

Data Path : Z:\voasrv\HPCHEM1\MSVOA_N\Data\VN040721\
 Data File : VN066519.D
 Acq On : 7 Apr 2021 20:33
 Operator : JC/MD
 Sample : PB135583ZH#08
 Misc : 5.00mL/MSVOA_N/WATER
 ALS Vial : 14 Sample Multiplier: 1

Instrument :
 MSVOA_N
 ClientSampleId :

Quant Time: Apr 08 01:58:39 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)

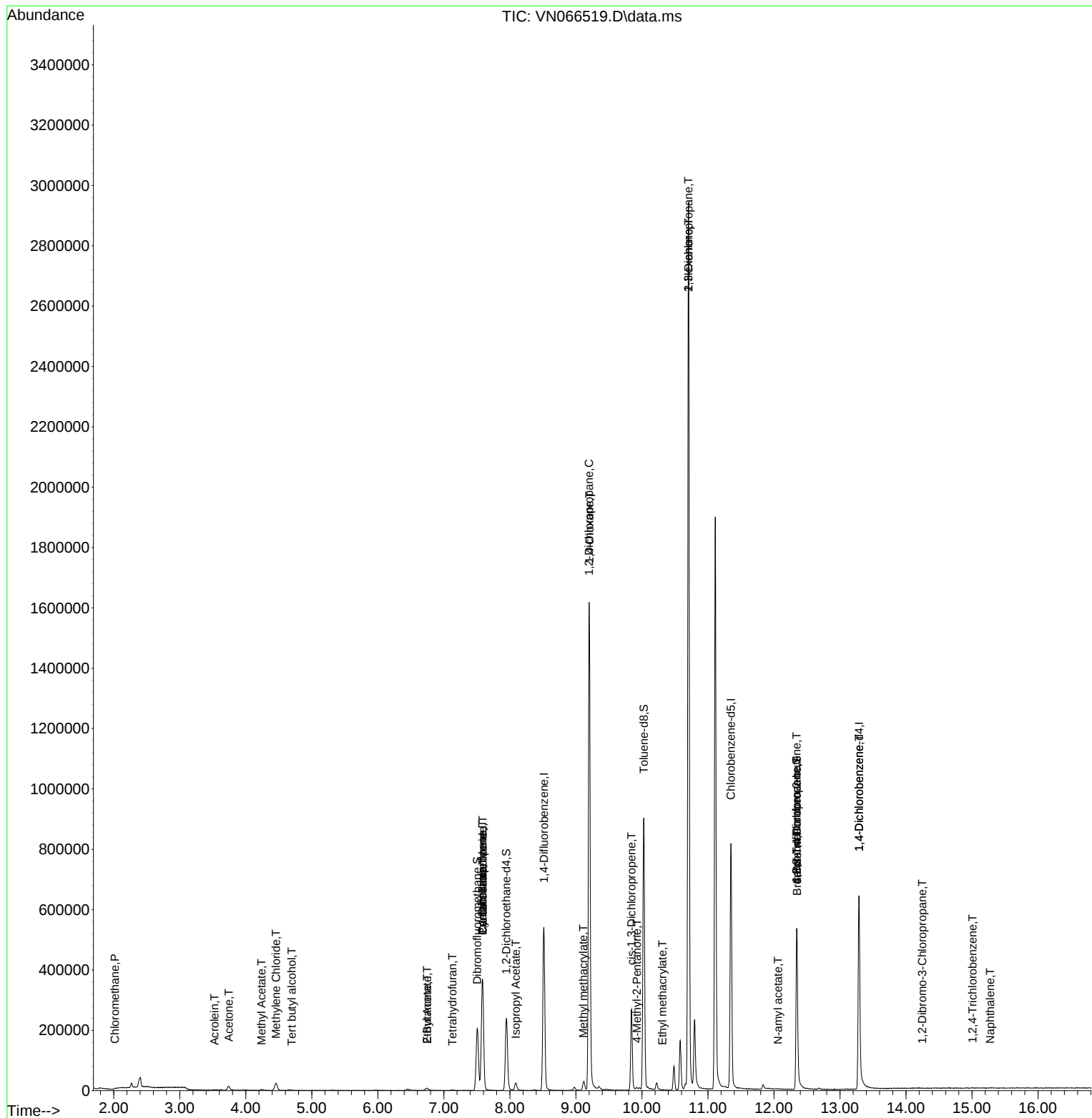
Internal Standards						
1) Pentafluorobenzene	7.587	168	316530	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	8.515	114	474218	50.00	ug/l	0.00
63) Chlorobenzene-d5	11.347	117	466821	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.289	152	204748	50.00	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	7.947	65	203845	48.90	ug/l	0.00
Spiked Amount 50.000	Range 78 - 117		Recovery =	97.80%		
35) Dibromofluoromethane	7.504	113	161308	49.91	ug/l	0.00
Spiked Amount 50.000	Range 75 - 124		Recovery =	99.82%		
50) Toluene-d8	10.028	98	619552	50.45	ug/l	0.00
Spiked Amount 50.000	Range 92 - 112		Recovery =	100.90%		
62) 4-Bromofluorobenzene	12.345	95	189141	47.49	ug/l	0.00
Spiked Amount 50.000	Range 83 - 123		Recovery =	94.98%		
Target Compounds						Qvalue
3) Chloromethane	2.019	50	1129	0.24	ug/l	92
11) Tert butyl alcohol	4.696	59	421	0.63	ug/l #	85
13) Acrolein	3.527	56	479	4.96	ug/l #	1
16) Acetone	3.741	43	23043	13.19	ug/l	97
18) Methyl Acetate	4.237	43	3702	0.85	ug/l #	79
20) Methylene Chloride	4.457	84	16483	4.39	ug/l	92
25) 2-Butanone	6.748	43	11424	4.36	ug/l #	87
29) Tetrahydrofuran	7.131	42	920	0.52	ug/l #	50
31) Cyclohexane	7.584	56	6407	1.12	ug/l #	2
36) 1,1-Dichloropropene	7.584	75	22779	4.94	ug/l #	49
37) Ethyl Acetate	6.748	43	11424	2.00	ug/l #	69
38) Carbon Tetrachloride	7.587	117	28261	6.05	ug/l #	17
43) Isopropyl Acetate	8.091	43	30914	3.50	ug/l	97
45) 1,2-Dichloropropane	9.199	63	2082	0.54	ug/l #	43
48) Methyl methacrylate	9.113	41	7481	1.91	ug/l #	12
49) 1,4-Dioxane	9.204	88	241	4.53	ug/l #	1
51) 4-Methyl-2-Pentanone	9.923	43	5634	1.07	ug/l	92
54) cis-1,3-Dichloropropene	9.843	75	46856	7.97	ug/l #	62
56) Ethyl methacrylate	10.309	69	77	3.73	ug/l #	22
57) 1,3-Dichloropropane	10.706	76	29684	5.02	ug/l #	43
59) 2-Hexanone	10.704	43	419574	109.51	ug/l #	53
71) Bromoform	12.350	173	1736	0.58	ug/l #	1
74) N-amyl acetate	12.063	43	223	12.76	ug/l #	45
76) 1,2,3-Trichloropropane	12.345	75	97574	21.13	ug/l #	100
81) trans-1,4-Dichloro-2-b...	12.345	75	97574	59.02	ug/l #	12
88) 1,4-Dichlorobenzene	13.289	146	52	1.01	ug/l #	1
92) 1,2-Dibromo-3-Chloropr...	14.246	75	62	0.39	ug/l #	1
93) 1,2,4-Trichlorobenzene	15.008	180	24	2.24	ug/l #	12
95) Naphthalene	15.276	128	598	2.02	ug/l #	69

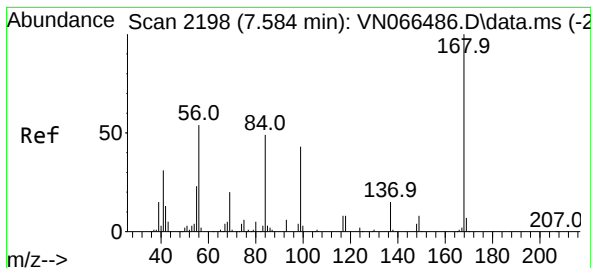
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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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: VN066519.D

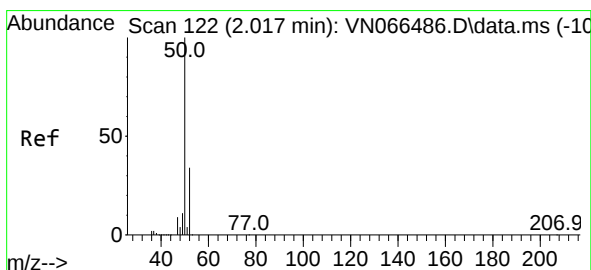
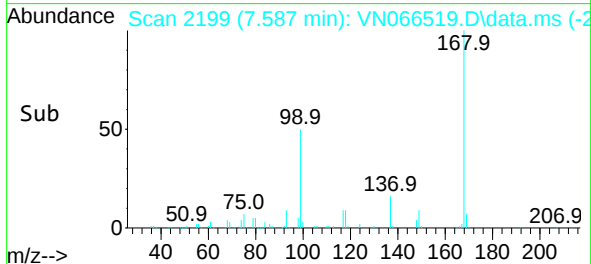
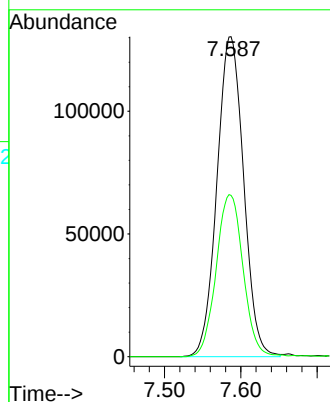
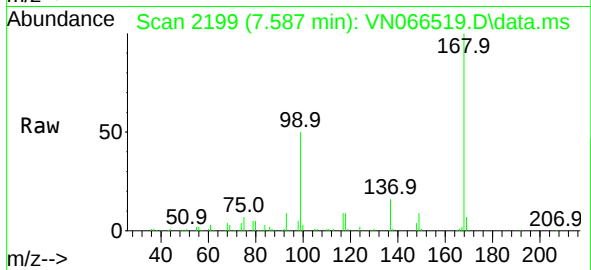
Acq: 7 Apr 2021 20:33

Tgt Ion:168 Resp: 316530

Ion Ratio Lower Upper

168 100

99 50.4 41.1 61.7



#3

Chloromethane

Concen: 0.24 ug/l

RT: 2.019 min Scan# 123

Delta R.T. 0.002 min

Lab File: VN066519.D

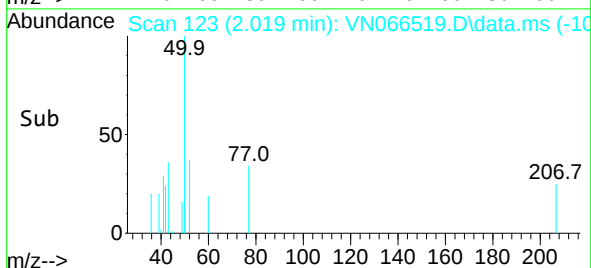
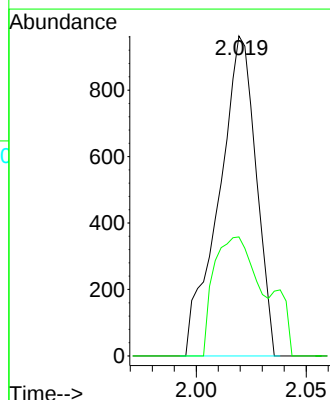
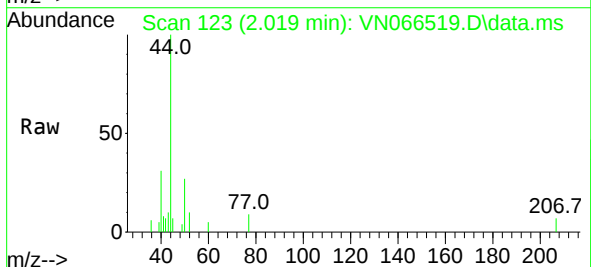
Acq: 7 Apr 2021 20:33

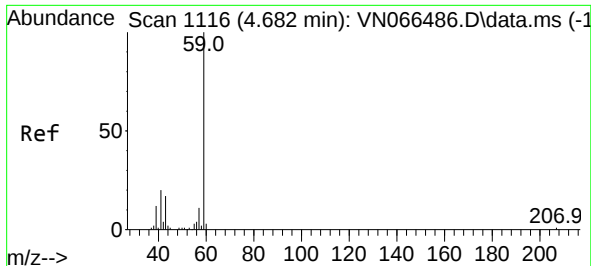
Tgt Ion: 50 Resp: 1129

Ion Ratio Lower Upper

50 100

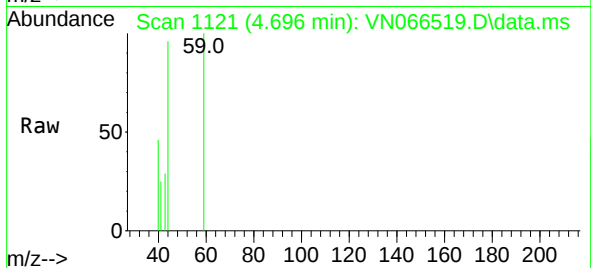
52 37.2 26.2 39.2



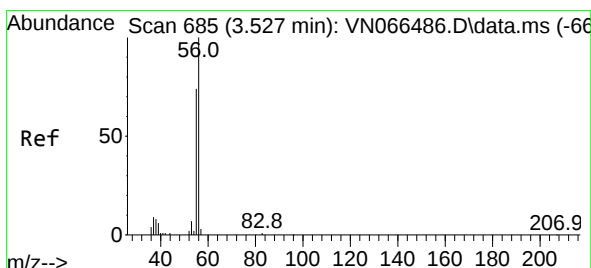
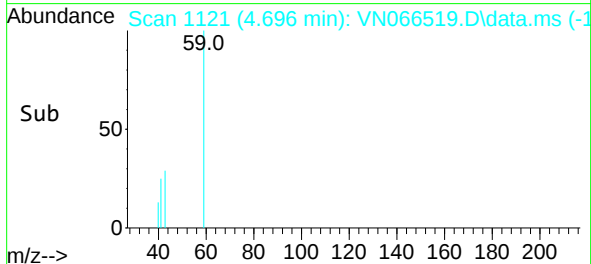
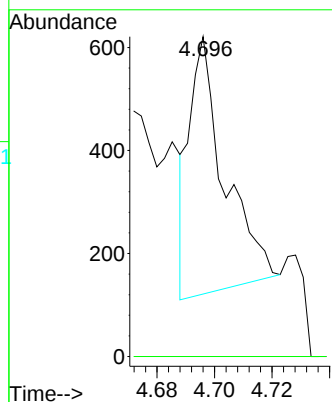


#11
Tert butyl alcohol
Concen: 0.63 ug/l
RT: 4.696 min Scan# 1121
Delta R.T. 0.014 min
Lab File: VN066519.D
Acq: 7 Apr 2021 20:33

Instrument :
MSVOA_N
ClientSampleId :

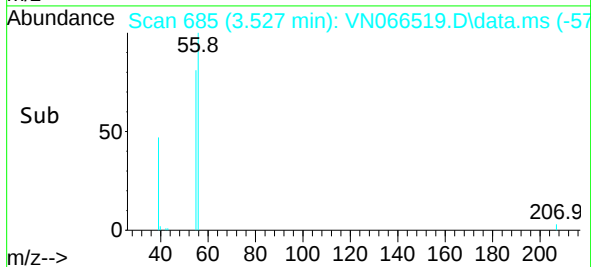
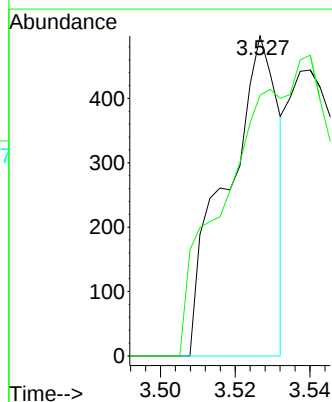
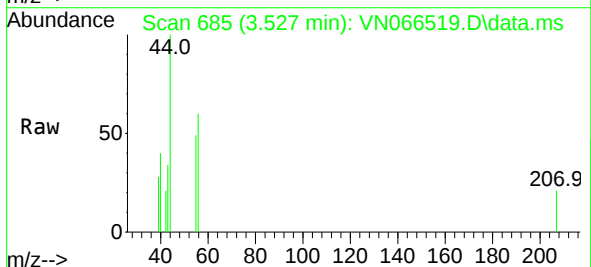


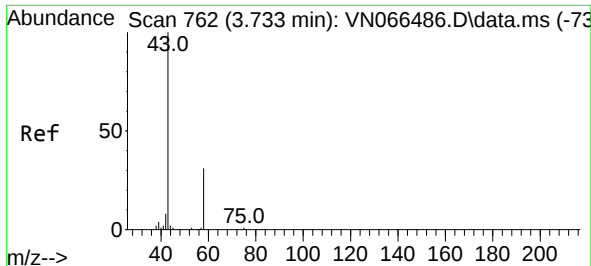
Tgt Ion: 59 Resp: 421
Ion Ratio Lower Upper
59 100
57 0.0 4.1 6.1#



#13
Acrolein
Concen: 4.96 ug/l
RT: 3.527 min Scan# 685
Delta R.T. -0.000 min
Lab File: VN066519.D
Acq: 7 Apr 2021 20:33

Tgt Ion: 56 Resp: 479
Ion Ratio Lower Upper
56 100
55 189.4 57.9 86.9#

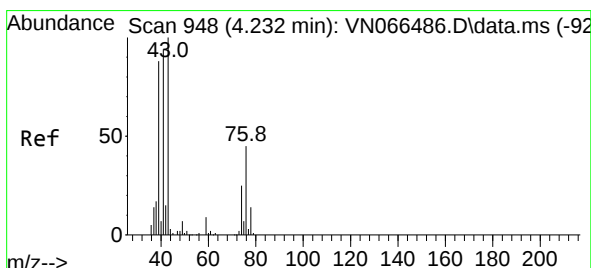
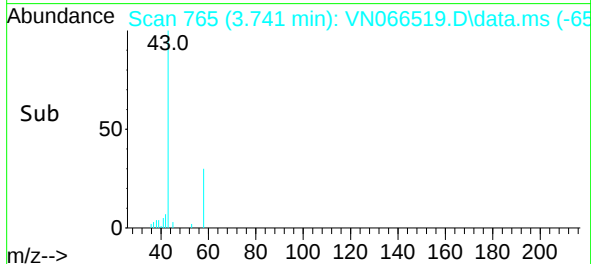
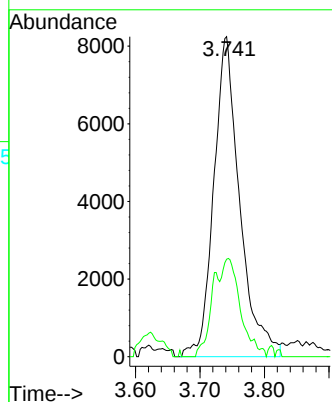
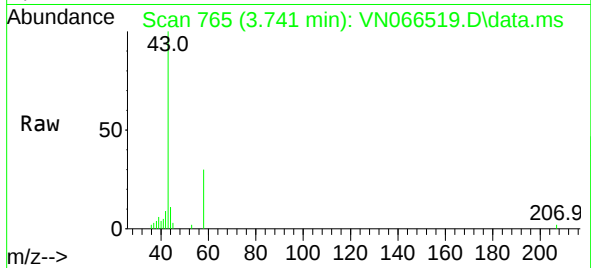




#16
Acetone
Concen: 13.19 ug/l
RT: 3.741 min Scan# 765
Delta R.T. 0.008 min
Lab File: VN066519.D
Acq: 7 Apr 2021 20:33

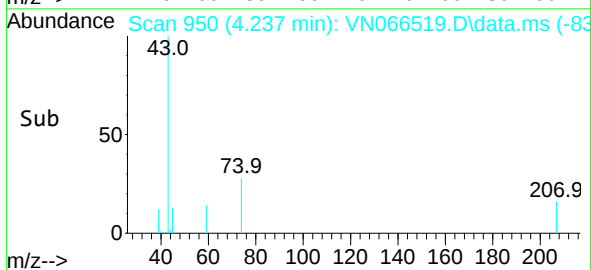
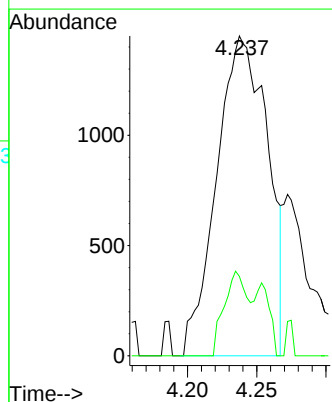
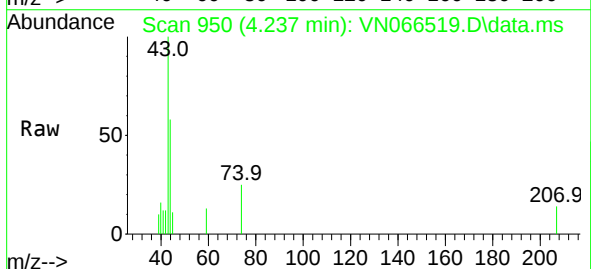
Instrument :
MSVOA_N
ClientSampled :

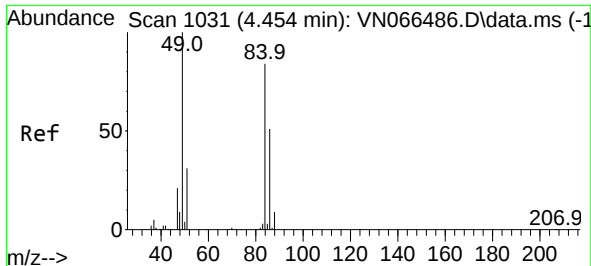
Tgt Ion: 43 Resp: 23043
Ion Ratio Lower Upper
43 100
58 28.4 23.8 35.8



#18
Methyl Acetate
Concen: 0.85 ug/l
RT: 4.237 min Scan# 950
Delta R.T. 0.005 min
Lab File: VN066519.D
Acq: 7 Apr 2021 20:33

Tgt Ion: 43 Resp: 3702
Ion Ratio Lower Upper
43 100
74 11.9 17.6 26.4#





#20

Methylene Chloride

Concen: 4.39 ug/l

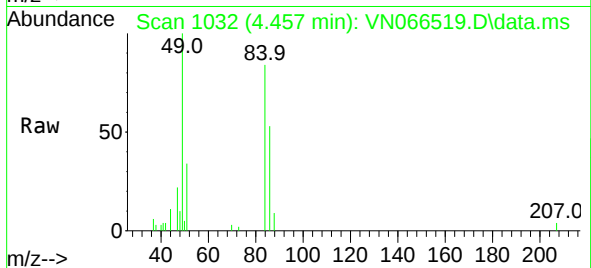
RT: 4.457 min Scan# 1032

Delta R.T. 0.003 min

Lab File: VN066519.D

Acq: 7 Apr 2021 20:33

Instrument :
MSVOA_N
ClientSampleId :



Tgt Ion: 84 Resp: 16483

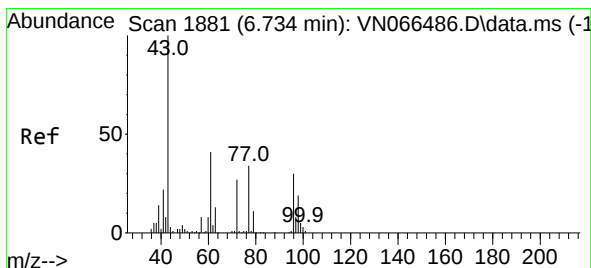
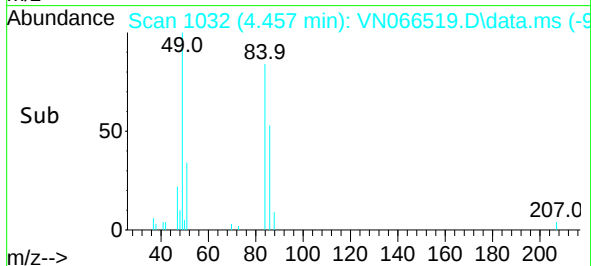
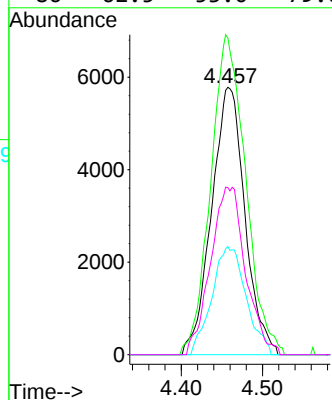
Ion Ratio Lower Upper

84 100

49 118.4 105.0 157.6

51 40.4 31.6 47.4

86 62.5 53.0 79.6



#25

2-Butanone

Concen: 4.36 ug/l

RT: 6.748 min Scan# 1886

Delta R.T. 0.014 min

Lab File: VN066519.D

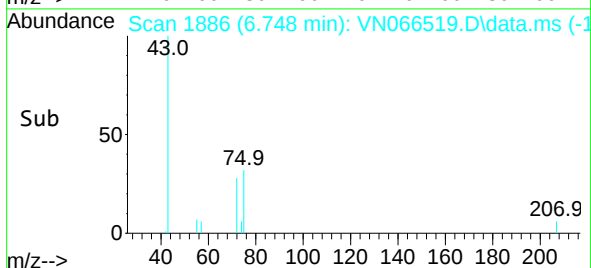
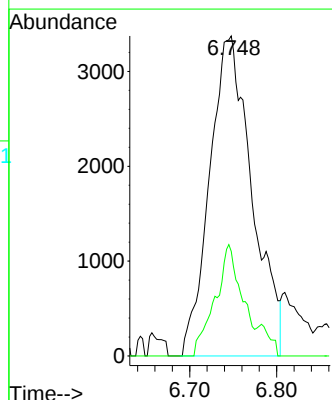
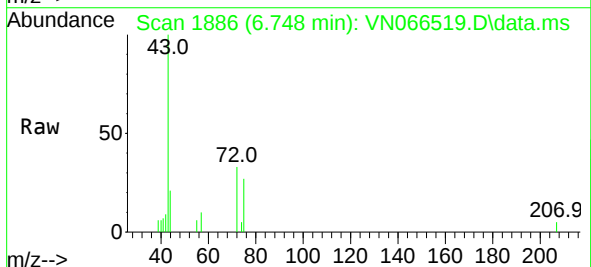
Acq: 7 Apr 2021 20:33

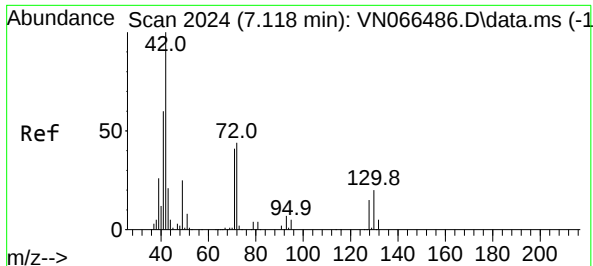
Tgt Ion: 43 Resp: 11424

Ion Ratio Lower Upper

43 100

72 32.7 20.7 31.1#

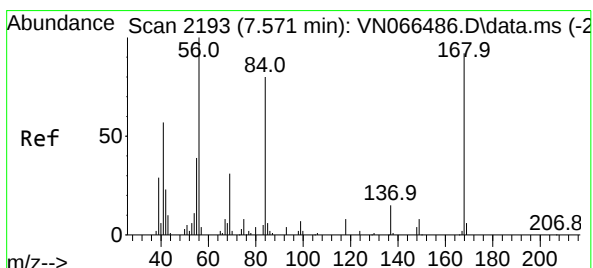
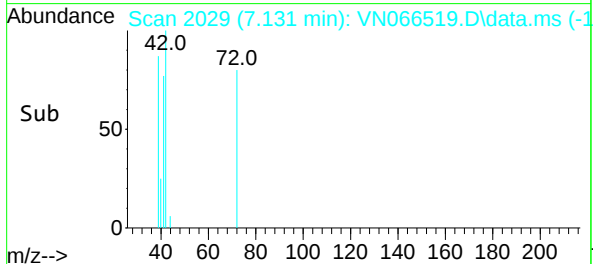
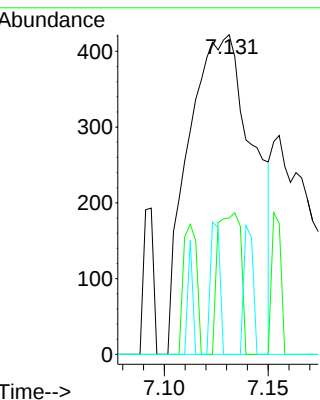
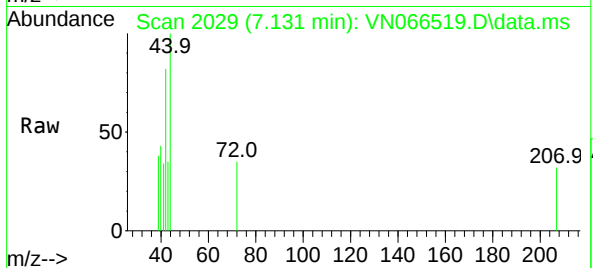




#29
Tetrahydrofuran
Concen: 0.52 ug/l
RT: 7.131 min Scan# 2029
Delta R.T. 0.013 min
Lab File: VN066519.D
Acq: 7 Apr 2021 20:33

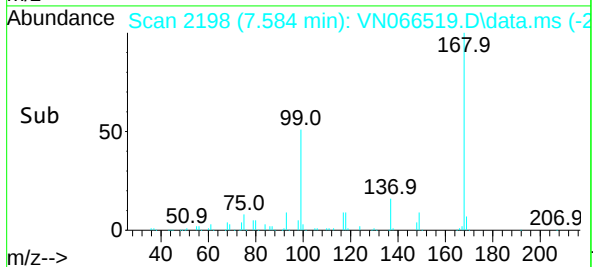
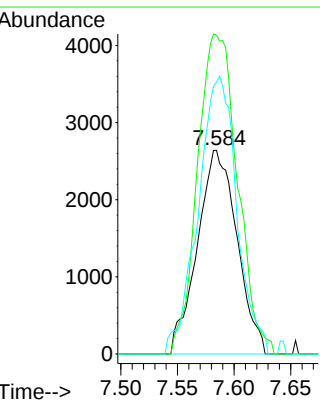
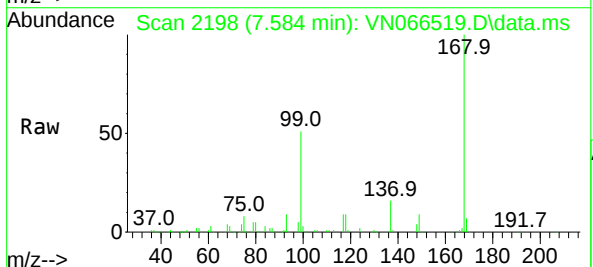
Instrument :
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ClientSampleId :

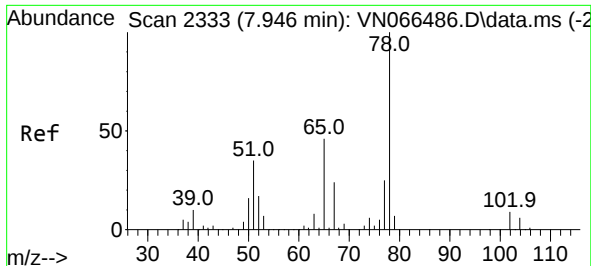
Tgt Ion: 42 Resp: 920
Ion Ratio Lower Upper
42 100
72 15.5 35.2 52.8#
71 5.7 33.1 49.7#



#31
Cyclohexane
Concen: 1.12 ug/l
RT: 7.584 min Scan# 2198
Delta R.T. 0.013 min
Lab File: VN066519.D
Acq: 7 Apr 2021 20:33

Tgt Ion: 56 Resp: 6407
Ion Ratio Lower Upper
56 100
69 156.6 26.6 40.0#
84 133.5 68.7 103.1#

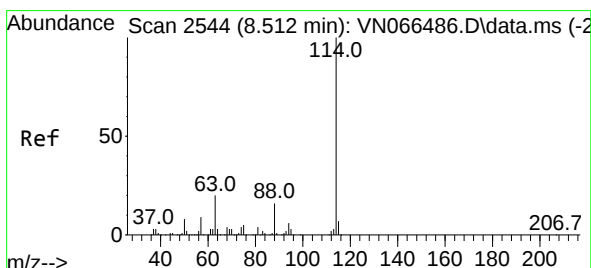
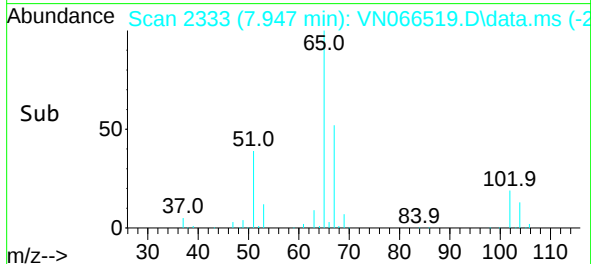
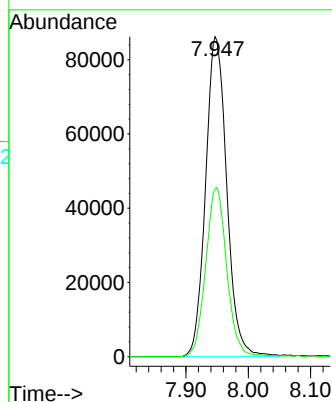
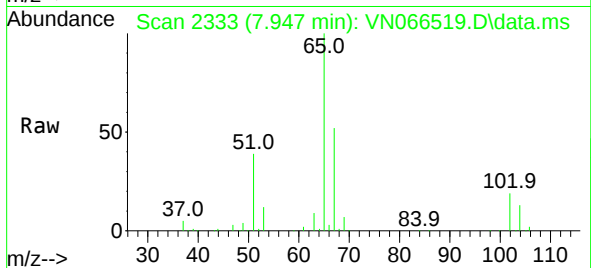




#33
1,2-Dichloroethane-d4
Concen: 48.90 ug/l
RT: 7.947 min Scan# 2333
Delta R.T. 0.001 min
Lab File: VN066519.D
Acq: 7 Apr 2021 20:33

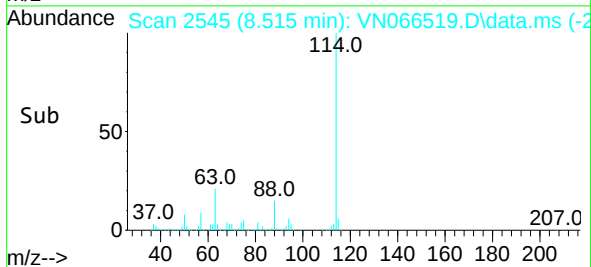
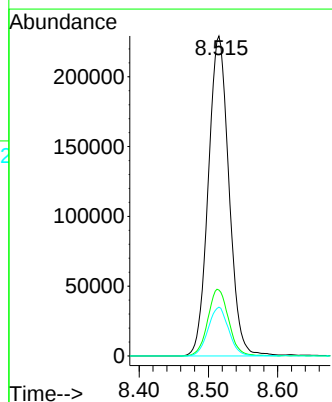
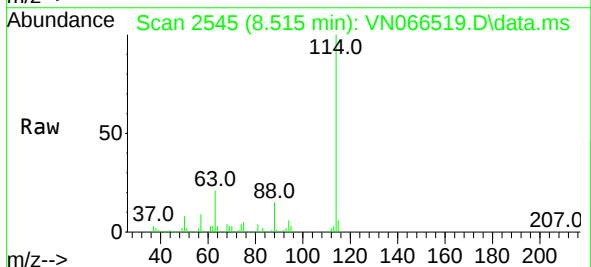
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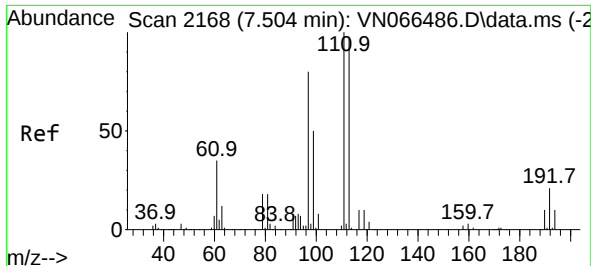
Tgt Ion: 65 Resp: 203845
Ion Ratio Lower Upper
65 100
67 52.2 0.0 105.2



#34
1,4-Difluorobenzene
Concen: 50.00 ug/l
RT: 8.515 min Scan# 2545
Delta R.T. 0.003 min
Lab File: VN066519.D
Acq: 7 Apr 2021 20:33

Tgt Ion: 114 Resp: 474218
Ion Ratio Lower Upper
114 100
63 20.6 0.0 42.0
88 15.3 0.0 31.0

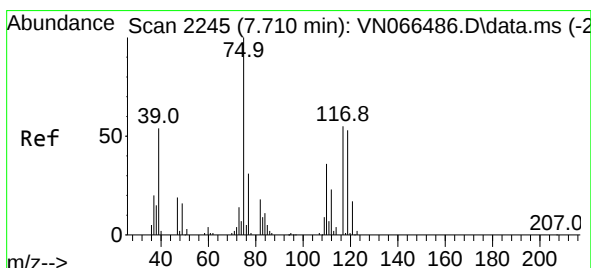
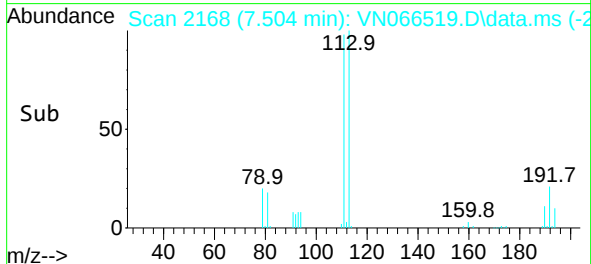
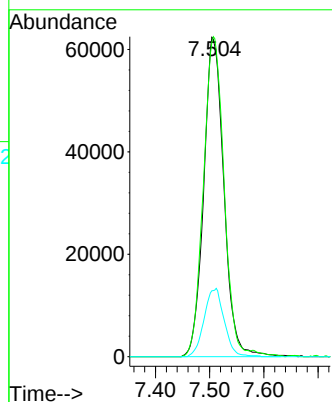
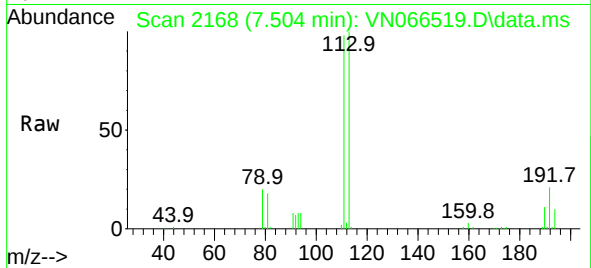




#35
Dibromofluoromethane
Concen: 49.91 ug/l
RT: 7.504 min Scan# 2168
Delta R.T. 0.000 min
Lab File: VN066519.D
Acq: 7 Apr 2021 20:33

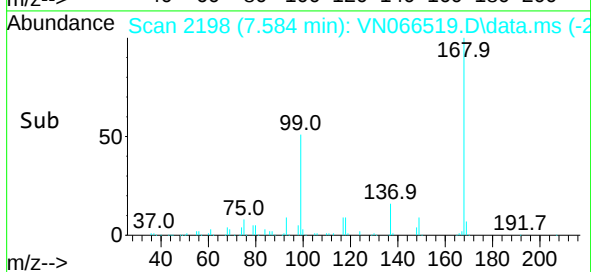
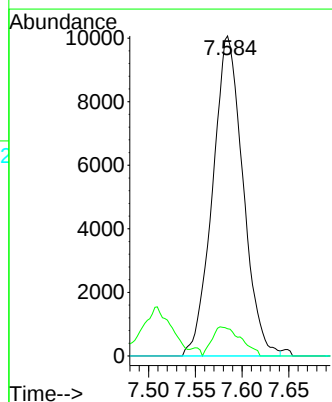
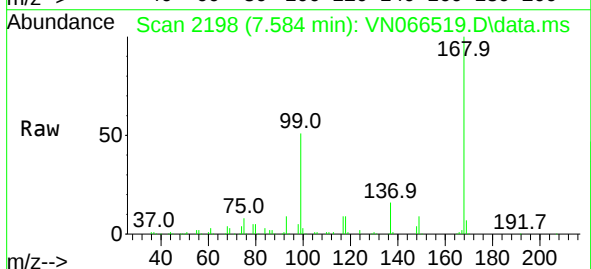
Instrument :
MSVOA_N
ClientSampleId :

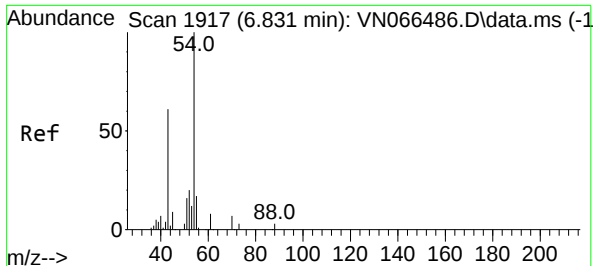
Tgt Ion:113 Resp: 161308
Ion Ratio Lower Upper
113 100
111 101.5 81.8 122.8
192 21.2 17.1 25.7



#36
1,1-Dichloropropene
Concen: 4.94 ug/l
RT: 7.584 min Scan# 2198
Delta R.T. -0.126 min
Lab File: VN066519.D
Acq: 7 Apr 2021 20:33

Tgt Ion: 75 Resp: 22779
Ion Ratio Lower Upper
75 100
110 8.6 18.1 54.3#
77 0.0 25.0 37.4#





#37

Ethyl Acetate

Concen: 2.00 ug/l

RT: 6.748 min Scan# 1886

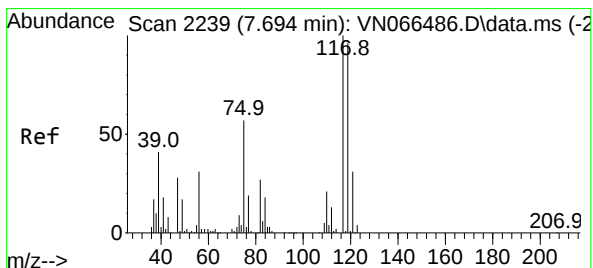
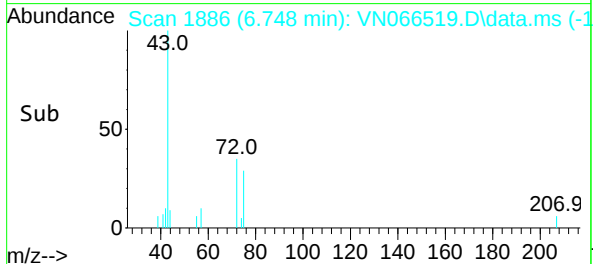
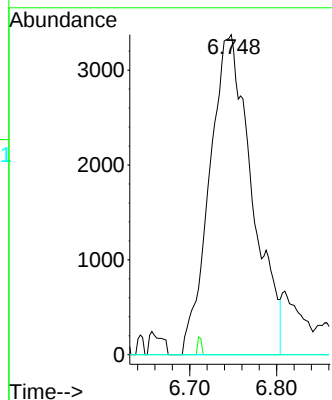
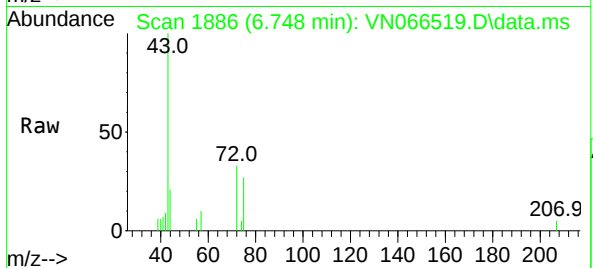
Delta R.T. -0.083 min

Lab File: VN066519.D

Acq: 7 Apr 2021 20:33

Tgt Ion:	43	Resp:	11424
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: 6.05 ug/l

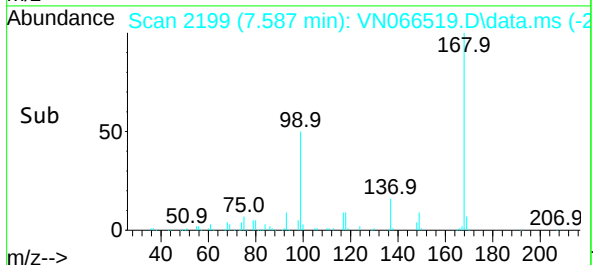
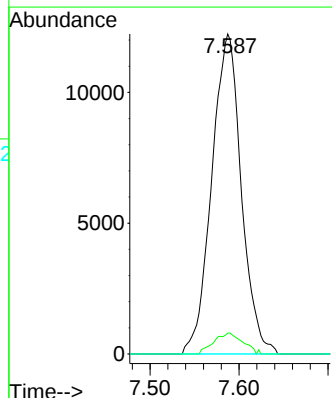
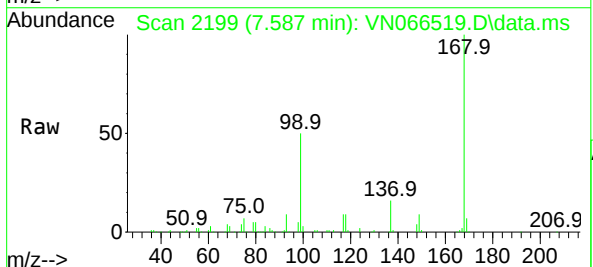
RT: 7.587 min Scan# 2199

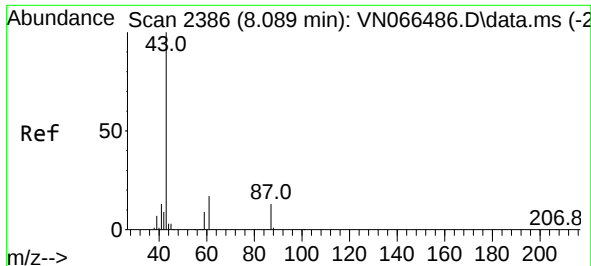
Delta R.T. -0.107 min

Lab File: VN066519.D

Acq: 7 Apr 2021 20:33

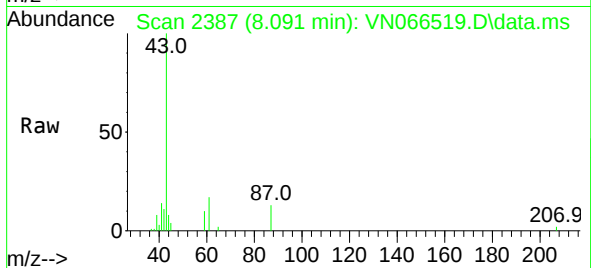
Tgt Ion:	117	Resp:	28261
Ion	Ratio	Lower	Upper
117	100		
119	6.5	77.2	115.8#
121	0.0	24.2	36.4#



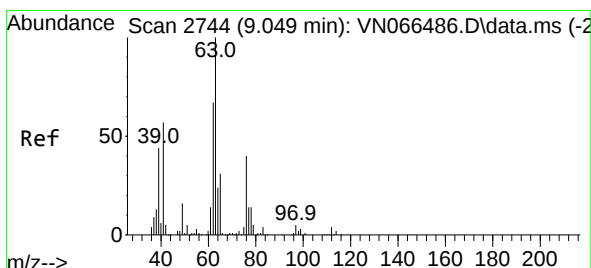
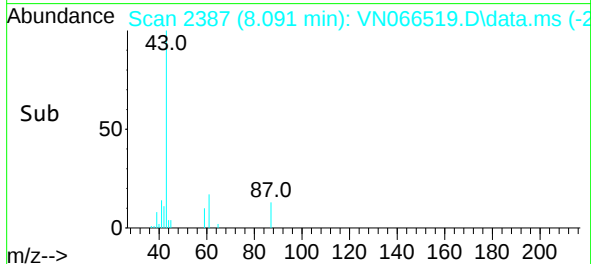
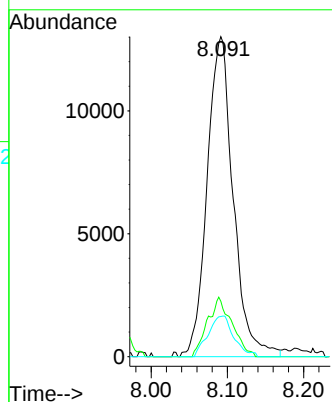


#43
Isopropyl Acetate
Concen: 3.50 ug/l
RT: 8.091 min Scan# 2387
Delta R.T. 0.002 min
Lab File: VN066519.D
Acq: 7 Apr 2021 20:33

Instrument :
MSVOA_N
ClientSampled :

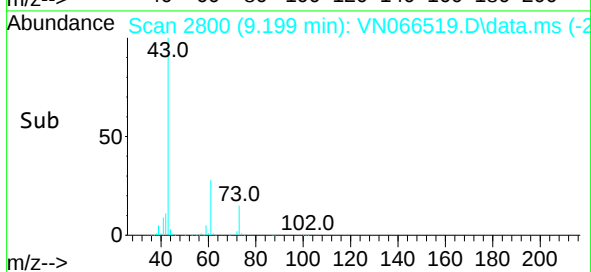
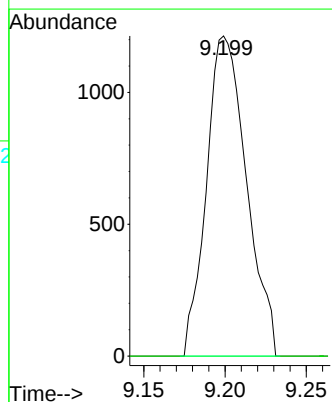
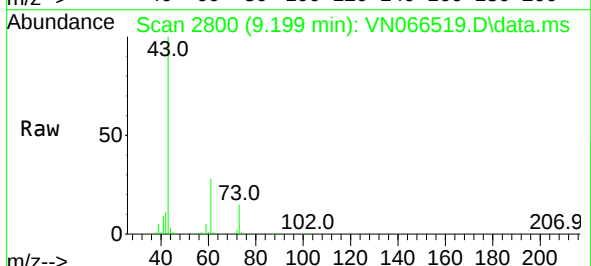


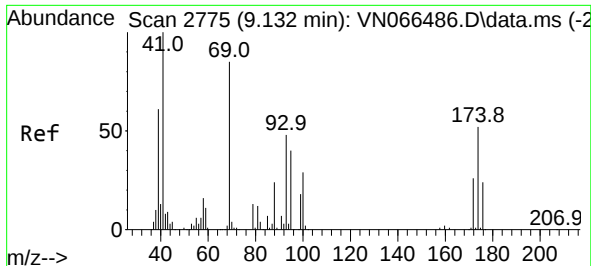
Tgt Ion: 43 Resp: 30914
Ion Ratio Lower Upper
43 100
61 17.5 15.5 23.3
87 12.5 10.5 15.7



#45
1,2-Dichloropropane
Concen: 0.54 ug/l
RT: 9.199 min Scan# 2800
Delta R.T. 0.150 min
Lab File: VN066519.D
Acq: 7 Apr 2021 20:33

Tgt Ion: 63 Resp: 2082
Ion Ratio Lower Upper
63 100
65 0.0 25.5 38.3#

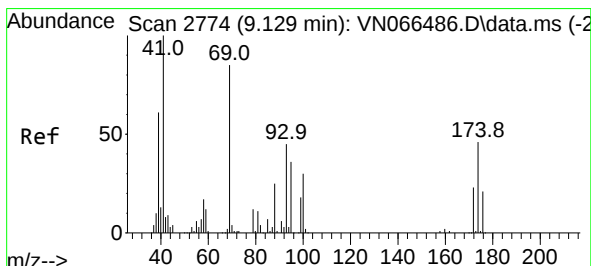
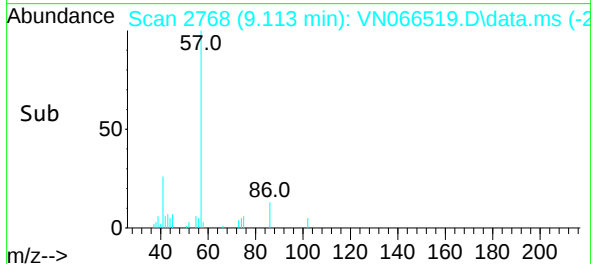
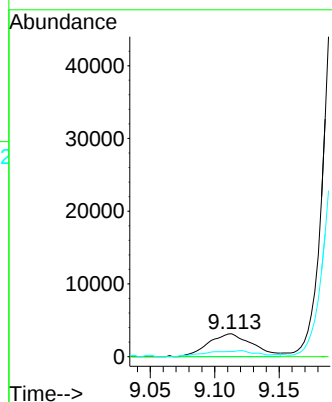
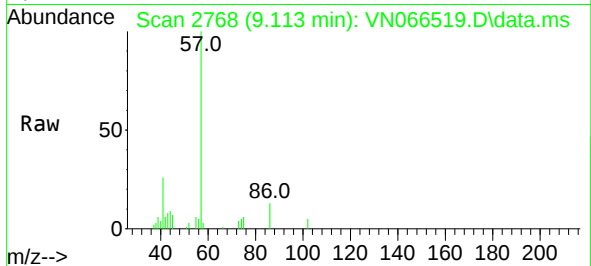




#48
Methyl methacrylate
Concen: 1.91 ug/l
RT: 9.113 min Scan# 2768
Delta R.T. -0.019 min
Lab File: VN066519.D
Acq: 7 Apr 2021 20:33

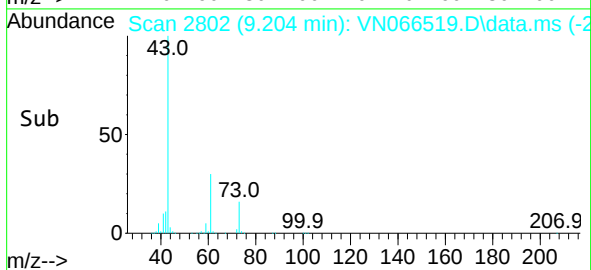
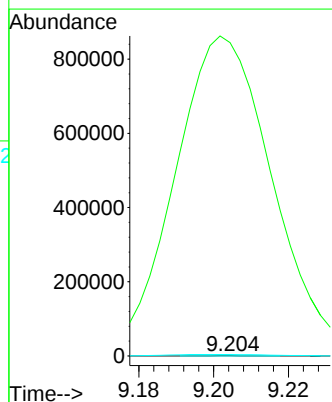
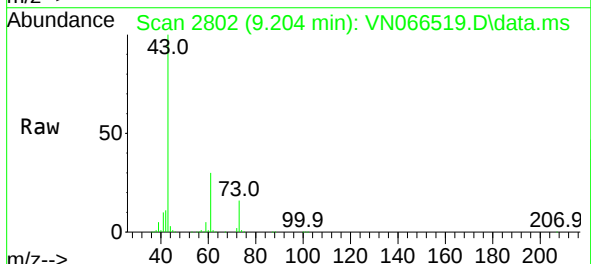
Instrument :
MSVOA_N
ClientSampleId :

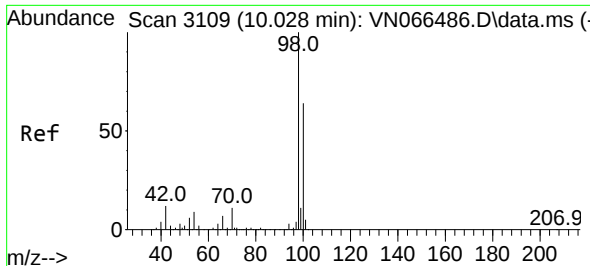
Tgt Ion: 41 Resp: 7481
Ion Ratio Lower Upper
41 100
69 0.0 66.2 99.4#
39 0.0 51.5 77.3#



#49
1,4-Dioxane
Concen: 4.53 ug/l
RT: 9.204 min Scan# 2802
Delta R.T. 0.075 min
Lab File: VN066519.D
Acq: 7 Apr 2021 20:33

Tgt Ion: 88 Resp: 241
Ion Ratio Lower Upper
88 100
43 671080.1 28.2 42.4#
58 3449.8 56.6 84.8#

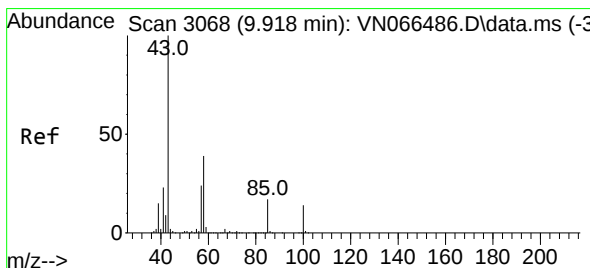
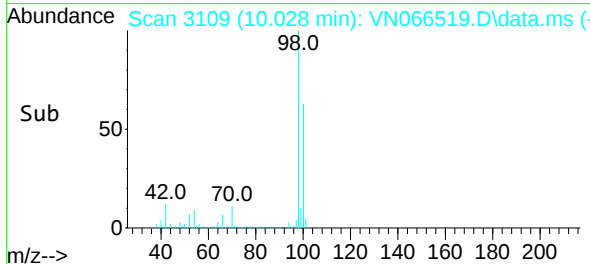
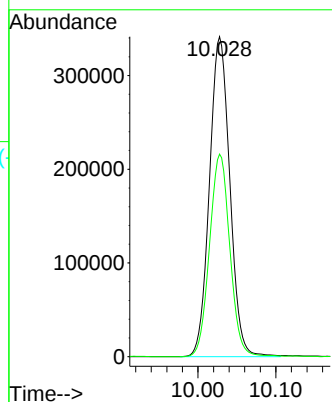
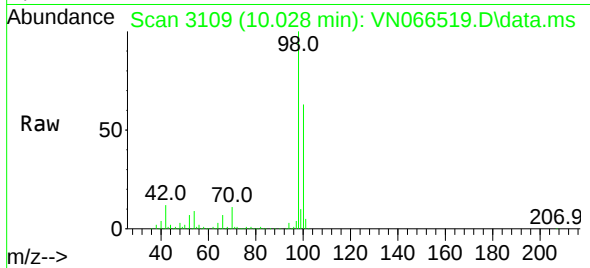




#50
Toluene-d8
Concen: 50.45 ug/l
RT: 10.028 min Scan# 3109
Delta R.T. -0.000 min
Lab File: VN066519.D
Acq: 7 Apr 2021 20:33

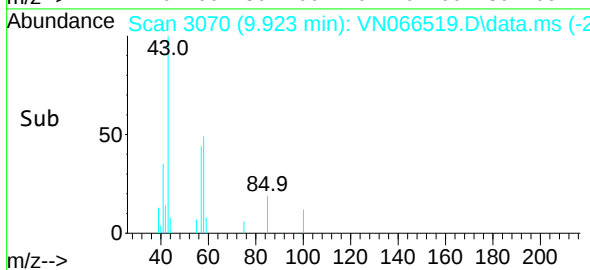
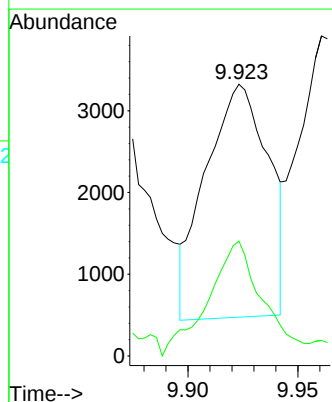
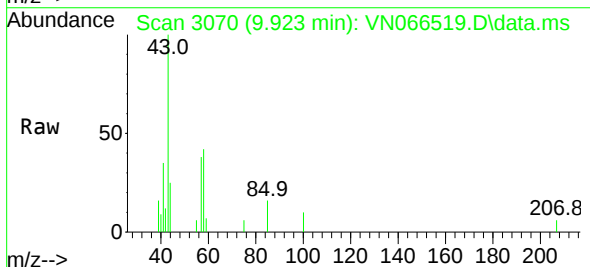
Instrument :
MSVOA_N
ClientSampled :

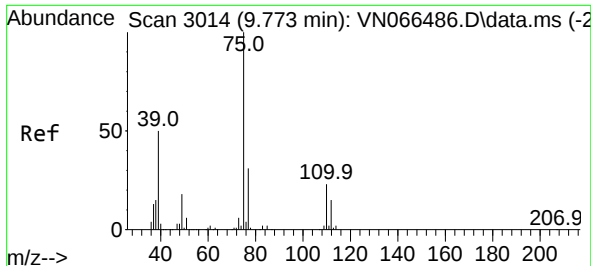
Tgt Ion: 98 Resp: 619552
Ion Ratio Lower Upper
98 100
100 63.3 50.5 75.7



#51
4-Methyl-2-Pentanone
Concen: 1.07 ug/l
RT: 9.923 min Scan# 3070
Delta R.T. 0.005 min
Lab File: VN066519.D
Acq: 7 Apr 2021 20:33

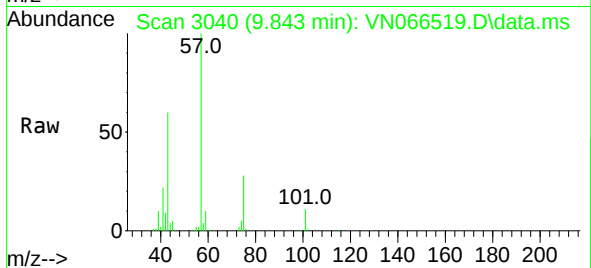
Tgt Ion: 43 Resp: 5634
Ion Ratio Lower Upper
43 100
58 43.1 30.8 46.2



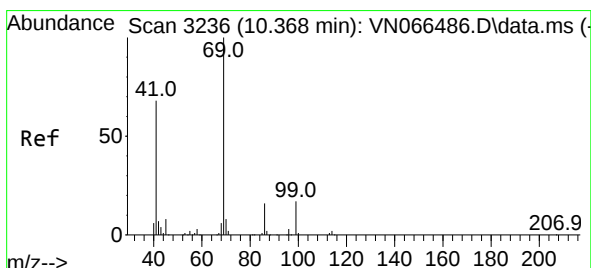
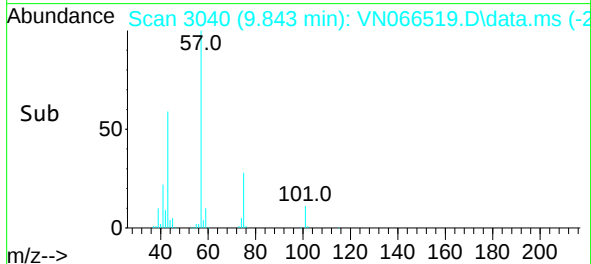
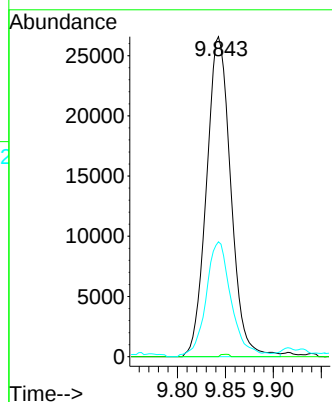


#54
cis-1,3-Dichloropropene
Concen: 7.97 ug/l
RT: 9.843 min Scan# 3040
Delta R.T. 0.070 min
Lab File: VN066519.D
Acq: 7 Apr 2021 20:33

Instrument :
MSVOA_N
ClientSampled :

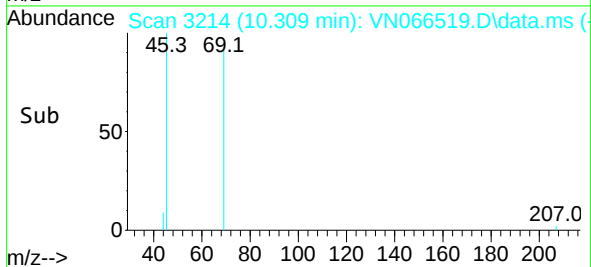
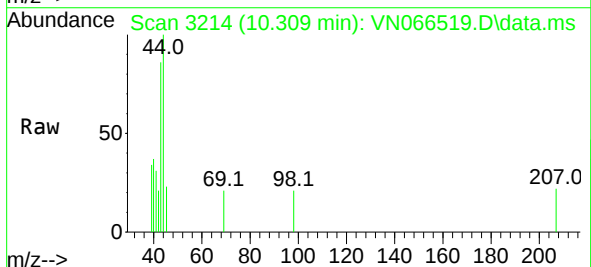
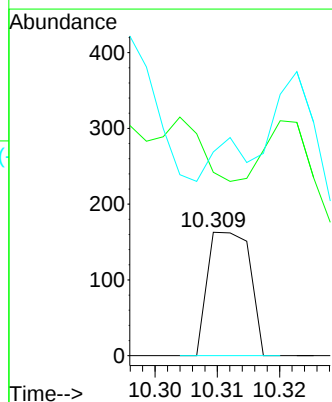


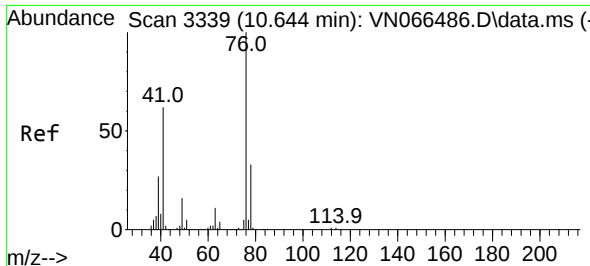
Tgt Ion: 75 Resp: 46856
Ion Ratio Lower Upper
75 100
77 0.0 25.4 38.2#
39 35.2 44.2 66.4#



#56
Ethyl methacrylate
Concen: 3.73 ug/l
RT: 10.309 min Scan# 3214
Delta R.T. -0.059 min
Lab File: VN066519.D
Acq: 7 Apr 2021 20:33

Tgt Ion: 69 Resp: 77
Ion Ratio Lower Upper
69 100
41 0.0 55.3 82.9#
39 0.0 33.8 50.6#

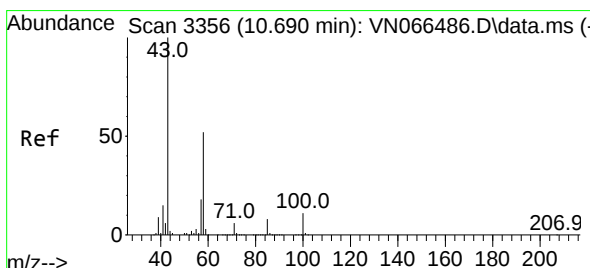
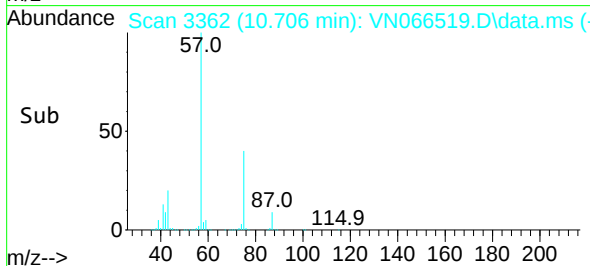
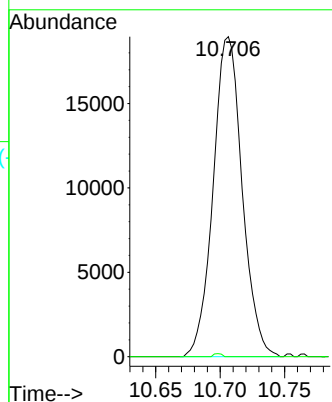
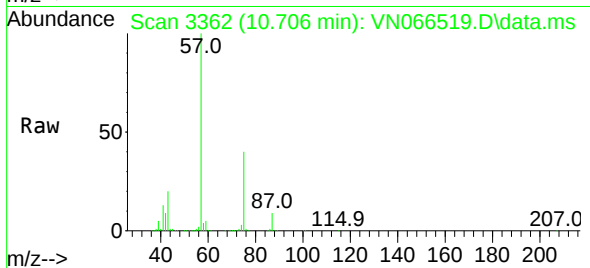




#57
1,3-Dichloropropane
Concen: 5.02 ug/l
RT: 10.706 min Scan# 3362
Delta R.T. 0.062 min
Lab File: VN066519.D
Acq: 7 Apr 2021 20:33

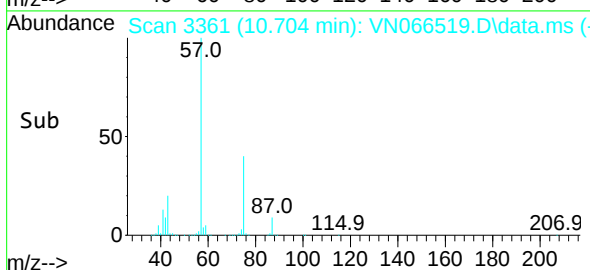
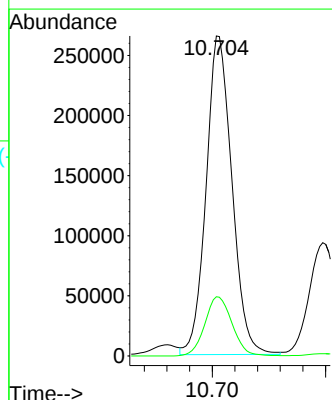
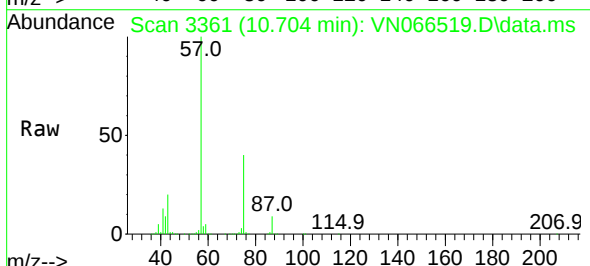
Instrument :
MSVOA_N
ClientSampled :

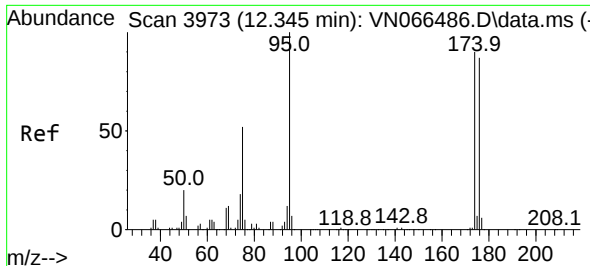
Tgt Ion: 76 Resp: 29684
Ion Ratio Lower Upper
76 100
78 0.3 25.9 38.9#



#59
2-Hexanone
Concen: 109.51 ug/l
RT: 10.704 min Scan# 3361
Delta R.T. 0.014 min
Lab File: VN066519.D
Acq: 7 Apr 2021 20:33

Tgt Ion: 43 Resp: 419574
Ion Ratio Lower Upper
43 100
58 19.6 26.6 79.8#

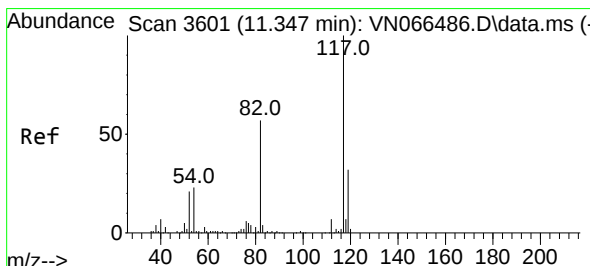
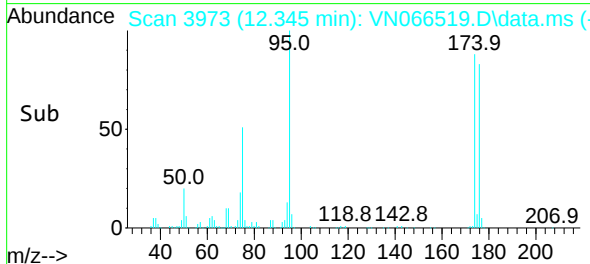
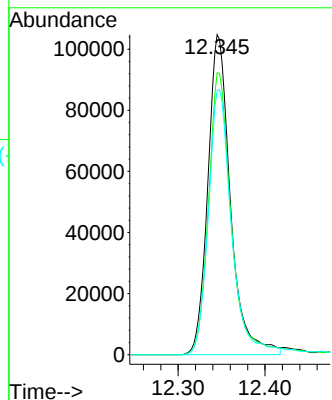
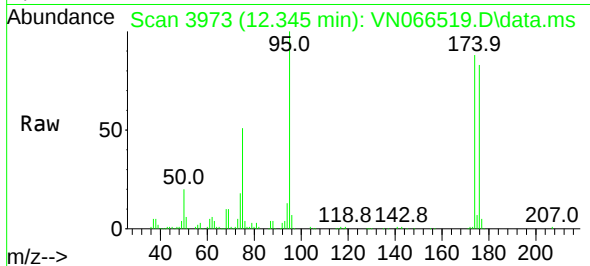




#62
4-Bromofluorobenzene
Concen: 47.49 ug/l
RT: 12.345 min Scan# 3973
Delta R.T. -0.000 min
Lab File: VN066519.D
Acq: 7 Apr 2021 20:33

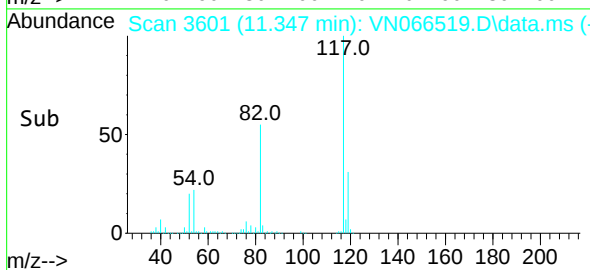
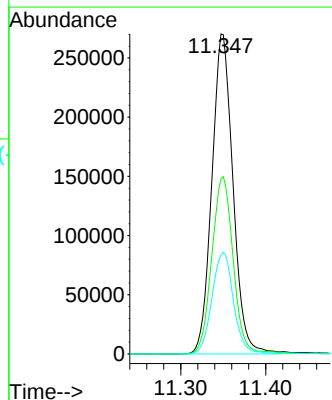
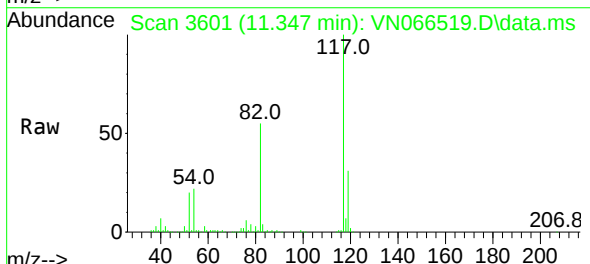
Instrument :
MSVOA_N
ClientSampleId :

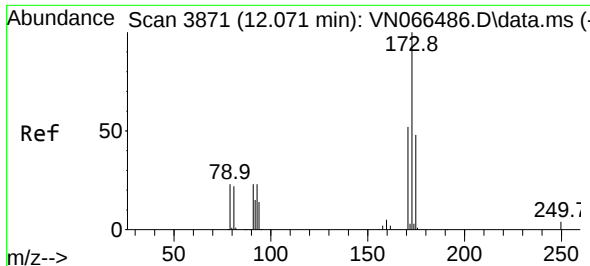
Tgt Ion: 95 Resp: 189141
Ion Ratio Lower Upper
95 100
174 90.0 0.0 172.2
176 85.2 0.0 167.8



#63
Chlorobenzene-d5
Concen: 50.00 ug/l
RT: 11.347 min Scan# 3601
Delta R.T. 0.000 min
Lab File: VN066519.D
Acq: 7 Apr 2021 20:33

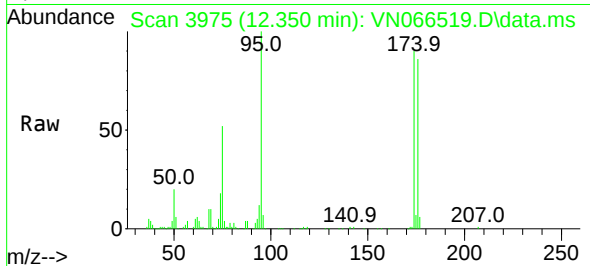
Tgt Ion: 117 Resp: 466821
Ion Ratio Lower Upper
117 100
82 54.7 44.2 66.4
119 30.9 25.8 38.6



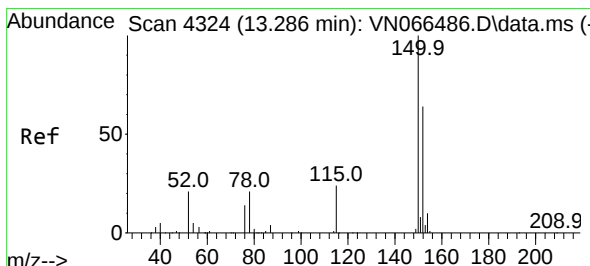
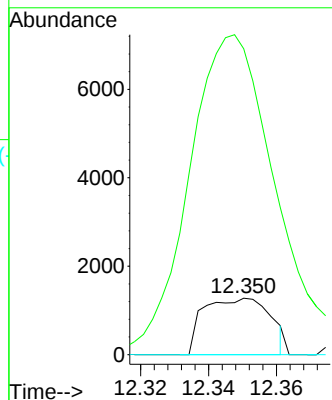
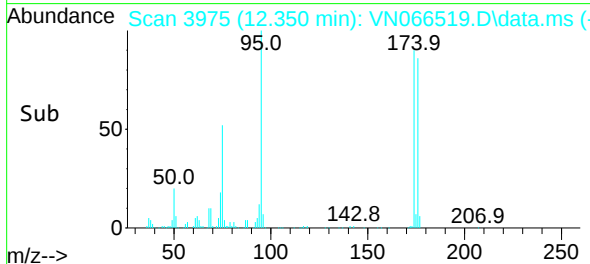


#71
Bromoform
Concen: 0.58 ug/l
RT: 12.350 min Scan# 3975
Delta R.T. 0.279 min
Lab File: VN066519.D
Acq: 7 Apr 2021 20:33

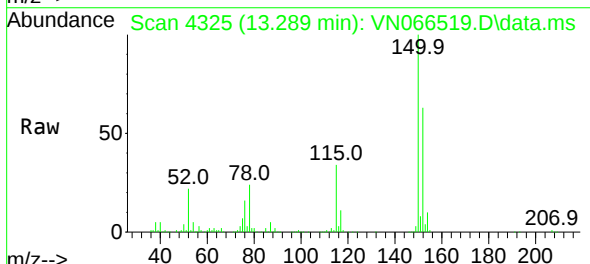
Instrument :
MSVOA_N
ClientSampleId :



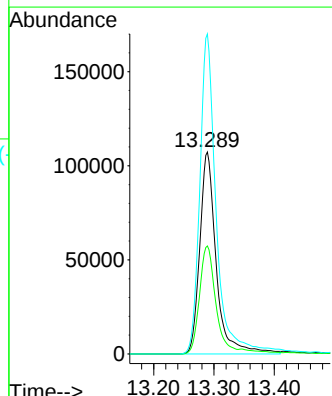
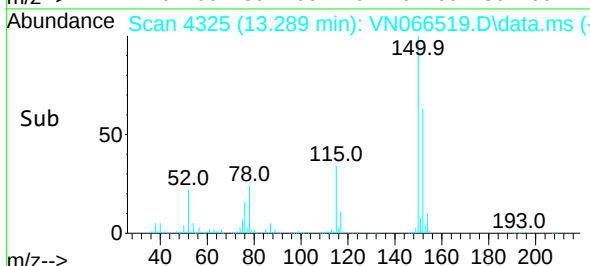
Tgt Ion:173 Resp: 1736
Ion Ratio Lower Upper
173 100
175 653.1 24.3 72.8#
254 0.0 0.0 0.0

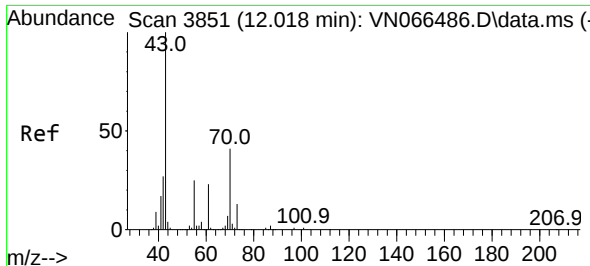


#72
1,4-Dichlorobenzene-d4
Concen: 50.00 ug/l
RT: 13.289 min Scan# 4325
Delta R.T. 0.003 min
Lab File: VN066519.D
Acq: 7 Apr 2021 20:33



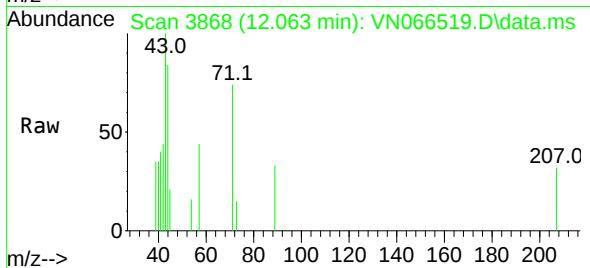
Tgt Ion:152 Resp: 204748
Ion Ratio Lower Upper
152 100
115 52.1 27.8 83.4
150 158.2 0.0 348.4





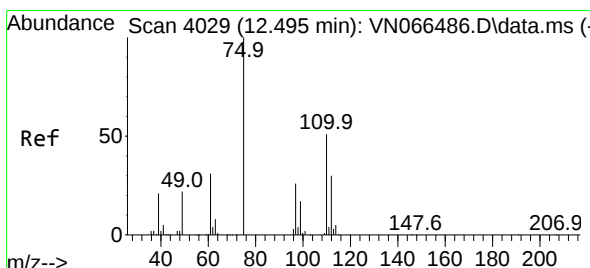
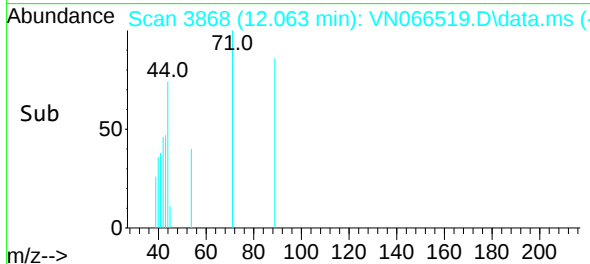
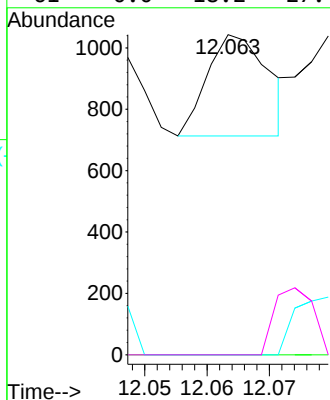
#74
N-amy1 acetate
Concen: 12.76 ug/l
RT: 12.063 min Scan# 3868
Delta R.T. 0.045 min
Lab File: VN066519.D
Acq: 7 Apr 2021 20:33

Instrument :
MSVOA_N
ClientSampleId :



Tgt Ion: 43 Resp: 223

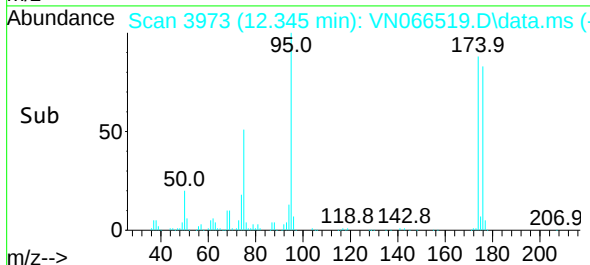
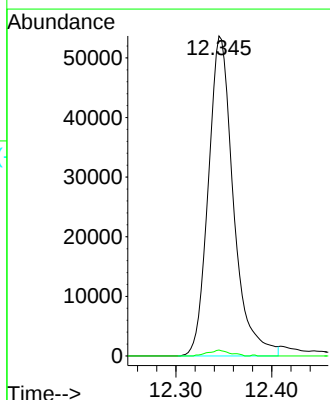
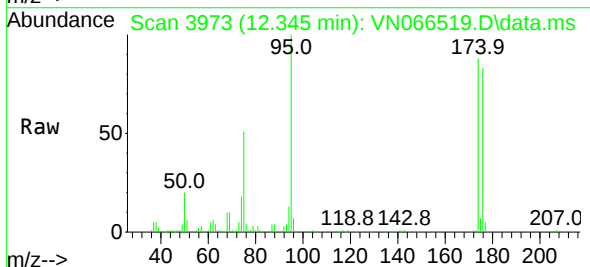
Ion	Ratio	Lower	Upper
43	100		
70	0.0	31.2	46.8#
55	0.0	18.6	28.0#
61	0.0	18.2	27.4#

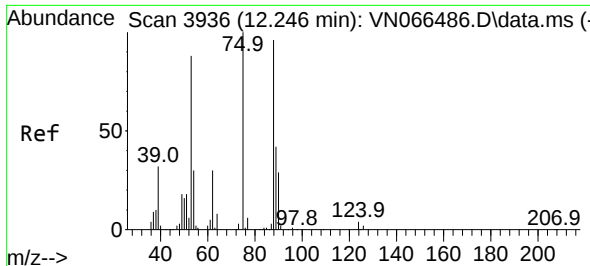


#76
1,2,3-Trichloropropane
Concen: 21.13 ug/l
RT: 12.345 min Scan# 3973
Delta R.T. -0.150 min
Lab File: VN066519.D
Acq: 7 Apr 2021 20:33

Tgt Ion: 75 Resp: 97574

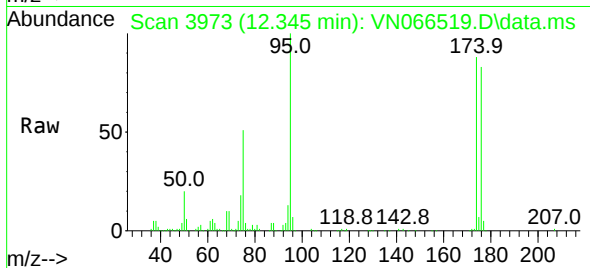
Ion	Ratio	Lower	Upper
75	100		
77	1.6	0.0	0.0#



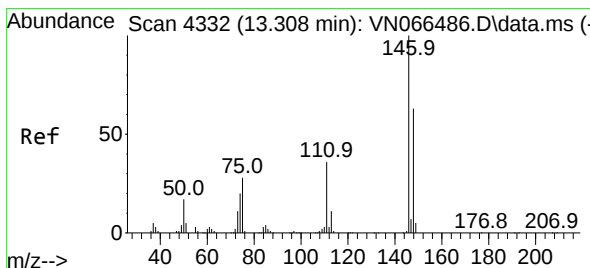
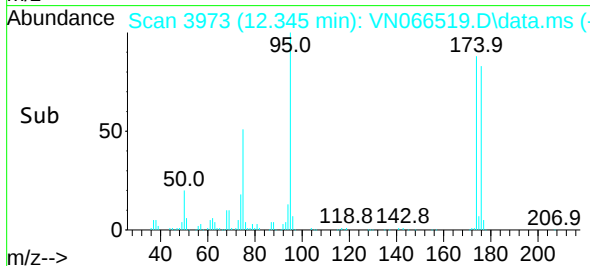
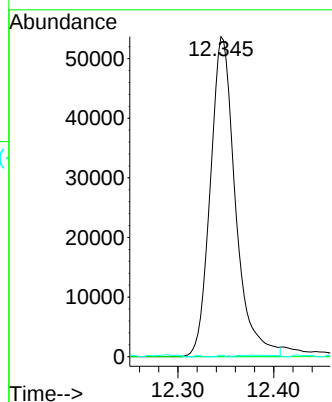


#81
trans-1,4-Dichloro-2-butene
Concen: 59.02 ug/l
RT: 12.345 min Scan# 3973
Delta R.T. 0.099 min
Lab File: VN066519.D
Acq: 7 Apr 2021 20:33

Instrument :
MSVOA_N
ClientSampleId :

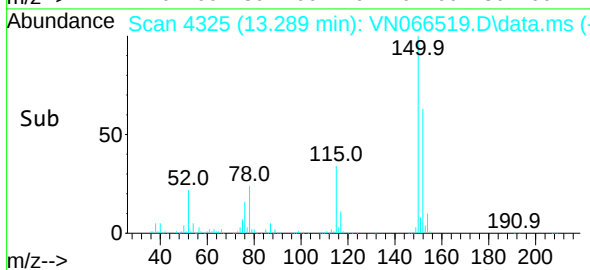
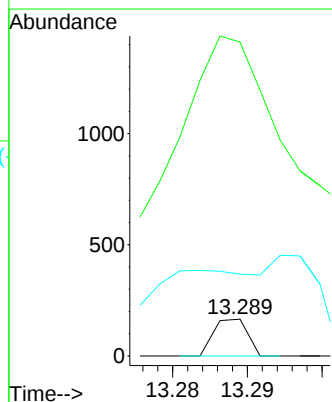
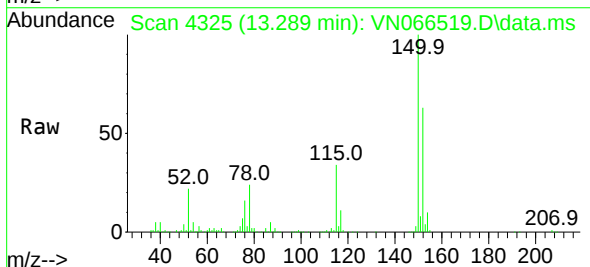


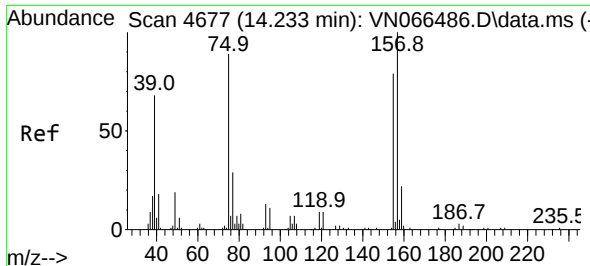
Tgt Ion: 75 Resp: 97574
Ion Ratio Lower Upper
75 100
53 0.0 76.1 114.1#
89 0.1 35.7 53.5#



#88
1,4-Dichlorobenzene
Concen: 1.01 ug/l
RT: 13.289 min Scan# 4325
Delta R.T. -0.019 min
Lab File: VN066519.D
Acq: 7 Apr 2021 20:33

Tgt Ion: 146 Resp: 52
Ion Ratio Lower Upper
146 100
111 4309.6 18.3 54.9#
148 640.4 31.9 95.9#

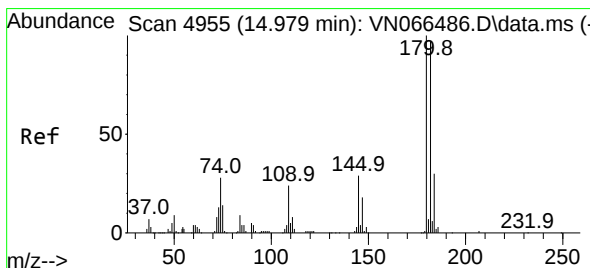
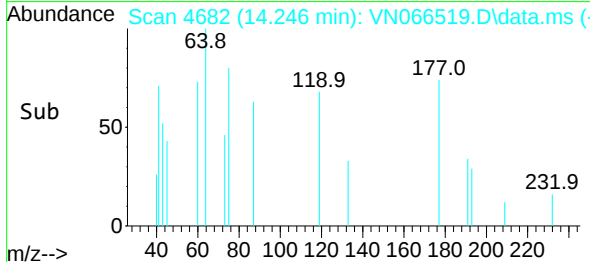
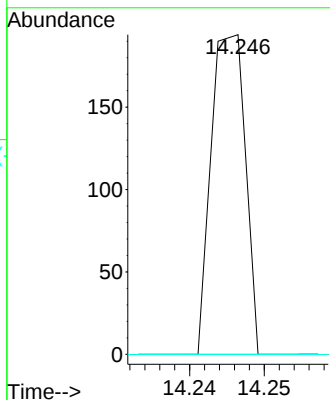
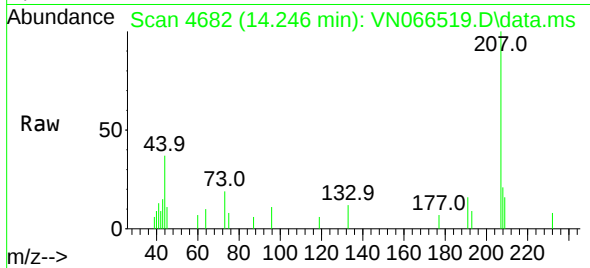




#92
 1,2-Dibromo-3-Chloropropane
 Concen: 0.39 ug/l
 RT: 14.246 min Scan# 4682
 Delta R.T. 0.013 min
 Lab File: VN066519.D
 Acq: 7 Apr 2021 20:33

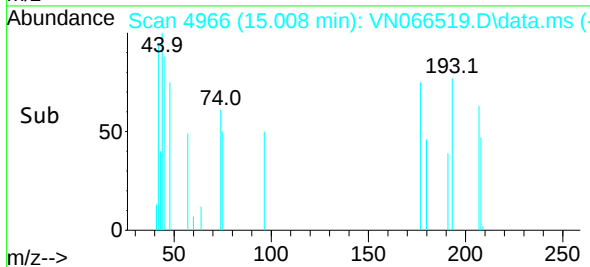
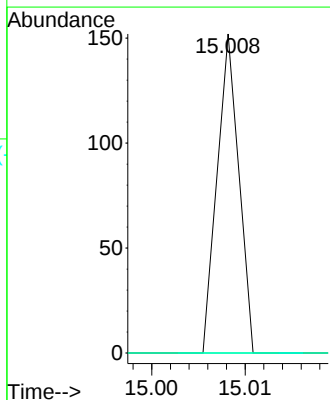
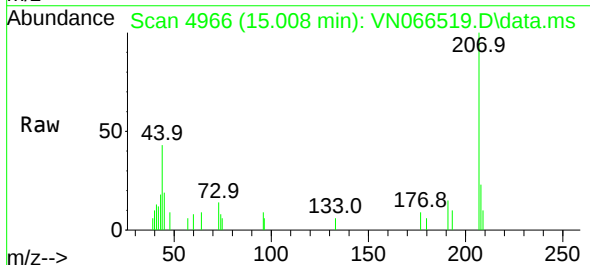
Instrument :
 MSVOA_N
 ClientSampled :

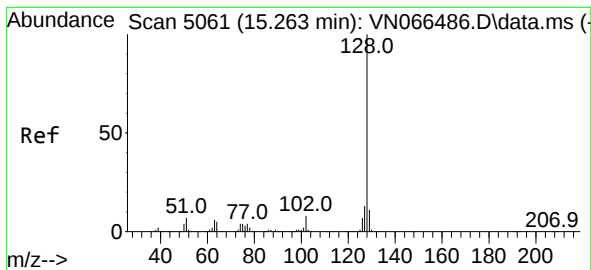
Tgt Ion: 75 Resp: 62
 Ion Ratio Lower Upper
 75 100
 155 0.0 43.8 131.3#
 157 0.0 57.6 172.8#



#93
 1,2,4-Trichlorobenzene
 Concen: 2.24 ug/l
 RT: 15.008 min Scan# 4966
 Delta R.T. 0.029 min
 Lab File: VN066519.D
 Acq: 7 Apr 2021 20:33

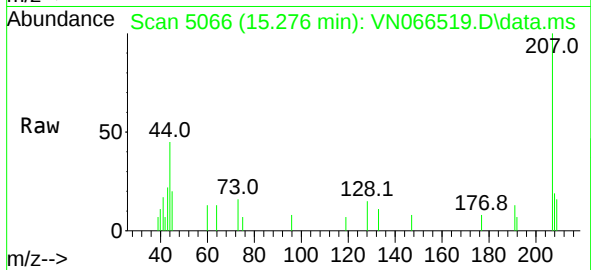
Tgt Ion: 180 Resp: 24
 Ion Ratio Lower Upper
 180 100
 182 0.0 47.4 142.3#
 145 0.0 14.2 42.8#





#95
Naphthalene
Concen: 2.02 ug/l
RT: 15.276 min Scan# 5066
Delta R.T. 0.013 min
Lab File: VN066519.D
Acq: 7 Apr 2021 20:33

Instrument :
MSVOA_N
ClientSampleId :



Tgt Ion:128 Resp: 598
Ion Ratio Lower Upper
128 100
127 0.0 10.5 15.7#
129 0.0 8.5 12.7#

