

Data Path : Z:\voasrv\HPCHEM1\MSVOA_N\Data\VN042621\
 Data File : VN066766.D
 Acq On : 26 Apr 2021 17:03
 Operator : JC/MD
 Sample : PB135974ZHE#02
 Misc : 5.00mL/MSVOA_N/WATER
 ALS Vial : 14 Sample Multiplier: 1

Instrument :
 MSVOA_N
 ClientSampleId :

Quant Time: Apr 27 06:13:31 2021
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA_N\methods\82N042121W.M
 Quant Title : SW846 8260
 QLast Update : Thu Apr 22 08:25:55 2021
 Response via : Initial Calibration

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

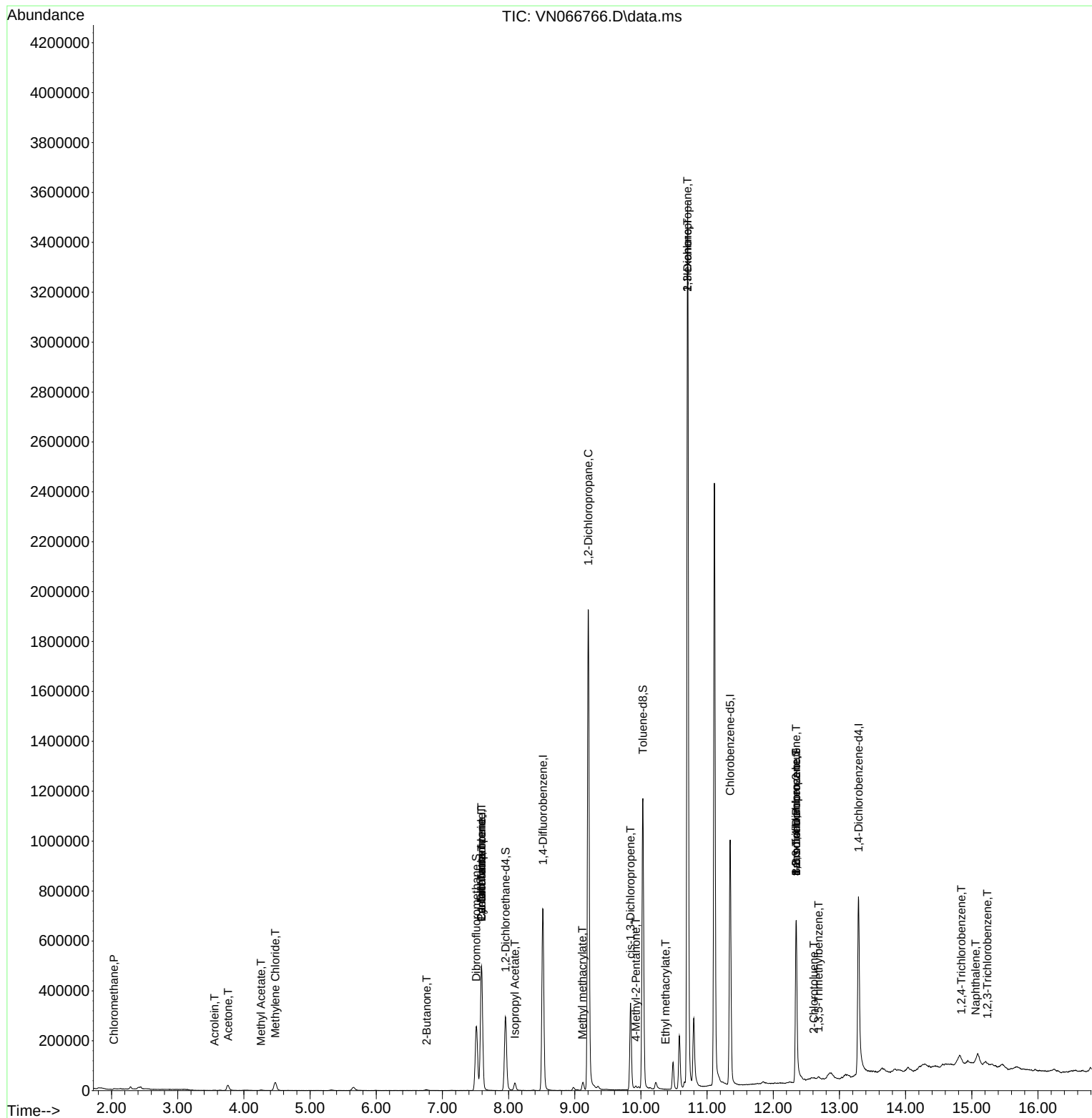
Internal Standards						
1) Pentafluorobenzene	7.591	168	440313	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	8.519	114	676621	50.00	ug/l	0.00
63) Chlorobenzene-d5	11.349	117	595515	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.288	152	250326	50.00	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	7.953	65	260772	48.48	ug/l	0.00
Spiked Amount 50.000	Range 61 - 141		Recovery =	96.96%		
35) Dibromofluoromethane	7.513	113	209360	49.41	ug/l	0.00
Spiked Amount 50.000	Range 69 - 133		Recovery =	98.82%		
50) Toluene-d8	10.029	98	824171	49.88	ug/l	0.00
Spiked Amount 50.000	Range 65 - 126		Recovery =	99.76%		
62) 4-Bromofluorobenzene	12.346	95	268361	47.42	ug/l	0.00
Spiked Amount 50.000	Range 58 - 135		Recovery =	94.84%		
Target Compounds					Qvalue	
3) Chloromethane	2.034	50	1423	0.20	ug/l	100
13) Acrolein	3.555	56	1151	1.53	ug/l #	82
16) Acetone	3.761	43	37370	18.56	ug/l	99
18) Methyl Acetate	4.260	43	4783	0.86	ug/l #	64
20) Methylene Chloride	4.475	84	25098	4.19	ug/l	98
25) 2-Butanone	6.760	43	3205	1.11	ug/l #	88
31) Cyclohexane	7.591	56	8454	0.96	ug/l #	1
36) 1,1-Dichloropropene	7.591	75	31815	5.06	ug/l #	48
38) Carbon Tetrachloride	7.591	117	39711	6.63	ug/l #	17
43) Isopropyl Acetate	8.095	43	38263	3.63	ug/l #	87
45) 1,2-Dichloropropane	9.206	63	2516	0.46	ug/l #	44
48) Methyl methacrylate	9.114	41	7549	1.63	ug/l #	10
51) 4-Methyl-2-Pentanone	9.924	43	9396	1.59	ug/l	100
54) cis-1,3-Dichloropropene	9.844	75	66608	8.20	ug/l #	62
56) Ethyl methacrylate	10.372	69	152	3.17	ug/l #	27
57) 1,3-Dichloropropane	10.705	76	37692	4.76	ug/l #	43
59) 2-Hexanone	10.705	43	529931	128.30	ug/l #	49
71) Bromoform	12.346	173	2072	0.62	ug/l #	1
76) 1,2,3-Trichloropropane	12.346	75	131096	24.48	ug/l #	100
79) 2-Chlorotoluene	12.612	91	98	0.94	ug/l	86
80) 1,3,5-Trimethylbenzene	12.684	105	7170	0.47	ug/l	93
81) trans-1,4-Dichloro-2-b...	12.346	75	131096	72.20	ug/l #	12
93) 1,2,4-Trichlorobenzene	14.840	180	132	2.03	ug/l #	13
95) Naphthalene	15.058	128	220	1.86	ug/l #	52
96) 1,2,3-Trichlorobenzene	15.235	180	82	1.38	ug/l #	1

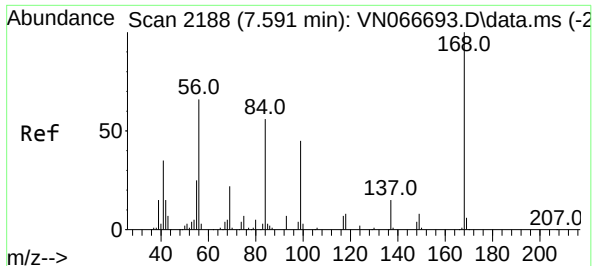
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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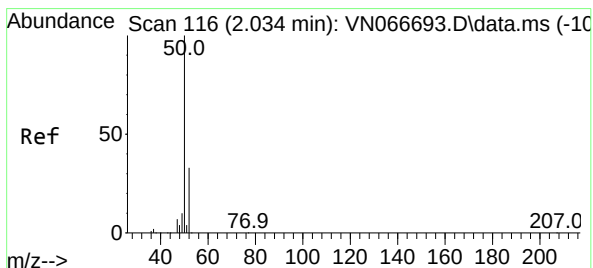
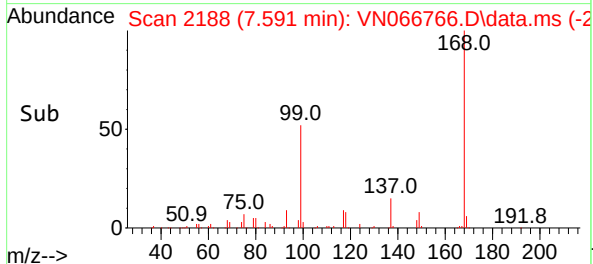
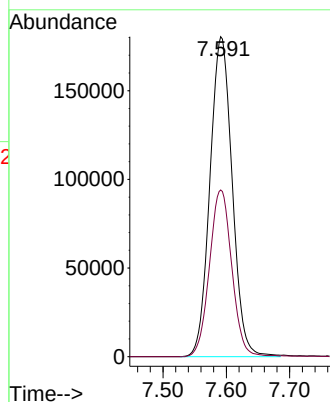
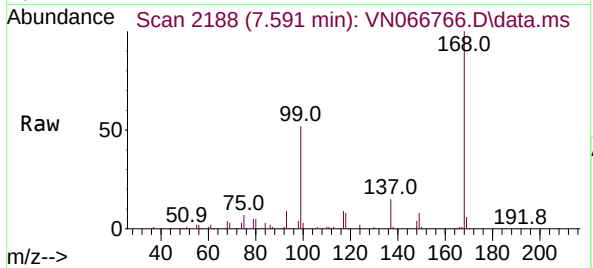




#1
Pentafluorobenzene
Concen: 50.00 ug/l
RT: 7.591 min Scan# 2188
Delta R.T. 0.000 min
Lab File: VN066766.D
Acq: 26 Apr 2021 17:03

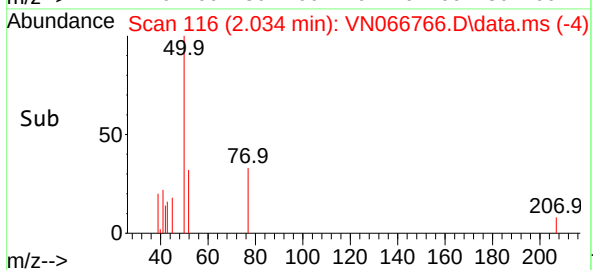
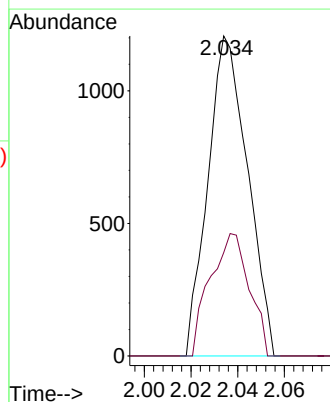
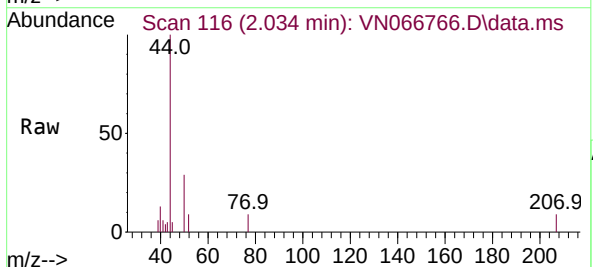
Instrument :
MSVOA_N
ClientSampled :

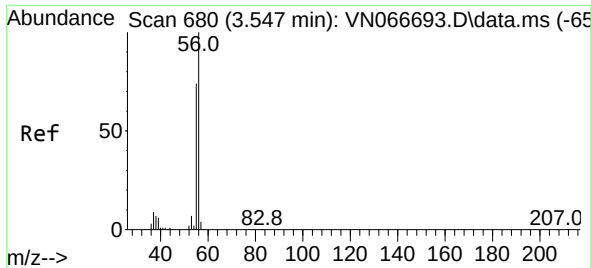
Tgt Ion:168 Resp: 440313
Ion Ratio Lower Upper
168 100
99 52.1 42.6 63.8



#3
Chloromethane
Concen: 0.20 ug/l
RT: 2.034 min Scan# 116
Delta R.T. 0.000 min
Lab File: VN066766.D
Acq: 26 Apr 2021 17:03

Tgt Ion: 50 Resp: 1423
Ion Ratio Lower Upper
50 100
52 32.3 25.8 38.8

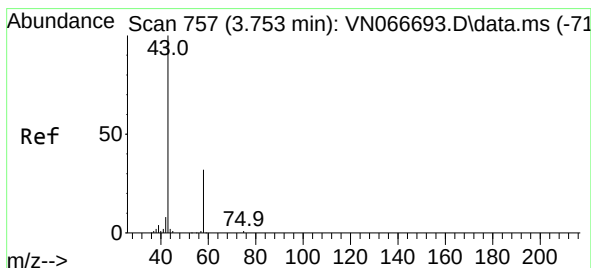
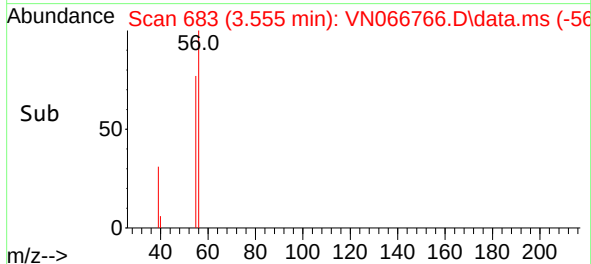
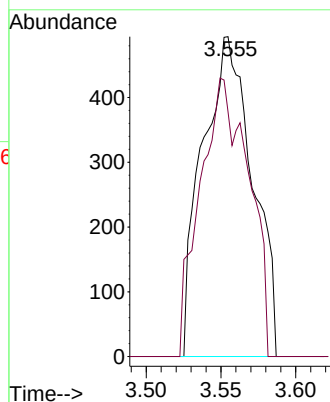
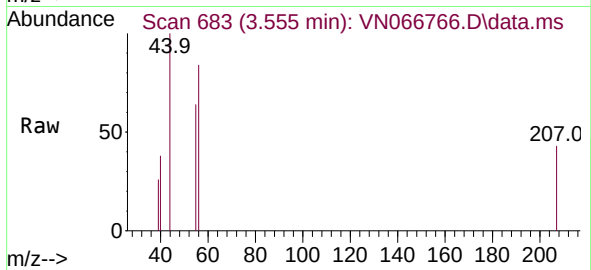




#13
Acrolein
Concen: 1.53 ug/l
RT: 3.555 min Scan# 683
Delta R.T. 0.008 min
Lab File: VN066766.D
Acq: 26 Apr 2021 17:03

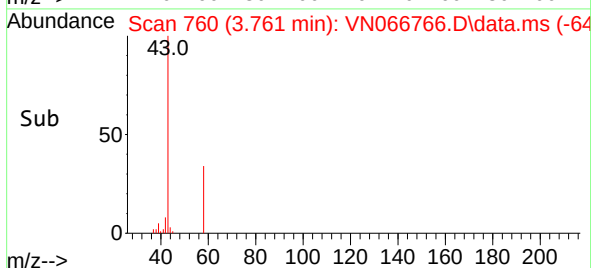
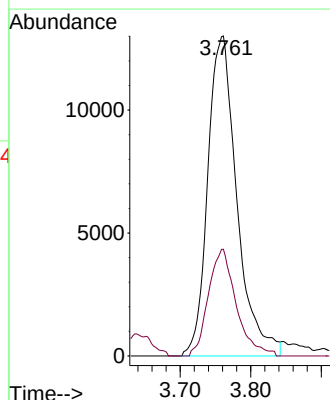
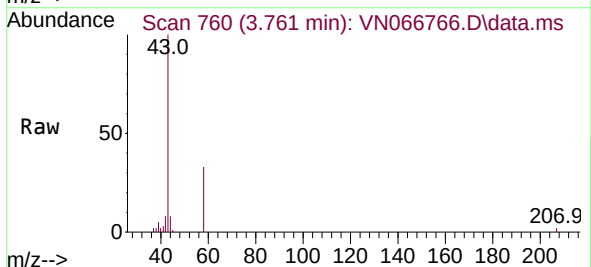
Instrument :
MSVOA_N
ClientSampled :

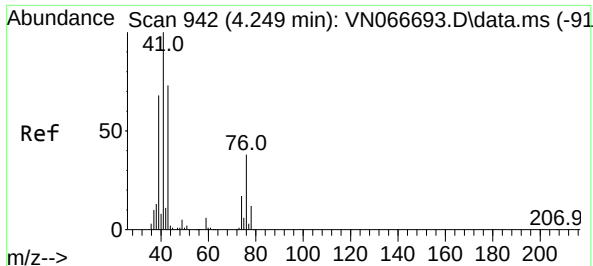
Tgt Ion: 56 Resp: 1151
Ion Ratio Lower Upper
56 100
55 84.6 56.0 84.0#



#16
Acetone
Concen: 18.56 ug/l
RT: 3.761 min Scan# 760
Delta R.T. 0.008 min
Lab File: VN066766.D
Acq: 26 Apr 2021 17:03

Tgt Ion: 43 Resp: 37370
Ion Ratio Lower Upper
43 100
58 33.4 27.0 40.6





#18

Methyl Acetate

Concen: 0.86 ug/l

RT: 4.260 min Scan# 946

Delta R.T. 0.011 min

Lab File: VN066766.D

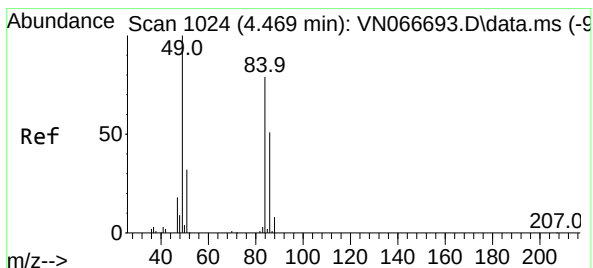
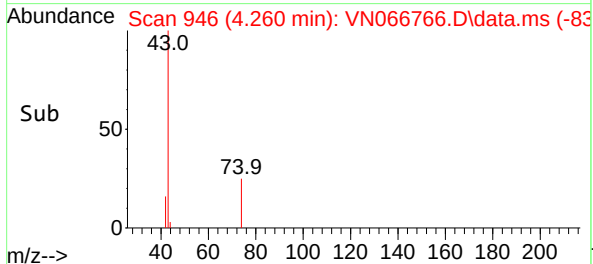
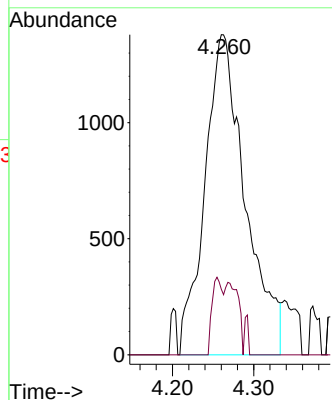
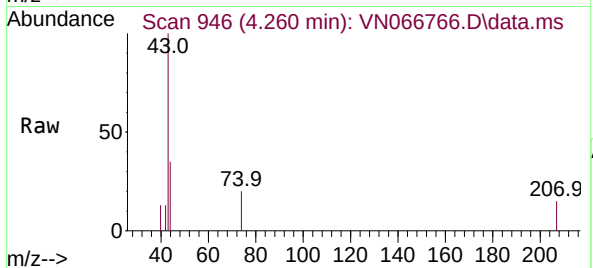
Acq: 26 Apr 2021 17:03

Instrument :
MSVOA_N
ClientSampled :

Tgt Ion: 43 Resp: 4783

Ion Ratio Lower Upper

43 100
74 6.4 19.5 29.3#



#20

Methylene Chloride

Concen: 4.19 ug/l

RT: 4.475 min Scan# 1026

Delta R.T. 0.006 min

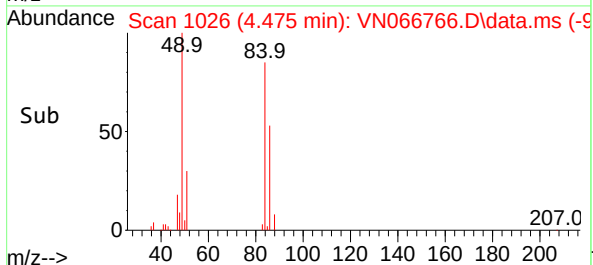
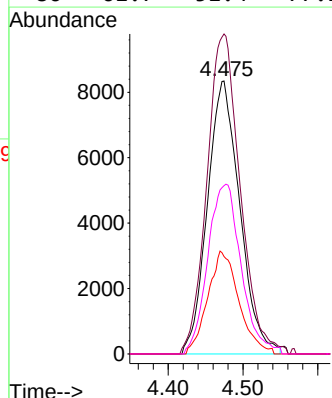
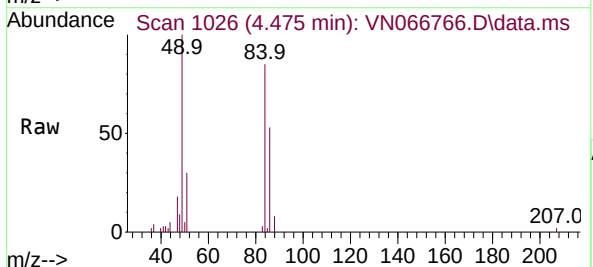
Lab File: VN066766.D

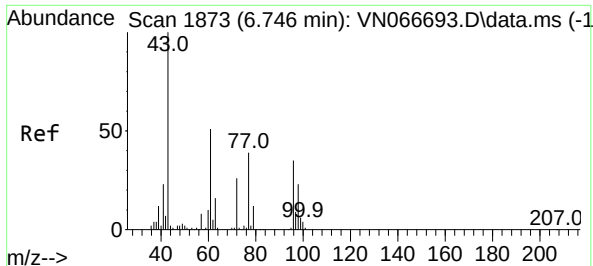
Acq: 26 Apr 2021 17:03

Tgt Ion: 84 Resp: 25098

Ion Ratio Lower Upper

84 100
49 117.3 94.6 141.8
51 35.7 29.9 44.9
86 61.7 51.4 77.2

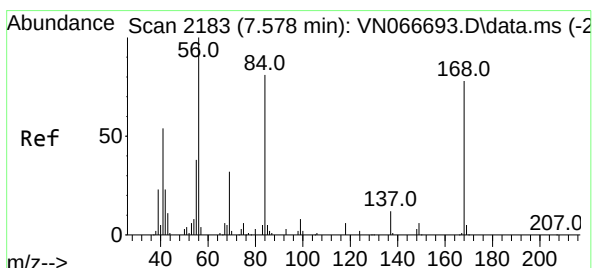
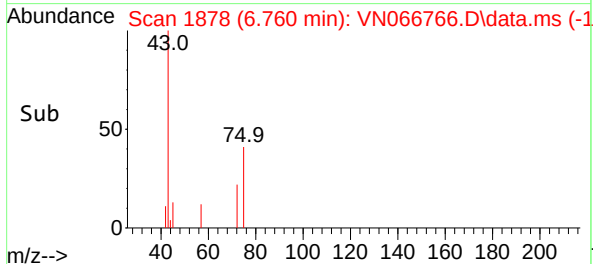
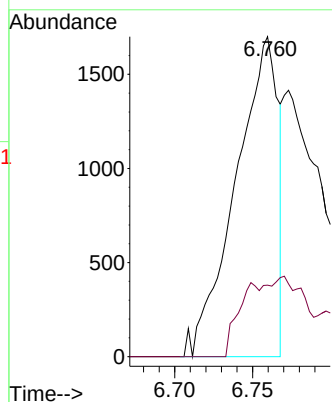
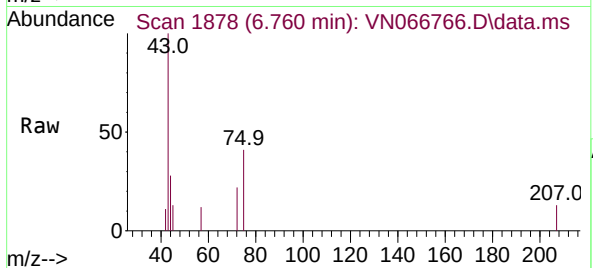




#25
2-Butanone
Concen: 1.11 ug/l
RT: 6.760 min Scan# 1878
Delta R.T. 0.014 min
Lab File: VN066766.D
Acq: 26 Apr 2021 17:03

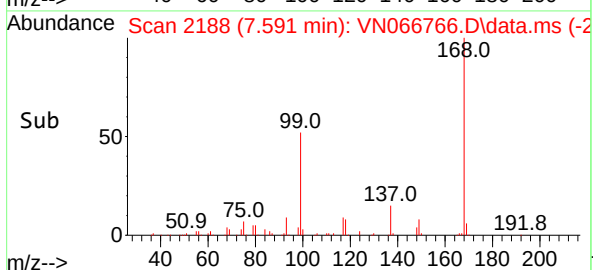
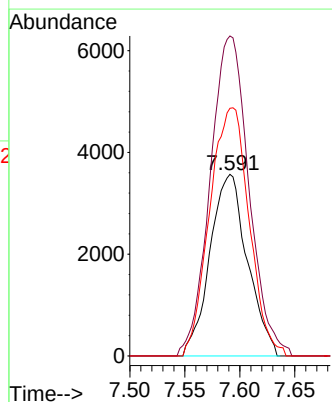
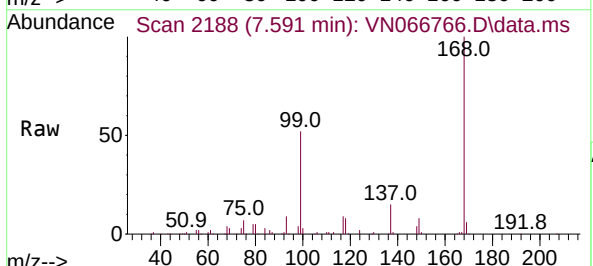
Instrument :
MSVOA_N
ClientSampled :

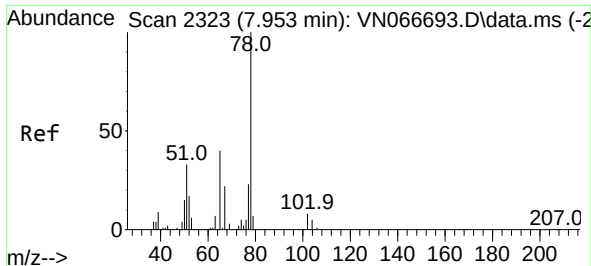
Tgt Ion: 43 Resp: 3205
Ion Ratio Lower Upper
43 100
72 22.4 23.1 34.7#



#31
Cyclohexane
Concen: 0.96 ug/l
RT: 7.591 min Scan# 2188
Delta R.T. 0.013 min
Lab File: VN066766.D
Acq: 26 Apr 2021 17:03

Tgt Ion: 56 Resp: 8454
Ion Ratio Lower Upper
56 100
69 172.1 26.6 39.8#
84 136.4 70.4 105.6#

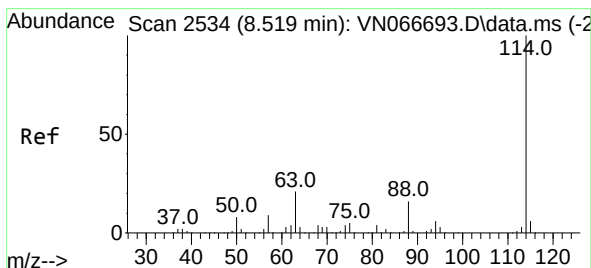
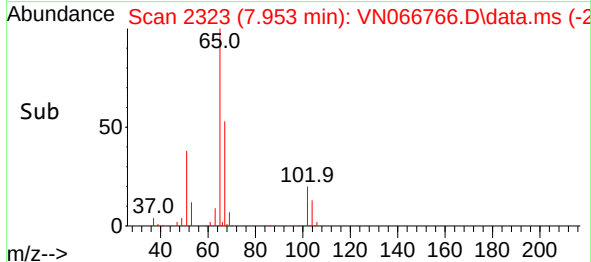
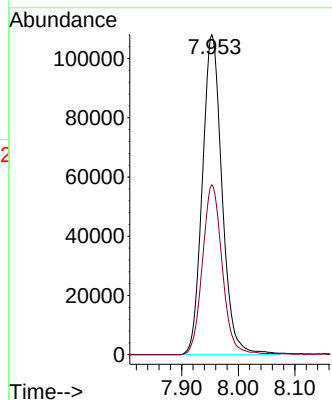
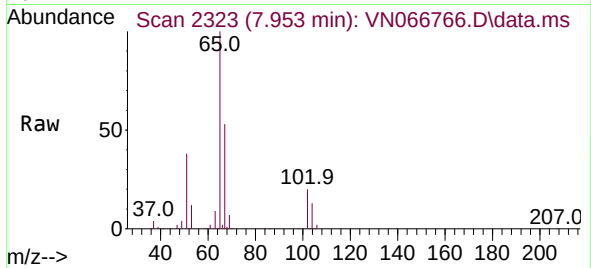




#33
 1,2-Dichloroethane-d4
 Concen: 48.48 ug/l
 RT: 7.953 min Scan# 2323
 Delta R.T. 0.000 min
 Lab File: VN066766.D
 Acq: 26 Apr 2021 17:03

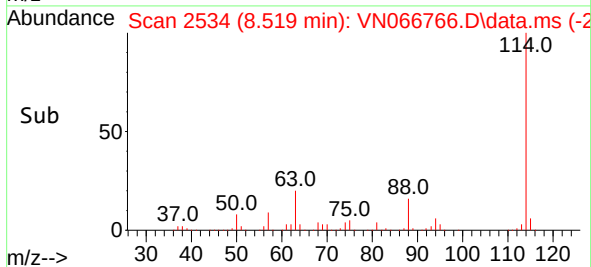
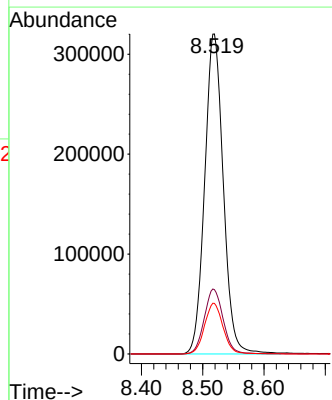
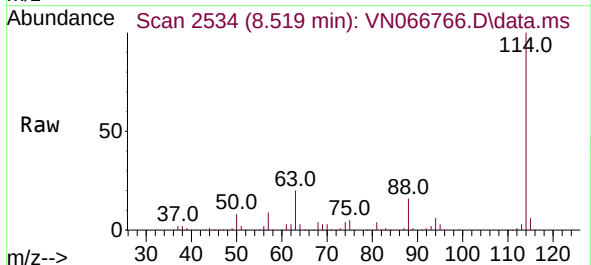
Instrument :
 MSVOA_N
 ClientSampled :

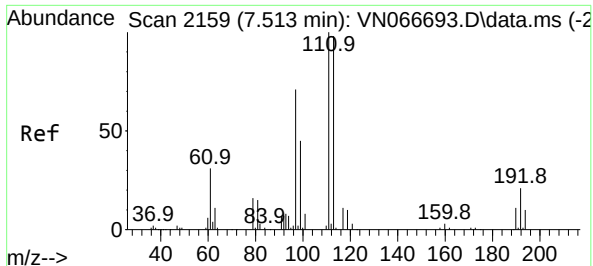
Tgt Ion: 65 Resp: 260772
 Ion Ratio Lower Upper
 65 100
 67 52.9 0.0 107.2



#34
 1,4-Difluorobenzene
 Concen: 50.00 ug/l
 RT: 8.519 min Scan# 2534
 Delta R.T. 0.000 min
 Lab File: VN066766.D
 Acq: 26 Apr 2021 17:03

Tgt Ion: 114 Resp: 676621
 Ion Ratio Lower Upper
 114 100
 63 20.1 0.0 38.6
 88 15.8 0.0 30.6





#35

Dibromofluoromethane

Concen: 49.41 ug/l

RT: 7.513 min Scan# 2159

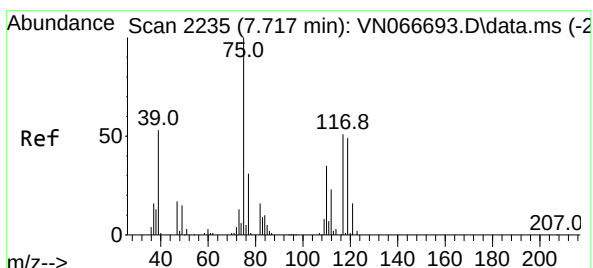
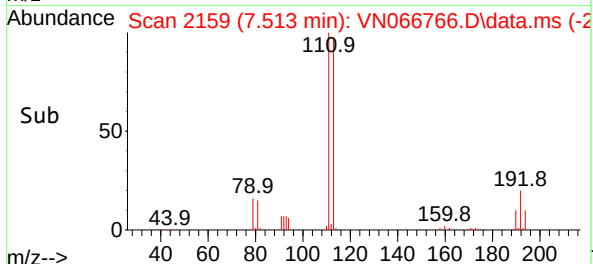
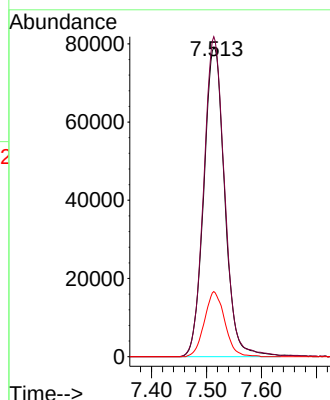
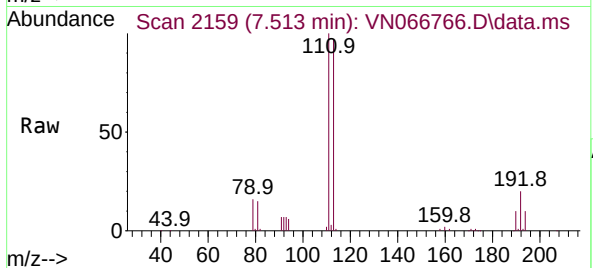
Delta R.T. 0.000 min

Lab File: VN066766.D

Acq: 26 Apr 2021 17:03

Tgt Ion:	113	Resp:	209360
Ion	Ratio	Lower	Upper
113	100		
111	102.8	82.2	123.2
192	20.5	15.4	23.0

Instrument :
MSVOA_N
ClientSampleId :



#36

1,1-Dichloropropene

Concen: 5.06 ug/l

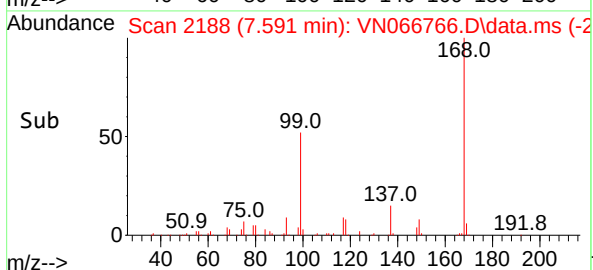
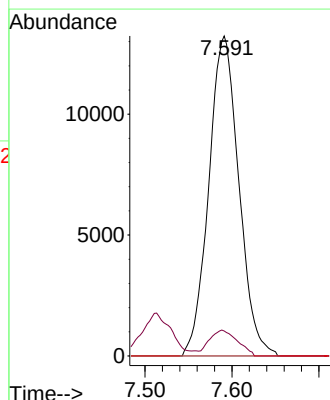
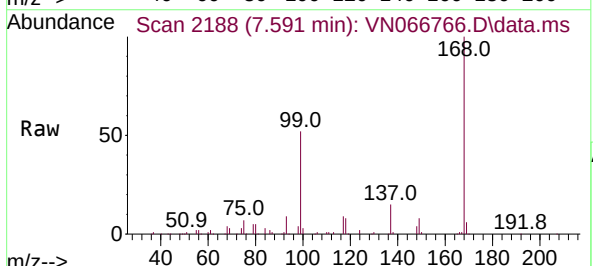
RT: 7.591 min Scan# 2188

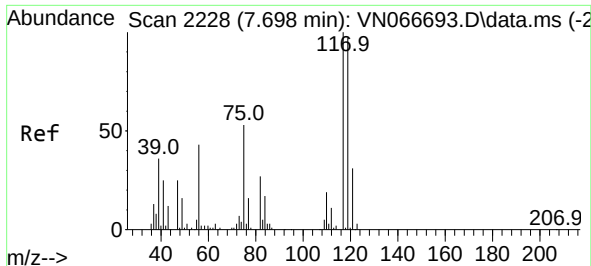
Delta R.T. -0.126 min

Lab File: VN066766.D

Acq: 26 Apr 2021 17:03

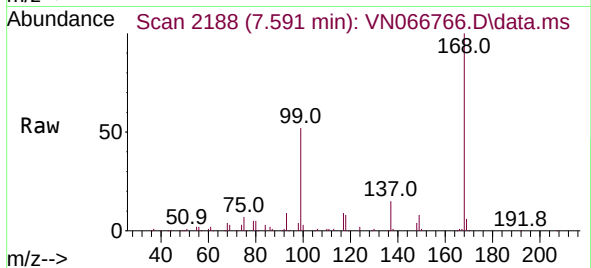
Tgt Ion:	75	Resp:	31815
Ion	Ratio	Lower	Upper
75	100		
110	7.5	18.2	54.6#
77	0.0	24.9	37.3#



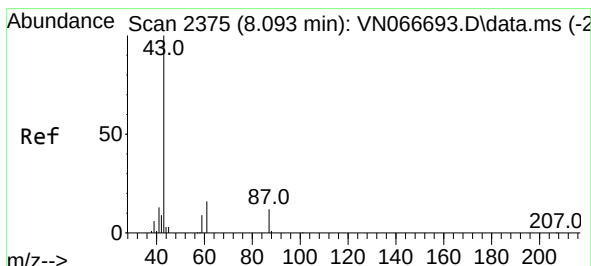
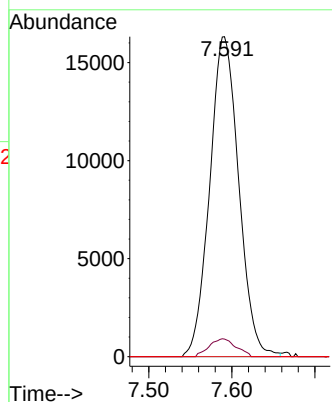
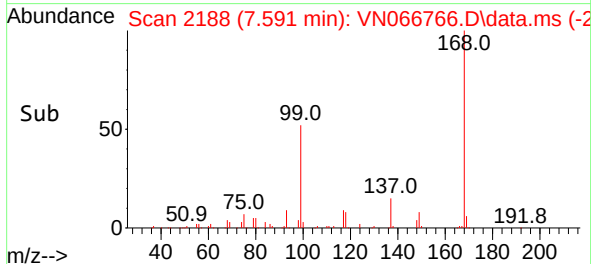


#38
Carbon Tetrachloride
Concen: 6.63 ug/l
RT: 7.591 min Scan# 2188
Delta R.T. -0.107 min
Lab File: VN066766.D
Acq: 26 Apr 2021 17:03

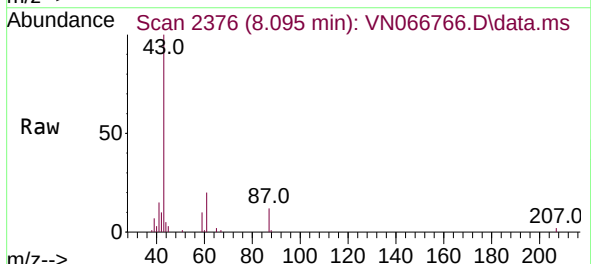
Instrument :
MSVOA_N
ClientSampled :



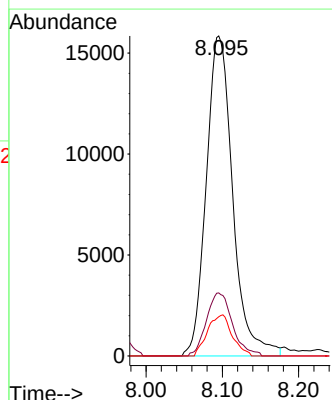
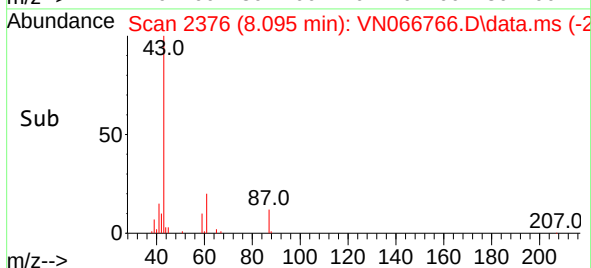
Tgt Ion:117 Resp: 39711
Ion Ratio Lower Upper
117 100
119 5.5 76.0 114.0#
121 0.0 24.5 36.7#

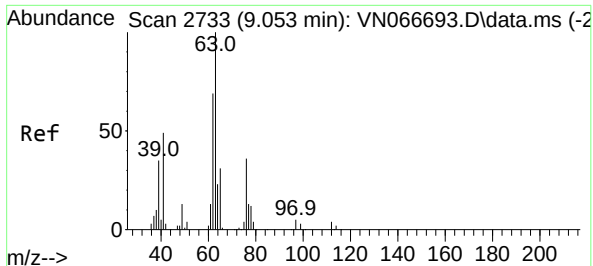


#43
Isopropyl Acetate
Concen: 3.63 ug/l
RT: 8.095 min Scan# 2376
Delta R.T. 0.002 min
Lab File: VN066766.D
Acq: 26 Apr 2021 17:03



Tgt Ion: 43 Resp: 38263
Ion Ratio Lower Upper
43 100
61 19.3 22.5 33.7#
87 11.9 11.1 16.7





#45

1,2-Dichloropropane

Concen: 0.46 ug/l

RT: 9.206 min Scan# 2790

Delta R.T. 0.153 min

Lab File: VN066766.D

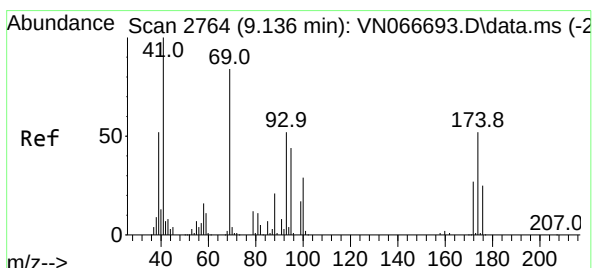
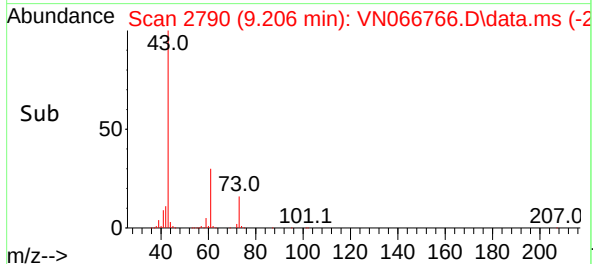
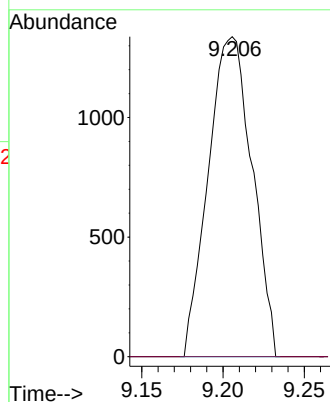
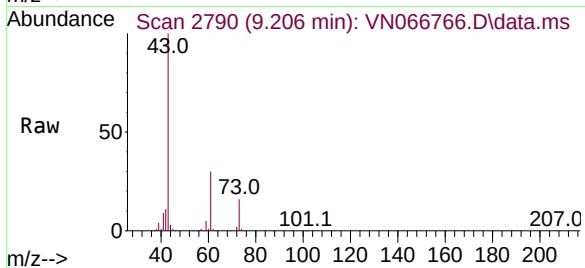
Acq: 26 Apr 2021 17:03

Tgt Ion: 63 Resp: 2516

Ion Ratio Lower Upper

63 100

65 0.0 24.9 37.3#



#48

Methyl methacrylate

Concen: 1.63 ug/l

RT: 9.114 min Scan# 2756

Delta R.T. -0.022 min

Lab File: VN066766.D

Acq: 26 Apr 2021 17:03

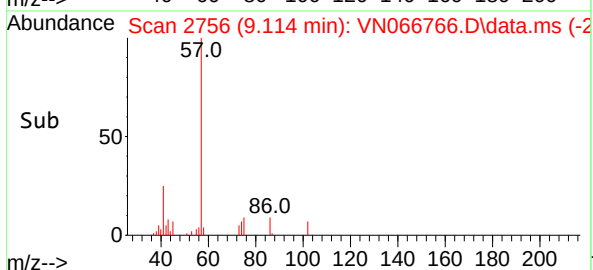
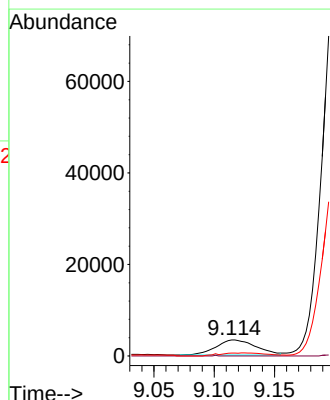
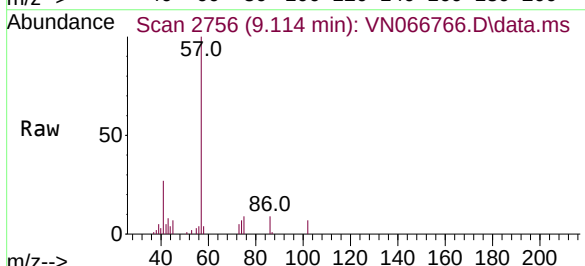
Tgt Ion: 41 Resp: 7549

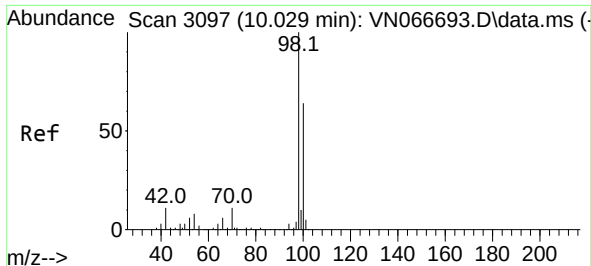
Ion Ratio Lower Upper

41 100

69 0.3 75.9 113.9#

39 0.0 46.6 69.8#

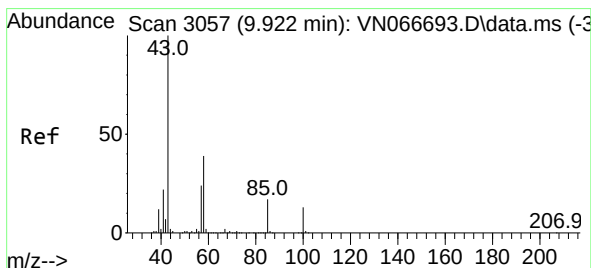
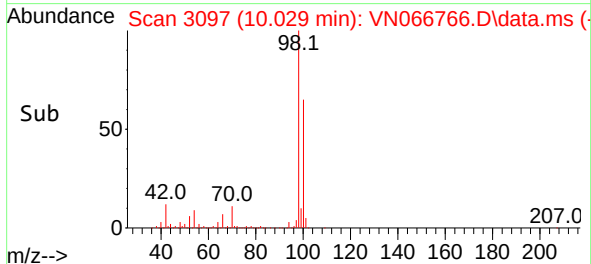
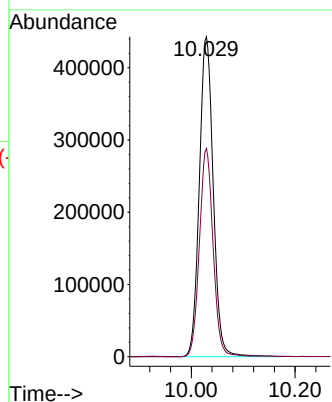
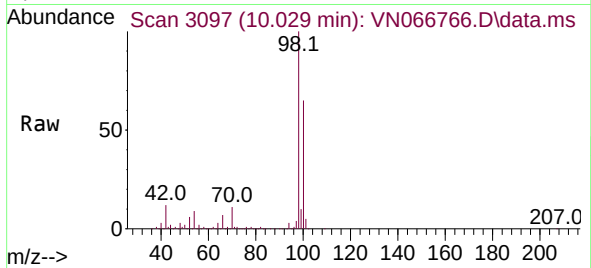




#50
Toluene-d8
Concen: 49.88 ug/l
RT: 10.029 min Scan# 3097
Delta R.T. -0.000 min
Lab File: VN066766.D
Acq: 26 Apr 2021 17:03

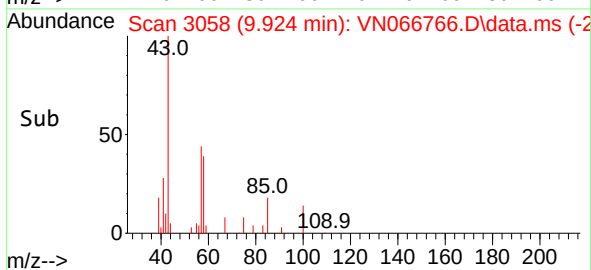
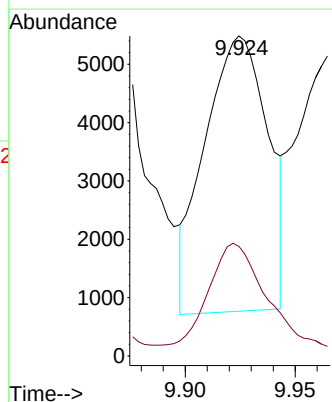
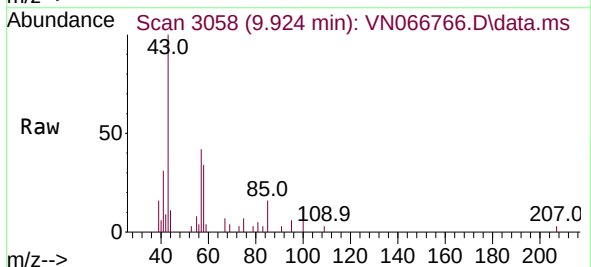
Instrument :
MSVOA_N
ClientSampled :

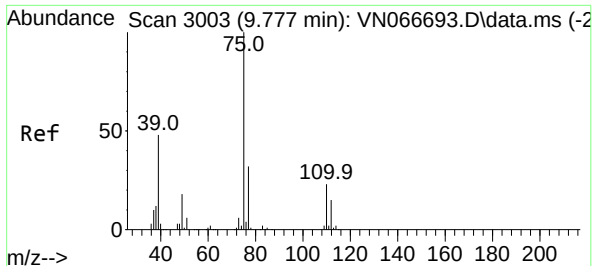
Tgt Ion: 98 Resp: 824171
Ion Ratio Lower Upper
98 100
100 64.0 50.5 75.7



#51
4-Methyl-2-Pentanone
Concen: 1.59 ug/l
RT: 9.924 min Scan# 3058
Delta R.T. 0.002 min
Lab File: VN066766.D
Acq: 26 Apr 2021 17:03

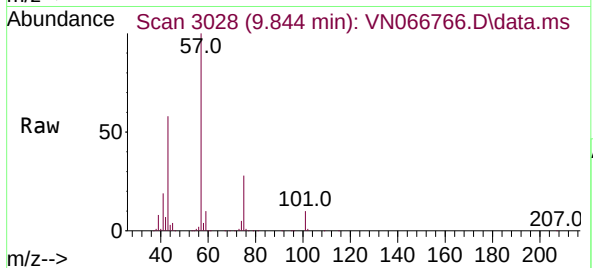
Tgt Ion: 43 Resp: 9396
Ion Ratio Lower Upper
43 100
58 40.5 32.5 48.7



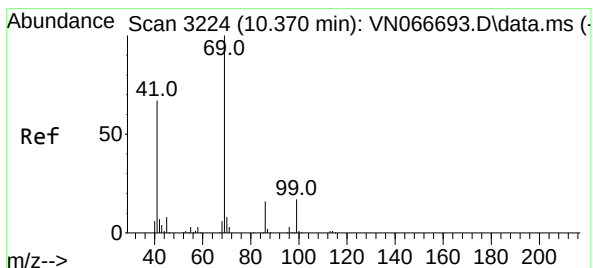
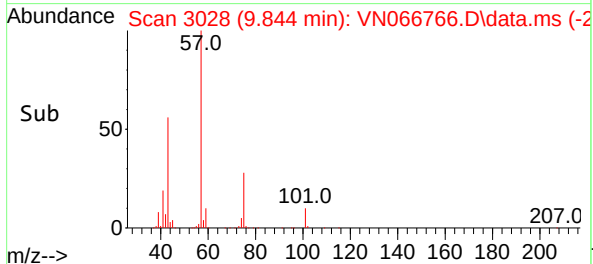
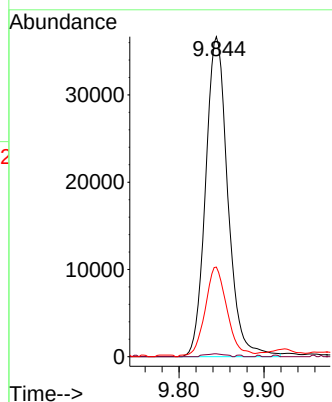


#54
 cis-1,3-Dichloropropene
 Concen: 8.20 ug/l
 RT: 9.844 min Scan# 3028
 Delta R.T. 0.067 min
 Lab File: VN066766.D
 Acq: 26 Apr 2021 17:03

Instrument :
 MSVOA_N
 ClientSampled :

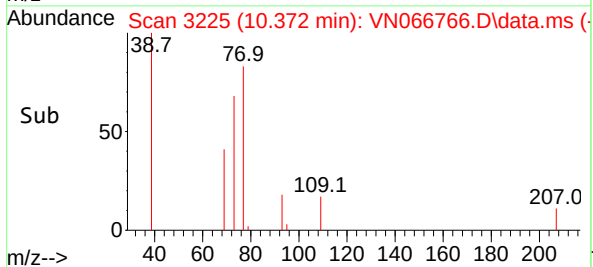
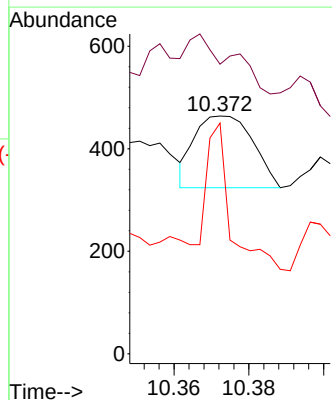
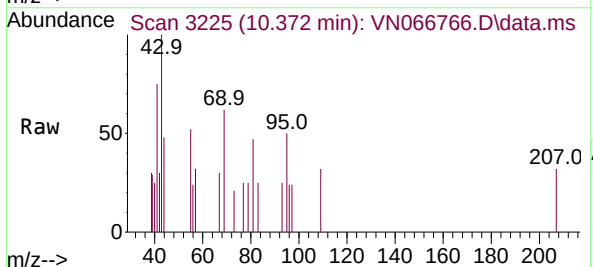


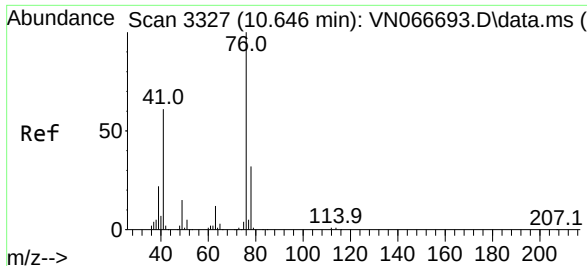
Tgt Ion: 75 Resp: 66608
 Ion Ratio Lower Upper
 75 100
 77 0.9 24.9 37.3#
 39 27.6 36.2 54.4#



#56
 Ethyl methacrylate
 Concen: 3.17 ug/l
 RT: 10.372 min Scan# 3225
 Delta R.T. 0.002 min
 Lab File: VN066766.D
 Acq: 26 Apr 2021 17:03

Tgt Ion: 69 Resp: 152
 Ion Ratio Lower Upper
 69 100
 41 0.0 49.6 74.4#
 39 0.0 28.0 42.0#

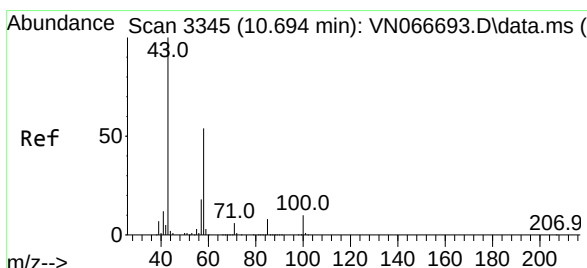
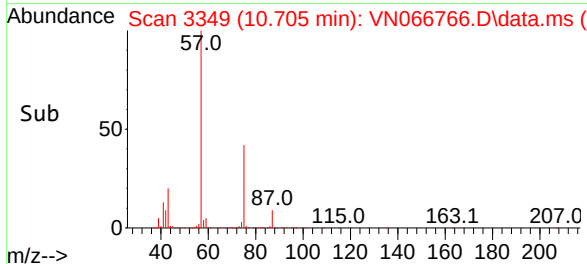
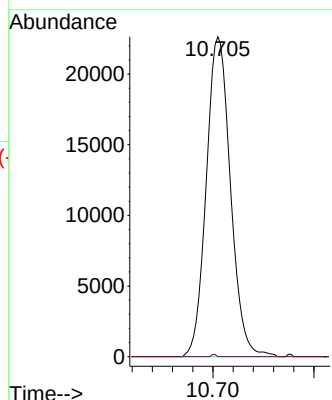
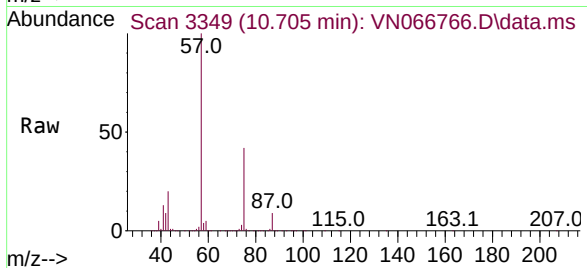




#57
1,3-Dichloropropane
Concen: 4.76 ug/l
RT: 10.705 min Scan# 3349
Delta R.T. 0.059 min
Lab File: VN066766.D
Acq: 26 Apr 2021 17:03

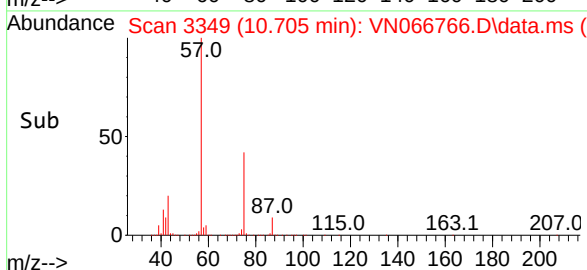
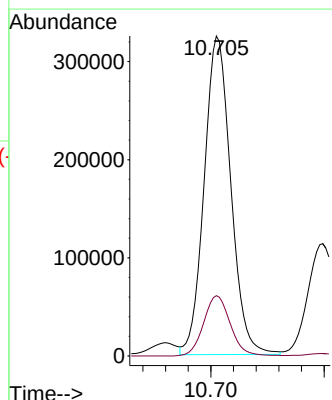
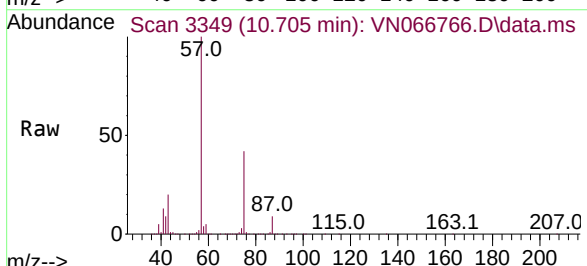
Instrument :
MSVOA_N
ClientSampled :

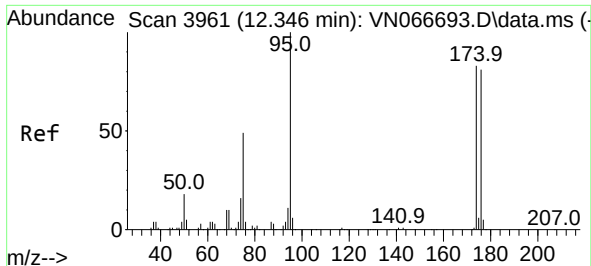
Tgt Ion: 76 Resp: 37692
Ion Ratio Lower Upper
76 100
78 0.1 25.7 38.5#



#59
2-Hexanone
Concen: 128.30 ug/l
RT: 10.705 min Scan# 3349
Delta R.T. 0.011 min
Lab File: VN066766.D
Acq: 26 Apr 2021 17:03

Tgt Ion: 43 Resp: 529931
Ion Ratio Lower Upper
43 100
58 19.1 28.1 84.3#

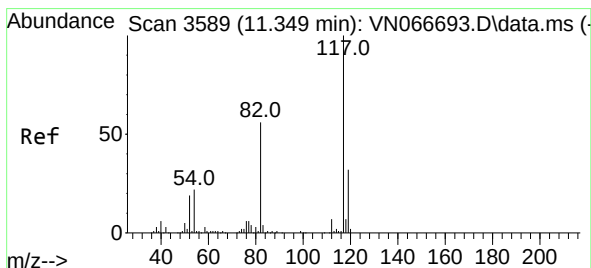
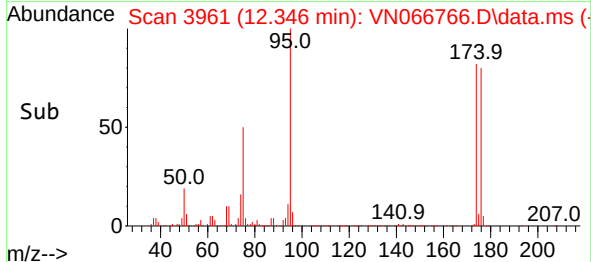
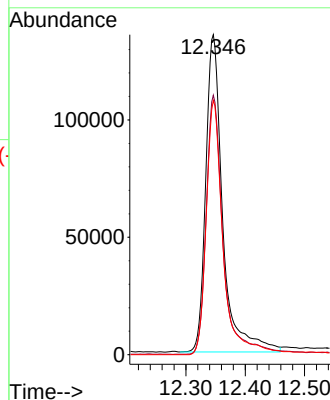
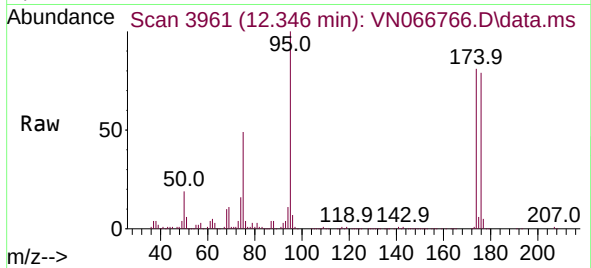




#62
4-Bromofluorobenzene
Concen: 47.42 ug/l
RT: 12.346 min Scan# 3961
Delta R.T. 0.000 min
Lab File: VN066766.D
Acq: 26 Apr 2021 17:03

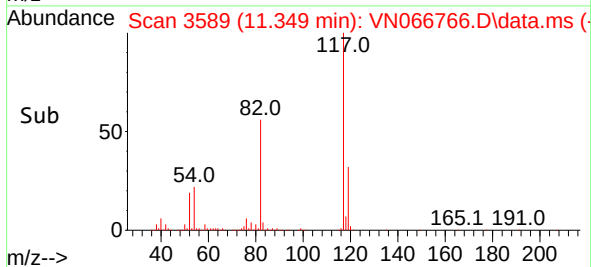
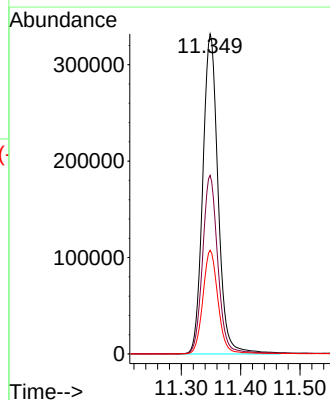
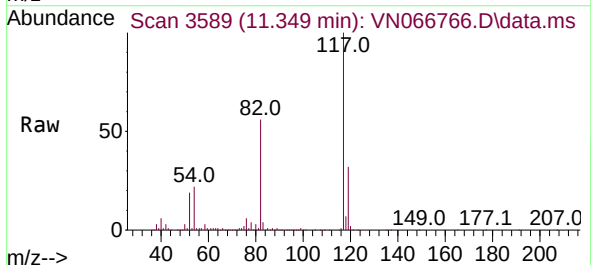
Instrument :
MSVOA_N
ClientSampled :

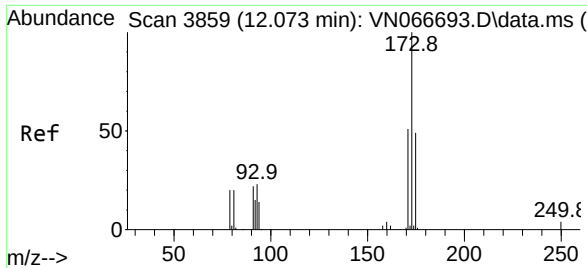
Tgt Ion: 95 Resp: 268361
Ion Ratio Lower Upper
95 100
174 81.8 0.0 169.0
176 80.3 0.0 162.4



#63
Chlorobenzene-d5
Concen: 50.00 ug/l
RT: 11.349 min Scan# 3589
Delta R.T. -0.000 min
Lab File: VN066766.D
Acq: 26 Apr 2021 17:03

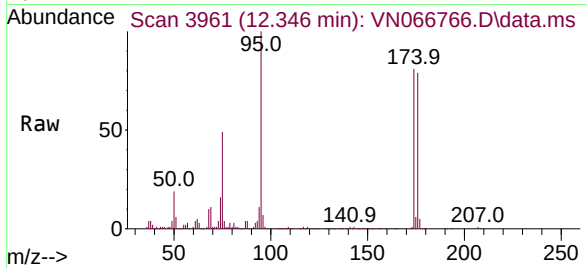
Tgt Ion: 117 Resp: 595515
Ion Ratio Lower Upper
117 100
82 55.7 43.7 65.5
119 32.3 26.1 39.1



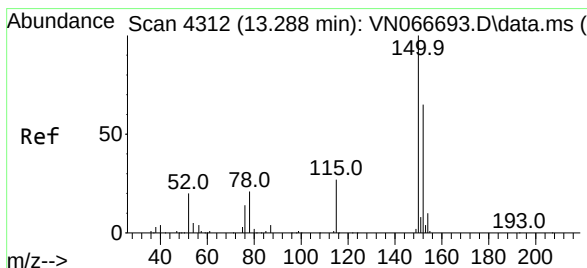
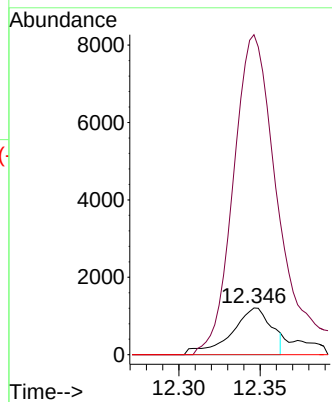
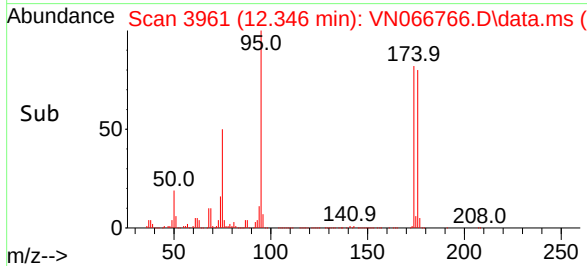


#71
Bromoform
Concen: 0.62 ug/l
RT: 12.346 min Scan# 3961
Delta R.T. 0.273 min
Lab File: VN066766.D
Acq: 26 Apr 2021 17:03

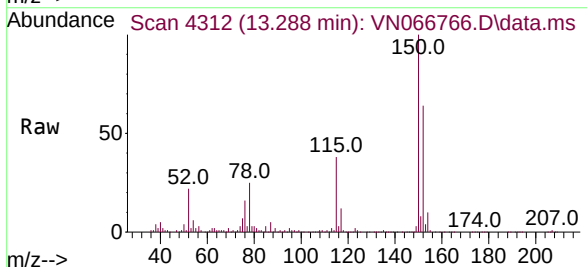
Instrument :
MSVOA_N
ClientSampled :



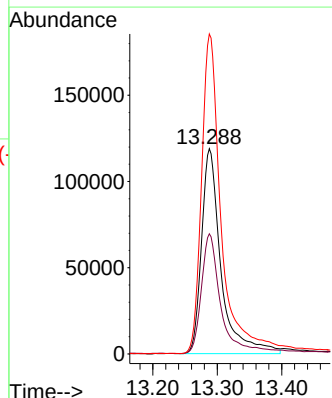
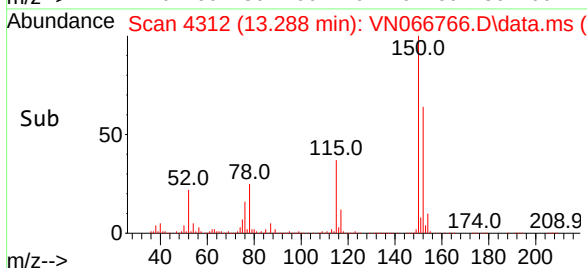
Tgt Ion:173 Resp: 2072
Ion Ratio Lower Upper
173 100
175 648.0 23.8 71.2#
254 0.0 0.0 0.0

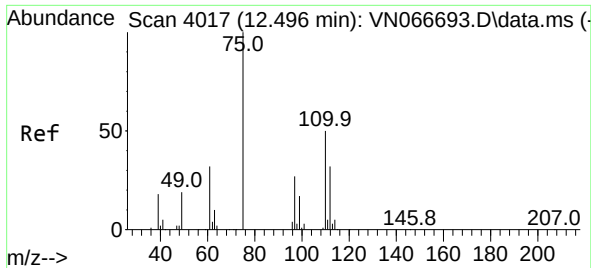


#72
1,4-Dichlorobenzene-d4
Concen: 50.00 ug/l
RT: 13.288 min Scan# 4312
Delta R.T. -0.000 min
Lab File: VN066766.D
Acq: 26 Apr 2021 17:03



Tgt Ion:152 Resp: 250326
Ion Ratio Lower Upper
152 100
115 59.3 28.5 85.6
150 161.8 0.0 347.6

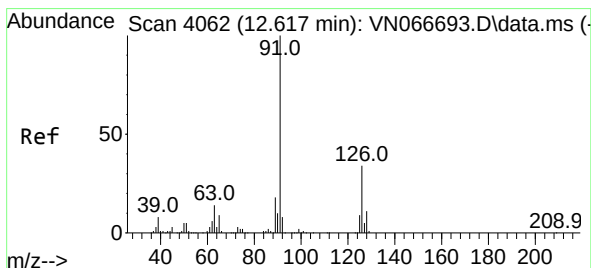
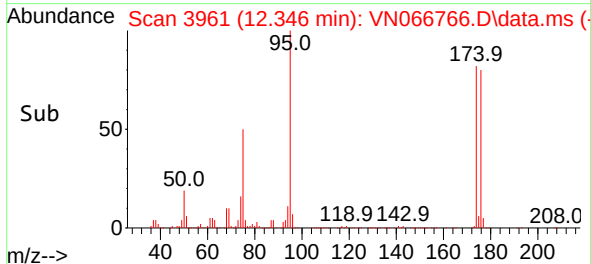
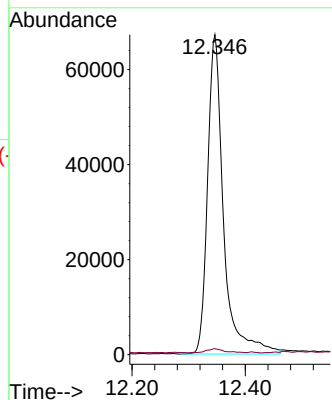
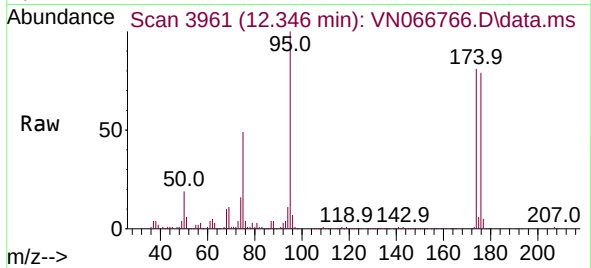




#76
1,2,3-Trichloropropane
Concen: 24.48 ug/l
RT: 12.346 min Scan# 3961
Delta R.T. -0.150 min
Lab File: VN066766.D
Acq: 26 Apr 2021 17:03

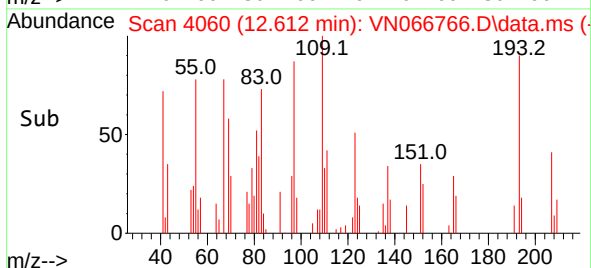
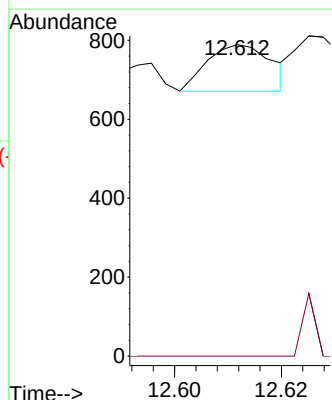
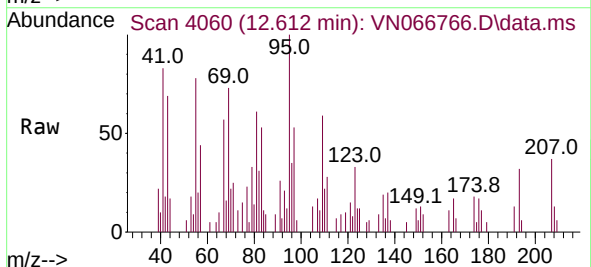
Instrument :
MSVOA_N
ClientSampled :

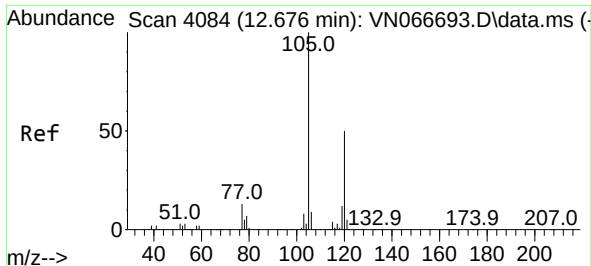
Tgt Ion: 75 Resp: 131096
Ion Ratio Lower Upper
75 100
77 1.1 0.0 0.0#



#79
2-Chlorotoluene
Concen: 0.94 ug/l
RT: 12.612 min Scan# 4060
Delta R.T. -0.005 min
Lab File: VN066766.D
Acq: 26 Apr 2021 17:03

Tgt Ion: 91 Resp: 98
Ion Ratio Lower Upper
91 100
126 26.5 17.4 52.3

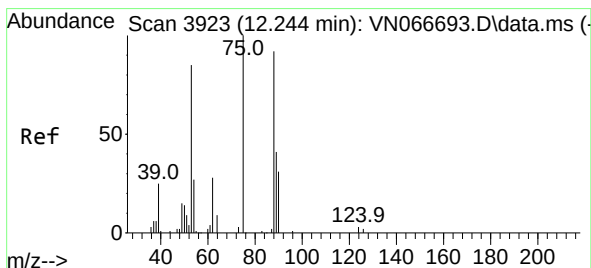
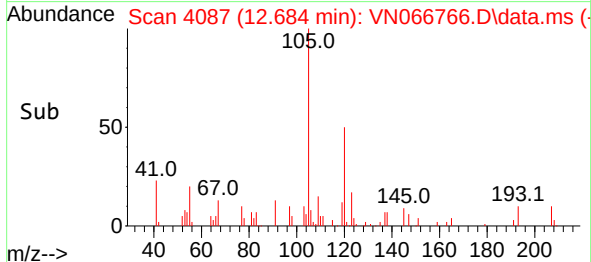
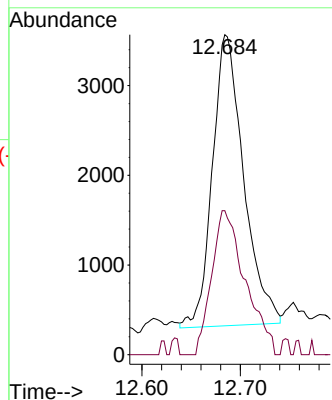
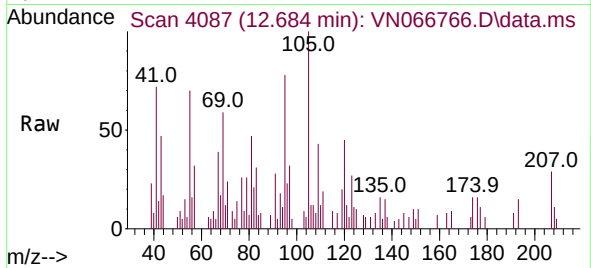




#80
1,3,5-Trimethylbenzene
Concen: 0.47 ug/l
RT: 12.684 min Scan# 4087
Delta R.T. 0.008 min
Lab File: VN066766.D
Acq: 26 Apr 2021 17:03

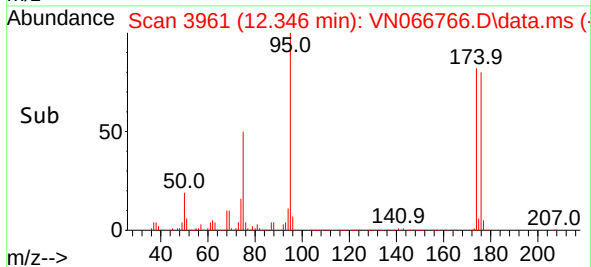
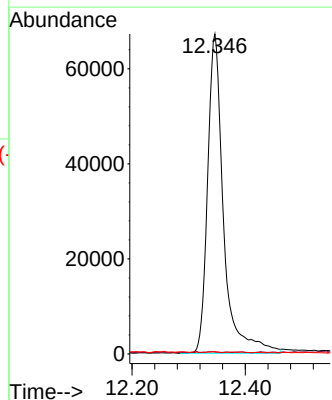
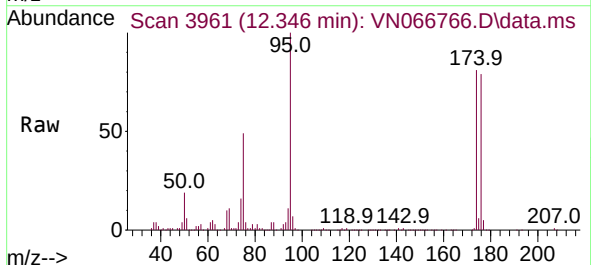
Instrument :
MSVOA_N
ClientSampled :

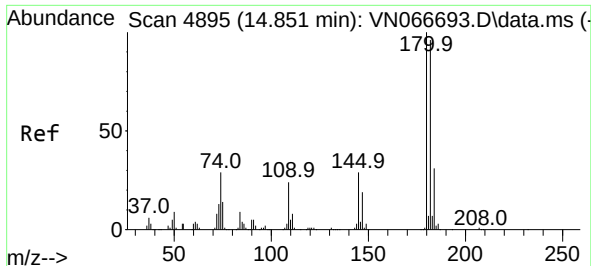
Tgt Ion:105 Resp: 7170
Ion Ratio Lower Upper
105 100
120 53.0 24.3 72.8



#81
trans-1,4-Dichloro-2-butene
Concen: 72.20 ug/l
RT: 12.346 min Scan# 3961
Delta R.T. 0.102 min
Lab File: VN066766.D
Acq: 26 Apr 2021 17:03

Tgt Ion: 75 Resp: 131096
Ion Ratio Lower Upper
75 100
53 0.2 74.6 111.8#
89 0.2 35.8 53.8#

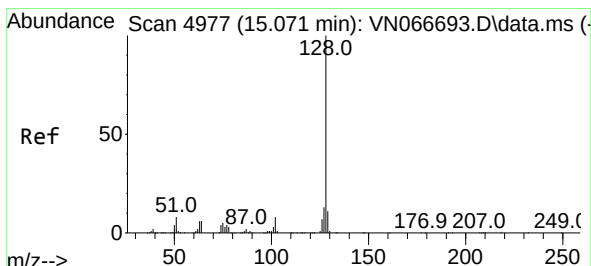
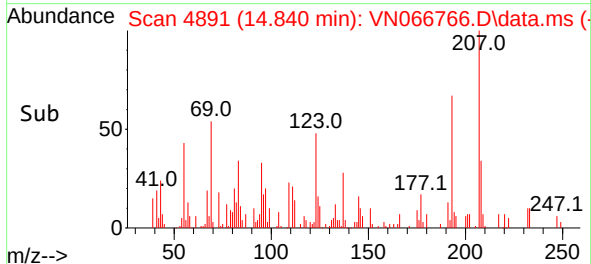
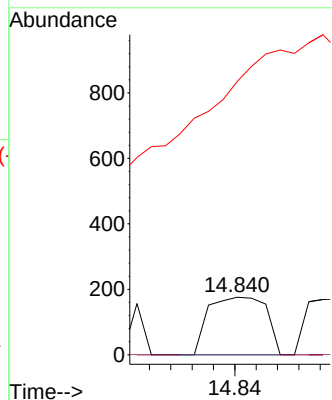
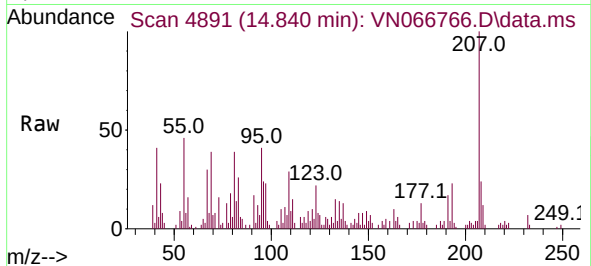




#93
1,2,4-Trichlorobenzene
Concen: 2.03 ug/l
RT: 14.840 min Scan# 4891
Delta R.T. -0.011 min
Lab File: VN066766.D
Acq: 26 Apr 2021 17:03

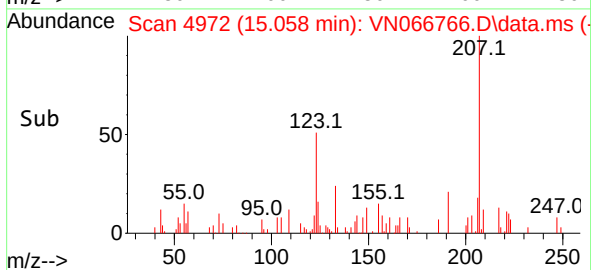
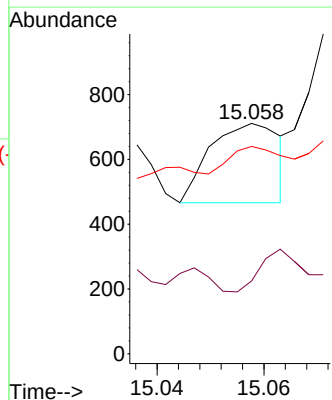
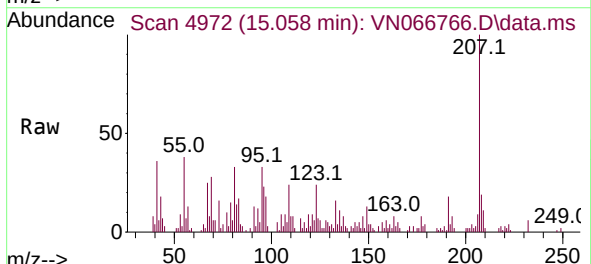
Instrument :
MSVOA_N
ClientSampled :

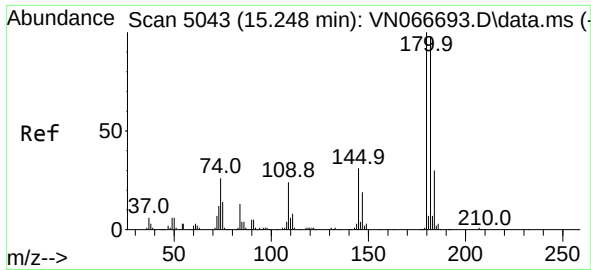
Tgt Ion:180 Resp: 132
Ion Ratio Lower Upper
180 100
182 0.0 47.3 142.0#
145 0.0 15.6 46.8#



#95
Naphthalene
Concen: 1.86 ug/l
RT: 15.058 min Scan# 4972
Delta R.T. -0.013 min
Lab File: VN066766.D
Acq: 26 Apr 2021 17:03

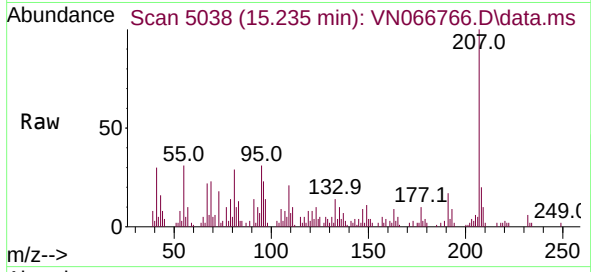
Tgt Ion:128 Resp: 220
Ion Ratio Lower Upper
128 100
127 34.1 10.2 15.2#
129 26.4 8.6 13.0#





#96
 1,2,3-Trichlorobenzene
 Concen: 1.38 ug/l
 RT: 15.235 min Scan# 5038
 Delta R.T. -0.013 min
 Lab File: VN066766.D
 Acq: 26 Apr 2021 17:03

Instrument :
 MSVOA_N
 ClientSampleId :



Tgt Ion:	180	Resp:	82
Ion Ratio	Lower	Upper	
180	100		
182	0.0	47.4	142.3#
145	113.4	16.5	49.5#

