

Data Path : Z:\voasrv\HPCHEM1\MSVOA_N\Data\VN042721\
 Data File : VN066793.D
 Acq On : 27 Apr 2021 20:01
 Operator : JC/MD
 Sample : M2170-08
 Misc : 5.00mL/MSVOA_N/WATER
 ALS Vial : 23 Sample Multiplier: 1

Instrument :
 MSVOA_N
 ClientSampleId :

Quant Time: Apr 28 08:14:09 2021
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA_N\methods\82N042721W.M
 Quant Title : SW846 8260
 QLast Update : Tue Apr 27 16:02:50 2021
 Response via : Initial Calibration

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

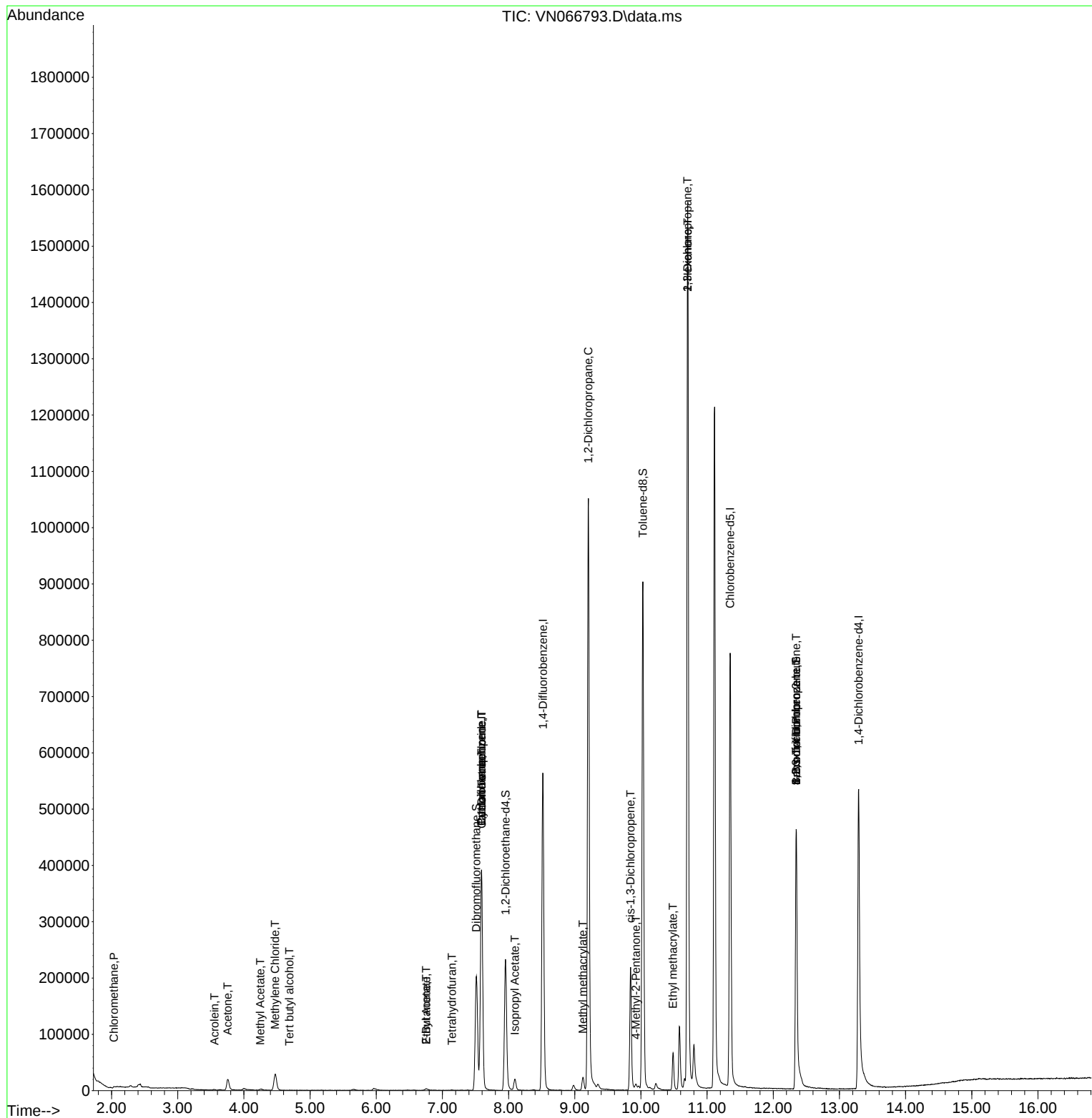
Internal Standards						
1) Pentafluorobenzene	7.591	168	345822	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	8.519	114	535110	50.00	ug/l	0.00
63) Chlorobenzene-d5	11.349	117	476643	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.290	152	200901	50.00	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	7.953	65	202167	45.50	ug/l	0.00
Spiked Amount 50.000	Range 61 - 141		Recovery =	91.00%		
35) Dibromofluoromethane	7.513	113	165300	50.04	ug/l	0.00
Spiked Amount 50.000	Range 69 - 133		Recovery =	100.08%		
50) Toluene-d8	10.029	98	648338	50.01	ug/l	0.00
Spiked Amount 50.000	Range 65 - 126		Recovery =	100.02%		
62) 4-Bromofluorobenzene	12.346	95	197413	45.00	ug/l	0.00
Spiked Amount 50.000	Range 58 - 135		Recovery =	90.00%		
Target Compounds						Qvalue
3) Chloromethane	2.034	50	1127	0.23	ug/l	90
11) Tert butyl alcohol	4.689	59	226	0.33	ug/l #	73
13) Acrolein	3.555	56	842	1.47	ug/l #	50
16) Acetone	3.753	43	33687	20.10	ug/l	94
18) Methyl Acetate	4.247	43	1464	1.43	ug/l #	64
20) Methylene Chloride	4.472	84	22006	5.18	ug/l	97
25) 2-Butanone	6.754	43	2689	1.14	ug/l	98
29) Tetrahydrofuran	7.143	42	520	0.32	ug/l #	40
31) Cyclohexane	7.591	56	6305	0.92	ug/l #	1
36) 1,1-Dichloropropene	7.591	75	24169	4.86	ug/l #	48
37) Ethyl Acetate	6.754	43	2689	0.51	ug/l #	68
38) Carbon Tetrachloride	7.594	117	29337	6.15	ug/l #	17
43) Isopropyl Acetate	8.093	43	25368	3.02	ug/l #	87
45) 1,2-Dichloropropane	9.203	63	1260	0.31	ug/l #	44
48) Methyl methacrylate	9.120	41	5759	1.57	ug/l #	10
51) 4-Methyl-2-Pentanone	9.924	43	8365	1.83	ug/l	90
54) cis-1,3-Dichloropropene	9.844	75	41250	6.52	ug/l #	62
56) Ethyl methacrylate	10.485	69	281	3.21	ug/l #	1
57) 1,3-Dichloropropane	10.705	76	17203	2.82	ug/l #	43
59) 2-Hexanone	10.708	43	234245	79.71	ug/l #	50
71) Bromoform	12.346	173	1153	0.45	ug/l #	1
76) 1,2,3-Trichloropropane	12.346	75	99498	23.50	ug/l #	100
81) trans-1,4-Dichloro-2-b...	12.346	75	99498	63.42	ug/l #	12

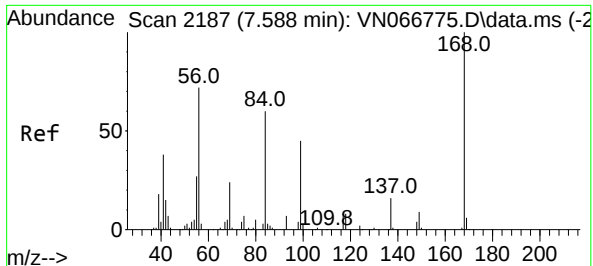
(#) = qualifier out of range (m) = manual integration (+) = signals summed

Data Path : Z:\voasrv\HPCHEM1\MSVOA_N\Data\VN042721\
Data File : VN066793.D
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Misc : 5.00mL/MSVOA_N/WATER
ALS Vial : 23 Sample Multiplier: 1

Instrument :
MSVOA_N
ClientSampleId :

Quant Time: Apr 28 08:14:09 2021
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_N\methods\82N042721W.M
Quant Title : SW846 8260
QLast Update : Tue Apr 27 16:02:50 2021
Response via : Initial Calibration

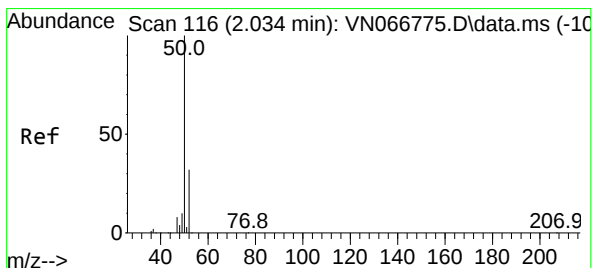
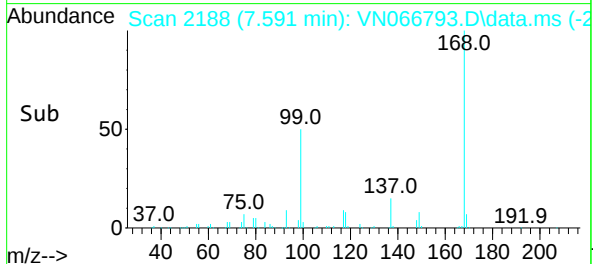
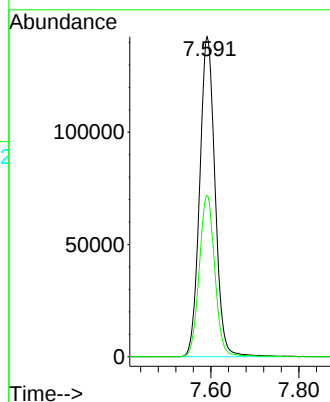
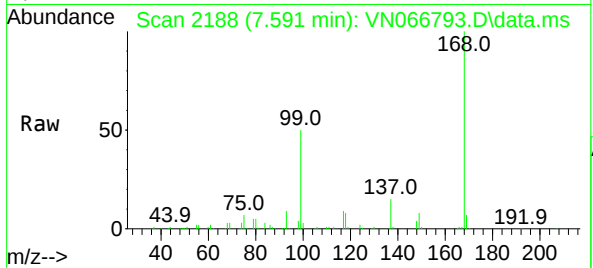




#1
Pentafluorobenzene
Concen: 50.00 ug/l
RT: 7.591 min Scan# 2188
Delta R.T. 0.003 min
Lab File: VN066793.D
Acq: 27 Apr 2021 20:01

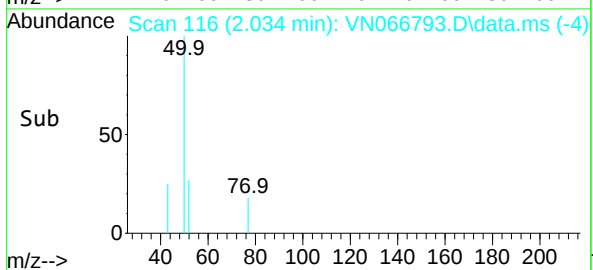
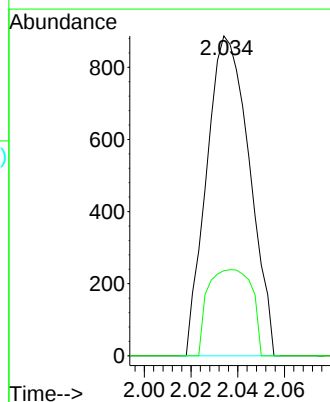
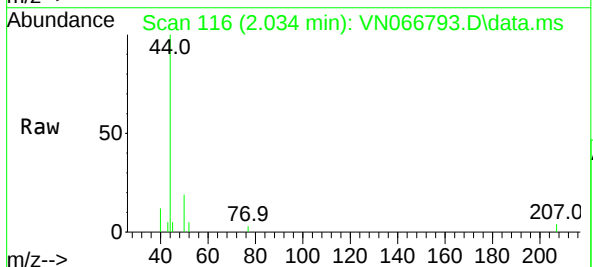
Instrument :
MSVOA_N
ClientSampled :

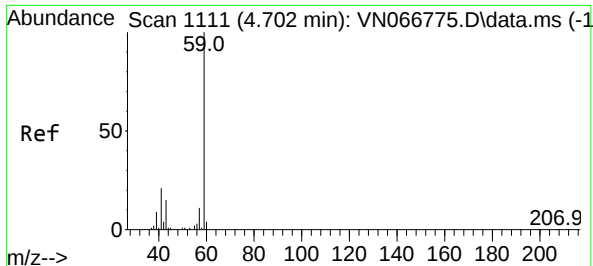
Tgt Ion:168 Resp: 345822
Ion Ratio Lower Upper
168 100
99 50.3 42.6 63.8



#3
Chloromethane
Concen: 0.23 ug/l
RT: 2.034 min Scan# 116
Delta R.T. 0.000 min
Lab File: VN066793.D
Acq: 27 Apr 2021 20:01

Tgt Ion: 50 Resp: 1127
Ion Ratio Lower Upper
50 100
52 26.6 25.8 38.8

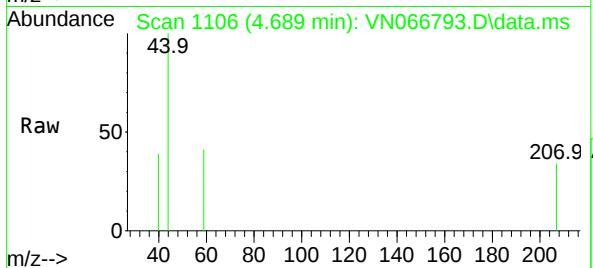




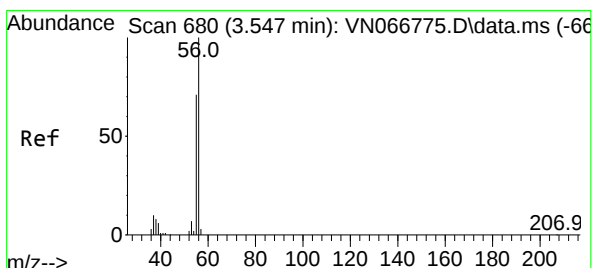
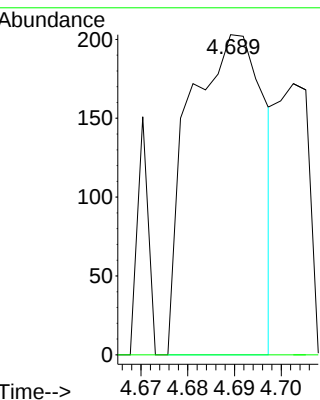
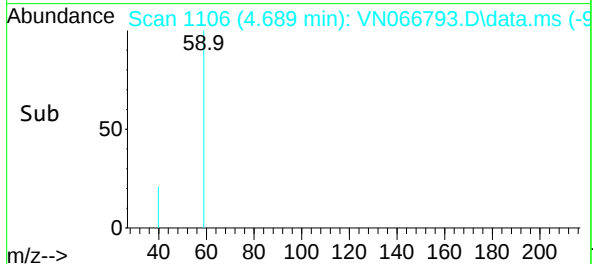
#11

Tert butyl alcohol
Concen: 0.33 ug/l
RT: 4.689 min Scan# 1106
Delta R.T. -0.013 min
Lab File: VN066793.D
Acq: 27 Apr 2021 20:01

Instrument :
MSVOA_N
ClientSampled :

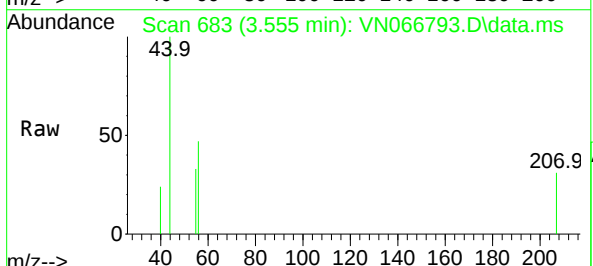


Tgt Ion: 59 Resp: 226
Ion Ratio Lower Upper
59 100
57 0.0 8.0 12.0#

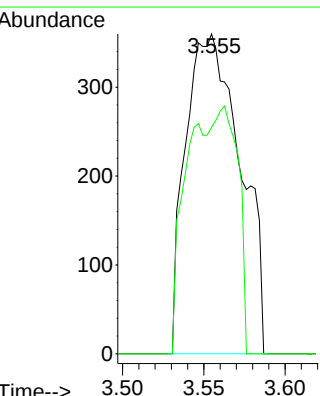
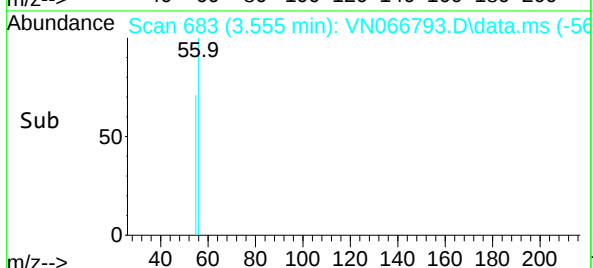


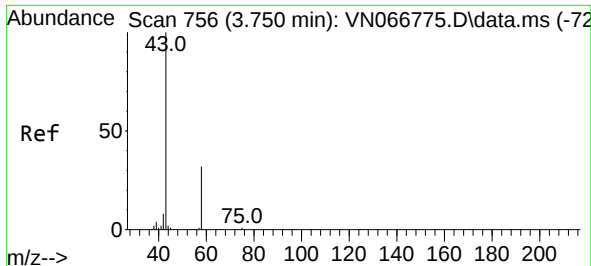
#13

Acrolein
Concen: 1.47 ug/l
RT: 3.555 min Scan# 683
Delta R.T. 0.008 min
Lab File: VN066793.D
Acq: 27 Apr 2021 20:01



Tgt Ion: 56 Resp: 842
Ion Ratio Lower Upper
56 100
55 29.1 56.0 84.0#

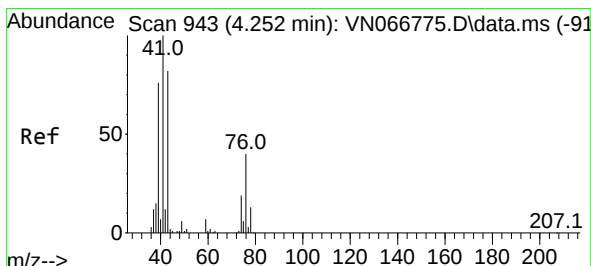
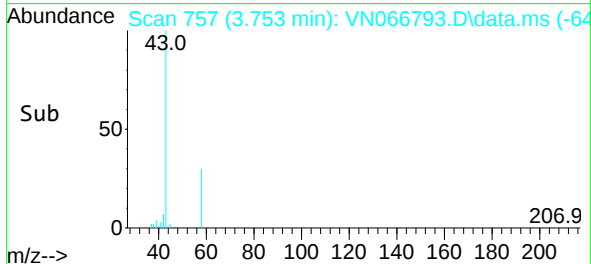
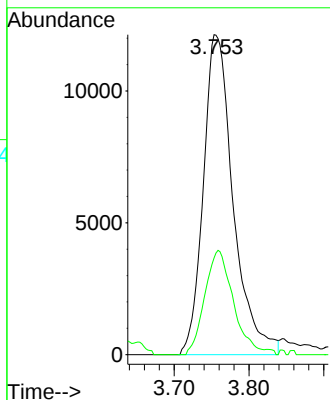
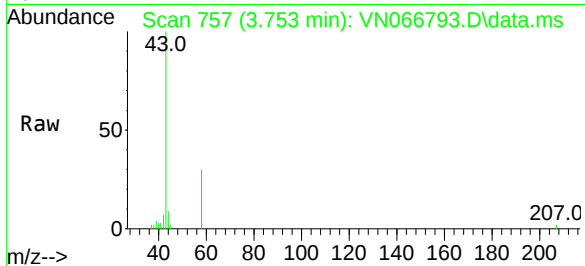




#16
Acetone
Concen: 20.10 ug/l
RT: 3.753 min Scan# 757
Delta R.T. 0.003 min
Lab File: VN066793.D
Acq: 27 Apr 2021 20:01

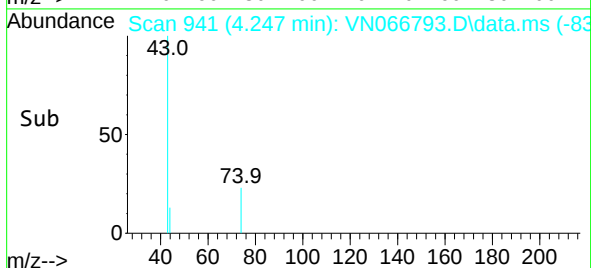
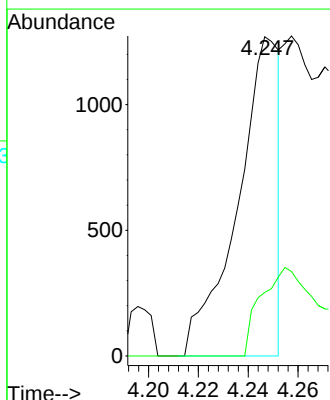
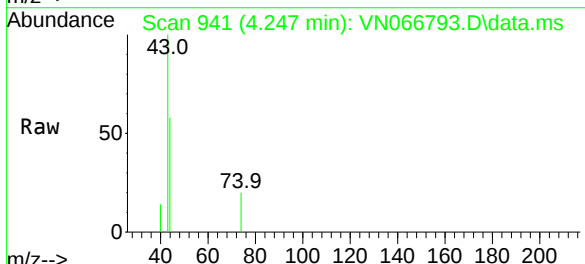
Instrument :
MSVOA_N
ClientSampled :

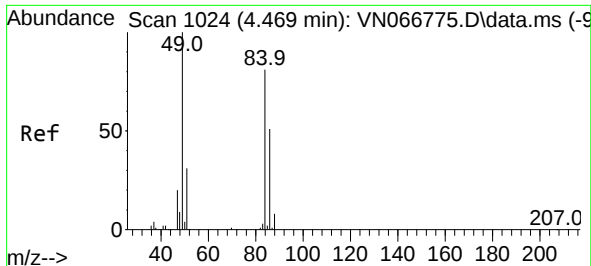
Tgt Ion: 43 Resp: 33687
Ion Ratio Lower Upper
43 100
58 30.2 27.0 40.6



#18
Methyl Acetate
Concen: 1.43 ug/l
RT: 4.247 min Scan# 941
Delta R.T. -0.005 min
Lab File: VN066793.D
Acq: 27 Apr 2021 20:01

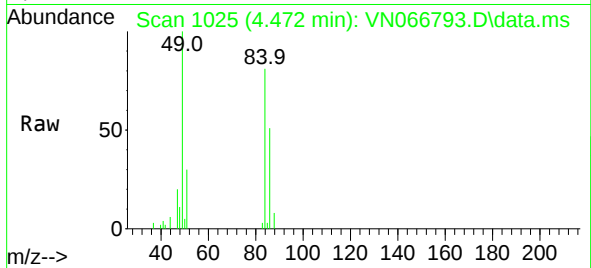
Tgt Ion: 43 Resp: 1464
Ion Ratio Lower Upper
43 100
74 42.1 19.5 29.3#



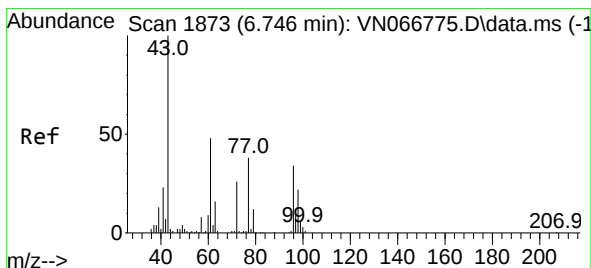
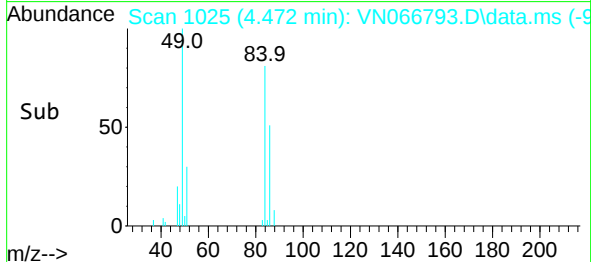
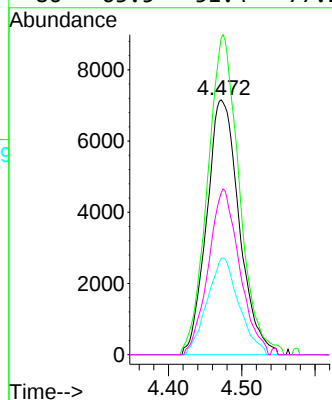


#20
Methylene Chloride
Concen: 5.18 ug/l
RT: 4.472 min Scan# 1025
Delta R.T. 0.003 min
Lab File: VN066793.D
Acq: 27 Apr 2021 20:01

Instrument :
MSVOA_N
ClientSampled :

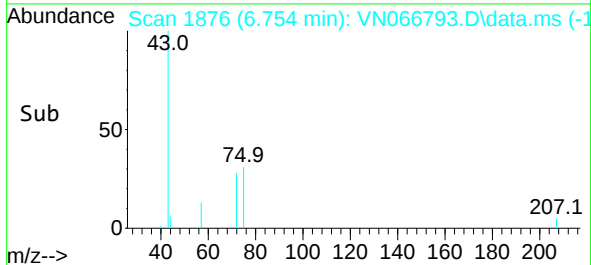
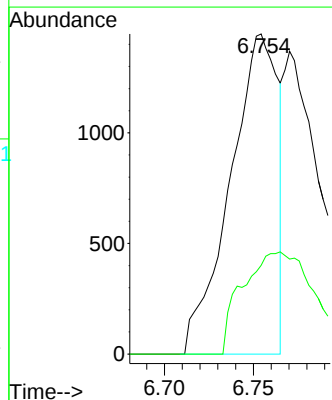
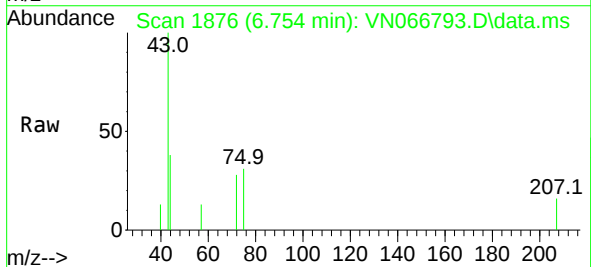


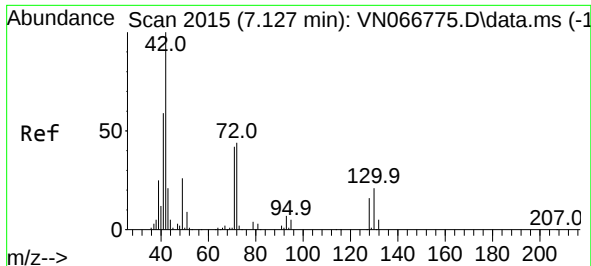
Tgt Ion: 84	Resp: 22006
Ion Ratio	Lower Upper
84 100	
49 124.2	94.6 141.8
51 37.7	29.9 44.9
86 63.5	51.4 77.2



#25
2-Butanone
Concen: 1.14 ug/l
RT: 6.754 min Scan# 1876
Delta R.T. 0.008 min
Lab File: VN066793.D
Acq: 27 Apr 2021 20:01

Tgt Ion: 43	Resp: 2689
Ion Ratio	Lower Upper
43 100	
72 27.7	23.1 34.7





#29

Tetrahydrofuran

Concen: 0.32 ug/l

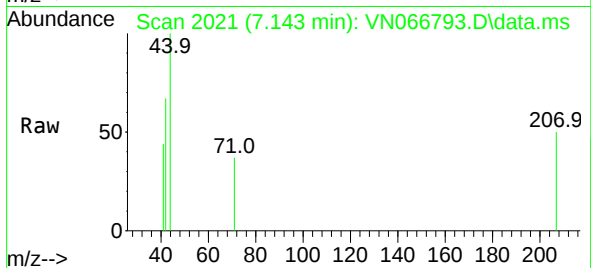
RT: 7.143 min Scan# 2021

Delta R.T. 0.016 min

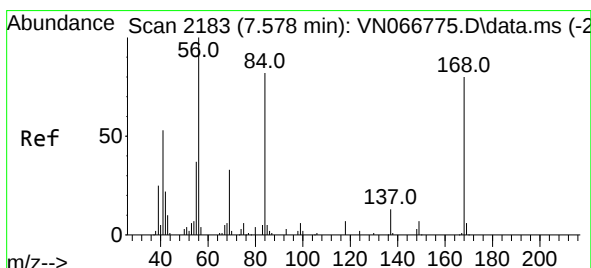
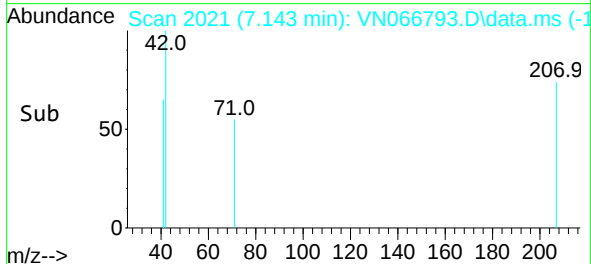
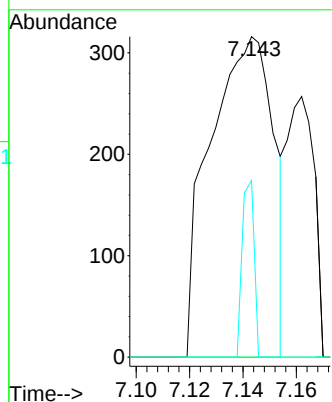
Lab File: VN066793.D

Acq: 27 Apr 2021 20:01

Instrument :
MSVOA_N
ClientSampled :



Tgt Ion:	42	Resp:	520
Ion Ratio	100	Lower	Upper
42	100		
72	0.0	36.6	55.0#
71	10.4	34.3	51.5#



#31

Cyclohexane

Concen: 0.92 ug/l

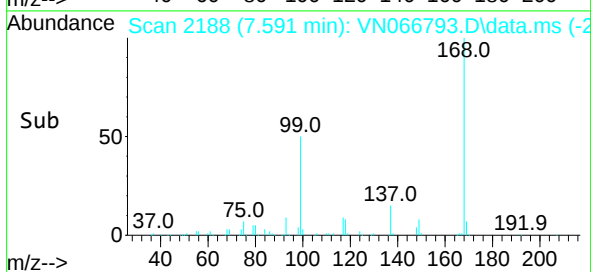
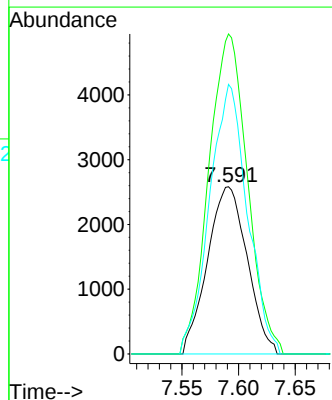
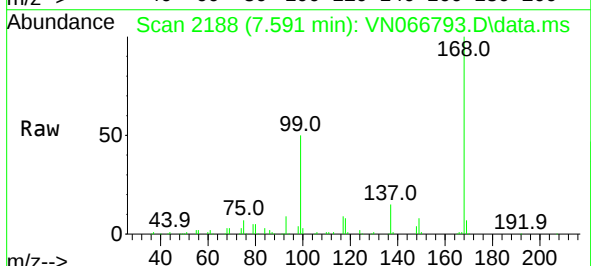
RT: 7.591 min Scan# 2188

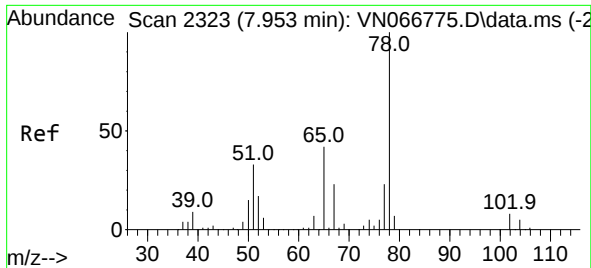
Delta R.T. 0.013 min

Lab File: VN066793.D

Acq: 27 Apr 2021 20:01

Tgt Ion:	56	Resp:	6305
Ion Ratio	100	Lower	Upper
56	100		
69	191.4	26.6	39.8#
84	161.2	70.4	105.6#

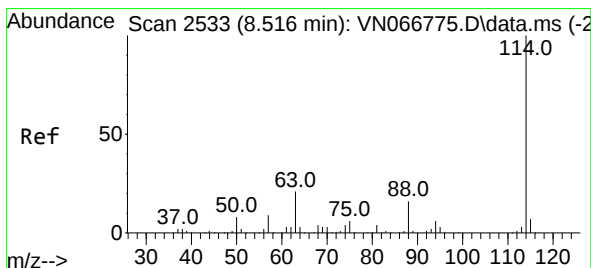
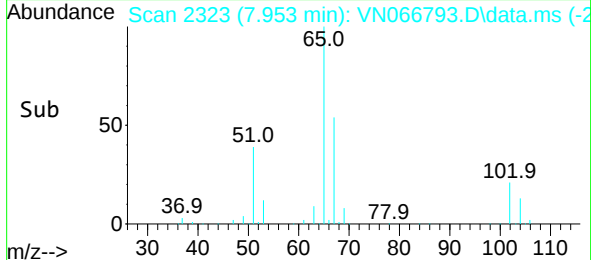
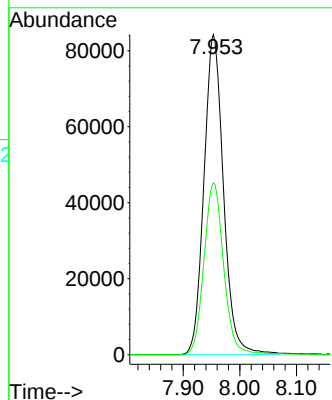
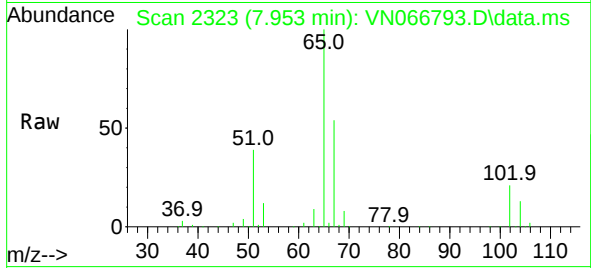




#33
 1,2-Dichloroethane-d4
 Concen: 45.50 ug/l
 RT: 7.953 min Scan# 2323
 Delta R.T. 0.000 min
 Lab File: VN066793.D
 Acq: 27 Apr 2021 20:01

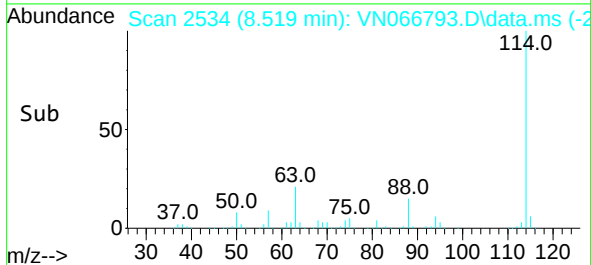
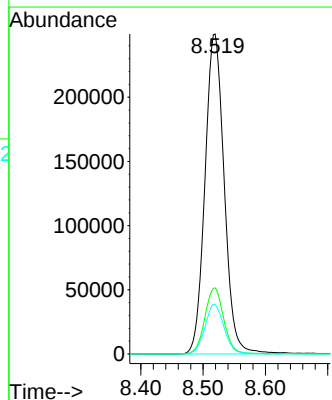
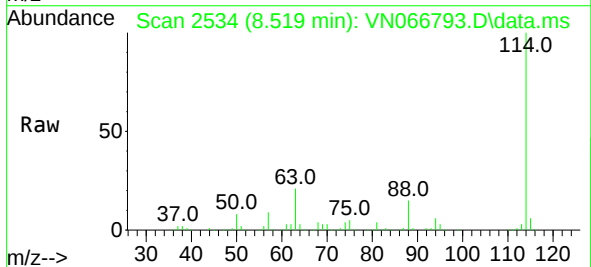
Instrument :
 MSVOA_N
 ClientSampled :

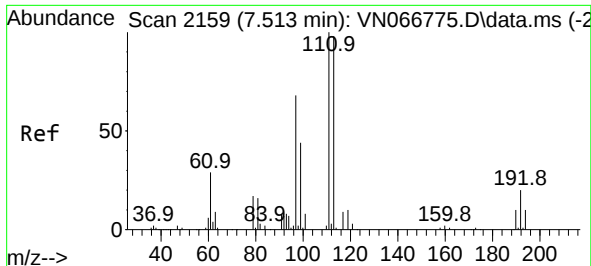
Tgt Ion: 65 Resp: 202167
 Ion Ratio Lower Upper
 65 100
 67 54.0 0.0 107.2



#34
 1,4-Difluorobenzene
 Concen: 50.00 ug/l
 RT: 8.519 min Scan# 2534
 Delta R.T. 0.003 min
 Lab File: VN066793.D
 Acq: 27 Apr 2021 20:01

Tgt Ion: 114 Resp: 535110
 Ion Ratio Lower Upper
 114 100
 63 20.6 0.0 38.6
 88 15.5 0.0 30.6

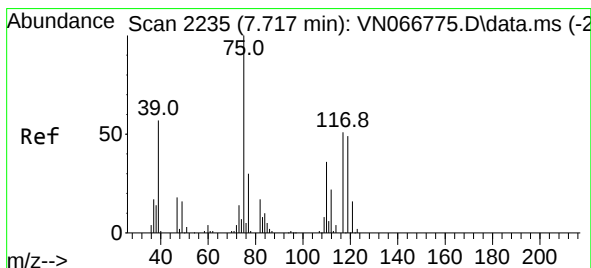
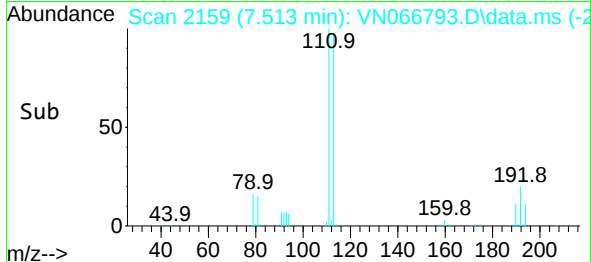
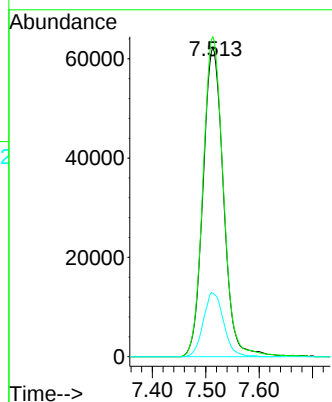
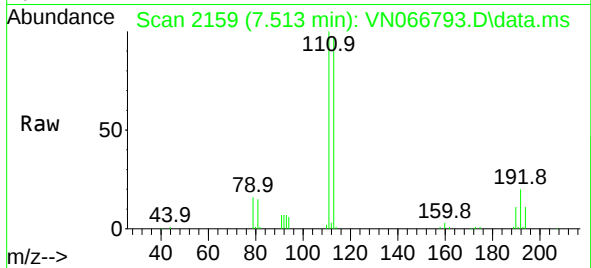




#35
Dibromofluoromethane
Concen: 50.04 ug/l
RT: 7.513 min Scan# 2159
Delta R.T. 0.000 min
Lab File: VN066793.D
Acq: 27 Apr 2021 20:01

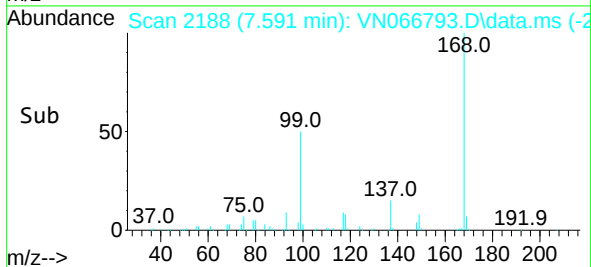
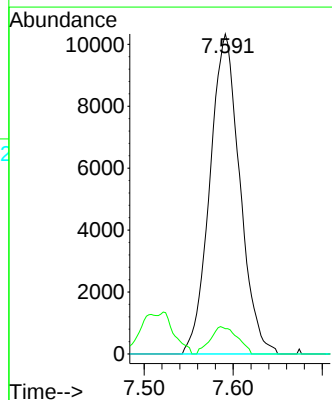
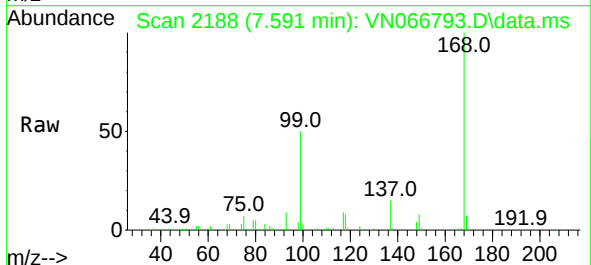
Instrument :
MSVOA_N
ClientSampled :

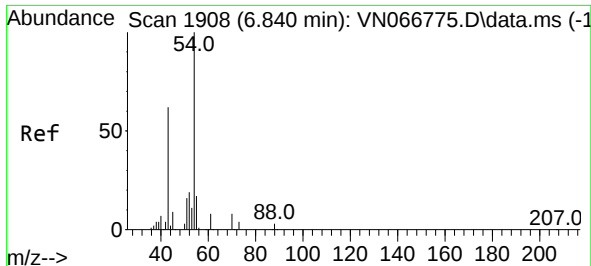
Tgt Ion:113 Resp: 165300
Ion Ratio Lower Upper
113 100
111 103.1 82.2 123.2
192 20.5 15.4 23.0



#36
1,1-Dichloropropene
Concen: 4.86 ug/l
RT: 7.591 min Scan# 2188
Delta R.T. -0.126 min
Lab File: VN066793.D
Acq: 27 Apr 2021 20:01

Tgt Ion: 75 Resp: 24169
Ion Ratio Lower Upper
75 100
110 7.7 18.2 54.6#
77 0.0 24.9 37.3#





#37

Ethyl Acetate

Concen: 0.51 ug/l

RT: 6.754 min Scan# 1876

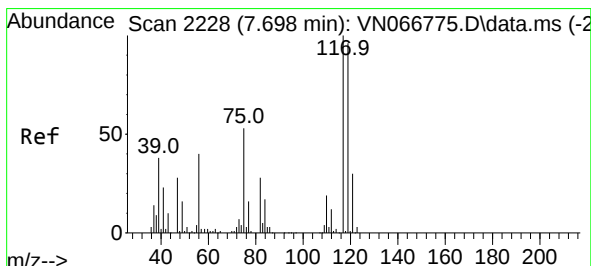
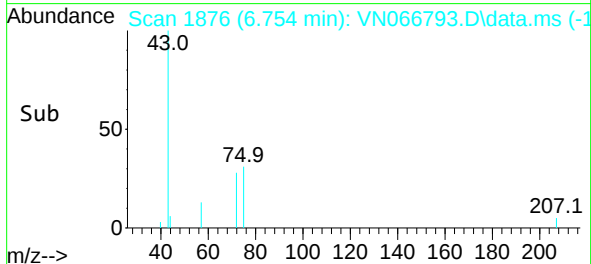
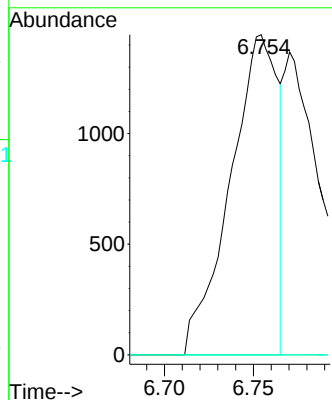
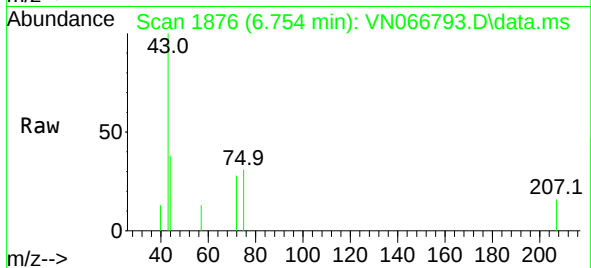
Delta R.T. -0.086 min

Lab File: VN066793.D

Acq: 27 Apr 2021 20:01

Instrument :
MSVOA_N
ClientSampled :

Tgt Ion:	43	Resp:	2689
Ion	Ratio	Lower	Upper
43	100		
61	0.0	11.6	17.4#
70	0.0	8.6	13.0#



#38

Carbon Tetrachloride

Concen: 6.15 ug/l

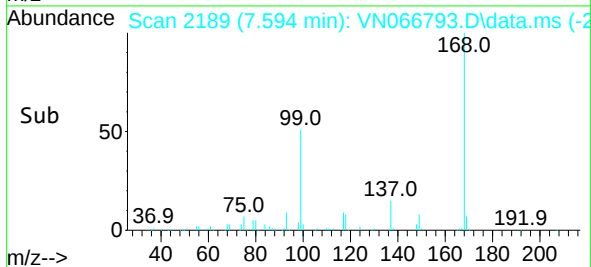
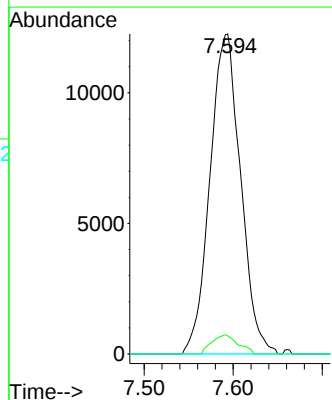
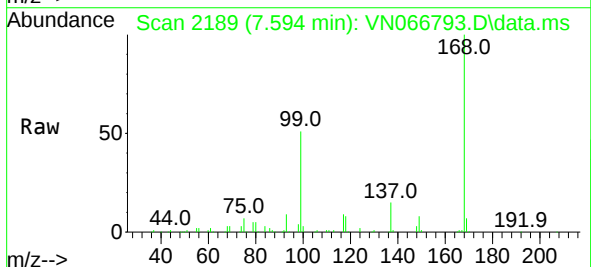
RT: 7.594 min Scan# 2189

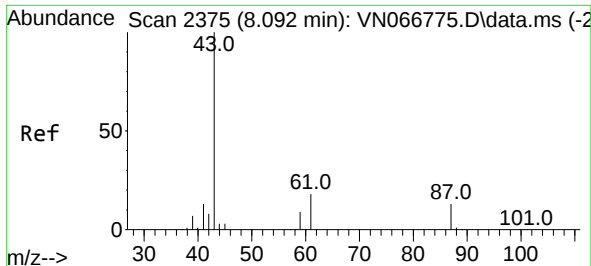
Delta R.T. -0.104 min

Lab File: VN066793.D

Acq: 27 Apr 2021 20:01

Tgt Ion:	117	Resp:	29337
Ion	Ratio	Lower	Upper
117	100		
119	5.6	76.0	114.0#
121	0.0	24.5	36.7#

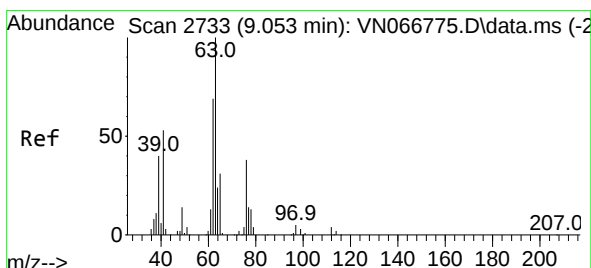
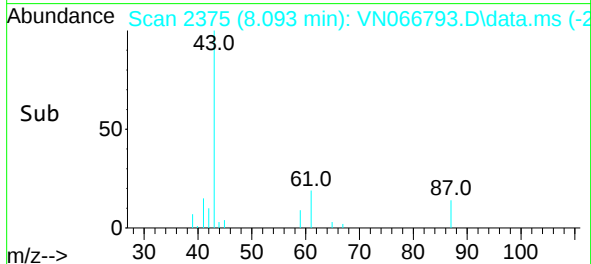
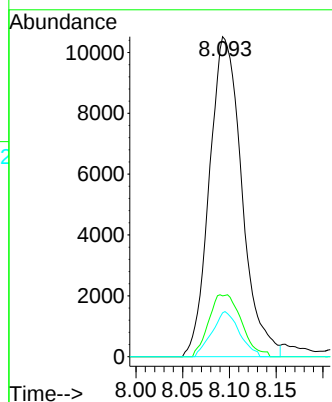
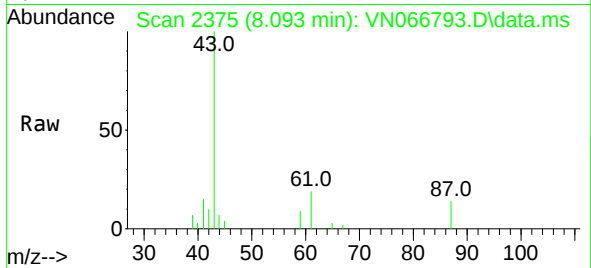




#43
Isopropyl Acetate
Concen: 3.02 ug/l
RT: 8.093 min Scan# 2375
Delta R.T. 0.001 min
Lab File: VN066793.D
Acq: 27 Apr 2021 20:01

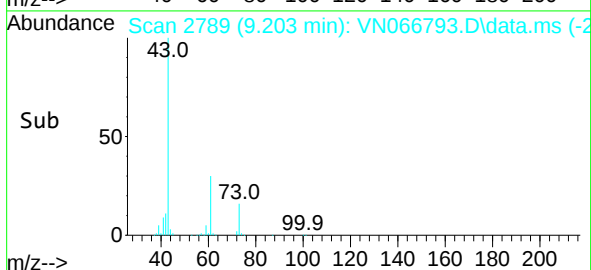
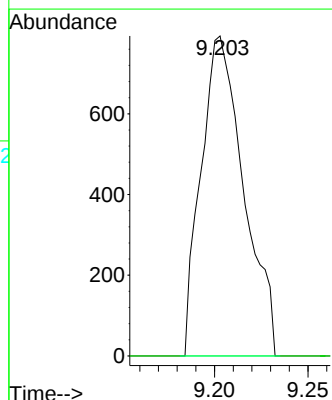
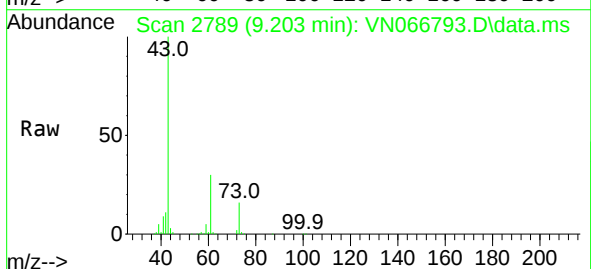
Instrument :
MSVOA_N
ClientSampled :

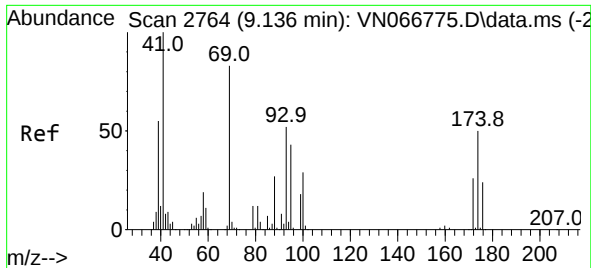
Tgt Ion	Ratio	Lower	Upper
43	100		
61	19.5	22.5	33.7#
87	11.9	11.1	16.7



#45
1,2-Dichloropropane
Concen: 0.31 ug/l
RT: 9.203 min Scan# 2789
Delta R.T. 0.150 min
Lab File: VN066793.D
Acq: 27 Apr 2021 20:01

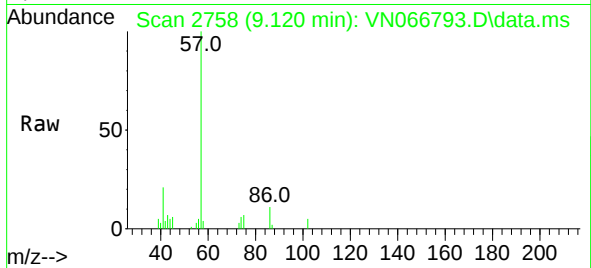
Tgt Ion	Ratio	Lower	Upper
63	100		
65	0.0	24.9	37.3#



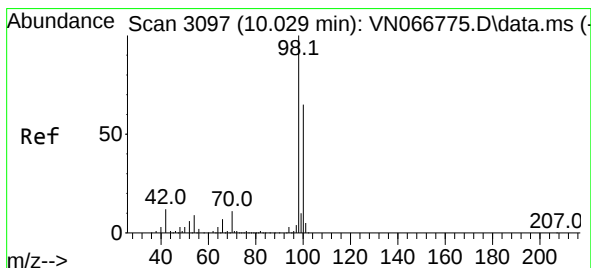
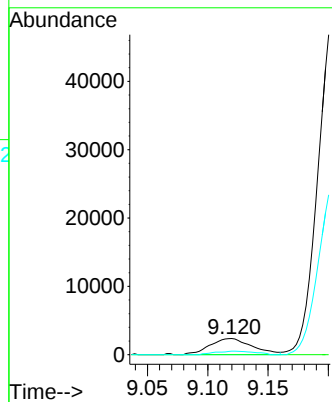
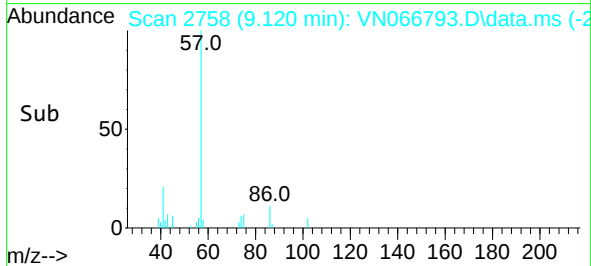


#48
Methyl methacrylate
Concen: 1.57 ug/l
RT: 9.120 min Scan# 2758
Delta R.T. -0.016 min
Lab File: VN066793.D
Acq: 27 Apr 2021 20:01

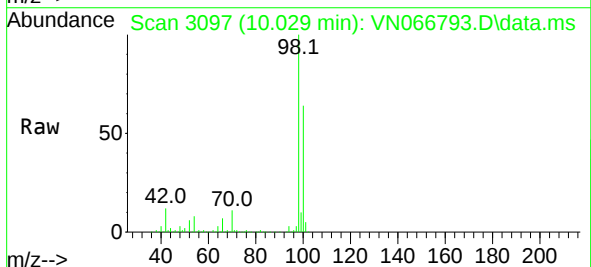
Instrument :
MSVOA_N
ClientSampled :



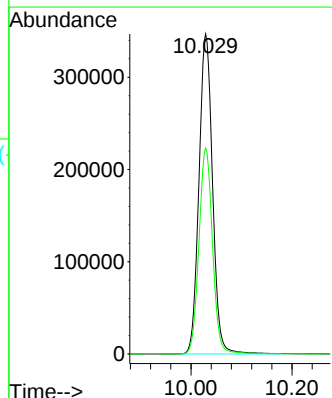
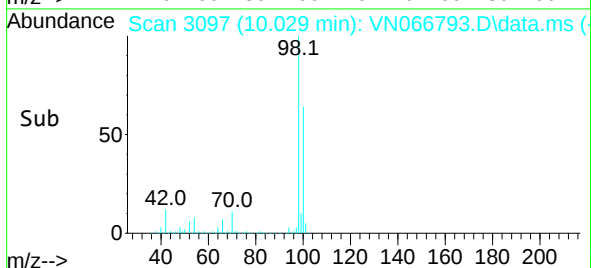
Tgt Ion: 41 Resp: 5759
Ion Ratio Lower Upper
41 100
69 0.0 75.9 113.9#
39 0.0 46.6 69.8#

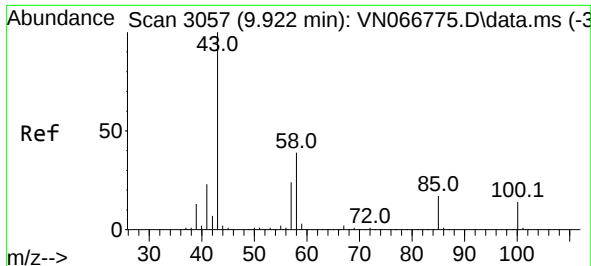


#50
Toluene-d8
Concen: 50.01 ug/l
RT: 10.029 min Scan# 3097
Delta R.T. -0.000 min
Lab File: VN066793.D
Acq: 27 Apr 2021 20:01



Tgt Ion: 98 Resp: 648338
Ion Ratio Lower Upper
98 100
100 64.3 50.5 75.7

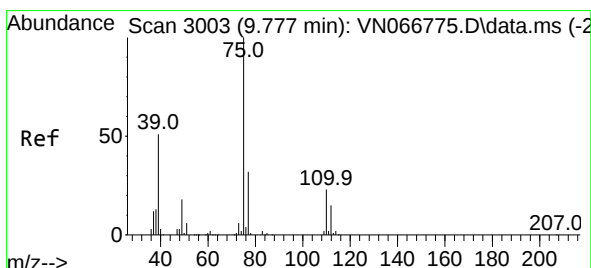
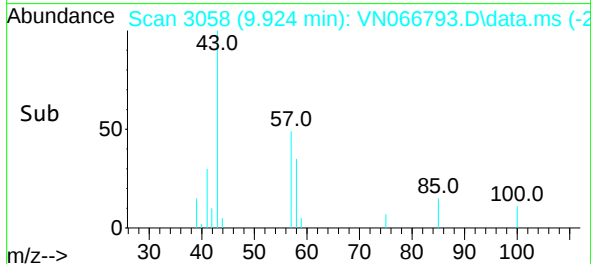
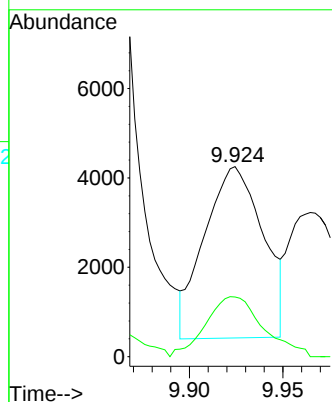
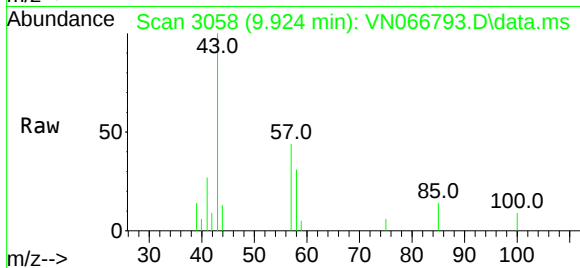




#51
4-Methyl-2-Pentanone
Concen: 1.83 ug/l
RT: 9.924 min Scan# 3058
Delta R.T. 0.002 min
Lab File: VN066793.D
Acq: 27 Apr 2021 20:01

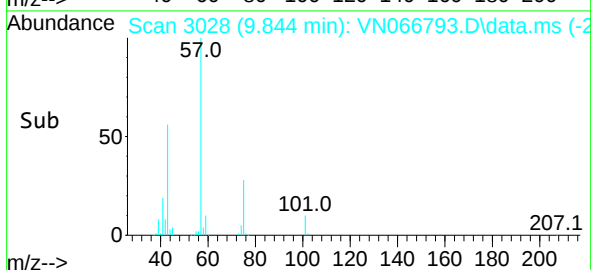
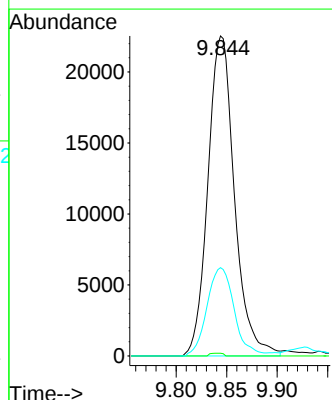
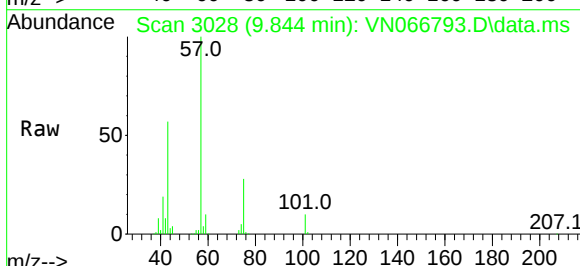
Instrument :
MSVOA_N
ClientSampled :

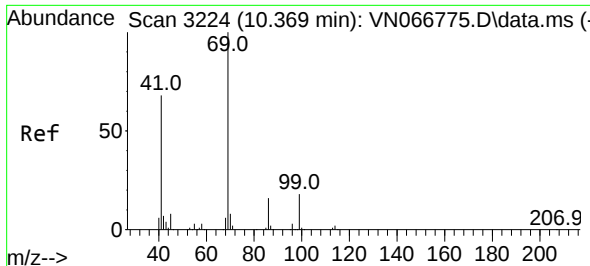
Tgt Ion: 43 Resp: 8365
Ion Ratio Lower Upper
43 100
58 34.2 32.5 48.7



#54
cis-1,3-Dichloropropene
Concen: 6.52 ug/l
RT: 9.844 min Scan# 3028
Delta R.T. 0.067 min
Lab File: VN066793.D
Acq: 27 Apr 2021 20:01

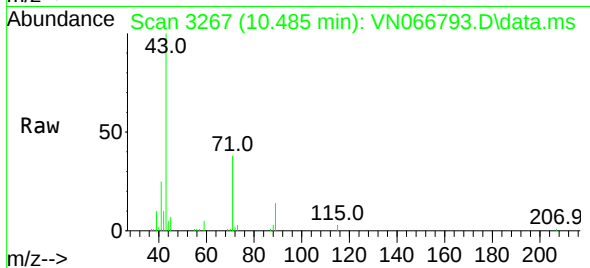
Tgt Ion: 75 Resp: 41250
Ion Ratio Lower Upper
75 100
77 0.8 24.9 37.3#
39 27.6 36.2 54.4#



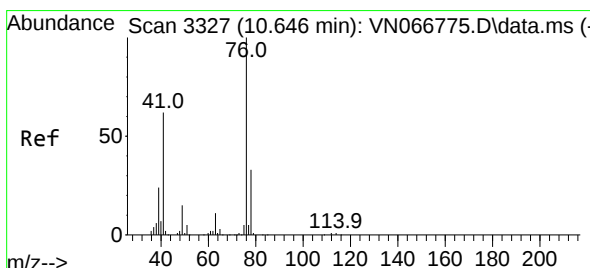
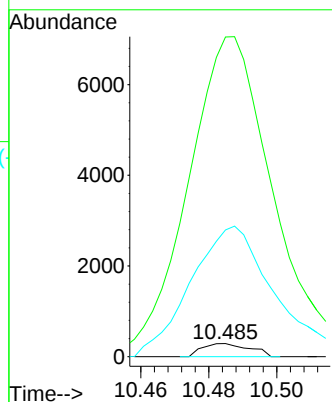
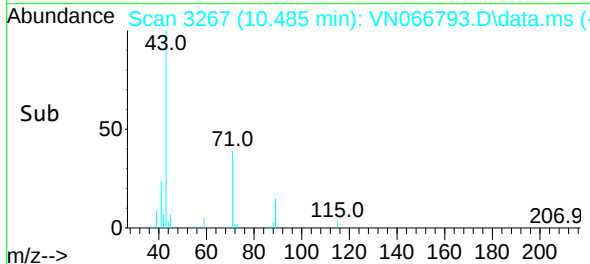


#56
Ethyl methacrylate
Concen: 3.21 ug/l
RT: 10.485 min Scan# 3267
Delta R.T. 0.116 min
Lab File: VN066793.D
Acq: 27 Apr 2021 20:01

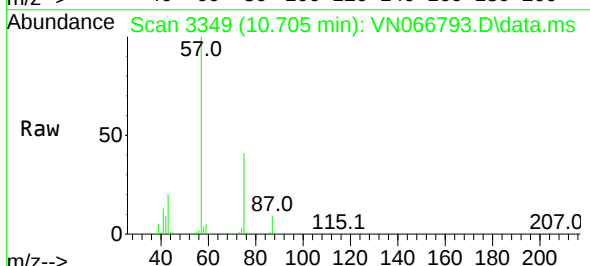
Instrument :
MSVOA_N
ClientSampled :



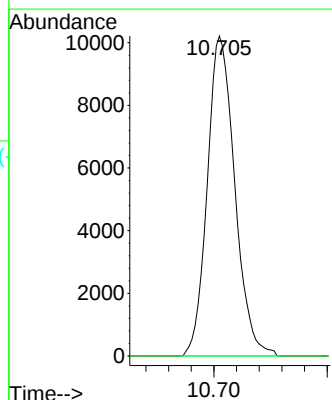
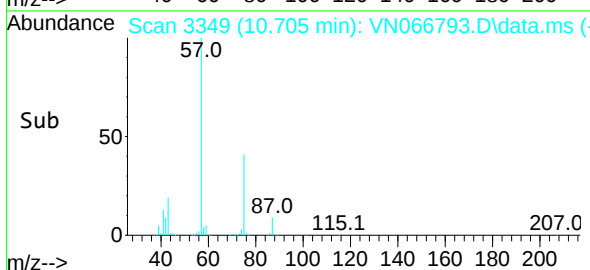
Tgt Ion: 69 Resp: 281
Ion Ratio Lower Upper
69 100
41 4535.6 49.6 74.4#
39 1807.8 28.0 42.0#

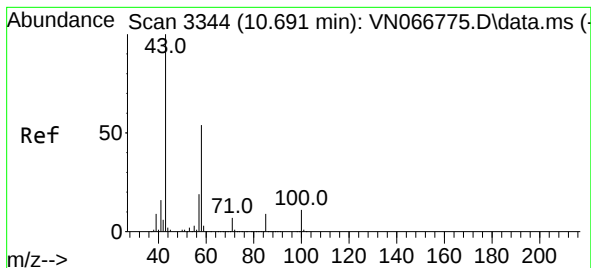


#57
1,3-Dichloropropane
Concen: 2.82 ug/l
RT: 10.705 min Scan# 3349
Delta R.T. 0.059 min
Lab File: VN066793.D
Acq: 27 Apr 2021 20:01



Tgt Ion: 76 Resp: 17203
Ion Ratio Lower Upper
76 100
78 0.0 25.7 38.5#

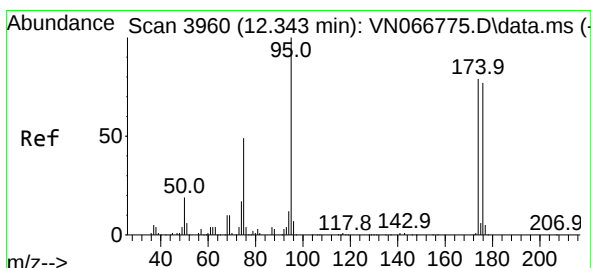
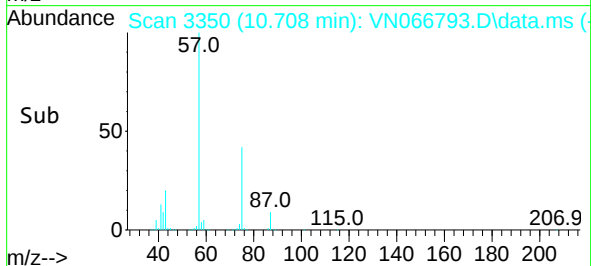
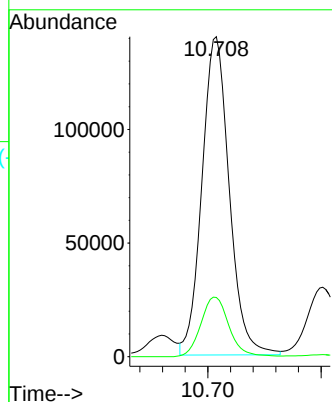
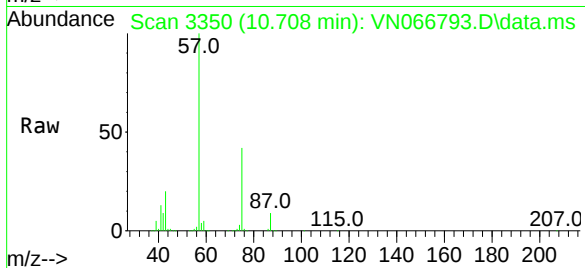




#59
2-Hexanone
Concen: 79.71 ug/l
RT: 10.708 min Scan# 3350
Delta R.T. 0.016 min
Lab File: VN066793.D
Acq: 27 Apr 2021 20:01

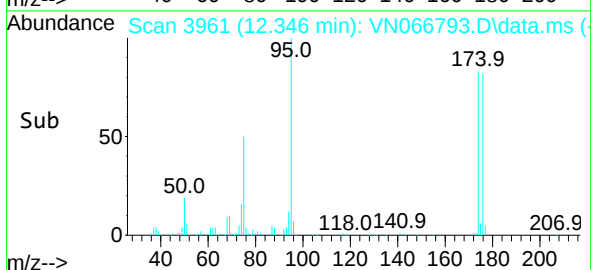
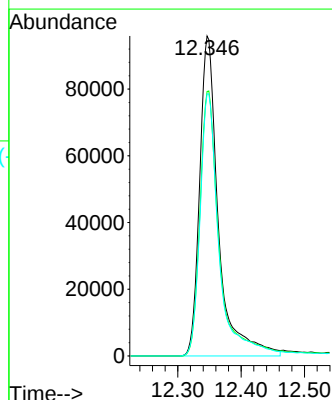
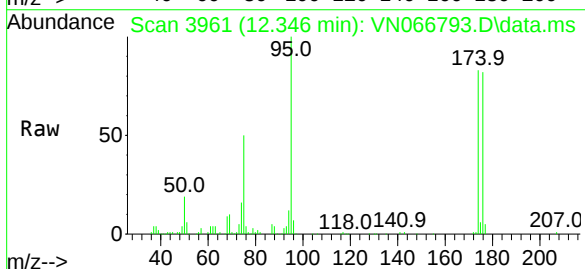
Instrument :
MSVOA_N
ClientSampled :

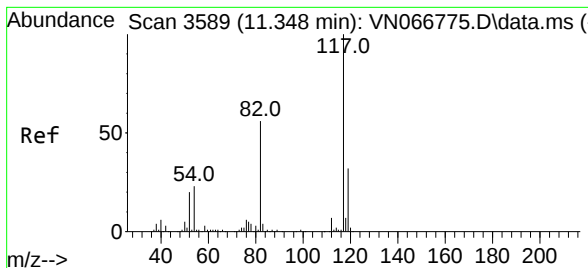
Tgt Ion: 43 Resp: 234245
Ion Ratio Lower Upper
43 100
58 19.3 28.1 84.3#



#62
4-Bromofluorobenzene
Concen: 45.00 ug/l
RT: 12.346 min Scan# 3961
Delta R.T. 0.003 min
Lab File: VN066793.D
Acq: 27 Apr 2021 20:01

Tgt Ion: 95 Resp: 197413
Ion Ratio Lower Upper
95 100
174 84.7 0.0 169.0
176 83.1 0.0 162.4

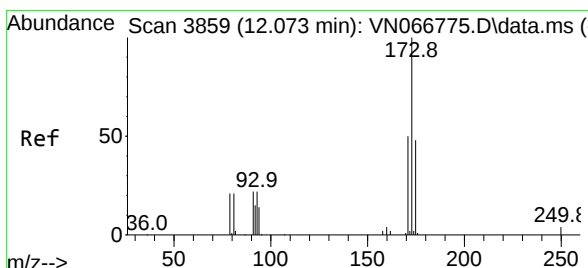
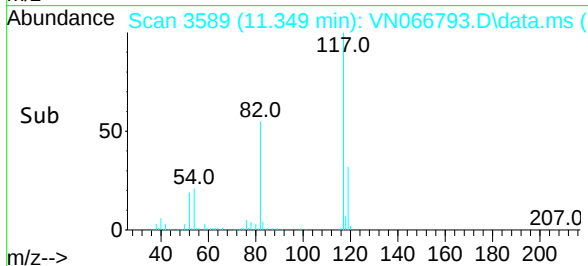
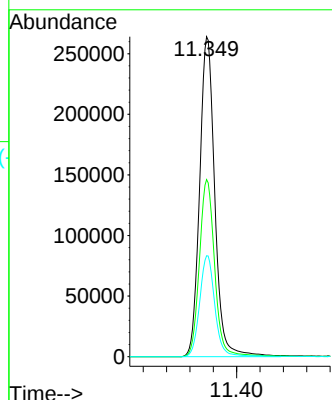
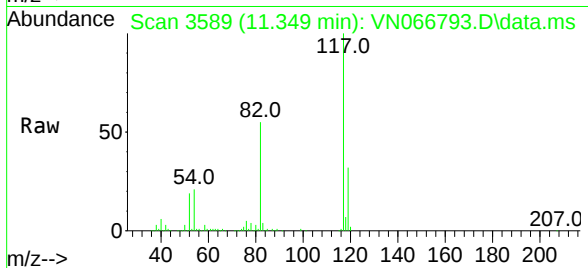




#63
Chlorobenzene-d5
Concen: 50.00 ug/l
RT: 11.349 min Scan# 3589
Delta R.T. 0.000 min
Lab File: VN066793.D
Acq: 27 Apr 2021 20:01

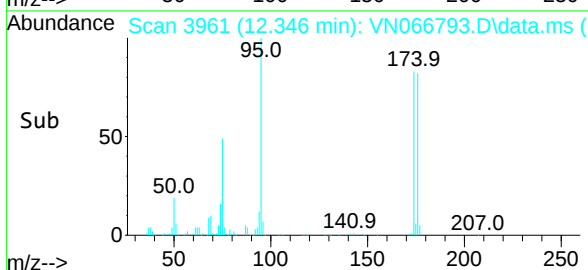
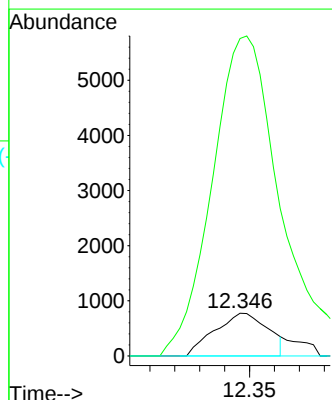
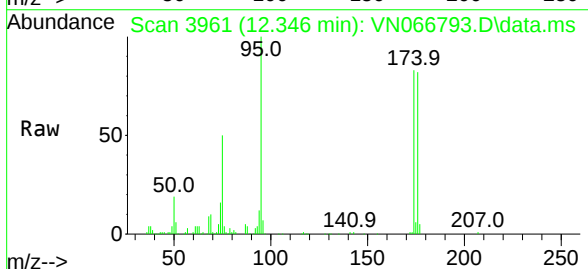
Instrument :
MSVOA_N
ClientSampled :

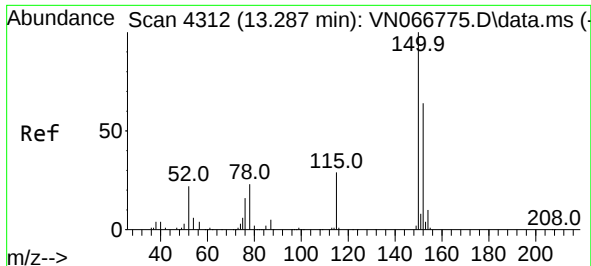
Tgt Ion:117 Resp: 476643
Ion Ratio Lower Upper
117 100
82 55.4 43.7 65.5
119 31.6 26.1 39.1



#71
Bromoform
Concen: 0.45 ug/l
RT: 12.346 min Scan# 3961
Delta R.T. 0.273 min
Lab File: VN066793.D
Acq: 27 Apr 2021 20:01

Tgt Ion:173 Resp: 1153
Ion Ratio Lower Upper
173 100
175 809.5 23.8 71.2#
254 0.0 0.0 0.0

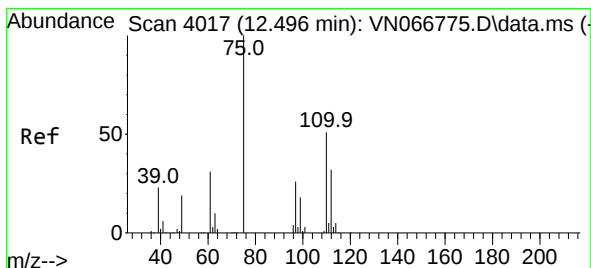
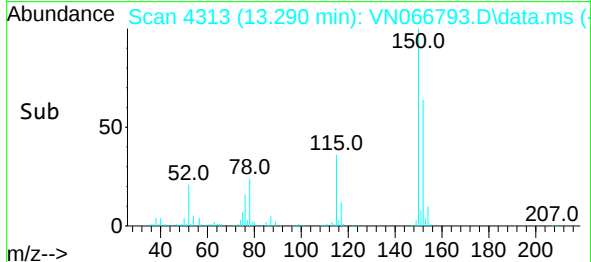
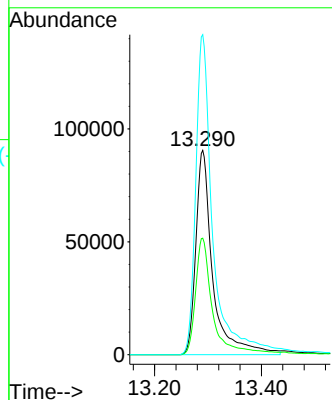
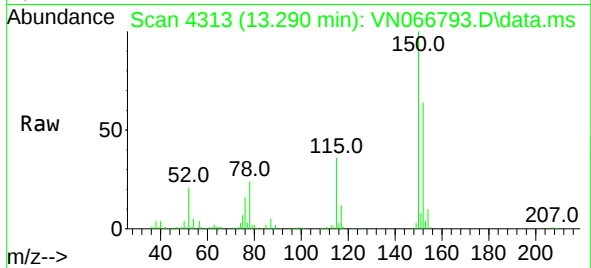




#72
1,4-Dichlorobenzene-d4
Concen: 50.00 ug/l
RT: 13.290 min Scan# 4313
Delta R.T. 0.003 min
Lab File: VN066793.D
Acq: 27 Apr 2021 20:01

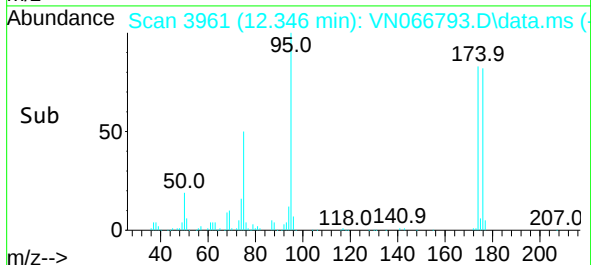
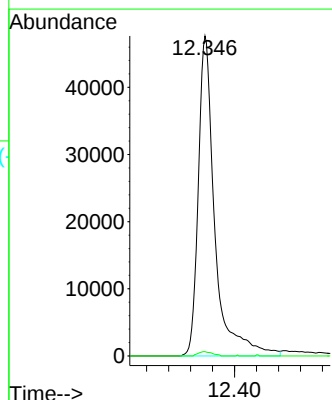
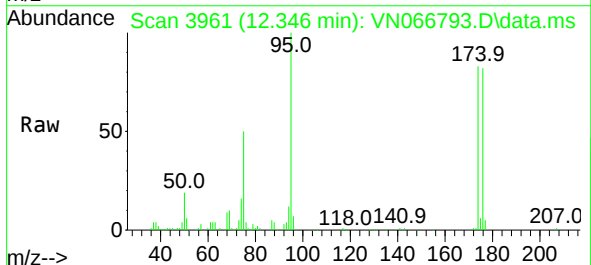
Instrument :
MSVOA_N
ClientSampled :

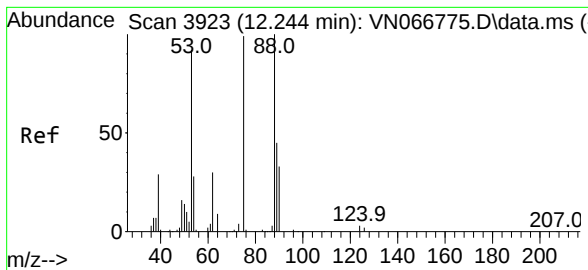
Tgt Ion:152 Resp: 200901
Ion Ratio Lower Upper
152 100
115 57.5 28.5 85.6
150 160.5 0.0 347.6



#76
1,2,3-Trichloropropane
Concen: 23.50 ug/l
RT: 12.346 min Scan# 3961
Delta R.T. -0.150 min
Lab File: VN066793.D
Acq: 27 Apr 2021 20:01

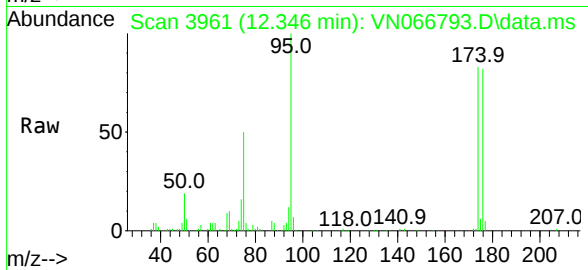
Tgt Ion: 75 Resp: 99498
Ion Ratio Lower Upper
75 100
77 1.2 0.0 0.0#





#81
 trans-1,4-Dichloro-2-butene
 Concen: 63.42 ug/l
 RT: 12.346 min Scan# 3961
 Delta R.T. 0.102 min
 Lab File: VN066793.D
 Acq: 27 Apr 2021 20:01

Instrument :
 MSVOA_N
 ClientSampleId :



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

