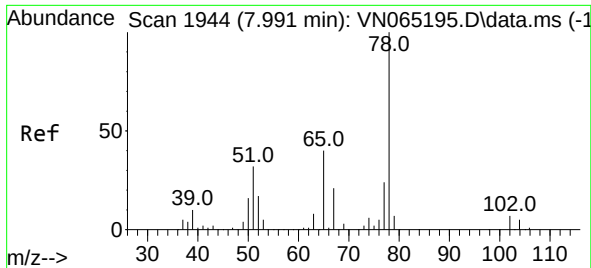
Tgt Ion: 43 Resp: 926
Ion Ratio Lower Upper
43 100
72 0.0 21.0 31.6#



#31
Cyclohexane
Concen: 0.88 ug/l
RT: 7.630 min Scan# 1832
Delta R.T. 0.019 min
Lab File: VN065531.D
Acq: 15 Jan 2021 18:51

Tgt Ion: 56 Resp: 2812
Ion Ratio Lower Upper
56 100
69 178.0 27.5 41.3#
84 147.5 73.9 110.9#

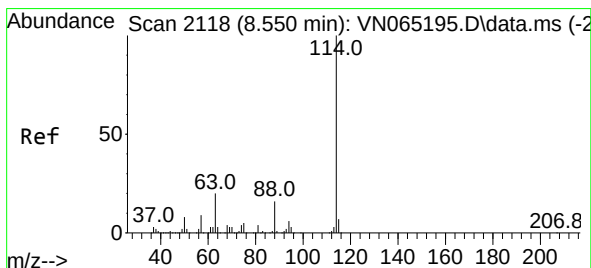
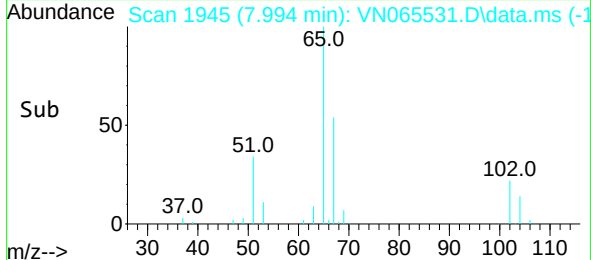
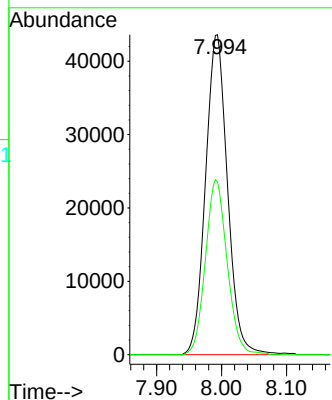
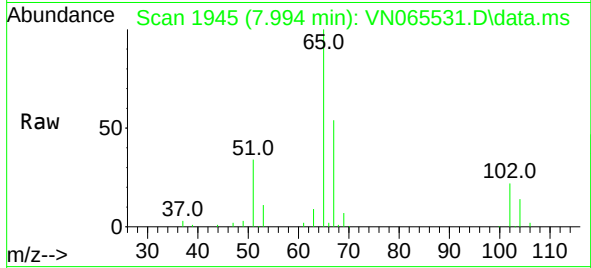




#33
1,2-Dichloroethane-d4
Concen: 47.40 ug/l
RT: 7.994 min Scan# 1945
Delta R.T. 0.003 min
Lab File: VN065531.D
Acq: 15 Jan 2021 18:51

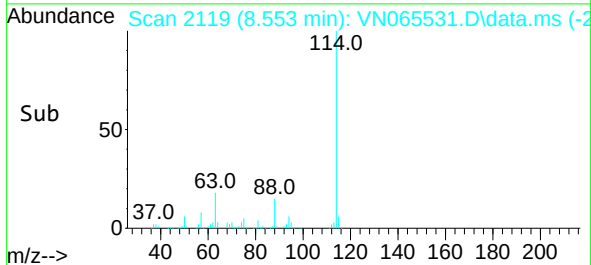
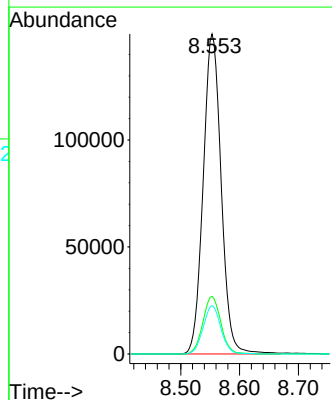
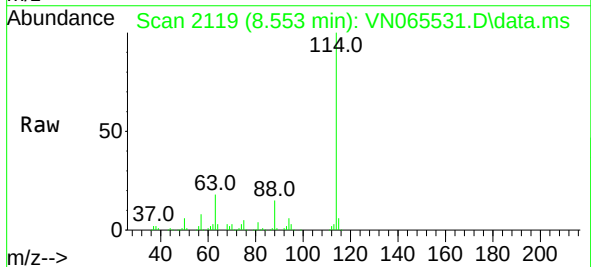
Instrument :
MSVOA_N
ClientSampleId :
T872-T871

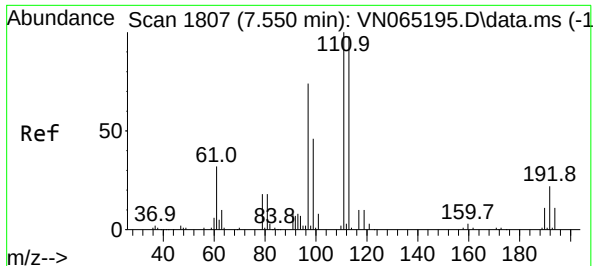
Tgt Ion: 65 Resp: 102614
Ion Ratio Lower Upper
65 100
67 54.0 0.0 108.2



#34
1,4-Difluorobenzene
Concen: 50.00 ug/l
RT: 8.553 min Scan# 2119
Delta R.T. 0.003 min
Lab File: VN065531.D
Acq: 15 Jan 2021 18:51

Tgt Ion: 114 Resp: 317235
Ion Ratio Lower Upper
114 100
63 18.0 0.0 38.6
88 15.1 0.0 32.6

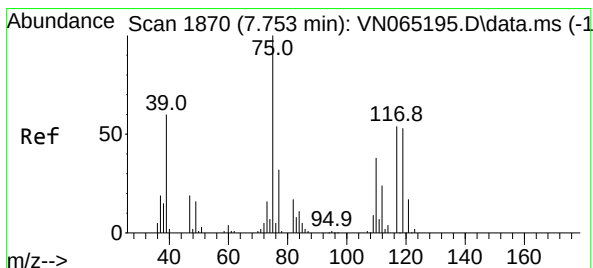
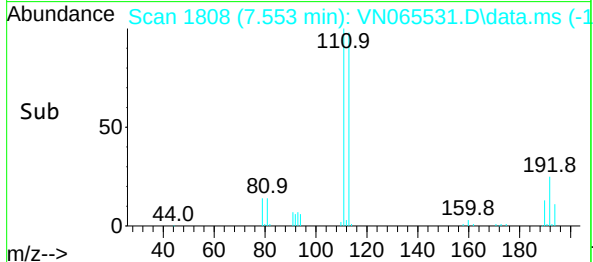
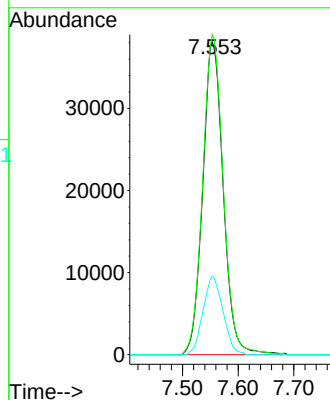
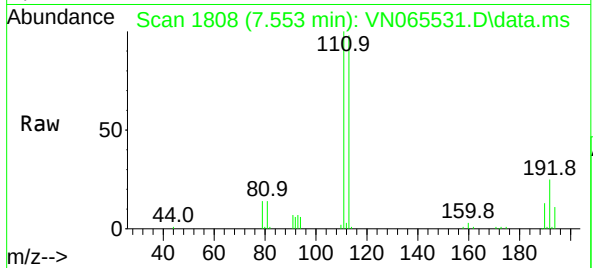




#35
Dibromofluoromethane
Concen: 51.07 ug/l
RT: 7.553 min Scan# 1808
Delta R.T. 0.003 min
Lab File: VN065531.D
Acq: 15 Jan 2021 18:51

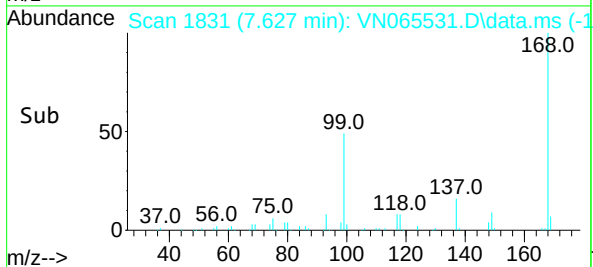
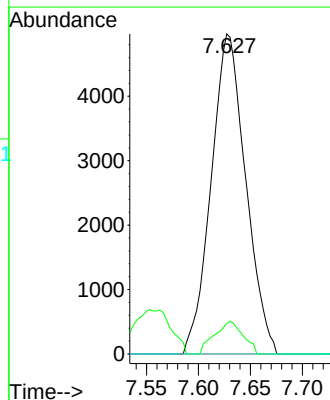
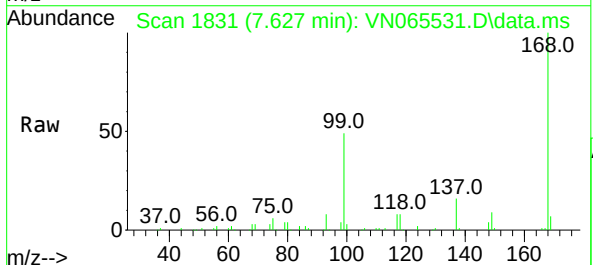
Instrument :
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ClientSampleId :
T872-T871

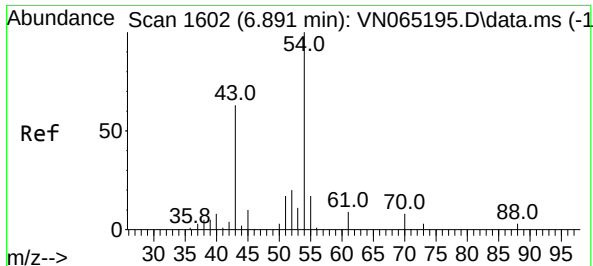
Tgt Ion:113 Resp: 97743
Ion Ratio Lower Upper
113 100
111 102.4 81.6 122.4
192 24.3 16.2 24.2#



#36
1,1-Dichloropropene
Concen: 3.98 ug/l
RT: 7.627 min Scan# 1831
Delta R.T. -0.126 min
Lab File: VN065531.D
Acq: 15 Jan 2021 18:51

Tgt Ion: 75 Resp: 11480
Ion Ratio Lower Upper
75 100
110 8.4 17.8 53.3#
77 0.0 25.0 37.4#





#37

Ethyl Acetate

Concen: 0.32 ug/l

RT: 6.817 min Scan# 1579

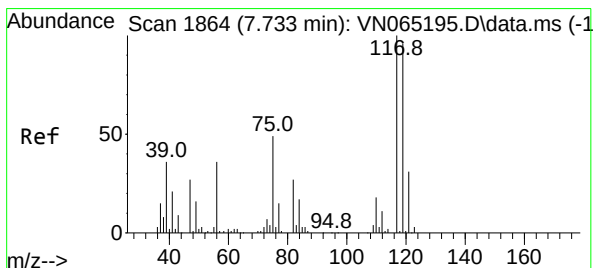
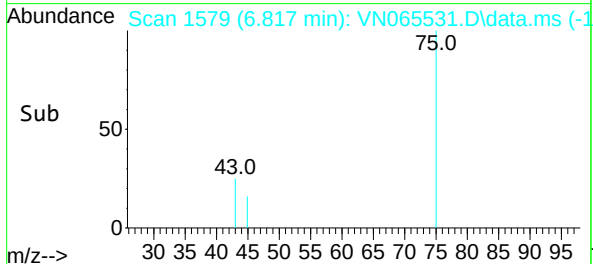
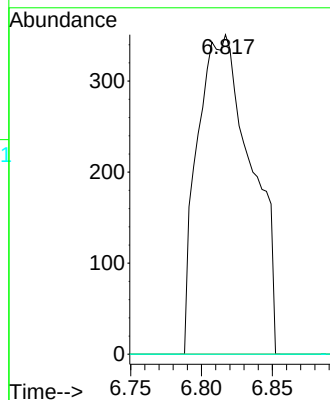
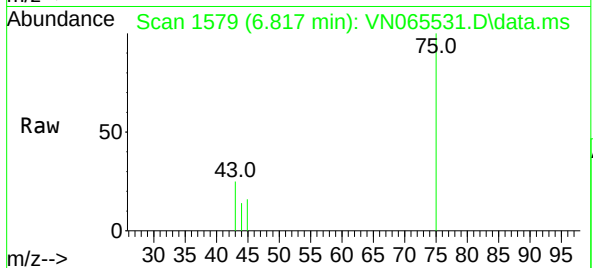
Delta R.T. -0.074 min

Lab File: VN065531.D

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Instrument :
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ClientSampled :
T872-T871

Tgt Ion: 43	Resp: 926
Ion Ratio	Lower Upper
43 100	
61 0.0	12.8 19.2#
70 0.0	8.8 13.2#



#38

Carbon Tetrachloride

Concen: 5.21 ug/l

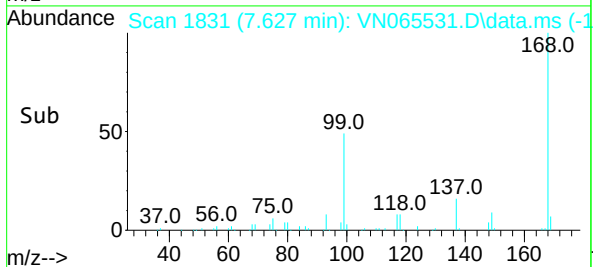
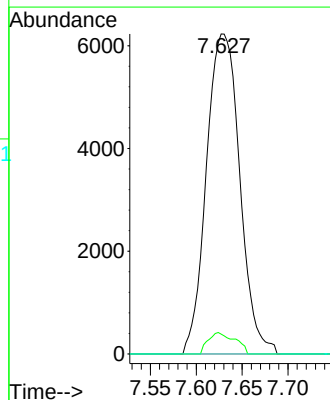
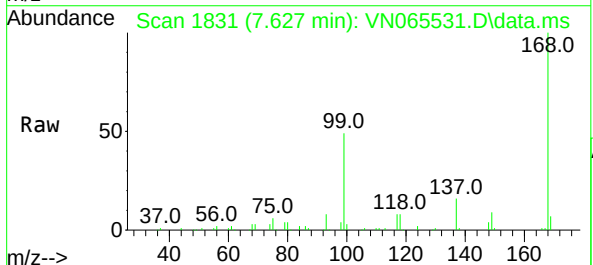
RT: 7.627 min Scan# 1831

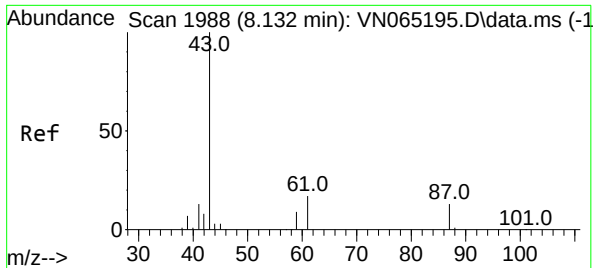
Delta R.T. -0.106 min

Lab File: VN065531.D

Acq: 15 Jan 2021 18:51

Tgt Ion:117	Resp:	15778	
Ion	Ratio	Lower	Upper
117	100		
119	6.2	76.7	115.1#
121	0.0	25.4	38.2#

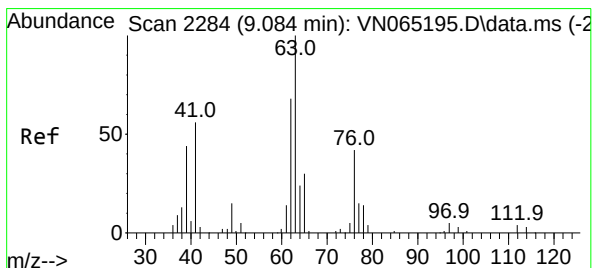
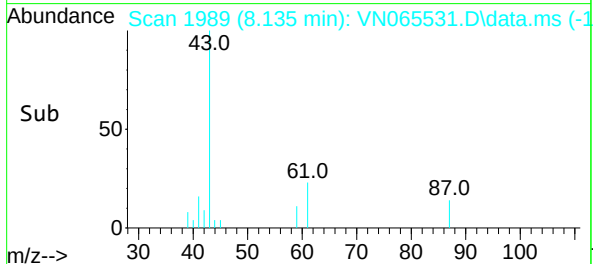
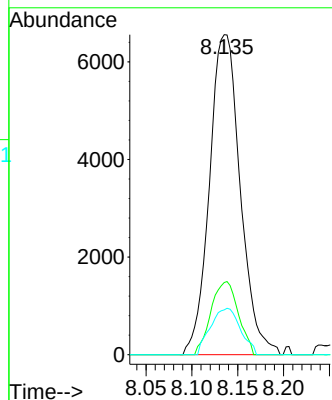
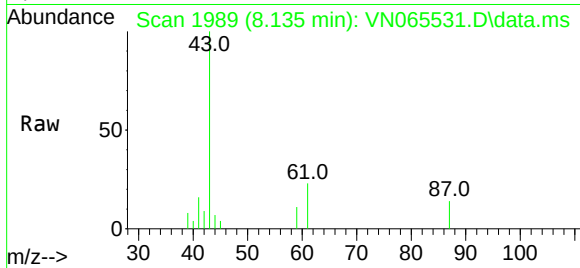




#43
Isopropyl Acetate
Concen: 3.11 ug/l
RT: 8.135 min Scan# 1989
Delta R.T. 0.003 min
Lab File: VN065531.D
Acq: 15 Jan 2021 18:51

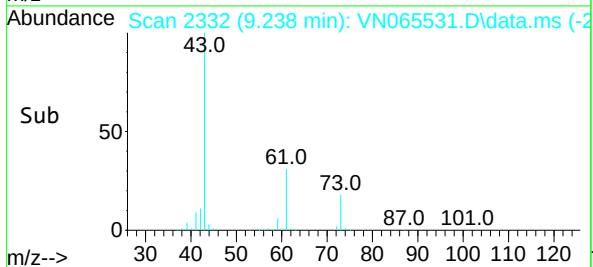
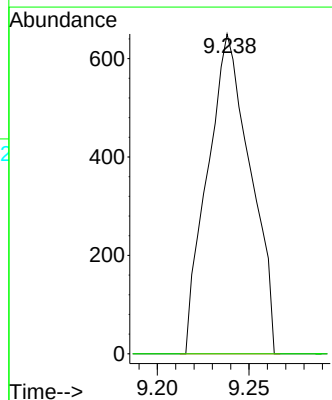
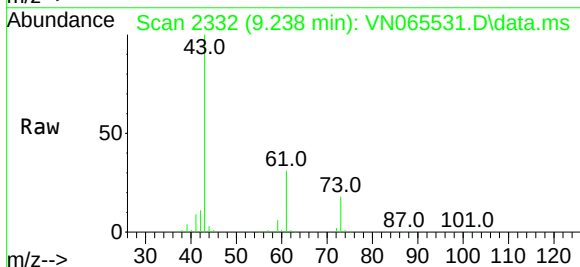
Instrument :
MSVOA_N
ClientSampled :
T872-T871

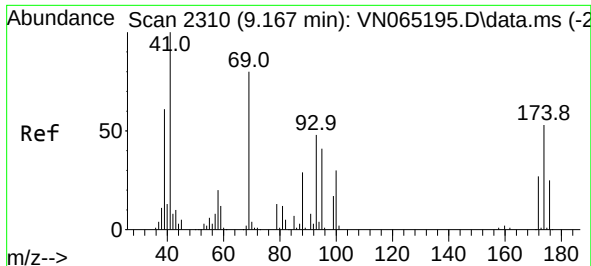
Tgt Ion:	43	Resp:	15328
Ion	Ratio	Lower	Upper
43	100		
61	20.3	17.2	25.8
87	14.0	11.4	17.0



#45
1,2-Dichloropropane
Concen: 0.47 ug/l
RT: 9.238 min Scan# 2332
Delta R.T. 0.154 min
Lab File: VN065531.D
Acq: 15 Jan 2021 18:51

Tgt Ion:	63	Resp:	1058
Ion	Ratio	Lower	Upper
63	100		
65	0.0	25.0	37.4#

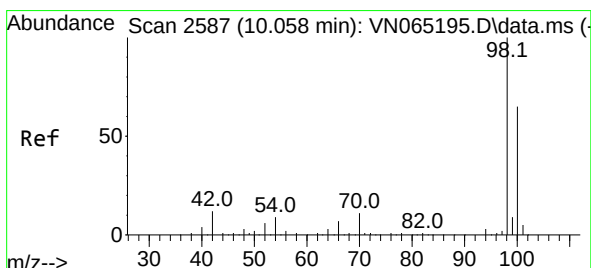
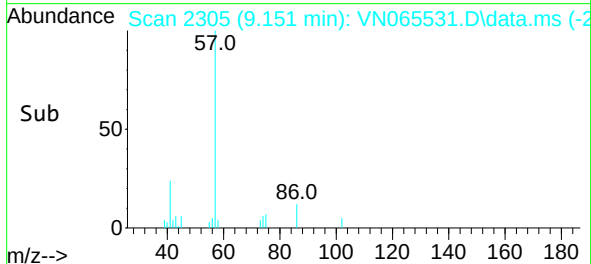
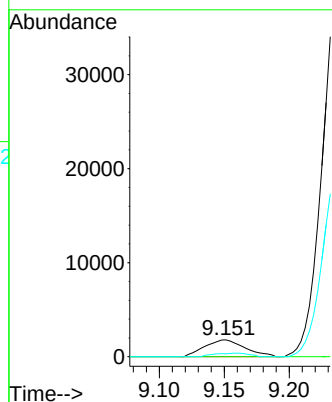
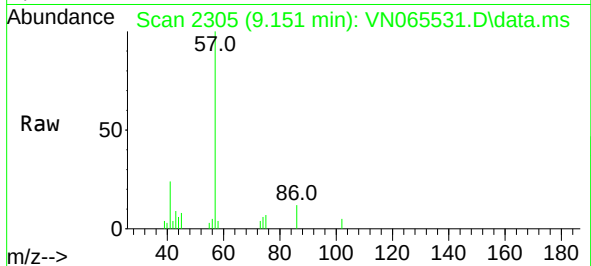




#48
Methyl methacrylate
Concen: 1.61 ug/l
RT: 9.151 min Scan# 2305
Delta R.T. -0.016 min
Lab File: VN065531.D
Acq: 15 Jan 2021 18:51

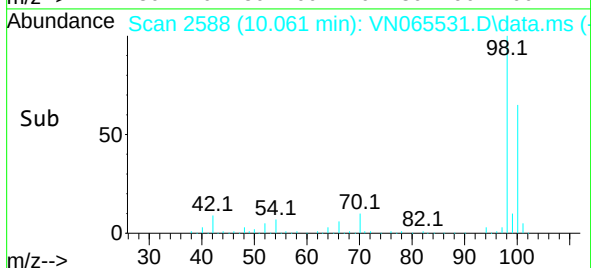
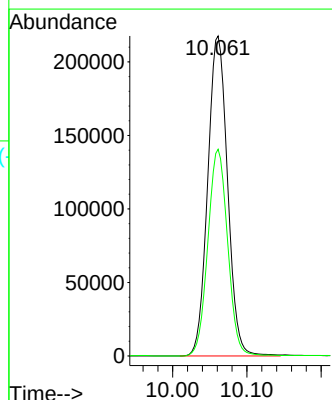
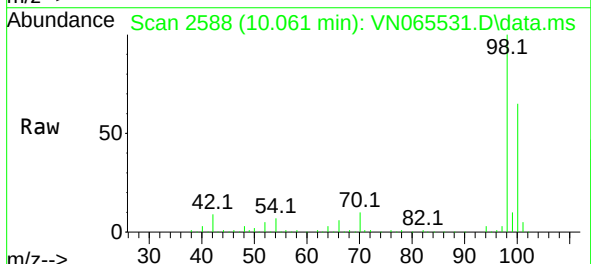
Instrument :
MSVOA_N
ClientSampled :
T872-T871

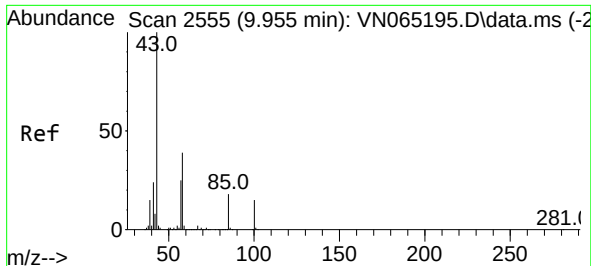
Tgt Ion: 41 Resp: 3847
Ion Ratio Lower Upper
41 100
69 0.0 71.8 107.8#
39 0.0 44.1 66.1#



#50
Toluene-d8
Concen: 56.20 ug/l
RT: 10.061 min Scan# 2588
Delta R.T. 0.003 min
Lab File: VN065531.D
Acq: 15 Jan 2021 18:51

Tgt Ion: 98 Resp: 403159
Ion Ratio Lower Upper
98 100
100 64.4 51.7 77.5

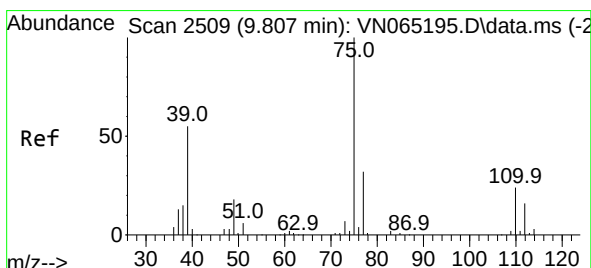
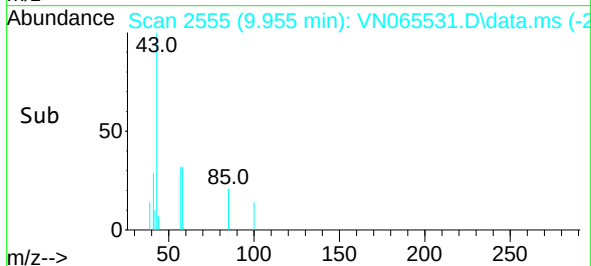
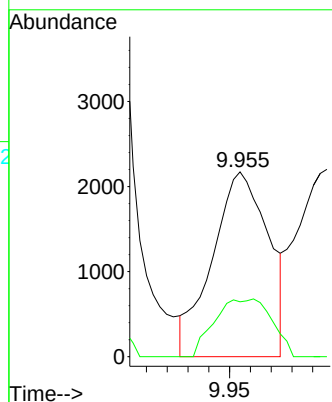
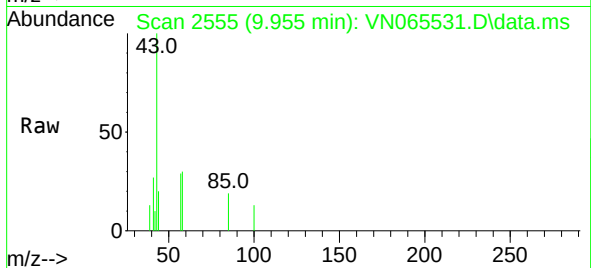




#51
4-Methyl-2-Pentanone
Concen: 1.47 ug/l
RT: 9.955 min Scan# 2555
Delta R.T. 0.000 min
Lab File: VN065531.D
Acq: 15 Jan 2021 18:51

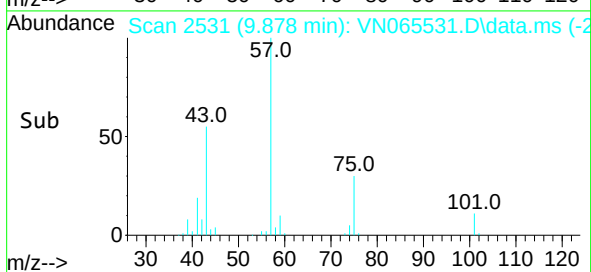
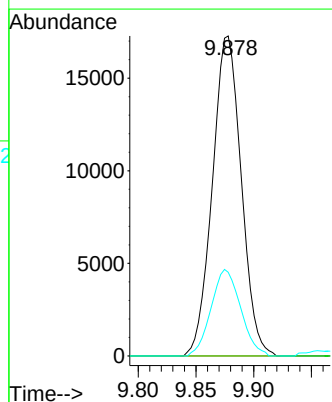
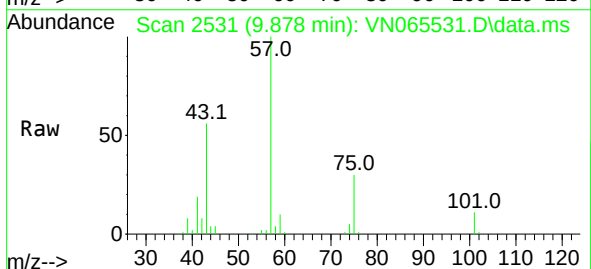
Instrument :
MSVOA_N
ClientSampleId :
T872-T871

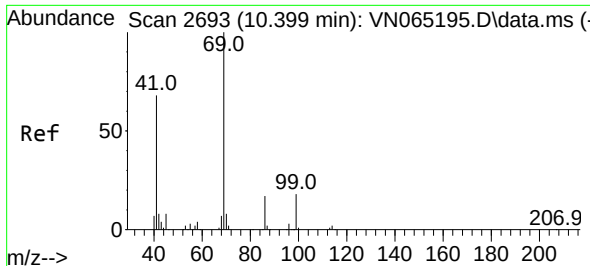
Tgt Ion: 43 Resp: 4066
Ion Ratio Lower Upper
43 100
58 31.8 32.4 48.6#



#54
cis-1,3-Dichloropropene
Concen: 7.86 ug/l
RT: 9.878 min Scan# 2531
Delta R.T. 0.071 min
Lab File: VN065531.D
Acq: 15 Jan 2021 18:51

Tgt Ion: 75 Resp: 30065
Ion Ratio Lower Upper
75 100
77 0.0 25.5 38.3#
39 26.2 35.6 53.4#

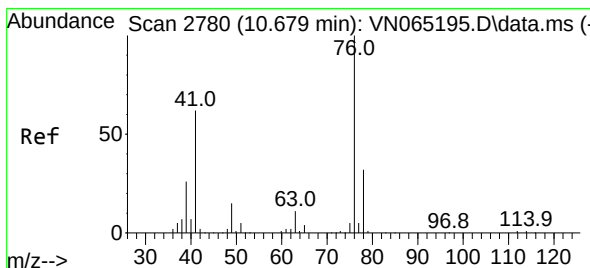
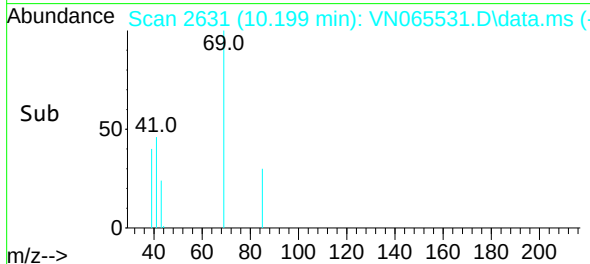
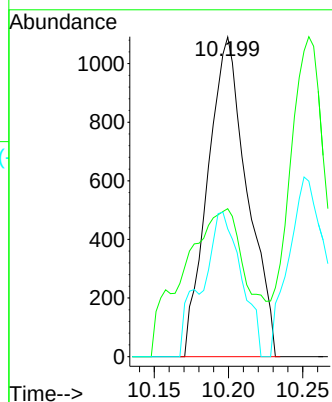
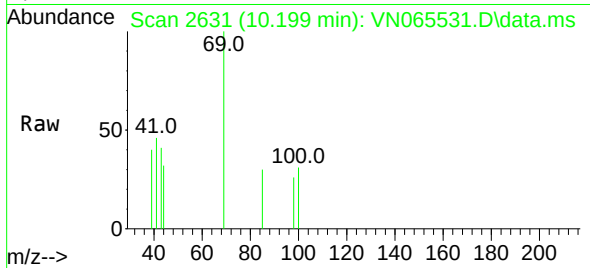




#56
Ethyl methacrylate
Concen: 0.61 ug/l
RT: 10.199 min Scan# 2631
Delta R.T. -0.200 min
Lab File: VN065531.D
Acq: 15 Jan 2021 18:51

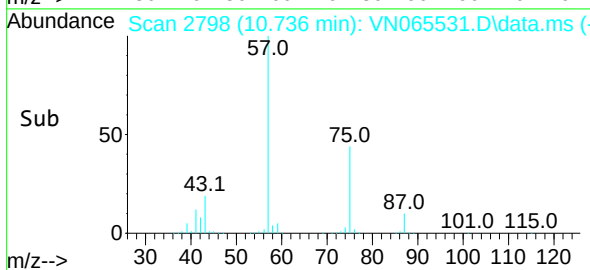
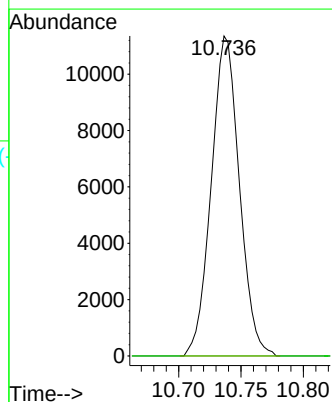
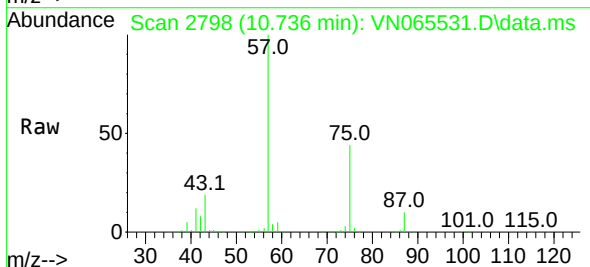
Instrument :
MSVOA_N
ClientSampled :
T872-T871

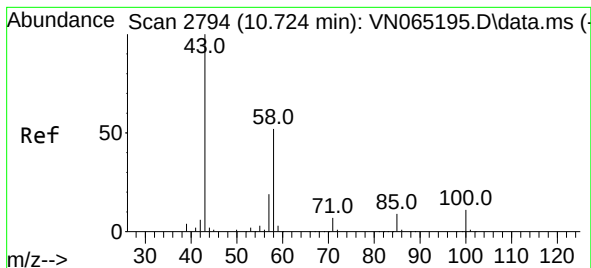
Tgt Ion: 69 Resp: 2010
Ion Ratio Lower Upper
69 100
41 74.8 49.4 74.0#
39 45.4 25.9 38.9#



#57
1,3-Dichloropropane
Concen: 5.05 ug/l
RT: 10.736 min Scan# 2798
Delta R.T. 0.057 min
Lab File: VN065531.D
Acq: 15 Jan 2021 18:51

Tgt Ion: 76 Resp: 17827
Ion Ratio Lower Upper
76 100
78 0.0 26.1 39.1#

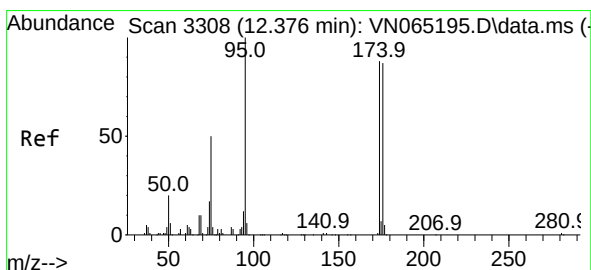
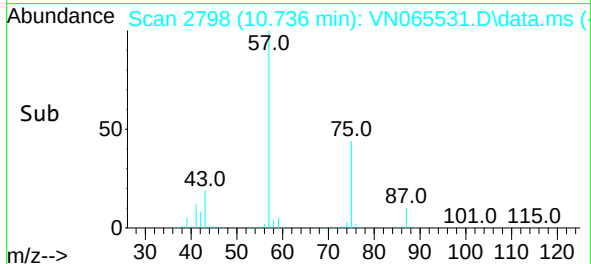
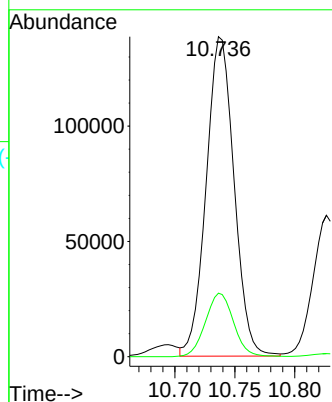
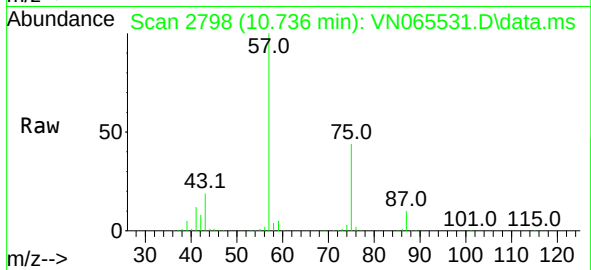




#59
2-Hexanone
Concen: 110.01 ug/l
RT: 10.736 min Scan# 2798
Delta R.T. 0.012 min
Lab File: VN065531.D
Acq: 15 Jan 2021 18:51

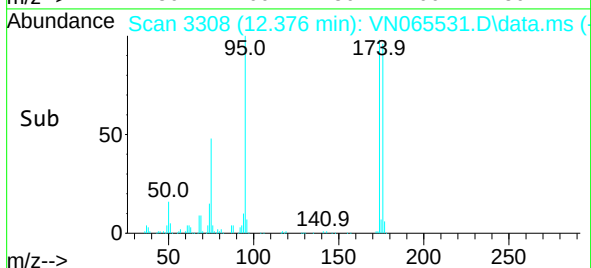
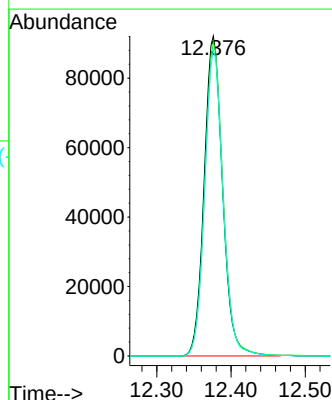
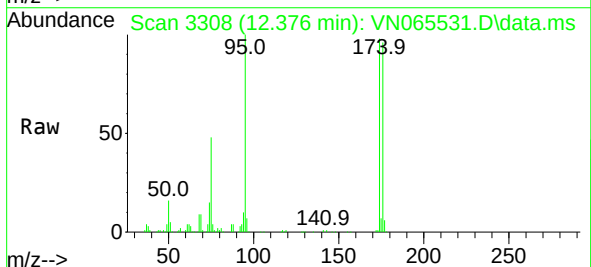
Instrument :
MSVOA_N
ClientSampleId :
T872-T871

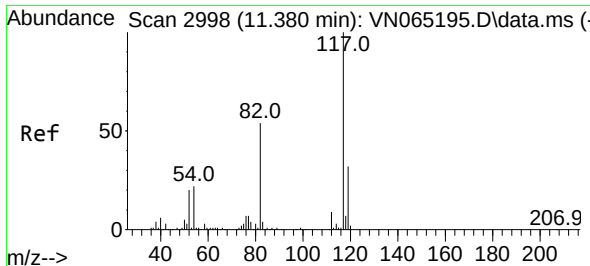
Tgt Ion: 43 Resp: 224057
Ion Ratio Lower Upper
43 100
58 20.1 28.3 84.9#



#62
4-Bromofluorobenzene
Concen: 55.40 ug/l
RT: 12.376 min Scan# 3308
Delta R.T. 0.000 min
Lab File: VN065531.D
Acq: 15 Jan 2021 18:51

Tgt Ion: 95 Resp: 158905
Ion Ratio Lower Upper
95 100
174 98.5 0.0 160.4
176 95.0 0.0 158.4

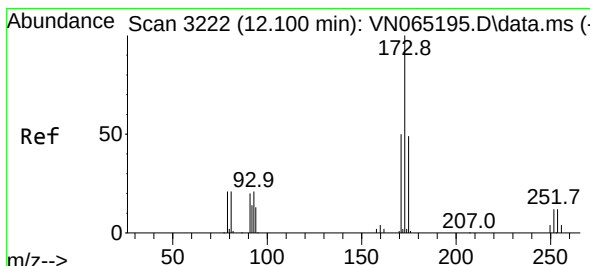
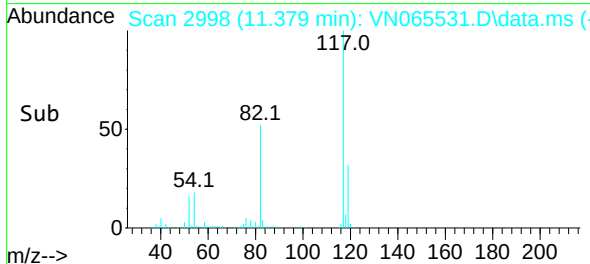
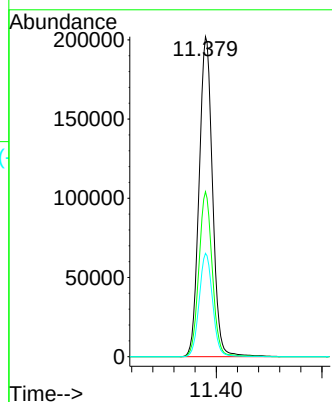
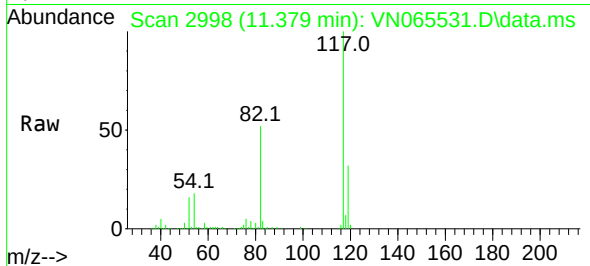




#63
Chlorobenzene-d5
Concen: 50.00 ug/l
RT: 11.379 min Scan# 2998
Delta R.T. -0.001 min
Lab File: VN065531.D
Acq: 15 Jan 2021 18:51

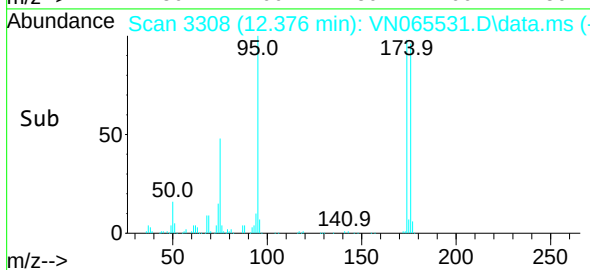
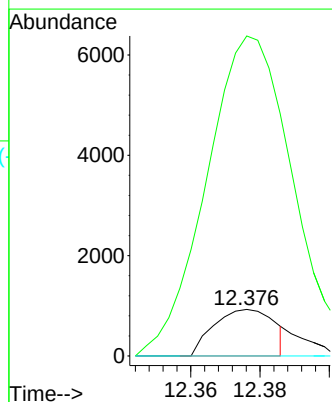
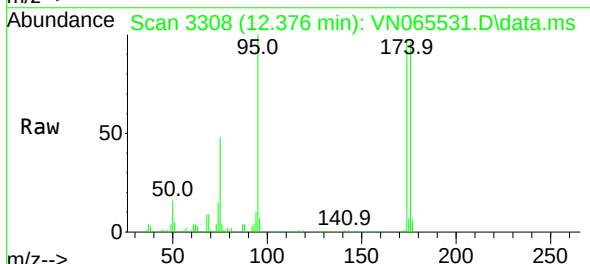
Instrument :
MSVOA_N
ClientSampled :
T872-T871

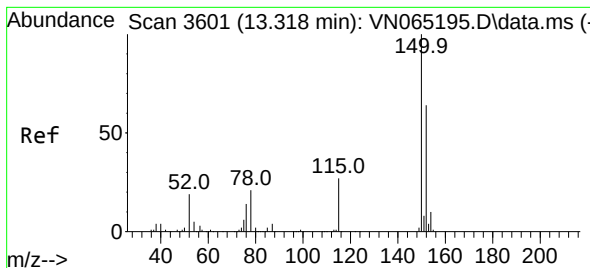
Tgt Ion:117 Resp: 355540
Ion Ratio Lower Upper
117 100
82 51.6 44.2 66.2
119 32.3 25.8 38.6



#71
Bromoform
Concen: 0.47 ug/l
RT: 12.376 min Scan# 3308
Delta R.T. 0.276 min
Lab File: VN065531.D
Acq: 15 Jan 2021 18:51

Tgt Ion:173 Resp: 1130
Ion Ratio Lower Upper
173 100
175 797.6 24.3 72.8#
254 0.0 0.0 0.0

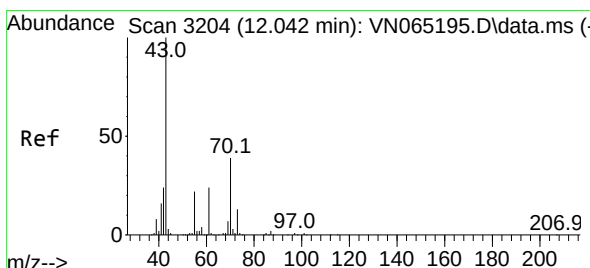
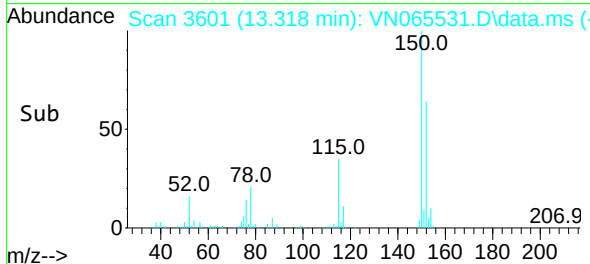
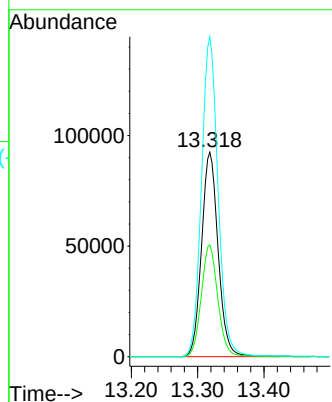
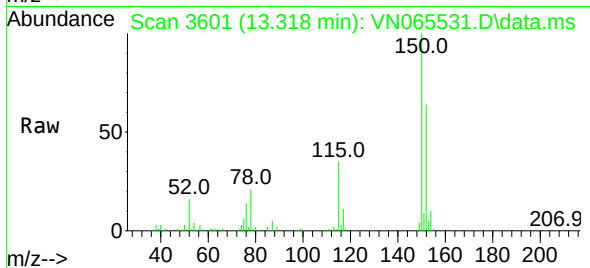




#72
1,4-Dichlorobenzene-d4
Concen: 50.00 ug/l
RT: 13.318 min Scan# 3601
Delta R.T. 0.000 min
Lab File: VN065531.D
Acq: 15 Jan 2021 18:51

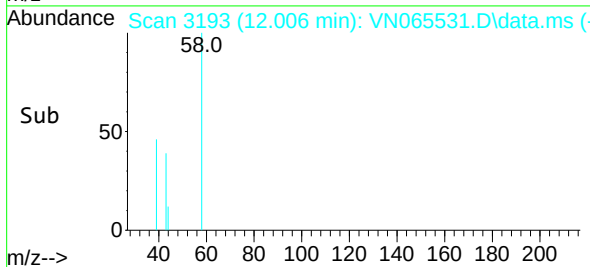
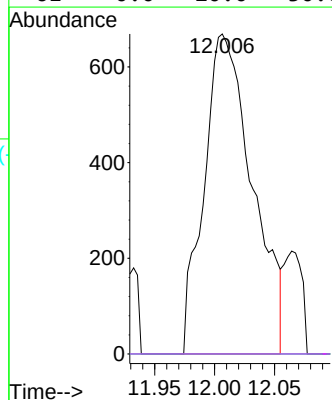
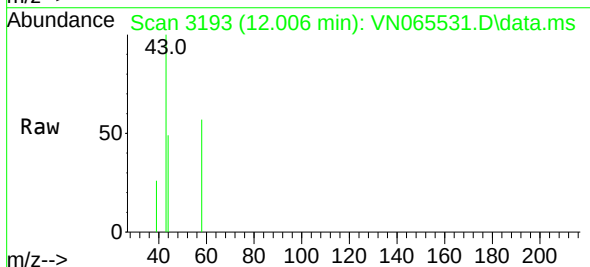
Instrument :
MSVOA_N
ClientSampleId :
T872-T871

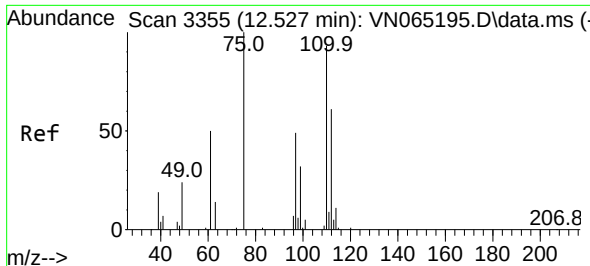
Tgt Ion:152 Resp: 160590
Ion Ratio Lower Upper
152 100
115 54.5 29.7 89.1
150 155.6 0.0 350.6



#74
N-ethyl acetate
Concen: 0.39 ug/l
RT: 12.006 min Scan# 3193
Delta R.T. -0.036 min
Lab File: VN065531.D
Acq: 15 Jan 2021 18:51

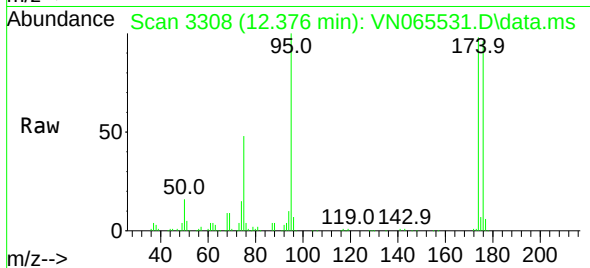
Tgt Ion: 43 Resp: 1878
Ion Ratio Lower Upper
43 100
70 0.0 34.5 51.7#
55 0.0 20.4 30.6#
61 0.0 20.0 30.0#



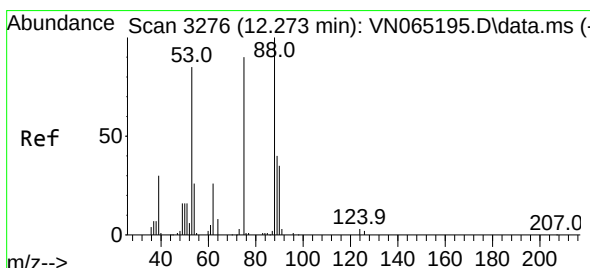
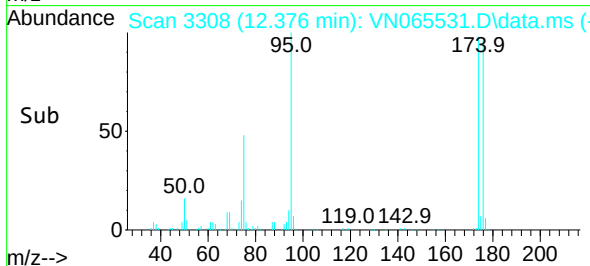
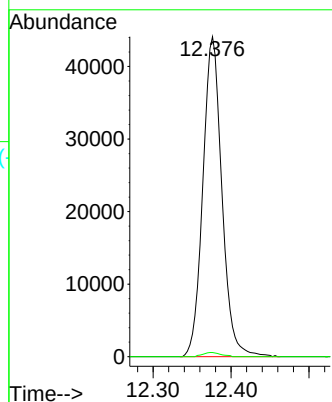


#76
1,2,3-Trichloropropane
Concen: 22.84 ug/l
RT: 12.376 min Scan# 3308
Delta R.T. -0.151 min
Lab File: VN065531.D
Acq: 15 Jan 2021 18:51

Instrument :
MSVOA_N
ClientSampled :
T872-T871

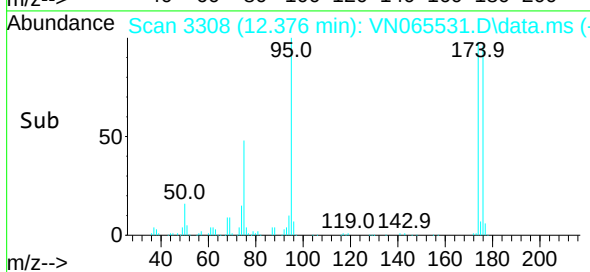
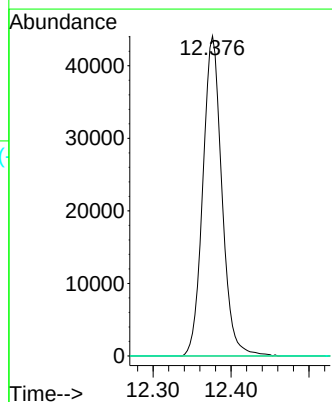
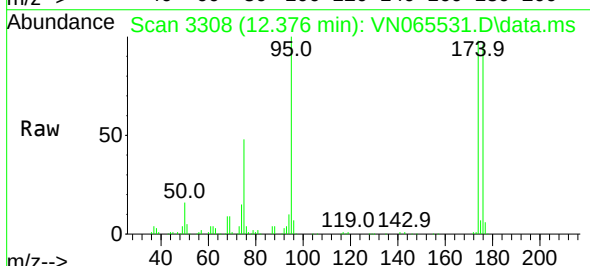


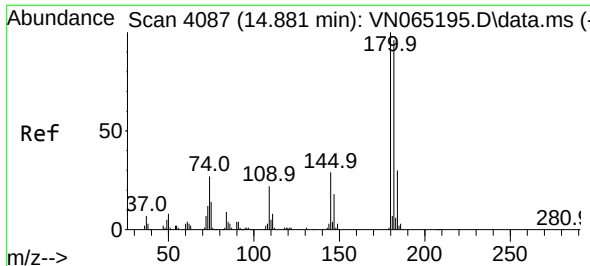
Tgt Ion: 75 Resp: 74843
Ion Ratio Lower Upper
75 100
77 1.3 0.0 0.0#



#81
trans-1,4-Dichloro-2-butene
Concen: 57.60 ug/l
RT: 12.376 min Scan# 3308
Delta R.T. 0.103 min
Lab File: VN065531.D
Acq: 15 Jan 2021 18:51

Tgt Ion: 75 Resp: 74843
Ion Ratio Lower Upper
75 100
53 0.0 67.0 100.4#
89 0.0 39.6 59.4#

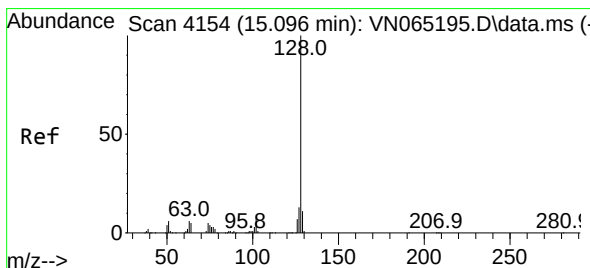
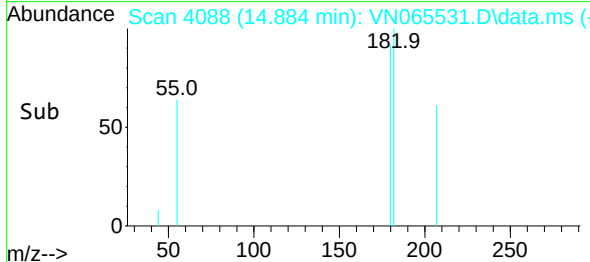
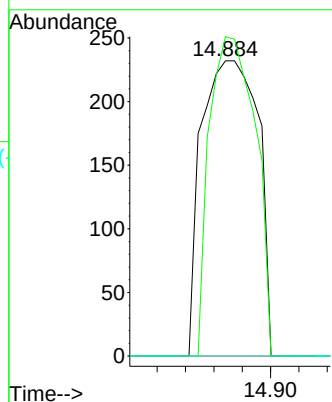
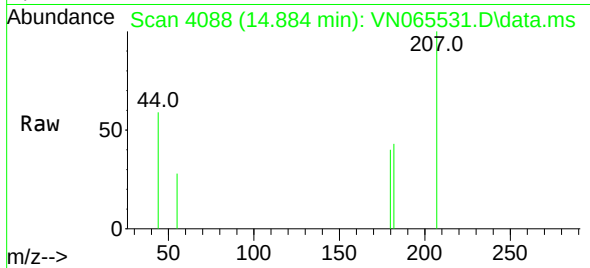




#93
1,2,4-Trichlorobenzene
Concen: 2.93 ug/l
RT: 14.884 min Scan# 4088
Delta R.T. 0.003 min
Lab File: VN065531.D
Acq: 15 Jan 2021 18:51

Instrument :
MSVOA_N
ClientSampleId :
T872-T871

Tgt Ion:180 Resp: 321
Ion Ratio Lower Upper
180 100
182 87.9 47.6 142.9
145 0.0 15.3 45.8#



#95
Naphthalene
Concen: 3.41 ug/l
RT: 15.103 min Scan# 4156
Delta R.T. 0.007 min
Lab File: VN065531.D
Acq: 15 Jan 2021 18:51

Tgt Ion:128 Resp: 369
Ion Ratio Lower Upper
128 100
127 0.0 10.3 15.5#
129 0.0 8.7 13.1#

