

Data Path : Z:\voasrv\HPCHEM1\MSVOA_N\Data\VN042721\
 Data File : VN066796.D
 Acq On : 27 Apr 2021 21:12
 Operator : JC/MD
 Sample : M2170-14
 Misc : 5.00mL/MSVOA_N/WATER
 ALS Vial : 26 Sample Multiplier: 1

Instrument :
 MSVOA_N
 ClientSampleId :

Quant Time: Apr 28 08:15:09 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)

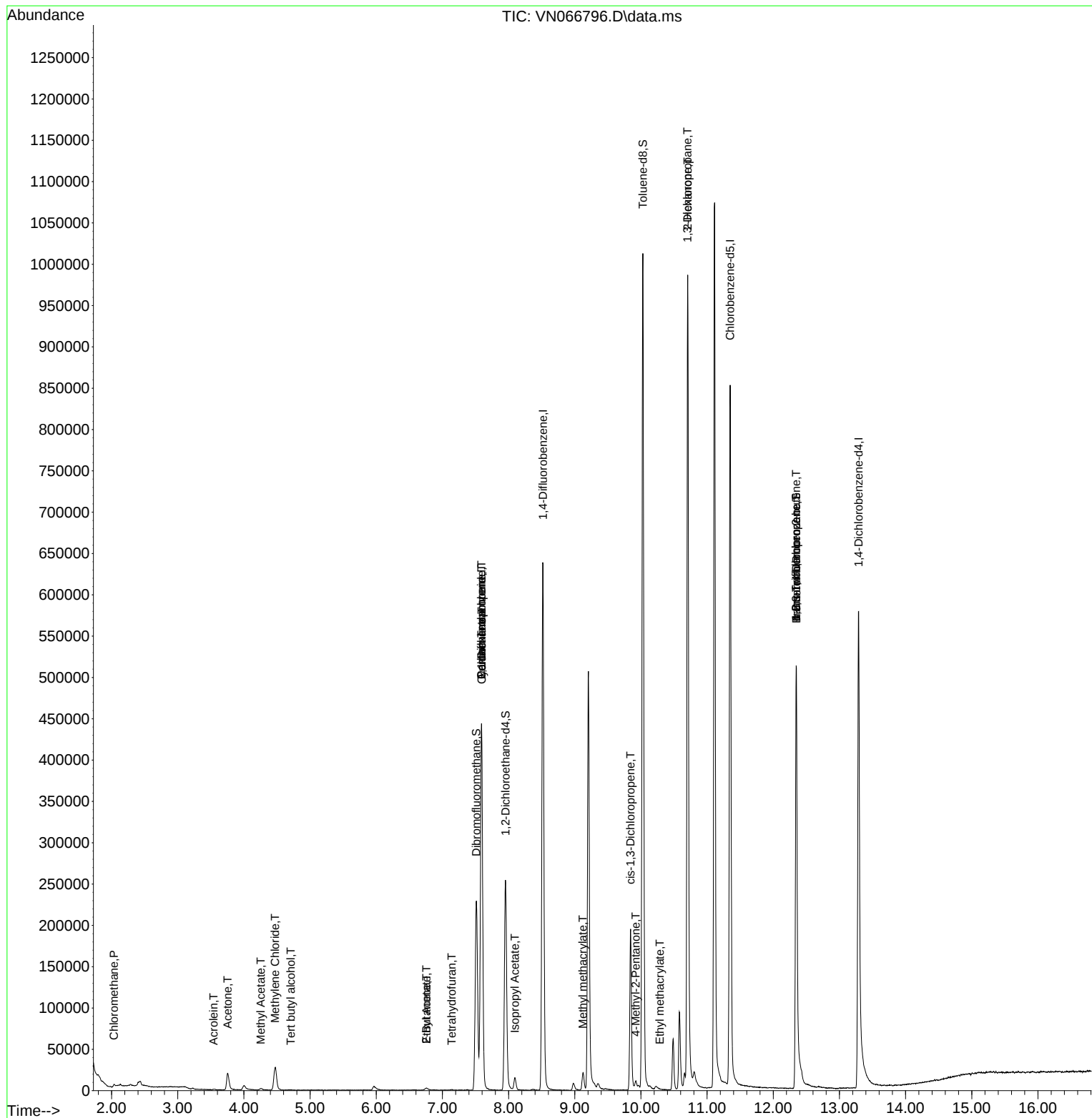
Internal Standards						
1) Pentafluorobenzene	7.591	168	389793	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	8.519	114	598578	50.00	ug/l	0.00
63) Chlorobenzene-d5	11.348	117	523531	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.290	152	219656	50.00	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	7.953	65	222557	44.44	ug/l	0.00
Spiked Amount 50.000	Range 61 - 141		Recovery = 88.88%			
35) Dibromofluoromethane	7.513	113	185739	50.27	ug/l	0.00
Spiked Amount 50.000	Range 69 - 133		Recovery = 100.54%			
50) Toluene-d8	10.029	98	719743	49.63	ug/l	0.00
Spiked Amount 50.000	Range 65 - 126		Recovery = 99.26%			
62) 4-Bromofluorobenzene	12.346	95	219164	44.66	ug/l	0.00
Spiked Amount 50.000	Range 58 - 135		Recovery = 89.32%			
Target Compounds					Qvalue	
3) Chloromethane	2.037	50	1274	0.23	ug/l	91
11) Tert butyl alcohol	4.708	59	177	0.23	ug/l #	73
13) Acrolein	3.541	56	284	0.44	ug/l	87
16) Acetone	3.753	43	35504	18.79	ug/l	95
18) Methyl Acetate	4.255	43	4191	1.92	ug/l #	84
20) Methylene Chloride	4.472	84	21700	4.53	ug/l	97
25) 2-Butanone	6.757	43	5384	2.03	ug/l	90
29) Tetrahydrofuran	7.140	42	458	0.25	ug/l #	32
31) Cyclohexane	7.594	56	6848	0.88	ug/l #	1
36) 1,1-Dichloropropene	7.591	75	26967	4.85	ug/l #	48
37) Ethyl Acetate	6.757	43	5384	0.91	ug/l #	68
38) Carbon Tetrachloride	7.591	117	33944	6.36	ug/l #	16
43) Isopropyl Acetate	8.095	43	18561	1.98	ug/l #	88
48) Methyl methacrylate	9.122	41	4897	1.20	ug/l #	10
51) 4-Methyl-2-Pentanone	9.922	43	6921	1.36	ug/l	97
54) cis-1,3-Dichloropropene	9.844	75	37360	5.28	ug/l #	60
56) Ethyl methacrylate	10.284	69	204	3.20	ug/l #	27
57) 1,3-Dichloropropane	10.705	76	10724	1.57	ug/l #	43
59) 2-Hexanone	10.707	43	147461	53.40	ug/l #	50
71) Bromoform	12.349	173	1321	0.46	ug/l #	1
76) 1,2,3-Trichloropropane	12.346	75	105027	22.69	ug/l #	100
81) trans-1,4-Dichloro-2-b...	12.346	75	105027	61.48	ug/l #	12

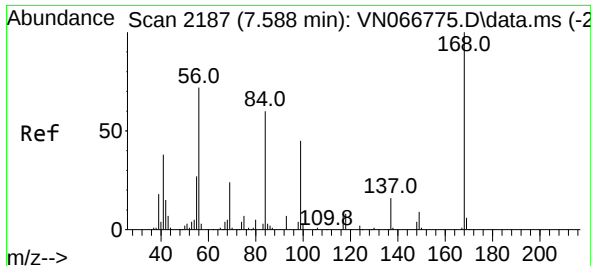
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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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

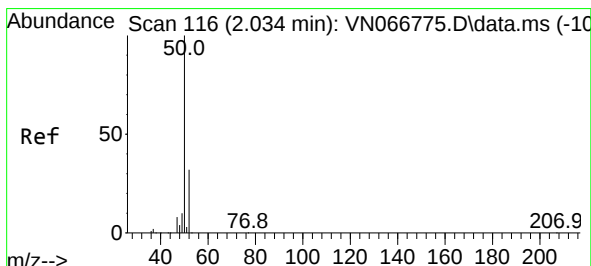
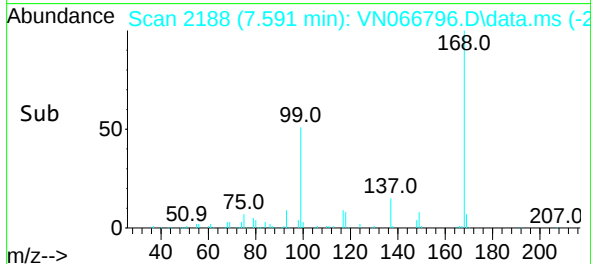
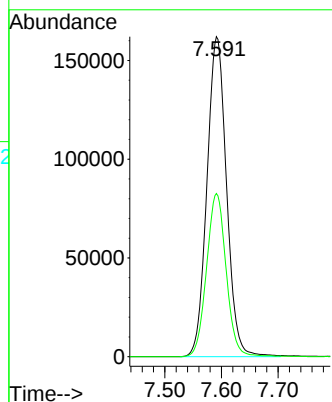
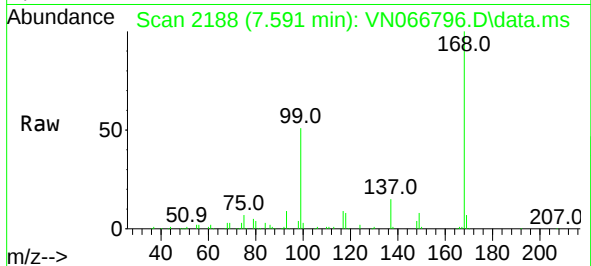




#1
Pentafluorobenzene
Concen: 50.00 ug/l
RT: 7.591 min Scan# 2188
Delta R.T. 0.003 min
Lab File: VN066796.D
Acq: 27 Apr 2021 21:12

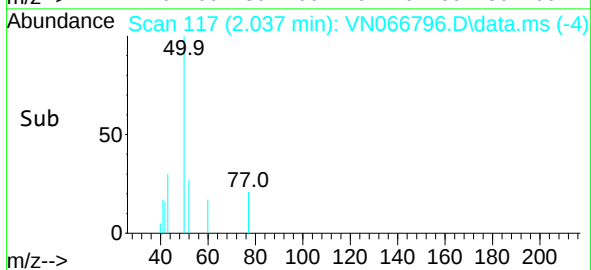
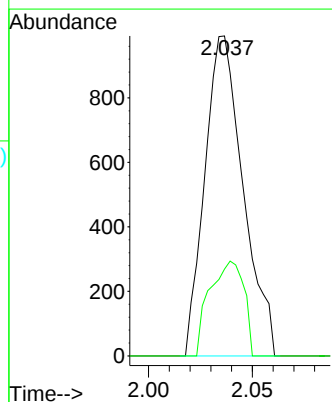
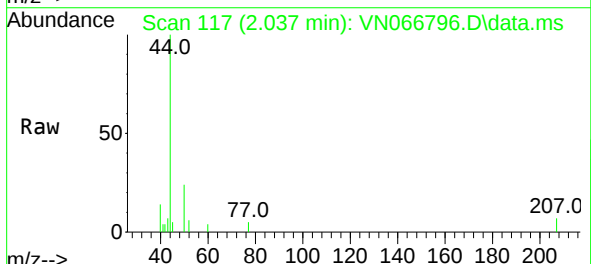
Instrument :
MSVOA_N
ClientSampled :

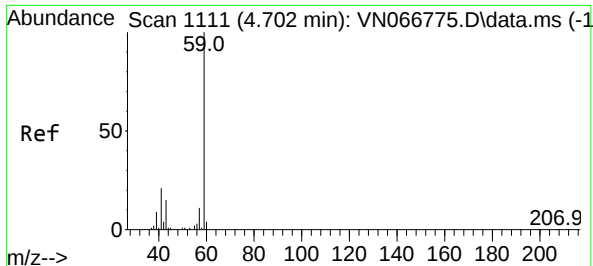
Tgt Ion:168 Resp: 389793
Ion Ratio Lower Upper
168 100
99 51.0 42.6 63.8



#3
Chloromethane
Concen: 0.23 ug/l
RT: 2.037 min Scan# 117
Delta R.T. 0.003 min
Lab File: VN066796.D
Acq: 27 Apr 2021 21:12

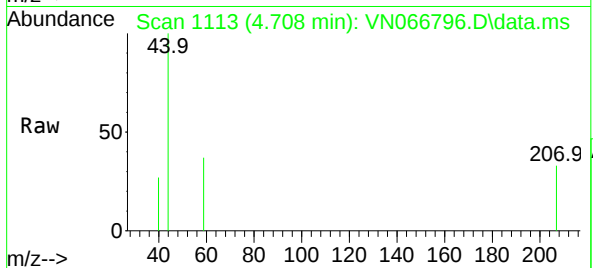
Tgt Ion: 50 Resp: 1274
Ion Ratio Lower Upper
50 100
52 27.1 25.8 38.8



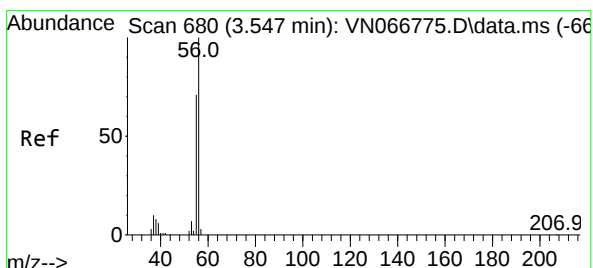
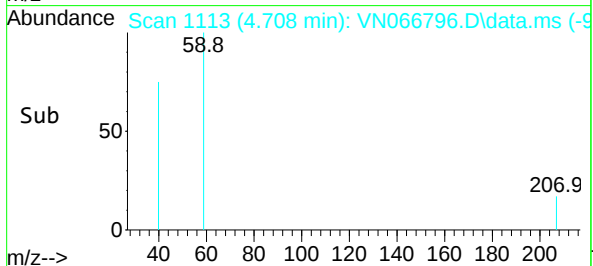
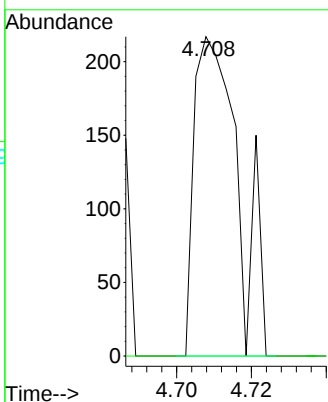


#11
Tert butyl alcohol
Concen: 0.23 ug/l
RT: 4.708 min Scan# 1113
Delta R.T. 0.006 min
Lab File: VN066796.D
Acq: 27 Apr 2021 21:12

Instrument :
MSVOA_N
ClientSampled :

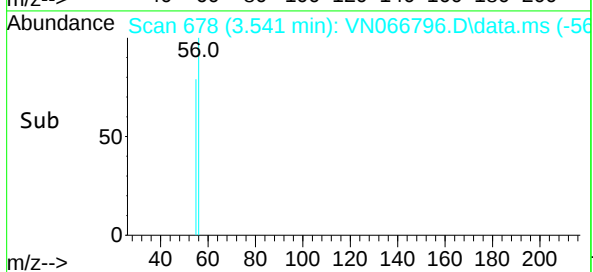
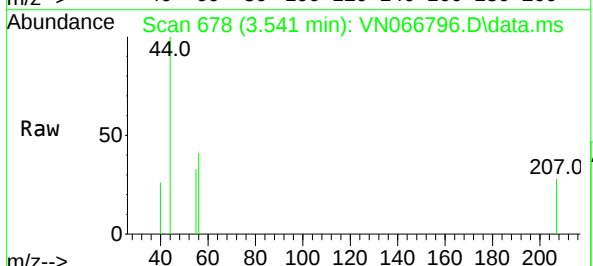
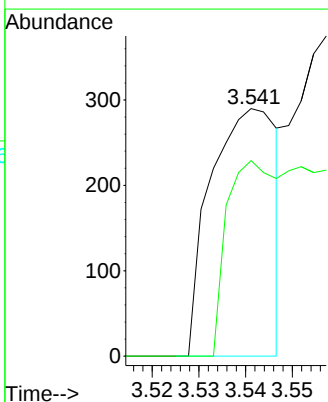


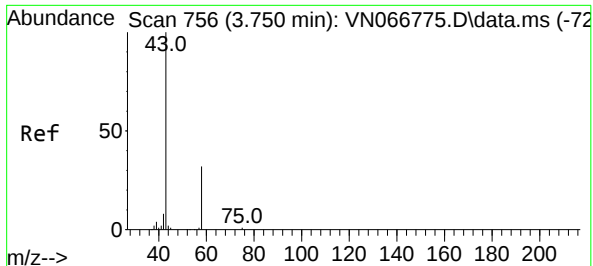
Tgt Ion: 59 Resp: 177
Ion Ratio Lower Upper
59 100
57 0.0 8.0 12.0#



#13
Acrolein
Concen: 0.44 ug/l
RT: 3.541 min Scan# 678
Delta R.T. -0.006 min
Lab File: VN066796.D
Acq: 27 Apr 2021 21:12

Tgt Ion: 56 Resp: 284
Ion Ratio Lower Upper
56 100
55 59.2 56.0 84.0

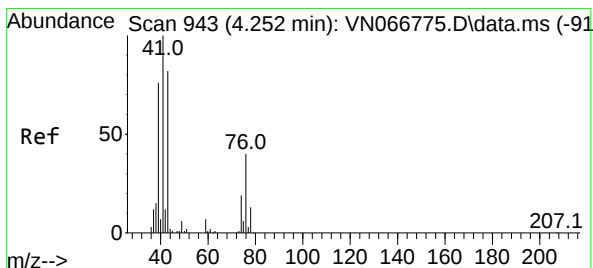
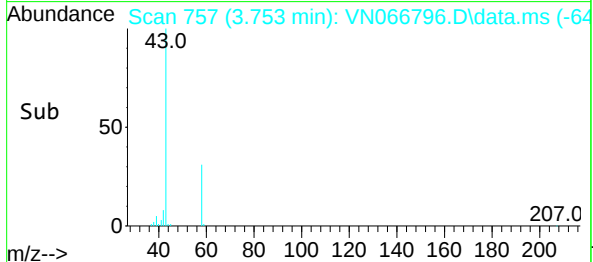
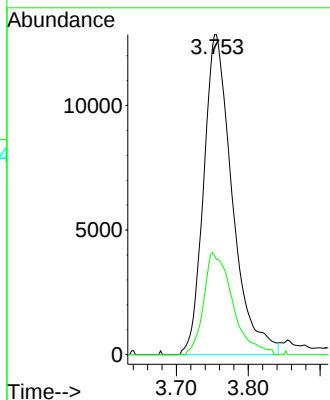
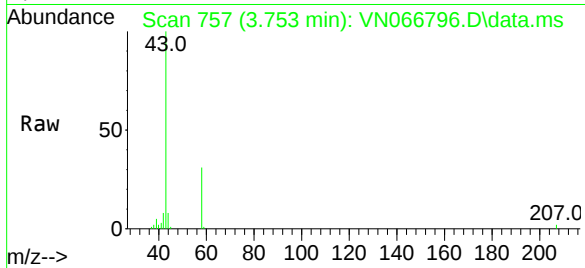




#16
Acetone
Concen: 18.79 ug/l
RT: 3.753 min Scan# 757
Delta R.T. 0.003 min
Lab File: VN066796.D
Acq: 27 Apr 2021 21:12

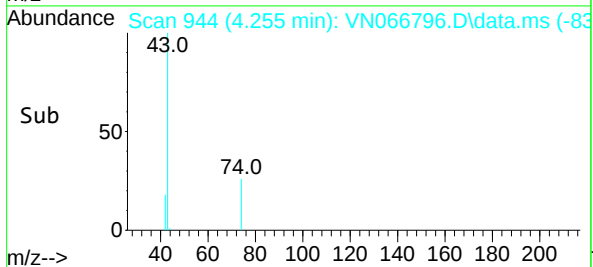
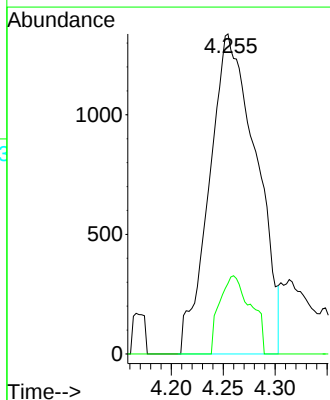
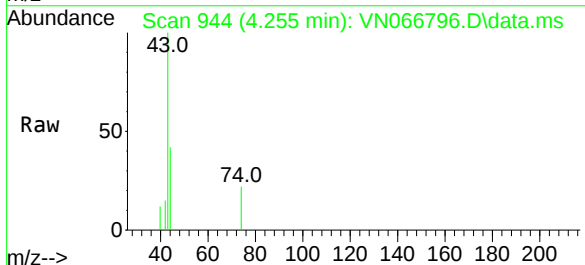
Instrument :
MSVOA_N
ClientSampled :

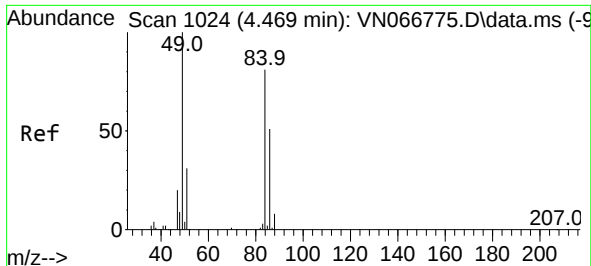
Tgt Ion: 43 Resp: 35504
Ion Ratio Lower Upper
43 100
58 30.8 27.0 40.6



#18
Methyl Acetate
Concen: 1.92 ug/l
RT: 4.255 min Scan# 944
Delta R.T. 0.003 min
Lab File: VN066796.D
Acq: 27 Apr 2021 21:12

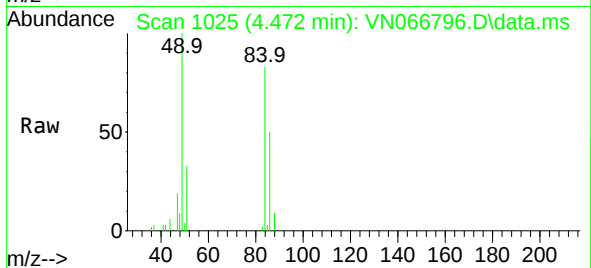
Tgt Ion: 43 Resp: 4191
Ion Ratio Lower Upper
43 100
74 16.3 19.5 29.3#



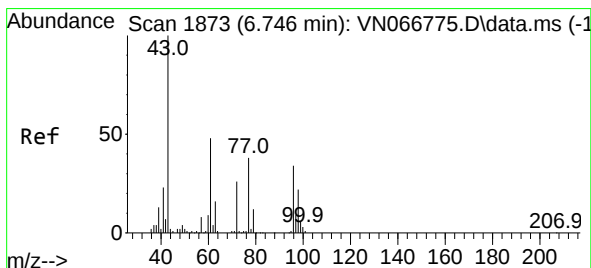
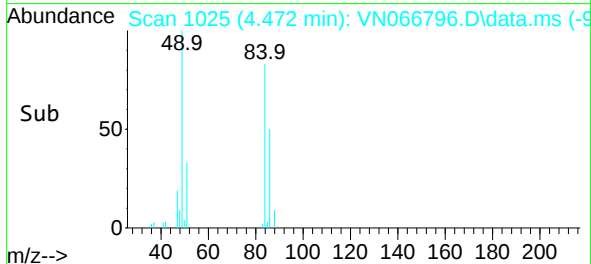
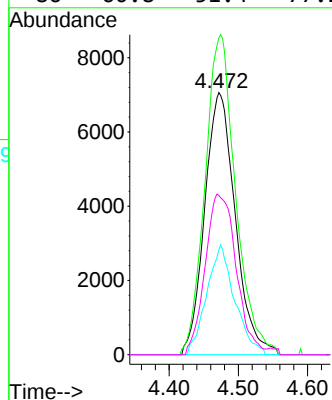


#20
Methylene Chloride
Concen: 4.53 ug/l
RT: 4.472 min Scan# 1025
Delta R.T. 0.003 min
Lab File: VN066796.D
Acq: 27 Apr 2021 21:12

Instrument :
MSVOA_N
ClientSampled :

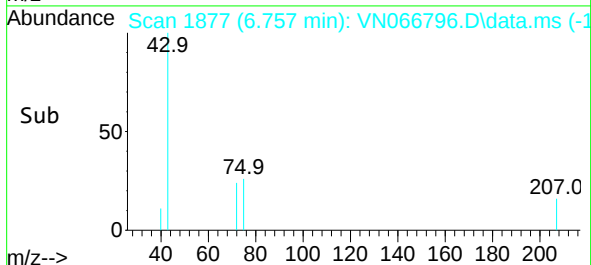
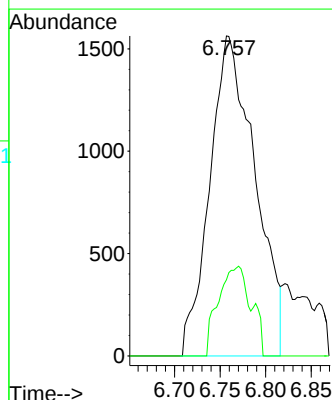
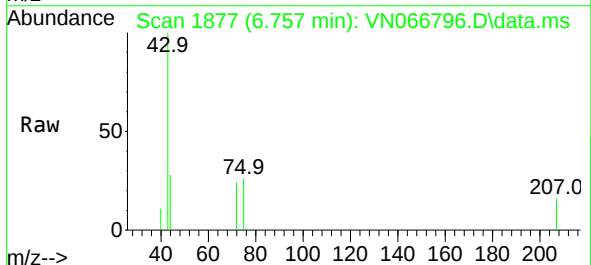


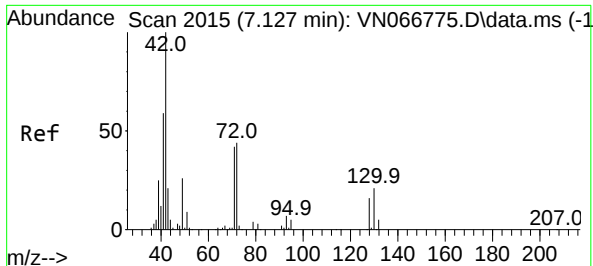
Tgt Ion: 84	Resp: 21700
Ion Ratio	Lower Upper
84 100	
49 120.9	94.6 141.8
51 40.0	29.9 44.9
86 60.8	51.4 77.2



#25
2-Butanone
Concen: 2.03 ug/l
RT: 6.757 min Scan# 1877
Delta R.T. 0.011 min
Lab File: VN066796.D
Acq: 27 Apr 2021 21:12

Tgt Ion: 43	Resp: 5384		
Ion Ratio	Lower	Upper	
43 100			
72 23.8	23.1	34.7	





#29

Tetrahydrofuran

Concen: 0.25 ug/l

RT: 7.140 min Scan# 2020

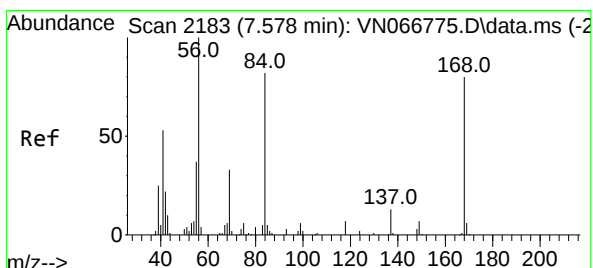
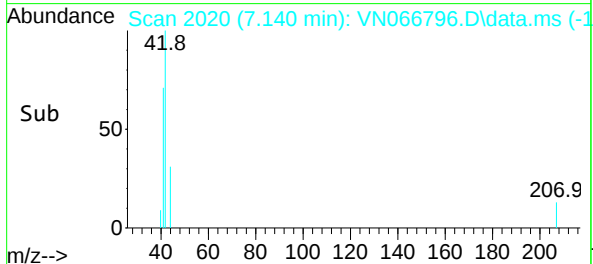
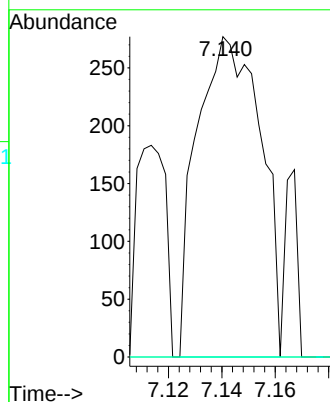
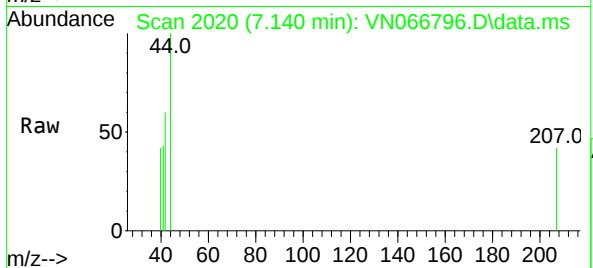
Delta R.T. 0.013 min

Lab File: VN066796.D

Acq: 27 Apr 2021 21:12

Instrument :
MSVOA_N
ClientSampled :

Tgt Ion:	42	Resp:	458
Ion	Ratio	Lower	Upper
42	100		
72	0.0	36.6	55.0#
71	0.0	34.3	51.5#



#31

Cyclohexane

Concen: 0.88 ug/l

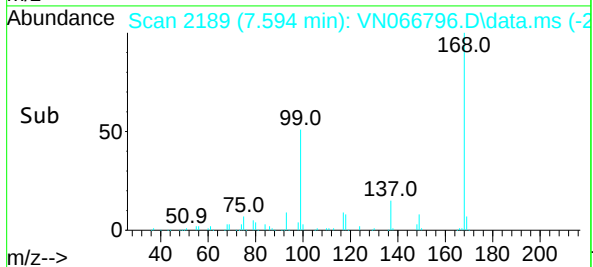
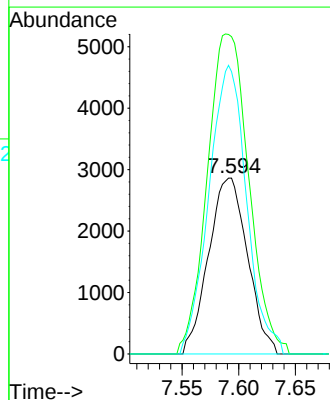
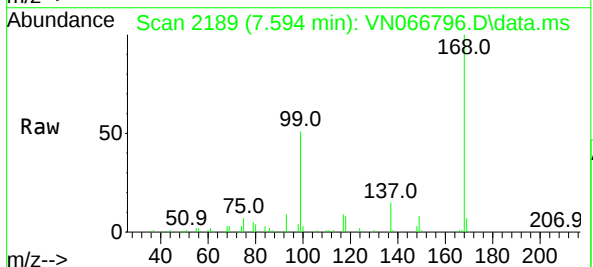
RT: 7.594 min Scan# 2189

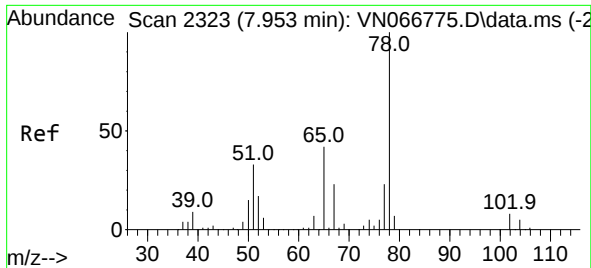
Delta R.T. 0.016 min

Lab File: VN066796.D

Acq: 27 Apr 2021 21:12

Tgt Ion:	56	Resp:	6848
Ion	Ratio	Lower	Upper
56	100		
69	174.4	26.6	39.8#
84	160.5	70.4	105.6#

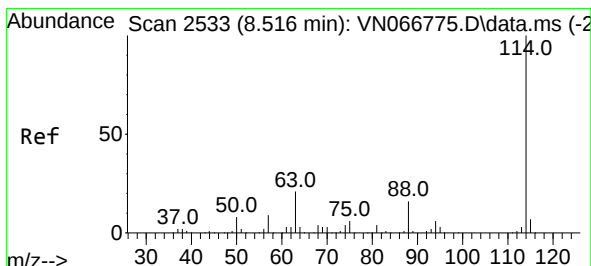
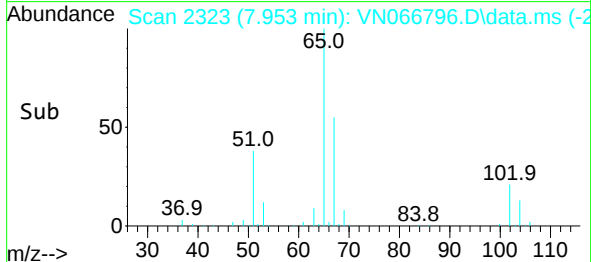
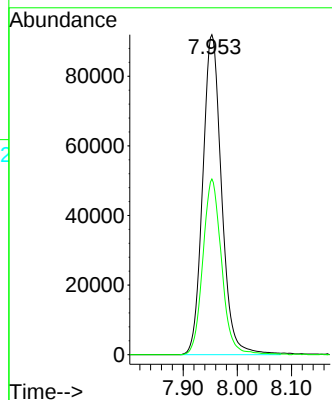
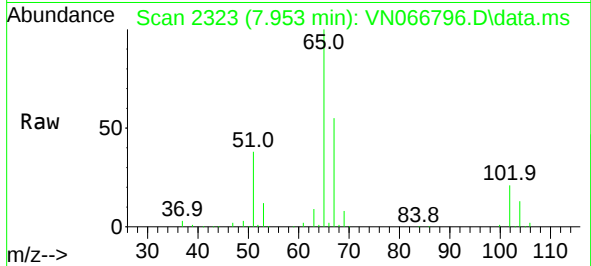




#33
 1,2-Dichloroethane-d4
 Concen: 44.44 ug/l
 RT: 7.953 min Scan# 2323
 Delta R.T. 0.000 min
 Lab File: VN066796.D
 Acq: 27 Apr 2021 21:12

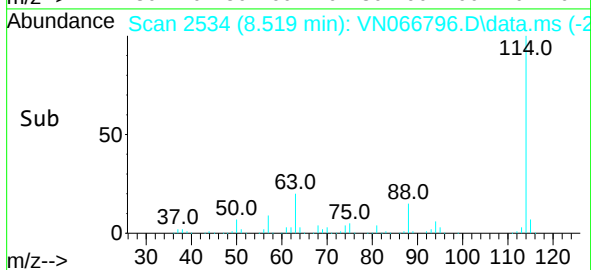
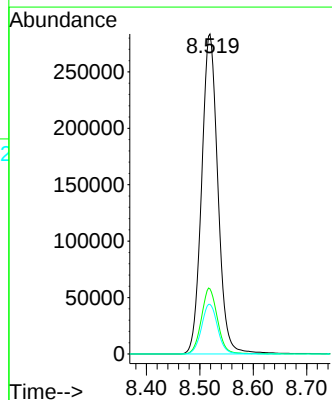
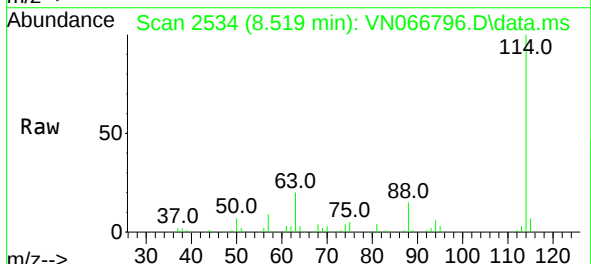
Instrument :
 MSVOA_N
 ClientSampled :

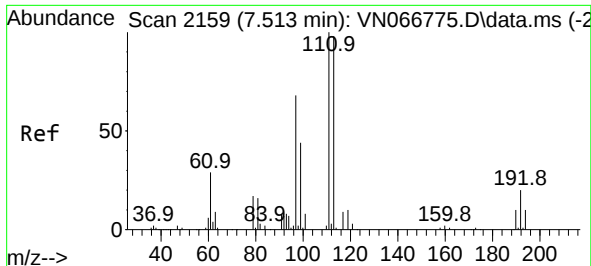
Tgt Ion: 65 Resp: 222557
 Ion Ratio Lower Upper
 65 100
 67 54.4 0.0 107.2



#34
 1,4-Difluorobenzene
 Concen: 50.00 ug/l
 RT: 8.519 min Scan# 2534
 Delta R.T. 0.003 min
 Lab File: VN066796.D
 Acq: 27 Apr 2021 21:12

Tgt Ion: 114 Resp: 598578
 Ion Ratio Lower Upper
 114 100
 63 20.4 0.0 38.6
 88 15.5 0.0 30.6

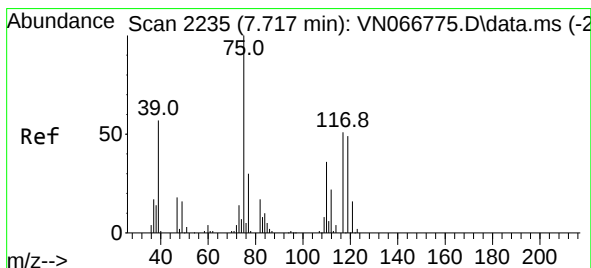
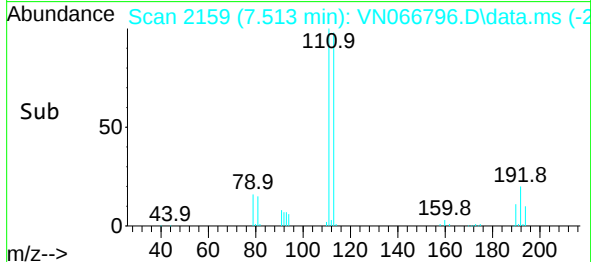
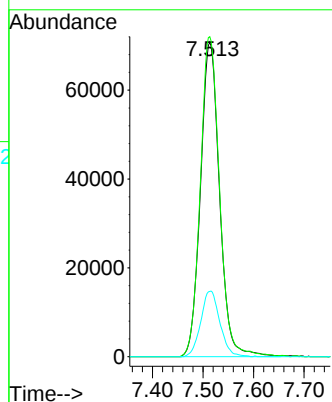
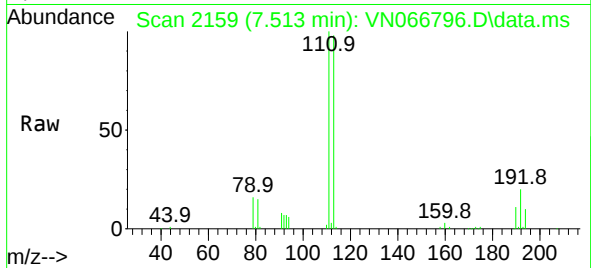




#35
Dibromofluoromethane
Concen: 50.27 ug/l
RT: 7.513 min Scan# 2159
Delta R.T. 0.000 min
Lab File: VN066796.D
Acq: 27 Apr 2021 21:12

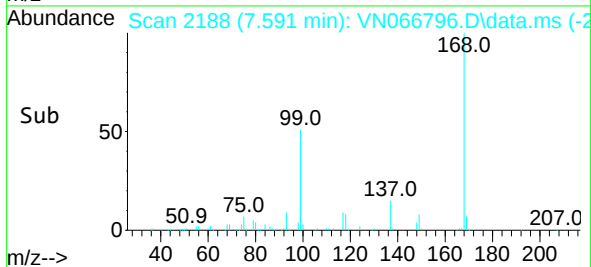
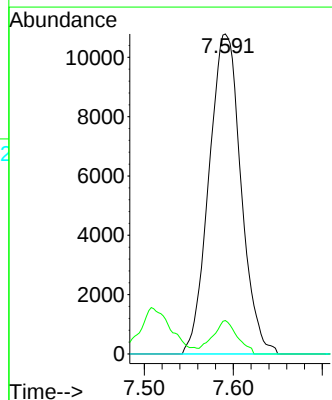
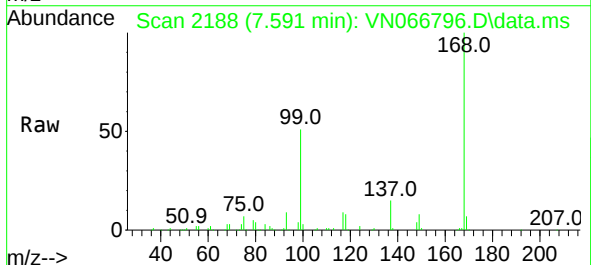
Instrument :
MSVOA_N
ClientSampleId :

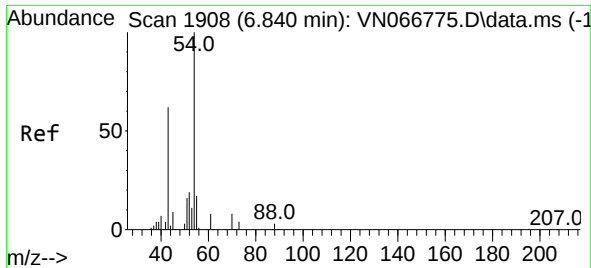
Tgt Ion:	113	Resp:	185739
Ion	Ratio	Lower	Upper
113	100		
111	102.4	82.2	123.2
192	20.9	15.4	23.0



#36
1,1-Dichloropropene
Concen: 4.85 ug/l
RT: 7.591 min Scan# 2188
Delta R.T. -0.126 min
Lab File: VN066796.D
Acq: 27 Apr 2021 21:12

Tgt Ion:	75	Resp:	26967
Ion	Ratio	Lower	Upper
75	100		
110	8.0	18.2	54.6#
77	0.0	24.9	37.3#





#37

Ethyl Acetate

Concen: 0.91 ug/l

RT: 6.757 min Scan# 1877

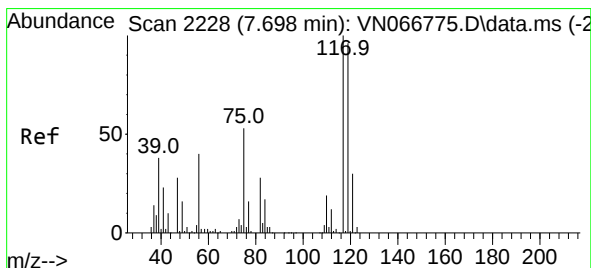
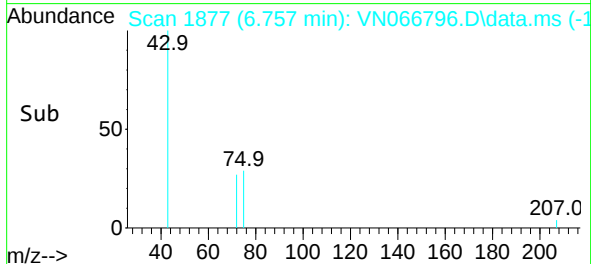
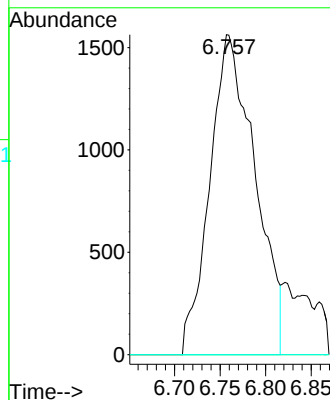
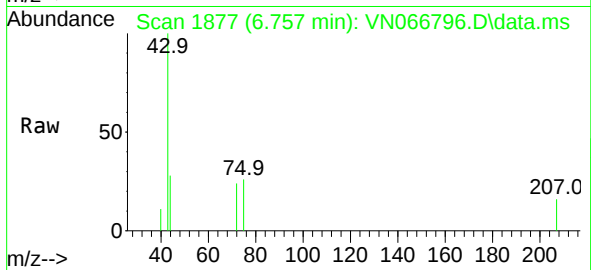
Delta R.T. -0.083 min

Lab File: VN066796.D

Acq: 27 Apr 2021 21:12

Instrument :
MSVOA_N
ClientSampled :

Tgt Ion:	43	Resp:	5384
Ion	Ratio	Lower	Upper
43	100		
61	0.0	11.6	17.4#
70	0.0	8.6	13.0#



#38

Carbon Tetrachloride

Concen: 6.36 ug/l

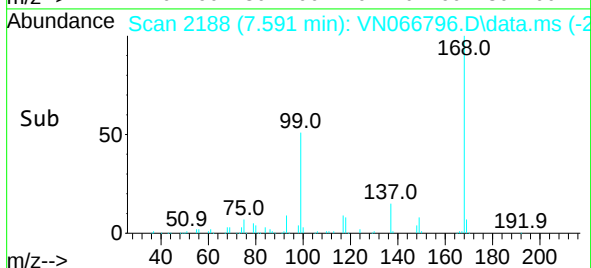
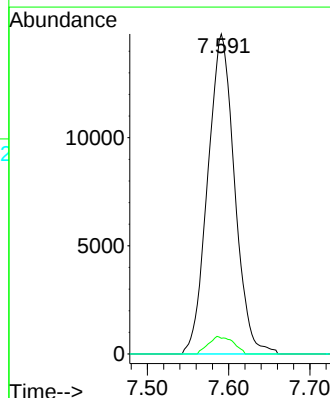
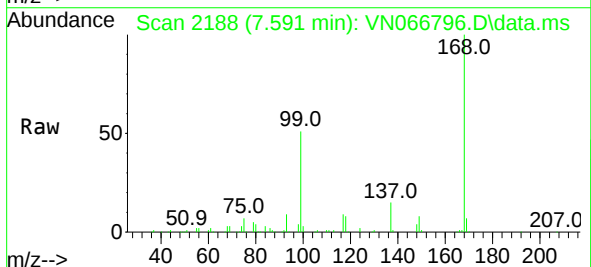
RT: 7.591 min Scan# 2188

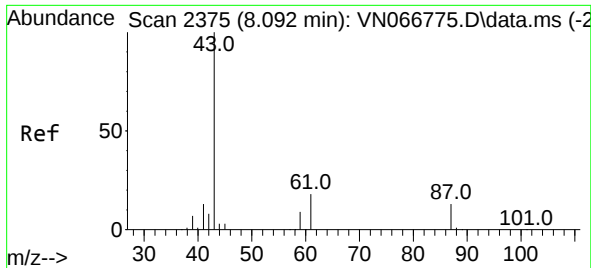
Delta R.T. -0.107 min

Lab File: VN066796.D

Acq: 27 Apr 2021 21:12

Tgt Ion:	117	Resp:	33944
Ion	Ratio	Lower	Upper
117	100		
119	4.9	76.0	114.0#
121	0.0	24.5	36.7#

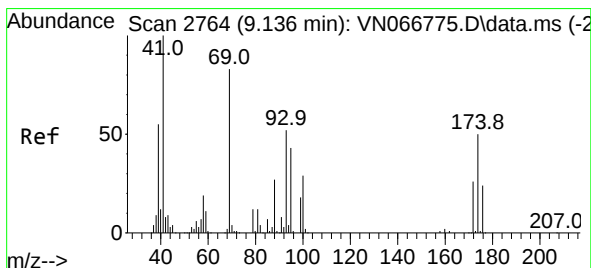
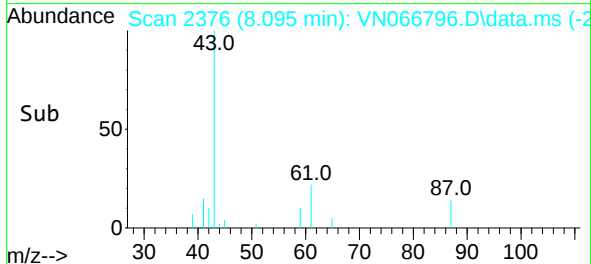
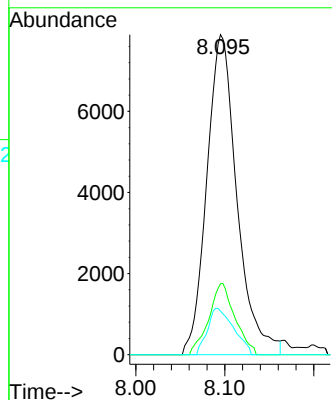
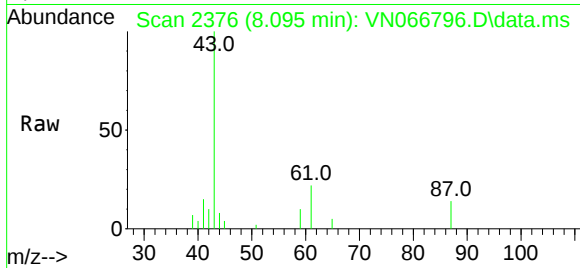




#43
Isopropyl Acetate
Concen: 1.98 ug/l
RT: 8.095 min Scan# 2376
Delta R.T. 0.003 min
Lab File: VN066796.D
Acq: 27 Apr 2021 21:12

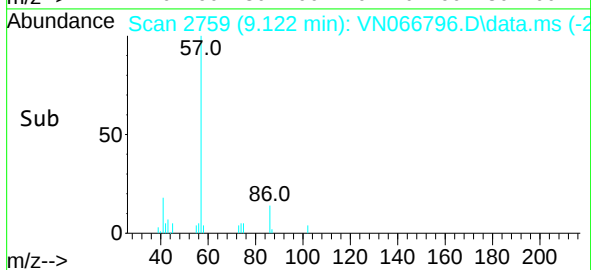
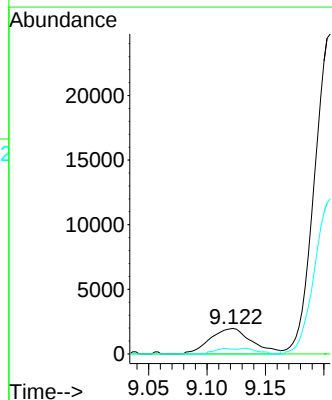
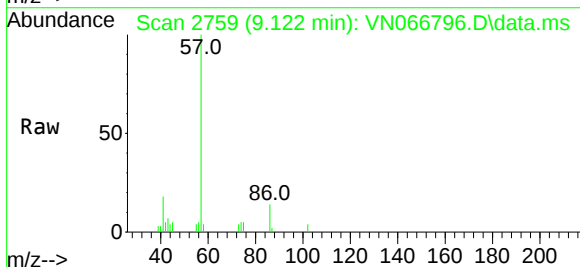
Instrument :
MSVOA_N
ClientSampled :

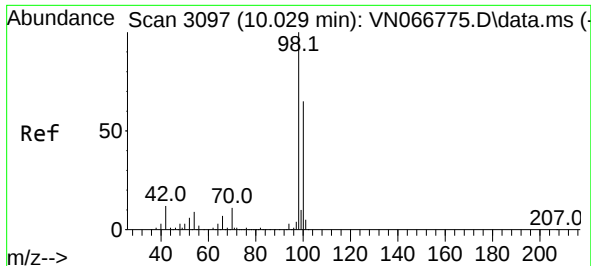
Tgt Ion	Ratio	Lower	Upper
43	100		
61	19.3	22.5	33.7#
87	12.5	11.1	16.7



#48
Methyl methacrylate
Concen: 1.20 ug/l
RT: 9.122 min Scan# 2759
Delta R.T. -0.014 min
Lab File: VN066796.D
Acq: 27 Apr 2021 21:12

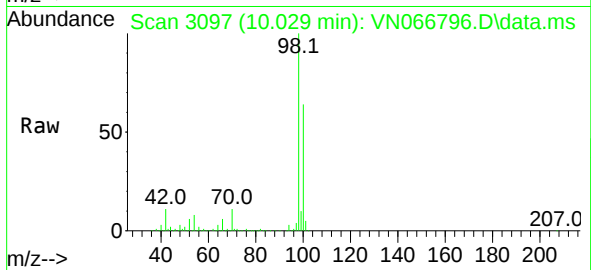
Tgt Ion	Ratio	Lower	Upper
41	100		
69	0.0	75.9	113.9#
39	0.0	46.6	69.8#



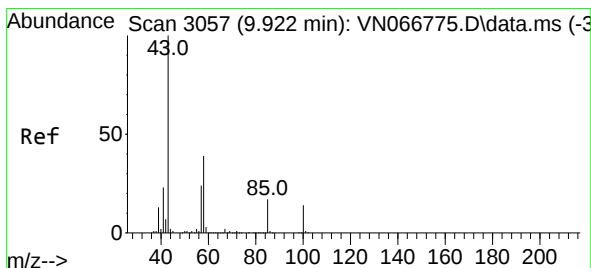
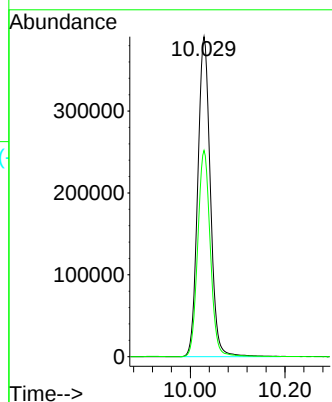
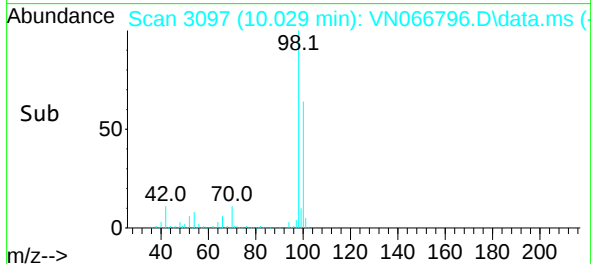


#50
Toluene-d8
Concen: 49.63 ug/l
RT: 10.029 min Scan# 3097
Delta R.T. -0.000 min
Lab File: VN066796.D
Acq: 27 Apr 2021 21:12

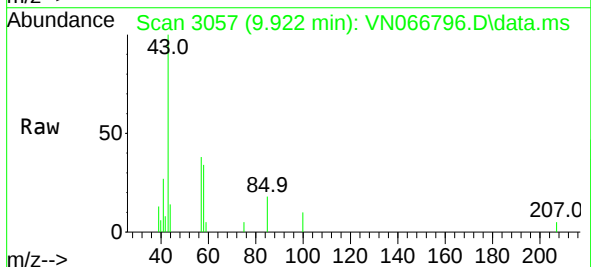
Instrument :
MSVOA_N
ClientSampled :



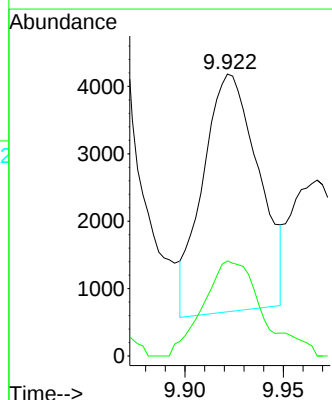
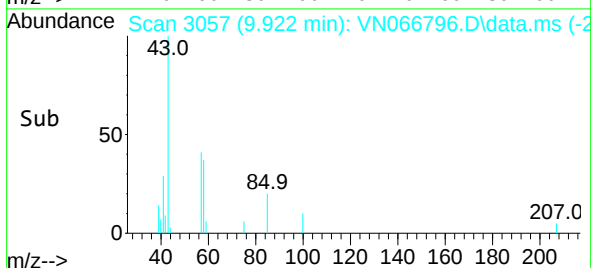
Tgt Ion: 98 Resp: 719743
Ion Ratio Lower Upper
98 100
100 64.5 50.5 75.7

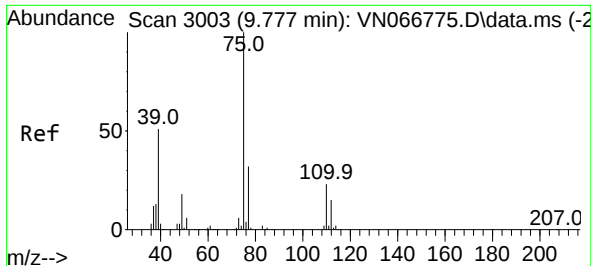


#51
4-Methyl-2-Pentanone
Concen: 1.36 ug/l
RT: 9.922 min Scan# 3057
Delta R.T. -0.000 min
Lab File: VN066796.D
Acq: 27 Apr 2021 21:12



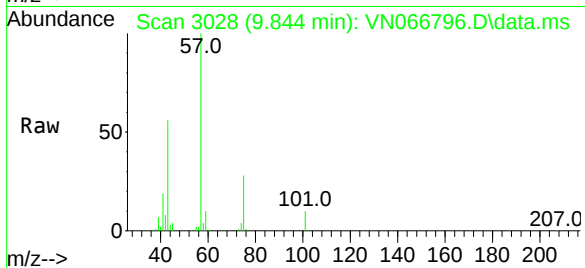
Tgt Ion: 43 Resp: 6921
Ion Ratio Lower Upper
43 100
58 42.5 32.5 48.7



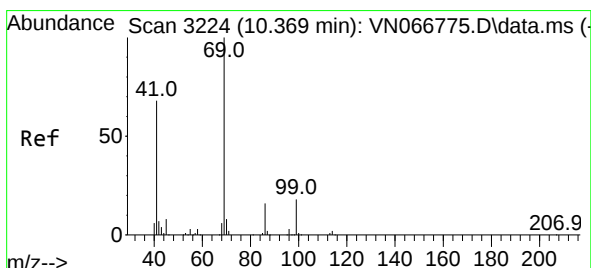
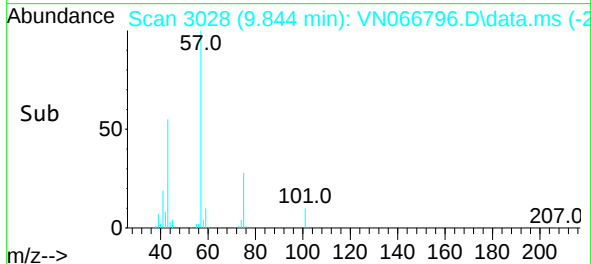
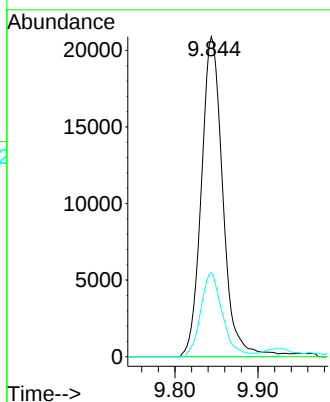


#54
cis-1,3-Dichloropropene
Concen: 5.28 ug/l
RT: 9.844 min Scan# 3028
Delta R.T. 0.067 min
Lab File: VN066796.D
Acq: 27 Apr 2021 21:12

Instrument :
MSVOA_N
ClientSampled :

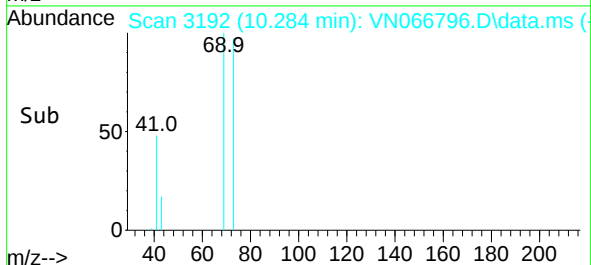
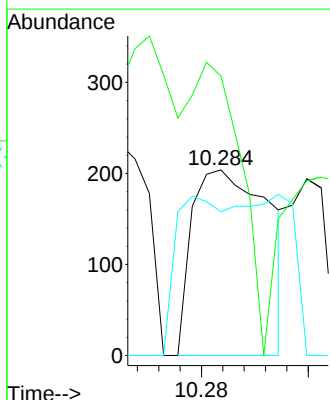
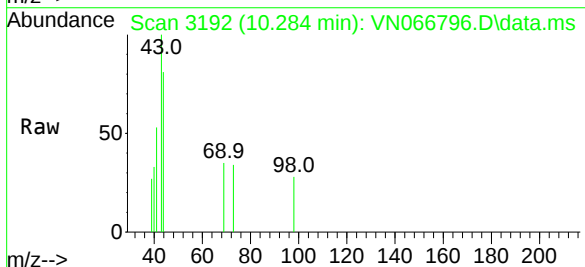


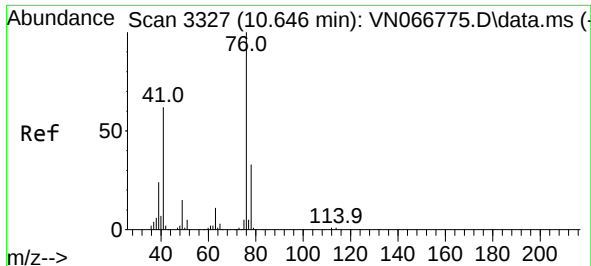
Tgt Ion: 75 Resp: 37360
Ion Ratio Lower Upper
75 100
77 0.0 24.9 37.3#
39 26.2 36.2 54.4#



#56
Ethyl methacrylate
Concen: 3.20 ug/l
RT: 10.284 min Scan# 3192
Delta R.T. -0.085 min
Lab File: VN066796.D
Acq: 27 Apr 2021 21:12

Tgt Ion: 69 Resp: 204
Ion Ratio Lower Upper
69 100
41 0.0 49.6 74.4#
39 0.0 28.0 42.0#

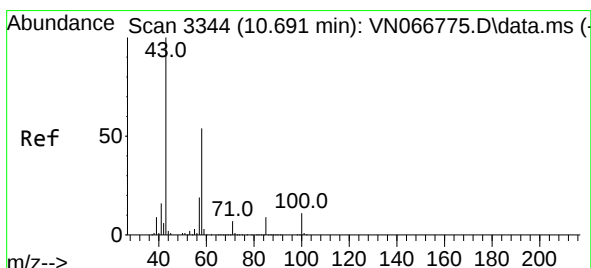
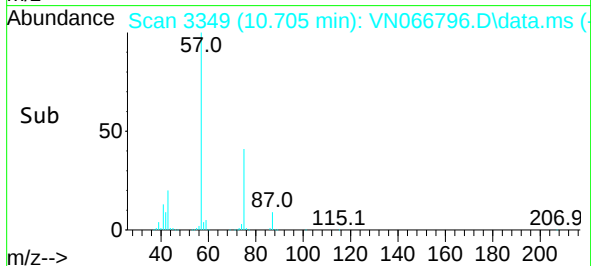
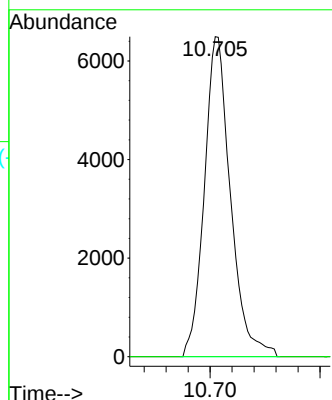
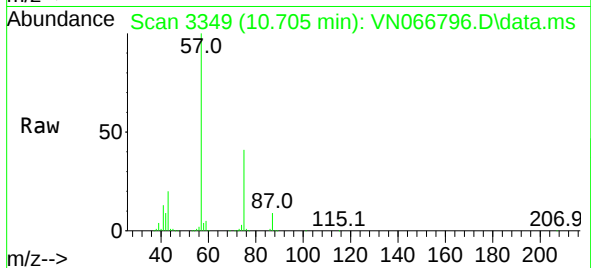




#57
1,3-Dichloropropane
Concen: 1.57 ug/l
RT: 10.705 min Scan# 3349
Delta R.T. 0.059 min
Lab File: VN066796.D
Acq: 27 Apr 2021 21:12

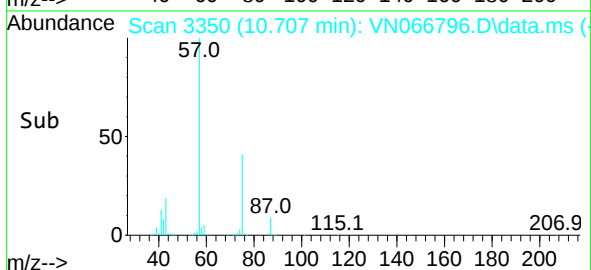
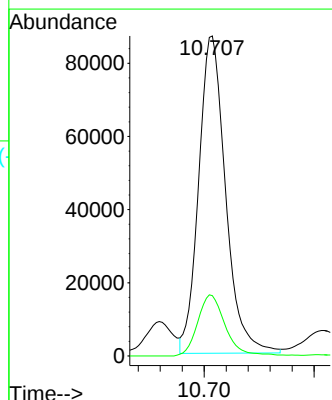
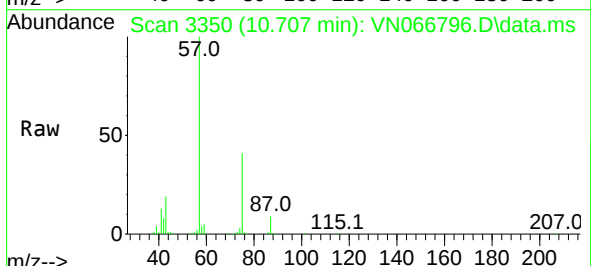
Instrument :
MSVOA_N
ClientSampled :

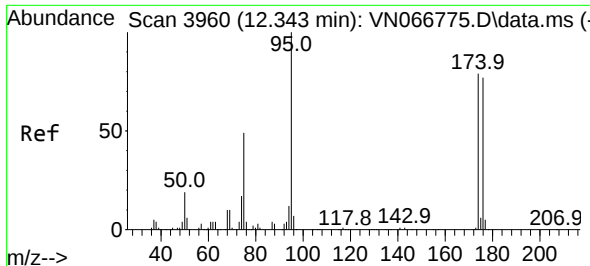
Tgt Ion: 76 Resp: 10724
Ion Ratio Lower Upper
76 100
78 0.0 25.7 38.5#



#59
2-Hexanone
Concen: 53.40 ug/l
RT: 10.707 min Scan# 3350
Delta R.T. 0.016 min
Lab File: VN066796.D
Acq: 27 Apr 2021 21:12

Tgt Ion: 43 Resp: 147461
Ion Ratio Lower Upper
43 100
58 20.0 28.1 84.3#

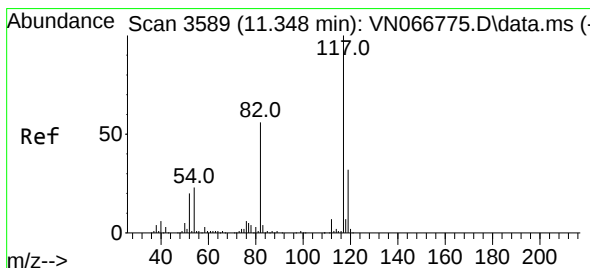
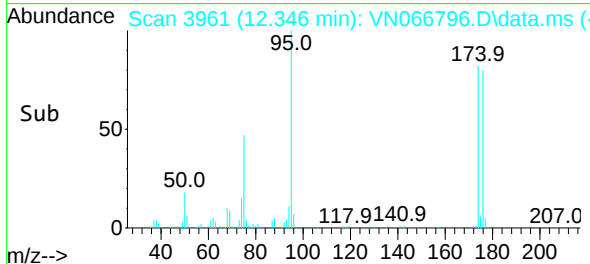
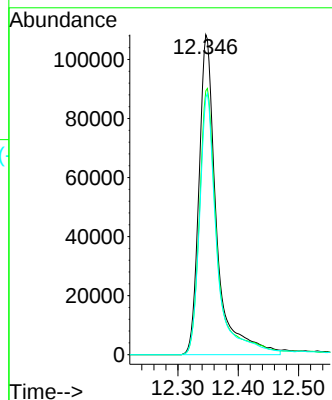
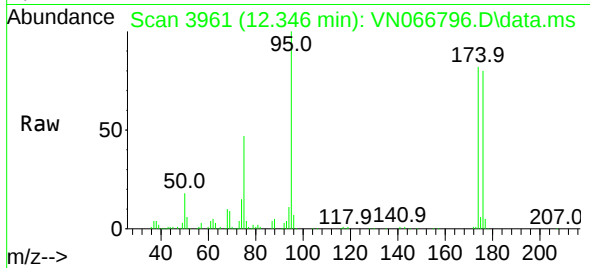




#62
4-Bromofluorobenzene
Concen: 44.66 ug/l
RT: 12.346 min Scan# 3961
Delta R.T. 0.003 min
Lab File: VN066796.D
Acq: 27 Apr 2021 21:12

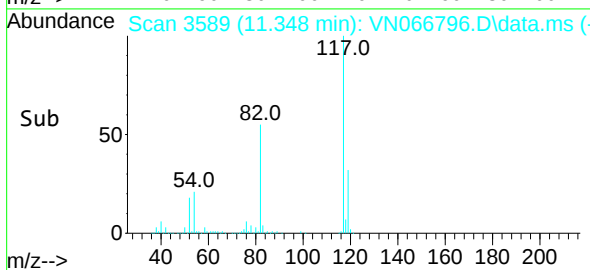
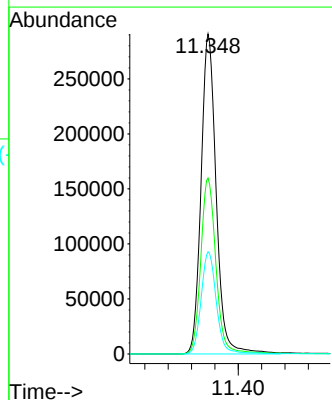
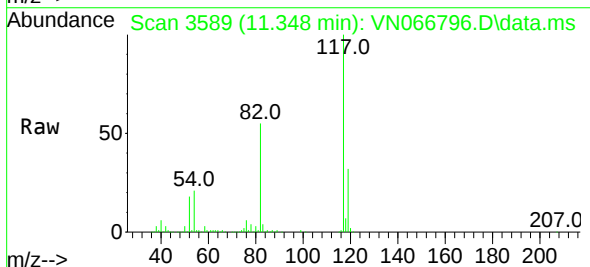
Instrument :
MSVOA_N
ClientSampled :

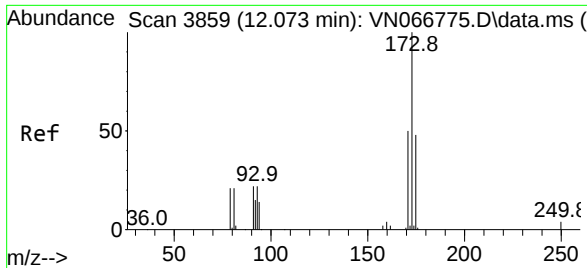
Tgt Ion: 95 Resp: 219164
Ion Ratio Lower Upper
95 100
174 85.1 0.0 169.0
176 80.9 0.0 162.4



#63
Chlorobenzene-d5
Concen: 50.00 ug/l
RT: 11.348 min Scan# 3589
Delta R.T. 0.000 min
Lab File: VN066796.D
Acq: 27 Apr 2021 21:12

Tgt Ion: 117 Resp: 523531
Ion Ratio Lower Upper
117 100
82 55.0 43.7 65.5
119 31.9 26.1 39.1

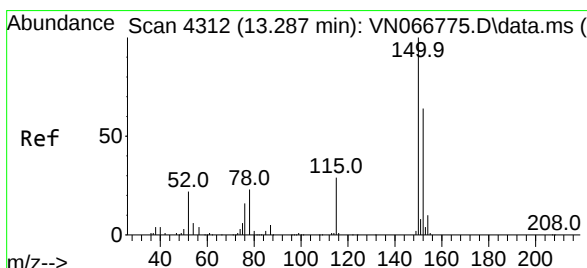
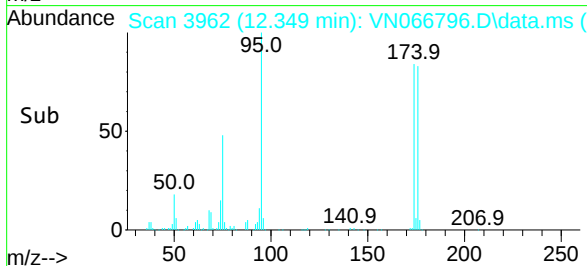
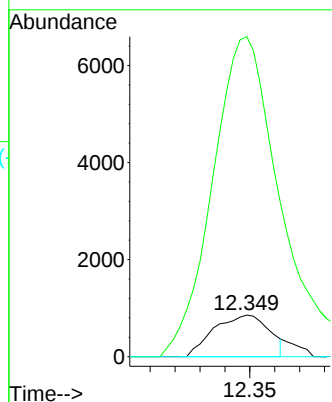
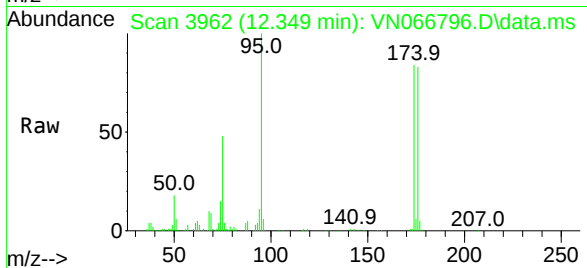




#71
Bromoform
Concen: 0.46 ug/l
RT: 12.349 min Scan# 3962
Delta R.T. 0.276 min
Lab File: VN066796.D
Acq: 27 Apr 2021 21:12

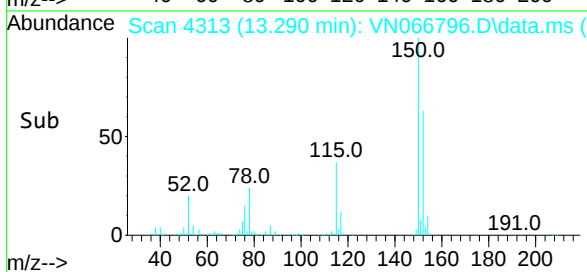
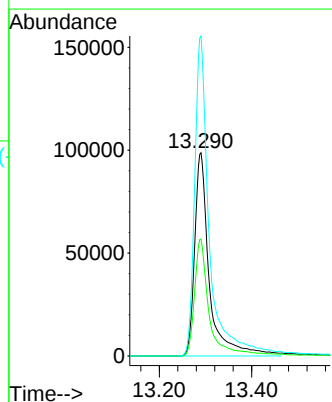
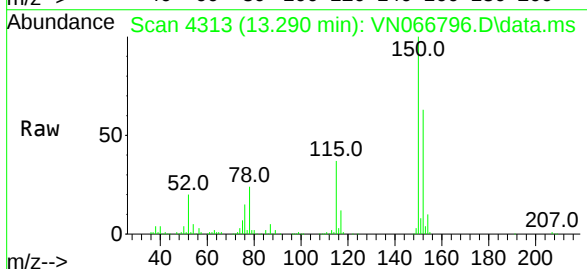
Instrument :
MSVOA_N
ClientSampleId :

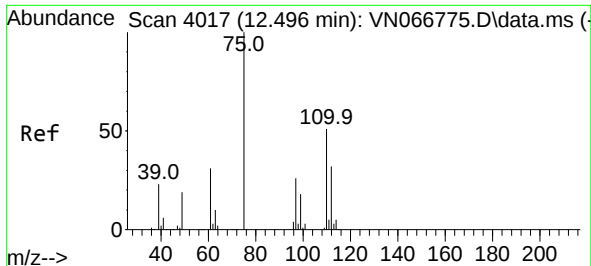
Tgt Ion:173 Resp: 1321
Ion Ratio Lower Upper
173 100
175 794.9 23.8 71.2#
254 0.0 0.0 0.0



#72
1,4-Dichlorobenzene-d4
Concen: 50.00 ug/l
RT: 13.290 min Scan# 4313
Delta R.T. 0.003 min
Lab File: VN066796.D
Acq: 27 Apr 2021 21:12

Tgt Ion:152 Resp: 219656
Ion Ratio Lower Upper
152 100
115 56.6 28.5 85.6
150 156.3 0.0 347.6

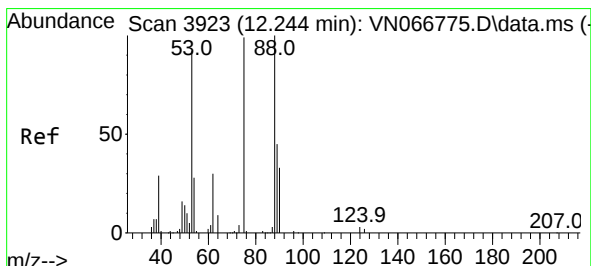
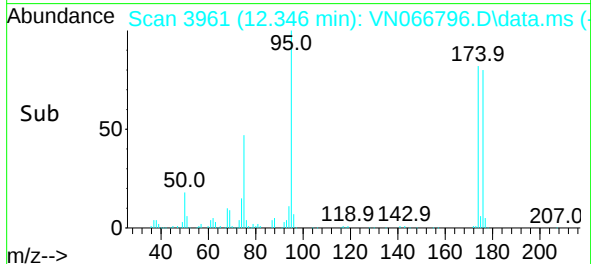
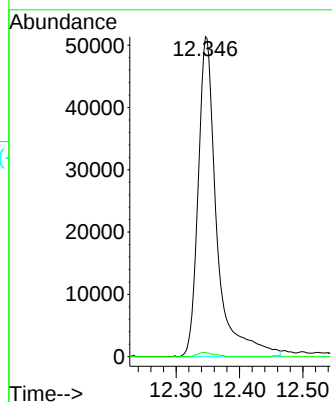
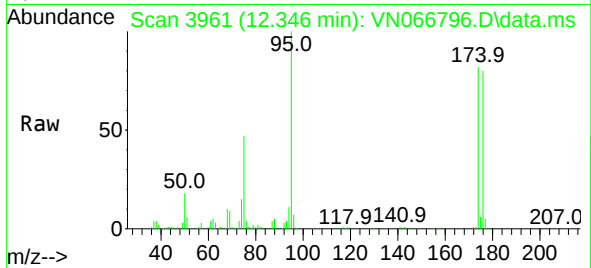




#76
1,2,3-Trichloropropane
Concen: 22.69 ug/l
RT: 12.346 min Scan# 3961
Delta R.T. -0.150 min
Lab File: VN066796.D
Acq: 27 Apr 2021 21:12

Instrument :
MSVOA_N
ClientSampled :

Tgt Ion: 75 Resp: 105027
Ion Ratio Lower Upper
75 100
77 1.2 0.0 0.0#



#81
trans-1,4-Dichloro-2-butene
Concen: 61.48 ug/l
RT: 12.346 min Scan# 3961
Delta R.T. 0.102 min
Lab File: VN066796.D
Acq: 27 Apr 2021 21:12

Tgt Ion: 75 Resp: 105027
Ion Ratio Lower Upper
75 100
53 0.0 74.6 111.8#
89 0.1 35.8 53.8#

