

Data Path : Z:\voasrv\HPCHEM1\MSVOA_N\Data\VN011121\
 Data File : VN065480.D
 Acq On : 11 Jan 2021 20:12
 Operator : JC/MD
 Sample : M1044-18
 Misc : 5.00mL/MSVOA_N/WATER
 ALS Vial : 24 Sample Multiplier: 1

Instrument :
 MSVOA_N
 ClientSampleId :

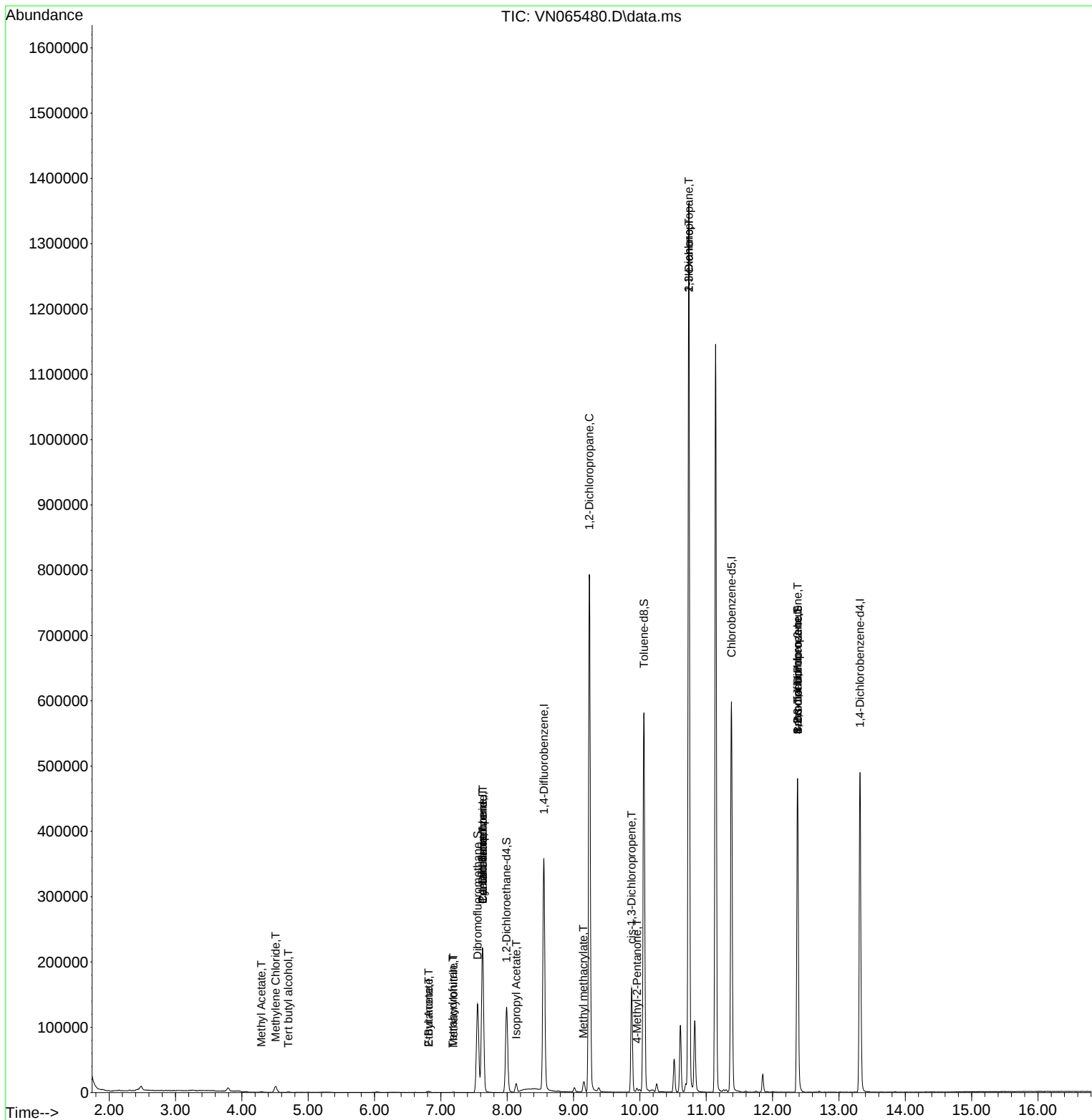
Quant Time: Jan 12 00:12:05 2021
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA_N\methods\82N122220W.M
 Quant Title : SW846 8260
 QLast Update : Tue Dec 22 15:42:18 2020
 Response via : Initial Calibration

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

Internal Standards						
1) Pentafluorobenzene	7.630	168	207451	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	8.553	114	342271	50.00	ug/l	0.00
63) Chlorobenzene-d5	11.379	117	369539	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.318	152	151943	50.00	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	7.990	65	114970	49.09	ug/l	0.00
Spiked Amount 50.000	Range 61 - 141		Recovery =	98.18%		
35) Dibromofluoromethane	7.553	113	104863	50.78	ug/l	0.00
Spiked Amount 50.000	Range 69 - 133		Recovery =	101.56%		
50) Toluene-d8	10.061	98	424338	54.83	ug/l	0.00
Spiked Amount 50.000	Range 65 - 126		Recovery =	109.66%		
62) 4-Bromofluorobenzene	12.376	95	168533	54.54	ug/l	0.00
Spiked Amount 50.000	Range 58 - 135		Recovery =	109.08%		
Target Compounds					Qvalue	
11) Tert butyl alcohol	4.701	59	629	1.64	ug/l #	73
16) Acetone	3.788	43	7339	Below Cal	#	86
18) Methyl Acetate	4.293	43	2084	0.99	ug/l #	62
20) Methylene Chloride	4.512	84	7565	3.31	ug/l	98
25) 2-Butanone	6.814	43	1492	1.13	ug/l #	49
29) Tetrahydrofuran	7.180	42	343	0.40	ug/l #	32
31) Cyclohexane	7.630	56	3004	0.87	ug/l #	1
36) 1,1-Dichloropropene	7.627	75	12878	4.14	ug/l #	49
37) Ethyl Acetate	6.814	43	1492	0.48	ug/l #	66
38) Carbon Tetrachloride	7.630	117	16791	5.14	ug/l #	16
41) Methacrylonitrile	7.190	41	425	0.26	ug/l #	13
43) Isopropyl Acetate	8.135	43	16107	3.03	ug/l	97
45) 1,2-Dichloropropane	9.238	63	866	0.36	ug/l #	43
48) Methyl methacrylate	9.148	41	3878	1.50	ug/l #	12
51) 4-Methyl-2-Pentanone	9.955	43	3984	1.33	ug/l	98
54) cis-1,3-Dichloropropene	9.875	75	30010	7.27	ug/l #	61
57) 1,3-Dichloropropane	10.736	76	14391	3.78	ug/l #	42
59) 2-Hexanone	10.736	43	191506	87.15	ug/l #	49
71) Bromoform	12.376	173	1104	0.44	ug/l #	1
76) 1,2,3-Trichloropropane	12.376	75	78330	25.27	ug/l #	100
81) trans-1,4-Dichloro-2-b...	12.376	75	78330	63.72	ug/l #	15

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

Quant Time: Jan 12 00:12:05 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

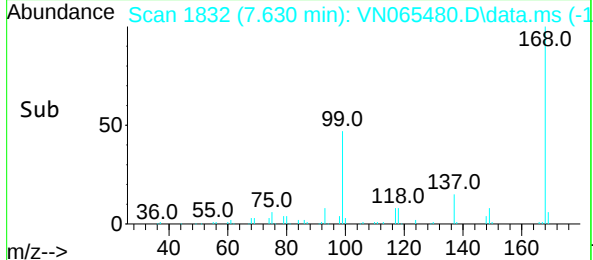
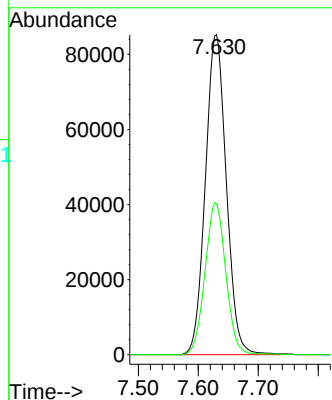
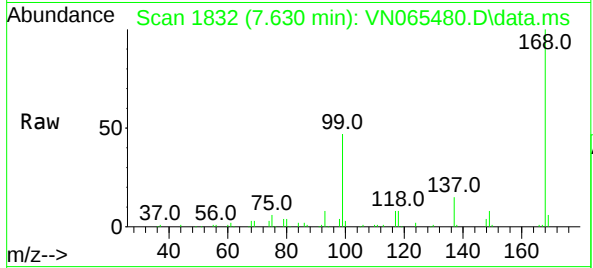




#1
Pentafluorobenzene
Concen: 50.00 ug/l
RT: 7.630 min Scan# 1832
Delta R.T. 0.003 min
Lab File: VN065480.D
Acq: 11 Jan 2021 20:12

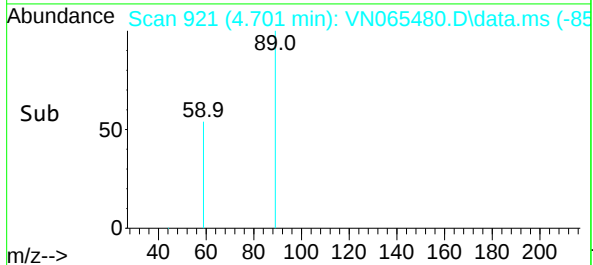
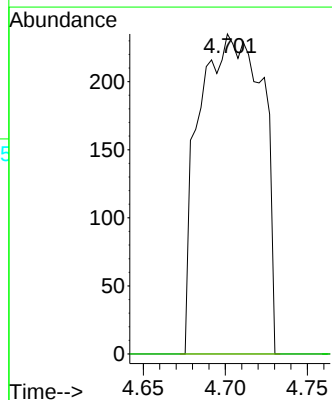
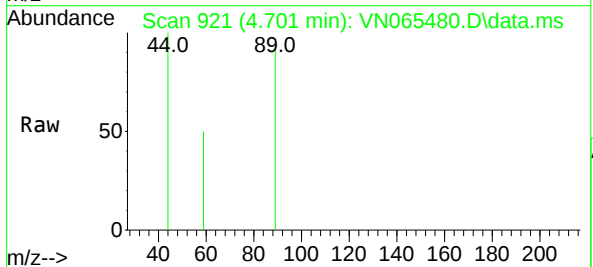
Instrument :
MSVOA_N
ClientSampled :

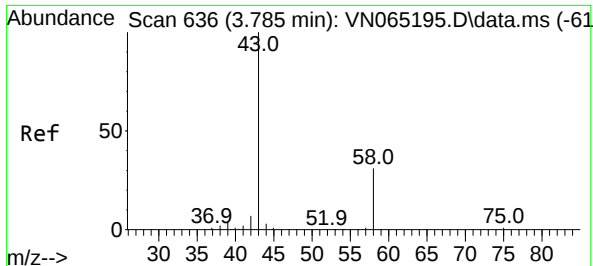
Tgt Ion:168 Resp: 207451
Ion Ratio Lower Upper
168 100
99 47.1 43.0 64.4



#11
Tert butyl alcohol
Concen: 1.64 ug/l
RT: 4.701 min Scan# 921
Delta R.T. -0.071 min
Lab File: VN065480.D
Acq: 11 Jan 2021 20:12

Tgt Ion: 59 Resp: 629
Ion Ratio Lower Upper
59 100
57 0.0 7.9 11.9#

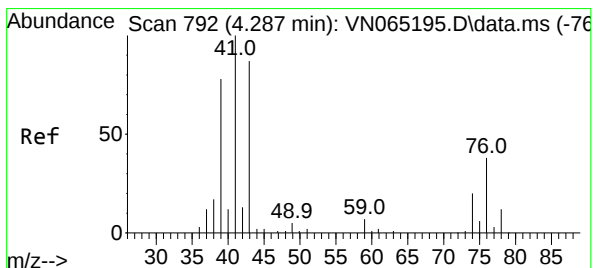
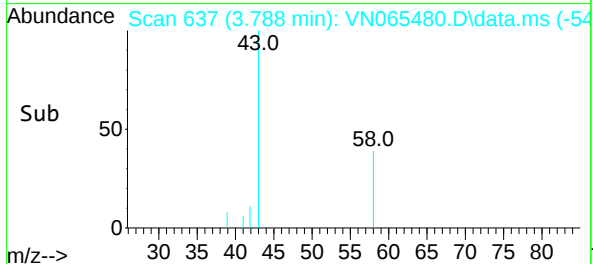
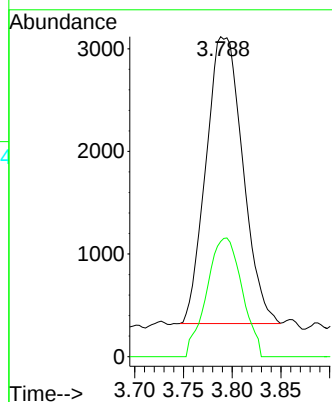
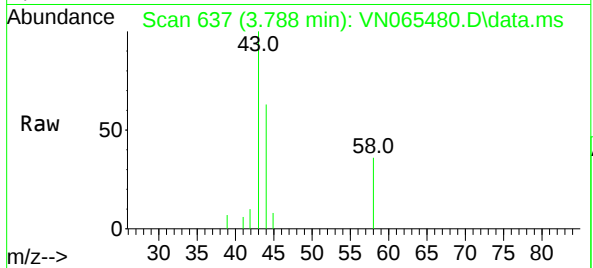




#16
Acetone
Concen: Below Cal
RT: 3.788 min Scan# 637
Delta R.T. 0.003 min
Lab File: VN065480.D
Acq: 11 Jan 2021 20:12

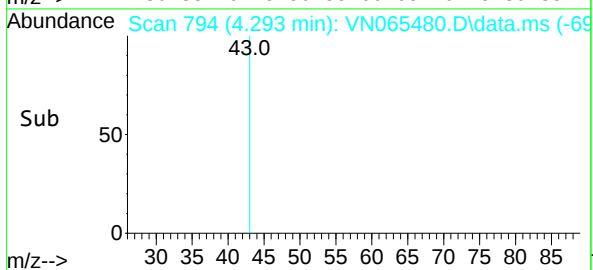
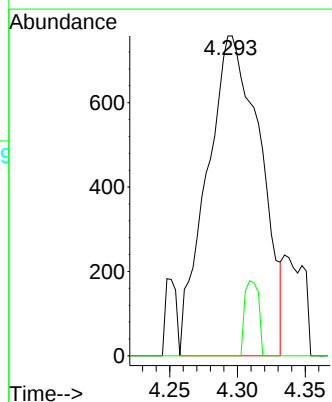
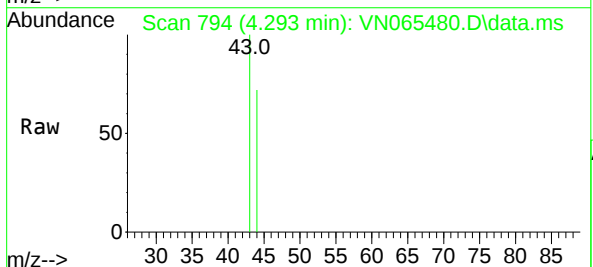
Instrument :
MSVOA_N
ClientSampled :

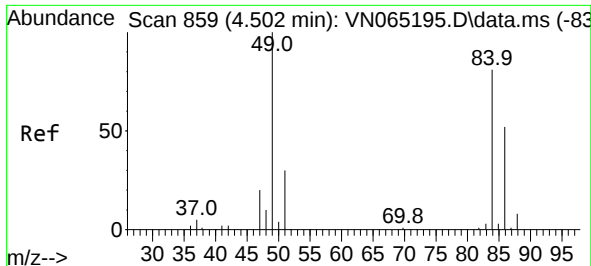
Tgt Ion: 43 Resp: 7339
Ion Ratio Lower Upper
43 100
58 40.2 25.7 38.5#



#18
Methyl Acetate
Concen: 0.99 ug/l
RT: 4.293 min Scan# 794
Delta R.T. 0.006 min
Lab File: VN065480.D
Acq: 11 Jan 2021 20:12

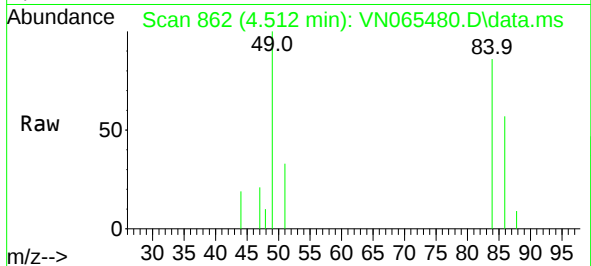
Tgt Ion: 43 Resp: 2084
Ion Ratio Lower Upper
43 100
74 6.1 20.2 30.2#



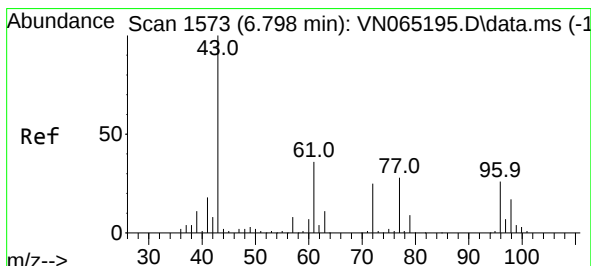
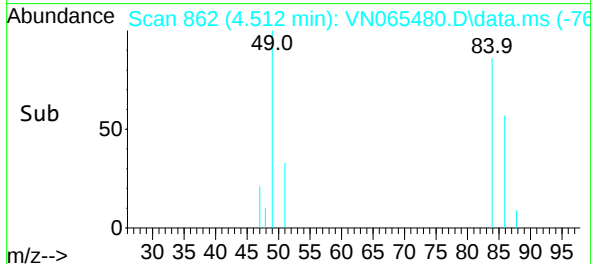
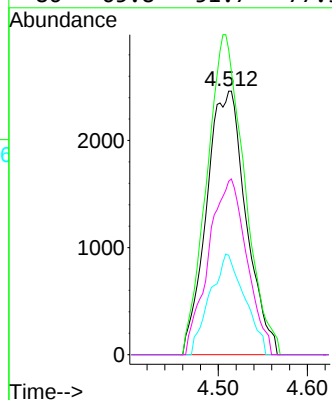


#20
Methylene Chloride
Concen: 3.31 ug/l
RT: 4.512 min Scan# 862
Delta R.T. 0.010 min
Lab File: VN065480.D
Acq: 11 Jan 2021 20:12

Instrument :
MSVOA_N
ClientSampled :

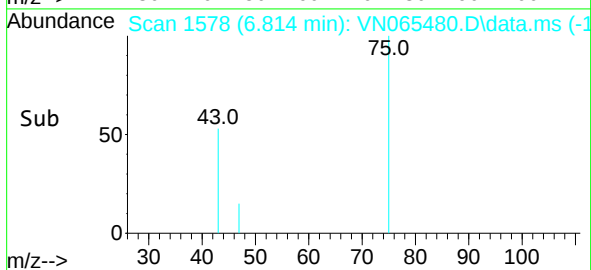
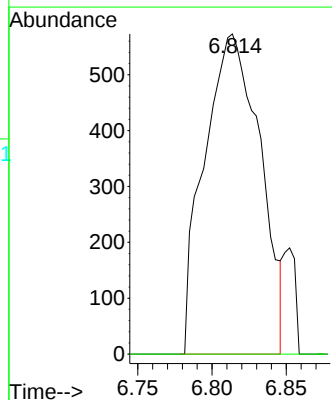
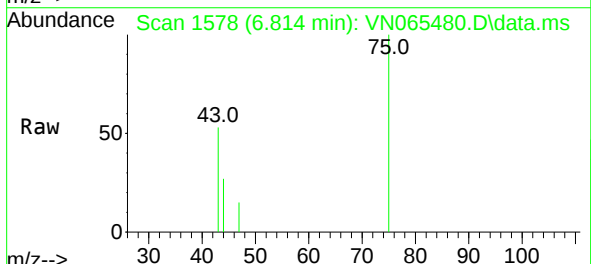


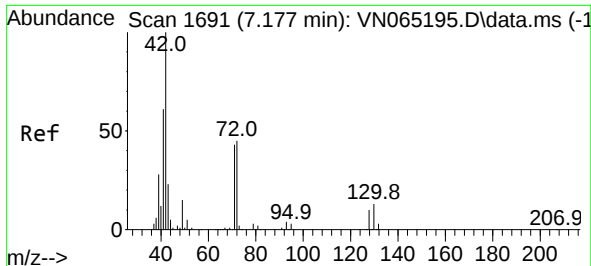
Tgt Ion:	84	Resp:	7565
Ion	Ratio	Lower	Upper
84	100		
49	115.8	93.4	140.0
51	37.7	28.2	42.4
86	65.8	51.7	77.5



#25
2-Butanone
Concen: 1.13 ug/l
RT: 6.814 min Scan# 1578
Delta R.T. 0.016 min
Lab File: VN065480.D
Acq: 11 Jan 2021 20:12

Tgt Ion:	43	Resp:	1492
Ion	Ratio	Lower	Upper
43	100		
72	0.0	21.0	31.6#





#29

Tetrahydrofuran

Concen: 0.40 ug/l

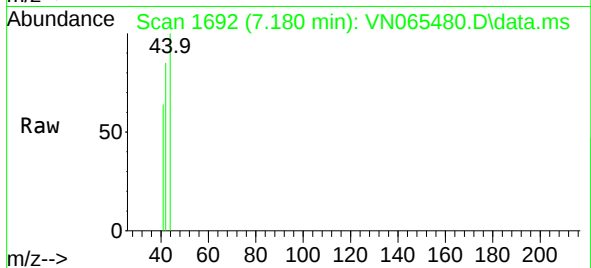
RT: 7.180 min Scan# 1692

Delta R.T. 0.003 min

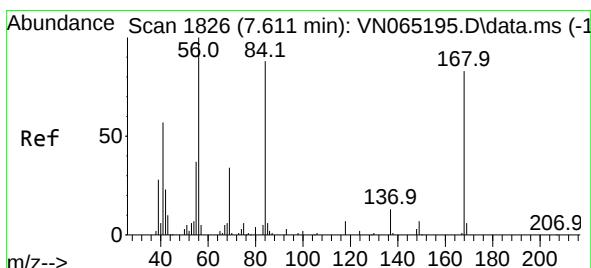
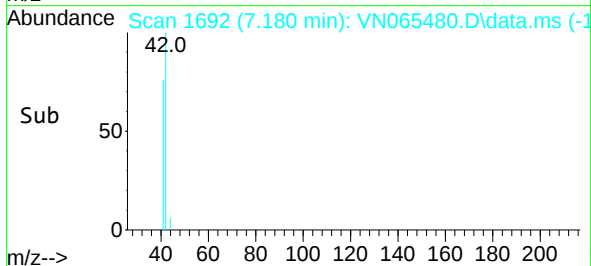
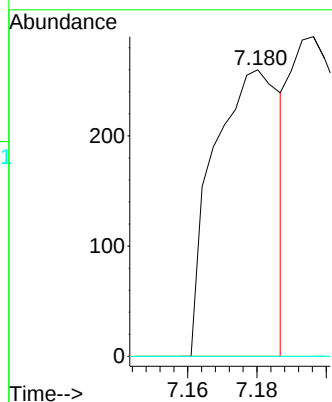
Lab File: VN065480.D

Acq: 11 Jan 2021 20:12

Instrument :
MSVOA_N
ClientSampled :



Tgt Ion:	42	Resp:	343
Ion	Ratio	Lower	Upper
42	100		
72	0.0	36.6	54.8#
71	0.0	33.6	50.4#



#31

Cyclohexane

Concen: 0.87 ug/l

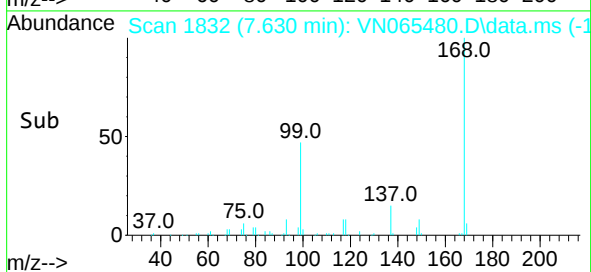
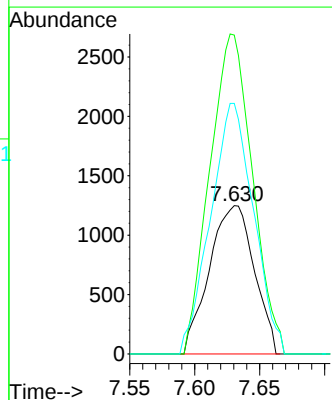
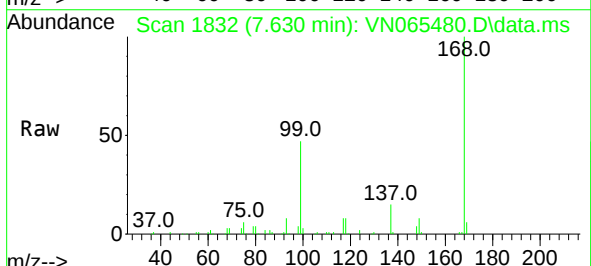
RT: 7.630 min Scan# 1832

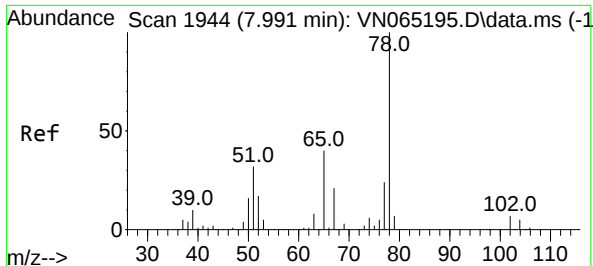
Delta R.T. 0.019 min

Lab File: VN065480.D

Acq: 11 Jan 2021 20:12

Tgt Ion:	56	Resp:	3004
Ion	Ratio	Lower	Upper
56	100		
69	215.0	27.5	41.3#
84	168.9	73.9	110.9#

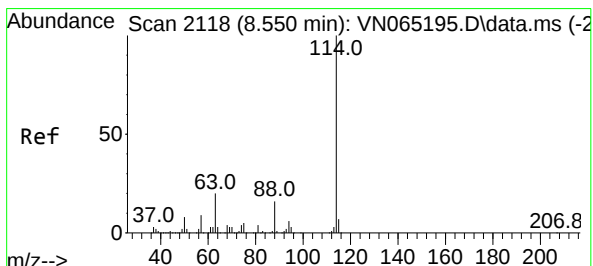
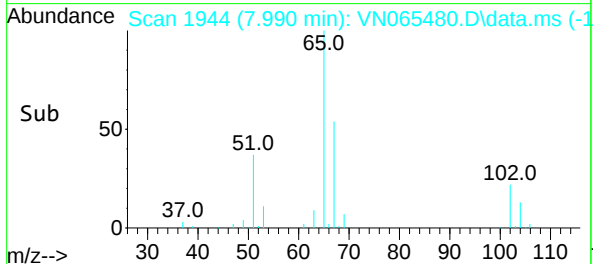
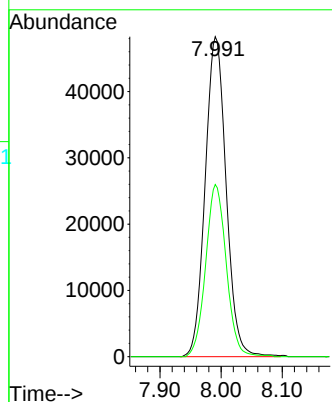
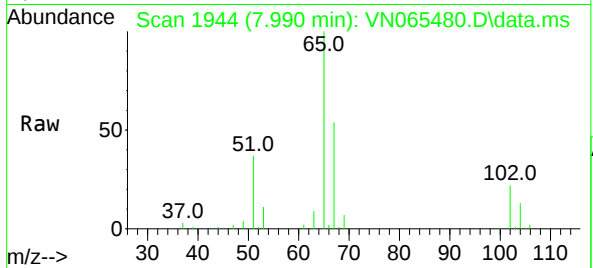




#33
1,2-Dichloroethane-d4
Concen: 49.09 ug/l
RT: 7.990 min Scan# 1944
Delta R.T. -0.000 min
Lab File: VN065480.D
Acq: 11 Jan 2021 20:12

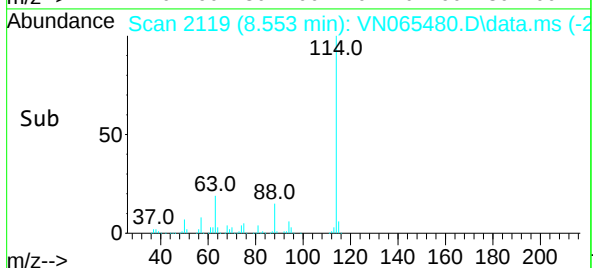
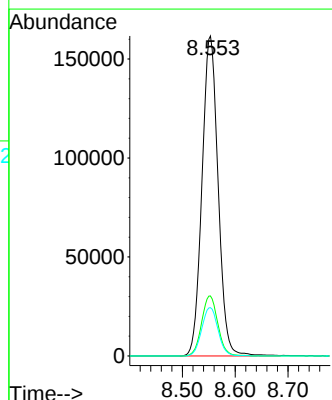
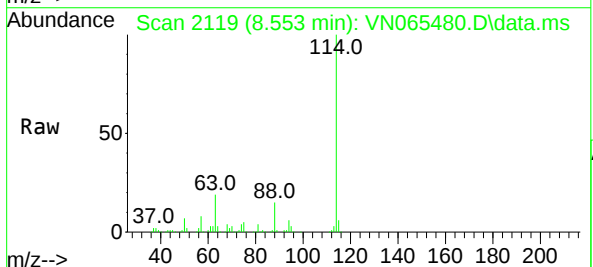
Instrument :
MSVOA_N
ClientSampled :

Tgt Ion: 65 Resp: 114970
Ion Ratio Lower Upper
65 100
67 53.0 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: VN065480.D
Acq: 11 Jan 2021 20:12

Tgt Ion: 114 Resp: 342271
Ion Ratio Lower Upper
114 100
63 18.7 0.0 38.6
88 15.1 0.0 32.6

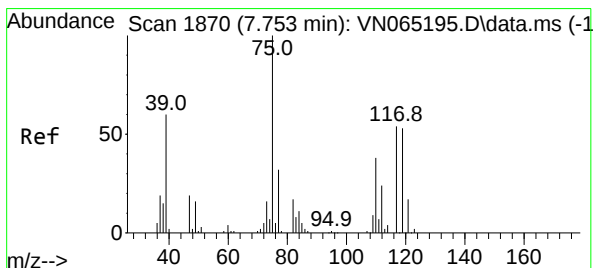
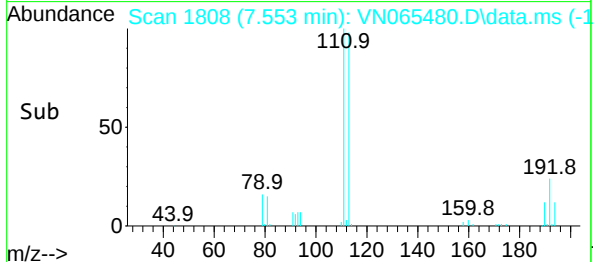
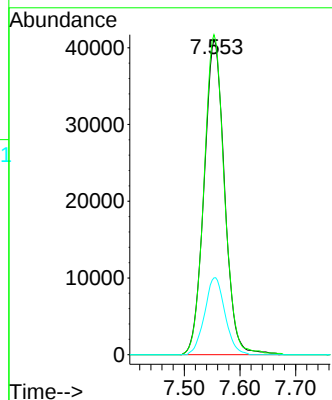
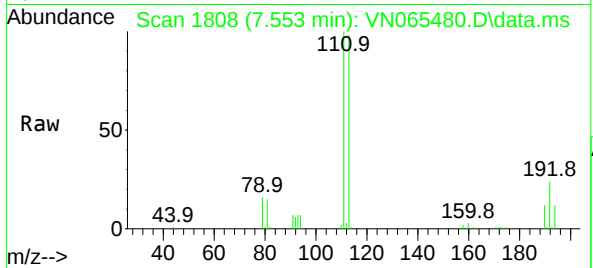




#35
 Dibromofluoromethane
 Concen: 50.78 ug/l
 RT: 7.553 min Scan# 1808
 Delta R.T. 0.003 min
 Lab File: VN065480.D
 Acq: 11 Jan 2021 20:12

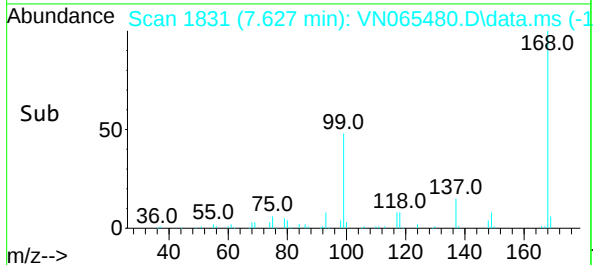
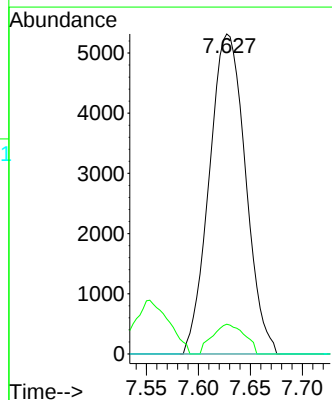
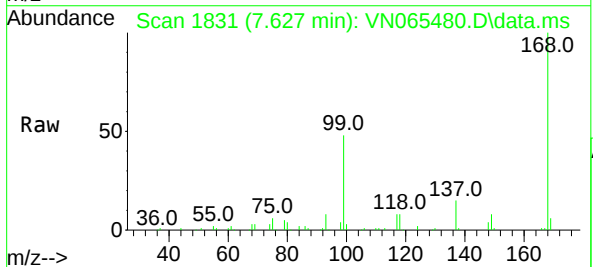
Instrument :
 MSVOA_N
 ClientSampled :

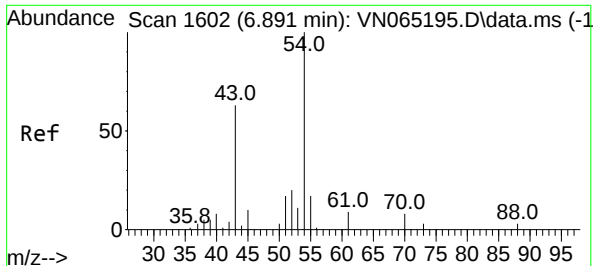
Tgt Ion:	113	Resp:	104863
Ion	Ratio	Lower	Upper
113	100		
111	101.0	81.6	122.4
192	24.4	16.2	24.2#



#36
 1,1-Dichloropropene
 Concen: 4.14 ug/l
 RT: 7.627 min Scan# 1831
 Delta R.T. -0.126 min
 Lab File: VN065480.D
 Acq: 11 Jan 2021 20:12

Tgt Ion:	75	Resp:	12878
Ion	Ratio	Lower	Upper
75	100		
110	8.2	17.8	53.3#
77	0.0	25.0	37.4#





#37

Ethyl Acetate

Concen: 0.48 ug/l

RT: 6.814 min Scan# 1578

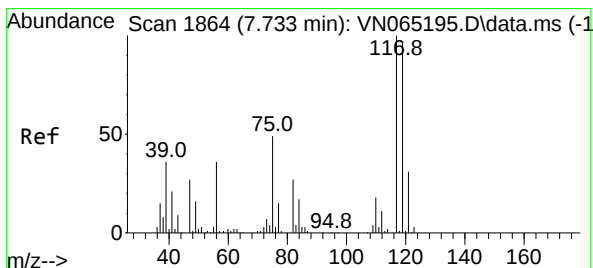
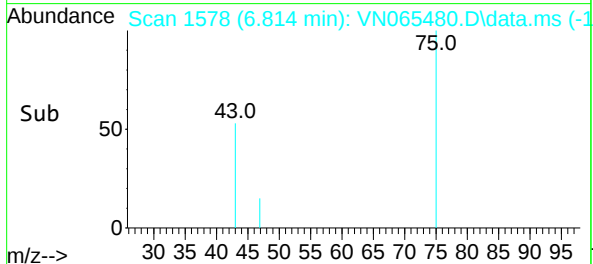
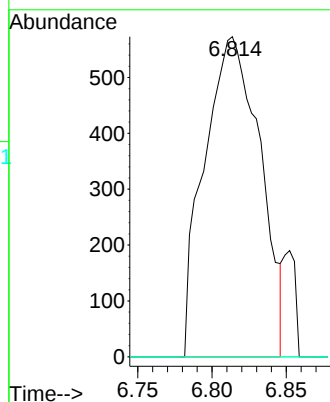
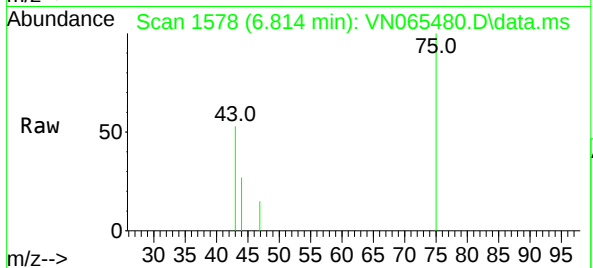
Delta R.T. -0.077 min

Lab File: VN065480.D

Acq: 11 Jan 2021 20:12

Tgt Ion: 43	Resp: 1492
Ion Ratio	Lower Upper
43 100	
61 0.0	12.8 19.2#
70 0.0	8.8 13.2#

Instrument :
MSVOA_N
ClientSampleId :



#38

Carbon Tetrachloride

Concen: 5.14 ug/l

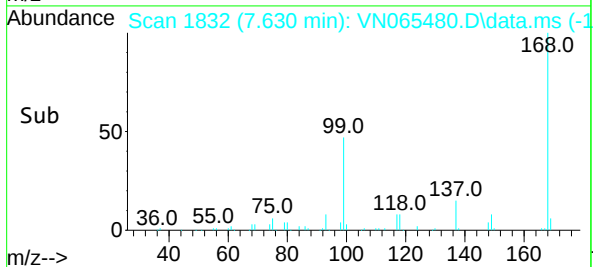
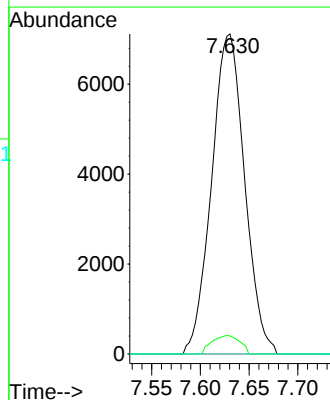
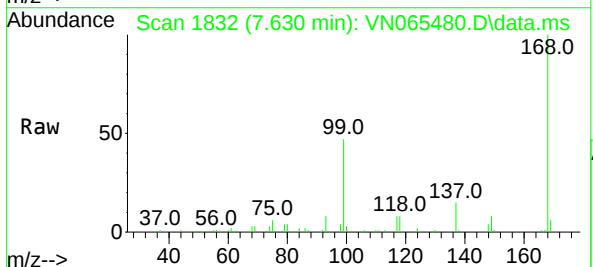
RT: 7.630 min Scan# 1832

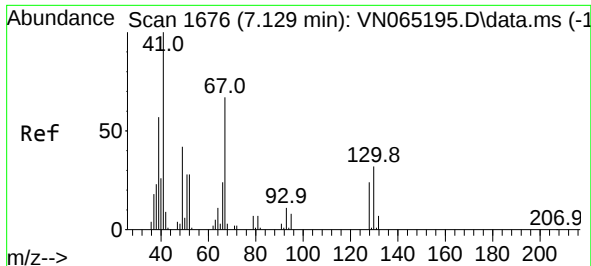
Delta R.T. -0.103 min

Lab File: VN065480.D

Acq: 11 Jan 2021 20:12

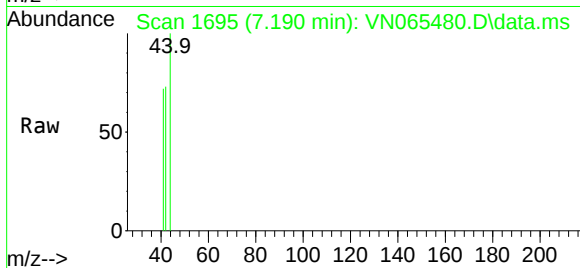
Tgt Ion:117	Resp:	16791	
Ion	Ratio	Lower	Upper
117	100		
119	5.6	76.7	115.1#
121	0.0	25.4	38.2#



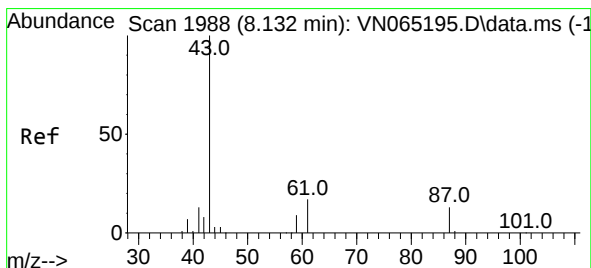
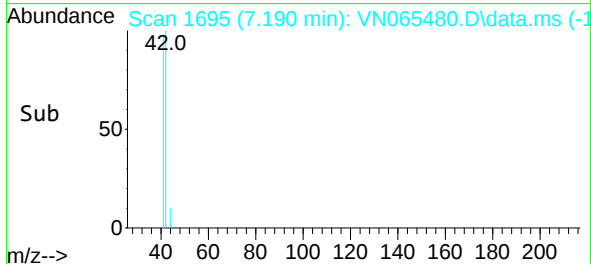
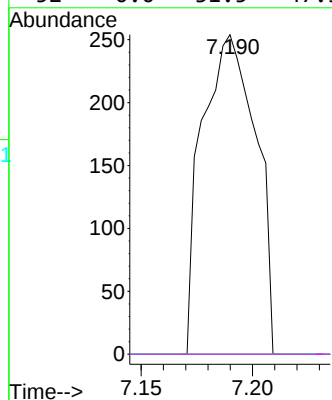


#41
Methacrylonitrile
Concen: 0.26 ug/l
RT: 7.190 min Scan# 1695
Delta R.T. 0.061 min
Lab File: VN065480.D
Acq: 11 Jan 2021 20:12

Instrument :
MSVOA_N
ClientSampled :

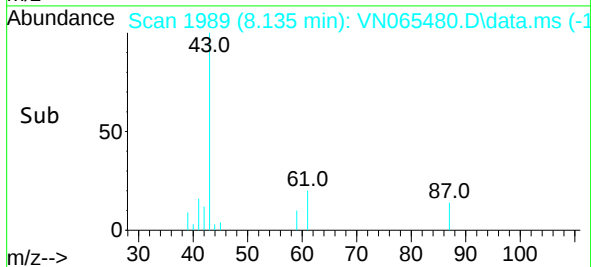
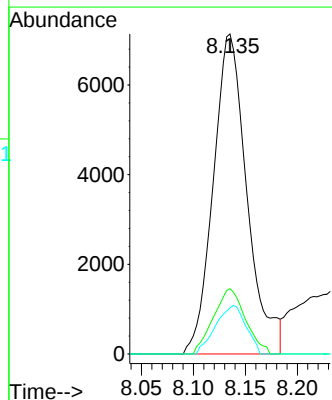
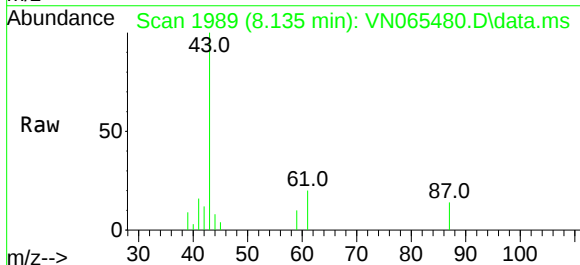


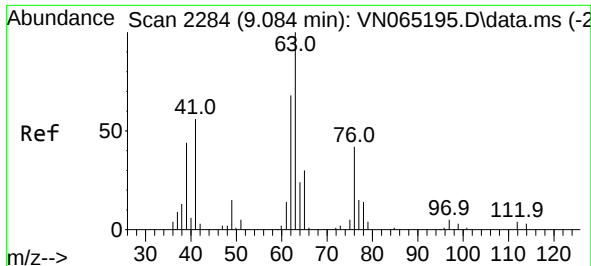
Tgt Ion: 41	Resp: 425
Ion Ratio	Lower Upper
41 100	
39 0.0	51.0 76.6#
67 0.0	79.8 119.8#
52 0.0	31.5 47.3#



#43
Isopropyl Acetate
Concen: 3.03 ug/l
RT: 8.135 min Scan# 1989
Delta R.T. 0.003 min
Lab File: VN065480.D
Acq: 11 Jan 2021 20:12

Tgt Ion: 43	Resp: 16107
Ion Ratio	Lower Upper
43 100	
61 19.4	17.2 25.8
87 13.5	11.4 17.0

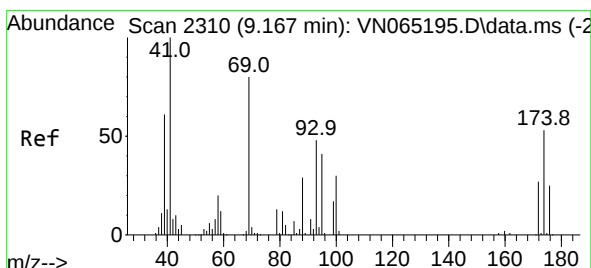
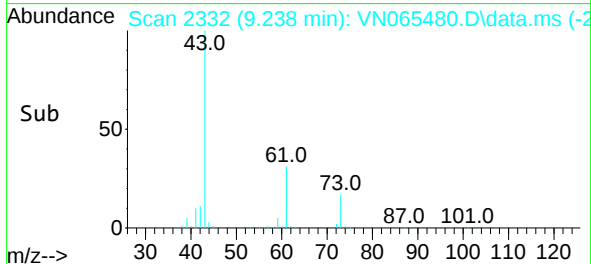
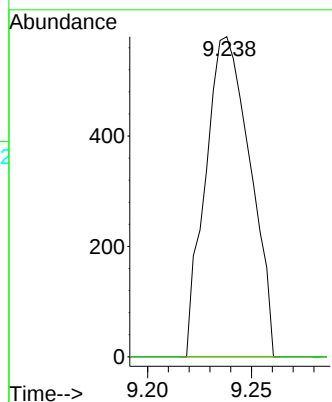
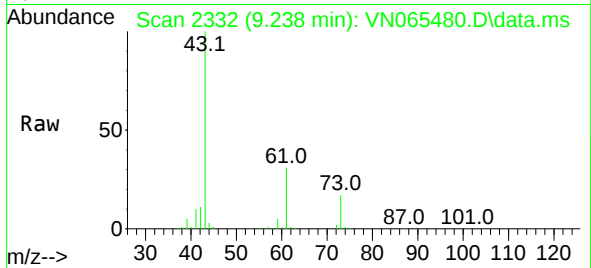




#45
1,2-Dichloropropane
Concen: 0.36 ug/l
RT: 9.238 min Scan# 2332
Delta R.T. 0.154 min
Lab File: VN065480.D
Acq: 11 Jan 2021 20:12

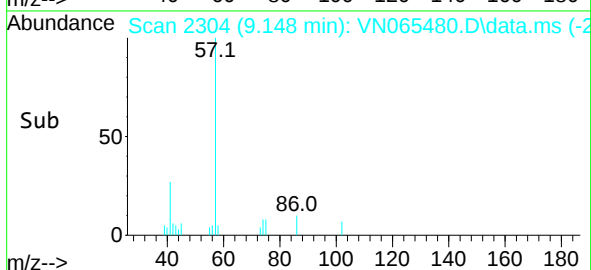
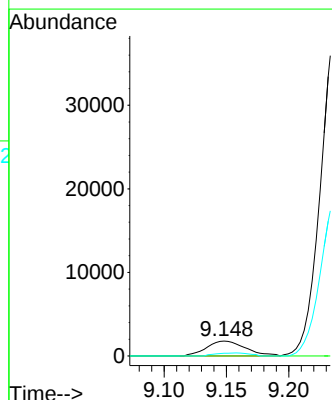
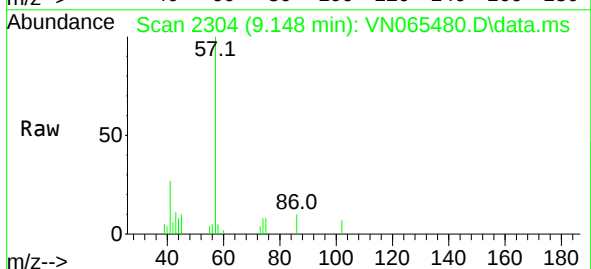
Instrument :
MSVOA_N
ClientSampled :

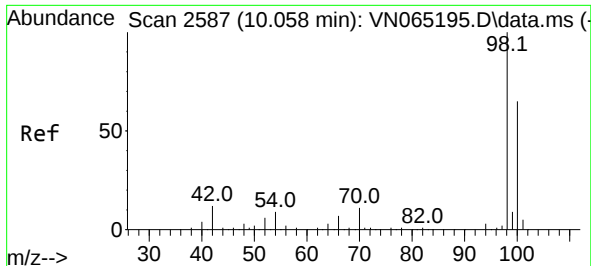
Tgt Ion: 63 Resp: 866
Ion Ratio Lower Upper
63 100
65 0.0 25.0 37.4#



#48
Methyl methacrylate
Concen: 1.50 ug/l
RT: 9.148 min Scan# 2304
Delta R.T. -0.019 min
Lab File: VN065480.D
Acq: 11 Jan 2021 20:12

Tgt Ion: 41 Resp: 3878
Ion Ratio Lower Upper
41 100
69 0.0 71.8 107.8#
39 0.0 44.1 66.1#

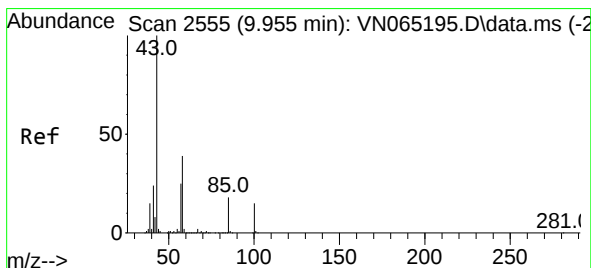
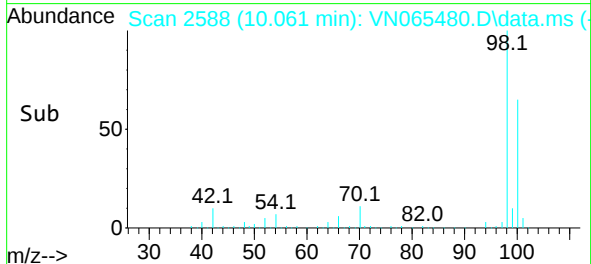
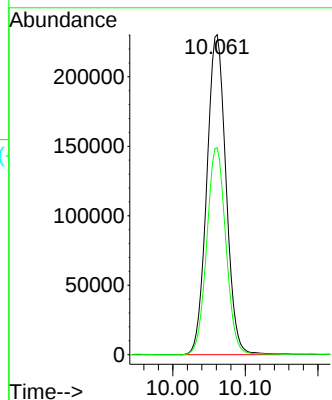
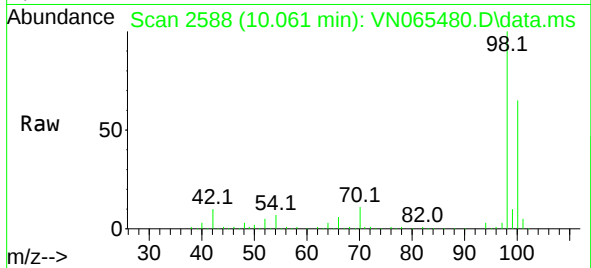




#50
Toluene-d8
Concen: 54.83 ug/l
RT: 10.061 min Scan# 2588
Delta R.T. 0.003 min
Lab File: VN065480.D
Acq: 11 Jan 2021 20:12

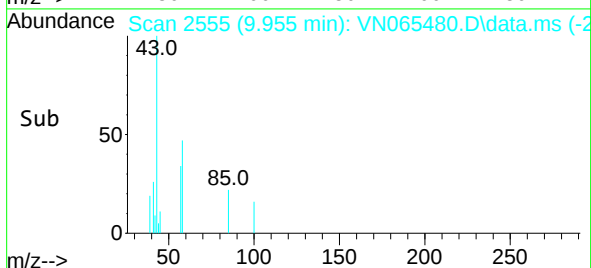
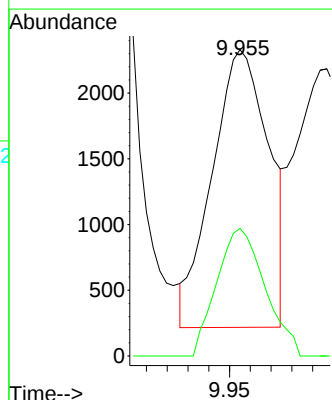
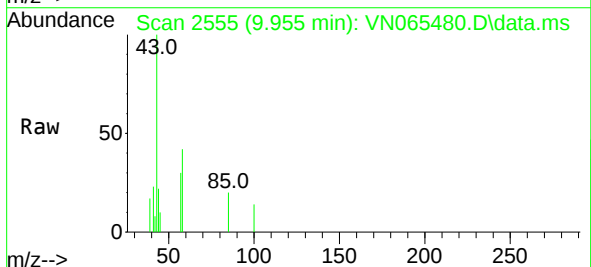
Instrument :
MSVOA_N
ClientSampled :

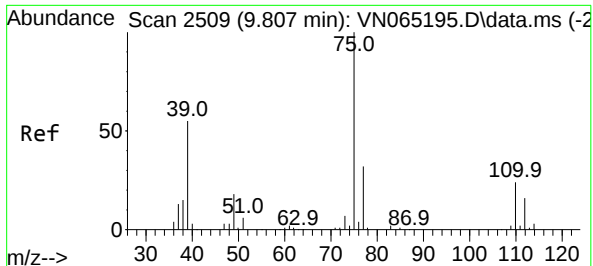
Tgt Ion: 98 Resp: 424338
Ion Ratio Lower Upper
98 100
100 64.5 51.7 77.5



#51
4-Methyl-2-Pentanone
Concen: 1.33 ug/l
RT: 9.955 min Scan# 2555
Delta R.T. 0.000 min
Lab File: VN065480.D
Acq: 11 Jan 2021 20:12

Tgt Ion: 43 Resp: 3984
Ion Ratio Lower Upper
43 100
58 39.3 32.4 48.6

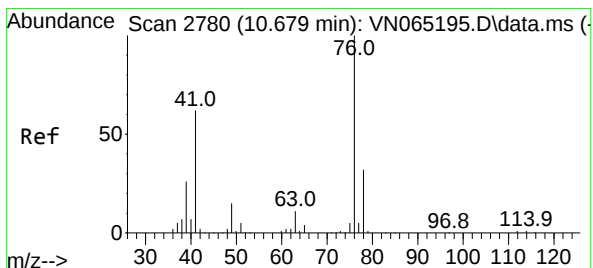
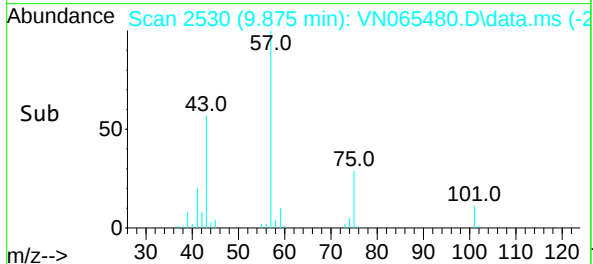
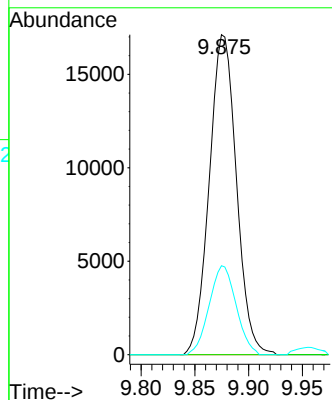
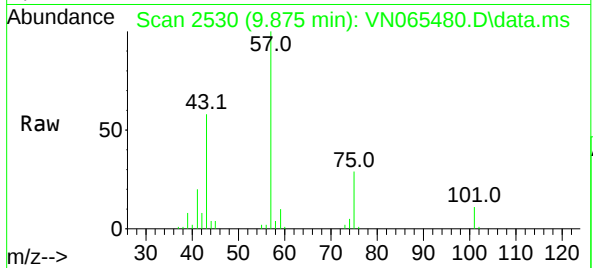




#54
cis-1,3-Dichloropropene
Concen: 7.27 ug/l
RT: 9.875 min Scan# 2530
Delta R.T. 0.068 min
Lab File: VN065480.D
Acq: 11 Jan 2021 20:12

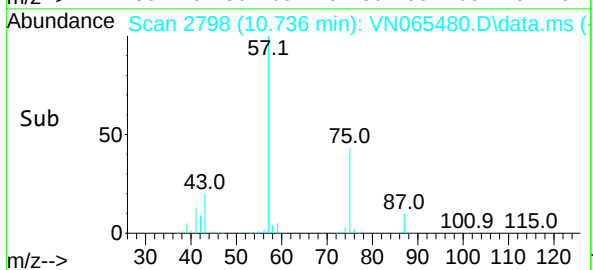
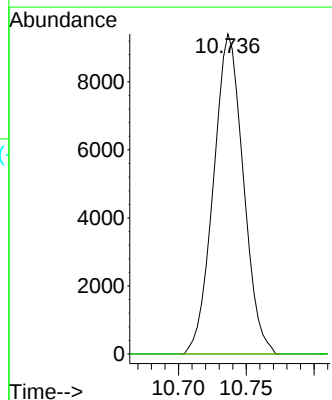
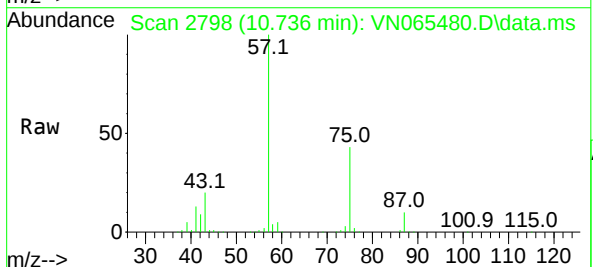
Instrument :
MSVOA_N
ClientSampled :

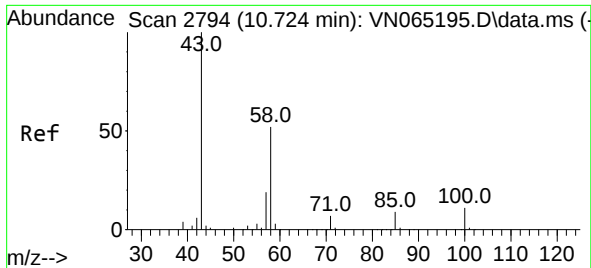
Tgt Ion: 75 Resp: 30010
Ion Ratio Lower Upper
75 100
77 0.0 25.5 38.3#
39 27.8 35.6 53.4#



#57
1,3-Dichloropropane
Concen: 3.78 ug/l
RT: 10.736 min Scan# 2798
Delta R.T. 0.057 min
Lab File: VN065480.D
Acq: 11 Jan 2021 20:12

Tgt Ion: 76 Resp: 14391
Ion Ratio Lower Upper
76 100
78 0.0 26.1 39.1#

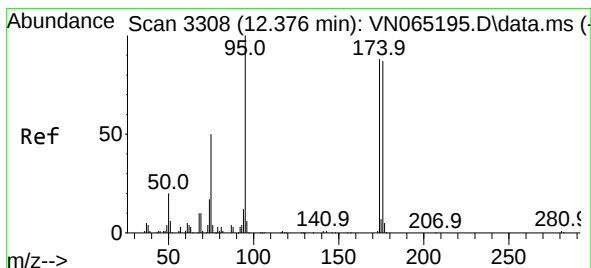
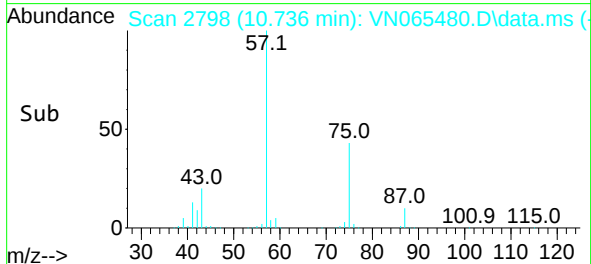
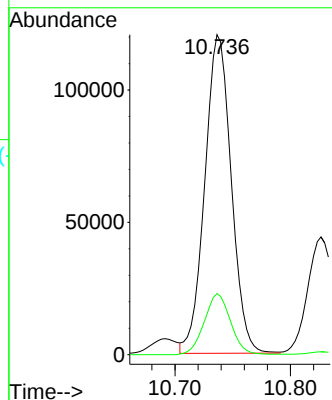
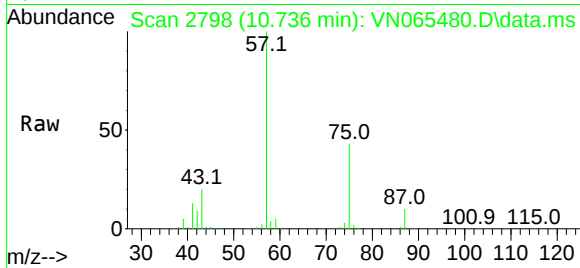




#59
2-Hexanone
Concen: 87.15 ug/l
RT: 10.736 min Scan# 2798
Delta R.T. 0.012 min
Lab File: VN065480.D
Acq: 11 Jan 2021 20:12

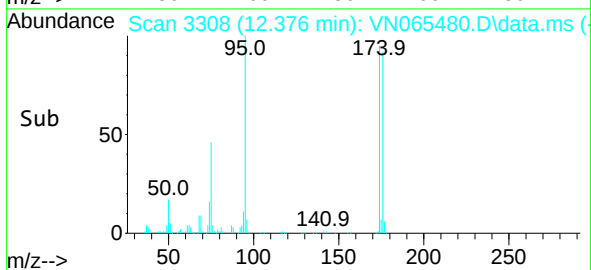
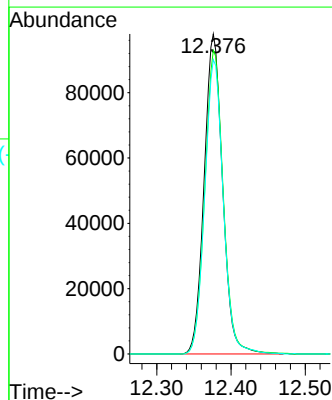
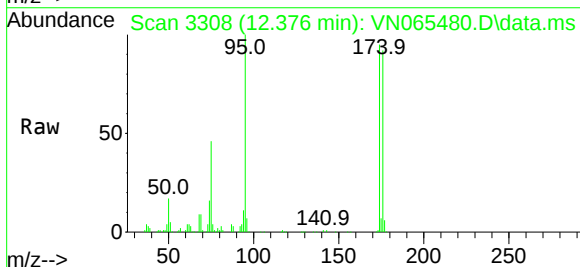
Instrument :
MSVOA_N
ClientSampled :

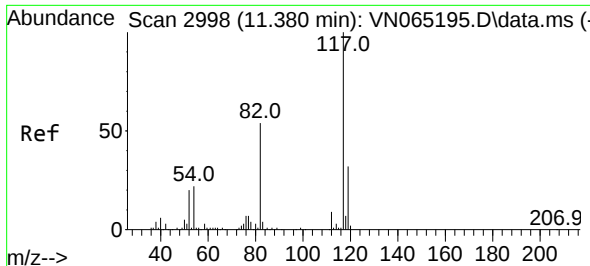
Tgt Ion: 43 Resp: 191506
Ion Ratio Lower Upper
43 100
58 19.1 28.3 84.9#



#62
4-Bromofluorobenzene
Concen: 54.54 ug/l
RT: 12.376 min Scan# 3308
Delta R.T. 0.000 min
Lab File: VN065480.D
Acq: 11 Jan 2021 20:12

Tgt Ion: 95 Resp: 168533
Ion Ratio Lower Upper
95 100
174 95.4 0.0 160.4
176 92.2 0.0 158.4

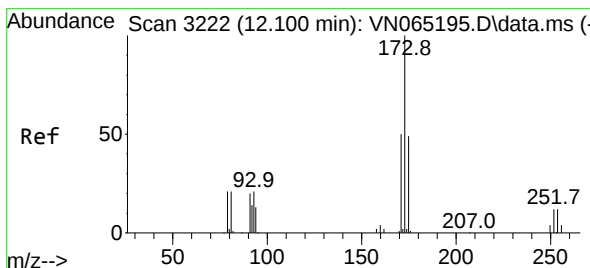
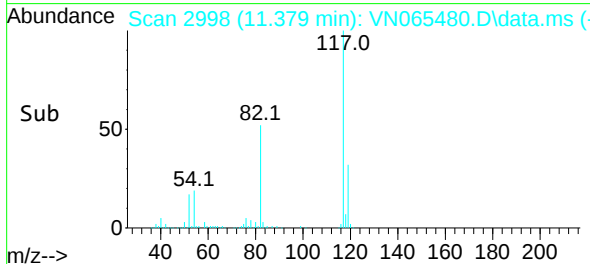
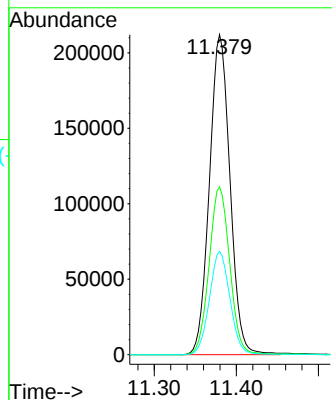
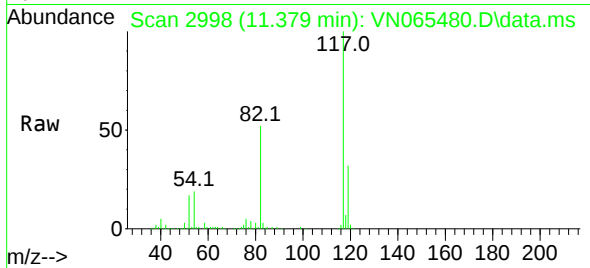




#63
Chlorobenzene-d5
Concen: 50.00 ug/l
RT: 11.379 min Scan# 2998
Delta R.T. -0.001 min
Lab File: VN065480.D
Acq: 11 Jan 2021 20:12

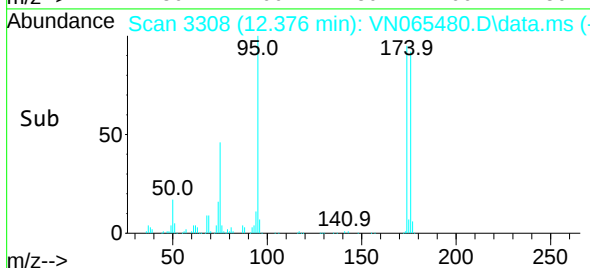
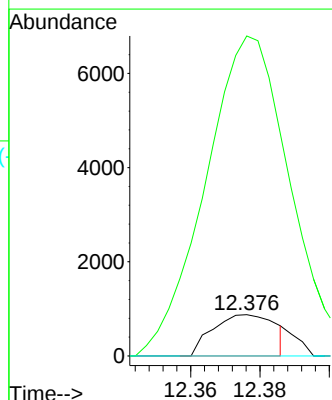
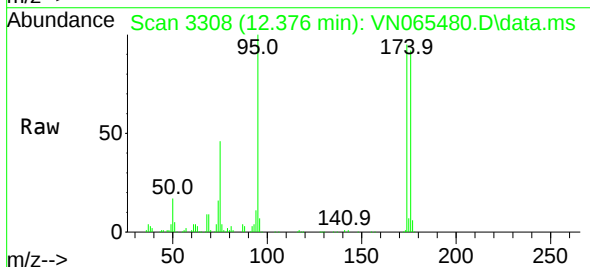
Instrument :
MSVOA_N
ClientSampleId :

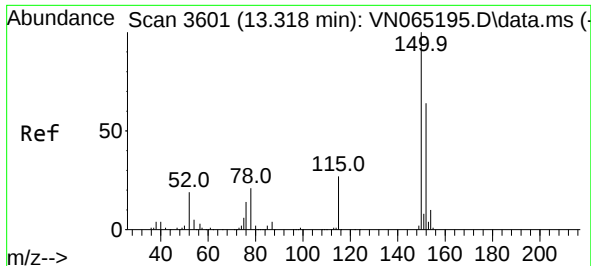
Tgt Ion:117 Resp: 369539
Ion Ratio Lower Upper
117 100
82 52.5 44.2 66.2
119 32.3 25.8 38.6



#71
Bromoform
Concen: 0.44 ug/l
RT: 12.376 min Scan# 3308
Delta R.T. 0.276 min
Lab File: VN065480.D
Acq: 11 Jan 2021 20:12

Tgt Ion:173 Resp: 1104
Ion Ratio Lower Upper
173 100
175 869.3 24.3 72.8#
254 0.0 0.0 0.0

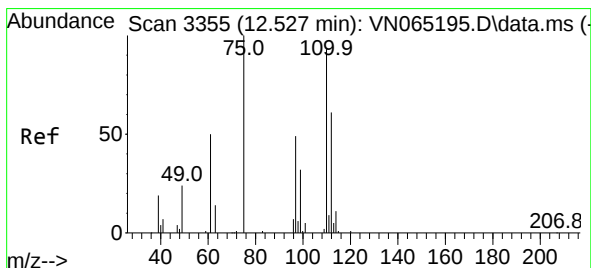
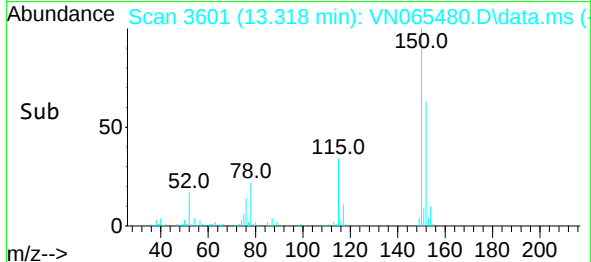
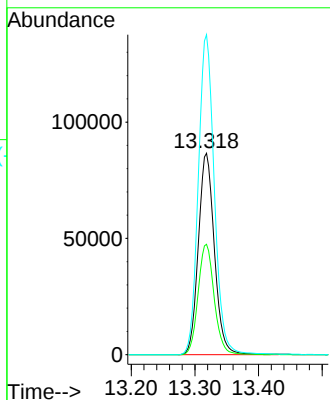
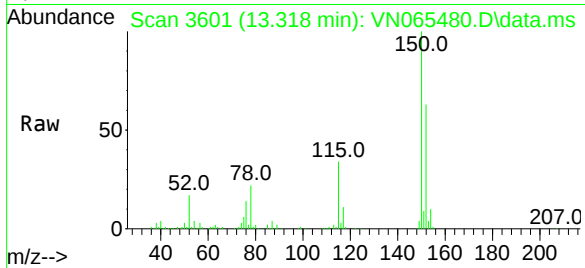




#72
 1,4-Dichlorobenzene-d4
 Concen: 50.00 ug/l
 RT: 13.318 min Scan# 3601
 Delta R.T. 0.000 min
 Lab File: VN065480.D
 Acq: 11 Jan 2021 20:12

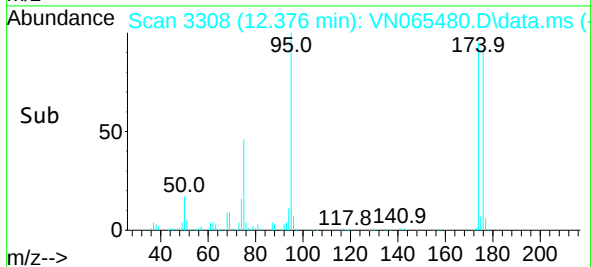
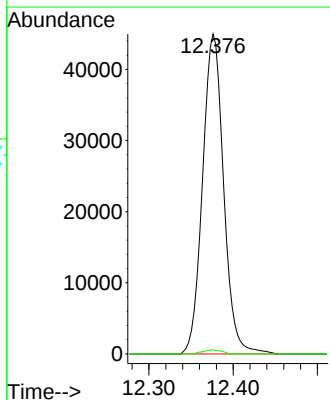
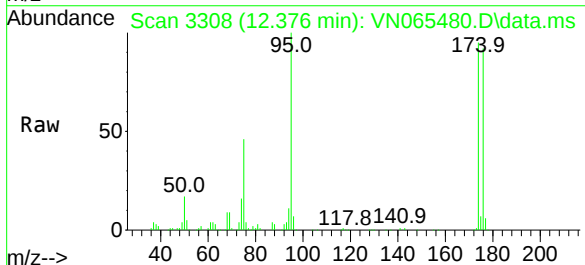
Instrument :
 MSVOA_N
 ClientSampled :

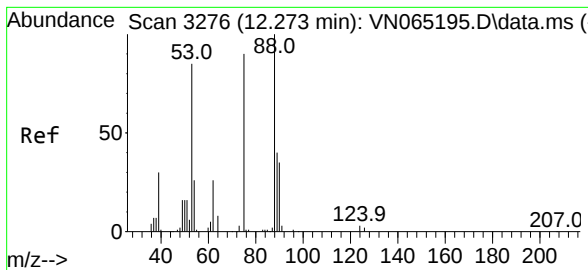
Tgt Ion:152 Resp: 151943
 Ion Ratio Lower Upper
 152 100
 115 55.0 29.7 89.1
 150 158.7 0.0 350.6



#76
 1,2,3-Trichloropropane
 Concen: 25.27 ug/l
 RT: 12.376 min Scan# 3308
 Delta R.T. -0.151 min
 Lab File: VN065480.D
 Acq: 11 Jan 2021 20:12

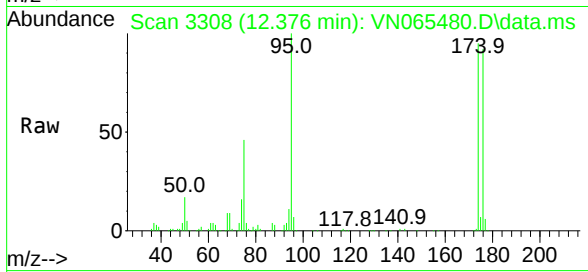
Tgt Ion: 75 Resp: 78330
 Ion Ratio Lower Upper
 75 100
 77 1.1 0.0 0.0#





#81
 trans-1,4-Dichloro-2-butene
 Concen: 63.72 ug/l
 RT: 12.376 min Scan# 3308
 Delta R.T. 0.103 min
 Lab File: VN065480.D
 Acq: 11 Jan 2021 20:12

Instrument :
 MSVOA_N
 ClientSampleId :



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

