

Data Path : Z:\voasrv\HPCHEM1\MSVOA_N\Data\VN040721\
 Data File : VN066512.D
 Acq On : 7 Apr 2021 17:48
 Operator : JC/MD
 Sample : PB135583ZH#01
 Misc : 5.00mL/MSVOA_N/WATER
 ALS Vial : 7 Sample Multiplier: 1

Instrument :
 MSVOA_N
 ClientSampleId :

Quant Time: Apr 08 01:56:11 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)

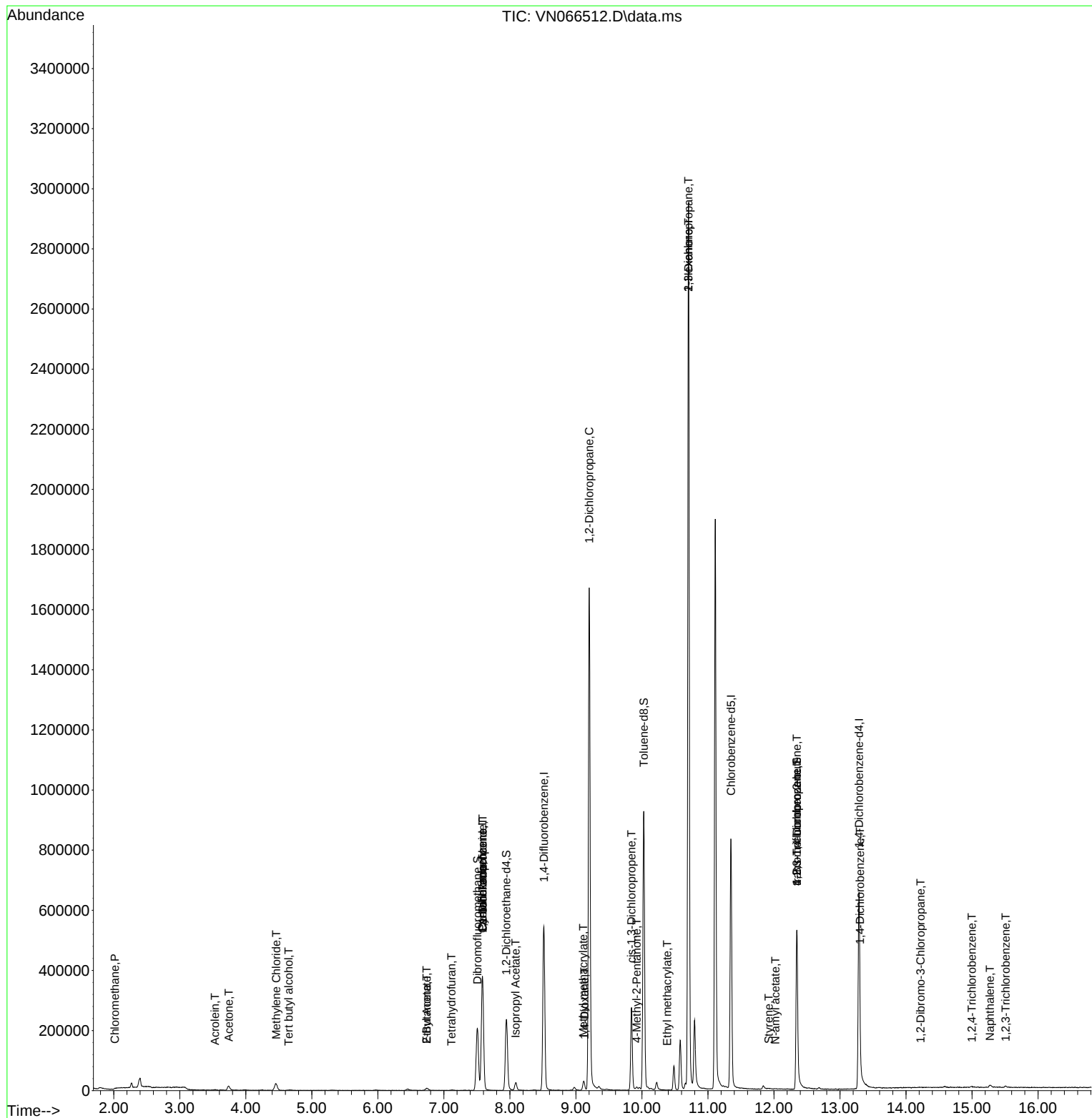
Internal Standards						
1) Pentafluorobenzene	7.584	168	324396	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	8.515	114	490457	50.00	ug/l	0.00
63) Chlorobenzene-d5	11.350	117	485342	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.289	152	214949	50.00	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	7.947	65	205518	48.11	ug/l	0.00
Spiked Amount 50.000	Range 78 - 117		Recovery =	96.22%		
35) Dibromofluoromethane	7.509	113	160101	47.89	ug/l	0.00
Spiked Amount 50.000	Range 75 - 124		Recovery =	95.78%		
50) Toluene-d8	10.028	98	626991	49.37	ug/l	0.00
Spiked Amount 50.000	Range 92 - 112		Recovery =	98.74%		
62) 4-Bromofluorobenzene	12.348	95	198608	48.22	ug/l	0.00
Spiked Amount 50.000	Range 83 - 123		Recovery =	96.44%		
Target Compounds						Qvalue
3) Chloromethane	2.019	50	1488	0.31	ug/l	95
11) Tert butyl alcohol	4.650	59	685	0.99	ug/l #	85
13) Acrolein	3.532	56	1369	7.27	ug/l	95
16) Acetone	3.744	43	22616	12.63	ug/l	97
20) Methylene Chloride	4.463	84	16874	4.39	ug/l	85
25) 2-Butanone	6.740	43	10513	3.91	ug/l	91
29) Tetrahydrofuran	7.115	42	664	0.37	ug/l #	48
31) Cyclohexane	7.584	56	6451	1.10	ug/l #	1
36) 1,1-Dichloropropene	7.587	75	23575	4.95	ug/l #	46
37) Ethyl Acetate	6.740	43	10513	1.78	ug/l #	69
38) Carbon Tetrachloride	7.587	117	29319	6.07	ug/l #	17
43) Isopropyl Acetate	8.089	43	30566	3.35	ug/l	100
45) 1,2-Dichloropropane	9.202	63	1970	0.50	ug/l #	43
48) Methyl methacrylate	9.113	41	8209	2.02	ug/l #	12
49) 1,4-Dioxane	9.132	88	25	0.45	ug/l #	1
51) 4-Methyl-2-Pentanone	9.920	43	7453	1.37	ug/l	93
54) cis-1,3-Dichloropropene	9.843	75	49567	8.15	ug/l #	62
56) Ethyl methacrylate	10.384	69	152	3.74	ug/l #	22
57) 1,3-Dichloropropane	10.704	76	29344	4.80	ug/l #	43
59) 2-Hexanone	10.706	43	423235	107.23	ug/l #	53
70) Styrene	11.921	104	163	2.79	ug/l #	36
74) N-amyl acetate	12.023	43	208	12.76	ug/l #	21
76) 1,2,3-Trichloropropane	12.348	75	101305	20.89	ug/l #	100
81) trans-1,4-Dichloro-2-b...	12.348	75	101305	58.43	ug/l #	12
88) 1,4-Dichlorobenzene	13.302	146	178	1.02	ug/l #	26
92) 1,2-Dibromo-3-Chloropr...	14.220	75	266	0.57	ug/l #	1
93) 1,2,4-Trichlorobenzene	14.997	180	1800	2.63	ug/l #	68
95) Naphthalene	15.271	128	4202	2.29	ug/l #	83
96) 1,2,3-Trichlorobenzene	15.510	180	2447	2.17	ug/l	95

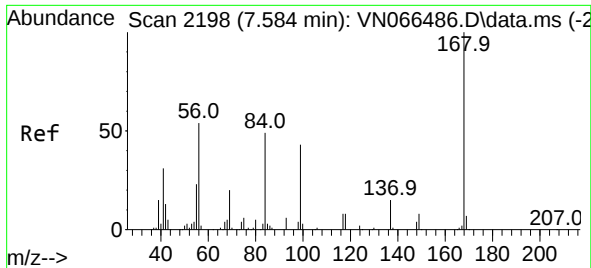
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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Instrument :
MSVOA_N
ClientSampled :

Quant Time: Apr 08 01:56:11 2021
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_N\methods\82N040621W.M
Quant Title : SW846 8260
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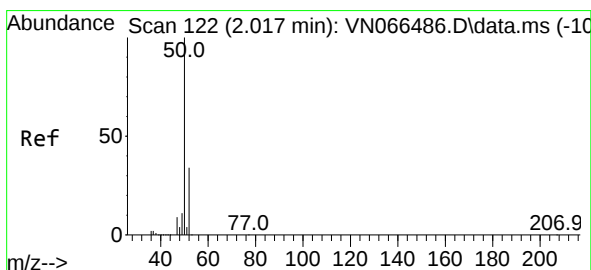
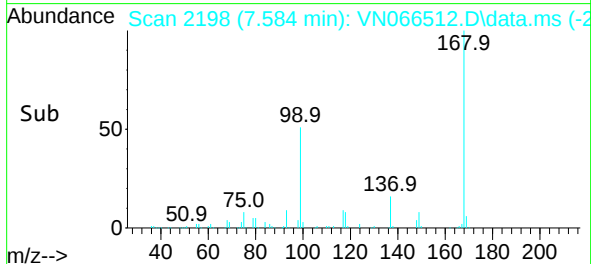
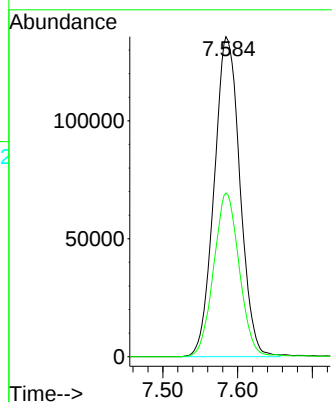
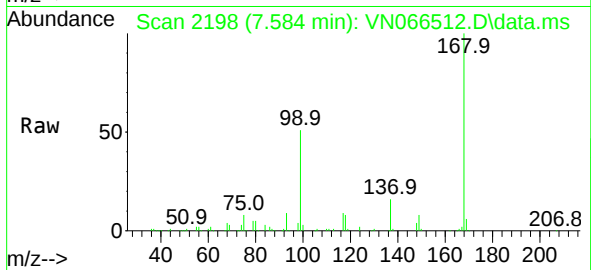




#1
Pentafluorobenzene
Concen: 50.00 ug/l
RT: 7.584 min Scan# 2198
Delta R.T. 0.000 min
Lab File: VN066512.D
Acq: 7 Apr 2021 17:48

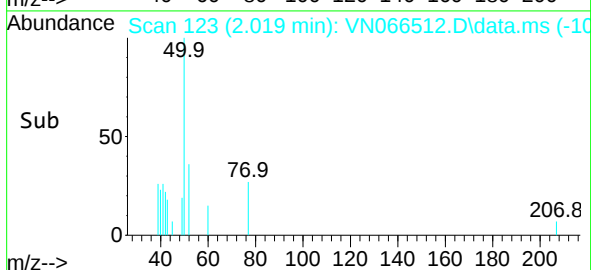
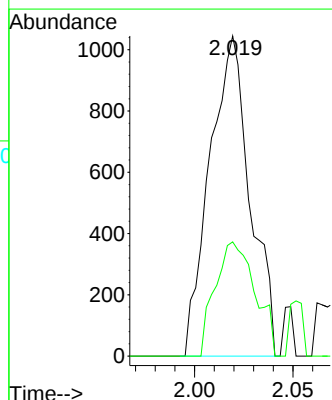
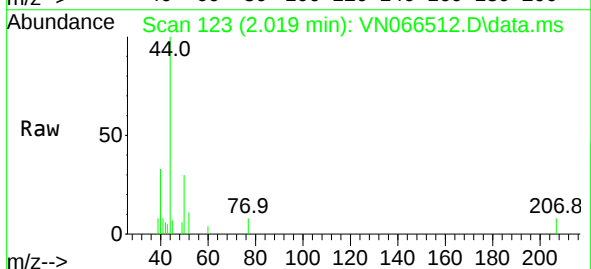
Instrument :
MSVOA_N
ClientSampled :

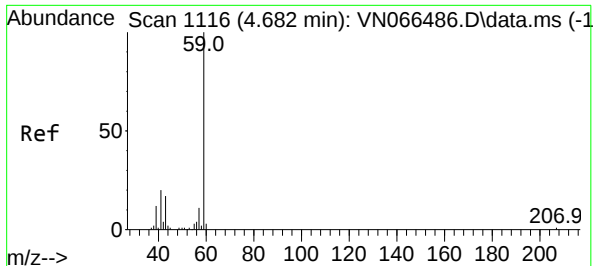
Tgt Ion:168 Resp: 324396
Ion Ratio Lower Upper
168 100
99 51.2 41.1 61.7



#3
Chloromethane
Concen: 0.31 ug/l
RT: 2.019 min Scan# 123
Delta R.T. 0.002 min
Lab File: VN066512.D
Acq: 7 Apr 2021 17:48

Tgt Ion: 50 Resp: 1488
Ion Ratio Lower Upper
50 100
52 35.7 26.2 39.2

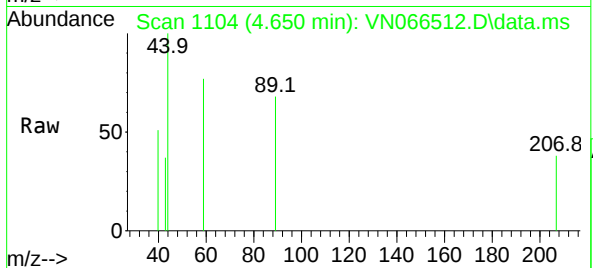




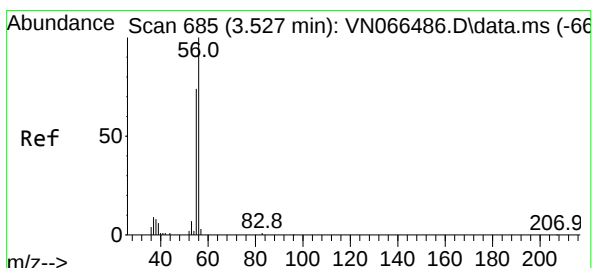
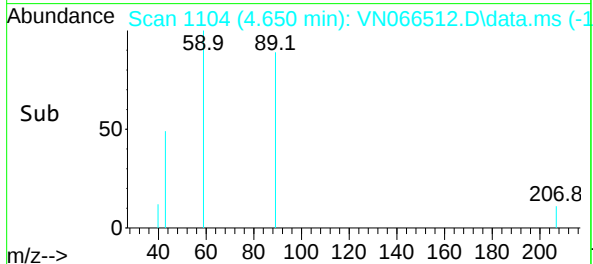
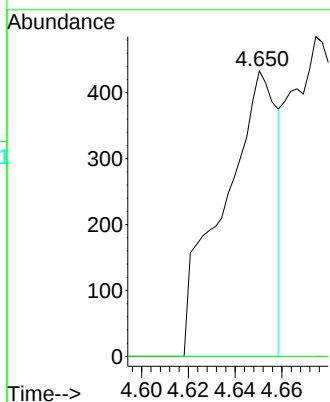
#11

Tert butyl alcohol
Concen: 0.99 ug/l
RT: 4.650 min Scan# 1104
Delta R.T. -0.032 min
Lab File: VN066512.D
Acq: 7 Apr 2021 17:48

Instrument :
MSVOA_N
ClientSampled :



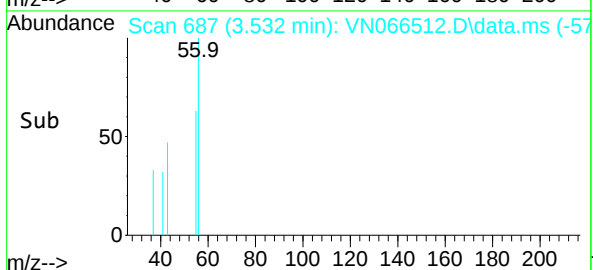
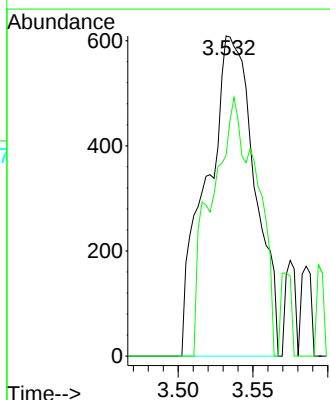
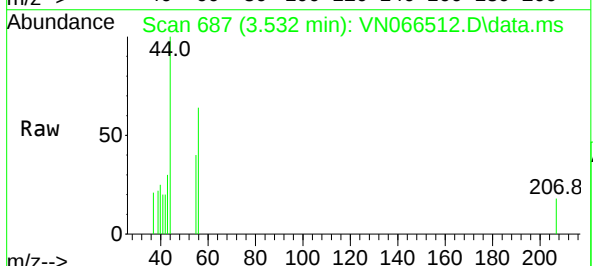
Tgt Ion: 59 Resp: 685
Ion Ratio Lower Upper
59 100
57 0.0 4.1 6.1#

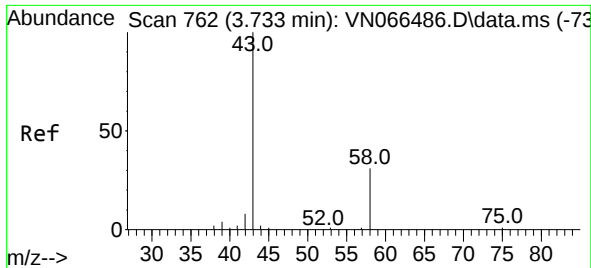


#13

Acrolein
Concen: 7.27 ug/l
RT: 3.532 min Scan# 687
Delta R.T. 0.005 min
Lab File: VN066512.D
Acq: 7 Apr 2021 17:48

Tgt Ion: 56 Resp: 1369
Ion Ratio Lower Upper
56 100
55 76.3 57.9 86.9

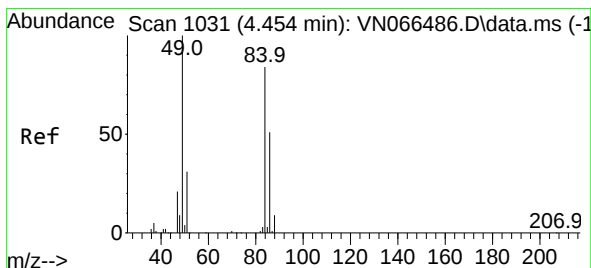
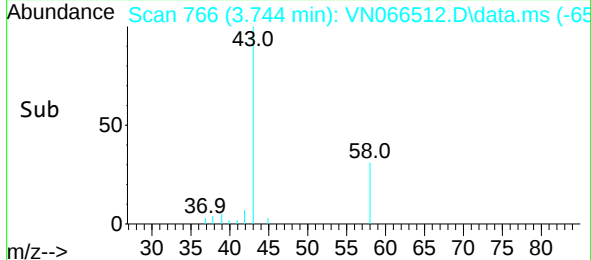
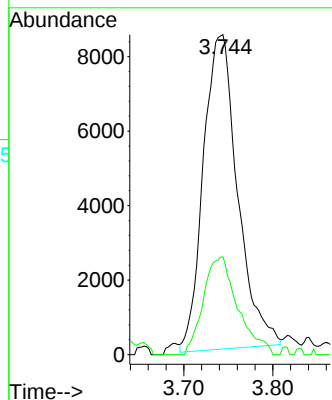
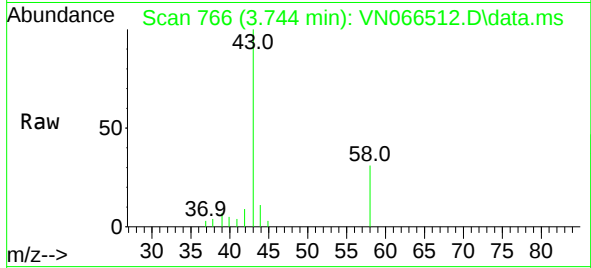




#16
Acetone
Concen: 12.63 ug/l
RT: 3.744 min Scan# 766
Delta R.T. 0.011 min
Lab File: VN066512.D
Acq: 7 Apr 2021 17:48

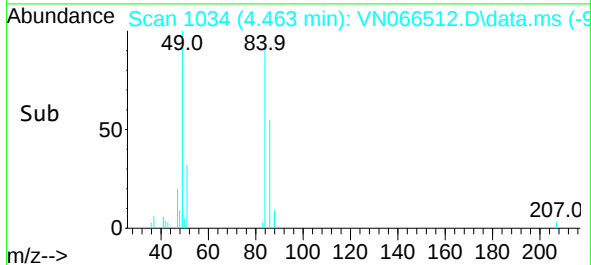
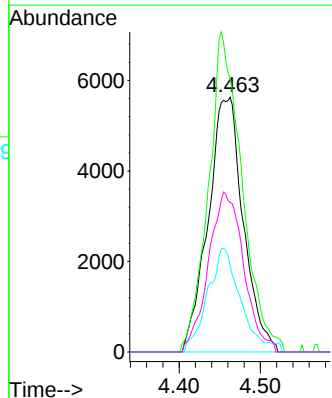
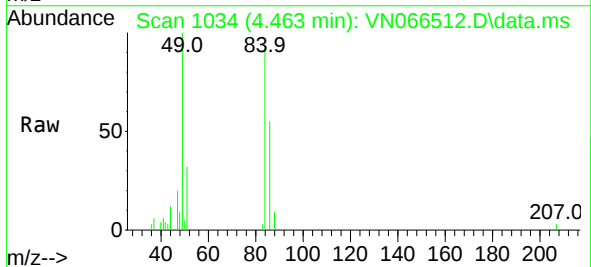
Instrument :
MSVOA_N
ClientSampled :

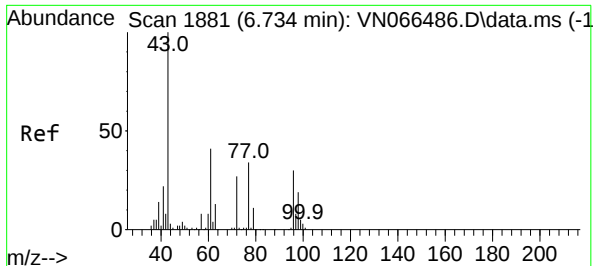
Tgt Ion: 43 Resp: 22616
Ion Ratio Lower Upper
43 100
58 31.5 23.8 35.8



#20
Methylene Chloride
Concen: 4.39 ug/l
RT: 4.463 min Scan# 1034
Delta R.T. 0.009 min
Lab File: VN066512.D
Acq: 7 Apr 2021 17:48

Tgt Ion: 84 Resp: 16874
Ion Ratio Lower Upper
84 100
49 107.5 105.0 157.6
51 33.9 31.6 47.4
86 58.7 53.0 79.6

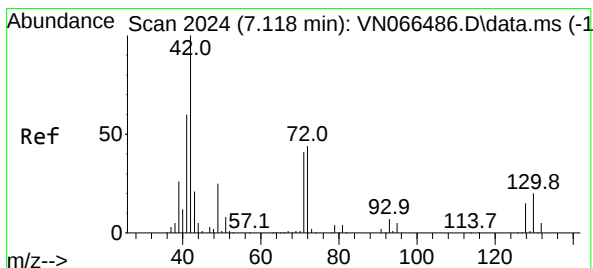
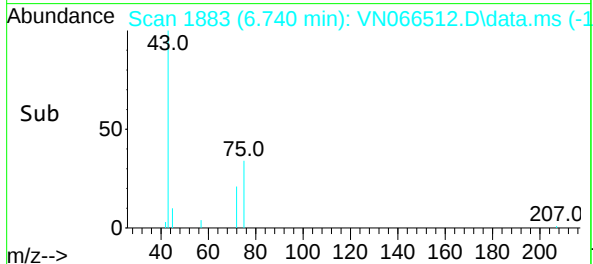
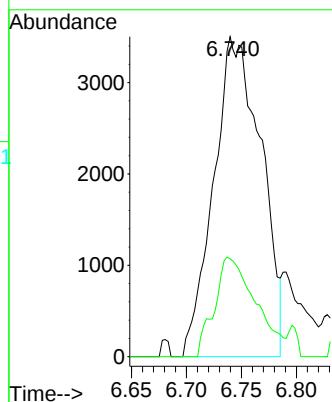
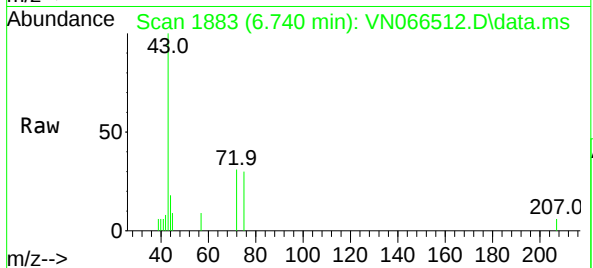




#25
2-Butanone
Concen: 3.91 ug/l
RT: 6.740 min Scan# 1883
Delta R.T. 0.006 min
Lab File: VN066512.D
Acq: 7 Apr 2021 17:48

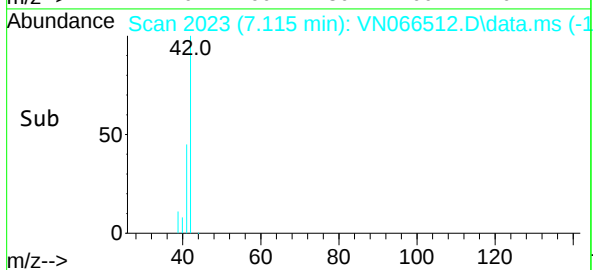
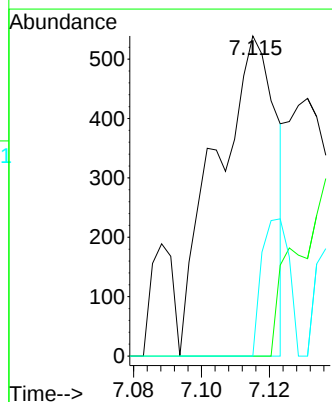
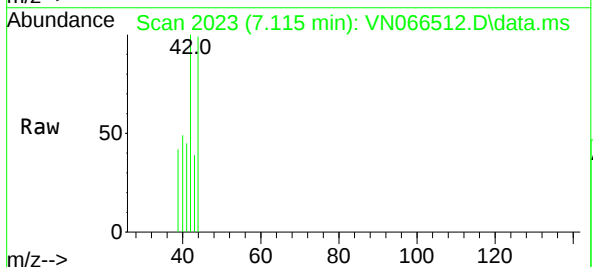
Instrument :
MSVOA_N
ClientSampleId :

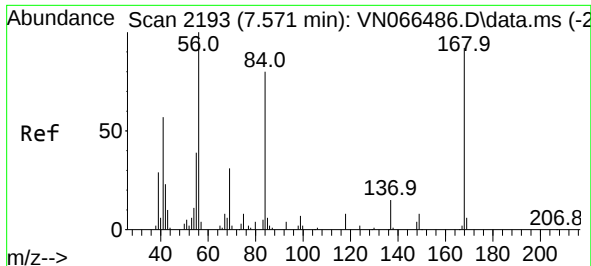
Tgt Ion: 43 Resp: 10513
Ion Ratio Lower Upper
43 100
72 30.6 20.7 31.1



#29
Tetrahydrofuran
Concen: 0.37 ug/l
RT: 7.115 min Scan# 2023
Delta R.T. -0.003 min
Lab File: VN066512.D
Acq: 7 Apr 2021 17:48

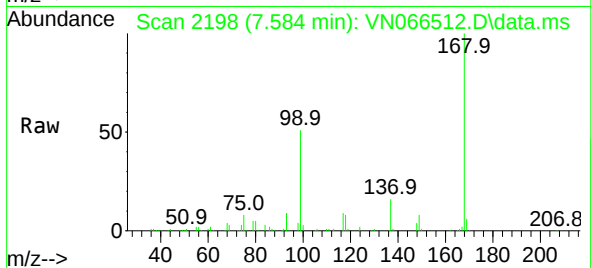
Tgt Ion: 42 Resp: 664
Ion Ratio Lower Upper
42 100
72 0.0 35.2 52.8#
71 19.4 33.1 49.7#



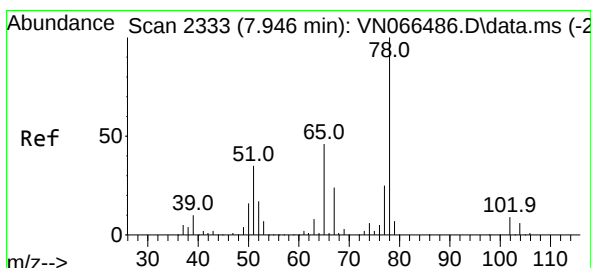
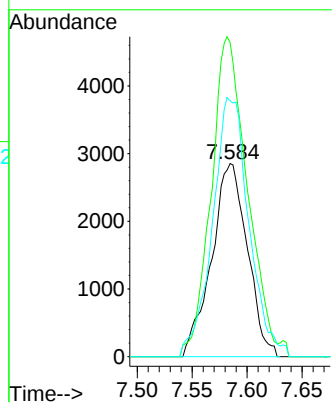
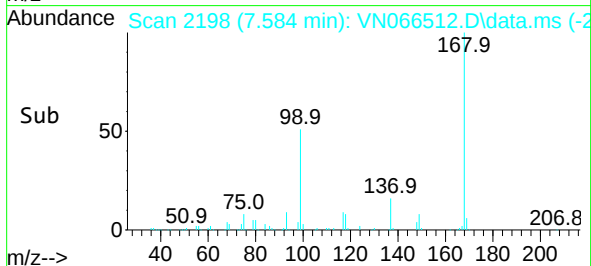


#31
Cyclohexane
Concen: 1.10 ug/l
RT: 7.584 min Scan# 2198
Delta R.T. 0.013 min
Lab File: VN066512.D
Acq: 7 Apr 2021 17:48

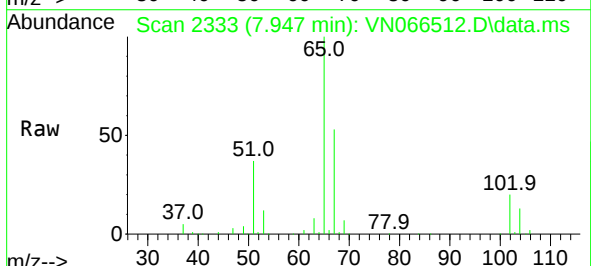
Instrument :
MSVOA_N
ClientSampled :



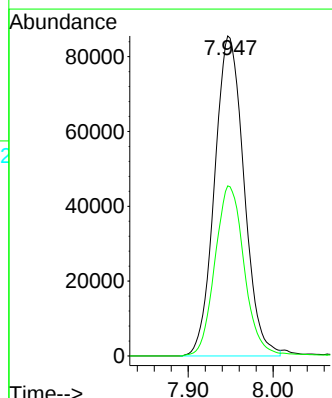
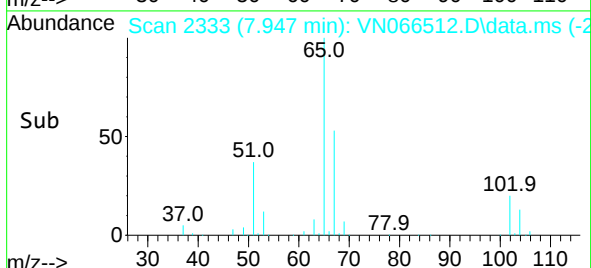
Tgt Ion: 56 Resp: 6451
Ion Ratio Lower Upper
56 100
69 162.6 26.6 40.0#
84 132.5 68.7 103.1#

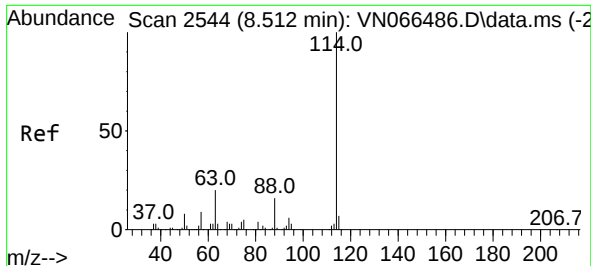


#33
1,2-Dichloroethane-d4
Concen: 48.11 ug/l
RT: 7.947 min Scan# 2333
Delta R.T. 0.001 min
Lab File: VN066512.D
Acq: 7 Apr 2021 17:48



Tgt Ion: 65 Resp: 205518
Ion Ratio Lower Upper
65 100
67 53.4 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: VN066512.D

Acq: 7 Apr 2021 17:48

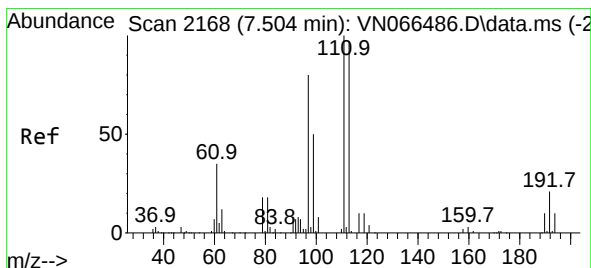
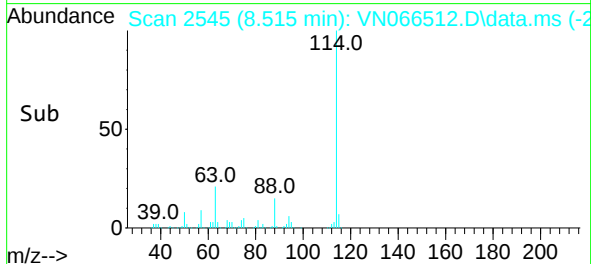
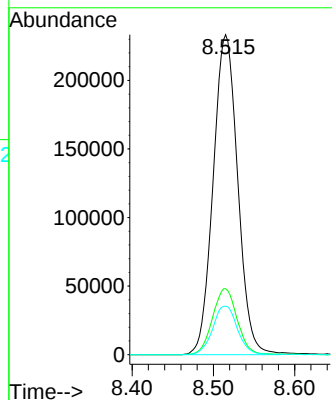
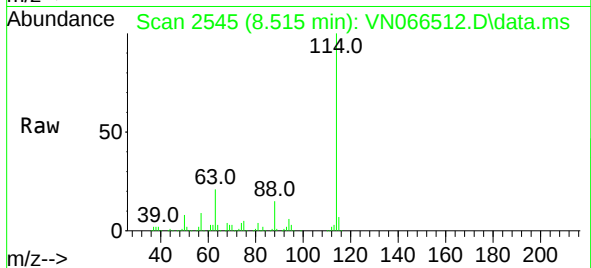
Tgt Ion:114 Resp: 490457

Ion Ratio Lower Upper

114 100

63 20.6 0.0 42.0

88 15.2 0.0 31.0



#35

Dibromofluoromethane

Concen: 47.89 ug/l

RT: 7.509 min Scan# 2170

Delta R.T. 0.005 min

Lab File: VN066512.D

Acq: 7 Apr 2021 17:48

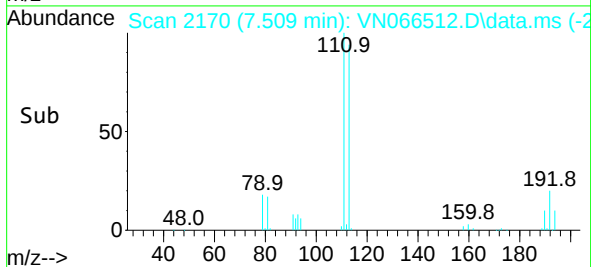
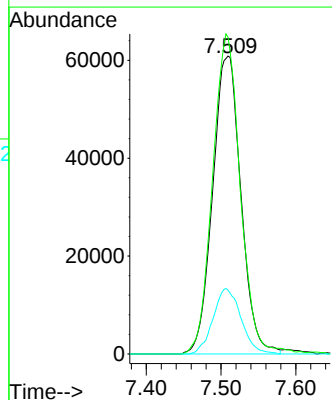
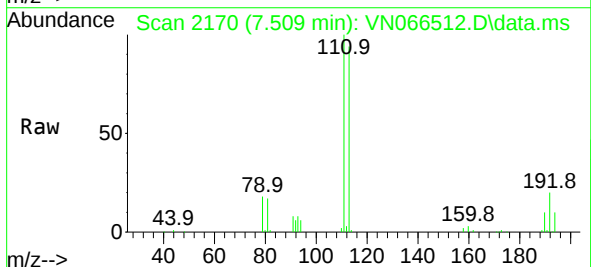
Tgt Ion:113 Resp: 160101

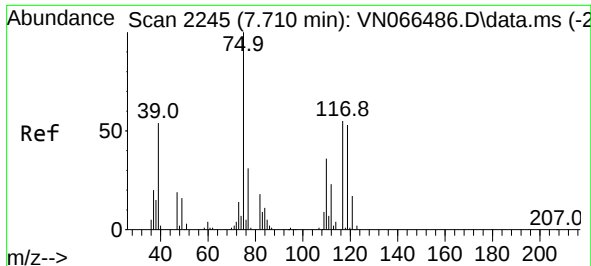
Ion Ratio Lower Upper

113 100

111 104.7 81.8 122.8

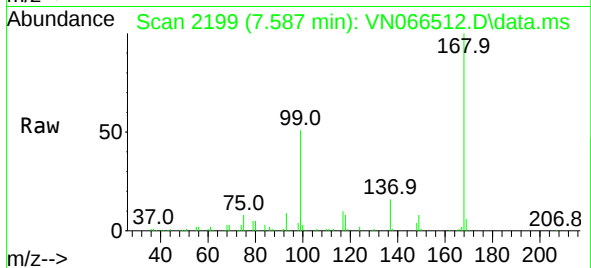
192 21.7 17.1 25.7



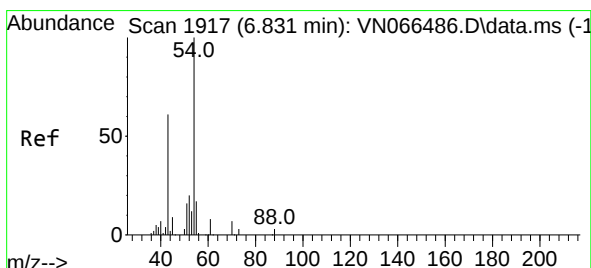
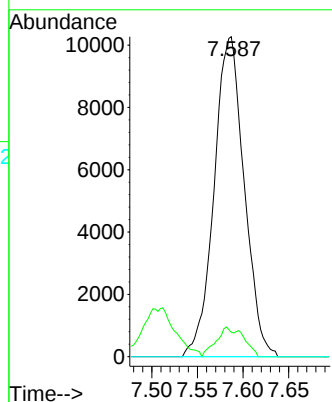
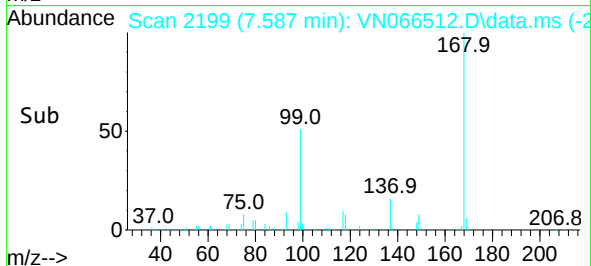


#36
 1,1-Dichloropropene
 Concen: 4.95 ug/l
 RT: 7.587 min Scan# 2199
 Delta R.T. -0.123 min
 Lab File: VN066512.D
 Acq: 7 Apr 2021 17:48

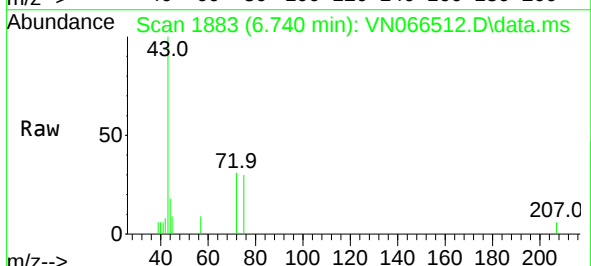
Instrument :
 MSVOA_N
 ClientSampled :



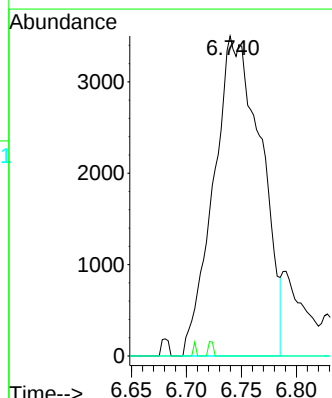
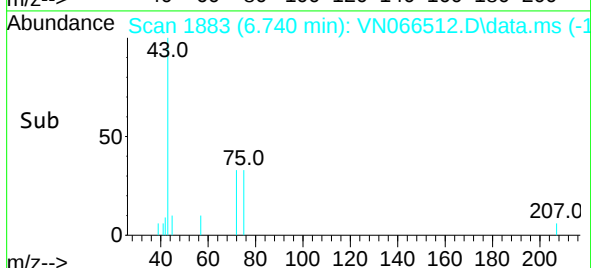
Tgt Ion: 75 Resp: 23575
 Ion Ratio Lower Upper
 75 100
 110 5.1 18.1 54.3#
 77 0.0 25.0 37.4#

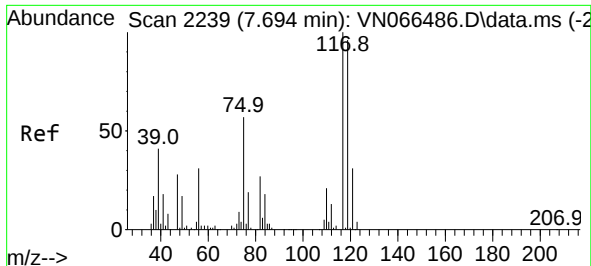


#37
 Ethyl Acetate
 Concen: 1.78 ug/l
 RT: 6.740 min Scan# 1883
 Delta R.T. -0.091 min
 Lab File: VN066512.D
 Acq: 7 Apr 2021 17:48



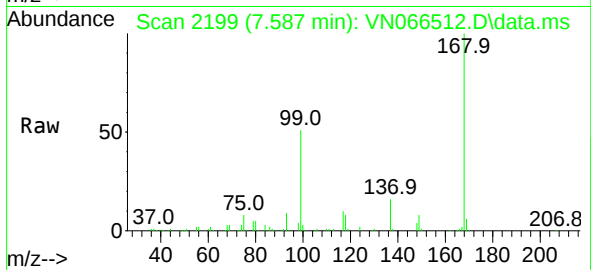
Tgt Ion: 43 Resp: 10513
 Ion Ratio Lower Upper
 43 100
 61 0.5 11.1 16.7#
 70 0.0 8.0 12.0#



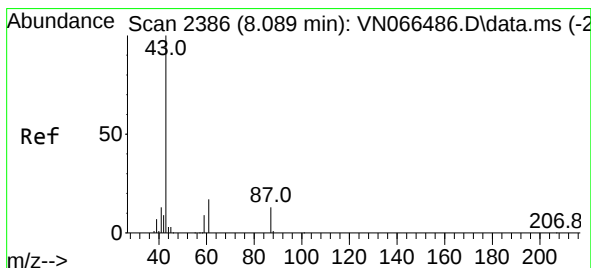
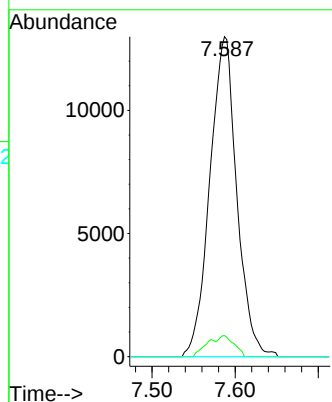
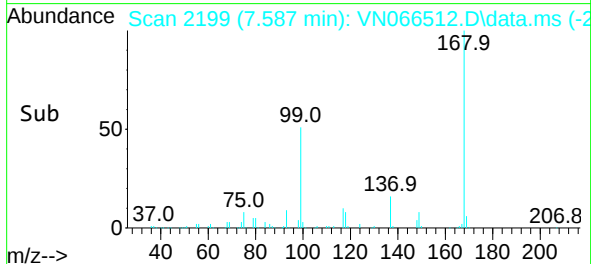


#38
Carbon Tetrachloride
Concen: 6.07 ug/l
RT: 7.587 min Scan# 2199
Delta R.T. -0.107 min
Lab File: VN066512.D
Acq: 7 Apr 2021 17:48

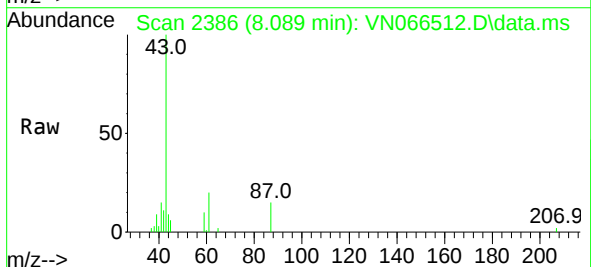
Instrument :
MSVOA_N
ClientSampled :



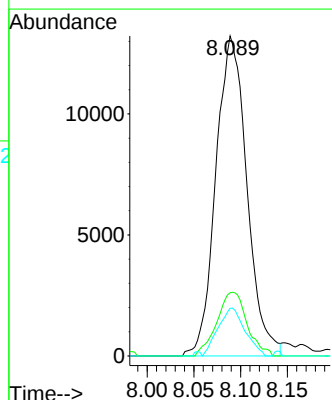
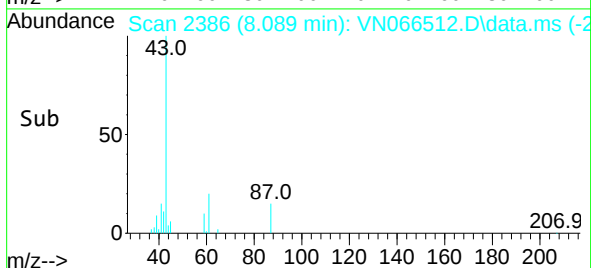
Tgt Ion:117 Resp: 29319
Ion Ratio Lower Upper
117 100
119 6.6 77.2 115.8#
121 0.0 24.2 36.4#

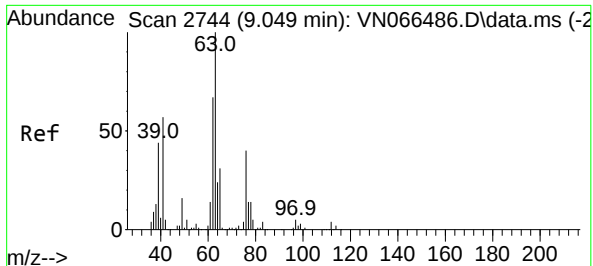


#43
Isopropyl Acetate
Concen: 3.35 ug/l
RT: 8.089 min Scan# 2386
Delta R.T. -0.000 min
Lab File: VN066512.D
Acq: 7 Apr 2021 17:48



Tgt Ion: 43 Resp: 30566
Ion Ratio Lower Upper
43 100
61 19.4 15.5 23.3
87 13.0 10.5 15.7

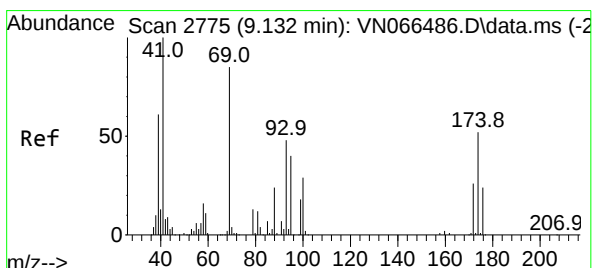
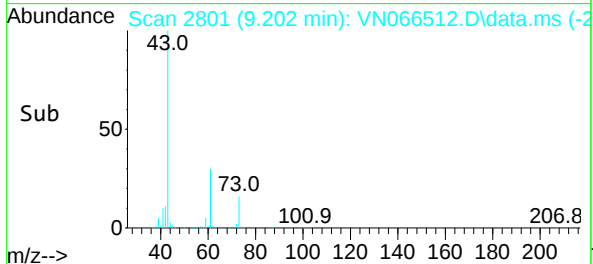
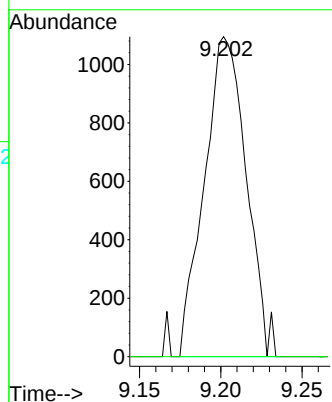
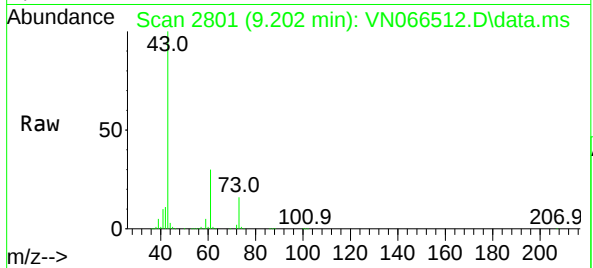




#45
1,2-Dichloropropane
Concen: 0.50 ug/l
RT: 9.202 min Scan# 2801
Delta R.T. 0.153 min
Lab File: VN066512.D
Acq: 7 Apr 2021 17:48

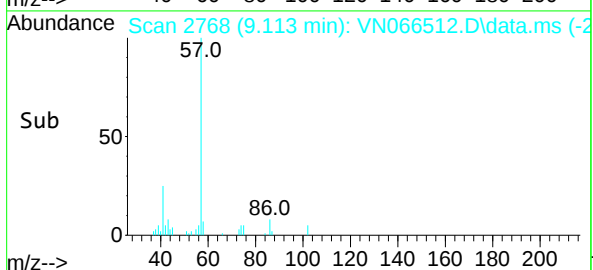
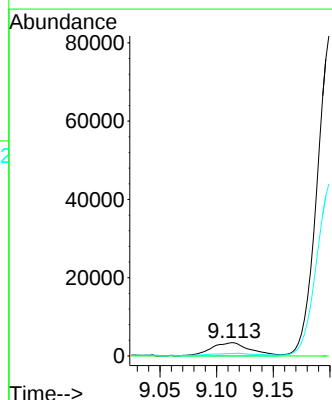
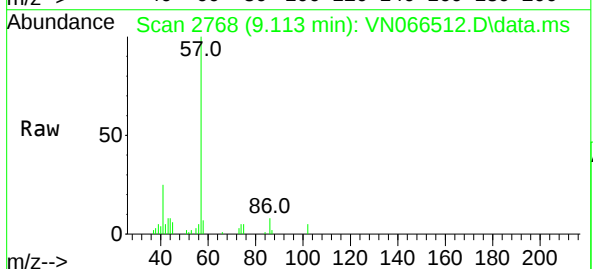
Instrument :
MSVOA_N
ClientSampled :

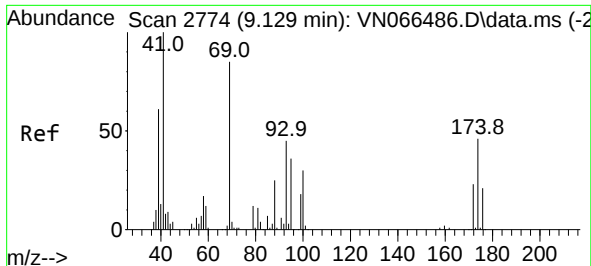
Tgt Ion: 63 Resp: 1970
Ion Ratio Lower Upper
63 100
65 0.0 25.5 38.3#



#48
Methyl methacrylate
Concen: 2.02 ug/l
RT: 9.113 min Scan# 2768
Delta R.T. -0.019 min
Lab File: VN066512.D
Acq: 7 Apr 2021 17:48

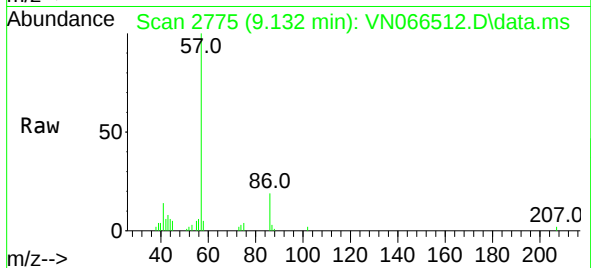
Tgt Ion: 41 Resp: 8209
Ion Ratio Lower Upper
41 100
69 0.0 66.2 99.4#
39 0.0 51.5 77.3#



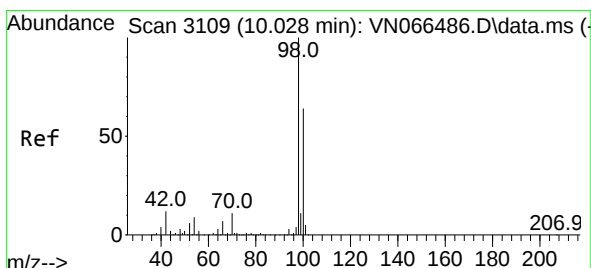
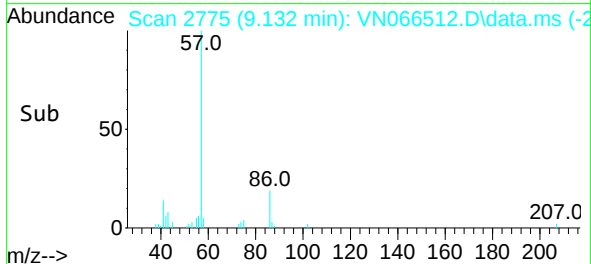
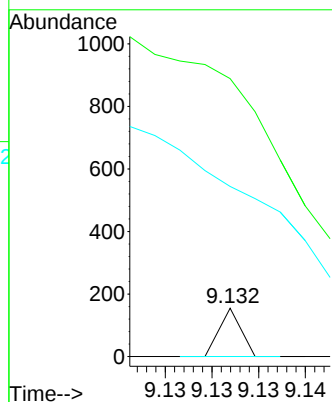


#49
1,4-Dioxane
Concen: 0.45 ug/l
RT: 9.132 min Scan# 2775
Delta R.T. 0.003 min
Lab File: VN066512.D
Acq: 7 Apr 2021 17:48

Instrument :
MSVOA_N
ClientSampled :

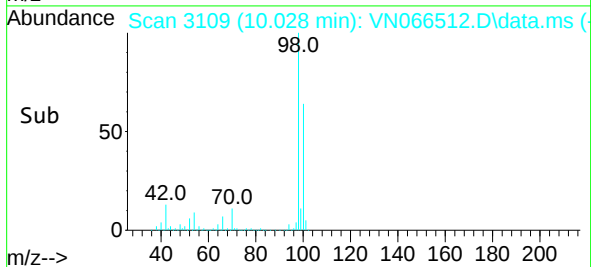
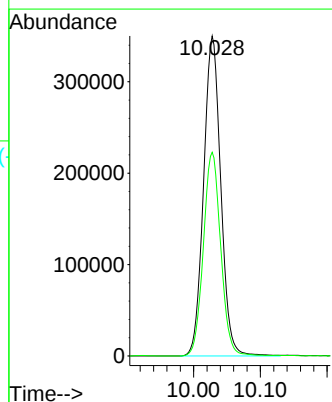
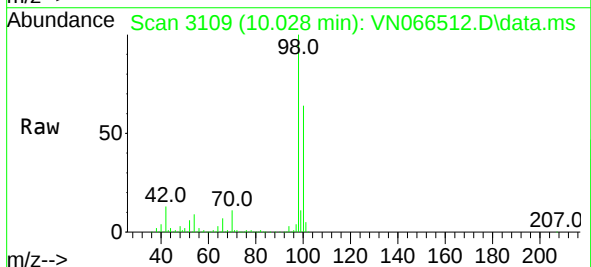


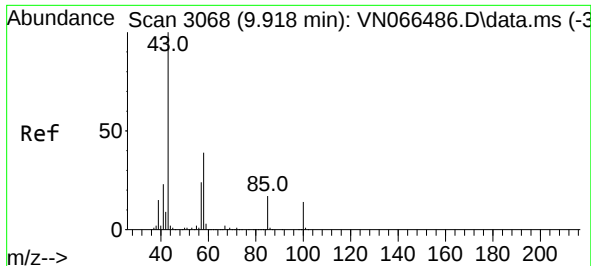
Tgt Ion: 88 Resp: 25
Ion Ratio Lower Upper
88 100
43 0.0 28.2 42.4#
58 8308.0 56.6 84.8#



#50
Toluene-d8
Concen: 49.37 ug/l
RT: 10.028 min Scan# 3109
Delta R.T. -0.000 min
Lab File: VN066512.D
Acq: 7 Apr 2021 17:48

Tgt Ion: 98 Resp: 626991
Ion Ratio Lower Upper
98 100
100 64.1 50.5 75.7

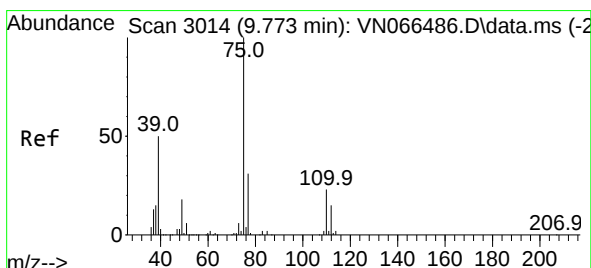
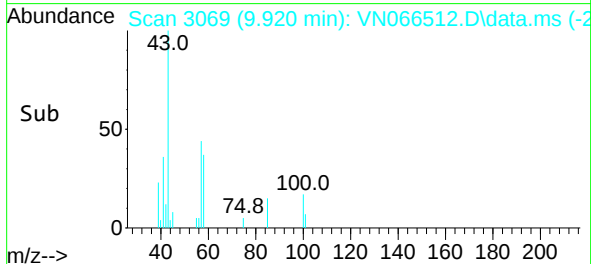
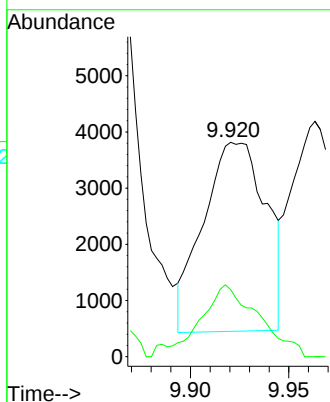
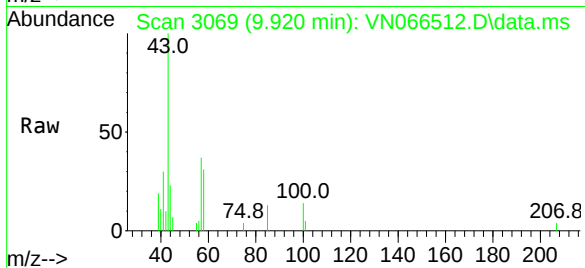




#51
4-Methyl-2-Pentanone
Concen: 1.37 ug/l
RT: 9.920 min Scan# 3069
Delta R.T. 0.002 min
Lab File: VN066512.D
Acq: 7 Apr 2021 17:48

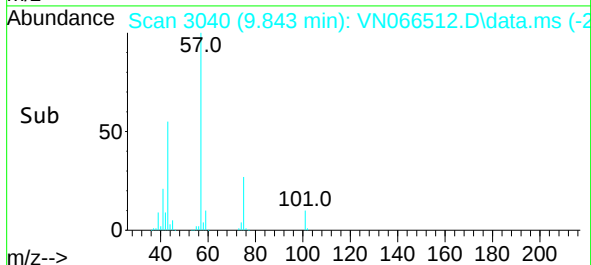
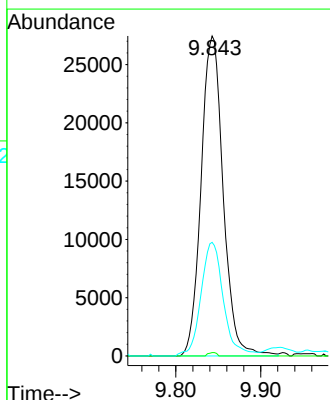
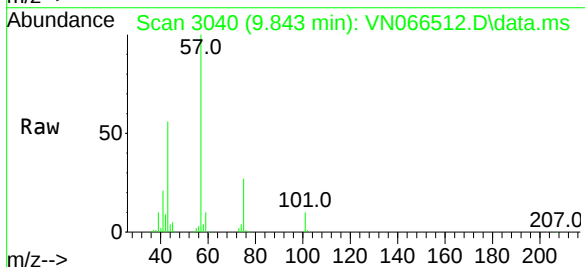
Instrument :
MSVOA_N
ClientSampled :

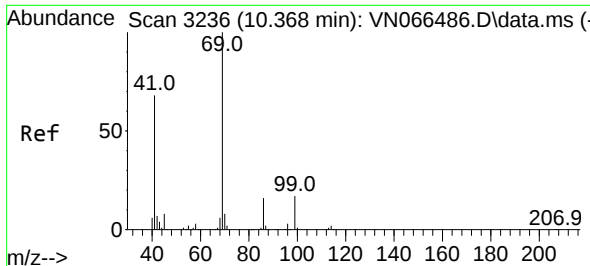
Tgt Ion: 43 Resp: 7453
Ion Ratio Lower Upper
43 100
58 34.5 30.8 46.2



#54
cis-1,3-Dichloropropene
Concen: 8.15 ug/l
RT: 9.843 min Scan# 3040
Delta R.T. 0.070 min
Lab File: VN066512.D
Acq: 7 Apr 2021 17:48

Tgt Ion: 75 Resp: 49567
Ion Ratio Lower Upper
75 100
77 1.0 25.4 38.2#
39 34.9 44.2 66.4#

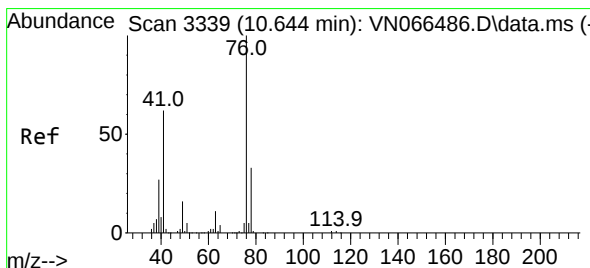
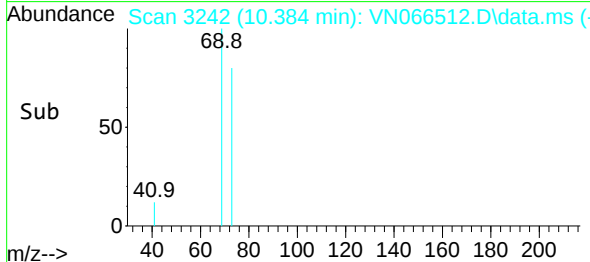
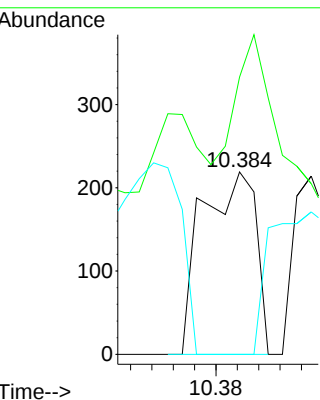
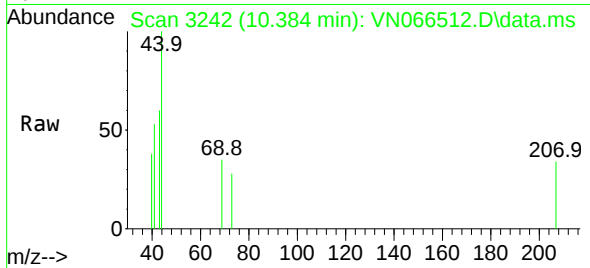




#56
Ethyl methacrylate
Concen: 3.74 ug/l
RT: 10.384 min Scan# 3242
Delta R.T. 0.016 min
Lab File: VN066512.D
Acq: 7 Apr 2021 17:48

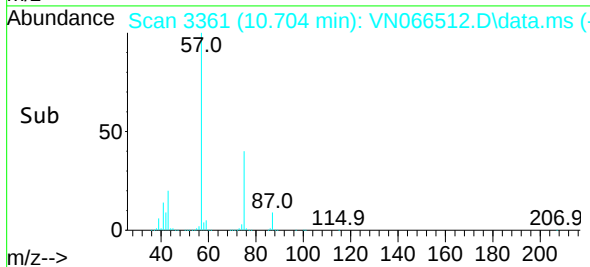
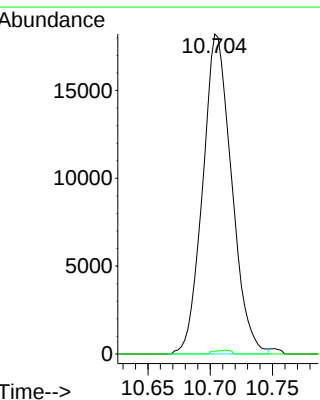
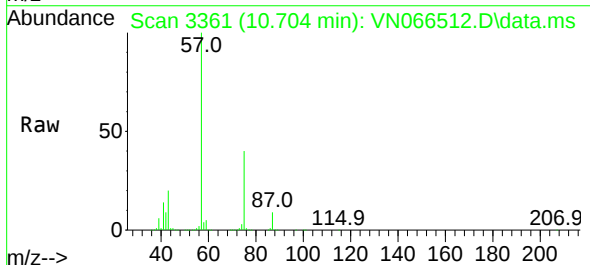
Instrument :
MSVOA_N
ClientSampleId :

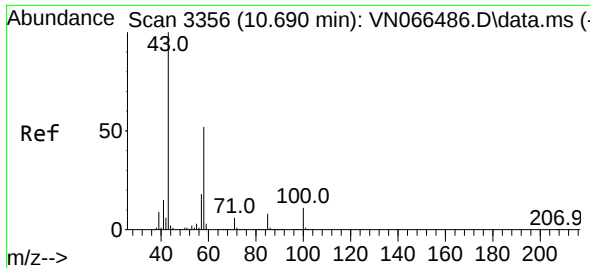
Tgt Ion: 69 Resp: 152
Ion Ratio Lower Upper
69 100
41 0.0 55.3 82.9#
39 0.0 33.8 50.6#



#57
1,3-Dichloropropane
Concen: 4.80 ug/l
RT: 10.704 min Scan# 3361
Delta R.T. 0.060 min
Lab File: VN066512.D
Acq: 7 Apr 2021 17:48

Tgt Ion: 76 Resp: 29344
Ion Ratio Lower Upper
76 100
78 0.7 25.9 38.9#

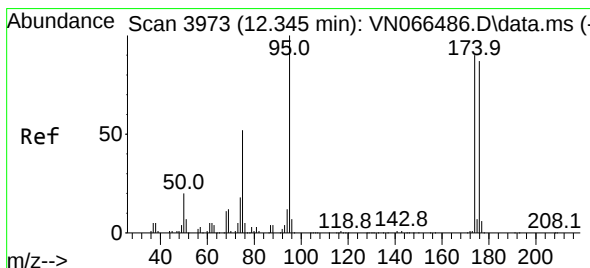
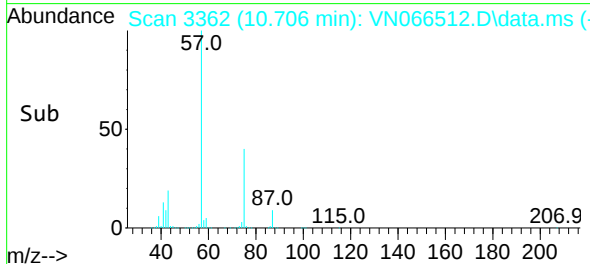
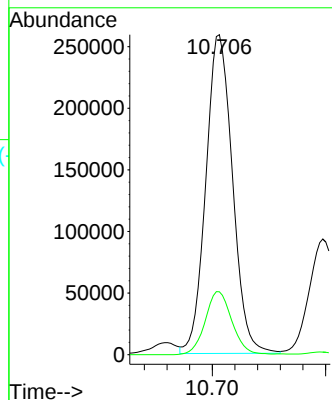
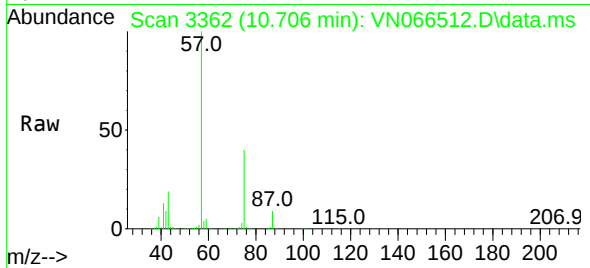




#59
2-Hexanone
Concen: 107.23 ug/l
RT: 10.706 min Scan# 3362
Delta R.T. 0.016 min
Lab File: VN066512.D
Acq: 7 Apr 2021 17:48

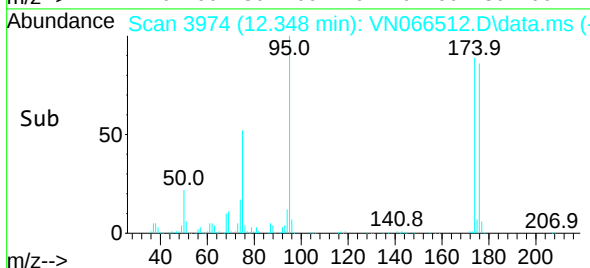
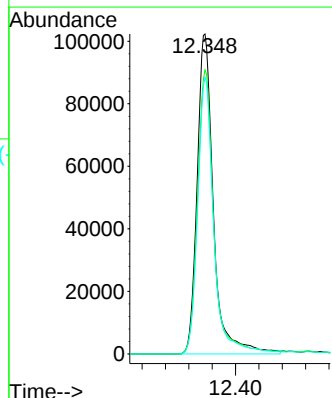
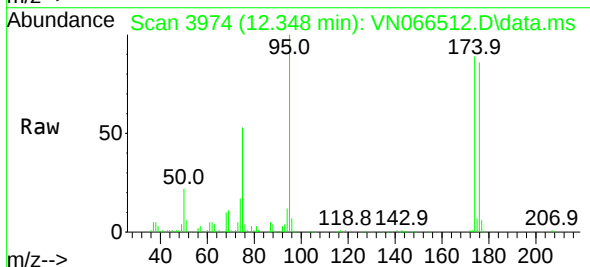
Instrument :
MSVOA_N
ClientSampleId :

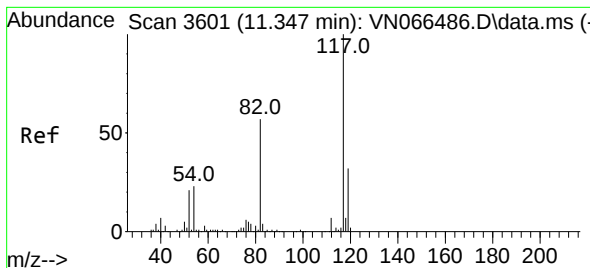
Tgt Ion: 43 Resp: 423235
Ion Ratio Lower Upper
43 100
58 19.9 26.6 79.8#



#62
4-Bromofluorobenzene
Concen: 48.22 ug/l
RT: 12.348 min Scan# 3974
Delta R.T. 0.003 min
Lab File: VN066512.D
Acq: 7 Apr 2021 17:48

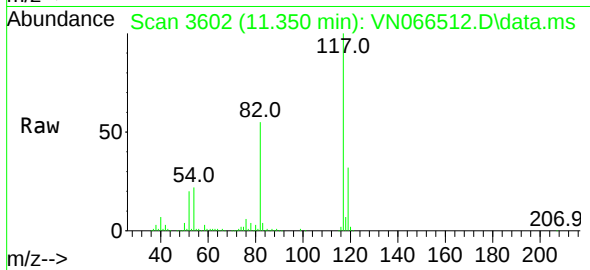
Tgt Ion: 95 Resp: 198608
Ion Ratio Lower Upper
95 100
174 88.2 0.0 172.2
176 85.2 0.0 167.8



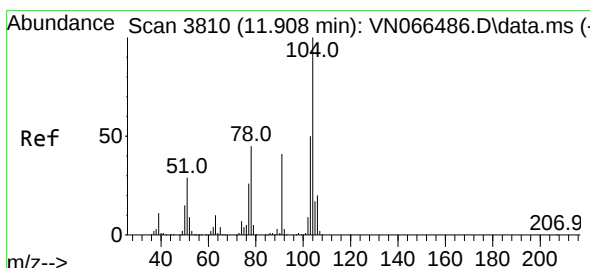
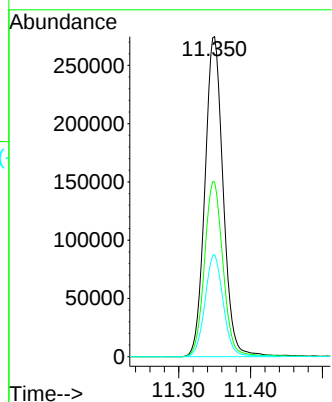
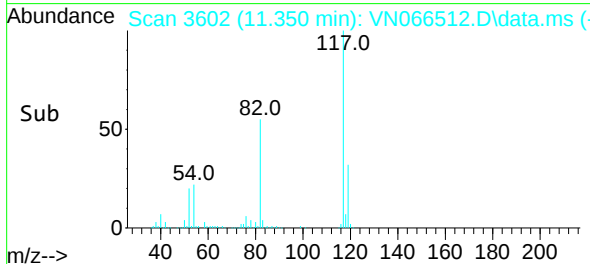


#63
Chlorobenzene-d5
Concen: 50.00 ug/l
RT: 11.350 min Scan# 3602
Delta R.T. 0.003 min
Lab File: VN066512.D
Acq: 7 Apr 2021 17:48

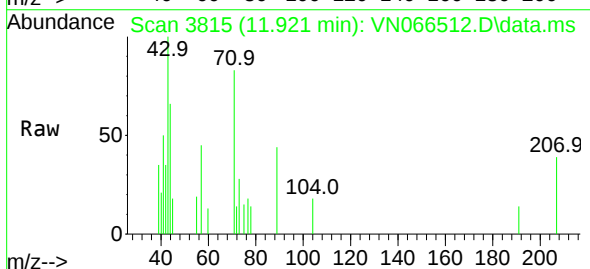
Instrument :
MSVOA_N
ClientSampled :



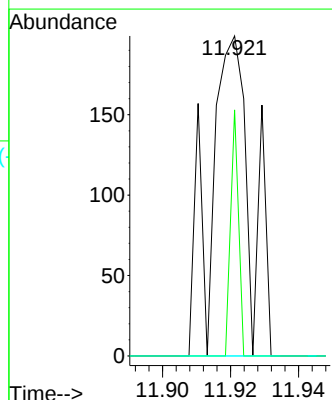
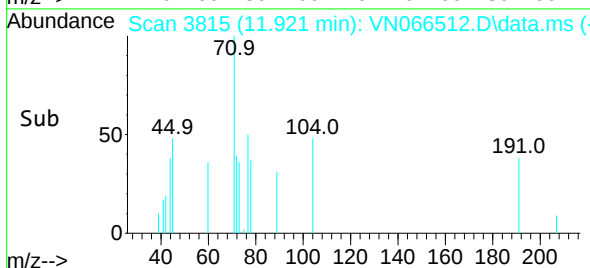
Tgt Ion:117 Resp: 485342
Ion Ratio Lower Upper
117 100
82 54.6 44.2 66.4
119 31.9 25.8 38.6

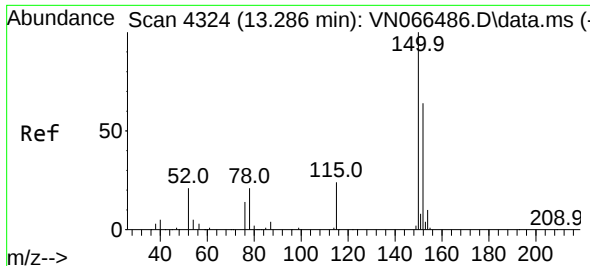


#70
Styrene
Concen: 2.79 ug/l
RT: 11.921 min Scan# 3815
Delta R.T. 0.013 min
Lab File: VN066512.D
Acq: 7 Apr 2021 17:48



Tgt Ion:104 Resp: 163
Ion Ratio Lower Upper
104 100
78 15.3 40.7 61.1#
103 0.0 44.2 66.2#

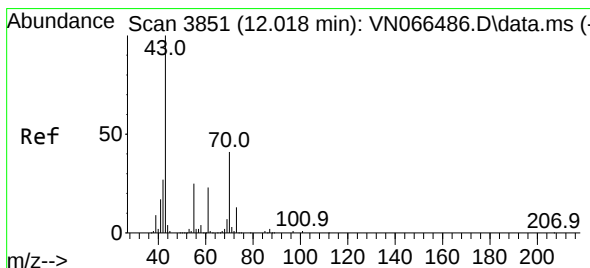
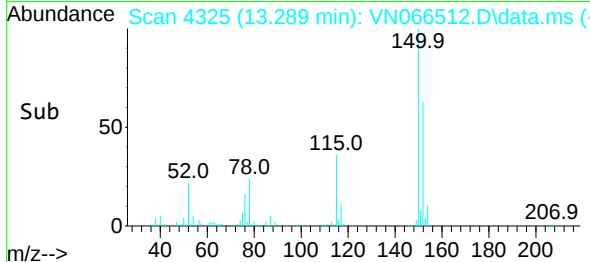
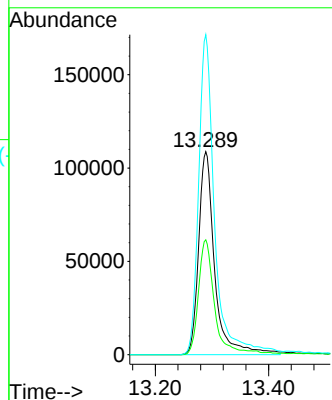
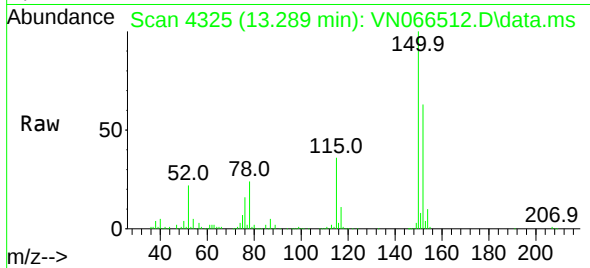




#72
1,4-Dichlorobenzene-d4
Concen: 50.00 ug/l
RT: 13.289 min Scan# 4325
Delta R.T. 0.003 min
Lab File: VN066512.D
Acq: 7 Apr 2021 17:48

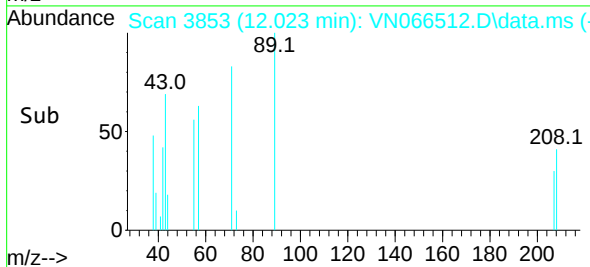
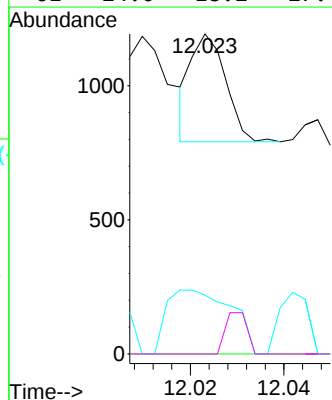
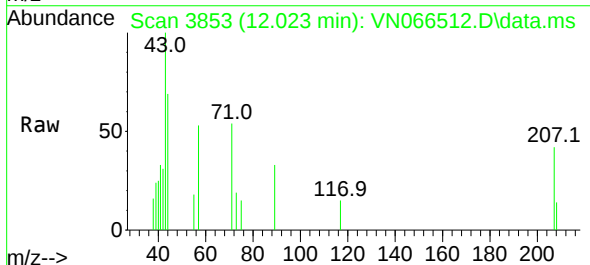
Instrument :
MSVOA_N
ClientSampleId :

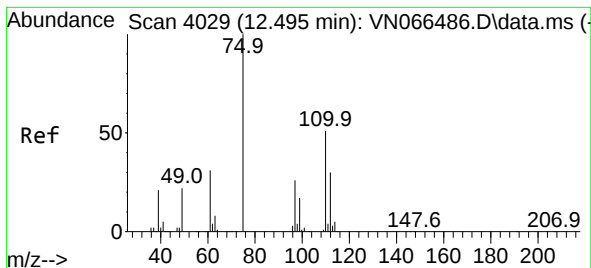
Tgt Ion:152 Resp: 214949
Ion Ratio Lower Upper
152 100
115 56.6 27.8 83.4
150 156.8 0.0 348.4



#74
N-ethyl acetate
Concen: 12.76 ug/l
RT: 12.023 min Scan# 3853
Delta R.T. 0.005 min
Lab File: VN066512.D
Acq: 7 Apr 2021 17:48

Tgt Ion: 43 Resp: 208
Ion Ratio Lower Upper
43 100
70 0.0 31.2 46.8#
55 110.6 18.6 28.0#
61 24.0 18.2 27.4





#76

1,2,3-Trichloropropane

Concen: 20.89 ug/l

RT: 12.348 min Scan# 3974

Delta R.T. -0.147 min

Lab File: VN066512.D

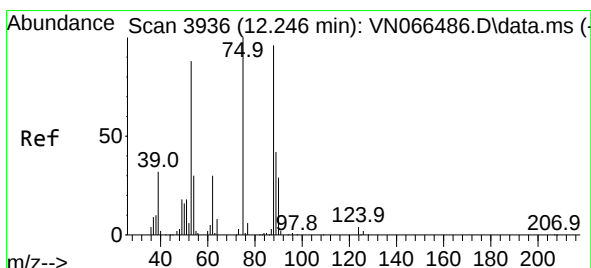
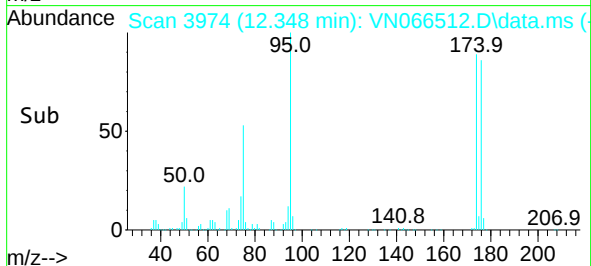
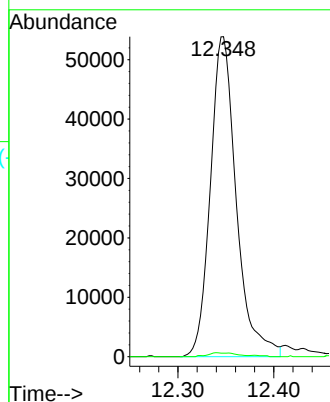
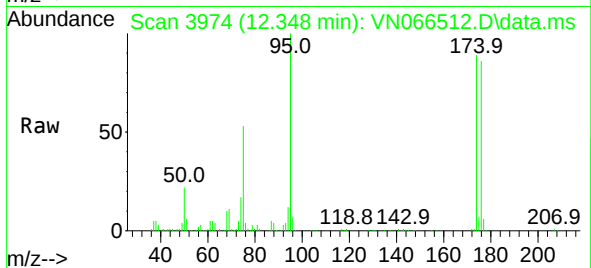
Acq: 7 Apr 2021 17:48

Tgt Ion: 75 Resp: 101305

Ion Ratio Lower Upper

75 100
77 0.7 0.0 0.0#

Instrument :
MSVOA_N
ClientSampled :



#81

trans-1,4-Dichloro-2-butene

Concen: 58.43 ug/l

RT: 12.348 min Scan# 3974

Delta R.T. 0.102 min

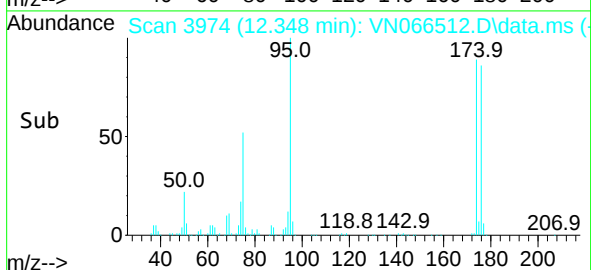
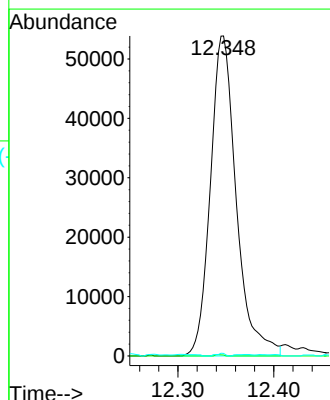
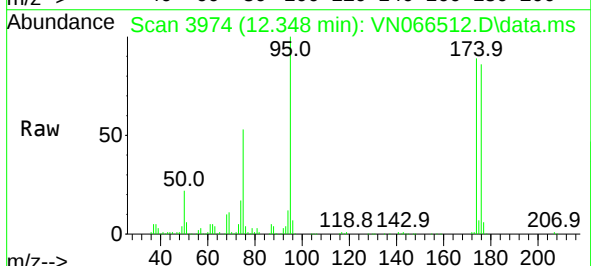
Lab File: VN066512.D

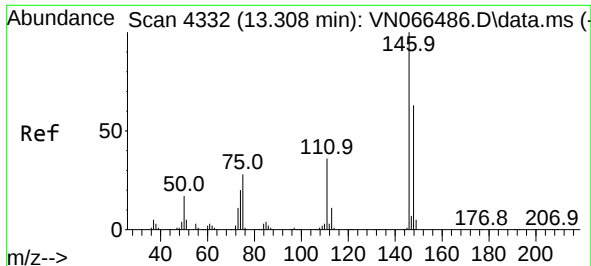
Acq: 7 Apr 2021 17:48

Tgt Ion: 75 Resp: 101305

Ion Ratio Lower Upper

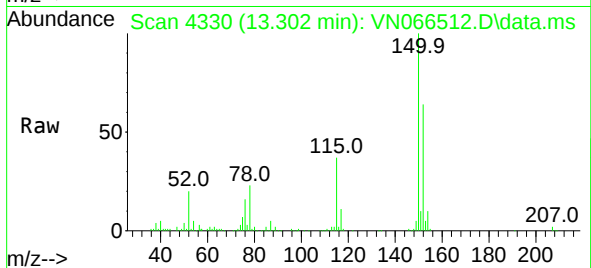
75 100
53 0.1 76.1 114.1#
89 0.3 35.7 53.5#



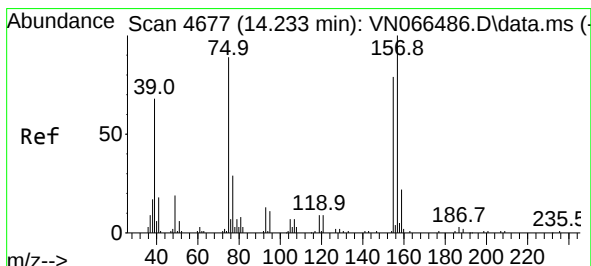
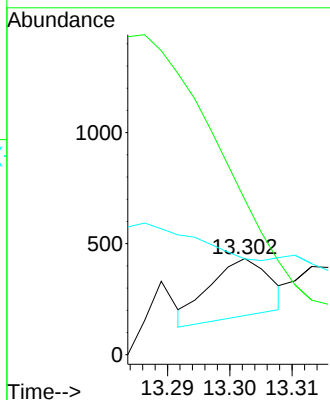
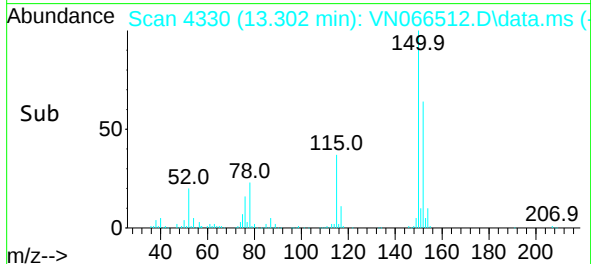


#88
 1,4-Dichlorobenzene
 Concen: 1.02 ug/l
 RT: 13.302 min Scan# 4330
 Delta R.T. -0.006 min
 Lab File: VN066512.D
 Acq: 7 Apr 2021 17:48

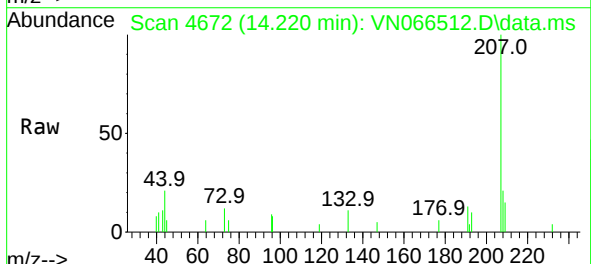
Instrument :
 MSVOA_N
 ClientSampleId :



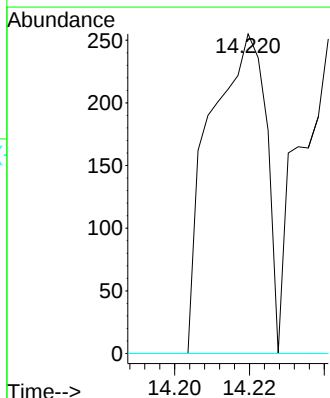
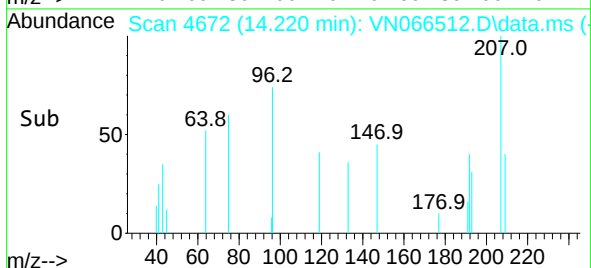
Tgt Ion:146 Resp: 178
 Ion Ratio Lower Upper
 146 100
 111 0.0 18.3 54.9#
 148 0.0 31.9 95.9#

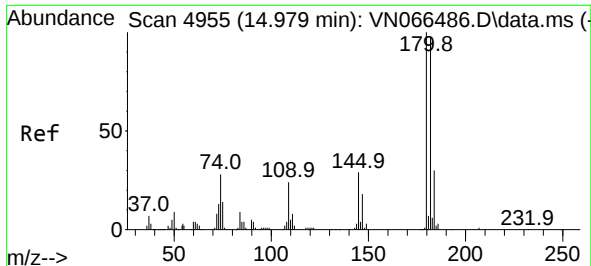


#92
 1,2-Dibromo-3-Chloropropane
 Concen: 0.57 ug/l
 RT: 14.220 min Scan# 4672
 Delta R.T. -0.013 min
 Lab File: VN066512.D
 Acq: 7 Apr 2021 17:48



Tgt Ion: 75 Resp: 266
 Ion Ratio Lower Upper
 75 100
 155 0.0 43.8 131.3#
 157 0.0 57.6 172.8#

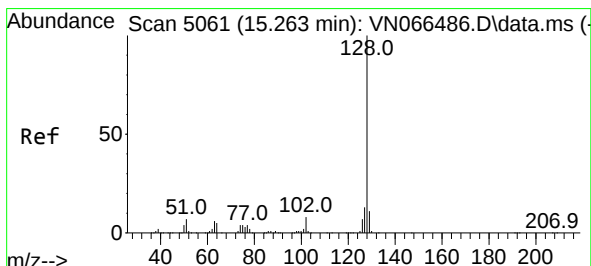
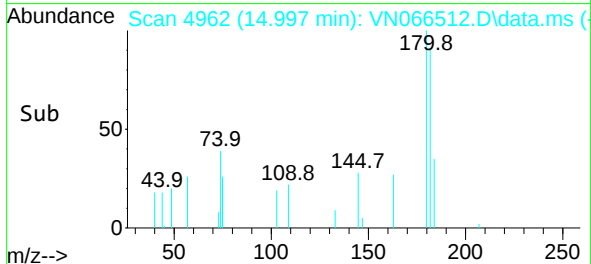
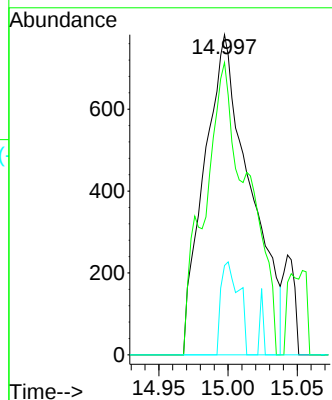
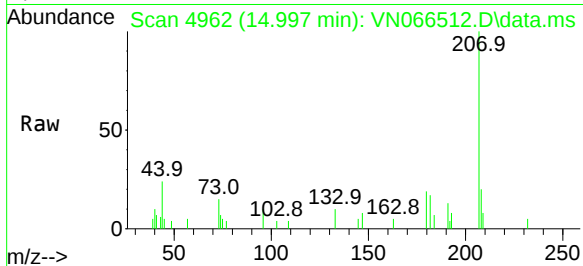




#93
1,2,4-Trichlorobenzene
Concen: 2.63 ug/l
RT: 14.997 min Scan# 4962
Delta R.T. 0.018 min
Lab File: VN066512.D
Acq: 7 Apr 2021 17:48

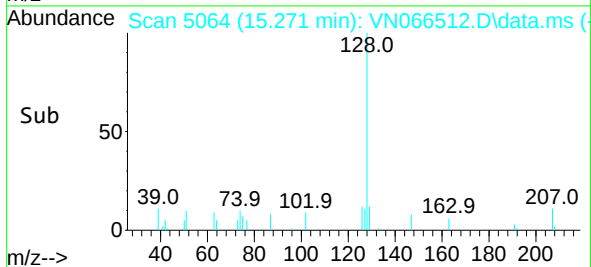
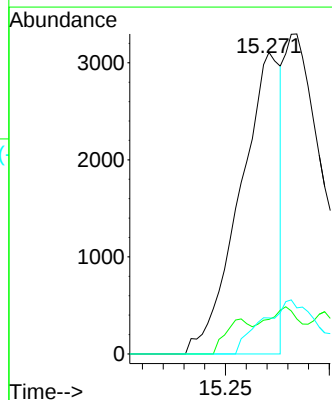
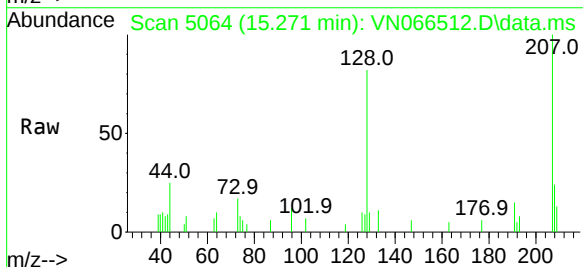
Instrument :
MSVOA_N
ClientSampled :

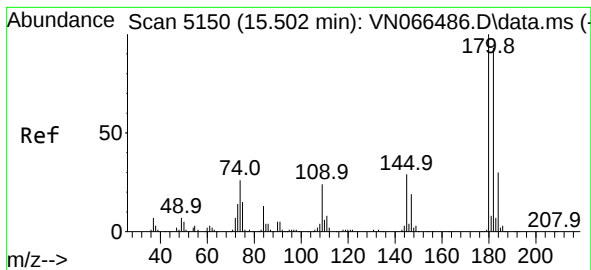
Tgt Ion:180 Resp: 1800
Ion Ratio Lower Upper
180 100
182 64.0 47.4 142.3
145 11.3 14.2 42.8#



#95
Naphthalene
Concen: 2.29 ug/l
RT: 15.271 min Scan# 5064
Delta R.T. 0.008 min
Lab File: VN066512.D
Acq: 7 Apr 2021 17:48

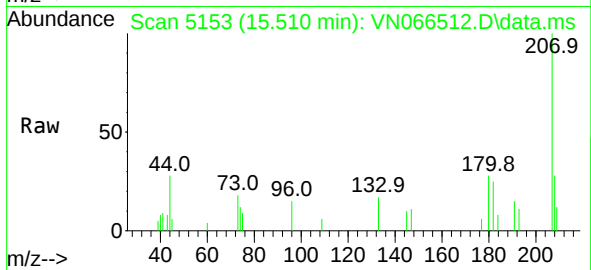
Tgt Ion:128 Resp: 4202
Ion Ratio Lower Upper
128 100
127 13.2 10.5 15.7
129 24.7 8.5 12.7#





#96
 1,2,3-Trichlorobenzene
 Concen: 2.17 ug/l
 RT: 15.510 min Scan# 5153
 Delta R.T. 0.008 min
 Lab File: VN066512.D
 Acq: 7 Apr 2021 17:48

Instrument :
 MSVOA_N
 ClientSampleId :



Tgt Ion:	180	Resp:	2447
Ion	Ratio	Lower	Upper
180	100		
182	98.8	47.6	142.9
145	24.6	15.4	46.1

