

Data Path : Z:\voasrv\HPCHEM1\MSVOA_N\Data\VN041521\
 Data File : VN066617.D
 Acq On : 15 Apr 2021 17:31
 Operator : JC/MD
 Sample : PB135761TB
 Misc : 5.00mL/MSVOA_N/WATER
 ALS Vial : 16 Sample Multiplier: 1

Instrument :
 MSVOA_N
 ClientSampleId :

Quant Time: Apr 16 07:53:06 2021
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA_N\methods\82N041521W.M
 Quant Title : SW846 8260
 QLast Update : Thu Apr 15 19:16:35 2021
 Response via : Initial Calibration

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

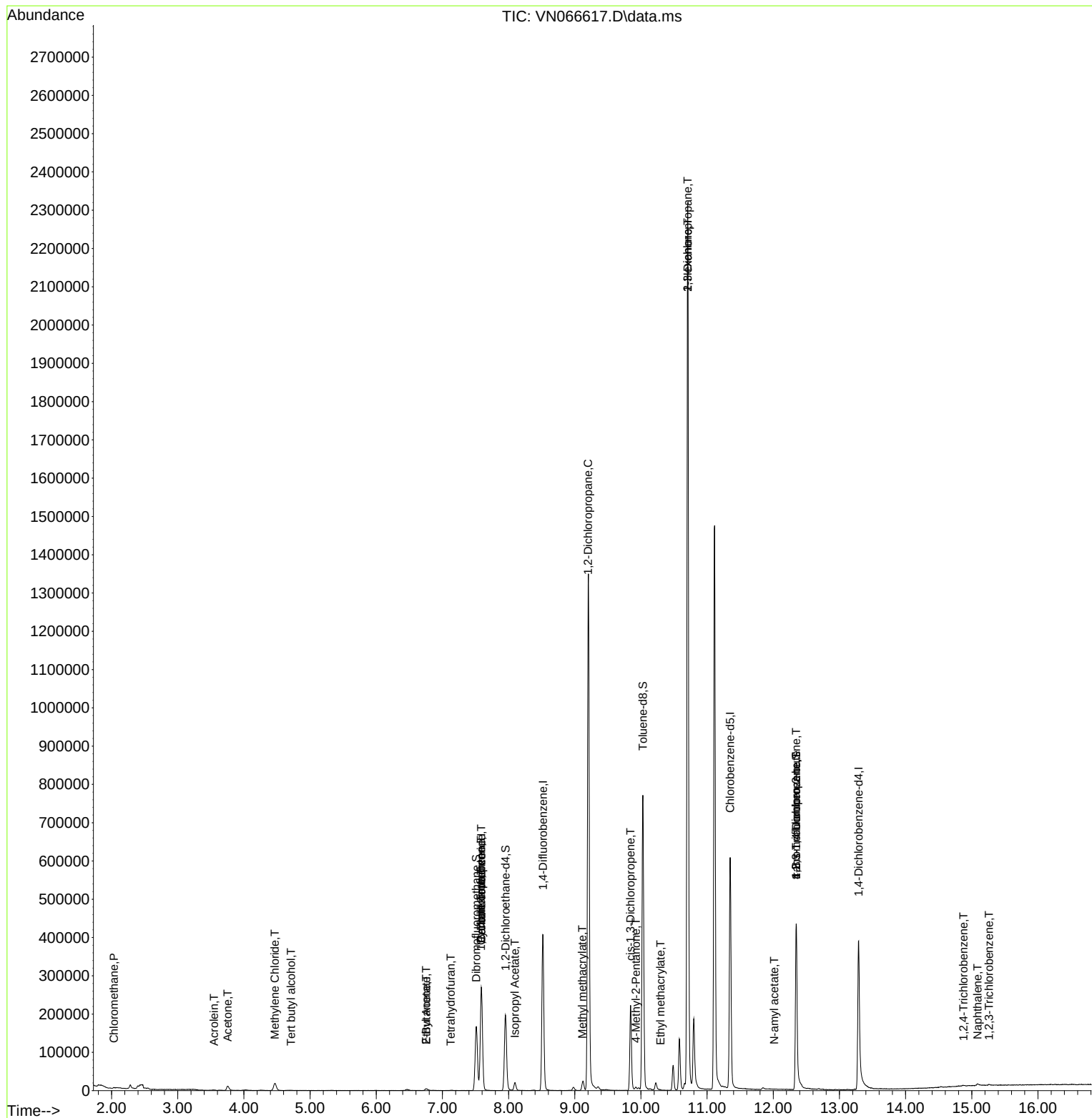
Internal Standards						
1) Pentafluorobenzene	7.588	168	226388	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	8.519	114	360869	50.00	ug/l	0.00
63) Chlorobenzene-d5	11.348	117	349607	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.290	152	138005	50.00	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	7.953	65	171374	50.18	ug/l	0.00
Spiked Amount 50.000	Range 61 - 141		Recovery = 100.36%			
35) Dibromofluoromethane	7.510	113	130963	52.33	ug/l	0.00
Spiked Amount 50.000	Range 69 - 133		Recovery = 104.66%			
50) Toluene-d8	10.029	98	528706	53.90	ug/l	0.00
Spiked Amount 50.000	Range 65 - 126		Recovery = 107.80%			
62) 4-Bromofluorobenzene	12.346	95	173723	50.37	ug/l	0.00
Spiked Amount 50.000	Range 58 - 135		Recovery = 100.74%			
Target Compounds						Qvalue
3) Chloromethane	2.034	50	1133	0.28	ug/l	90
11) Tert butyl alcohol	4.711	59	1405	2.56	ug/l #	73
13) Acrolein	3.547	56	902	3.09	ug/l #	82
16) Acetone	3.753	43	19828	8.01	ug/l	97
20) Methylene Chloride	4.466	84	14232	4.41	ug/l	92
25) 2-Butanone	6.754	43	10266	5.10	ug/l	94
29) Tetrahydrofuran	7.124	42	345	0.25	ug/l #	37
31) Cyclohexane	7.586	56	4861	0.99	ug/l #	1
36) 1,1-Dichloropropene	7.583	75	17633	4.85	ug/l #	48
37) Ethyl Acetate	6.754	43	10266	2.49	ug/l #	68
38) Carbon Tetrachloride	7.588	117	20505	6.02	ug/l #	18
43) Isopropyl Acetate	8.095	43	26267	3.81	ug/l #	84
45) 1,2-Dichloropropane	9.200	63	1508	0.46	ug/l #	44
48) Methyl methacrylate	9.114	41	6730	2.17	ug/l #	10
49) 1,4-Dioxane	9.208	88	24	Below Cal	#	1
51) 4-Methyl-2-Pentanone	9.924	43	6139	1.51	ug/l #	87
54) cis-1,3-Dichloropropene	9.844	75	39444	8.30	ug/l #	65
56) Ethyl methacrylate	10.294	69	117	0.92	ug/l #	1
57) 1,3-Dichloropropane	10.707	76	22883	4.81	ug/l #	43
59) 2-Hexanone	10.707	43	351502	124.19	ug/l #	49
74) N-amyl acetate	12.014	43	70	9.74	ug/l #	42
76) 1,2,3-Trichloropropane	12.346	75	86026	26.66	ug/l #	100
81) trans-1,4-Dichloro-2-b...	12.346	75	86026	82.18	ug/l #	12
88) 1,4-Dichlorobenzene	13.306	146	373	Below Cal	#	1
93) 1,2,4-Trichlorobenzene	14.875	180	853	0.33	ug/l #	50
95) Naphthalene	15.087	128	5500	0.78	ug/l #	84
96) 1,2,3-Trichlorobenzene	15.259	180	675	0.26	ug/l #	41

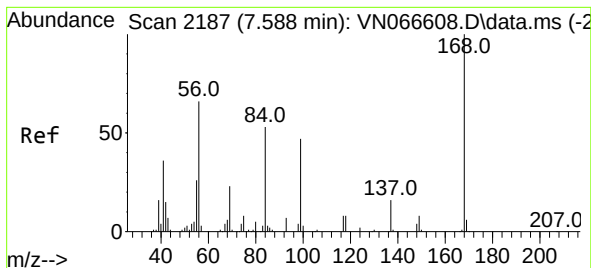
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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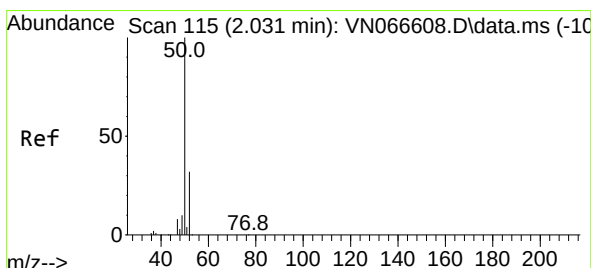
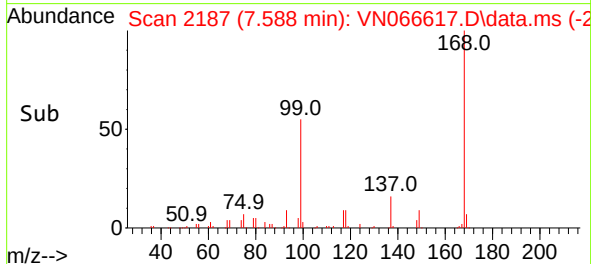
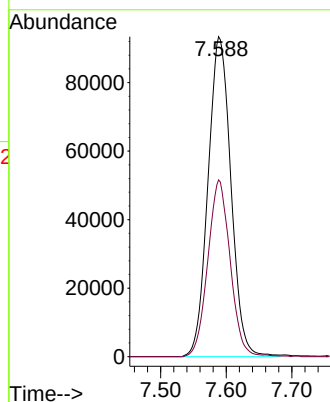
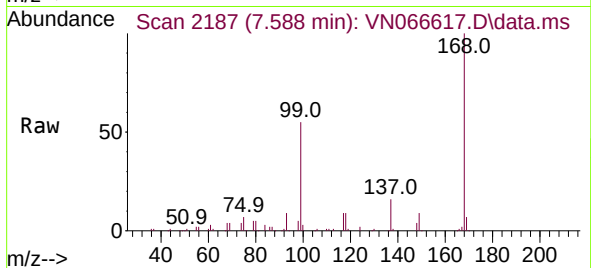




#1
Pentafluorobenzene
Concen: 50.00 ug/l
RT: 7.588 min Scan# 2187
Delta R.T. 0.000 min
Lab File: VN066617.D
Acq: 15 Apr 2021 17:31

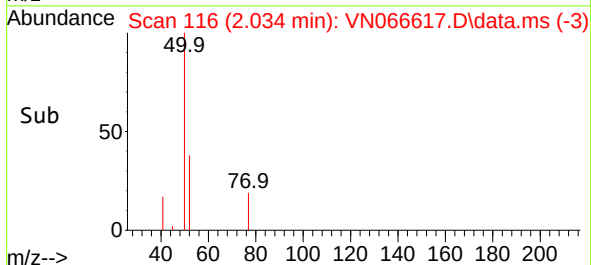
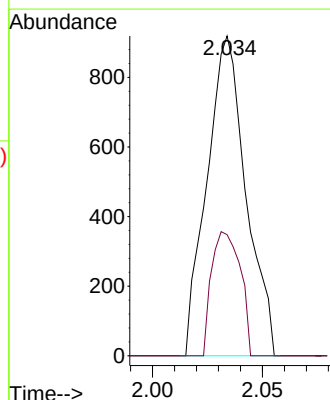
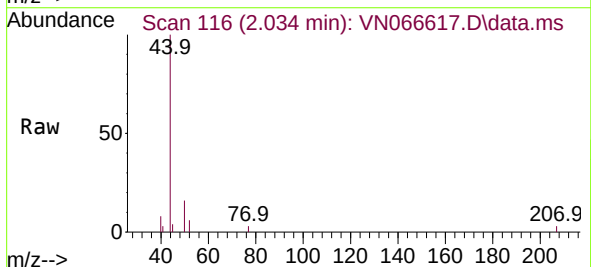
Instrument :
MSVOA_N
ClientSampled :

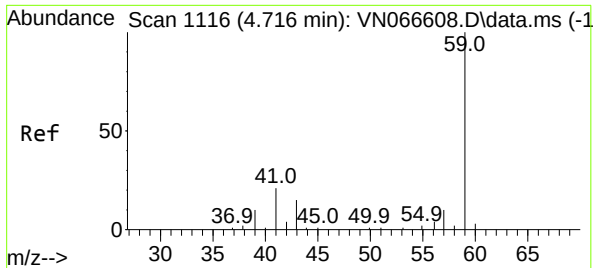
Tgt Ion:168 Resp: 226388
Ion Ratio Lower Upper
168 100
99 55.3 42.6 63.8



#3
Chloromethane
Concen: 0.28 ug/l
RT: 2.034 min Scan# 116
Delta R.T. 0.003 min
Lab File: VN066617.D
Acq: 15 Apr 2021 17:31

Tgt Ion: 50 Resp: 1133
Ion Ratio Lower Upper
50 100
52 37.9 25.8 38.8

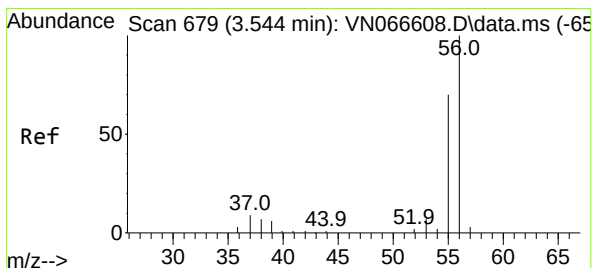
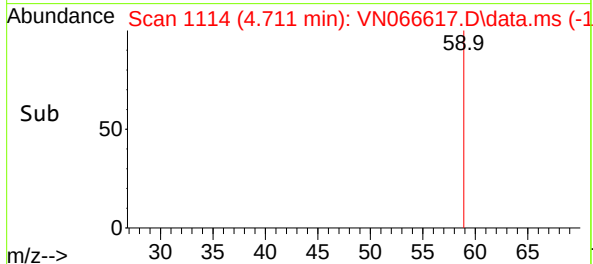
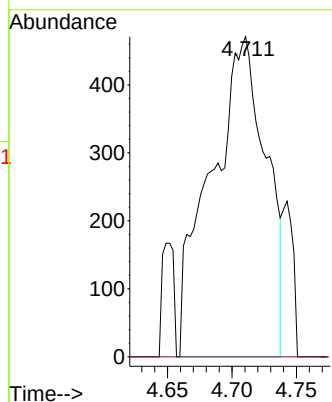
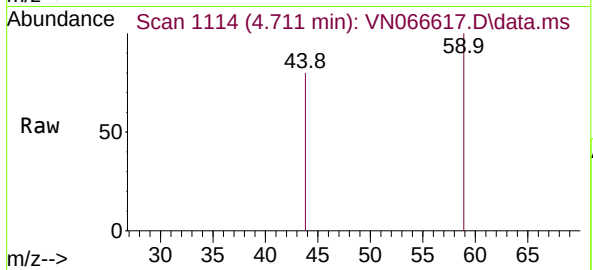




#11
Tert butyl alcohol
Concen: 2.56 ug/l
RT: 4.711 min Scan# 1114
Delta R.T. -0.005 min
Lab File: VN066617.D
Acq: 15 Apr 2021 17:31

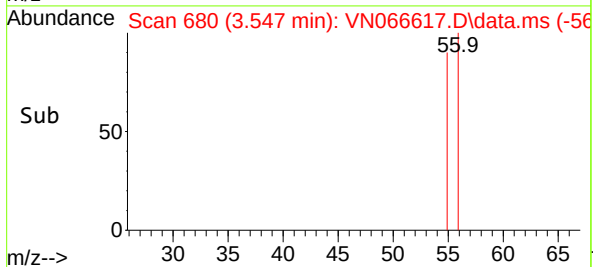
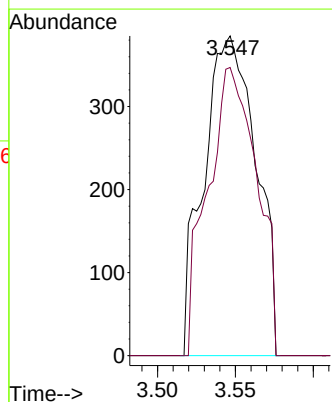
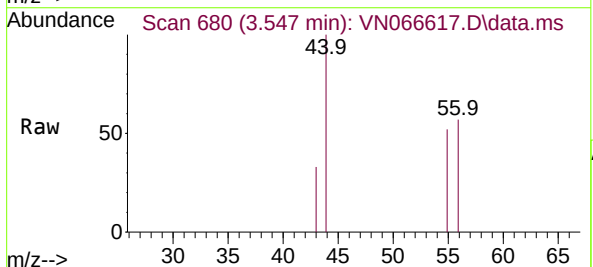
Instrument :
MSVOA_N
ClientSampled :

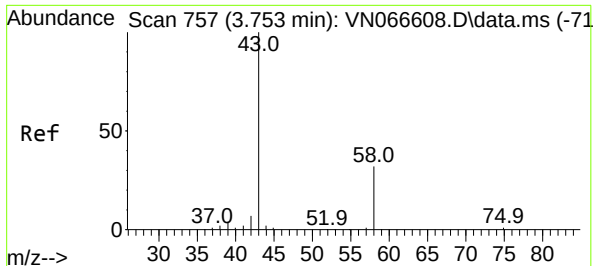
Tgt Ion: 59 Resp: 1405
Ion Ratio Lower Upper
59 100
57 0.0 8.0 12.0#



#13
Acrolein
Concen: 3.09 ug/l
RT: 3.547 min Scan# 680
Delta R.T. 0.003 min
Lab File: VN066617.D
Acq: 15 Apr 2021 17:31

Tgt Ion: 56 Resp: 902
Ion Ratio Lower Upper
56 100
55 84.5 56.0 84.0#

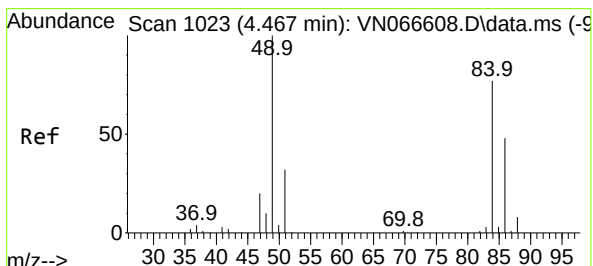
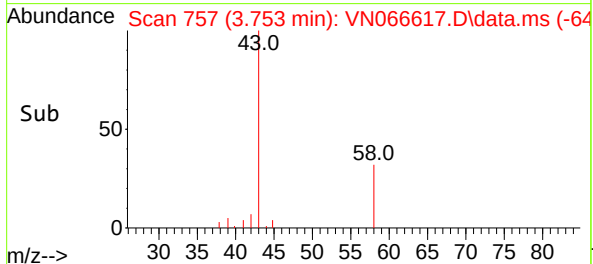
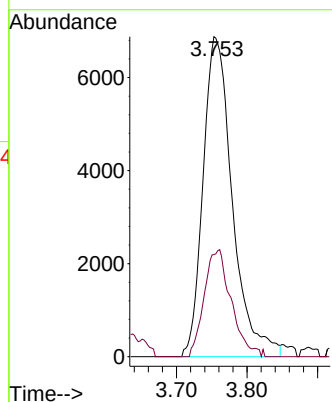
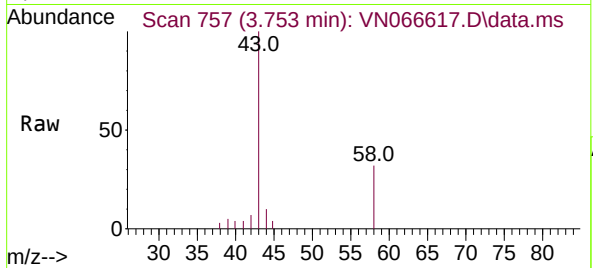




#16
Acetone
Concen: 8.01 ug/l
RT: 3.753 min Scan# 757
Delta R.T. 0.000 min
Lab File: VN066617.D
Acq: 15 Apr 2021 17:31

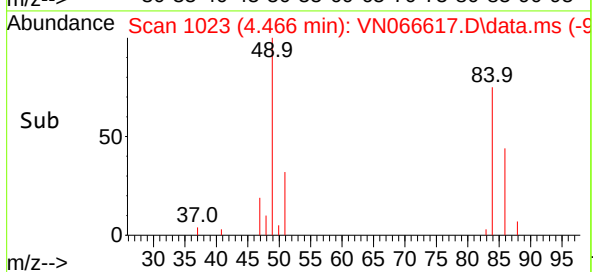
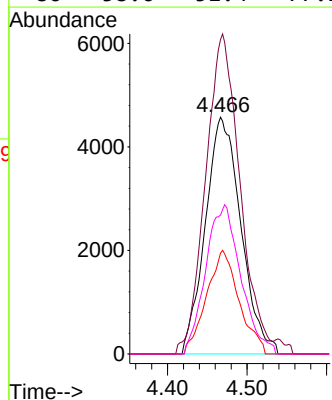
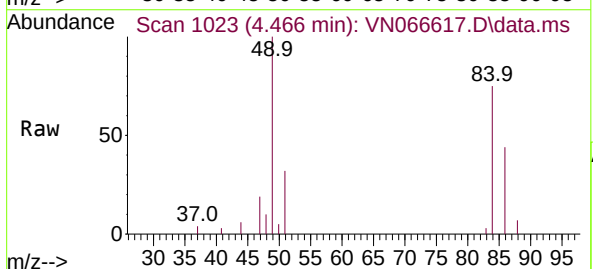
Instrument :
MSVOA_N
ClientSampleId :

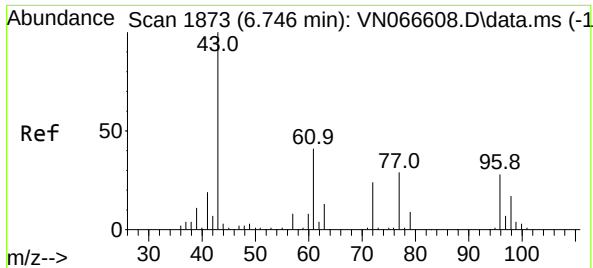
Tgt Ion: 43 Resp: 19828
Ion Ratio Lower Upper
43 100
58 31.9 27.0 40.6



#20
Methylene Chloride
Concen: 4.41 ug/l
RT: 4.466 min Scan# 1023
Delta R.T. -0.001 min
Lab File: VN066617.D
Acq: 15 Apr 2021 17:31

Tgt Ion: 84 Resp: 14232
Ion Ratio Lower Upper
84 100
49 128.1 94.6 141.8
51 42.6 29.9 44.9
86 58.6 51.4 77.2





#25

2-Butanone

Concen: 5.10 ug/l

RT: 6.754 min Scan# 1876

Delta R.T. 0.008 min

Lab File: VN066617.D

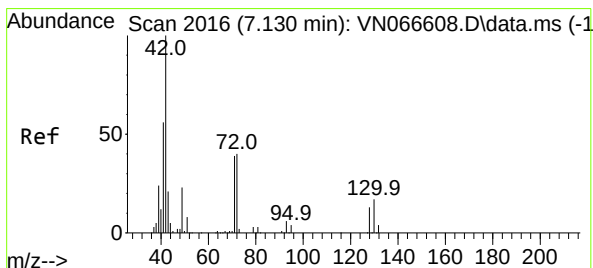
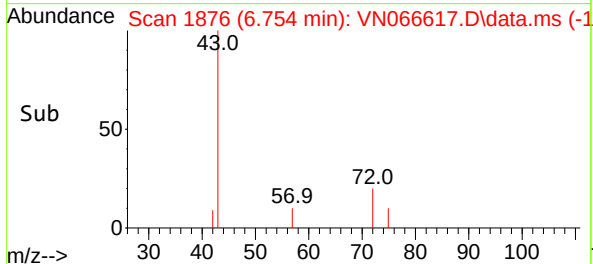
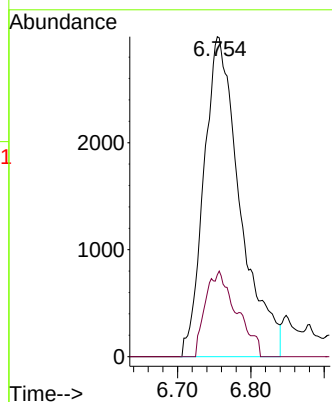
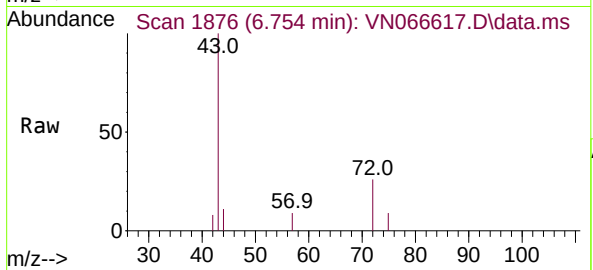
Acq: 15 Apr 2021 17:31

Tgt Ion: 43 Resp: 10266

Ion Ratio Lower Upper

43 100

72 25.6 23.1 34.7



#29

Tetrahydrofuran

Concen: 0.25 ug/l

RT: 7.124 min Scan# 2014

Delta R.T. -0.006 min

Lab File: VN066617.D

Acq: 15 Apr 2021 17:31

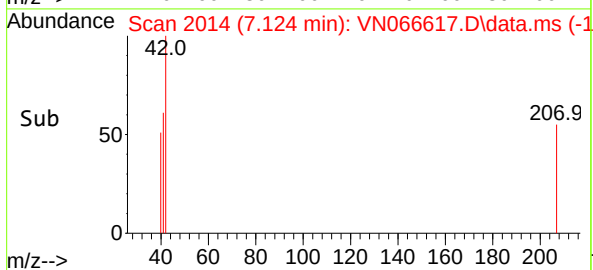
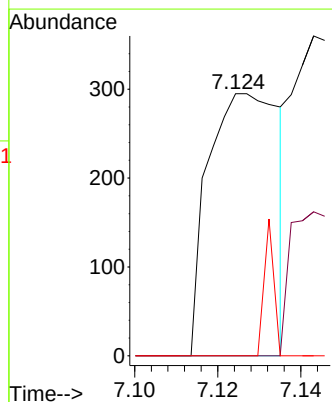
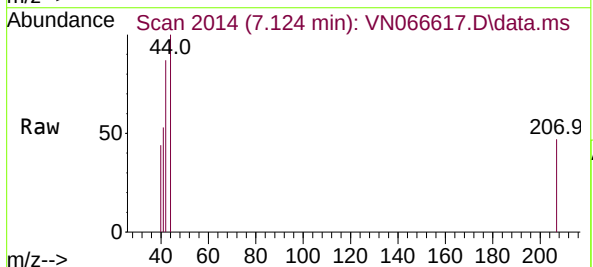
Tgt Ion: 42 Resp: 345

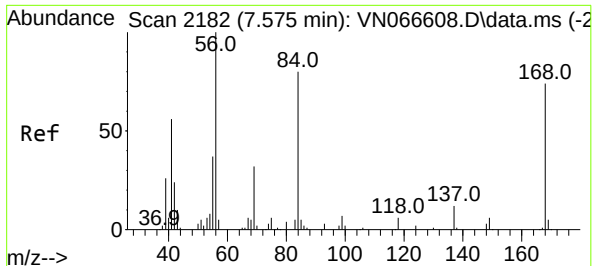
Ion Ratio Lower Upper

42 100

72 0.0 36.6 55.0#

71 7.2 34.3 51.5#

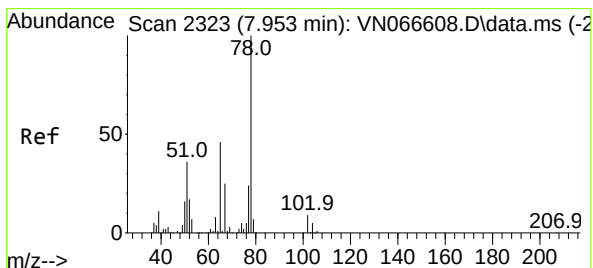
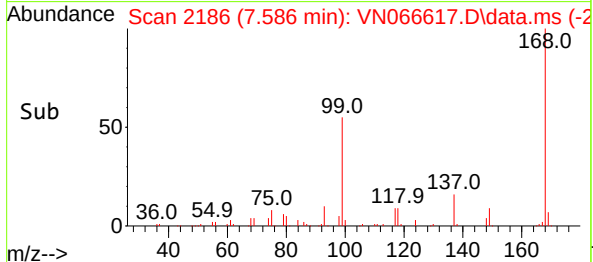
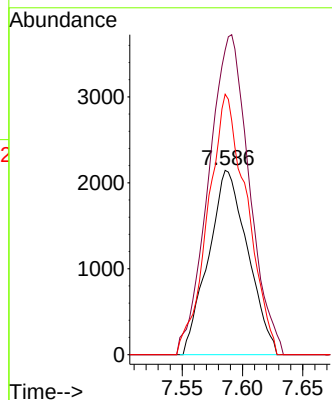
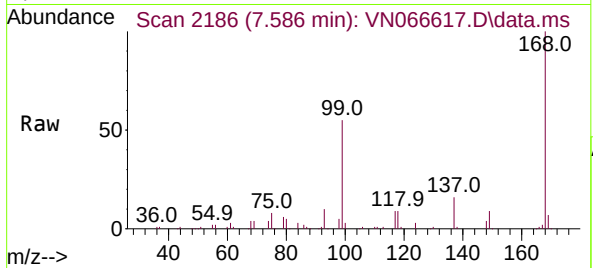




#31
Cyclohexane
Concen: 0.99 ug/l
RT: 7.586 min Scan# 2186
Delta R.T. 0.011 min
Lab File: VN066617.D
Acq: 15 Apr 2021 17:31

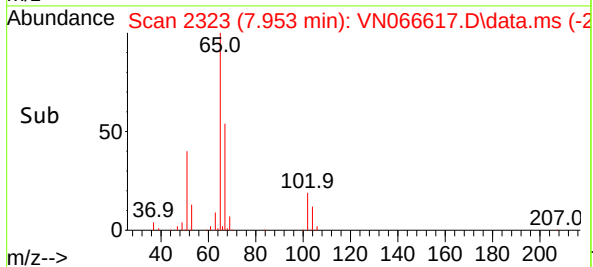
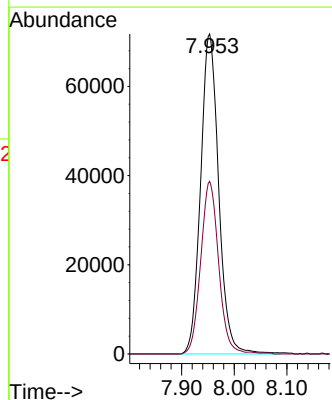
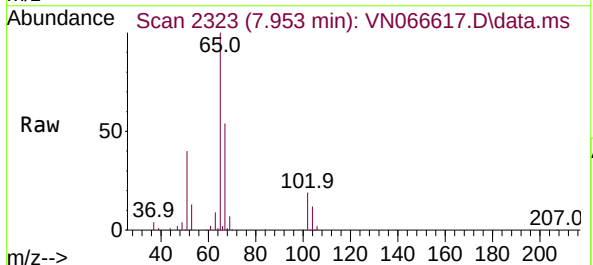
Instrument :
MSVOA_N
ClientSampled :

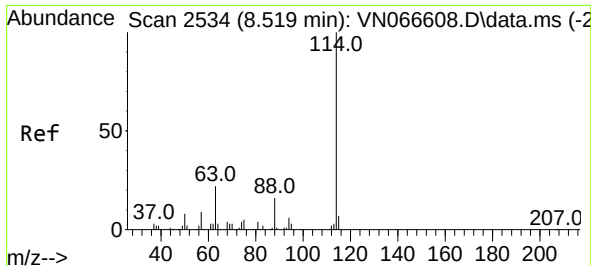
Tgt Ion: 56 Resp: 4861
Ion Ratio Lower Upper
56 100
69 158.3 26.6 39.8#
84 141.3 70.4 105.6#



#33
1,2-Dichloroethane-d4
Concen: 50.18 ug/l
RT: 7.953 min Scan# 2323
Delta R.T. 0.000 min
Lab File: VN066617.D
Acq: 15 Apr 2021 17:31

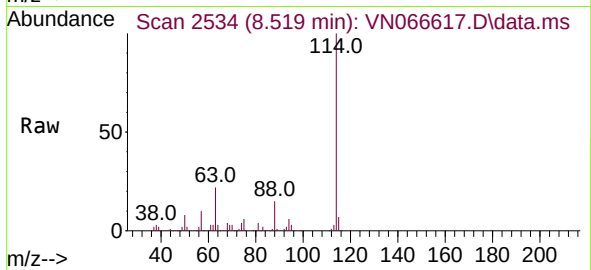
Tgt Ion: 65 Resp: 171374
Ion Ratio Lower Upper
65 100
67 53.1 0.0 107.2



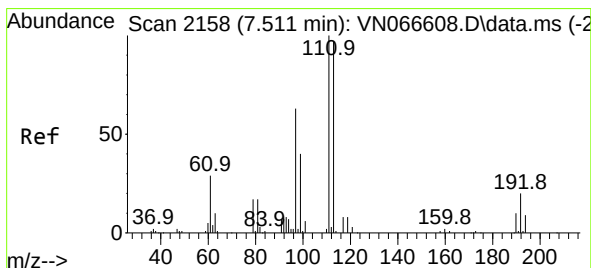
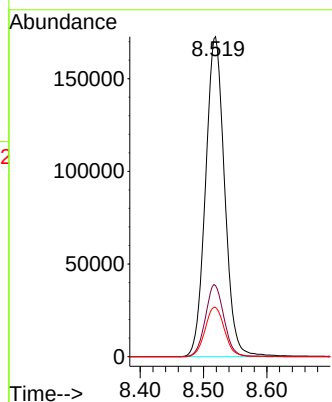
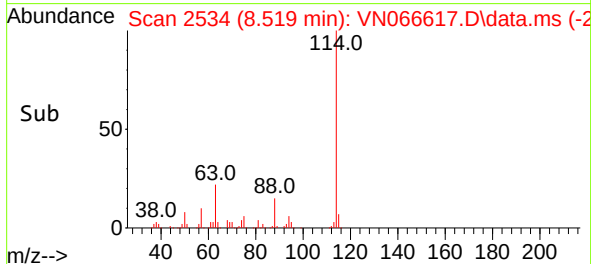


#34
1,4-Difluorobenzene
Concen: 50.00 ug/l
RT: 8.519 min Scan# 2534
Delta R.T. -0.000 min
Lab File: VN066617.D
Acq: 15 Apr 2021 17:31

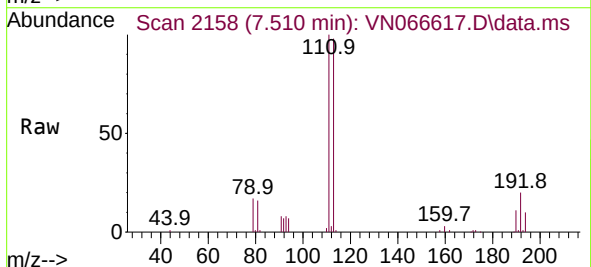
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MSVOA_N
ClientSampleId :



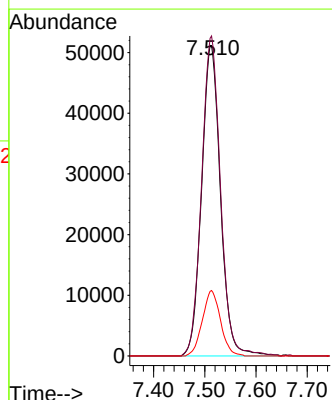
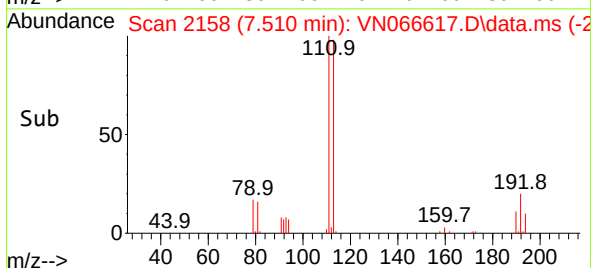
Tgt Ion:114 Resp: 360869
Ion Ratio Lower Upper
114 100
63 22.2 0.0 38.6
88 15.4 0.0 30.6

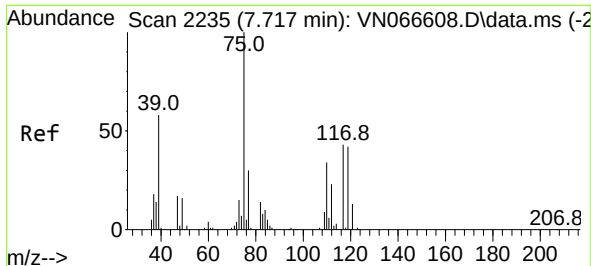


#35
Dibromofluoromethane
Concen: 52.33 ug/l
RT: 7.510 min Scan# 2158
Delta R.T. -0.001 min
Lab File: VN066617.D
Acq: 15 Apr 2021 17:31



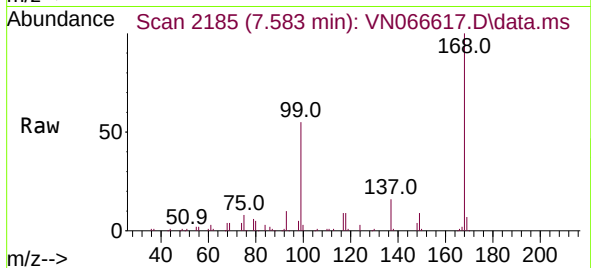
Tgt Ion:113 Resp: 130963
Ion Ratio Lower Upper
113 100
111 102.6 82.2 123.2
192 20.3 15.4 23.0



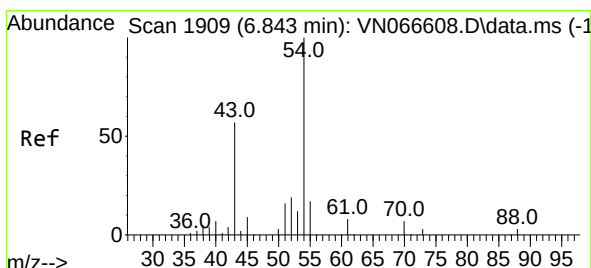
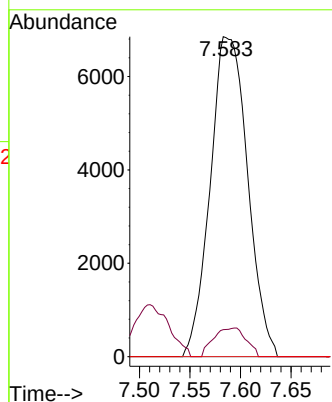
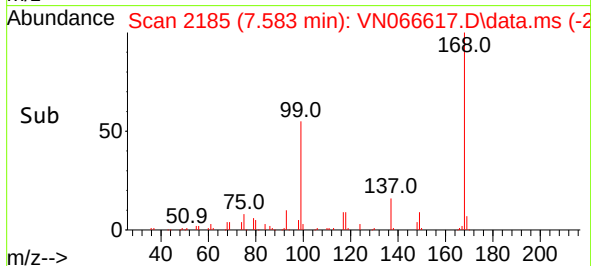


#36
 1,1-Dichloropropene
 Concen: 4.85 ug/l
 RT: 7.583 min Scan# 2185
 Delta R.T. -0.134 min
 Lab File: VN066617.D
 Acq: 15 Apr 2021 17:31

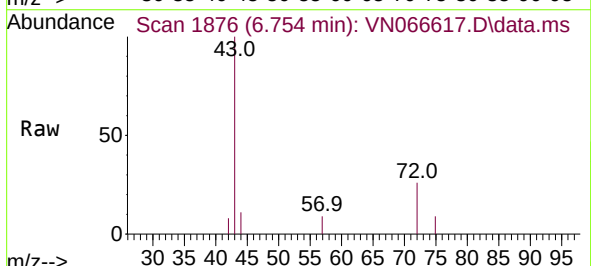
Instrument :
 MSVOA_N
 ClientSampleId :



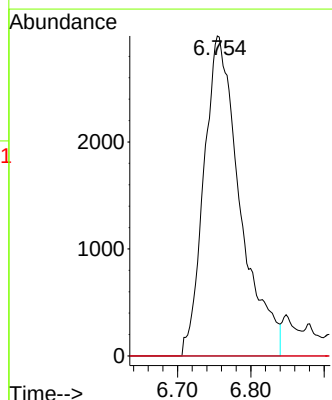
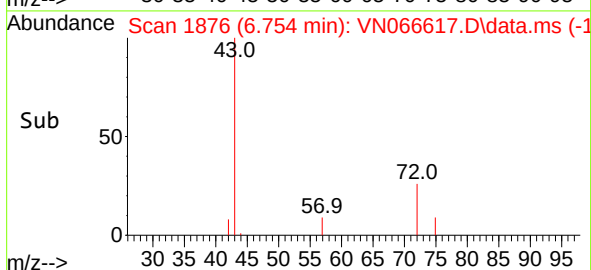
Tgt Ion: 75 Resp: 17633
 Ion Ratio Lower Upper
 75 100
 110 7.8 18.2 54.6#
 77 0.0 24.9 37.3#

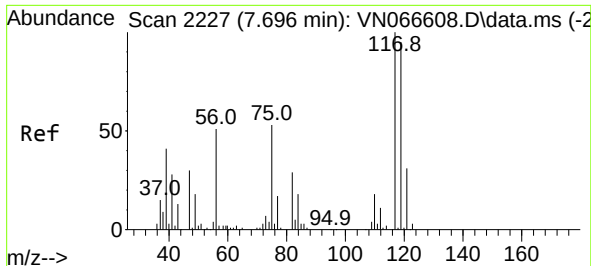


#37
 Ethyl Acetate
 Concen: 2.49 ug/l
 RT: 6.754 min Scan# 1876
 Delta R.T. -0.089 min
 Lab File: VN066617.D
 Acq: 15 Apr 2021 17:31



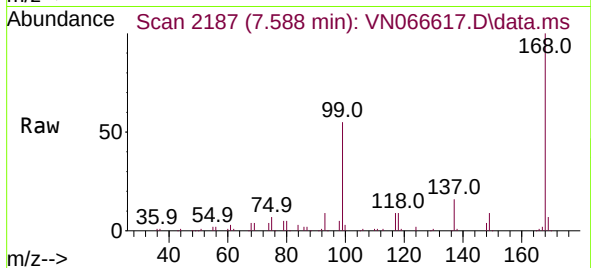
Tgt Ion: 43 Resp: 10266
 Ion Ratio Lower Upper
 43 100
 61 0.0 11.6 17.4#
 70 0.0 8.6 13.0#



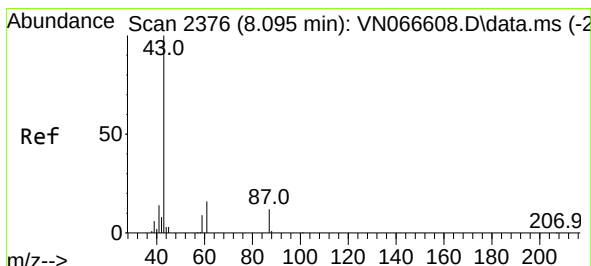
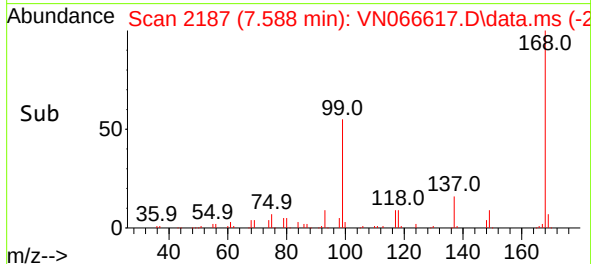
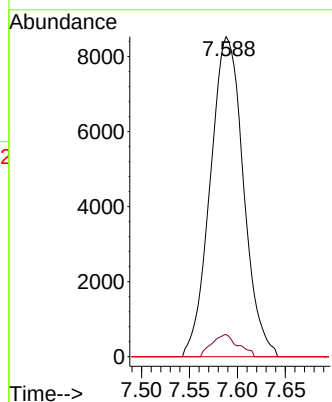


#38
Carbon Tetrachloride
Concen: 6.02 ug/l
RT: 7.588 min Scan# 2187
Delta R.T. -0.108 min
Lab File: VN066617.D
Acq: 15 Apr 2021 17:31

Instrument :
MSVOA_N
ClientSampled :

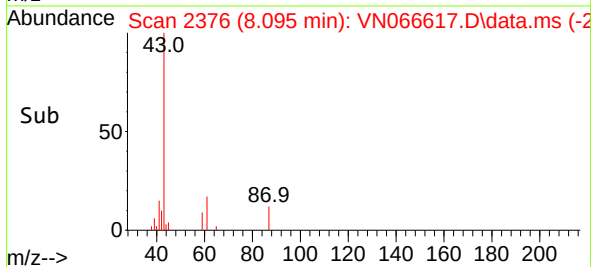
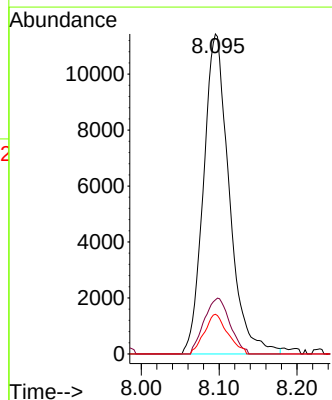
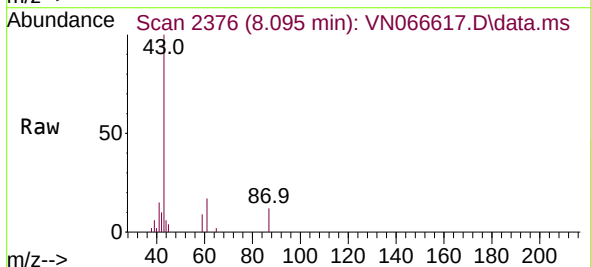


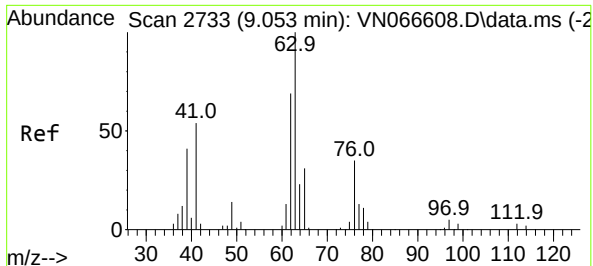
Tgt Ion:117 Resp: 20505
Ion Ratio Lower Upper
117 100
119 7.0 76.0 114.0#
121 0.0 24.5 36.7#



#43
Isopropyl Acetate
Concen: 3.81 ug/l
RT: 8.095 min Scan# 2376
Delta R.T. 0.000 min
Lab File: VN066617.D
Acq: 15 Apr 2021 17:31

Tgt Ion: 43 Resp: 26267
Ion Ratio Lower Upper
43 100
61 17.4 22.5 33.7#
87 11.2 11.1 16.7



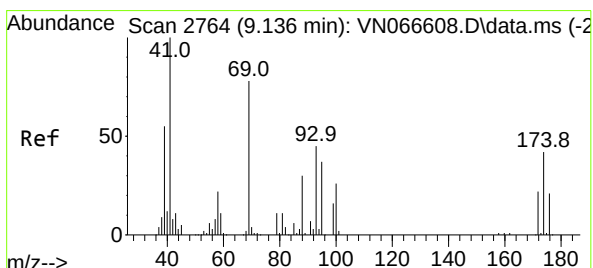
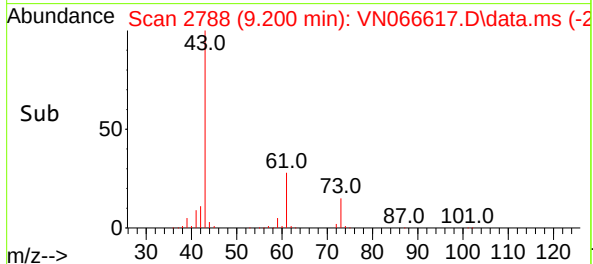
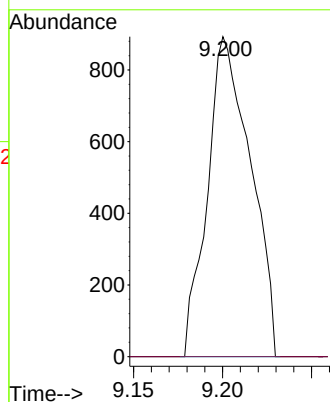
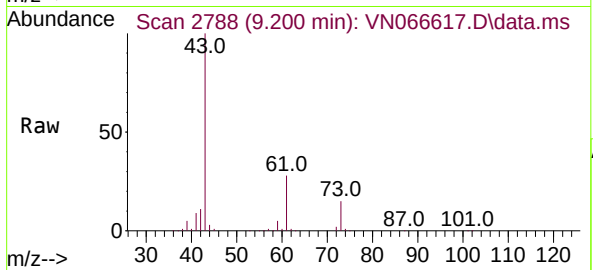


#45

1,2-Dichloropropane
Concen: 0.46 ug/l
RT: 9.200 min Scan# 2788
Delta R.T. 0.147 min
Lab File: VN066617.D
Acq: 15 Apr 2021 17:31

Instrument :
MSVOA_N
ClientSampled :

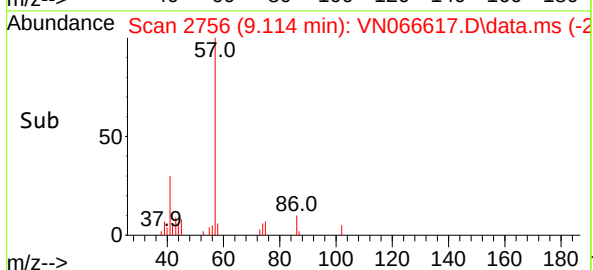
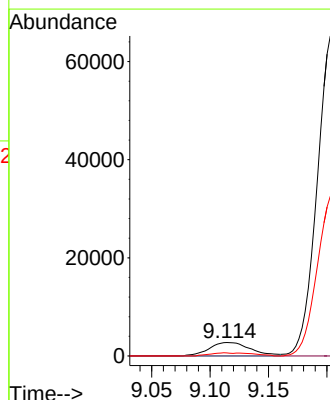
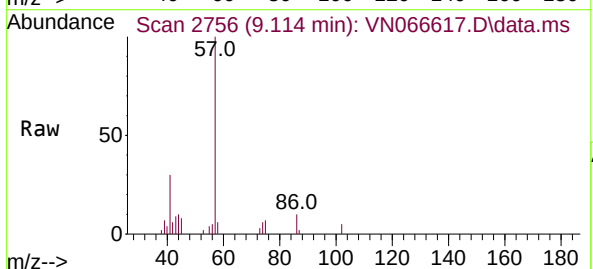
Tgt Ion: 63 Resp: 1508
Ion Ratio Lower Upper
63 100
65 0.0 24.9 37.3#

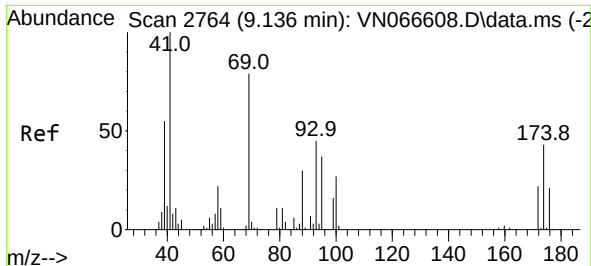


#48

Methyl methacrylate
Concen: 2.17 ug/l
RT: 9.114 min Scan# 2756
Delta R.T. -0.022 min
Lab File: VN066617.D
Acq: 15 Apr 2021 17:31

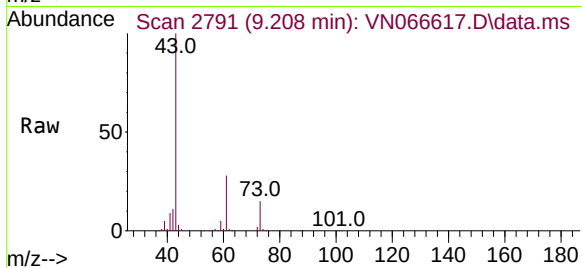
Tgt Ion: 41 Resp: 6730
Ion Ratio Lower Upper
41 100
69 0.0 75.9 113.9#
39 0.0 46.6 69.8#



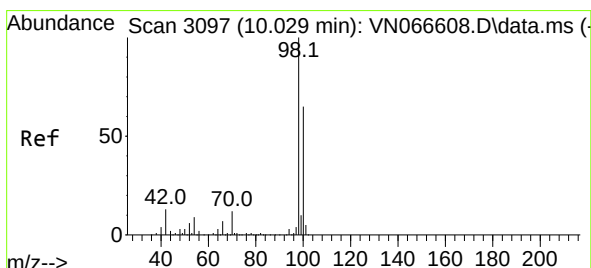
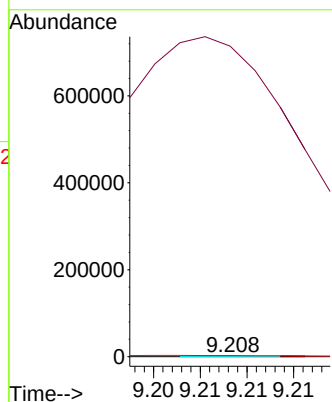
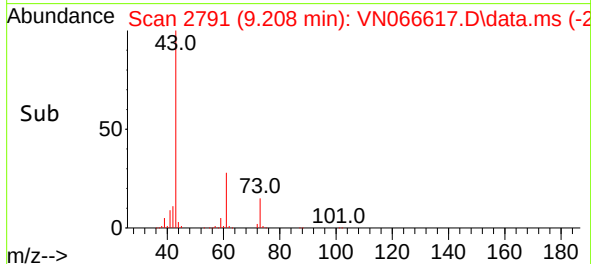


#49
1,4-Dioxane
Concen: Below Cal
RT: 9.208 min Scan# 2791
Delta R.T. 0.072 min
Lab File: VN066617.D
Acq: 15 Apr 2021 17:31

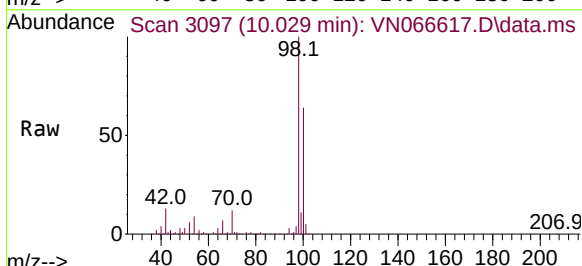
Instrument :
MSVOA_N
ClientSampled :



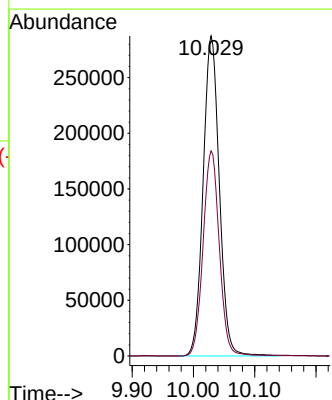
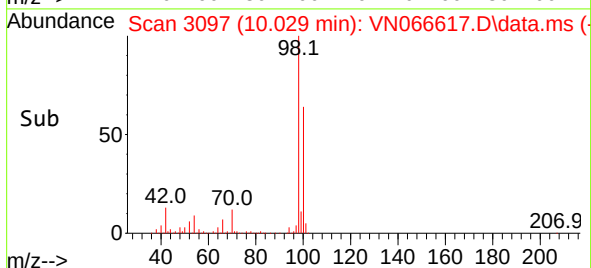
Tgt Ion: 88 Resp: 24
Ion Ratio Lower Upper
88 100
43 5726166.7 24.7 37.1#
58 22654.2 52.6 78.8#

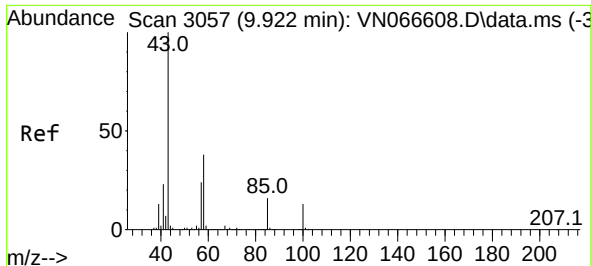


#50
Toluene-d8
Concen: 53.90 ug/l
RT: 10.029 min Scan# 3097
Delta R.T. -0.000 min
Lab File: VN066617.D
Acq: 15 Apr 2021 17:31



Tgt Ion: 98 Resp: 528706
Ion Ratio Lower Upper
98 100
100 64.2 50.5 75.7

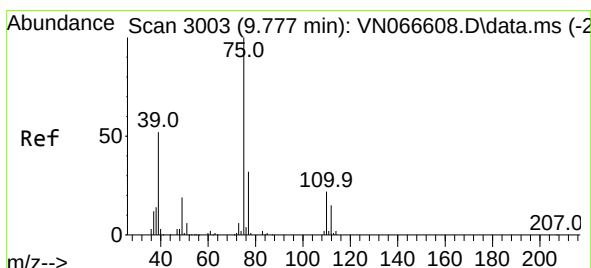
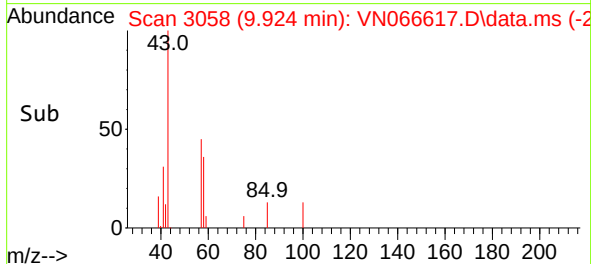
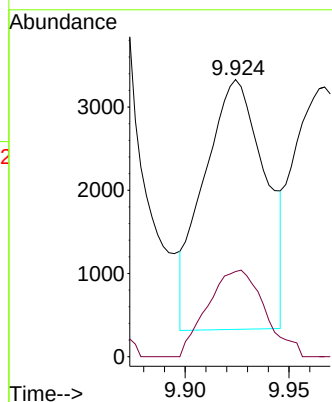
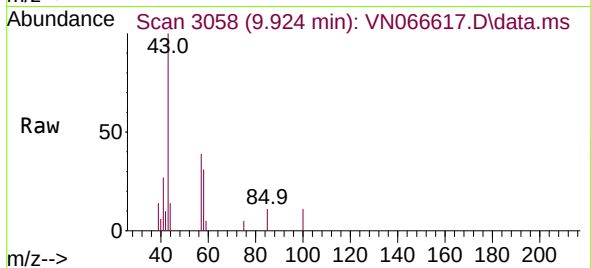




#51
4-Methyl-2-Pentanone
Concen: 1.51 ug/l
RT: 9.924 min Scan# 3058
Delta R.T. 0.002 min
Lab File: VN066617.D
Acq: 15 Apr 2021 17:31

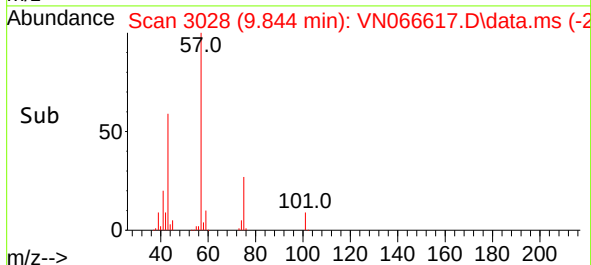
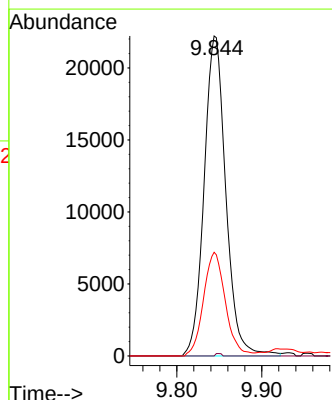
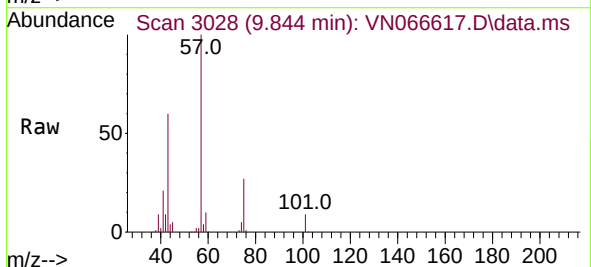
Instrument :
MSVOA_N
ClientSampled :

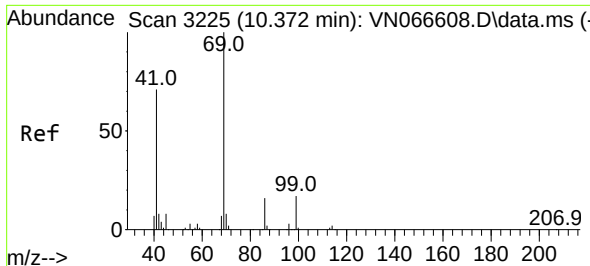
Tgt Ion: 43 Resp: 6139
Ion Ratio Lower Upper
43 100
58 32.4 32.5 48.7#



#54
cis-1,3-Dichloropropene
Concen: 8.30 ug/l
RT: 9.844 min Scan# 3028
Delta R.T. 0.067 min
Lab File: VN066617.D
Acq: 15 Apr 2021 17:31

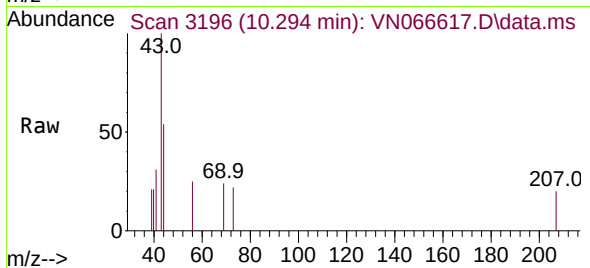
Tgt Ion: 75 Resp: 39444
Ion Ratio Lower Upper
75 100
77 0.0 24.9 37.3#
39 32.4 36.2 54.4#



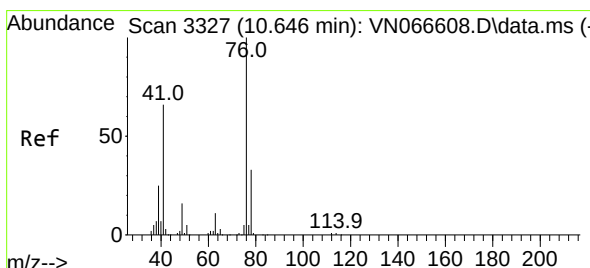
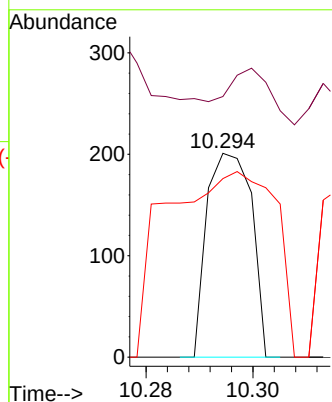
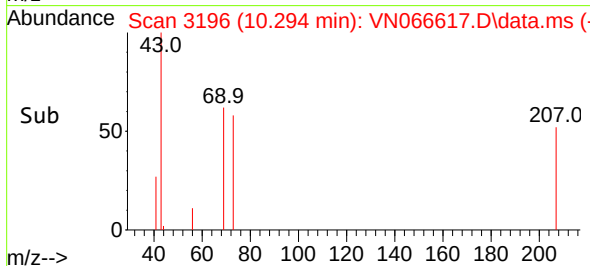


#56
Ethyl methacrylate
Concen: 0.92 ug/l
RT: 10.294 min Scan# 3196
Delta R.T. -0.078 min
Lab File: VN066617.D
Acq: 15 Apr 2021 17:31

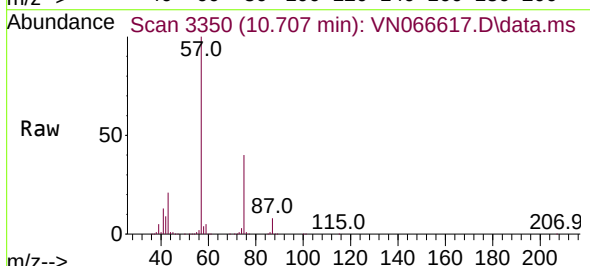
Instrument :
MSVOA_N
ClientSampleId :



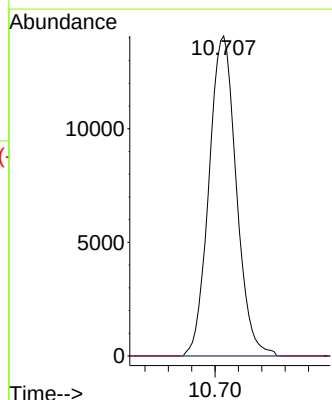
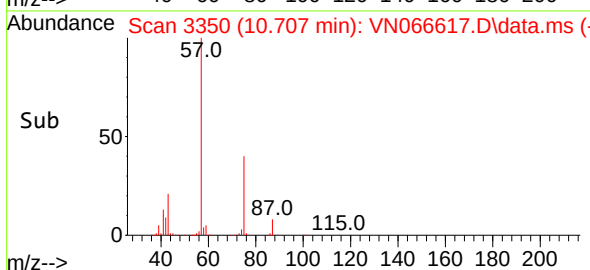
Tgt Ion: 69 Resp: 117
Ion Ratio Lower Upper
69 100
41 0.0 49.6 74.4#
39 223.1 28.0 42.0#

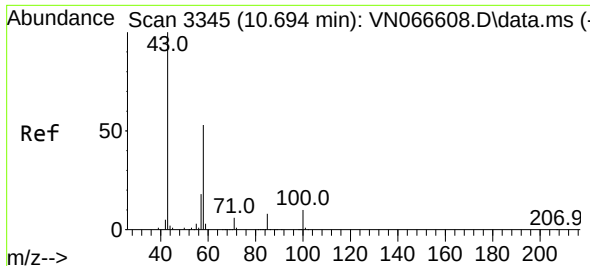


#57
1,3-Dichloropropane
Concen: 4.81 ug/l
RT: 10.707 min Scan# 3350
Delta R.T. 0.061 min
Lab File: VN066617.D
Acq: 15 Apr 2021 17:31



Tgt Ion: 76 Resp: 22883
Ion Ratio Lower Upper
76 100
78 0.0 25.7 38.5#

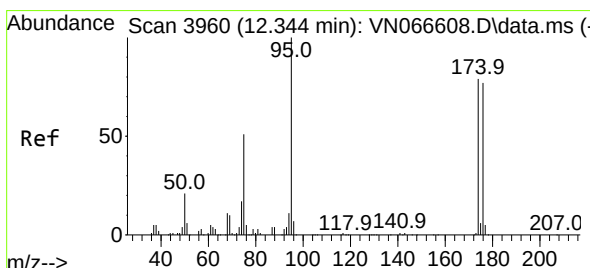
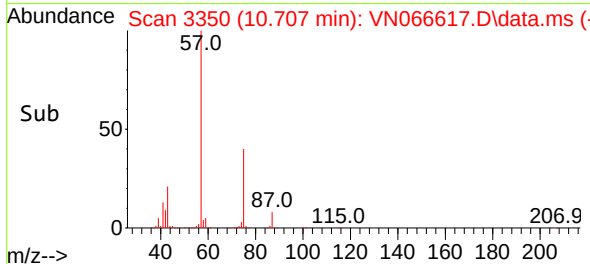
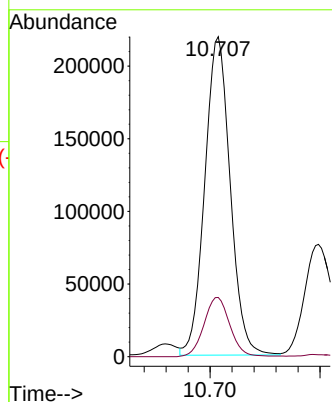
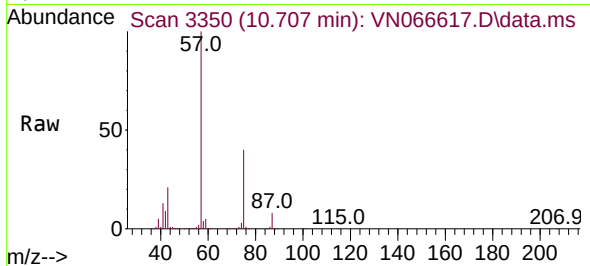




#59
2-Hexanone
Concen: 124.19 ug/l
RT: 10.707 min Scan# 3350
Delta R.T. 0.013 min
Lab File: VN066617.D
Acq: 15 Apr 2021 17:31

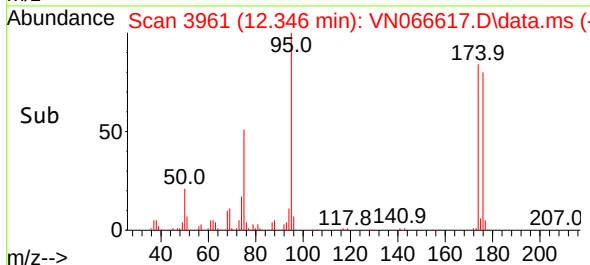
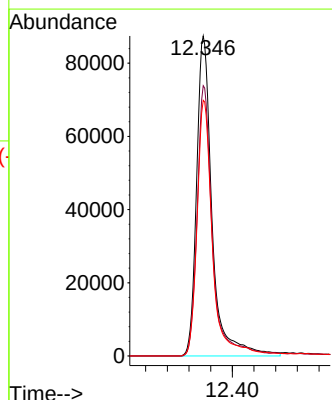
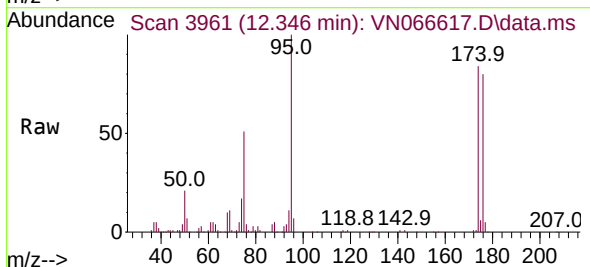
Instrument :
MSVOA_N
ClientSampleId :

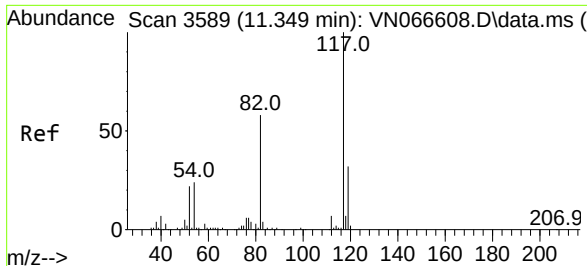
Tgt Ion: 43 Resp: 351502
Ion Ratio Lower Upper
43 100
58 19.0 28.1 84.3#



#62
4-Bromofluorobenzene
Concen: 50.37 ug/l
RT: 12.346 min Scan# 3961
Delta R.T. 0.002 min
Lab File: VN066617.D
Acq: 15 Apr 2021 17:31

Tgt Ion: 95 Resp: 173723
Ion Ratio Lower Upper
95 100
174 83.1 0.0 169.0
176 80.0 0.0 162.4

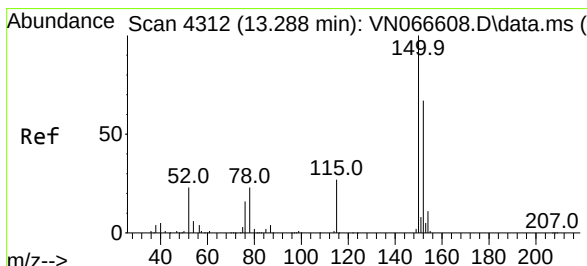
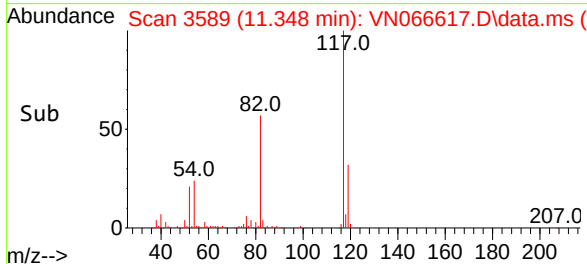
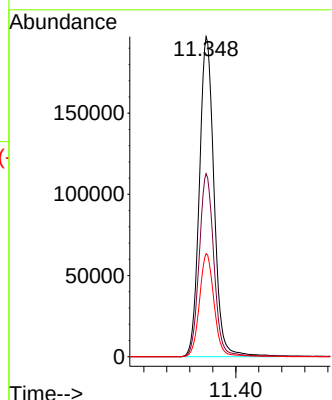
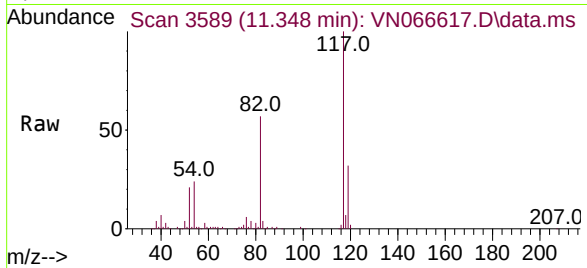




#63
Chlorobenzene-d5
Concen: 50.00 ug/l
RT: 11.348 min Scan# 3589
Delta R.T. -0.001 min
Lab File: VN066617.D
Acq: 15 Apr 2021 17:31

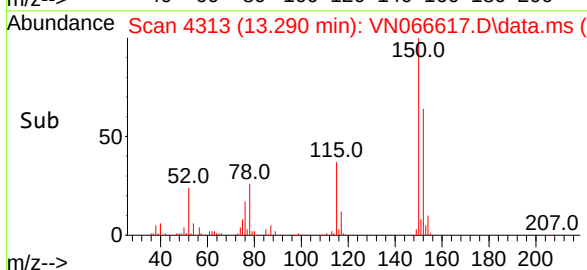
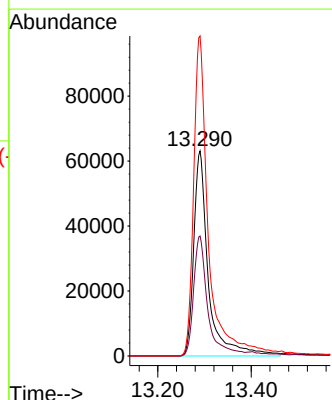
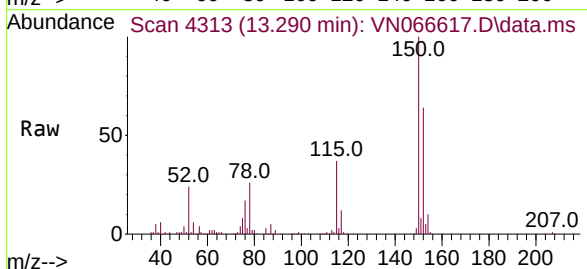
Instrument :
MSVOA_N
ClientSampleId :

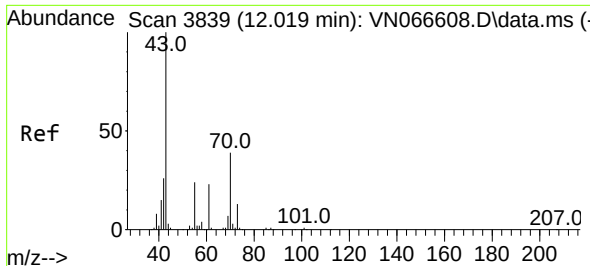
Tgt Ion:117 Resp: 349607
Ion Ratio Lower Upper
117 100
82 57.2 43.7 65.5
119 32.2 26.1 39.1



#72
1,4-Dichlorobenzene-d4
Concen: 50.00 ug/l
RT: 13.290 min Scan# 4313
Delta R.T. 0.002 min
Lab File: VN066617.D
Acq: 15 Apr 2021 17:31

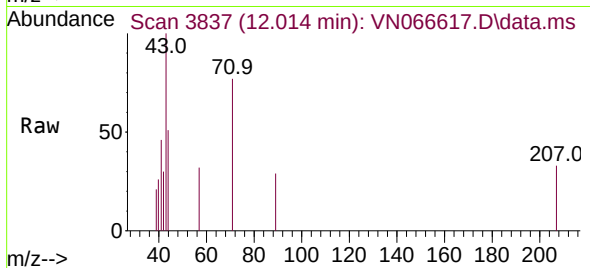
Tgt Ion:152 Resp: 138005
Ion Ratio Lower Upper
152 100
115 56.1 28.5 85.6
150 157.9 0.0 347.6



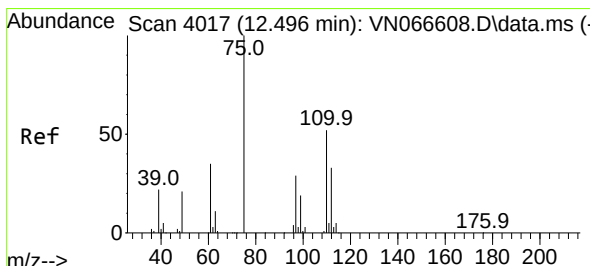
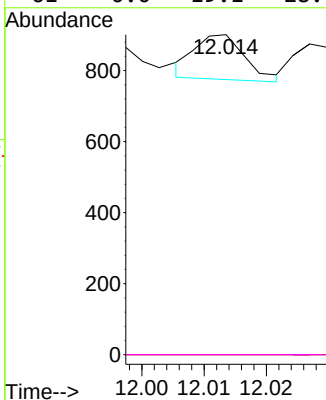
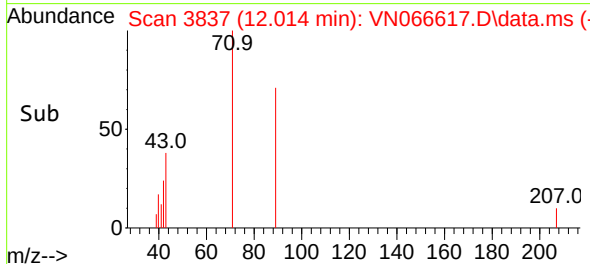


#74
N-amy1 acetate
Concen: 9.74 ug/l
RT: 12.014 min Scan# 3837
Delta R.T. -0.005 min
Lab File: VN066617.D
Acq: 15 Apr 2021 17:31

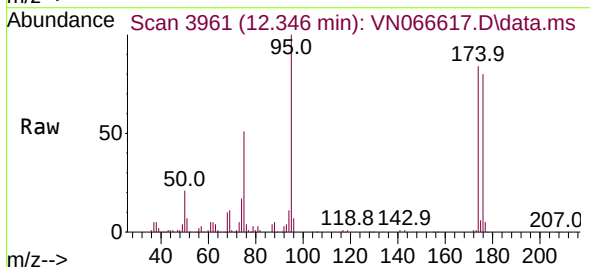
Instrument :
MSVOA_N
ClientSampleId :



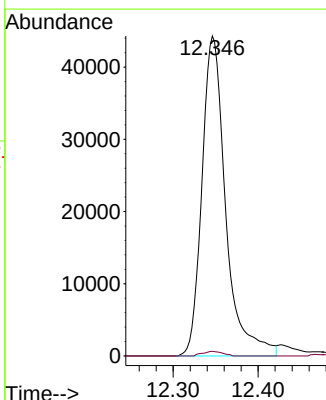
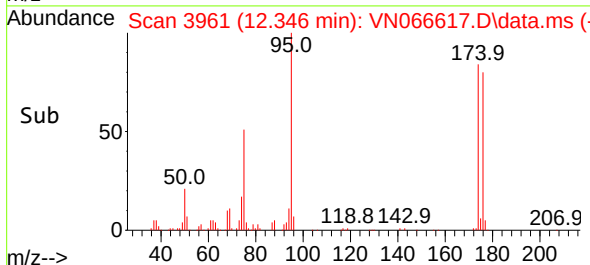
Tgt Ion: 43	Resp: 70
Ion Ratio	Lower Upper
43	100
70	0.0 34.4 51.6#
55	0.0 20.7 31.1#
61	0.0 19.1 28.7#

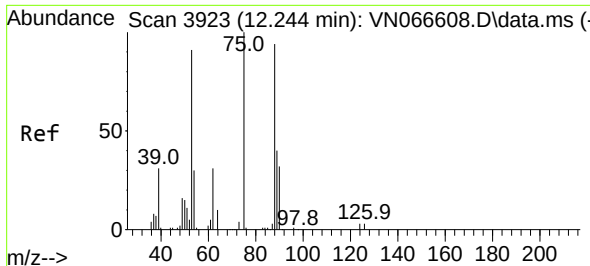


#76
1,2,3-Trichloropropane
Concen: 26.66 ug/l
RT: 12.346 min Scan# 3961
Delta R.T. -0.150 min
Lab File: VN066617.D
Acq: 15 Apr 2021 17:31



Tgt Ion: 75	Resp: 86026
Ion Ratio	Lower Upper
75	100
77	1.2 0.0 0.0#

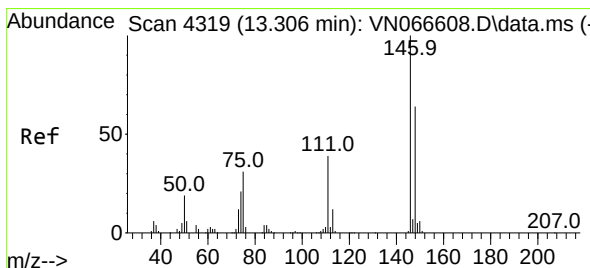
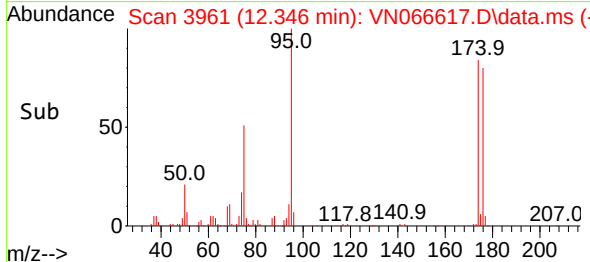
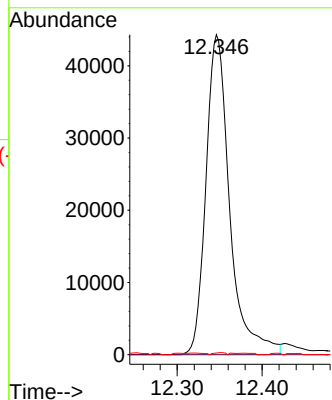
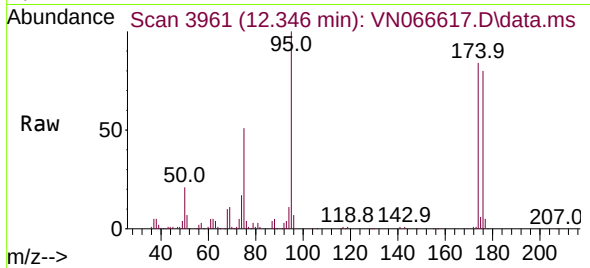




#81
trans-1,4-Dichloro-2-butene
Concen: 82.18 ug/l
RT: 12.346 min Scan# 3961
Delta R.T. 0.102 min
Lab File: VN066617.D
Acq: 15 Apr 2021 17:31

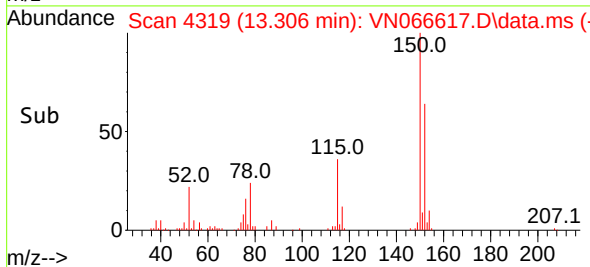
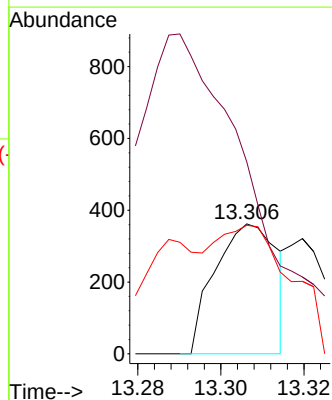
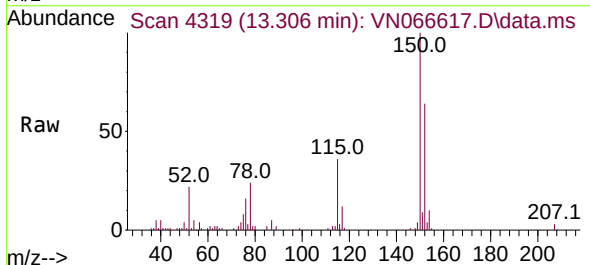
Instrument :
MSVOA_N
ClientSampleId :

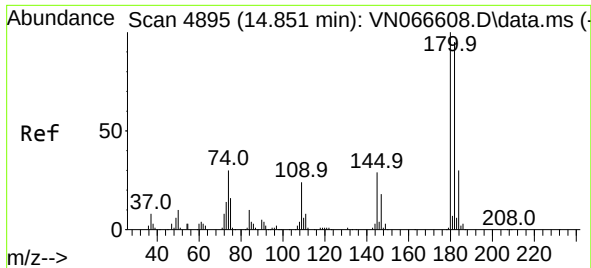
Tgt Ion: 75 Resp: 86026
Ion Ratio Lower Upper
75 100
53 0.0 74.6 111.8#
89 0.3 35.8 53.8#



#88
1,4-Dichlorobenzene
Concen: Below Cal
RT: 13.306 min Scan# 4319
Delta R.T. 0.000 min
Lab File: VN066617.D
Acq: 15 Apr 2021 17:31

Tgt Ion: 146 Resp: 373
Ion Ratio Lower Upper
146 100
111 462.7 19.0 57.0#
148 80.2 31.8 95.3

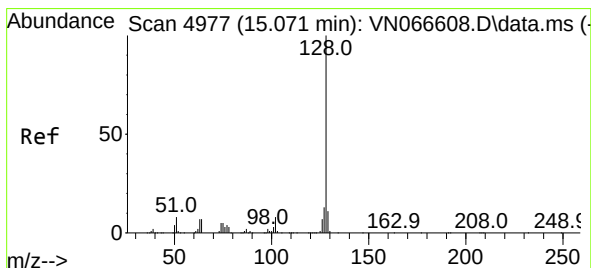
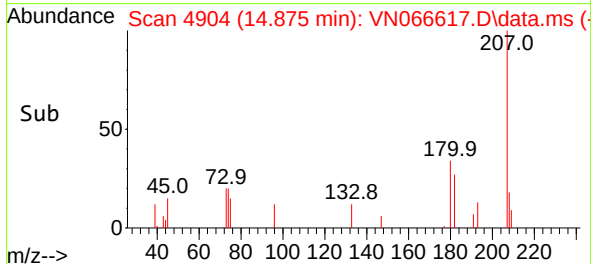
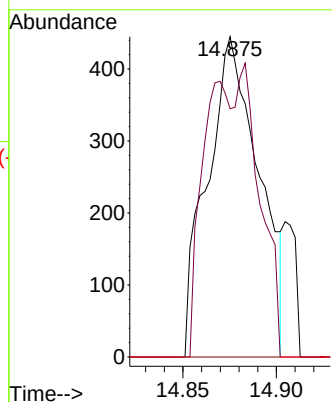
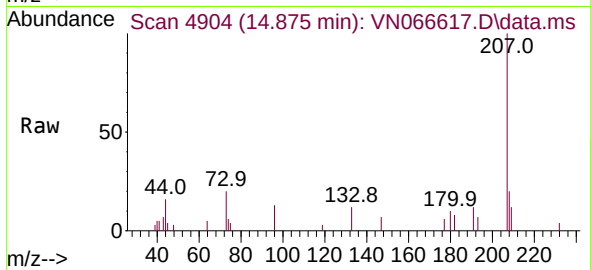




#93
1,2,4-Trichlorobenzene
Concen: 0.33 ug/l
RT: 14.875 min Scan# 4904
Delta R.T. 0.024 min
Lab File: VN066617.D
Acq: 15 Apr 2021 17:31

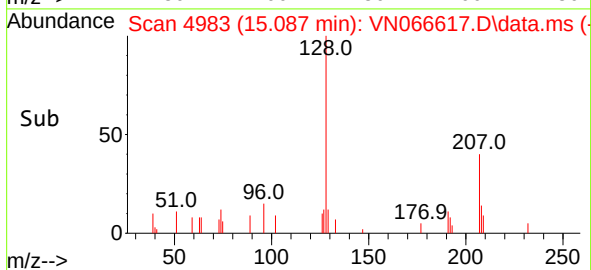
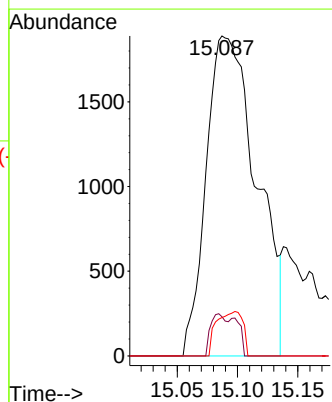
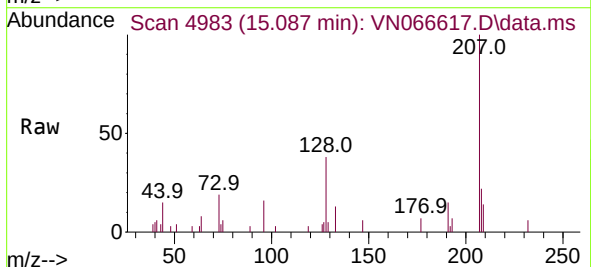
Instrument :
MSVOA_N
ClientSampled :

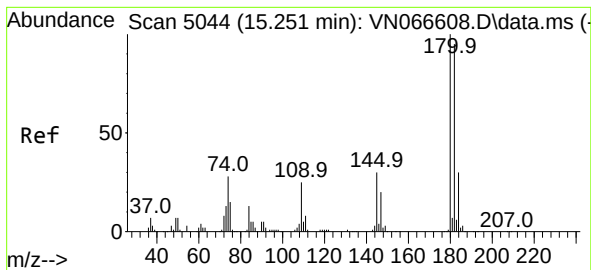
Tgt Ion:180 Resp: 853
Ion Ratio Lower Upper
180 100
182 48.1 47.3 142.0
145 0.0 15.6 46.8#



#95
Naphthalene
Concen: 0.78 ug/l
RT: 15.087 min Scan# 4983
Delta R.T. 0.016 min
Lab File: VN066617.D
Acq: 15 Apr 2021 17:31

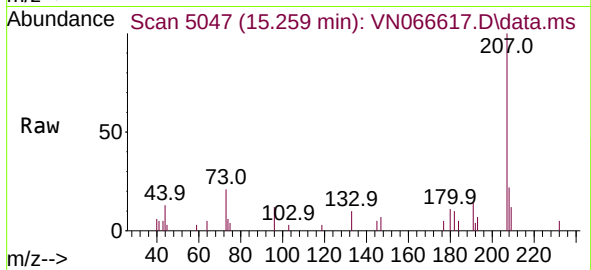
Tgt Ion:128 Resp: 5500
Ion Ratio Lower Upper
128 100
127 4.3 10.2 15.2#
129 7.2 8.6 13.0#





#96
 1,2,3-Trichlorobenzene
 Concen: 0.26 ug/l
 RT: 15.259 min Scan# 5047
 Delta R.T. 0.008 min
 Lab File: VN066617.D
 Acq: 15 Apr 2021 17:31

Instrument :
 MSVOA_N
 ClientSampleId :



Tgt Ion:180 Resp: 675
 Ion Ratio Lower Upper
 180 100
 182 162.1 47.4 142.3#
 145 49.3 16.5 49.5

