

Data Path : Z:\voasrv\HPCHEM1\MSVOA_N\Data\VN040821\
 Data File : VN066544.D
 Acq On : 8 Apr 2021 16:22
 Operator : JC/MD
 Sample : M1961-17
 Misc : 5.00mL/MSVOA_N/WATER
 ALS Vial : 16 Sample Multiplier: 1

Instrument :
 MSVOA_N
 ClientSampleId :

Quant Time: Apr 09 04:35:49 2021
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA_N\methods\82N040621W.M
 Quant Title : SW846 8260
 QLast Update : Tue Apr 06 15:38:34 2021
 Response via : Initial Calibration

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

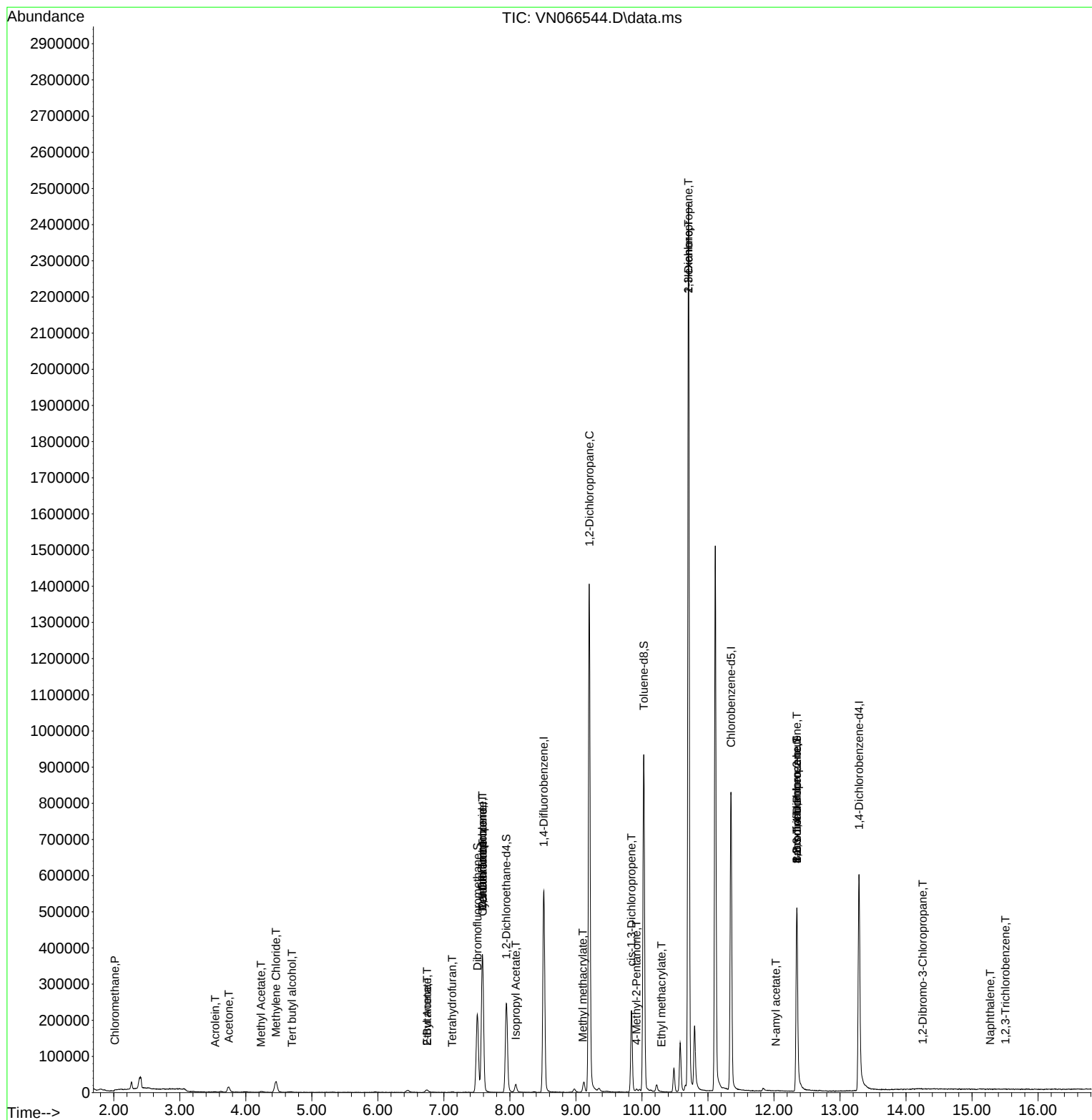
Internal Standards						
1) Pentafluorobenzene	7.587	168	325582	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	8.515	114	493284	50.00	ug/l	0.00
63) Chlorobenzene-d5	11.350	117	479908	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.289	152	194853	50.00	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	7.946	65	208671	48.67	ug/l	0.00
Spiked Amount 50.000	Range 78 - 117		Recovery =	97.34%		
35) Dibromofluoromethane	7.509	113	165628	49.26	ug/l	0.00
Spiked Amount 50.000	Range 75 - 124		Recovery =	98.52%		
50) Toluene-d8	10.028	98	629321	49.27	ug/l	0.00
Spiked Amount 50.000	Range 92 - 112		Recovery =	98.54%		
62) 4-Bromofluorobenzene	12.348	95	191560	46.24	ug/l	0.00
Spiked Amount 50.000	Range 83 - 123		Recovery =	92.48%		
Target Compounds						
					Qvalue	
3) Chloromethane	2.019	50	1030	0.21	ug/l #	71
11) Tert butyl alcohol	4.699	59	528	0.76	ug/l #	42
13) Acrolein	3.537	56	1409	7.37	ug/l #	73
16) Acetone	3.741	43	23265	12.95	ug/l	99
18) Methyl Acetate	4.232	43	4138	0.92	ug/l #	65
20) Methylene Chloride	4.460	84	21744	5.64	ug/l	94
25) 2-Butanone	6.748	43	8425	3.12	ug/l	94
29) Tetrahydrofuran	7.126	42	838	0.46	ug/l #	58
31) Cyclohexane	7.590	56	6696	1.14	ug/l #	7
36) 1,1-Dichloropropene	7.584	75	24141	5.04	ug/l #	48
37) Ethyl Acetate	6.748	43	8425	1.42	ug/l #	69
38) Carbon Tetrachloride	7.584	117	29734	6.12	ug/l #	17
43) Isopropyl Acetate	8.091	43	26203	2.85	ug/l	98
45) 1,2-Dichloropropane	9.204	63	1888	0.47	ug/l #	43
48) Methyl methacrylate	9.105	41	7072	1.73	ug/l #	12
51) 4-Methyl-2-Pentanone	9.918	43	4941	0.91	ug/l	100
54) cis-1,3-Dichloropropene	9.843	75	41149	6.73	ug/l #	60
56) Ethyl methacrylate	10.296	69	118	3.74	ug/l #	1
57) 1,3-Dichloropropane	10.706	76	23933	3.89	ug/l #	43
59) 2-Hexanone	10.706	43	344911	90.13	ug/l #	53
71) Bromoform	12.348	173	1948	0.64	ug/l #	1
74) N-amyl acetate	12.031	43	237	12.77	ug/l #	52
76) 1,2,3-Trichloropropane	12.348	75	96830	22.03	ug/l #	100
81) trans-1,4-Dichloro-2-b...	12.348	75	96830	61.31	ug/l #	12
92) 1,2-Dibromo-3-Chloropr...	14.254	75	130	0.46	ug/l #	1
95) Naphthalene	15.274	128	231	1.99	ug/l #	69
96) 1,2,3-Trichlorobenzene	15.507	180	24	1.62	ug/l #	12

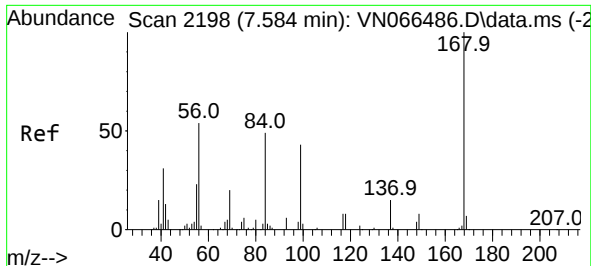
(#) = qualifier out of range (m) = manual integration (+) = signals summed

Data Path : Z:\voasrv\HPCHEM1\MSVOA_N\Data\VN040821\
Data File : VN066544.D
Acq On : 8 Apr 2021 16:22
Operator : JC/MD
Sample : M1961-17
Misc : 5.00mL/MSVOA_N/WATER
ALS Vial : 16 Sample Multiplier: 1

Instrument :
MSVOA_N
ClientSampleId :

Quant Time: Apr 09 04:35:49 2021
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_N\methods\82N040621W.M
Quant Title : SW846 8260
QLast Update : Tue Apr 06 15:38:34 2021
Response via : Initial Calibration

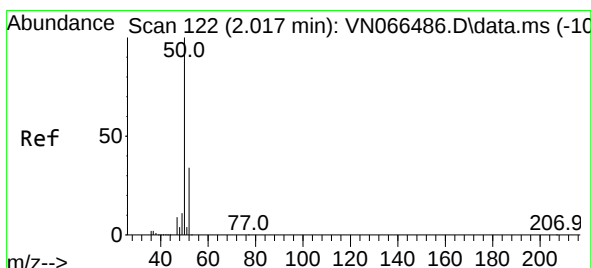
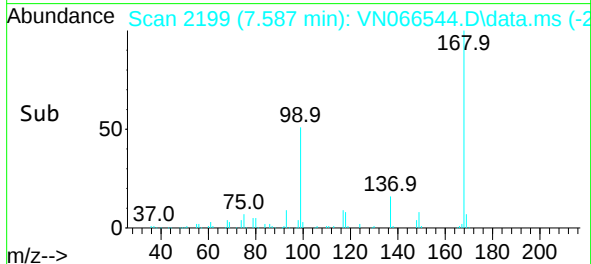
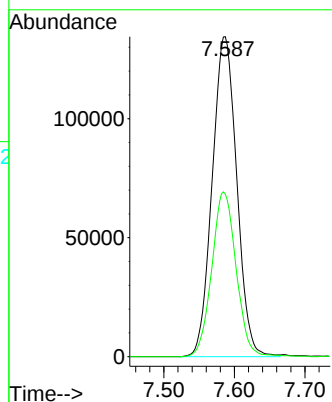
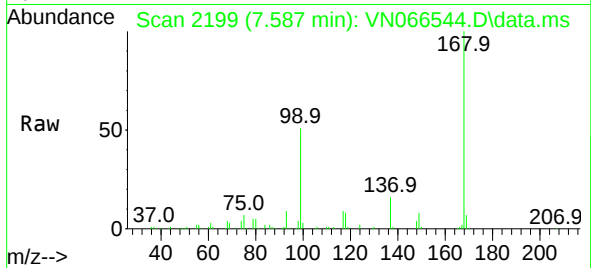




#1
Pentafluorobenzene
Concen: 50.00 ug/l
RT: 7.587 min Scan# 2199
Delta R.T. 0.003 min
Lab File: VN066544.D
Acq: 8 Apr 2021 16:22

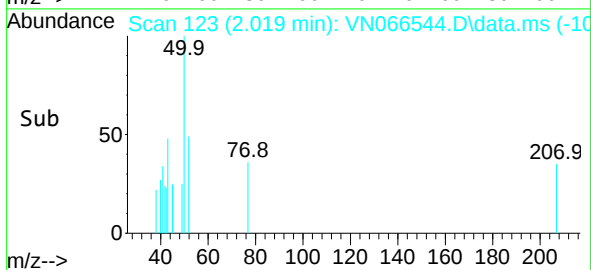
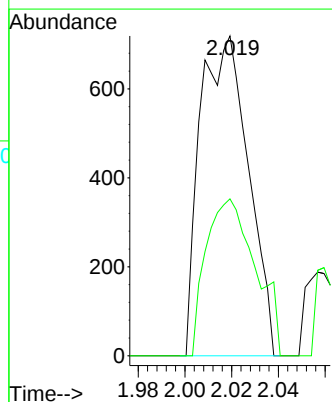
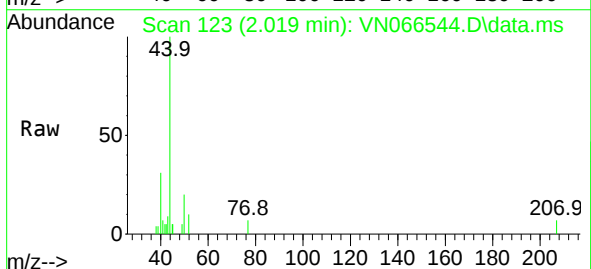
Instrument :
MSVOA_N
ClientSampled :

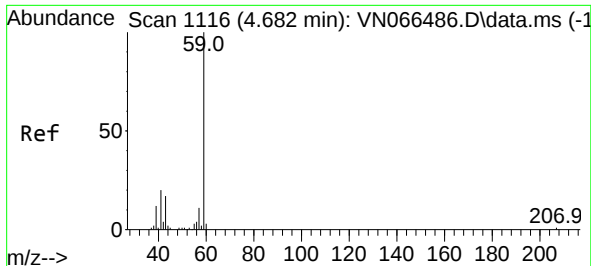
Tgt Ion:168 Resp: 325582
Ion Ratio Lower Upper
168 100
99 50.8 41.1 61.7



#3
Chloromethane
Concen: 0.21 ug/l
RT: 2.019 min Scan# 123
Delta R.T. 0.002 min
Lab File: VN066544.D
Acq: 8 Apr 2021 16:22

Tgt Ion: 50 Resp: 1030
Ion Ratio Lower Upper
50 100
52 49.1 26.2 39.2#

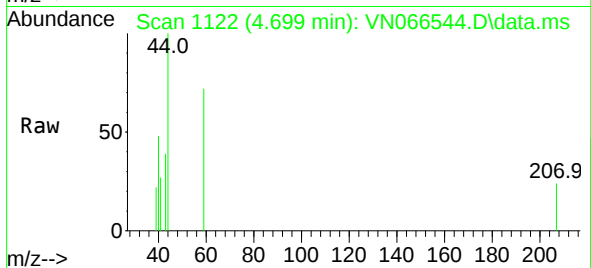




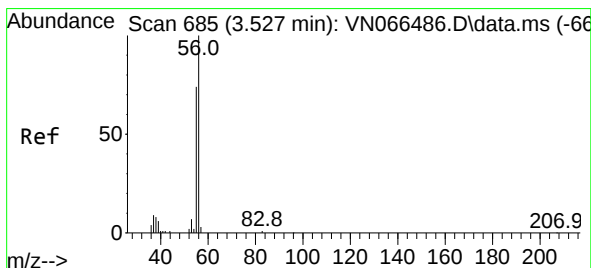
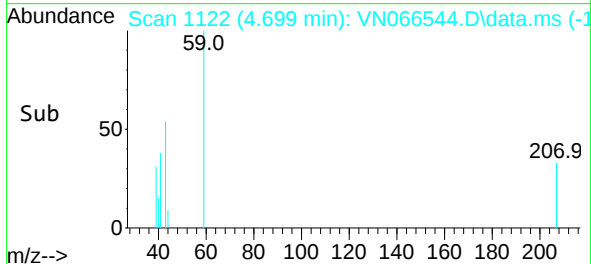
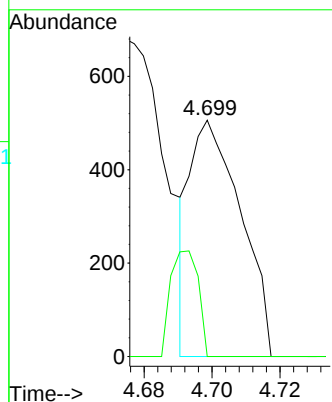
#11

Tert butyl alcohol
Concen: 0.76 ug/l
RT: 4.699 min Scan# 1122
Delta R.T. 0.017 min
Lab File: VN066544.D
Acq: 8 Apr 2021 16:22

Instrument :
MSVOA_N
ClientSampled :



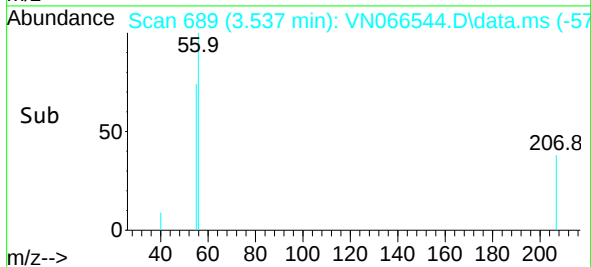
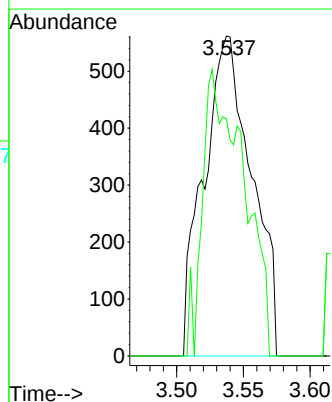
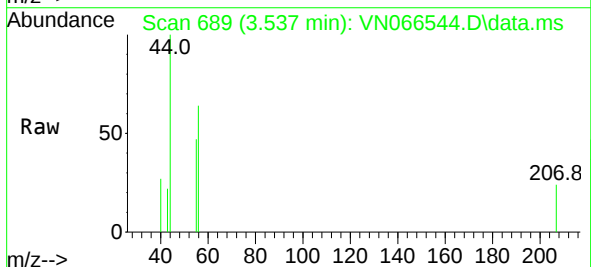
Tgt Ion: 59 Resp: 528
Ion Ratio Lower Upper
59 100
57 24.2 4.1 6.1#

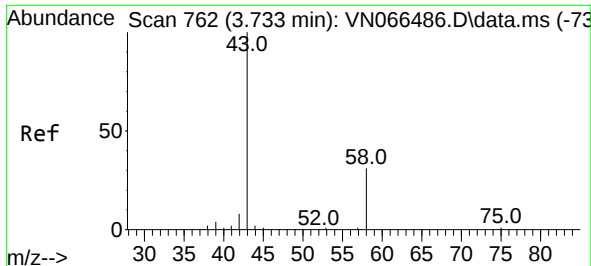


#13

Acrolein
Concen: 7.37 ug/l
RT: 3.537 min Scan# 689
Delta R.T. 0.010 min
Lab File: VN066544.D
Acq: 8 Apr 2021 16:22

Tgt Ion: 56 Resp: 1409
Ion Ratio Lower Upper
56 100
55 49.5 57.9 86.9#

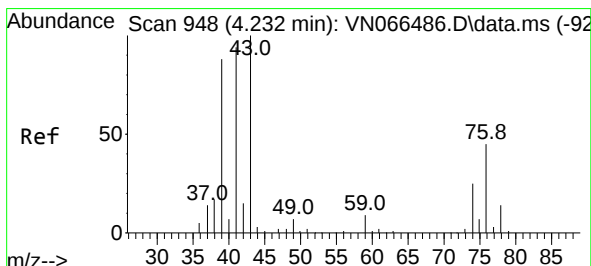
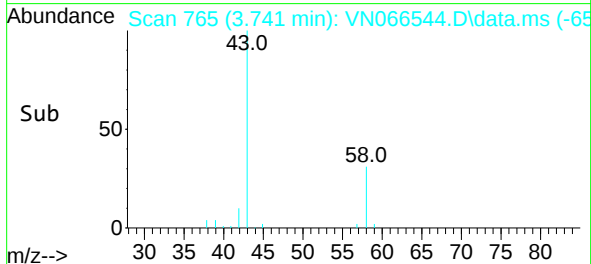
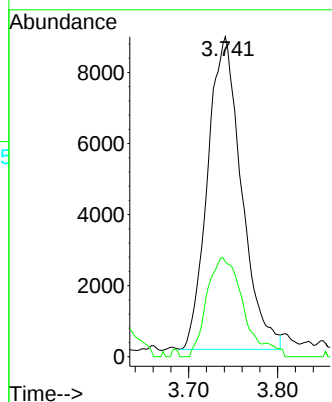
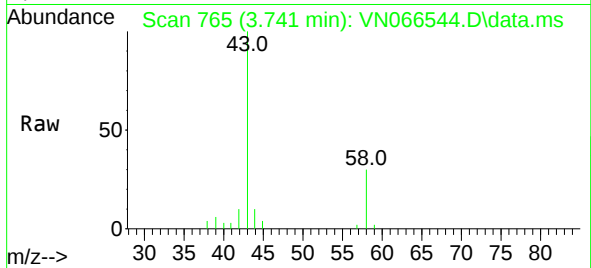




#16
Acetone
Concen: 12.95 ug/l
RT: 3.741 min Scan# 765
Delta R.T. 0.008 min
Lab File: VN066544.D
Acq: 8 Apr 2021 16:22

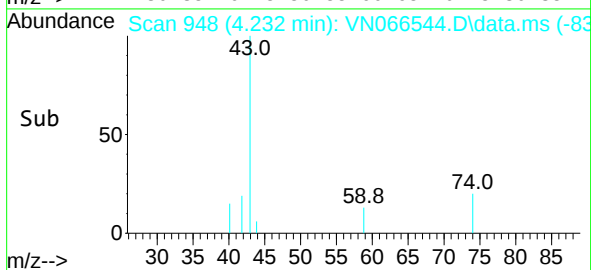
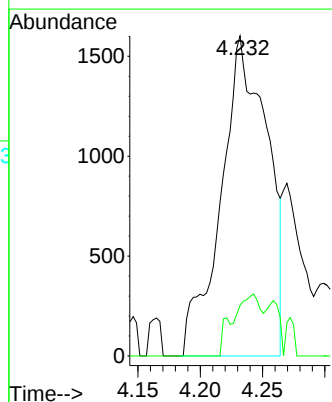
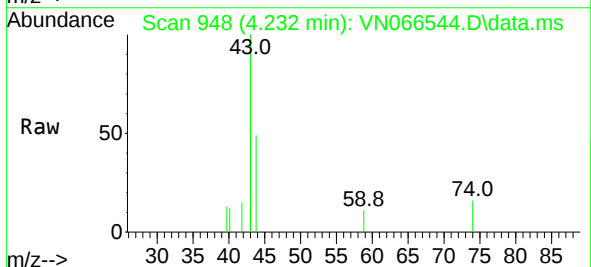
Instrument :
MSVOA_N
ClientSampled :

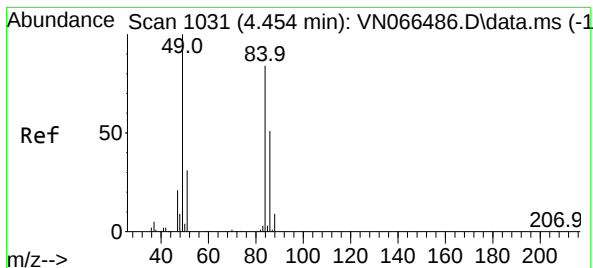
Tgt Ion: 43 Resp: 23265
Ion Ratio Lower Upper
43 100
58 30.4 23.8 35.8



#18
Methyl Acetate
Concen: 0.92 ug/l
RT: 4.232 min Scan# 948
Delta R.T. -0.000 min
Lab File: VN066544.D
Acq: 8 Apr 2021 16:22

Tgt Ion: 43 Resp: 4138
Ion Ratio Lower Upper
43 100
74 5.5 17.6 26.4#





#20

Methylene Chloride

Concen: 5.64 ug/l

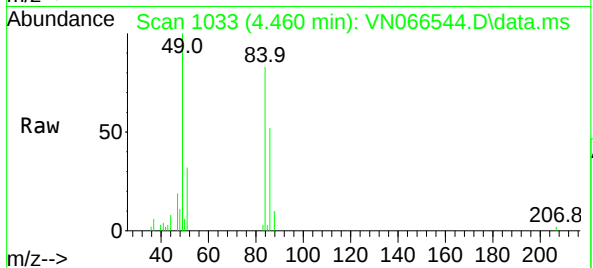
RT: 4.460 min Scan# 1033

Delta R.T. 0.006 min

Lab File: VN066544.D

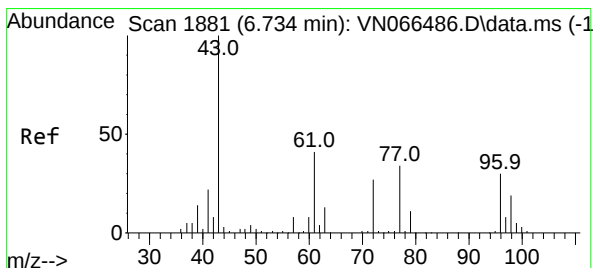
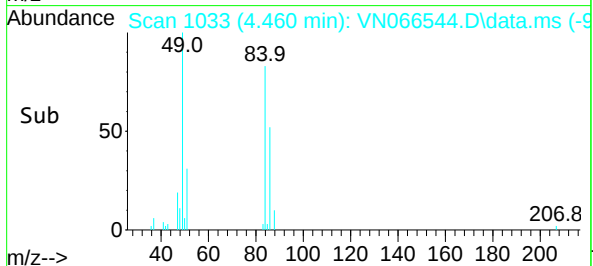
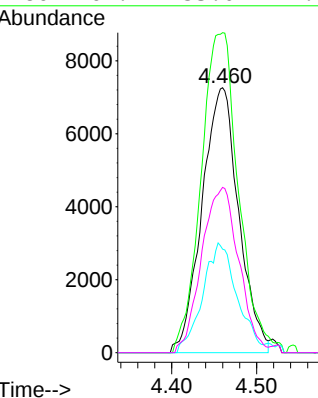
Acq: 8 Apr 2021 16:22

Instrument :
MSVOA_N
ClientSampled :



Tgt Ion: 84 Resp: 21744

Ion	Ratio	Lower	Upper
84	100		
49	120.8	105.0	157.6
51	39.1	31.6	47.4
86	62.4	53.0	79.6



#25

2-Butanone

Concen: 3.12 ug/l

RT: 6.748 min Scan# 1886

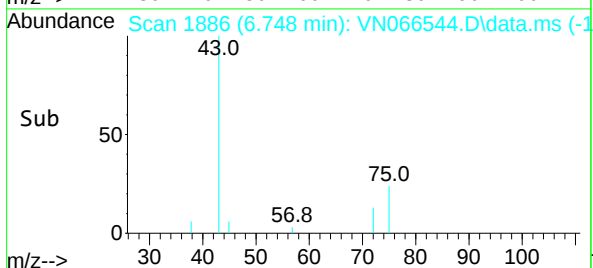
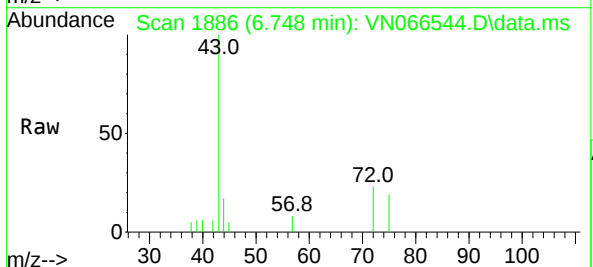
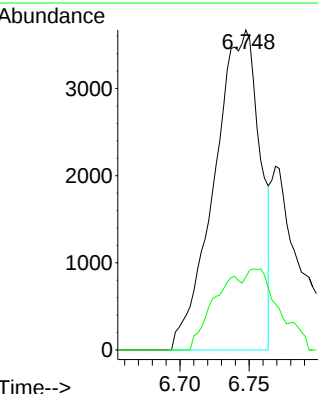
Delta R.T. 0.014 min

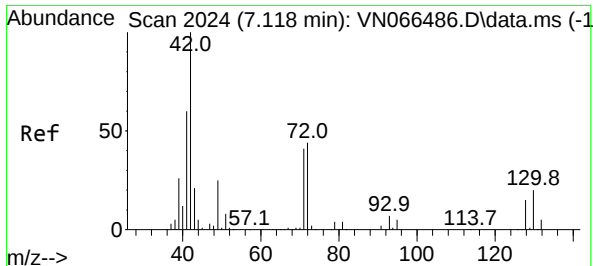
Lab File: VN066544.D

Acq: 8 Apr 2021 16:22

Tgt Ion: 43 Resp: 8425

Ion	Ratio	Lower	Upper
43	100		
72	22.8	20.7	31.1

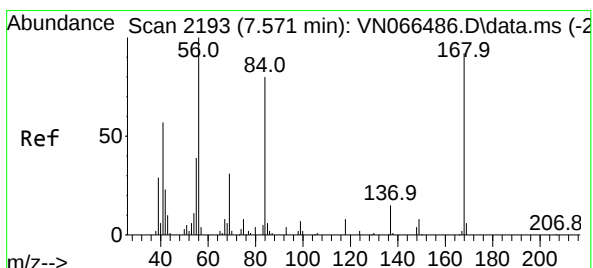
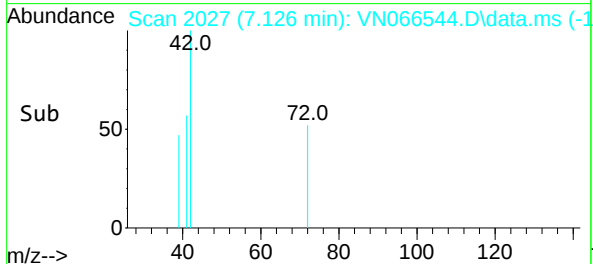
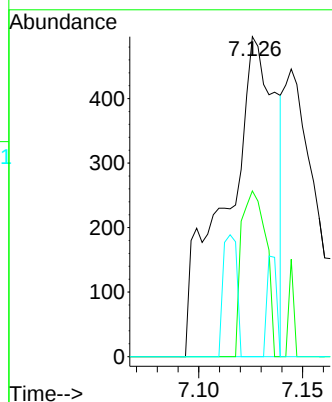
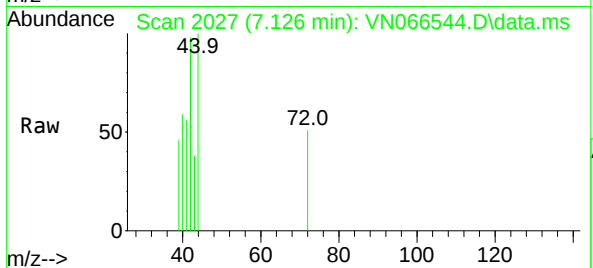




#29
Tetrahydrofuran
Concen: 0.46 ug/l
RT: 7.126 min Scan# 2027
Delta R.T. 0.008 min
Lab File: VN066544.D
Acq: 8 Apr 2021 16:22

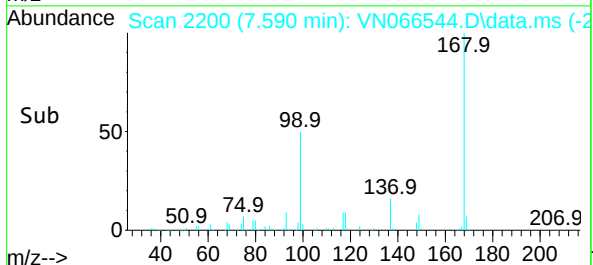
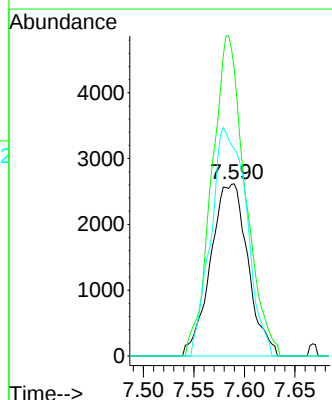
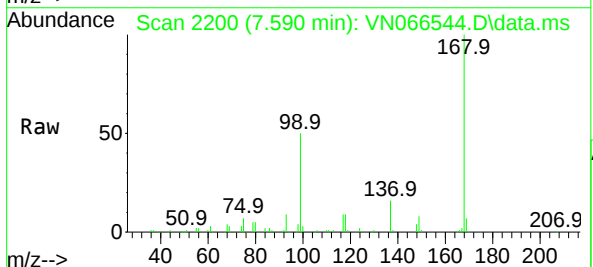
Instrument :
MSVOA_N
ClientSampled :

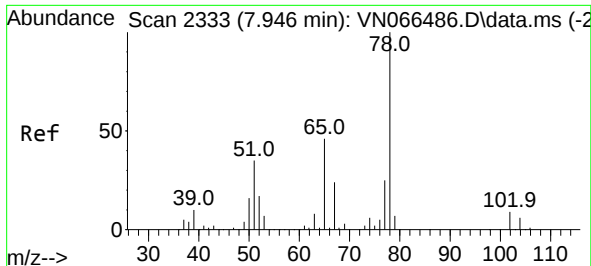
Tgt Ion: 42 Resp: 838
Ion Ratio Lower Upper
42 100
72 25.1 35.2 52.8#
71 6.0 33.1 49.7#



#31
Cyclohexane
Concen: 1.14 ug/l
RT: 7.590 min Scan# 2200
Delta R.T. 0.019 min
Lab File: VN066544.D
Acq: 8 Apr 2021 16:22

Tgt Ion: 56 Resp: 6696
Ion Ratio Lower Upper
56 100
69 167.2 26.6 40.0#
84 120.4 68.7 103.1#

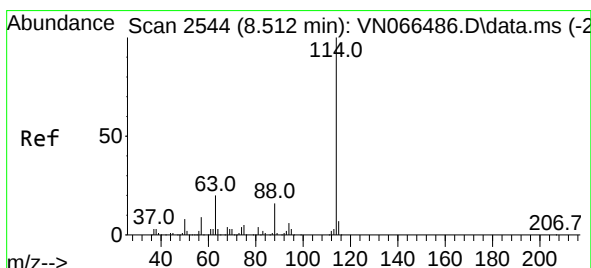
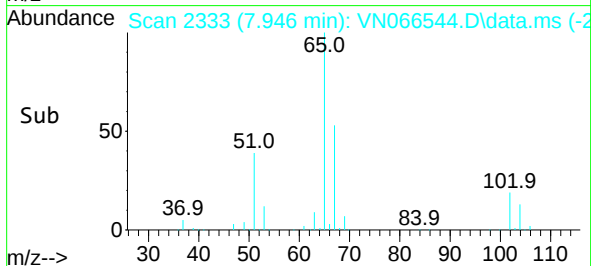
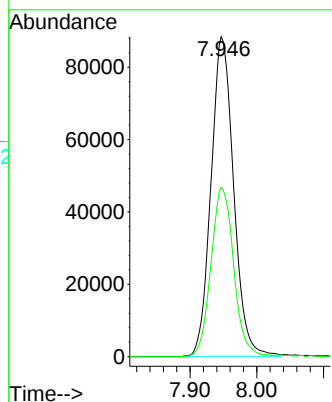
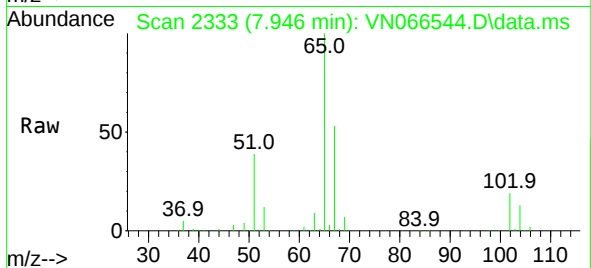




#33
1,2-Dichloroethane-d4
Concen: 48.67 ug/l
RT: 7.946 min Scan# 2333
Delta R.T. 0.000 min
Lab File: VN066544.D
Acq: 8 Apr 2021 16:22

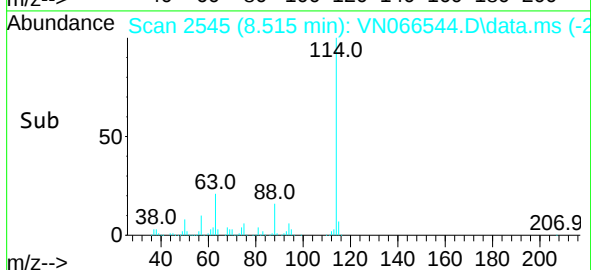
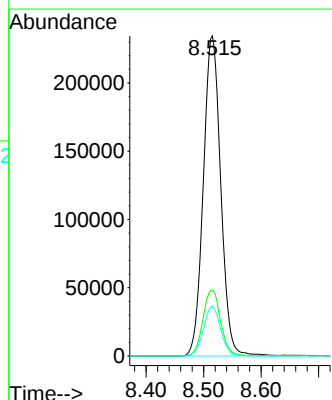
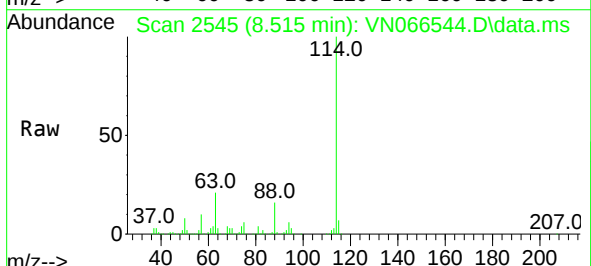
Instrument :
MSVOA_N
ClientSampled :

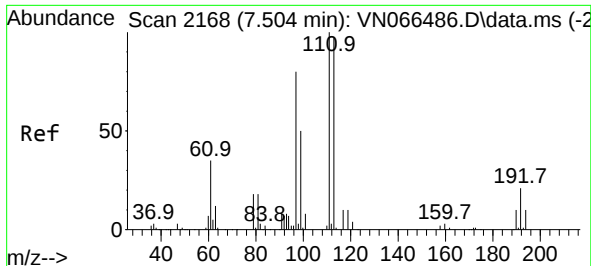
Tgt Ion: 65 Resp: 208671
Ion Ratio Lower Upper
65 100
67 53.0 0.0 105.2



#34
1,4-Difluorobenzene
Concen: 50.00 ug/l
RT: 8.515 min Scan# 2545
Delta R.T. 0.003 min
Lab File: VN066544.D
Acq: 8 Apr 2021 16:22

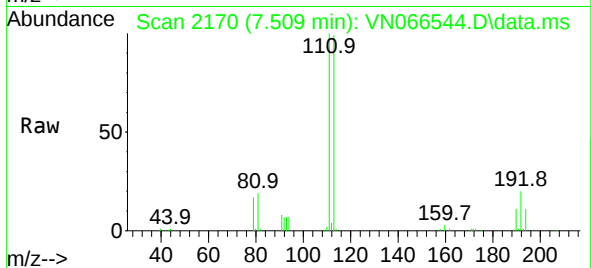
Tgt Ion: 114 Resp: 493284
Ion Ratio Lower Upper
114 100
63 20.6 0.0 42.0
88 15.5 0.0 31.0



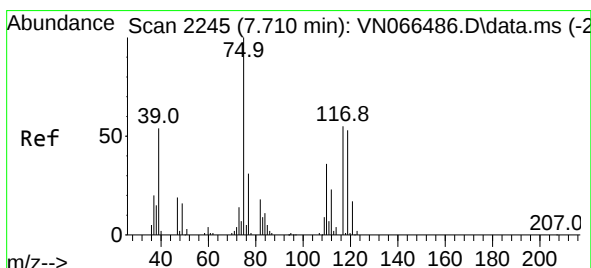
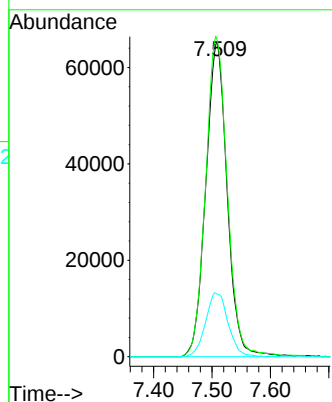
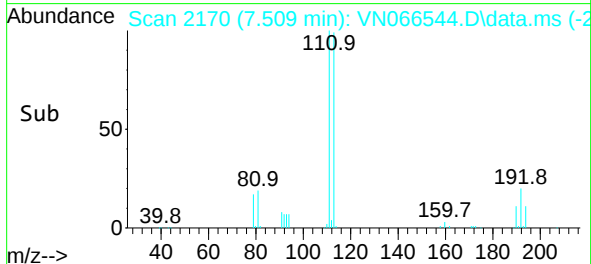


#35
Dibromofluoromethane
Concen: 49.26 ug/l
RT: 7.509 min Scan# 2170
Delta R.T. 0.005 min
Lab File: VN066544.D
Acq: 8 Apr 2021 16:22

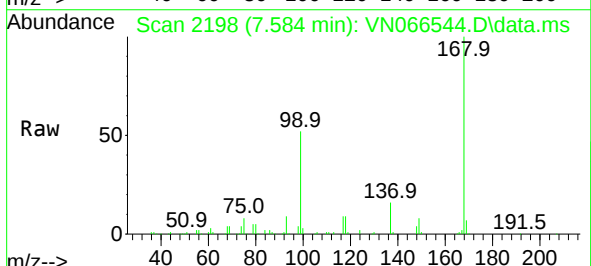
Instrument :
MSVOA_N
ClientSampled :



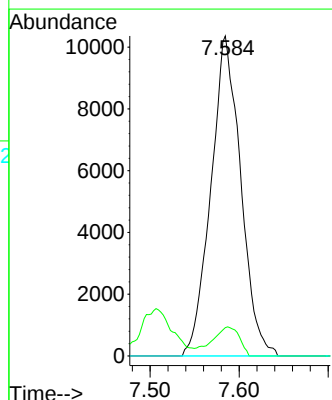
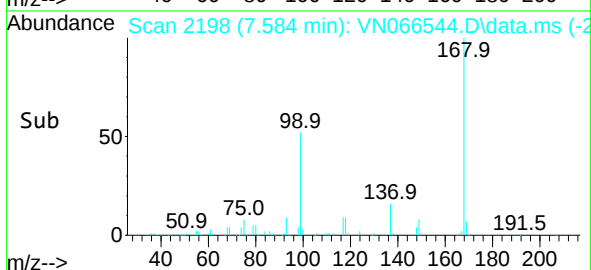
Tgt Ion: 113 Resp: 165628
Ion Ratio Lower Upper
113 100
111 103.8 81.8 122.8
192 21.4 17.1 25.7

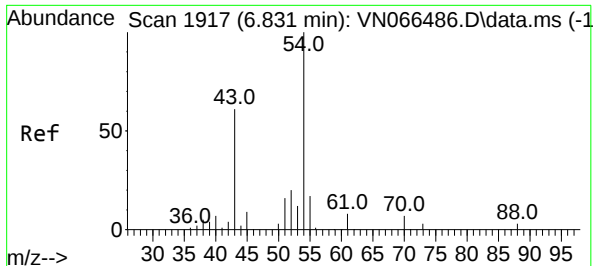


#36
1,1-Dichloropropene
Concen: 5.04 ug/l
RT: 7.584 min Scan# 2198
Delta R.T. -0.126 min
Lab File: VN066544.D
Acq: 8 Apr 2021 16:22



Tgt Ion: 75 Resp: 24141
Ion Ratio Lower Upper
75 100
110 8.2 18.1 54.3#
77 0.0 25.0 37.4#





#37

Ethyl Acetate

Concen: 1.42 ug/l

RT: 6.748 min Scan# 1886

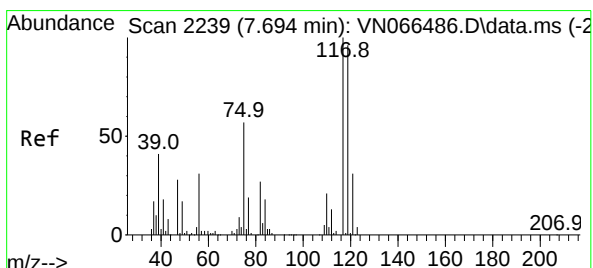
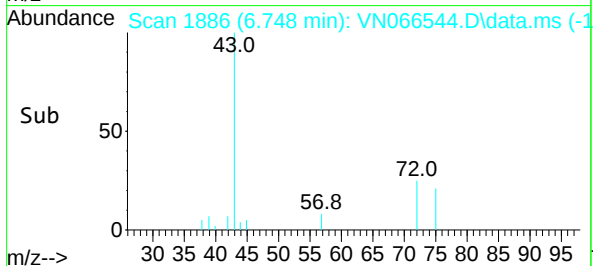
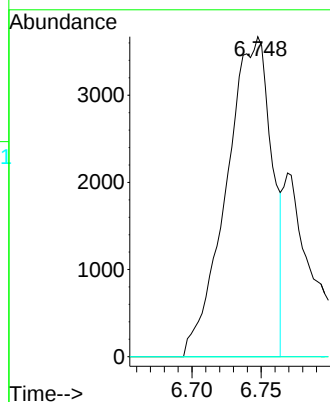
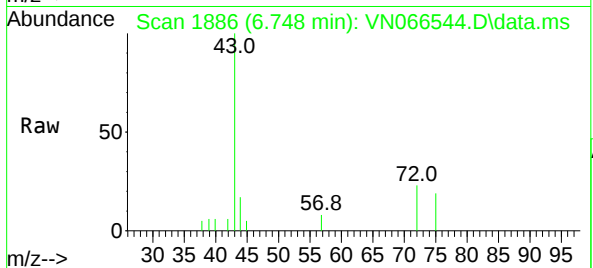
Delta R.T. -0.083 min

Lab File: VN066544.D

Acq: 8 Apr 2021 16:22

Tgt Ion:	43	Resp:	8425
Ion	Ratio	Lower	Upper
43	100		
61	0.0	11.1	16.7#
70	0.0	8.0	12.0#

Instrument :
MSVOA_N
ClientSampleId :



#38

Carbon Tetrachloride

Concen: 6.12 ug/l

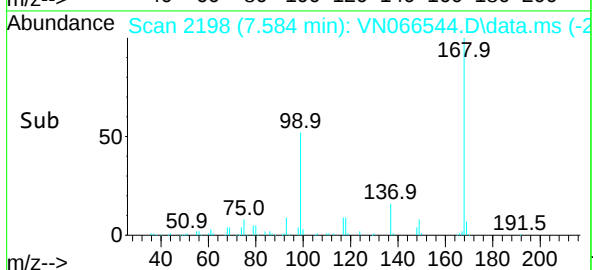
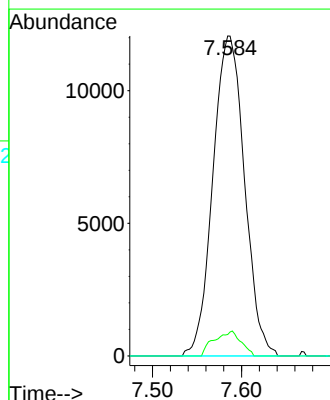
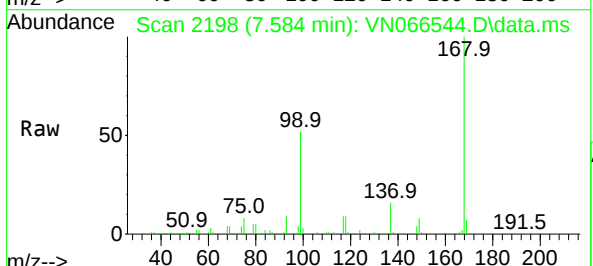
RT: 7.584 min Scan# 2198

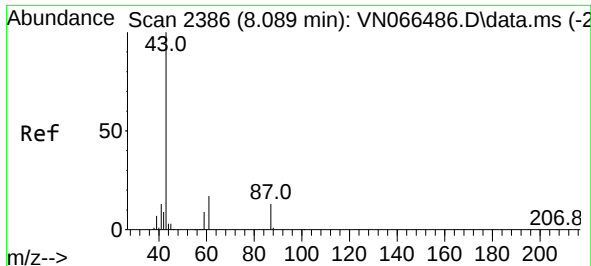
Delta R.T. -0.110 min

Lab File: VN066544.D

Acq: 8 Apr 2021 16:22

Tgt Ion:	117	Resp:	29734
Ion	Ratio	Lower	Upper
117	100		
119	6.7	77.2	115.8#
121	0.0	24.2	36.4#





#43

Isopropyl Acetate

Concen: 2.85 ug/l

RT: 8.091 min Scan# 2387

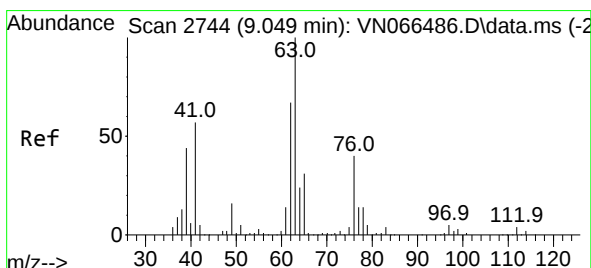
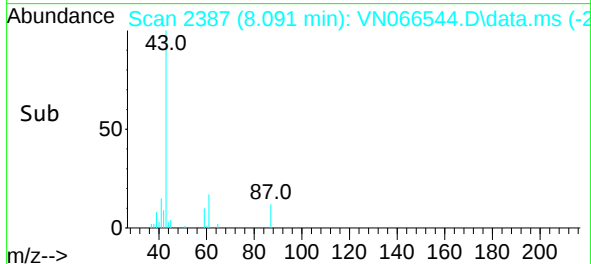
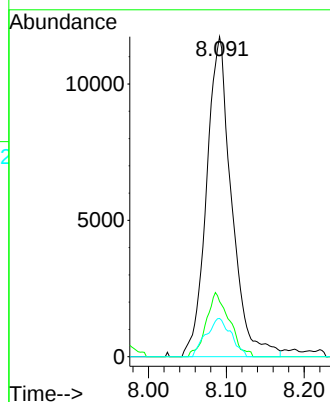
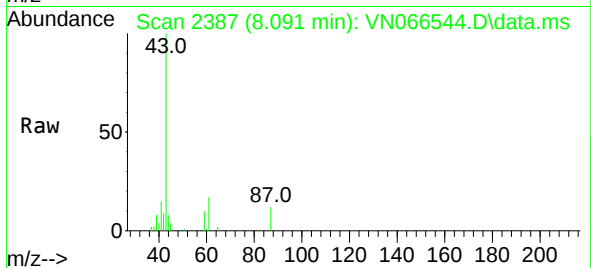
Delta R.T. 0.002 min

Lab File: VN066544.D

Acq: 8 Apr 2021 16:22

Tgt Ion:	43	Resp:	26203
Ion	Ratio	Lower	Upper
43	100		
61	18.5	15.5	23.3
87	11.9	10.5	15.7

Instrument :
MSVOA_N
ClientSampled :



#45

1,2-Dichloropropane

Concen: 0.47 ug/l

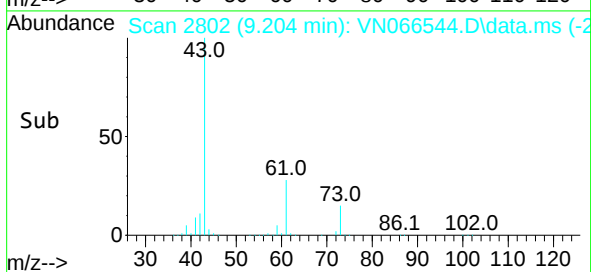
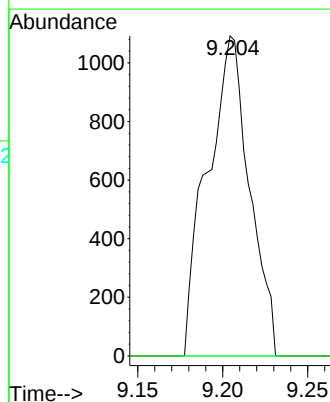
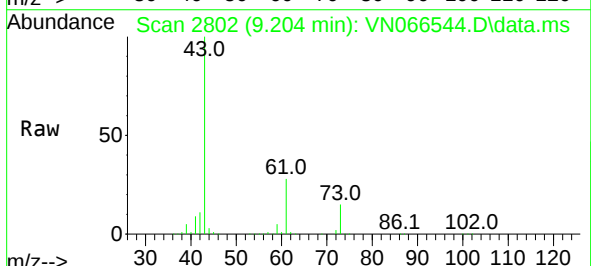
RT: 9.204 min Scan# 2802

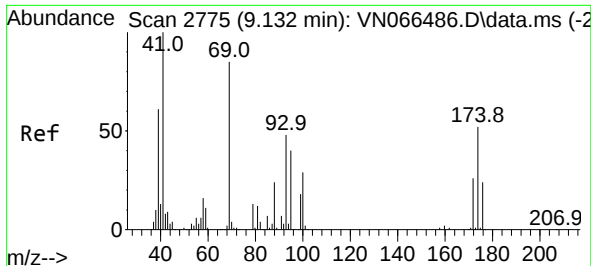
Delta R.T. 0.155 min

Lab File: VN066544.D

Acq: 8 Apr 2021 16:22

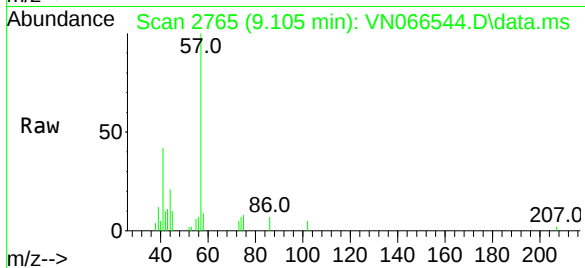
Tgt Ion:	63	Resp:	1888
Ion	Ratio	Lower	Upper
63	100		
65	0.0	25.5	38.3#



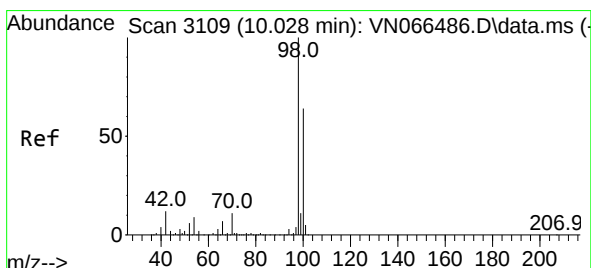
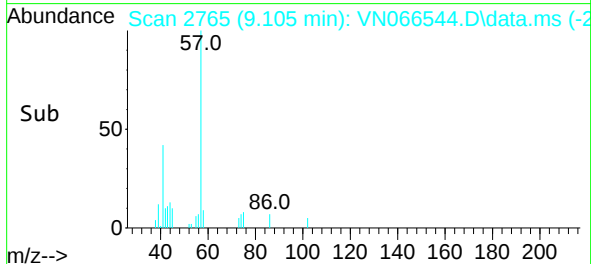
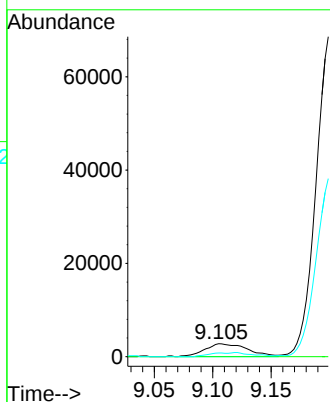


#48
Methyl methacrylate
Concen: 1.73 ug/l
RT: 9.105 min Scan# 2765
Delta R.T. -0.027 min
Lab File: VN066544.D
Acq: 8 Apr 2021 16:22

Instrument :
MSVOA_N
ClientSampled :

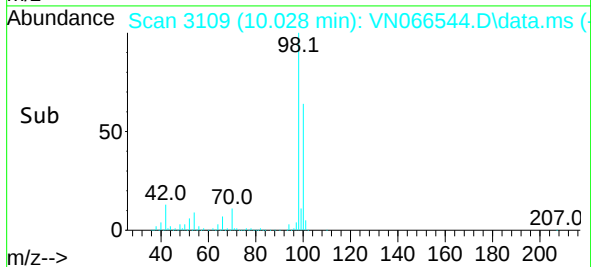
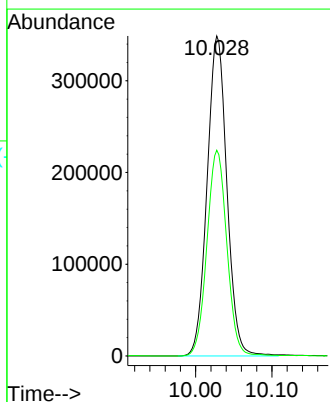
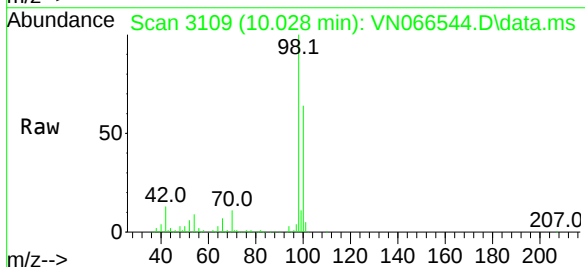


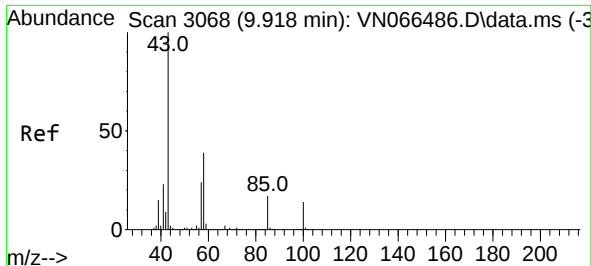
Tgt Ion: 41 Resp: 7072
Ion Ratio Lower Upper
41 100
69 0.0 66.2 99.4#
39 0.0 51.5 77.3#



#50
Toluene-d8
Concen: 49.27 ug/l
RT: 10.028 min Scan# 3109
Delta R.T. -0.000 min
Lab File: VN066544.D
Acq: 8 Apr 2021 16:22

Tgt Ion: 98 Resp: 629321
Ion Ratio Lower Upper
98 100
100 64.6 50.5 75.7

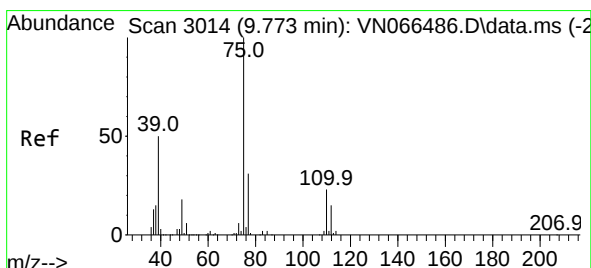
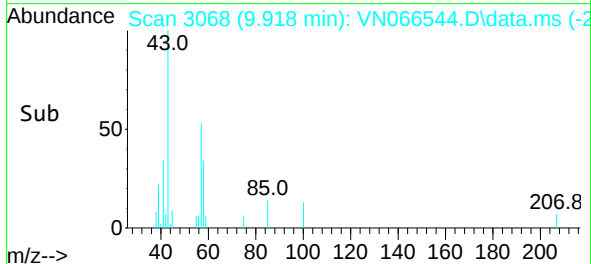
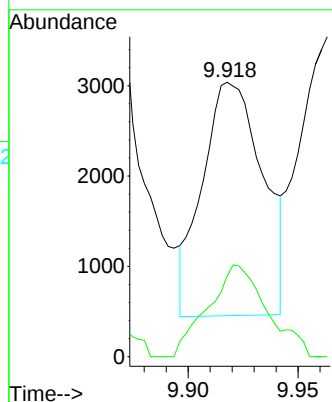
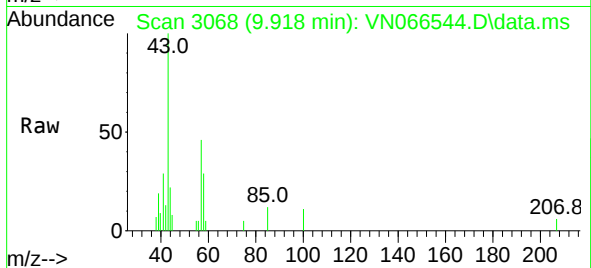




#51
4-Methyl-2-Pentanone
Concen: 0.91 ug/l
RT: 9.918 min Scan# 3068
Delta R.T. -0.000 min
Lab File: VN066544.D
Acq: 8 Apr 2021 16:22

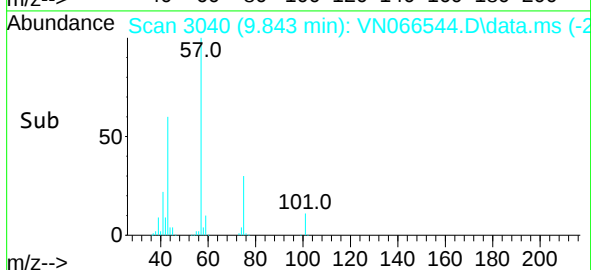
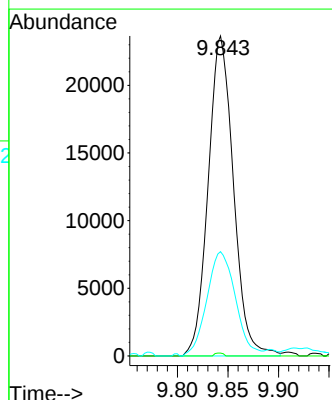
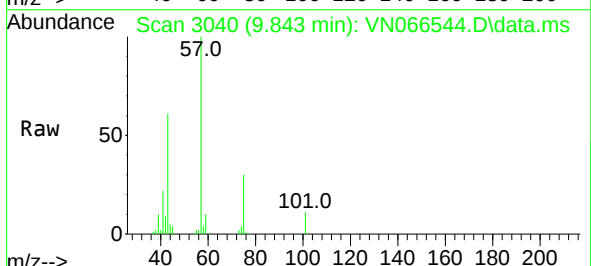
Instrument :
MSVOA_N
ClientSampleId :

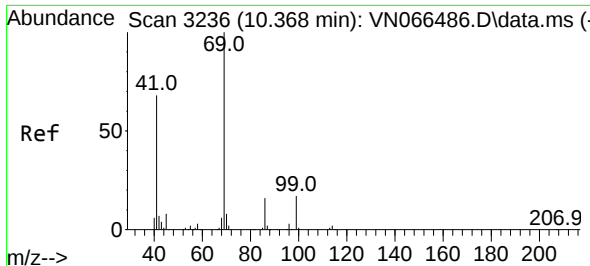
Tgt Ion: 43 Resp: 4941
Ion Ratio Lower Upper
43 100
58 38.3 30.8 46.2



#54
cis-1,3-Dichloropropene
Concen: 6.73 ug/l
RT: 9.843 min Scan# 3040
Delta R.T. 0.070 min
Lab File: VN066544.D
Acq: 8 Apr 2021 16:22

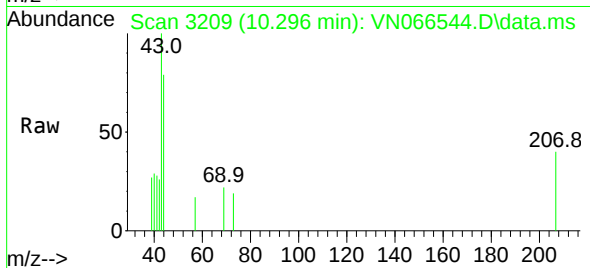
Tgt Ion: 75 Resp: 41149
Ion Ratio Lower Upper
75 100
77 0.9 25.4 38.2#
39 32.6 44.2 66.4#



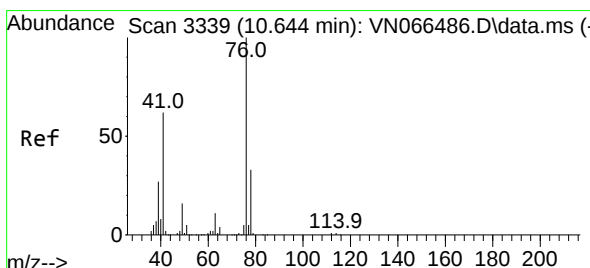
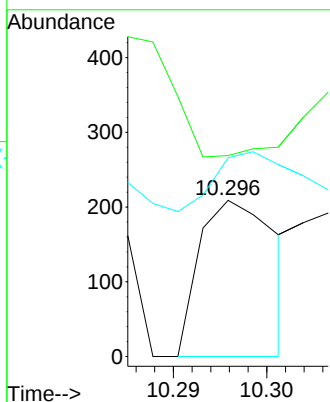
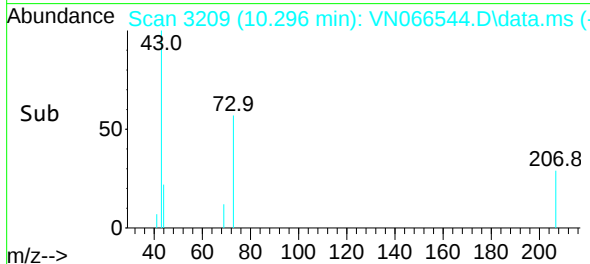


#56
Ethyl methacrylate
Concen: 3.74 ug/l
RT: 10.296 min Scan# 3209
Delta R.T. -0.072 min
Lab File: VN066544.D
Acq: 8 Apr 2021 16:22

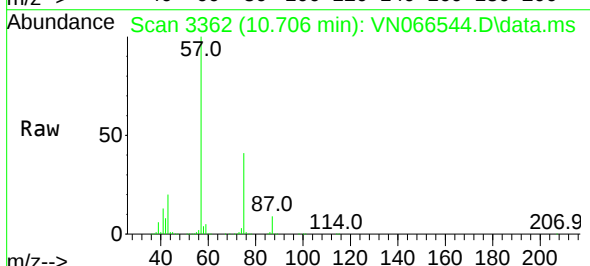
Instrument :
MSVOA_N
ClientSampleId :



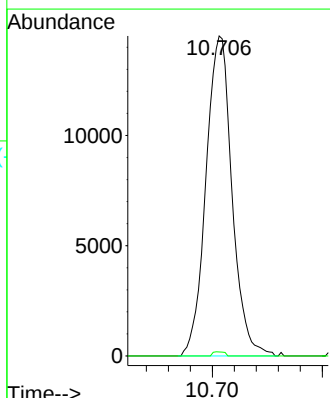
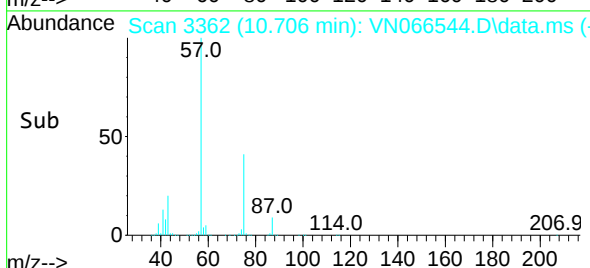
Tgt Ion: 69 Resp: 118
Ion Ratio Lower Upper
69 100
41 0.0 55.3 82.9#
39 225.4 33.8 50.6#

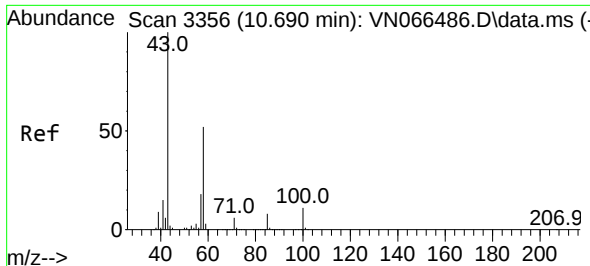


#57
1,3-Dichloropropane
Concen: 3.89 ug/l
RT: 10.706 min Scan# 3362
Delta R.T. 0.062 min
Lab File: VN066544.D
Acq: 8 Apr 2021 16:22



Tgt Ion: 76 Resp: 23933
Ion Ratio Lower Upper
76 100
78 0.6 25.9 38.9#

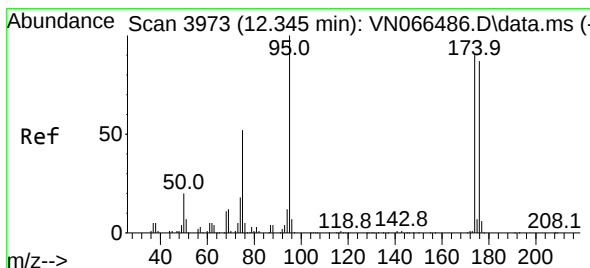
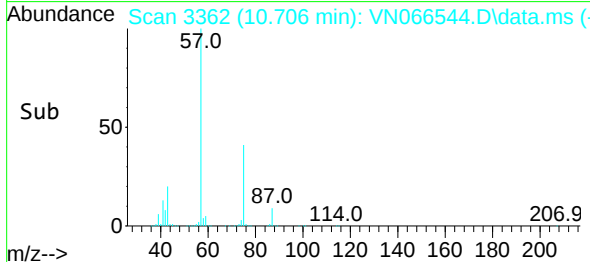
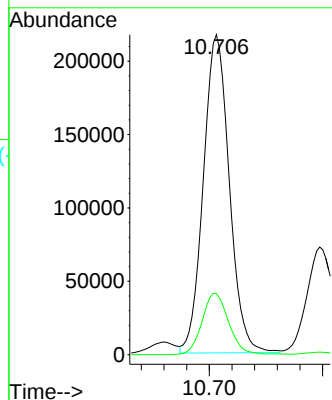
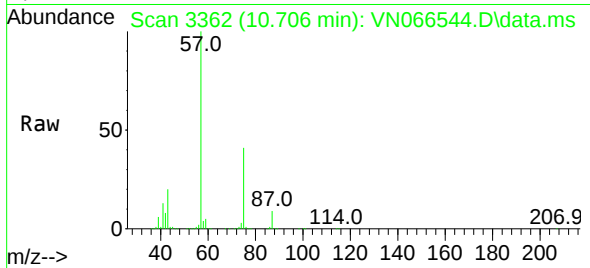




#59
2-Hexanone
Concen: 90.13 ug/l
RT: 10.706 min Scan# 3362
Delta R.T. 0.016 min
Lab File: VN066544.D
Acq: 8 Apr 2021 16:22

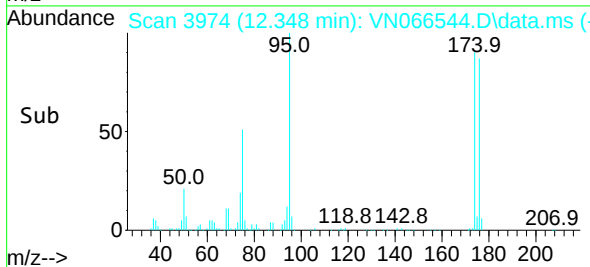
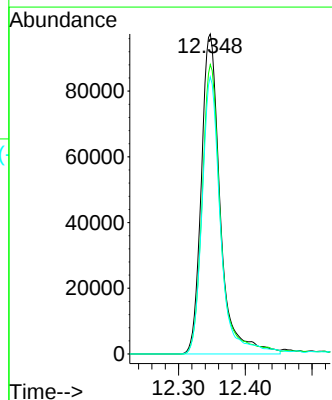
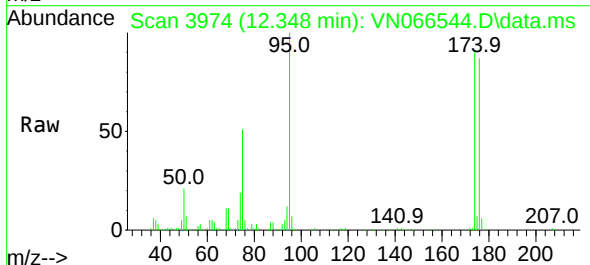
Instrument :
MSVOA_N
ClientSampled :

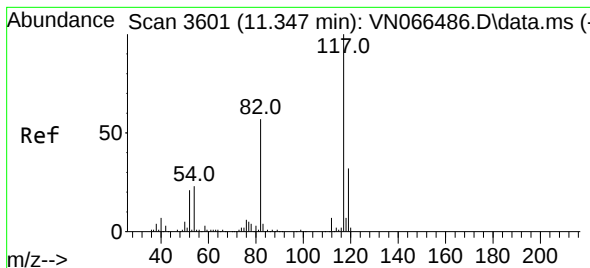
Tgt Ion: 43 Resp: 344911
Ion Ratio Lower Upper
43 100
58 19.8 26.6 79.8#



#62
4-Bromofluorobenzene
Concen: 46.24 ug/l
RT: 12.348 min Scan# 3974
Delta R.T. 0.003 min
Lab File: VN066544.D
Acq: 8 Apr 2021 16:22

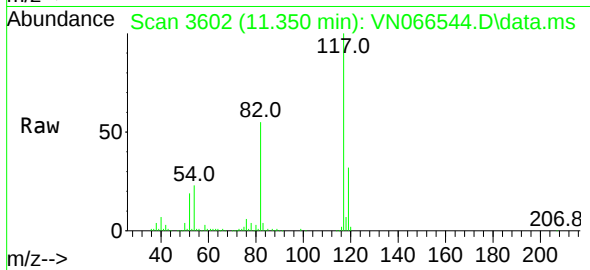
Tgt Ion: 95 Resp: 191560
Ion Ratio Lower Upper
95 100
174 87.5 0.0 172.2
176 84.8 0.0 167.8



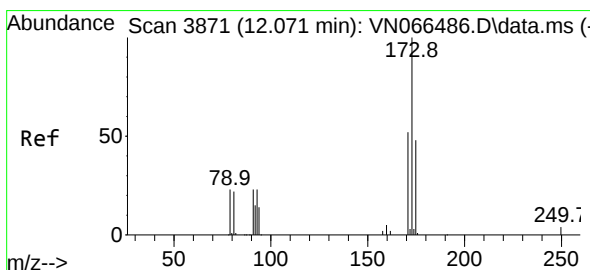
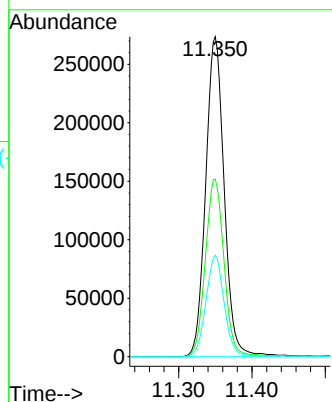
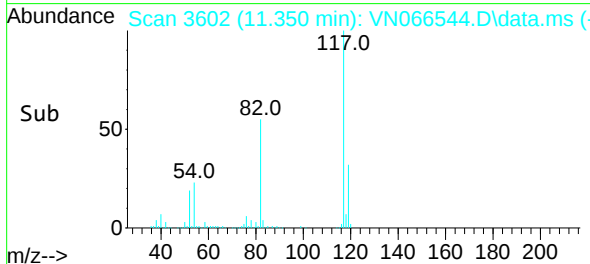


#63
Chlorobenzene-d5
Concen: 50.00 ug/l
RT: 11.350 min Scan# 3602
Delta R.T. 0.003 min
Lab File: VN066544.D
Acq: 8 Apr 2021 16:22

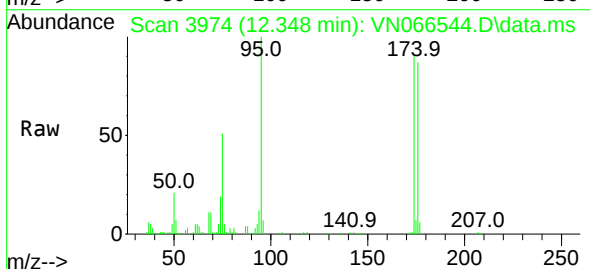
Instrument :
MSVOA_N
ClientSampled :



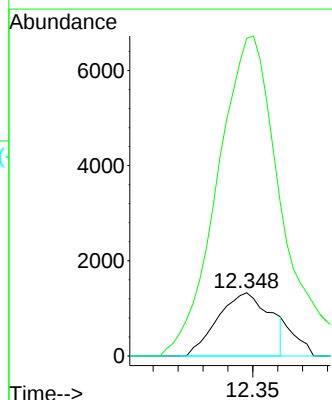
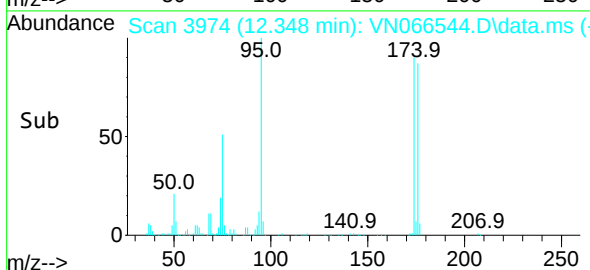
Tgt Ion:117 Resp: 479908
Ion Ratio Lower Upper
117 100
82 55.4 44.2 66.4
119 31.7 25.8 38.6

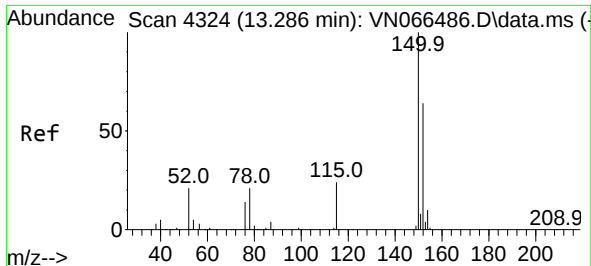


#71
Bromoform
Concen: 0.64 ug/l
RT: 12.348 min Scan# 3974
Delta R.T. 0.277 min
Lab File: VN066544.D
Acq: 8 Apr 2021 16:22



Tgt Ion:173 Resp: 1948
Ion Ratio Lower Upper
173 100
175 522.9 24.3 72.8#
254 0.0 0.0 0.0

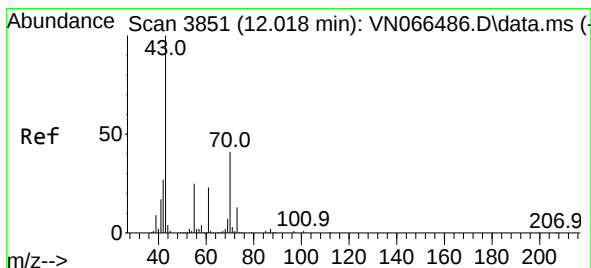
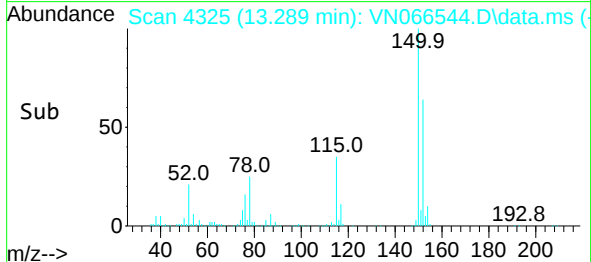
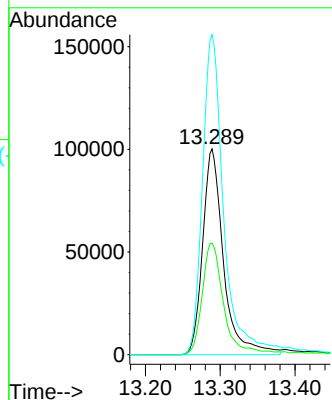
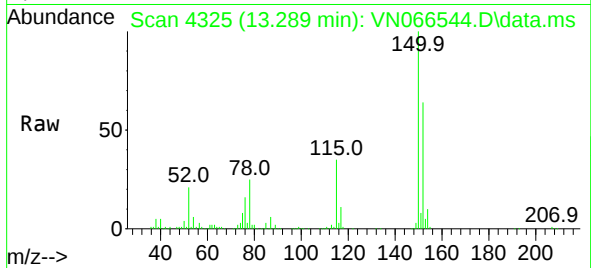




#72
1,4-Dichlorobenzene-d4
Concen: 50.00 ug/l
RT: 13.289 min Scan# 4325
Delta R.T. 0.003 min
Lab File: VN066544.D
Acq: 8 Apr 2021 16:22

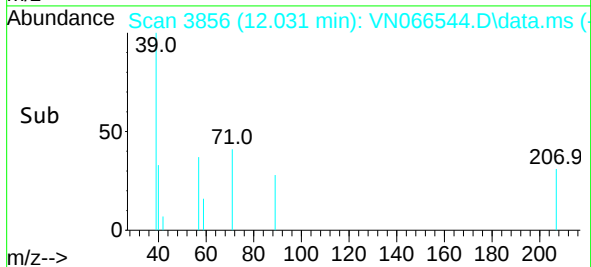
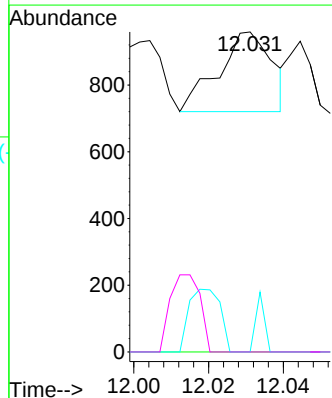
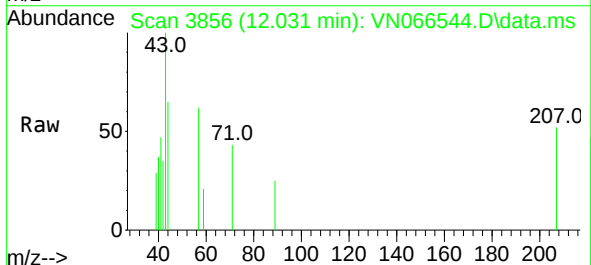
Instrument :
MSVOA_N
ClientSampled :

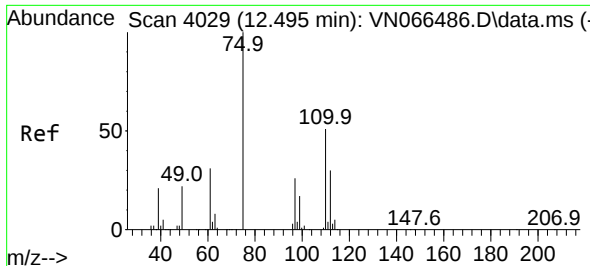
Tgt Ion:152 Resp: 194853
Ion Ratio Lower Upper
152 100
115 54.7 27.8 83.4
150 157.9 0.0 348.4



#74
N-ethyl acetate
Concen: 12.77 ug/l
RT: 12.031 min Scan# 3856
Delta R.T. 0.013 min
Lab File: VN066544.D
Acq: 8 Apr 2021 16:22

Tgt Ion: 43 Resp: 237
Ion Ratio Lower Upper
43 100
70 0.0 31.2 46.8#
55 12.2 18.6 28.0#
61 0.0 18.2 27.4#

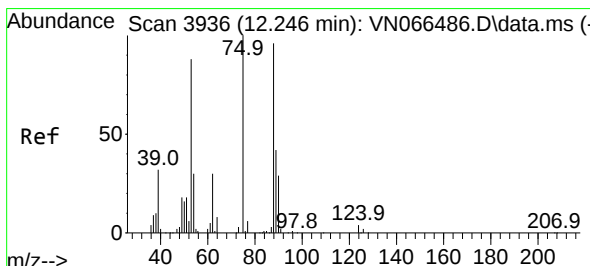
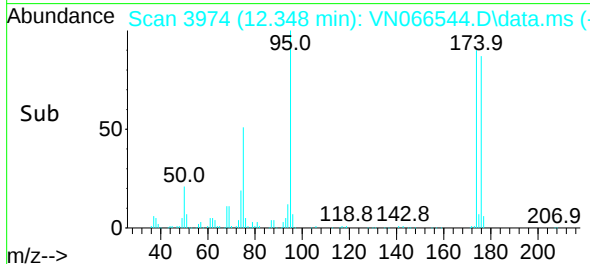
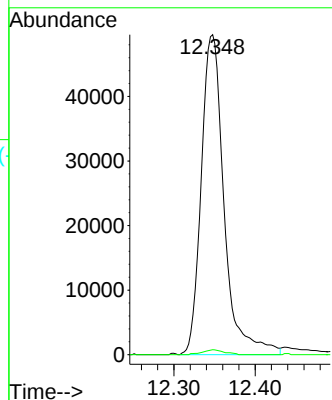
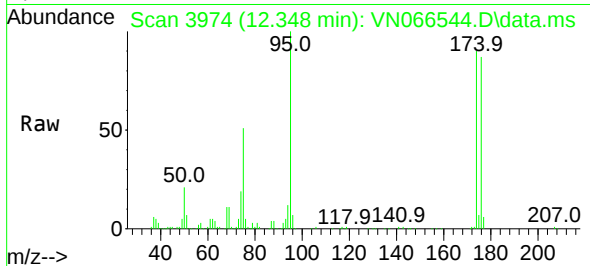




#76
1,2,3-Trichloropropane
Concen: 22.03 ug/l
RT: 12.348 min Scan# 3974
Delta R.T. -0.147 min
Lab File: VN066544.D
Acq: 8 Apr 2021 16:22

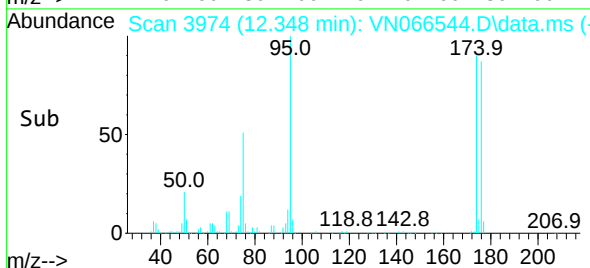
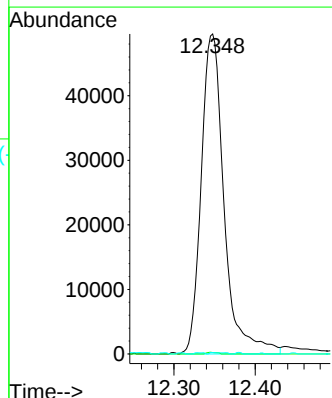
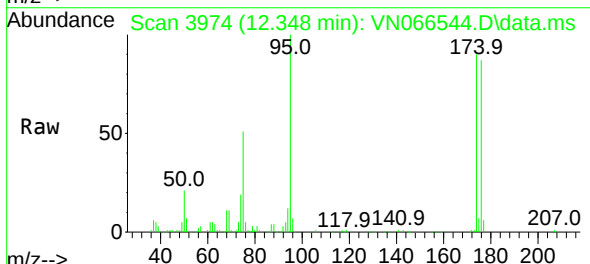
Instrument :
MSVOA_N
ClientSampleId :

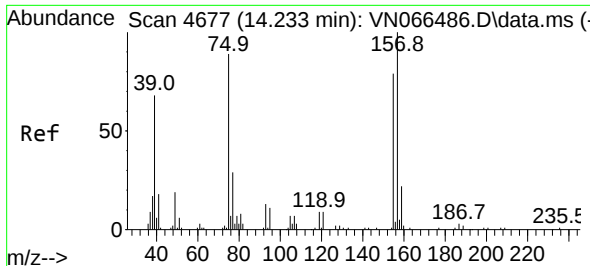
Tgt Ion: 75 Resp: 96830
Ion Ratio Lower Upper
75 100
77 1.5 0.0 0.0#



#81
trans-1,4-Dichloro-2-butene
Concen: 61.31 ug/l
RT: 12.348 min Scan# 3974
Delta R.T. 0.102 min
Lab File: VN066544.D
Acq: 8 Apr 2021 16:22

Tgt Ion: 75 Resp: 96830
Ion Ratio Lower Upper
75 100
53 0.2 76.1 114.1#
89 0.2 35.7 53.5#

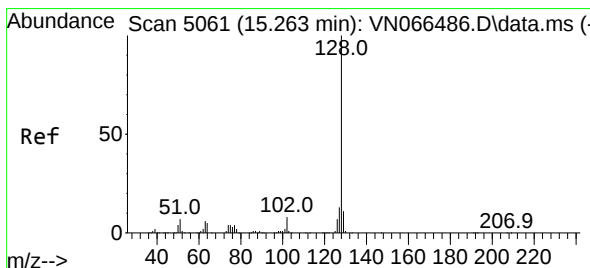
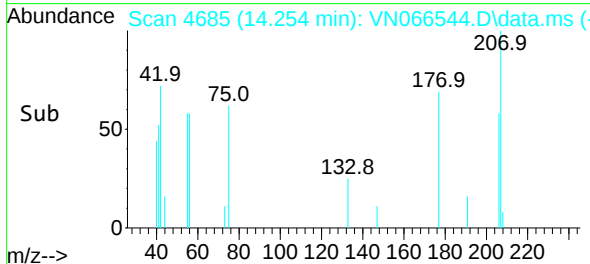
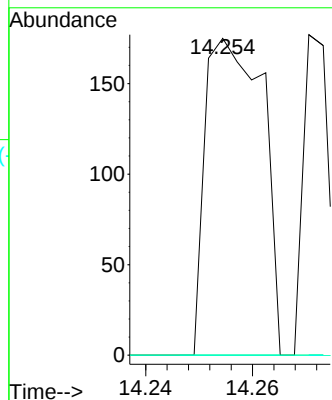
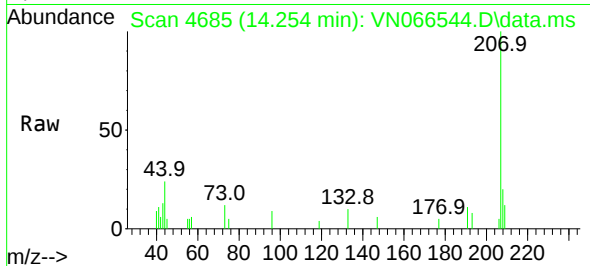




#92
1,2-Dibromo-3-Chloropropane
Concen: 0.46 ug/l
RT: 14.254 min Scan# 4685
Delta R.T. 0.021 min
Lab File: VN066544.D
Acq: 8 Apr 2021 16:22

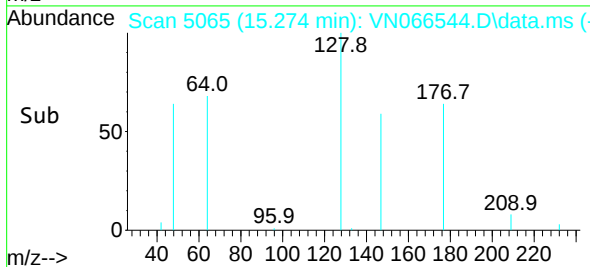
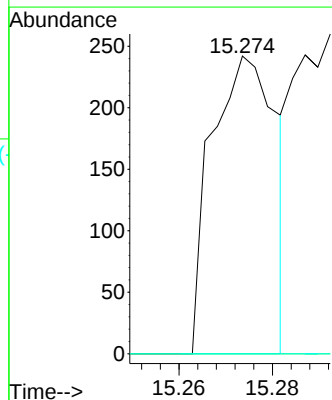
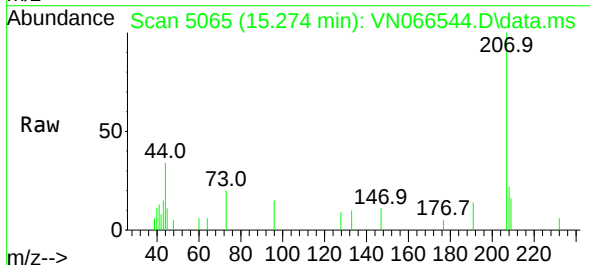
Instrument :
MSVOA_N
ClientSampled :

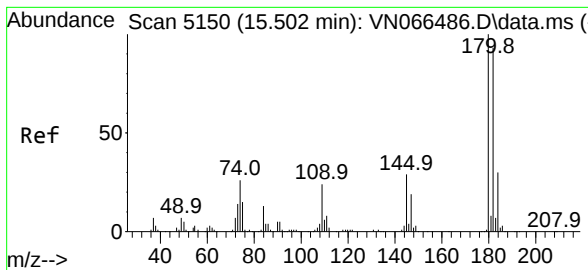
Tgt Ion: 75 Resp: 130
Ion Ratio Lower Upper
75 100
155 0.0 43.8 131.3#
157 0.0 57.6 172.8#



#95
Naphthalene
Concen: 1.99 ug/l
RT: 15.274 min Scan# 5065
Delta R.T. 0.011 min
Lab File: VN066544.D
Acq: 8 Apr 2021 16:22

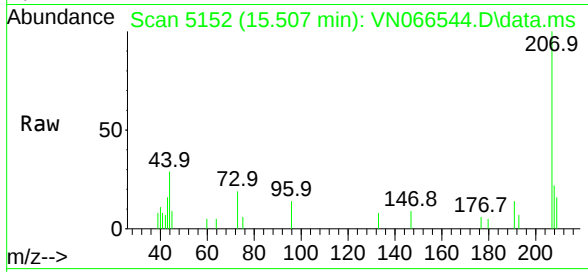
Tgt Ion: 128 Resp: 231
Ion Ratio Lower Upper
128 100
127 0.0 10.5 15.7#
129 0.0 8.5 12.7#





#96
 1,2,3-Trichlorobenzene
 Concen: 1.62 ug/l
 RT: 15.507 min Scan# 5152
 Delta R.T. 0.005 min
 Lab File: VN066544.D
 Acq: 8 Apr 2021 16:22

Instrument :
 MSVOA_N
 ClientSampleId :



Tgt Ion:180 Resp: 24
 Ion Ratio Lower Upper
 180 100
 182 0.0 47.6 142.9#
 145 0.0 15.4 46.1#

