

Data Path : Z:\voasrv\HPCHEM1\MSVOA_N\Data\VN042821\
 Data File : VN066843.D
 Acq On : 29 Apr 2021 4:30
 Operator : JC/MD
 Sample : M2137-12
 Misc : 5.00mL/MSVOA_N/WATER
 ALS Vial : 47 Sample Multiplier: 1

Instrument :
 MSVOA_N
 ClientSampleId :

Quant Time: Apr 29 07:45:25 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)

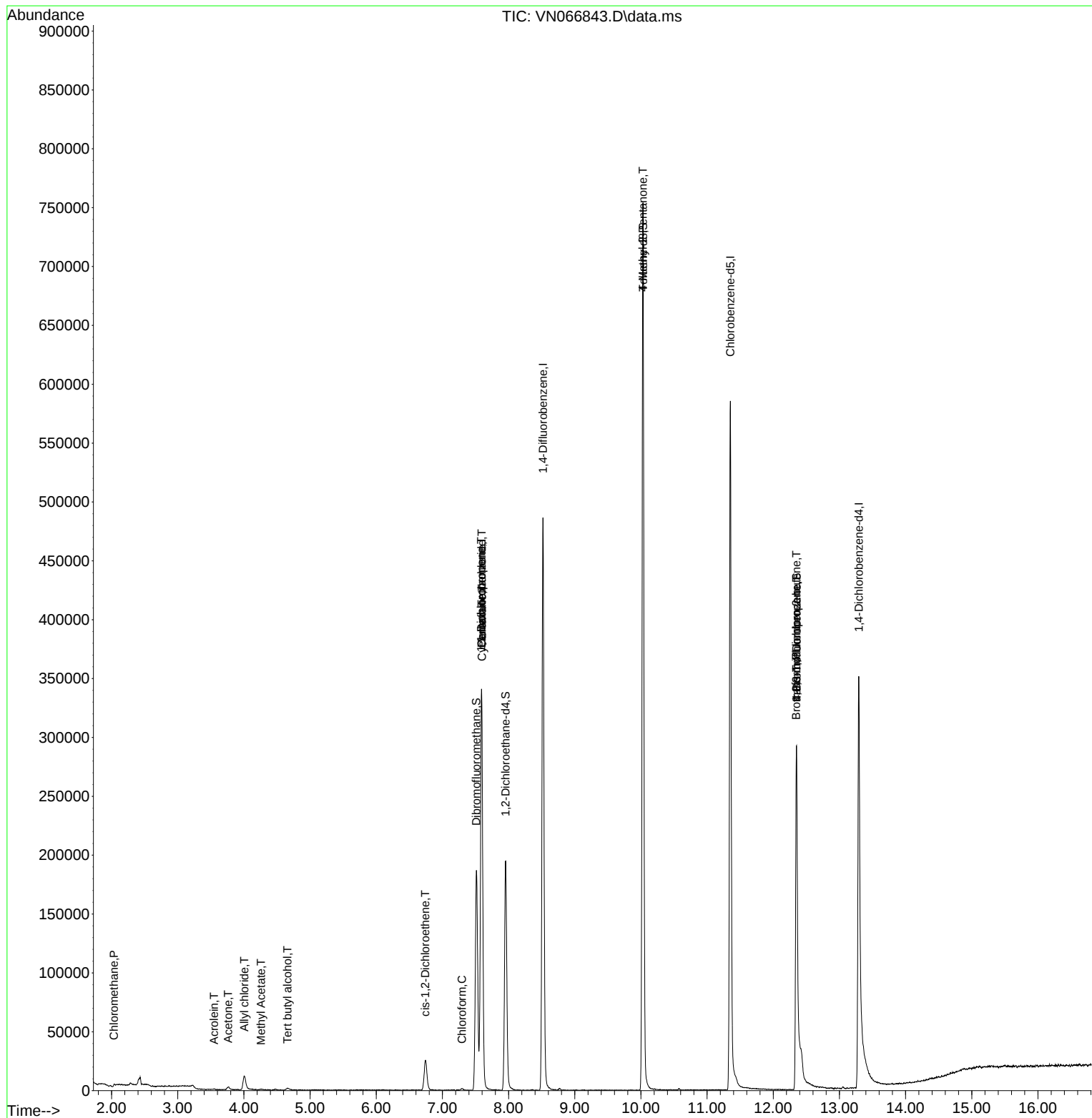
Internal Standards						
1) Pentafluorobenzene	7.594	168	306575	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	8.519	114	462450	50.00	ug/l	0.00
63) Chlorobenzene-d5	11.351	117	401977	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.293	152	163748	50.00	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	7.956	65	167491	42.52	ug/l	0.00
Spiked Amount 50.000	Range 61 - 141		Recovery = 85.04%			
35) Dibromofluoromethane	7.513	113	149937	52.52	ug/l	0.00
Spiked Amount 50.000	Range 69 - 133		Recovery = 105.04%			
50) Toluene-d8	10.031	98	553150	49.37	ug/l	0.00
Spiked Amount 50.000	Range 65 - 126		Recovery = 98.74%			
62) 4-Bromofluorobenzene	12.351	95	136171	35.92	ug/l	0.00
Spiked Amount 50.000	Range 58 - 135		Recovery = 71.84%			
Target Compounds						
						Qvalue
3) Chloromethane	2.037	50	962	0.22	ug/l	93
11) Tert butyl alcohol	4.660	59	846	1.39	ug/l #	73
13) Acrolein	3.546	56	305	0.60	ug/l #	21
14) Allyl chloride	4.005	41	1966	0.34	ug/l #	77
16) Acetone	3.761	43	4159	2.80	ug/l	96
18) Methyl Acetate	4.257	43	922	1.34	ug/l #	51
27) cis-1,2-Dichloroethene	6.741	96	13823	3.62	ug/l	89
30) Chloroform	7.296	83	1821	0.29	ug/l	99
31) Cyclohexane	7.596	56	4911	0.81	ug/l #	1
36) 1,1-Dichloropropene	7.588	75	20029	4.66	ug/l #	48
38) Carbon Tetrachloride	7.594	117	25662	6.23	ug/l #	16
51) 4-Methyl-2-Pentanone	10.029	43	2189	0.56	ug/l #	1
71) Bromoform	12.346	173	880	0.40	ug/l #	1
76) 1,2,3-Trichloropropane	12.349	75	69644	20.18	ug/l #	100
81) trans-1,4-Dichloro-2-b...	12.349	75	69644	55.48	ug/l #	12

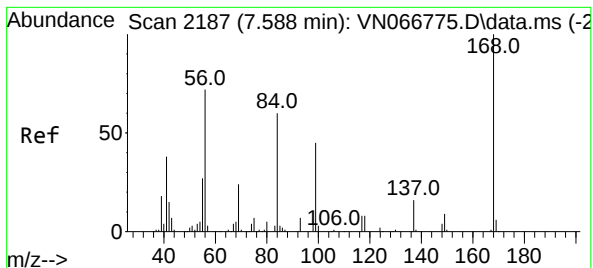
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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#1

Pentafluorobenzene

Concen: 50.00 ug/l

RT: 7.594 min Scan# 2189

Delta R.T. 0.006 min

Lab File: VN066843.D

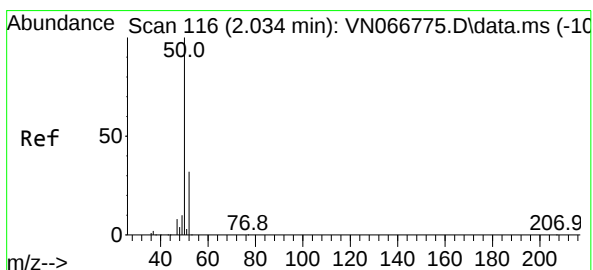
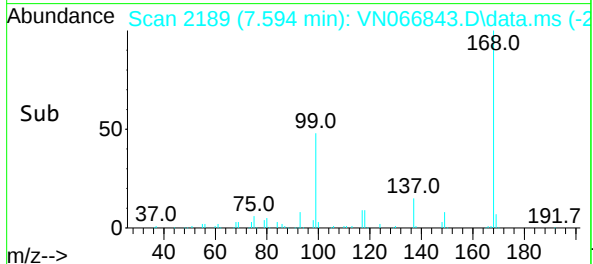
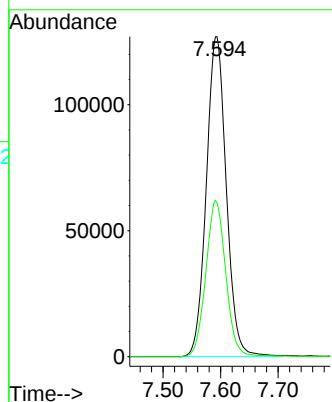
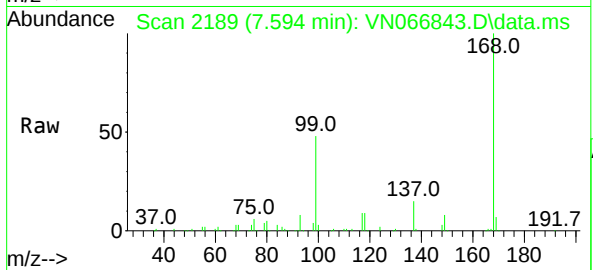
Acq: 29 Apr 2021 4:30

Tgt Ion:168 Resp: 306575

Ion Ratio Lower Upper

168 100

99 48.2 42.6 63.8



#3

Chloromethane

Concen: 0.22 ug/l

RT: 2.037 min Scan# 117

Delta R.T. 0.003 min

Lab File: VN066843.D

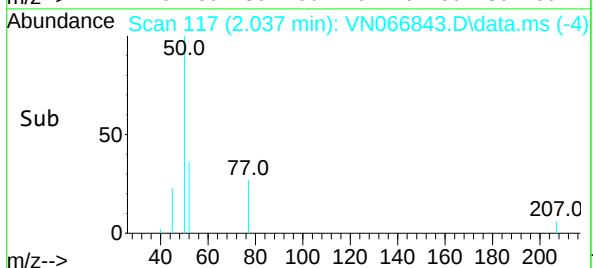
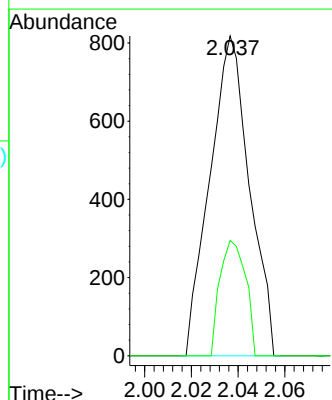
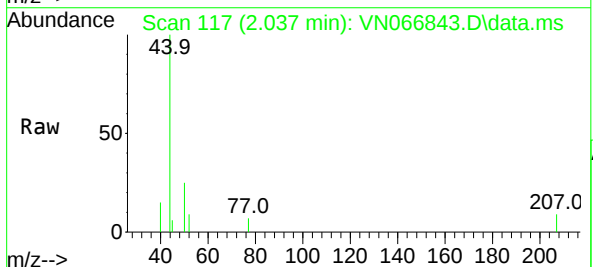
Acq: 29 Apr 2021 4:30

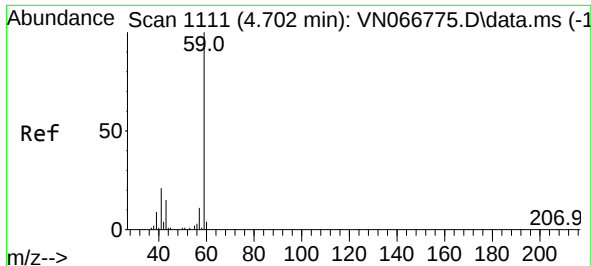
Tgt Ion: 50 Resp: 962

Ion Ratio Lower Upper

50 100

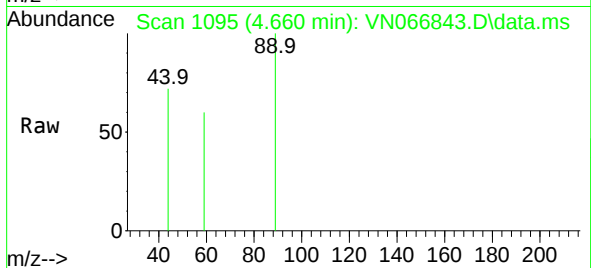
52 36.1 25.8 38.8



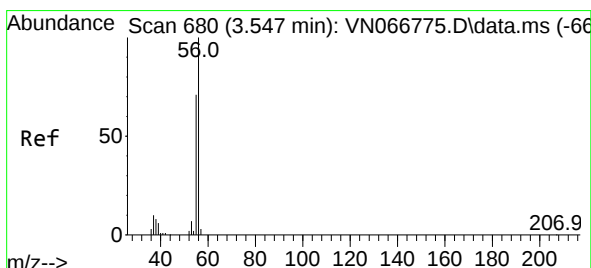
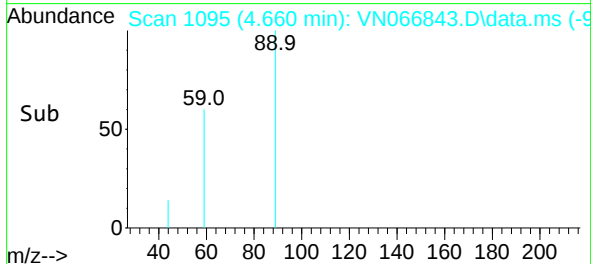
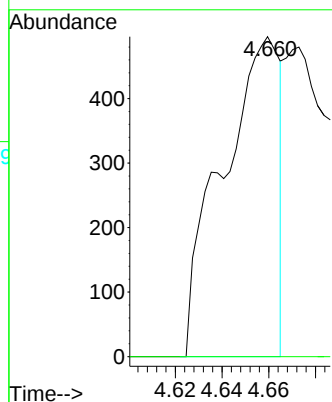


#11
Tert butyl alcohol
Concen: 1.39 ug/l
RT: 4.660 min Scan# 1095
Delta R.T. -0.042 min
Lab File: VN066843.D
Acq: 29 Apr 2021 4:30

Instrument :
MSVOA_N
ClientSampled :

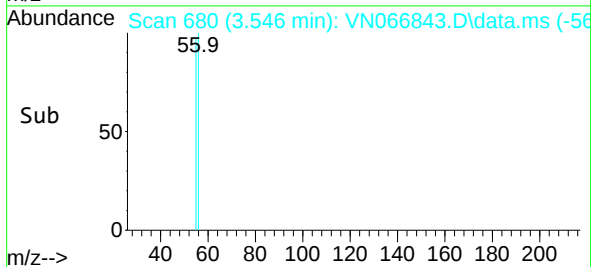
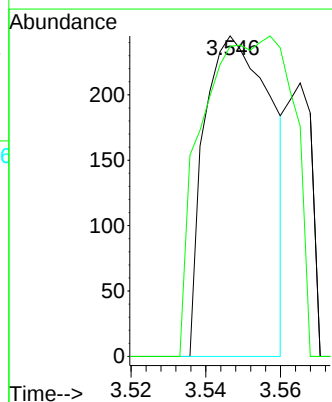
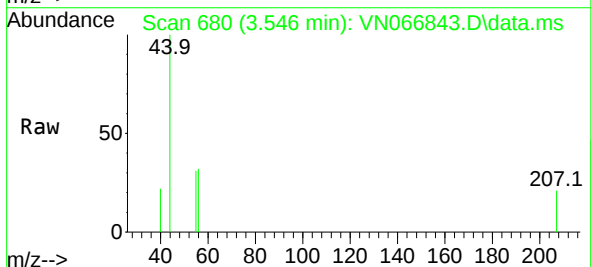


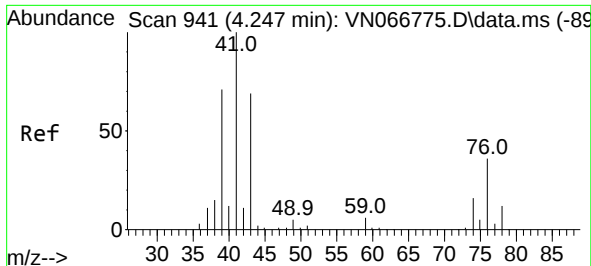
Tgt Ion: 59 Resp: 846
Ion Ratio Lower Upper
59 100
57 0.0 8.0 12.0#



#13
Acrolein
Concen: 0.60 ug/l
RT: 3.546 min Scan# 680
Delta R.T. -0.001 min
Lab File: VN066843.D
Acq: 29 Apr 2021 4:30

Tgt Ion: 56 Resp: 305
Ion Ratio Lower Upper
56 100
55 135.1 56.0 84.0#

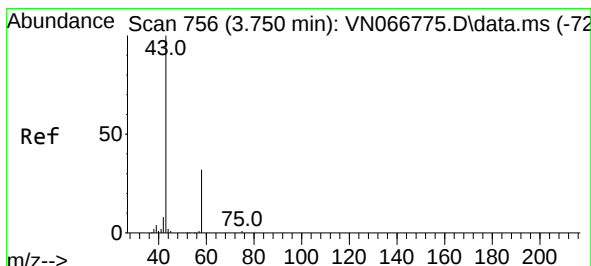
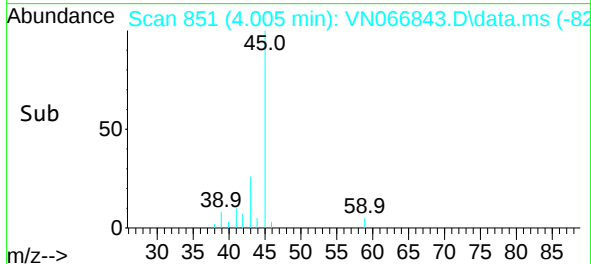
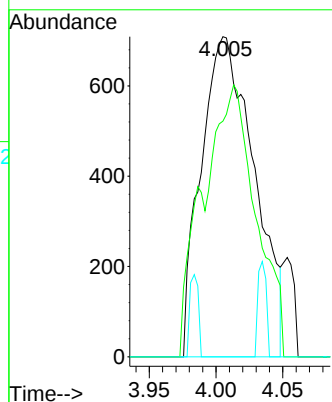
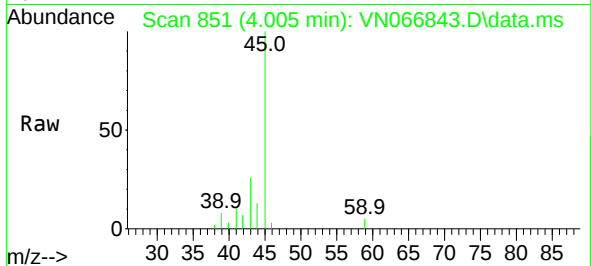




#14
 Allyl chloride
 Concen: 0.34 ug/l
 RT: 4.005 min Scan# 851
 Delta R.T. -0.242 min
 Lab File: VN066843.D
 Acq: 29 Apr 2021 4:30

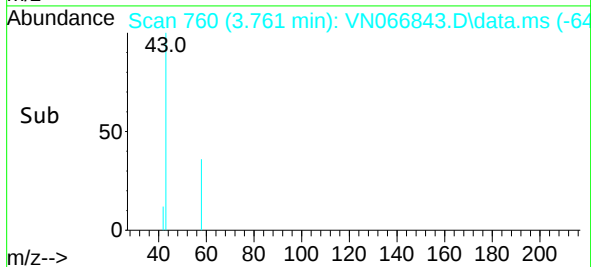
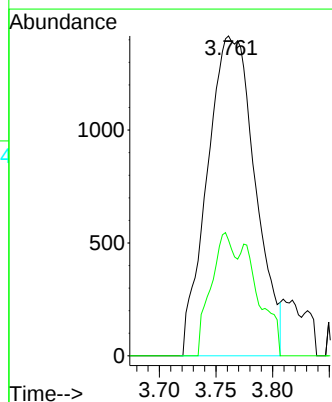
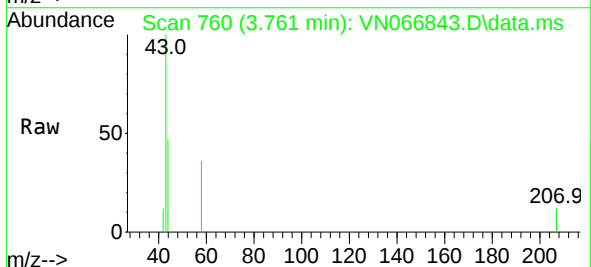
Instrument :
 MSVOA_N
 ClientSampled :

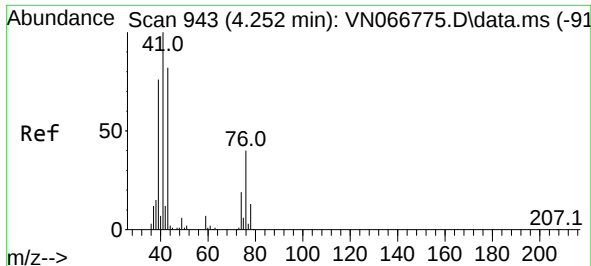
Tgt Ion: 41	Resp: 1966
Ion Ratio	Lower Upper
41 100	
39 67.4	53.0 79.4
76 0.0	28.9 43.3#



#16
 Acetone
 Concen: 2.80 ug/l
 RT: 3.761 min Scan# 760
 Delta R.T. 0.011 min
 Lab File: VN066843.D
 Acq: 29 Apr 2021 4:30

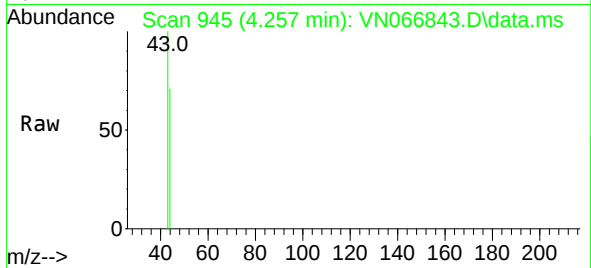
Tgt Ion: 43	Resp: 4159
Ion Ratio	Lower Upper
43 100	
58 36.2	27.0 40.6



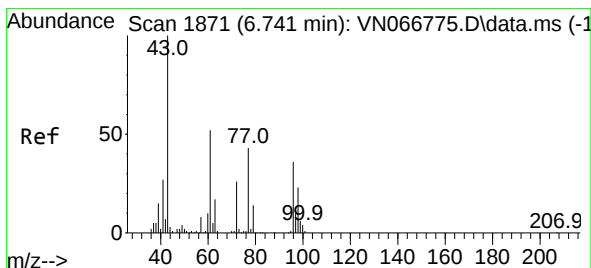
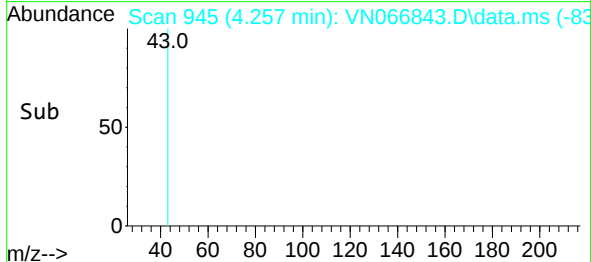
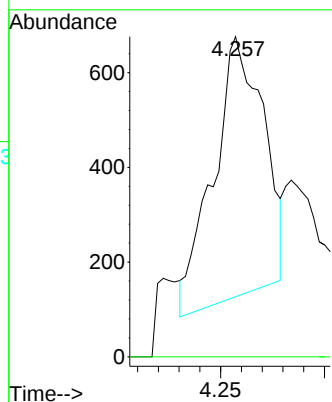


#18
Methyl Acetate
Concen: 1.34 ug/l
RT: 4.257 min Scan# 945
Delta R.T. 0.005 min
Lab File: VN066843.D
Acq: 29 Apr 2021 4:30

Instrument :
MSVOA_N
ClientSampled :

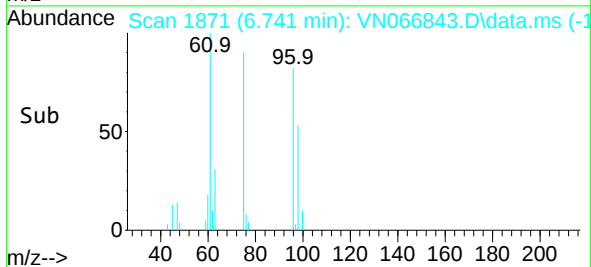
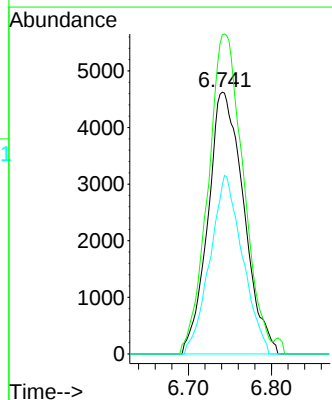
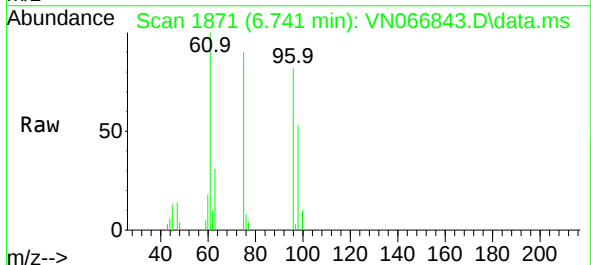


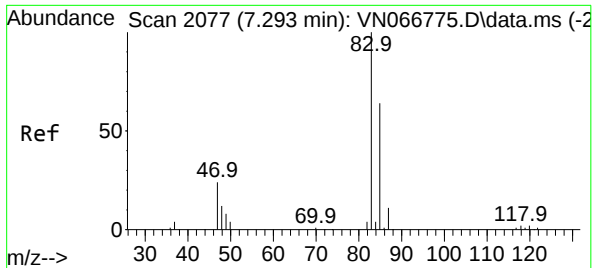
Tgt Ion: 43 Resp: 922
Ion Ratio Lower Upper
43 100
74 0.0 19.5 29.3#



#27
cis-1,2-Dichloroethene
Concen: 3.62 ug/l
RT: 6.741 min Scan# 1871
Delta R.T. -0.000 min
Lab File: VN066843.D
Acq: 29 Apr 2021 4:30

Tgt Ion: 96 Resp: 13823
Ion Ratio Lower Upper
96 100
61 120.4 0.0 276.8
98 62.1 0.0 129.4





#30

Chloroform

Concen: 0.29 ug/l

RT: 7.296 min Scan# 2078

Delta R.T. 0.003 min

Lab File: VN066843.D

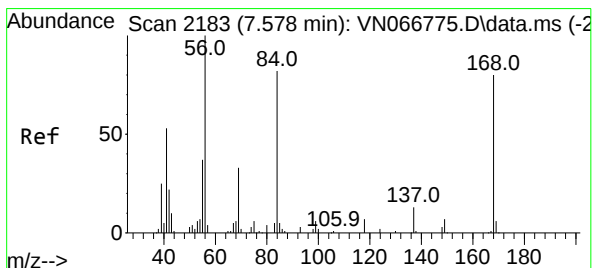
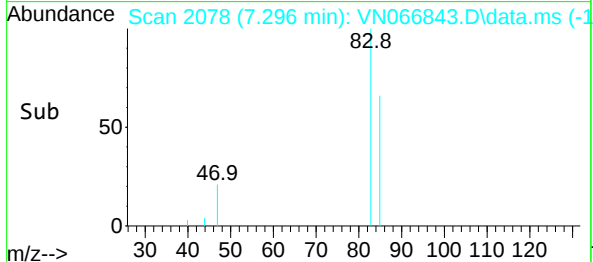
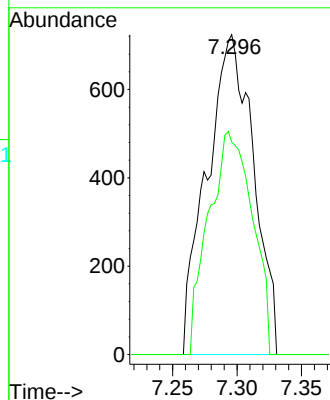
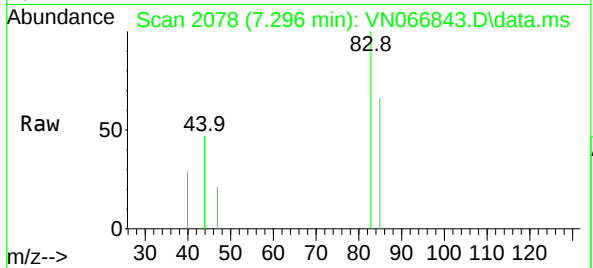
Acq: 29 Apr 2021 4:30

Tgt Ion: 83 Resp: 1821

Ion Ratio Lower Upper

83 100

85 66.4 52.6 78.8



#31

Cyclohexane

Concen: 0.81 ug/l

RT: 7.596 min Scan# 2190

Delta R.T. 0.018 min

Lab File: VN066843.D

Acq: 29 Apr 2021 4:30

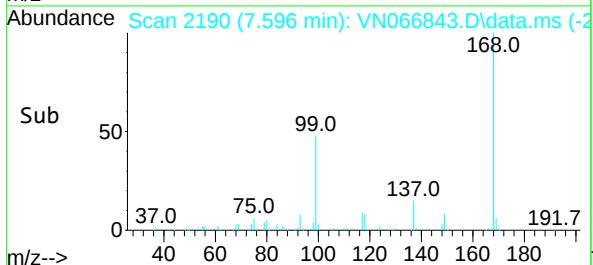
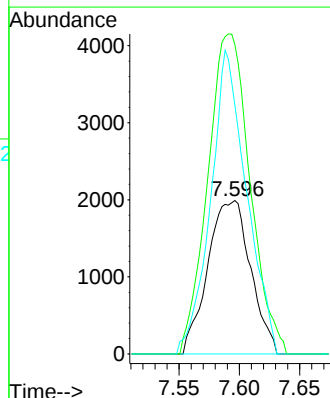
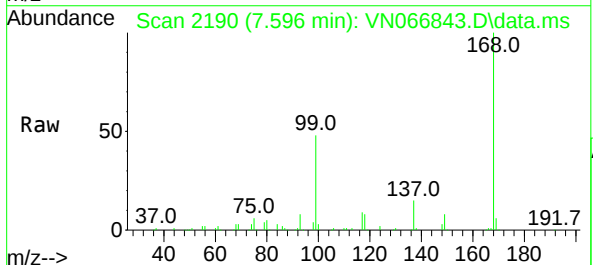
Tgt Ion: 56 Resp: 4911

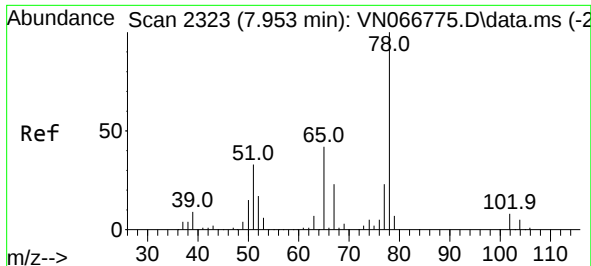
Ion Ratio Lower Upper

56 100

69 201.5 26.6 39.8#

84 161.9 70.4 105.6#

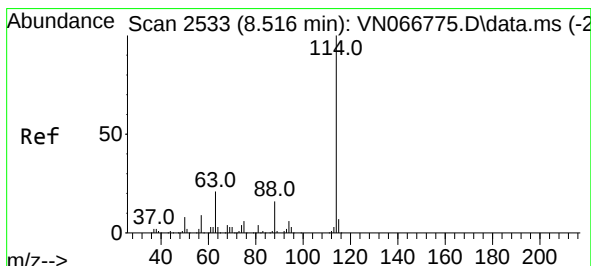
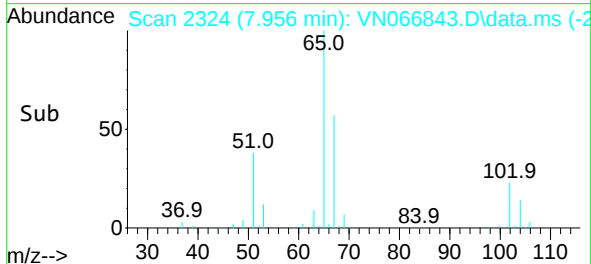
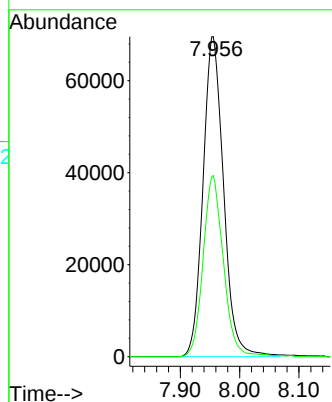
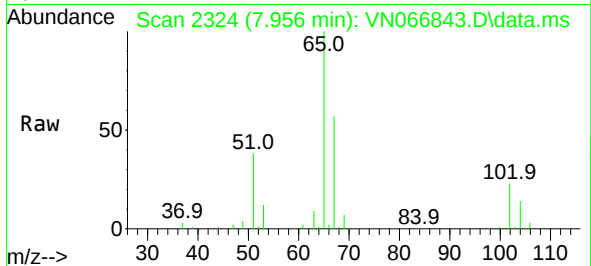




#33
 1,2-Dichloroethane-d4
 Concen: 42.52 ug/l
 RT: 7.956 min Scan# 2324
 Delta R.T. 0.003 min
 Lab File: VN066843.D
 Acq: 29 Apr 2021 4:30

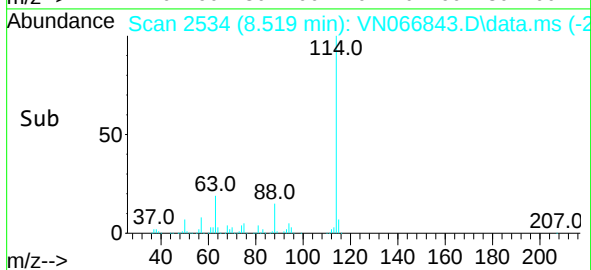
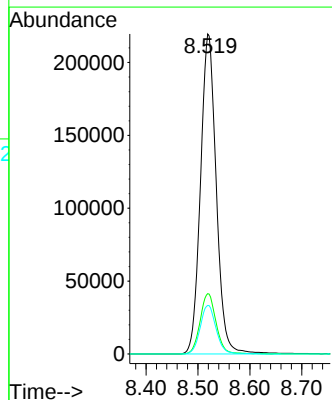
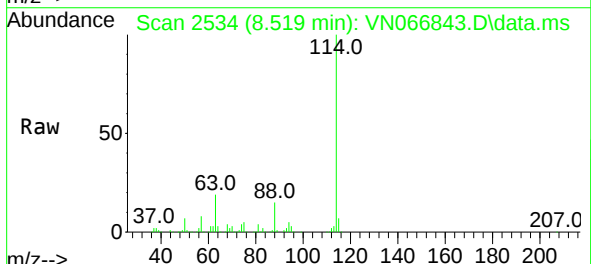
Instrument :
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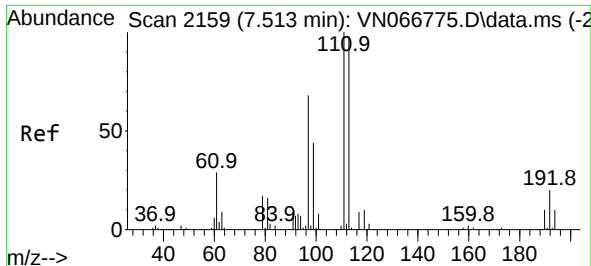
Tgt Ion: 65 Resp: 167491
 Ion Ratio Lower Upper
 65 100
 67 55.6 0.0 107.2



#34
 1,4-Difluorobenzene
 Concen: 50.00 ug/l
 RT: 8.519 min Scan# 2534
 Delta R.T. 0.003 min
 Lab File: VN066843.D
 Acq: 29 Apr 2021 4:30

Tgt Ion: 114 Resp: 462450
 Ion Ratio Lower Upper
 114 100
 63 18.8 0.0 38.6
 88 15.2 0.0 30.6

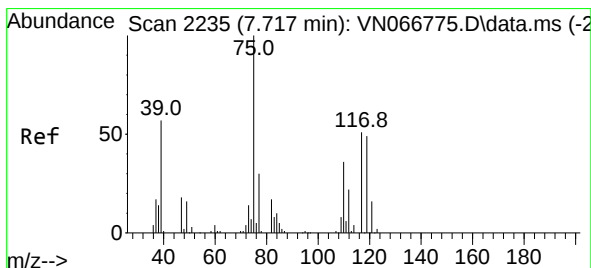
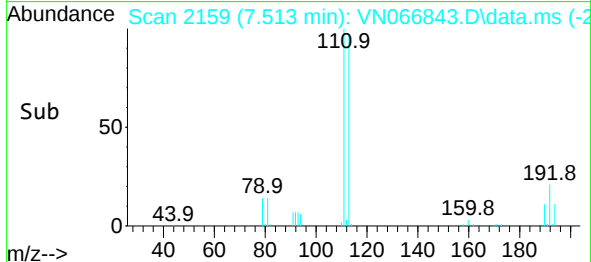
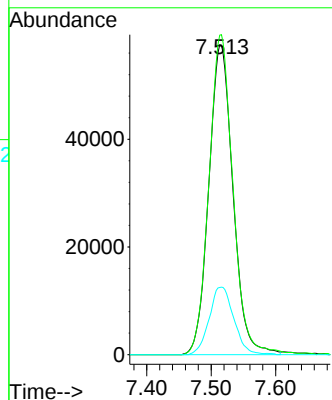
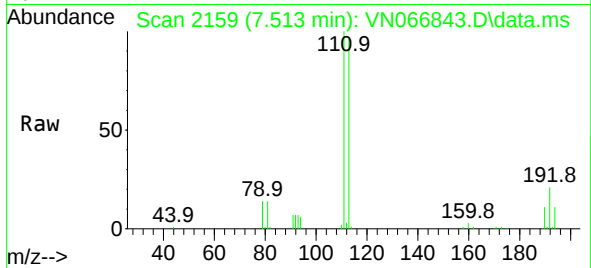




#35
Dibromofluoromethane
Concen: 52.52 ug/l
RT: 7.513 min Scan# 2159
Delta R.T. 0.000 min
Lab File: VN066843.D
Acq: 29 Apr 2021 4:30

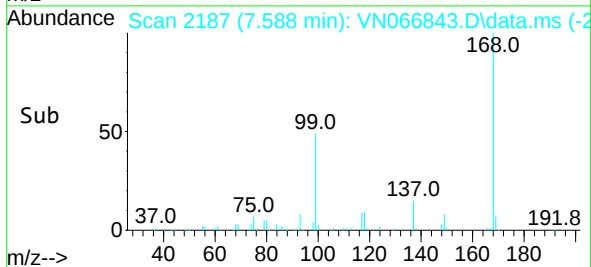
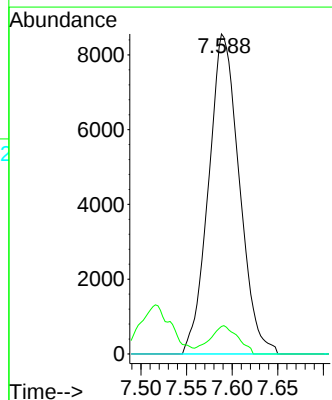
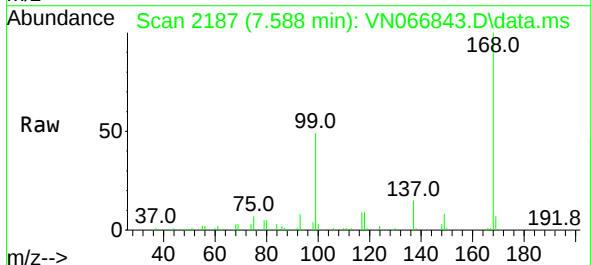
Instrument :
MSVOA_N
ClientSampled :

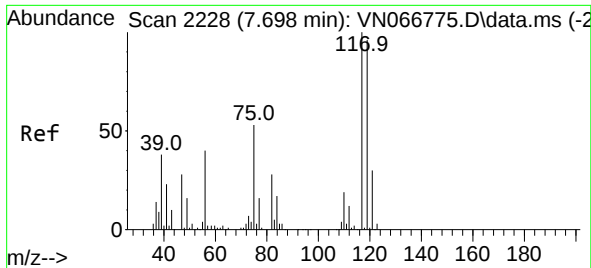
Tgt Ion:113 Resp: 149937
Ion Ratio Lower Upper
113 100
111 102.3 82.2 123.2
192 22.1 15.4 23.0



#36
1,1-Dichloropropene
Concen: 4.66 ug/l
RT: 7.588 min Scan# 2187
Delta R.T. -0.129 min
Lab File: VN066843.D
Acq: 29 Apr 2021 4:30

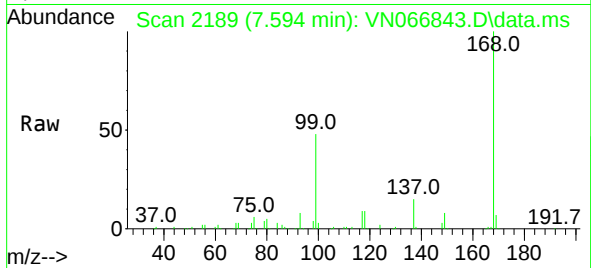
Tgt Ion: 75 Resp: 20029
Ion Ratio Lower Upper
75 100
110 8.1 18.2 54.6#
77 0.0 24.9 37.3#



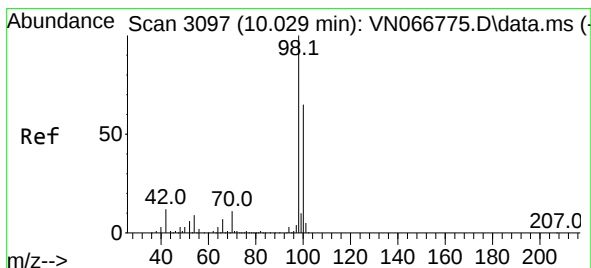
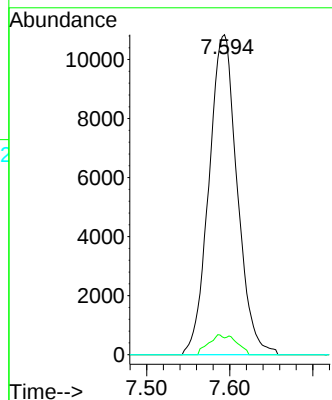
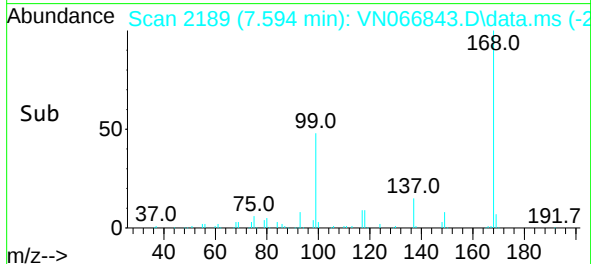


#38
Carbon Tetrachloride
Concen: 6.23 ug/l
RT: 7.594 min Scan# 2189
Delta R.T. -0.104 min
Lab File: VN066843.D
Acq: 29 Apr 2021 4:30

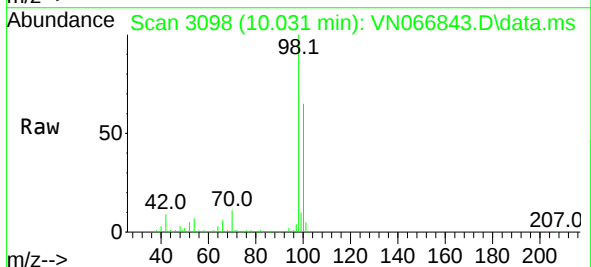
Instrument :
MSVOA_N
ClientSampled :



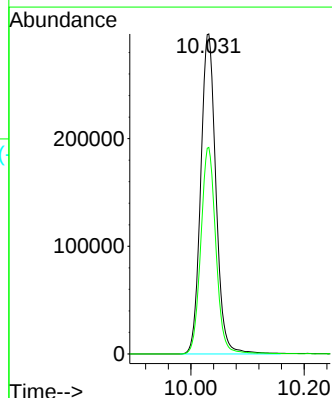
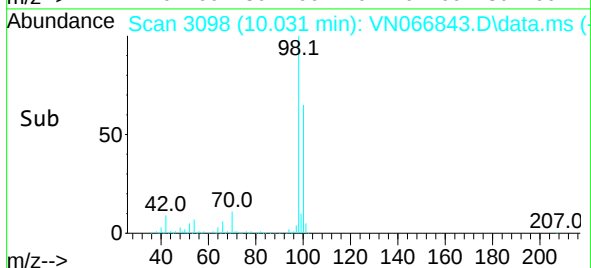
Tgt Ion:117 Resp: 25662
Ion Ratio Lower Upper
117 100
119 5.2 76.0 114.0#
121 0.0 24.5 36.7#

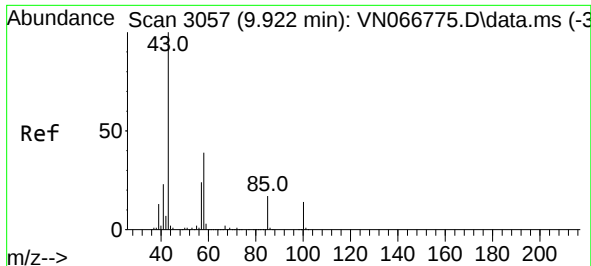


#50
Toluene-d8
Concen: 49.37 ug/l
RT: 10.031 min Scan# 3098
Delta R.T. 0.002 min
Lab File: VN066843.D
Acq: 29 Apr 2021 4:30



Tgt Ion: 98 Resp: 553150
Ion Ratio Lower Upper
98 100
100 63.9 50.5 75.7

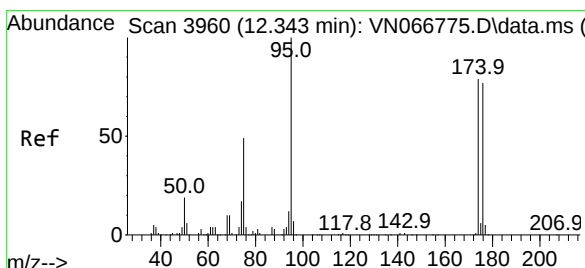
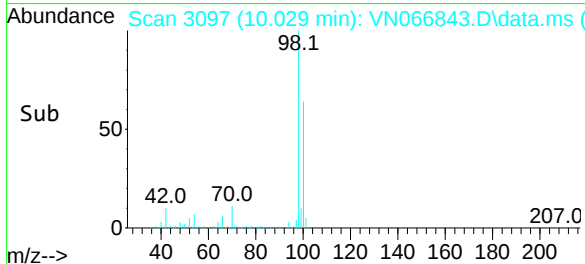
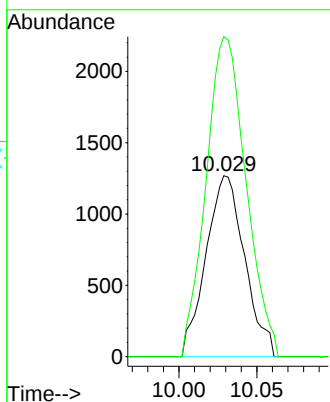
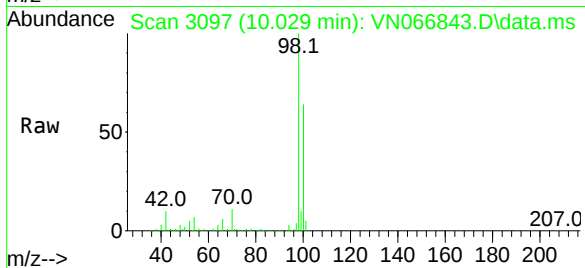




#51
4-Methyl-2-Pentanone
Concen: 0.56 ug/l
RT: 10.029 min Scan# 3097
Delta R.T. 0.107 min
Lab File: VN066843.D
Acq: 29 Apr 2021 4:30

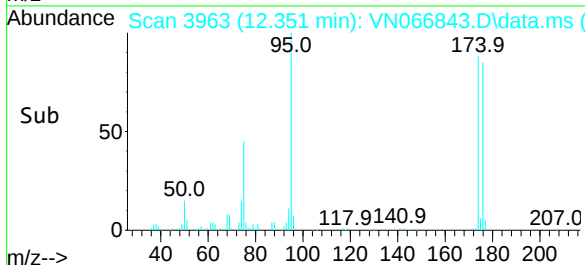
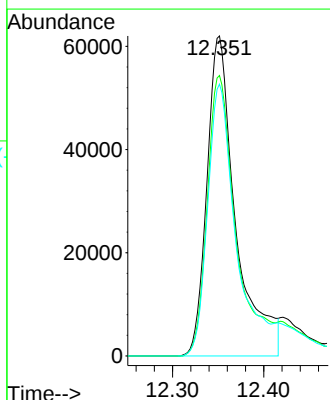
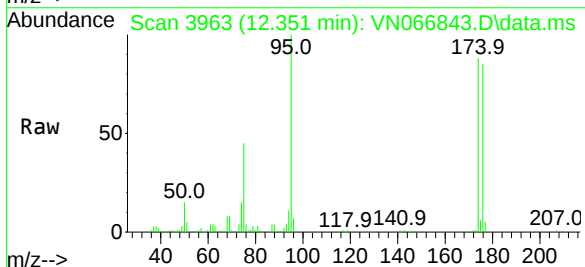
Instrument :
MSVOA_N
ClientSampled :

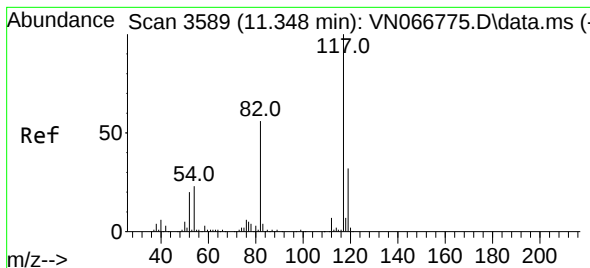
Tgt Ion: 43 Resp: 2189
Ion Ratio Lower Upper
43 100
58 182.8 32.5 48.7#



#62
4-Bromofluorobenzene
Concen: 35.92 ug/l
RT: 12.351 min Scan# 3963
Delta R.T. 0.008 min
Lab File: VN066843.D
Acq: 29 Apr 2021 4:30

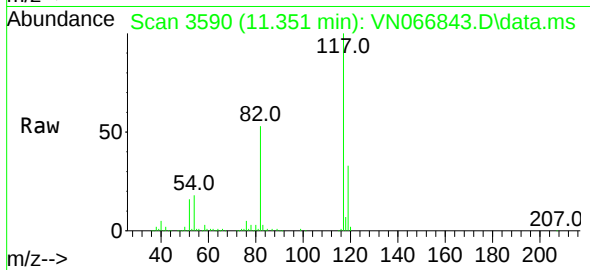
Tgt Ion: 95 Resp: 136171
Ion Ratio Lower Upper
95 100
174 88.2 0.0 169.0
176 82.8 0.0 162.4



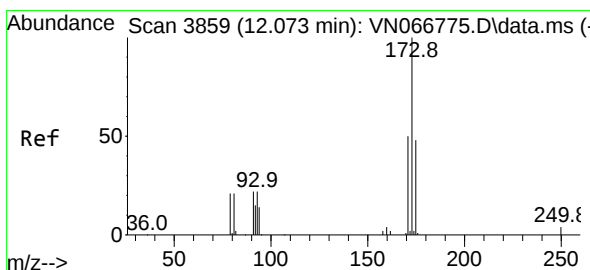
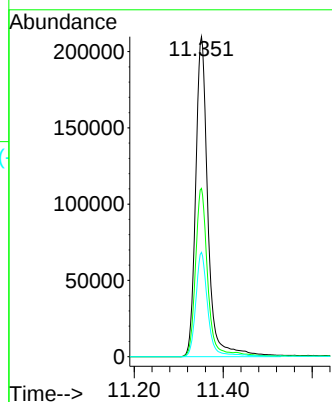
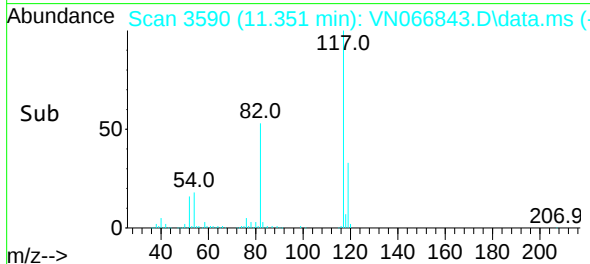


#63
Chlorobenzene-d5
Concen: 50.00 ug/l
RT: 11.351 min Scan# 3590
Delta R.T. 0.003 min
Lab File: VN066843.D
Acq: 29 Apr 2021 4:30

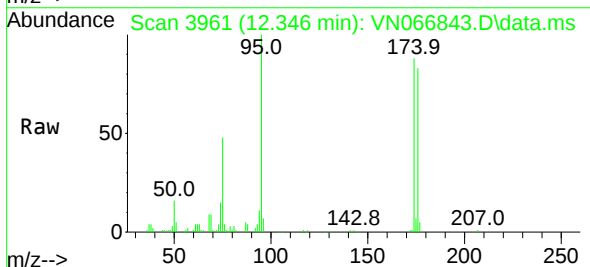
Instrument :
MSVOA_N
ClientSampled :



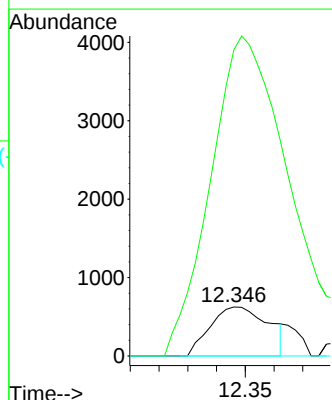
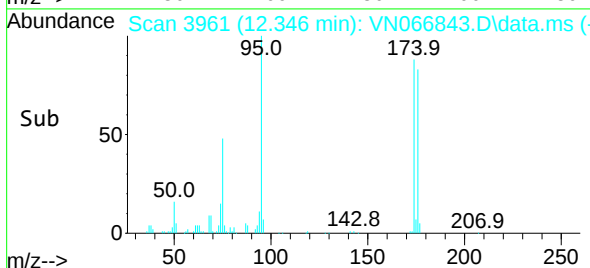
Tgt Ion:117 Resp: 401977
Ion Ratio Lower Upper
117 100
82 52.6 43.7 65.5
119 32.6 26.1 39.1

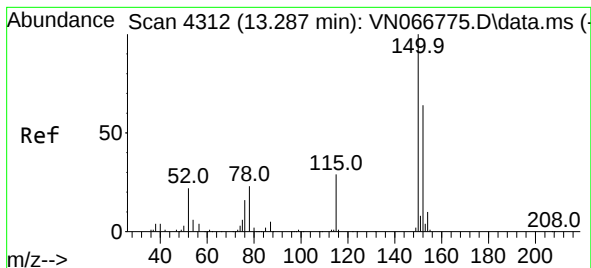


#71
Bromoform
Concen: 0.40 ug/l
RT: 12.346 min Scan# 3961
Delta R.T. 0.273 min
Lab File: VN066843.D
Acq: 29 Apr 2021 4:30



Tgt Ion:173 Resp: 880
Ion Ratio Lower Upper
173 100
175 697.3 23.8 71.2#
254 0.0 0.0 0.0





#72

1,4-Dichlorobenzene-d4

Concen: 50.00 ug/l

RT: 13.293 min Scan# 4314

Delta R.T. 0.005 min

Lab File: VN066843.D

Acq: 29 Apr 2021 4:30

Tgt Ion:152 Resp: 163748

Ion Ratio Lower Upper

152 100

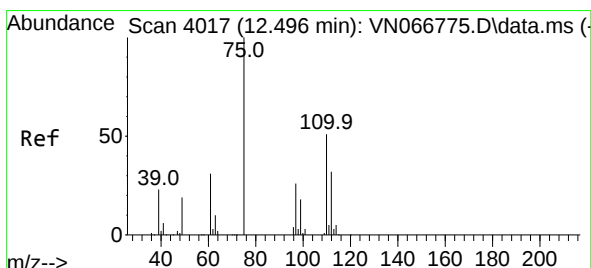
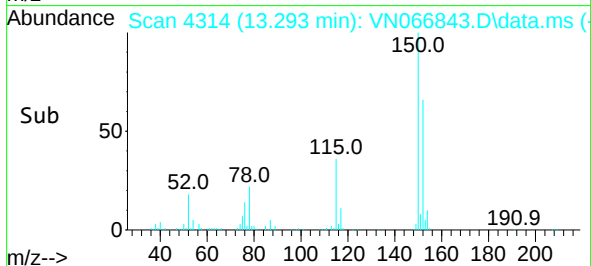
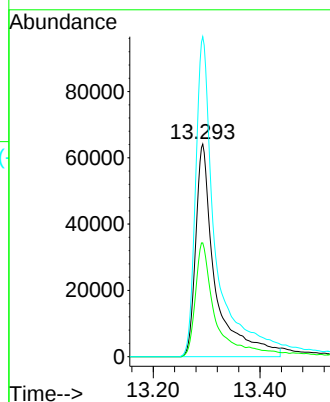
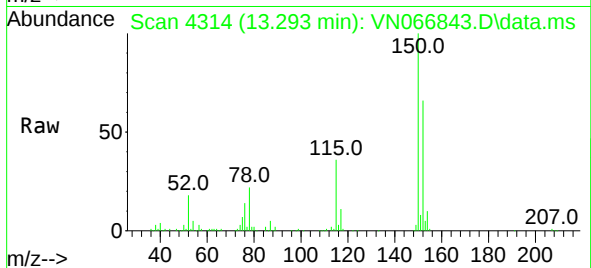
115 50.2 28.5 85.6

150 159.0 0.0 347.6

Instrument :

MSVOA_N

ClientSampled :



#76

1,2,3-Trichloropropane

Concen: 20.18 ug/l

RT: 12.349 min Scan# 3962

Delta R.T. -0.147 min

Lab File: VN066843.D

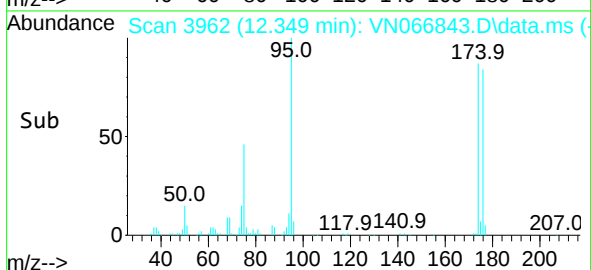
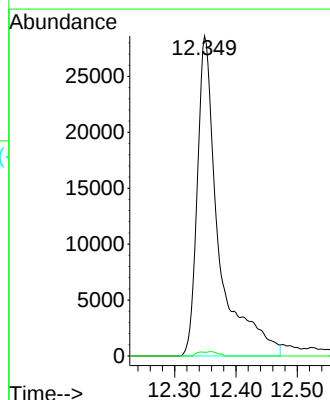
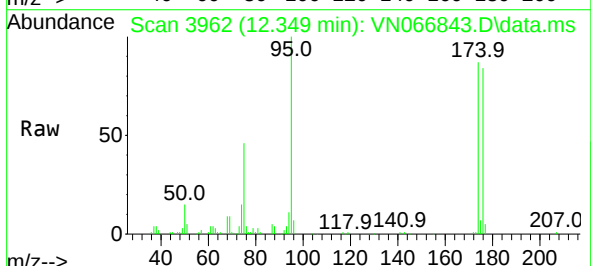
Acq: 29 Apr 2021 4:30

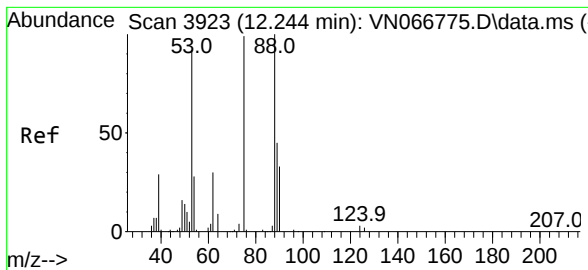
Tgt Ion: 75 Resp: 69644

Ion Ratio Lower Upper

75 100

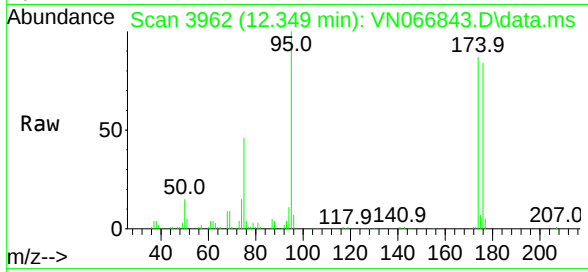
77 0.5 0.0 0.0#





#81
 trans-1,4-Dichloro-2-butene
 Concen: 55.48 ug/l
 RT: 12.349 min Scan# 3962
 Delta R.T. 0.105 min
 Lab File: VN066843.D
 Acq: 29 Apr 2021 4:30

Instrument :
 MSVOA_N
 ClientSampleId :



Tgt Ion: 75 Resp: 69644
 Ion Ratio Lower Upper
 75 100
 53 0.0 74.6 111.8#
 89 0.0 35.8 53.8#

