

Data Path : Z:\voasrv\HPCHEM1\MSVOA_N\Data\VN031821\
 Data File : VN066263.D
 Acq On : 18 Mar 2021 18:05
 Operator : JC/MD
 Sample : PB135215ZHE#10
 Misc : 5.00mL/MSVOA_N/WATER
 ALS Vial : 20 Sample Multiplier: 1

Instrument :
 MSVOA_N
 ClientSampleId :

Quant Time: Mar 19 04:29:05 2021
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA_N\methods\82N031621W.M
 Quant Title : SW846 8260
 QLast Update : Wed Mar 17 05:05:15 2021
 Response via : Initial Calibration

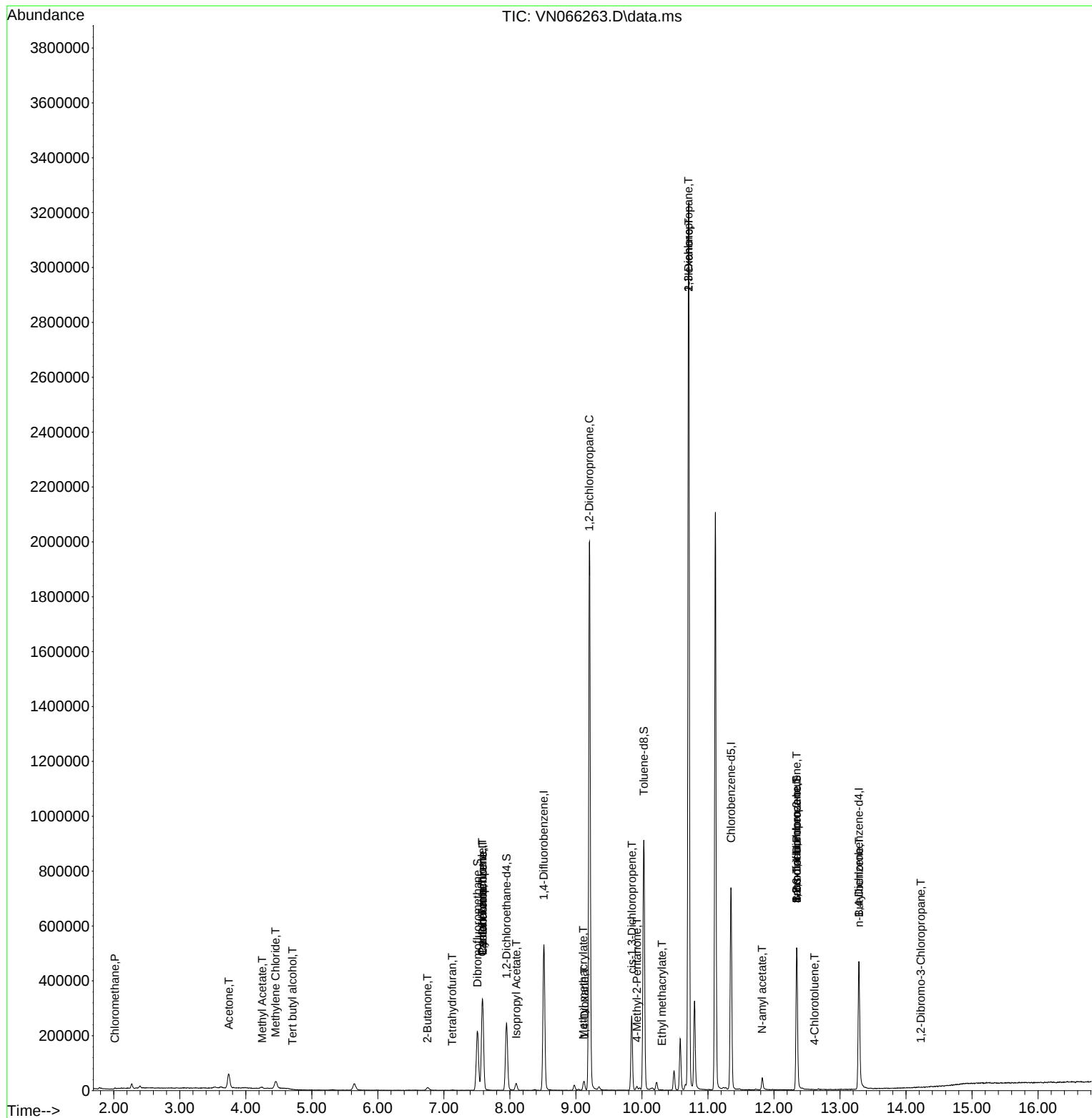
Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
Internal Standards						
1) Pentafluorobenzene	7.587	168	300580	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	8.515	114	462873	50.00	ug/l	0.00
63) Chlorobenzene-d5	11.350	117	418875	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.286	152	130143	50.00	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	7.949	65	204034	47.11	ug/l	0.00
Spiked Amount 50.000	Range 78 - 117		Recovery =	94.22%		
35) Dibromofluoromethane	7.509	113	164945	55.86	ug/l	0.00
Spiked Amount 50.000	Range 75 - 124		Recovery =	111.72%		
50) Toluene-d8	10.028	98	631234	55.29	ug/l	0.00
Spiked Amount 50.000	Range 92 - 112		Recovery =	110.58%		
62) 4-Bromofluorobenzene	12.345	95	175705	42.69	ug/l	0.00
Spiked Amount 50.000	Range 83 - 123		Recovery =	85.38%		
Target Compounds						
					Qvalue	
3) Chloromethane	2.019	50	2457	0.21	ug/l	93
11) Tert butyl alcohol	4.709	59	644	0.87	ug/l #	73
13) Acrolein	3.535	56	2648	Below Cal	#	65
16) Acetone	3.741	43	84225	40.49	ug/l	97
18) Methyl Acetate	4.248	43	7859	1.35	ug/l #	82
20) Methylene Chloride	4.452	84	17208	5.29	ug/l	88
25) 2-Butanone	6.750	43	5014	1.55	ug/l #	90
29) Tetrahydrofuran	7.126	42	726	0.33	ug/l #	53
31) Cyclohexane	7.587	56	4576	0.71	ug/l #	1
36) 1,1-Dichloropropene	7.587	75	18823	4.02	ug/l #	48
38) Carbon Tetrachloride	7.582	117	23793	5.66	ug/l #	19
43) Isopropyl Acetate	8.097	43	29981	2.89	ug/l #	95
45) 1,2-Dichloropropane	9.202	63	2415	0.59	ug/l #	44
48) Methyl methacrylate	9.110	41	9074	1.85	ug/l #	21
49) 1,4-Dioxane	9.132	88	57	1.07	ug/l #	1
51) 4-Methyl-2-Pentanone	9.926	43	9169	1.46	ug/l	92
54) cis-1,3-Dichloropropene	9.848	75	47912	7.88	ug/l #	53
56) Ethyl methacrylate	10.304	69	124	2.18	ug/l #	17
57) 1,3-Dichloropropane	10.706	76	31391	5.21	ug/l #	43
59) 2-Hexanone	10.709	43	458805	94.56	ug/l #	58
71) Bromoform	12.345	173	1017	0.41	ug/l #	1
74) N-amyl acetate	11.822	43	16349	5.25	ug/l #	61
76) 1,2,3-Trichloropropane	12.345	75	88073	26.21	ug/l #	100
81) trans-1,4-Dichloro-2-b...	12.345	75	88073	78.42	ug/l #	11
82) 4-Chlorotoluene	12.613	91	25	0.47	ug/l #	43
89) n-Butylbenzene	13.292	91	189	2.26	ug/l #	47
92) 1,2-Dibromo-3-Chloropr...	14.225	75	54	0.91	ug/l #	8

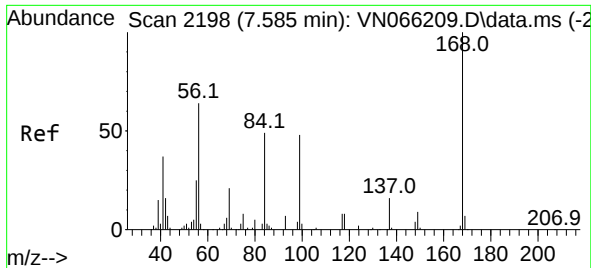
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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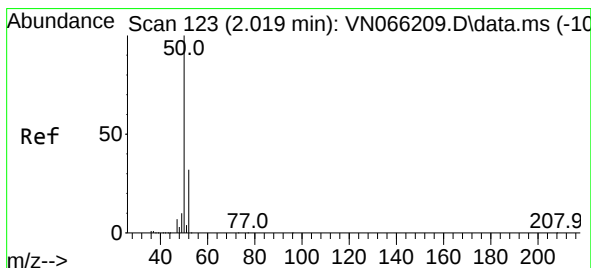
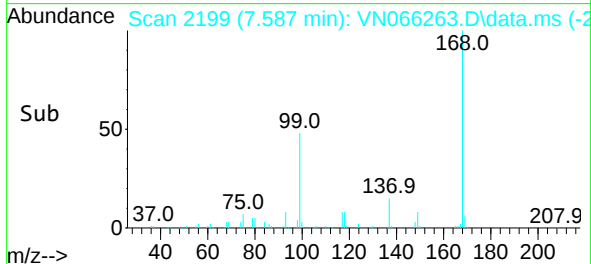
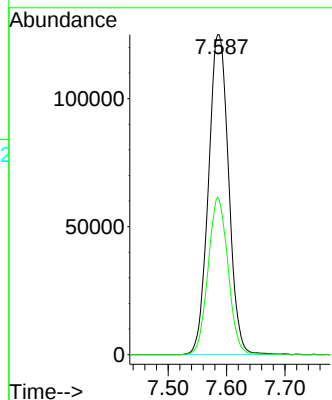
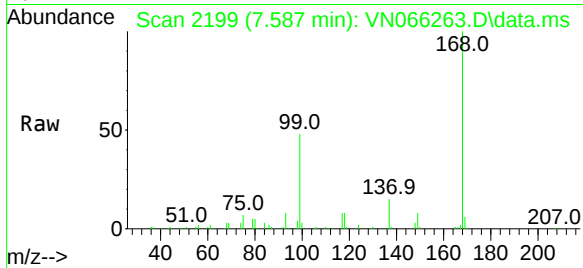




#1
Pentafluorobenzene
Concen: 50.00 ug/l
RT: 7.587 min Scan# 2199
Delta R.T. 0.002 min
Lab File: VN066263.D
Acq: 18 Mar 2021 18:05

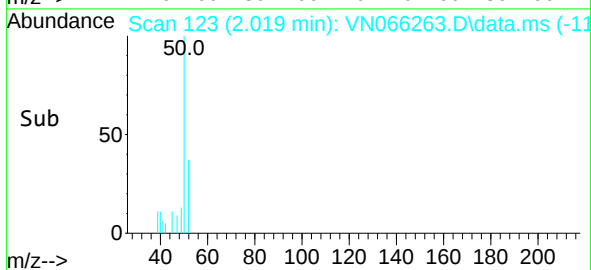
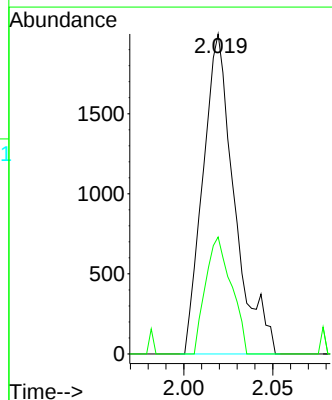
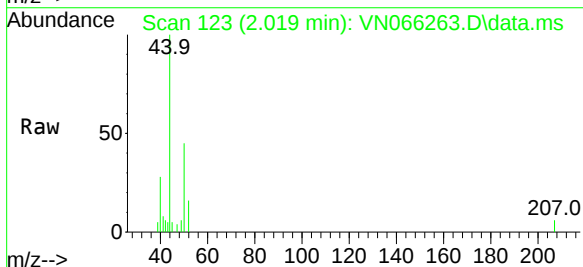
Instrument :
MSVOA_N
ClientSampled :

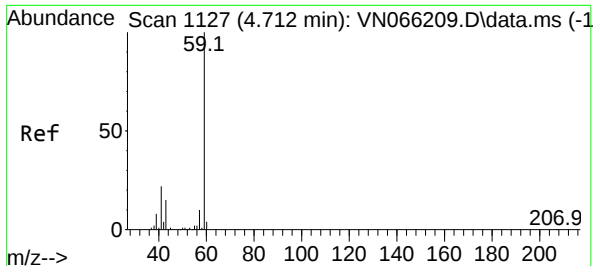
Tgt Ion:168 Resp: 300580
Ion Ratio Lower Upper
168 100
99 48.5 45.4 68.0



#3
Chloromethane
Concen: 0.21 ug/l
RT: 2.019 min Scan# 123
Delta R.T. 0.000 min
Lab File: VN066263.D
Acq: 18 Mar 2021 18:05

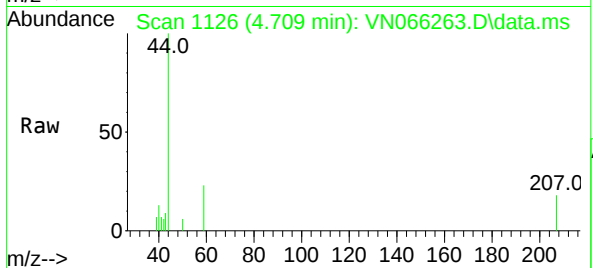
Tgt Ion: 50 Resp: 2457
Ion Ratio Lower Upper
50 100
52 36.5 26.2 39.4



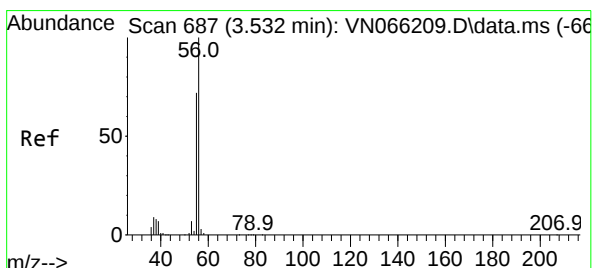
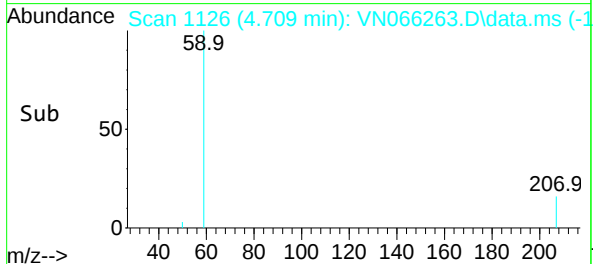
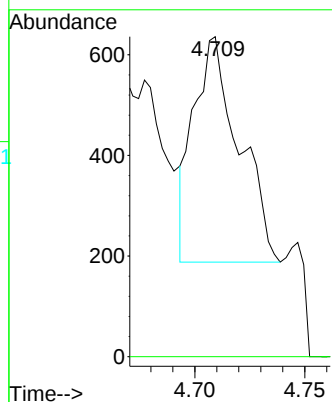


#11
Tert butyl alcohol
Concen: 0.87 ug/l
RT: 4.709 min Scan# 1126
Delta R.T. -0.003 min
Lab File: VN066263.D
Acq: 18 Mar 2021 18:05

Instrument :
MSVOA_N
ClientSampled :

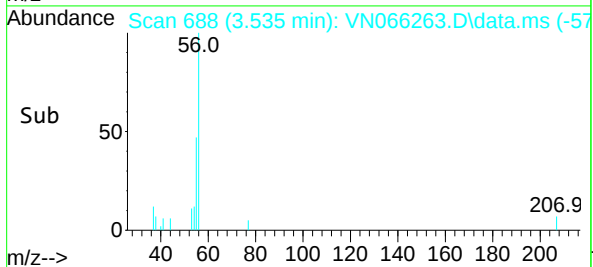
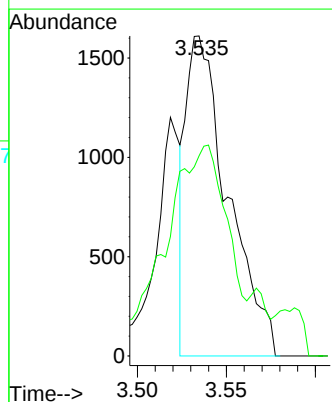
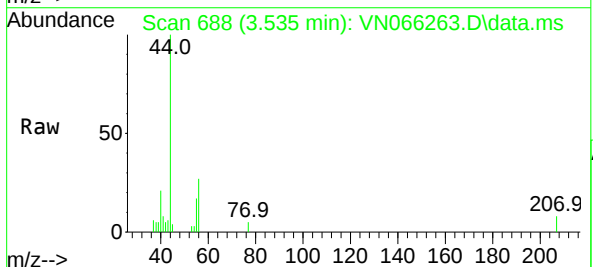


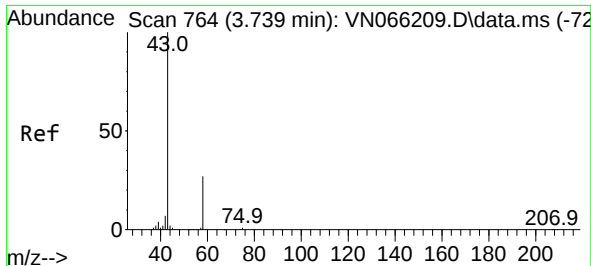
Tgt Ion: 59 Resp: 644
Ion Ratio Lower Upper
59 100
57 0.0 8.0 12.0#



#13
Acrolein
Concen: Below Cal
RT: 3.535 min Scan# 688
Delta R.T. 0.003 min
Lab File: VN066263.D
Acq: 18 Mar 2021 18:05

Tgt Ion: 56 Resp: 2648
Ion Ratio Lower Upper
56 100
55 101.7 58.0 87.0#

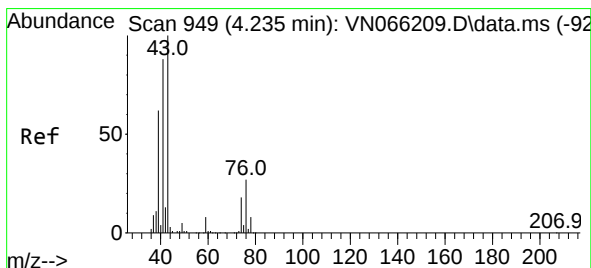
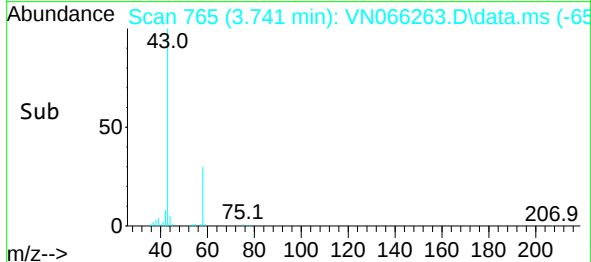
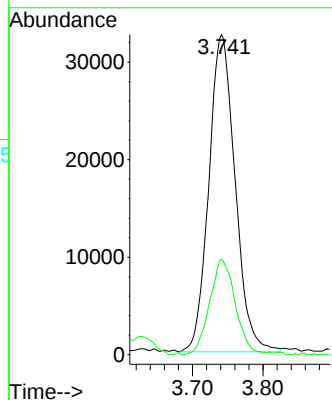
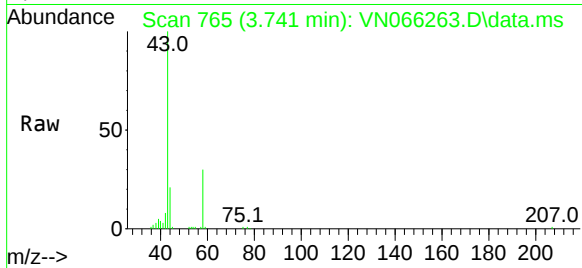




#16
Acetone
Concen: 40.49 ug/l
RT: 3.741 min Scan# 765
Delta R.T. 0.002 min
Lab File: VN066263.D
Acq: 18 Mar 2021 18:05

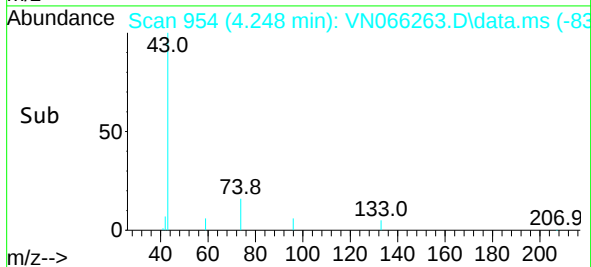
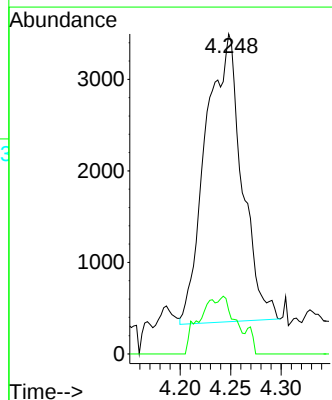
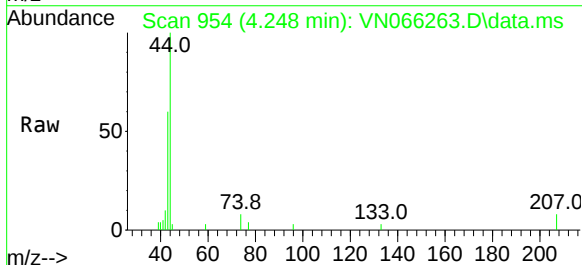
Instrument :
MSVOA_N
ClientSampled :

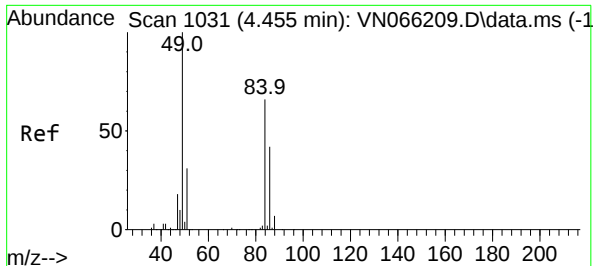
Tgt Ion: 43 Resp: 84225
Ion Ratio Lower Upper
43 100
58 29.7 22.3 33.5



#18
Methyl Acetate
Concen: 1.35 ug/l
RT: 4.248 min Scan# 954
Delta R.T. 0.013 min
Lab File: VN066263.D
Acq: 18 Mar 2021 18:05

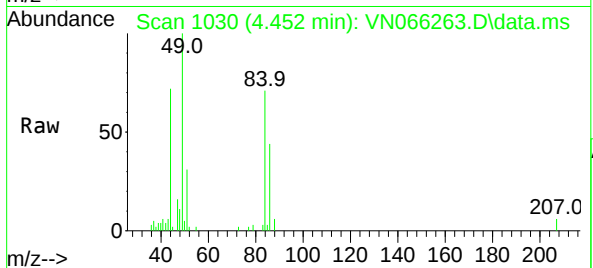
Tgt Ion: 43 Resp: 7859
Ion Ratio Lower Upper
43 100
74 9.6 14.2 21.2#



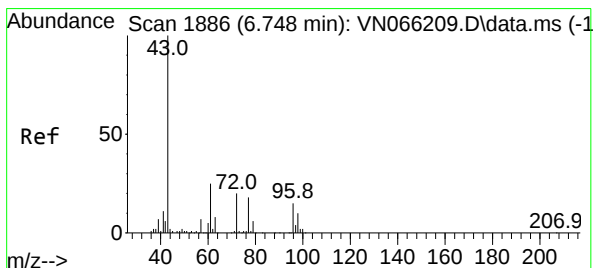
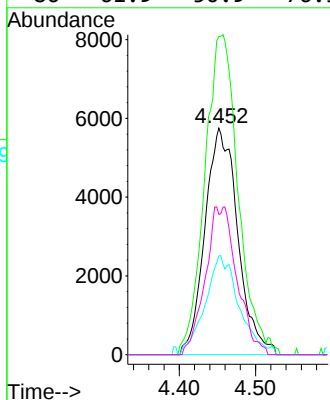
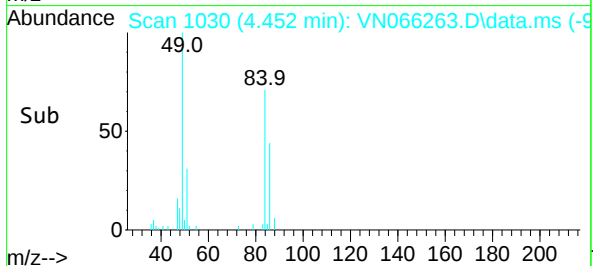


#20
Methylene Chloride
Concen: 5.29 ug/l
RT: 4.452 min Scan# 1030
Delta R.T. -0.003 min
Lab File: VN066263.D
Acq: 18 Mar 2021 18:05

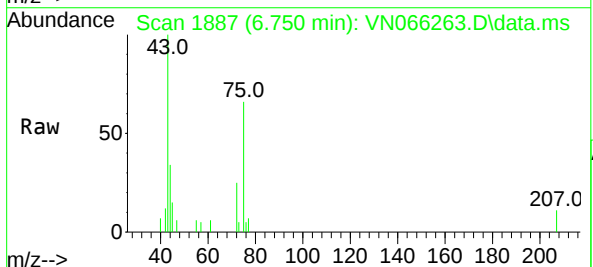
Instrument :
MSVOA_N
ClientSampleId :



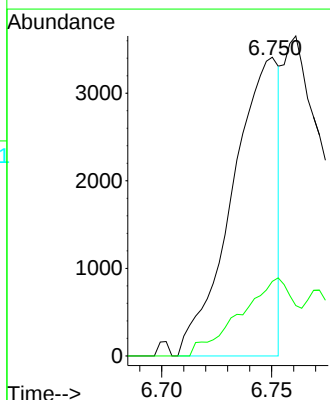
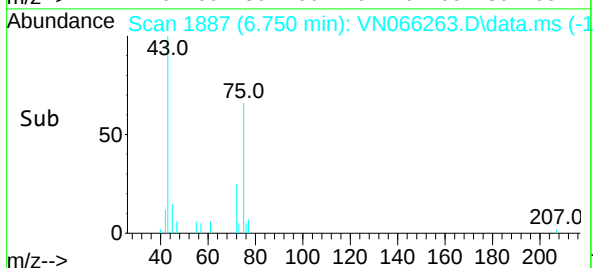
Tgt Ion:	84	Resp:	17208
Ion	Ratio	Lower	Upper
84	100		
49	140.4	130.0	195.0
51	43.7	39.1	58.7
86	61.9	50.9	76.3

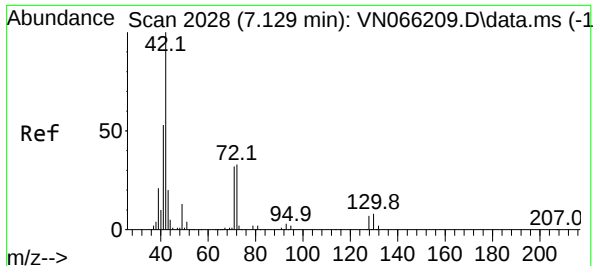


#25
2-Butanone
Concen: 1.55 ug/l
RT: 6.750 min Scan# 1887
Delta R.T. 0.002 min
Lab File: VN066263.D
Acq: 18 Mar 2021 18:05



Tgt Ion:	43	Resp:	5014
Ion	Ratio	Lower	Upper
43	100		
72	25.0	16.2	24.2#





#29

Tetrahydrofuran

Concen: 0.33 ug/l

RT: 7.126 min Scan# 2027

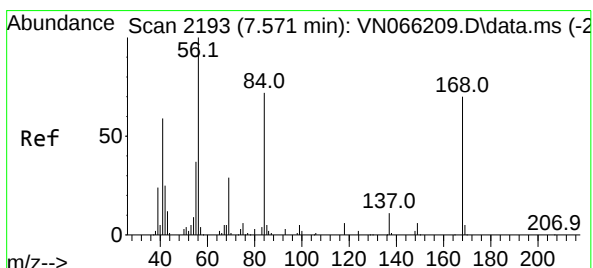
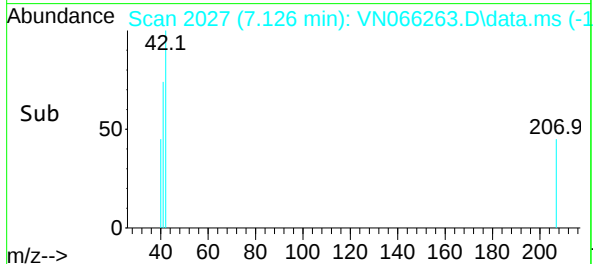
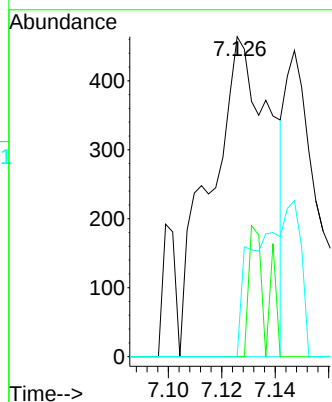
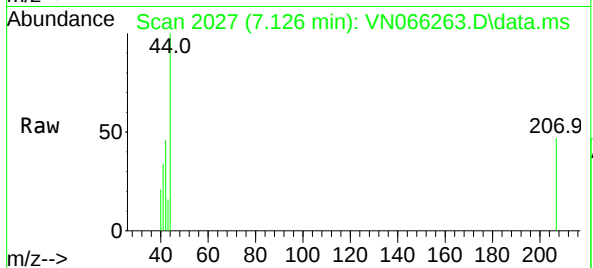
Delta R.T. -0.003 min

Lab File: VN066263.D

Acq: 18 Mar 2021 18:05

Tgt Ion:	42	Resp:	726
Ion	Ratio	Lower	Upper
42	100		
72	11.7	26.2	39.4#
71	0.0	25.4	38.2#

Instrument :
MSVOA_N
ClientSampleId :



#31

Cyclohexane

Concen: 0.71 ug/l

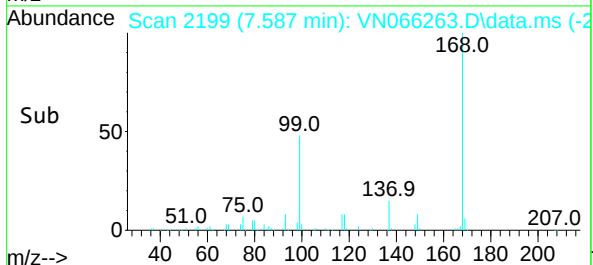
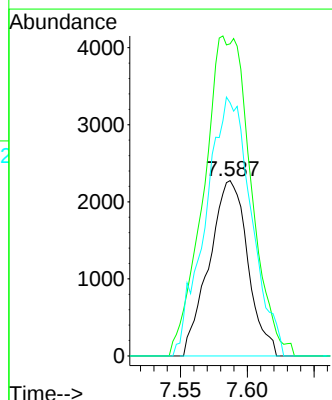
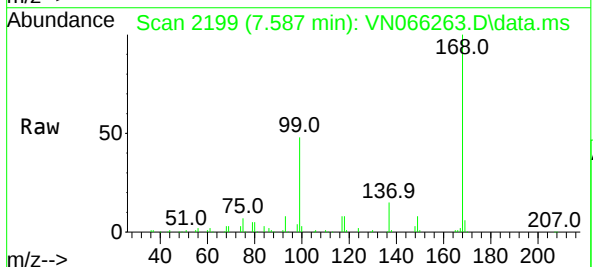
RT: 7.587 min Scan# 2199

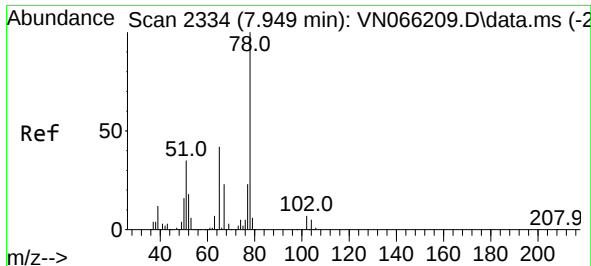
Delta R.T. 0.016 min

Lab File: VN066263.D

Acq: 18 Mar 2021 18:05

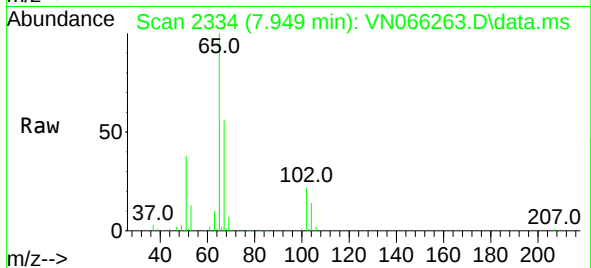
Tgt Ion:	56	Resp:	4576
Ion	Ratio	Lower	Upper
56	100		
69	169.5	23.4	35.0#
84	137.1	57.8	86.6#



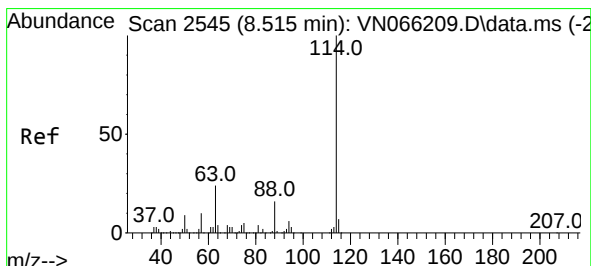
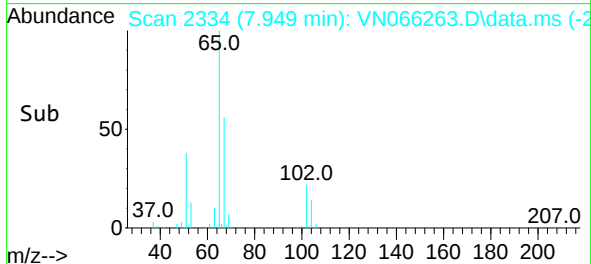
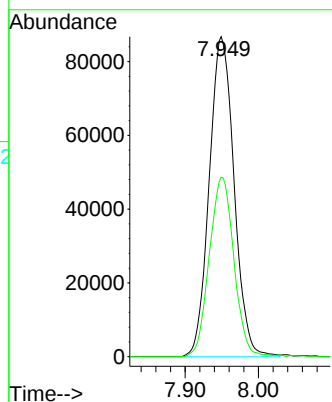


#33
 1,2-Dichloroethane-d4
 Concen: 47.11 ug/l
 RT: 7.949 min Scan# 2334
 Delta R.T. 0.000 min
 Lab File: VN066263.D
 Acq: 18 Mar 2021 18:05

Instrument :
 MSVOA_N
 ClientSampled :

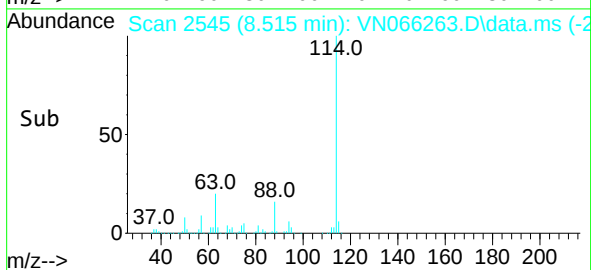
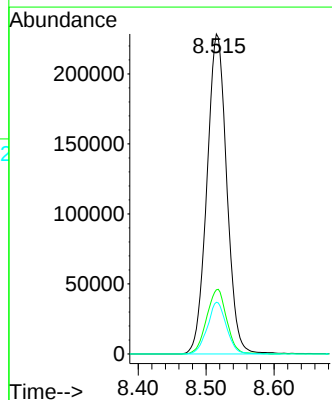
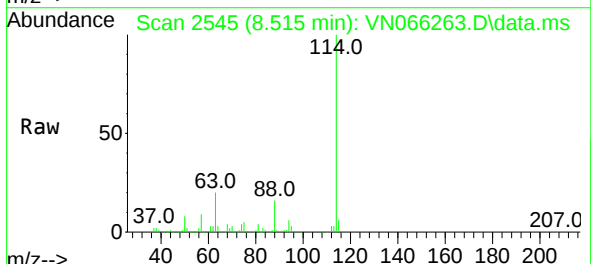


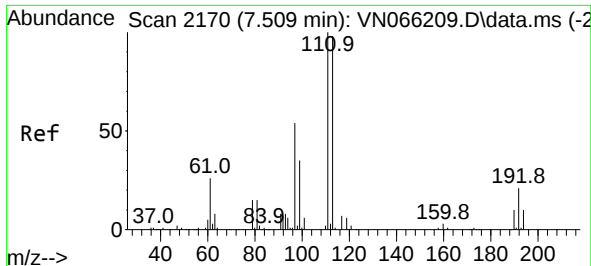
Tgt Ion: 65 Resp: 204034
 Ion Ratio Lower Upper
 65 100
 67 55.4 0.0 107.2



#34
 1,4-Difluorobenzene
 Concen: 50.00 ug/l
 RT: 8.515 min Scan# 2545
 Delta R.T. 0.000 min
 Lab File: VN066263.D
 Acq: 18 Mar 2021 18:05

Tgt Ion: 114 Resp: 462873
 Ion Ratio Lower Upper
 114 100
 63 20.1 0.0 49.2
 88 16.2 0.0 33.8

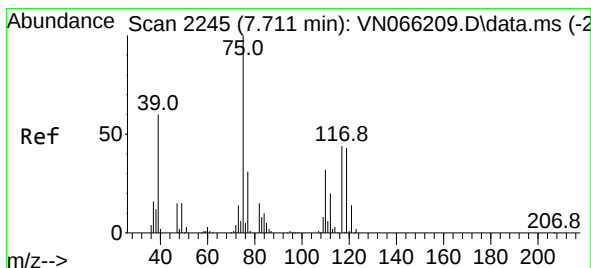
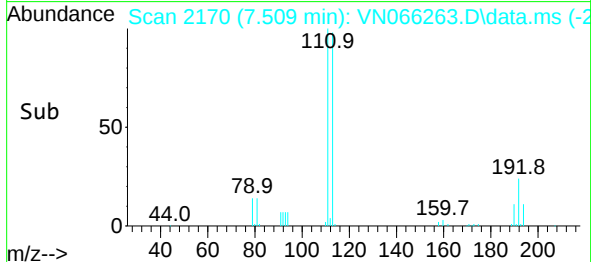
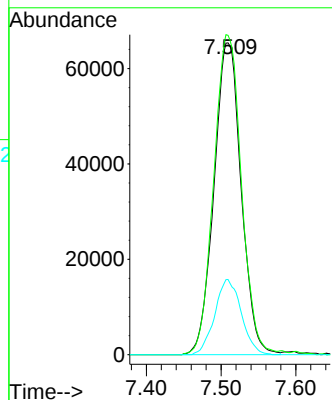
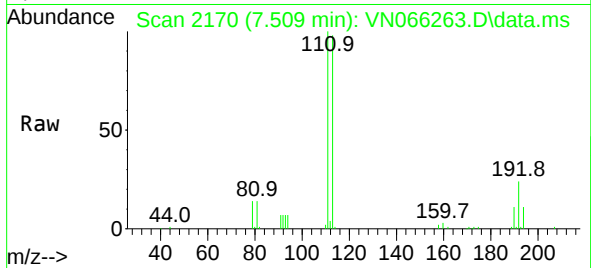




#35
Dibromofluoromethane
Concen: 55.86 ug/l
RT: 7.509 min Scan# 2170
Delta R.T. 0.000 min
Lab File: VN066263.D
Acq: 18 Mar 2021 18:05

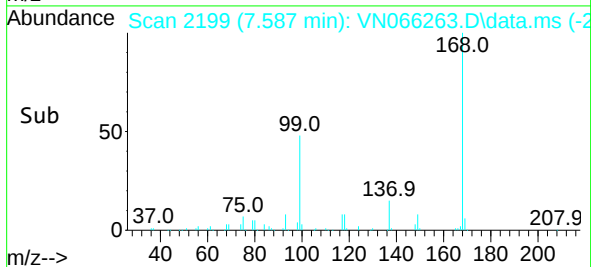
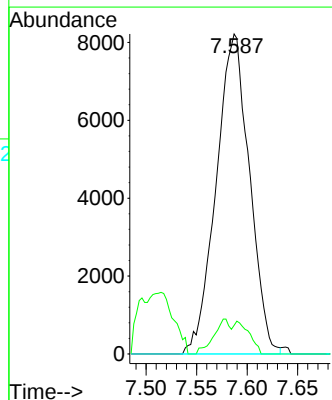
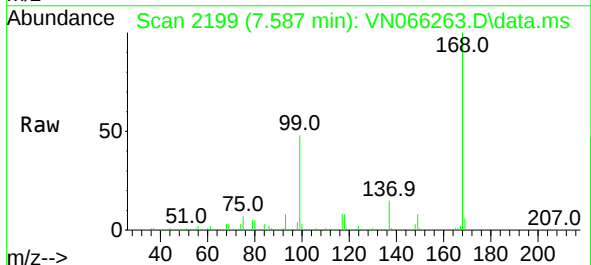
Instrument :
MSVOA_N
ClientSampleId :

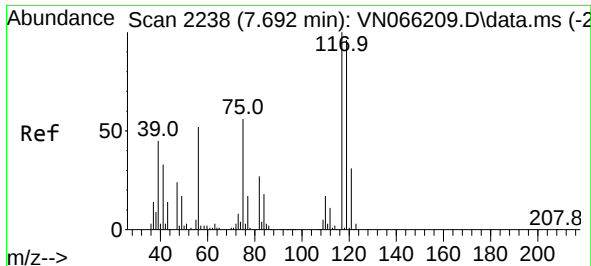
Tgt Ion:113 Resp: 164945
Ion Ratio Lower Upper
113 100
111 104.2 84.0 126.0
192 23.5 16.7 25.1



#36
1,1-Dichloropropene
Concen: 4.02 ug/l
RT: 7.587 min Scan# 2199
Delta R.T. -0.124 min
Lab File: VN066263.D
Acq: 18 Mar 2021 18:05

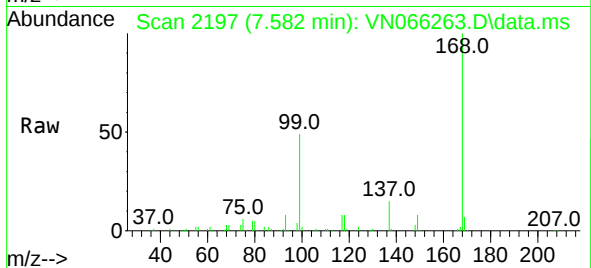
Tgt Ion: 75 Resp: 18823
Ion Ratio Lower Upper
75 100
110 5.5 16.0 48.0#
77 0.0 24.9 37.3#



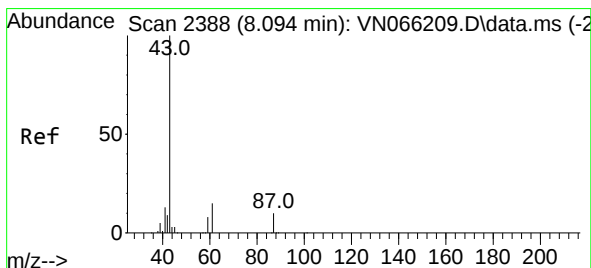
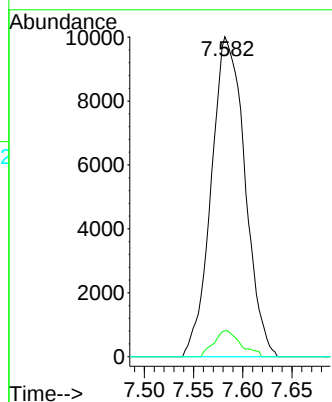
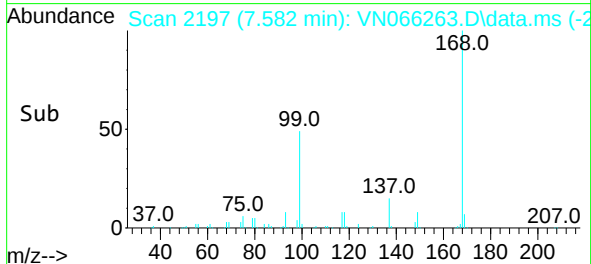


#38
Carbon Tetrachloride
Concen: 5.66 ug/l
RT: 7.582 min Scan# 2197
Delta R.T. -0.110 min
Lab File: VN066263.D
Acq: 18 Mar 2021 18:05

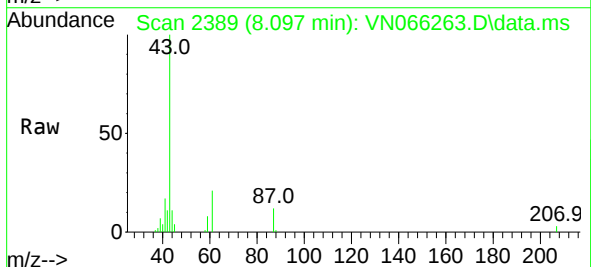
Instrument :
MSVOA_N
ClientSampled :



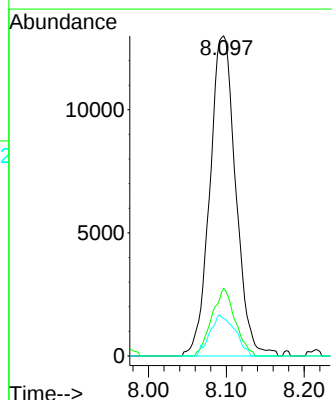
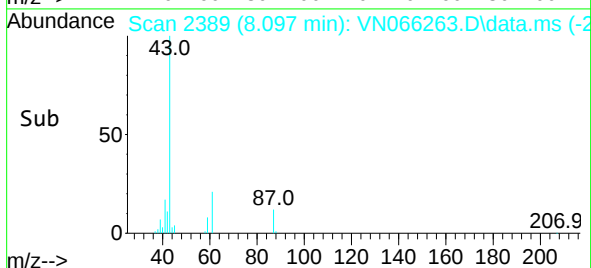
Tgt Ion:117 Resp: 23793
Ion Ratio Lower Upper
117 100
119 8.1 74.6 111.8#
121 0.0 23.9 35.9#

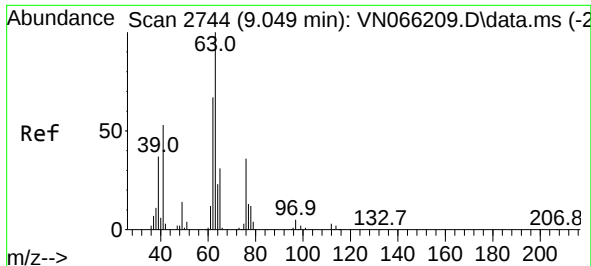


#43
Isopropyl Acetate
Concen: 2.89 ug/l
RT: 8.097 min Scan# 2389
Delta R.T. 0.003 min
Lab File: VN066263.D
Acq: 18 Mar 2021 18:05



Tgt Ion: 43 Resp: 29981
Ion Ratio Lower Upper
43 100
61 19.0 14.0 21.0
87 12.4 7.9 11.9#

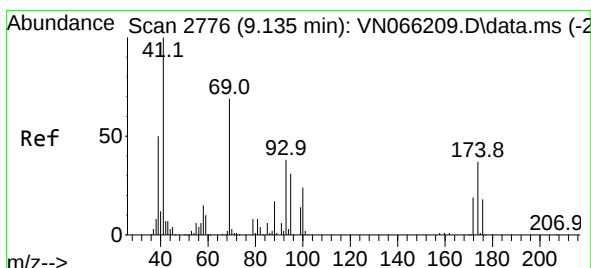
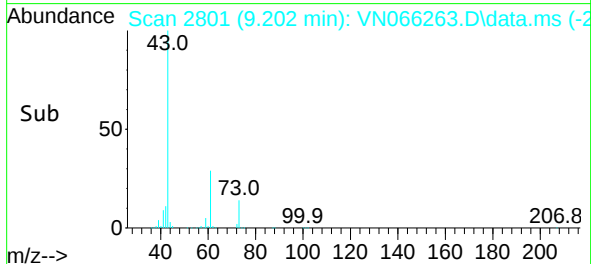
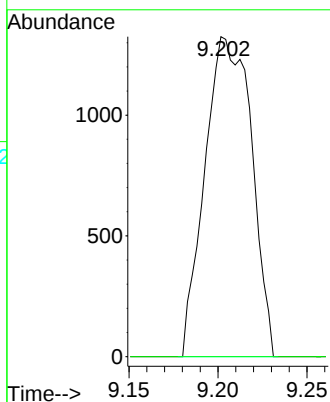
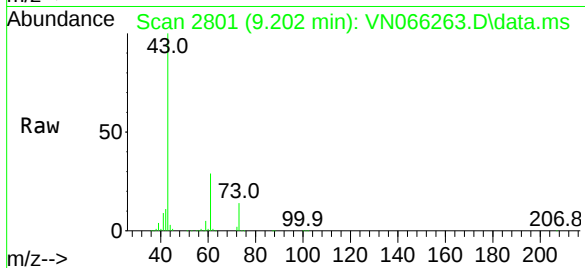




#45
1,2-Dichloropropane
Concen: 0.59 ug/l
RT: 9.202 min Scan# 2801
Delta R.T. 0.153 min
Lab File: VN066263.D
Acq: 18 Mar 2021 18:05

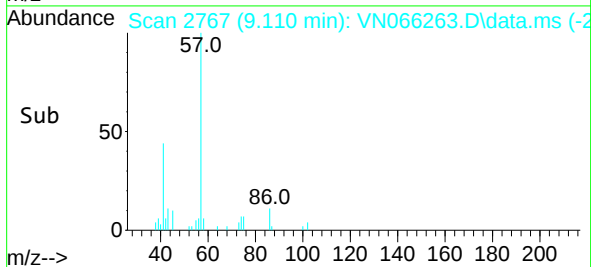
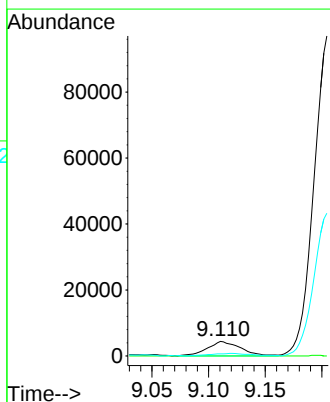
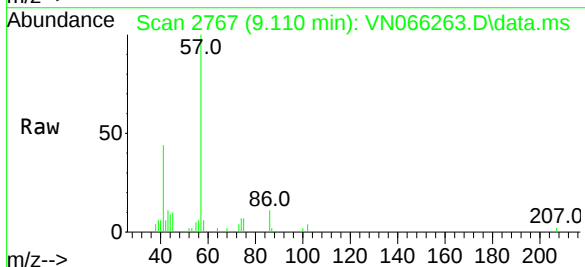
Instrument :
MSVOA_N
ClientSampled :

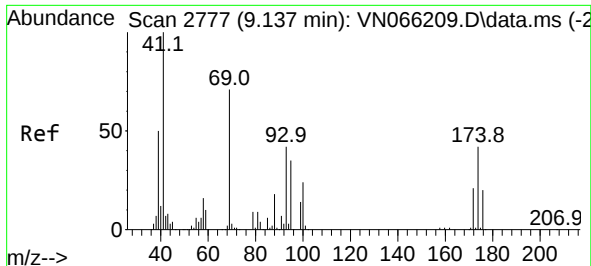
Tgt Ion: 63 Resp: 2415
Ion Ratio Lower Upper
63 100
65 0.0 24.6 37.0#



#48
Methyl methacrylate
Concen: 1.85 ug/l
RT: 9.110 min Scan# 2767
Delta R.T. -0.025 min
Lab File: VN066263.D
Acq: 18 Mar 2021 18:05

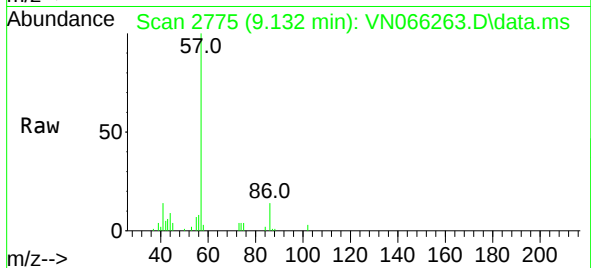
Tgt Ion: 41 Resp: 9074
Ion Ratio Lower Upper
41 100
69 0.0 54.7 82.1#
39 0.0 40.2 60.2#



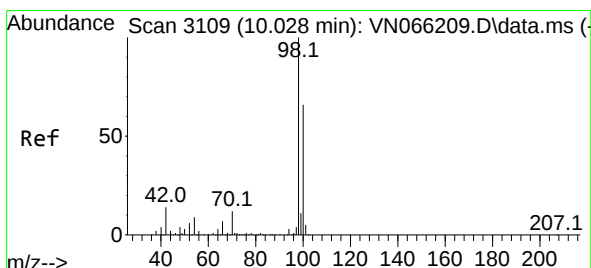
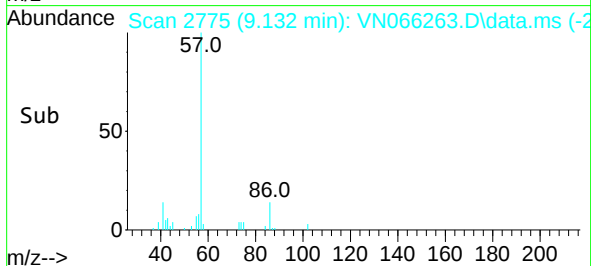
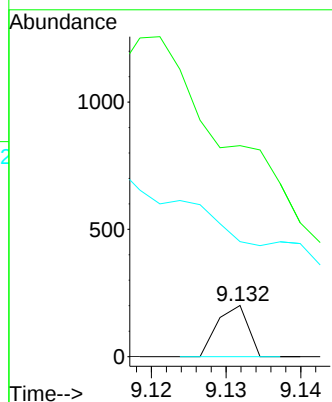


#49
1,4-Dioxane
Concen: 1.07 ug/l
RT: 9.132 min Scan# 2775
Delta R.T. -0.005 min
Lab File: VN066263.D
Acq: 18 Mar 2021 18:05

Instrument :
MSVOA_N
ClientSampled :

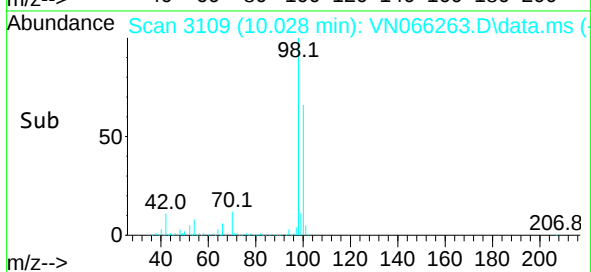
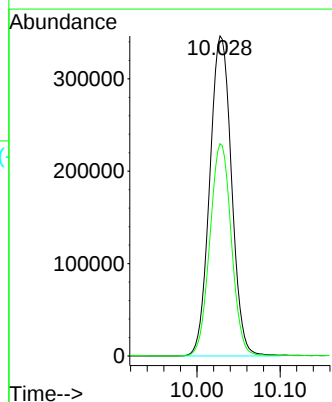
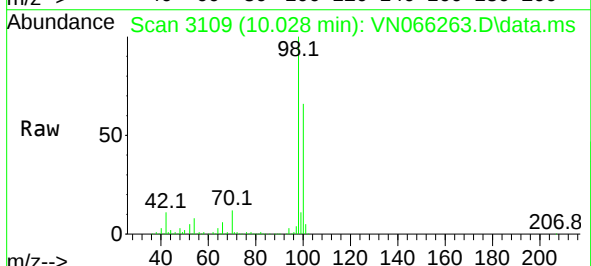


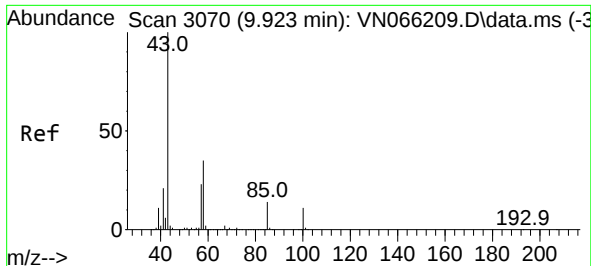
Tgt Ion: 88 Resp: 57
Ion Ratio Lower Upper
88 100
43 0.0 34.4 51.6#
58 2514.0 67.3 100.9#



#50
Toluene-d8
Concen: 55.29 ug/l
RT: 10.028 min Scan# 3109
Delta R.T. -0.000 min
Lab File: VN066263.D
Acq: 18 Mar 2021 18:05

Tgt Ion: 98 Resp: 631234
Ion Ratio Lower Upper
98 100
100 65.4 51.0 76.6

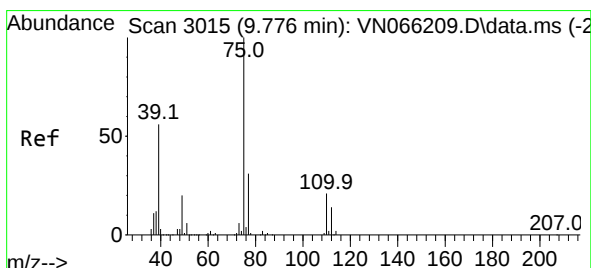
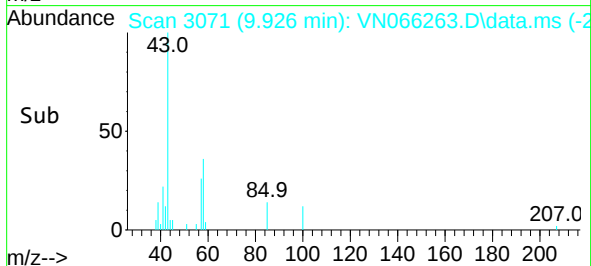
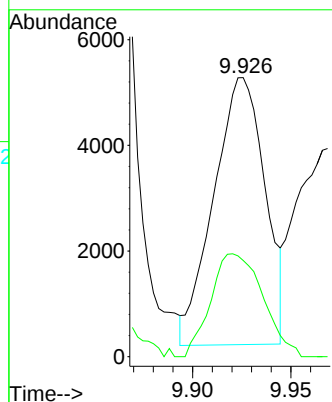
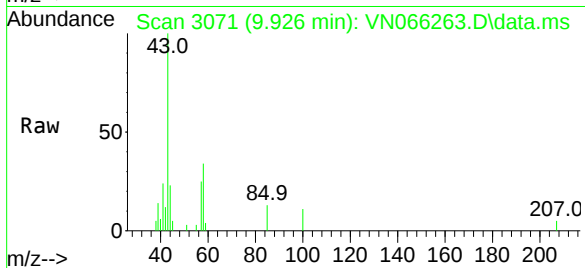




#51
4-Methyl-2-Pentanone
Concen: 1.46 ug/l
RT: 9.926 min Scan# 3071
Delta R.T. 0.003 min
Lab File: VN066263.D
Acq: 18 Mar 2021 18:05

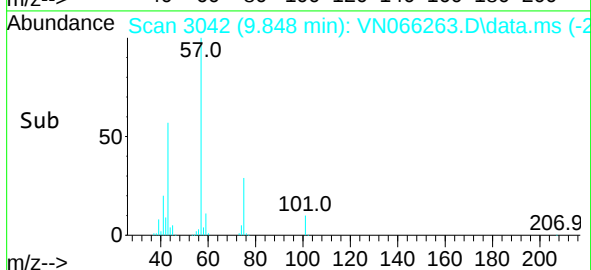
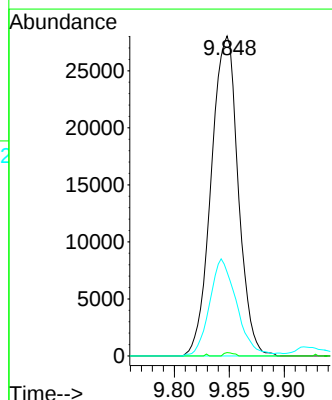
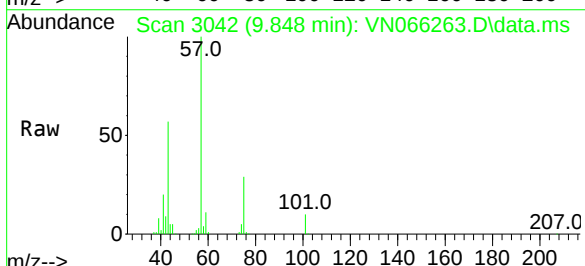
Instrument :
MSVOA_N
ClientSampled :

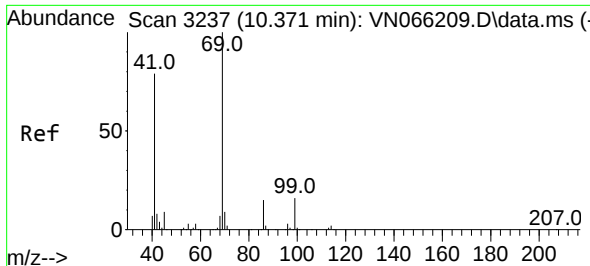
Tgt Ion: 43 Resp: 9169
Ion Ratio Lower Upper
43 100
58 39.1 27.5 41.3



#54
cis-1,3-Dichloropropene
Concen: 7.88 ug/l
RT: 9.848 min Scan# 3042
Delta R.T. 0.072 min
Lab File: VN066263.D
Acq: 18 Mar 2021 18:05

Tgt Ion: 75 Resp: 47912
Ion Ratio Lower Upper
75 100
77 1.0 25.0 37.4#
39 26.2 46.2 69.2#

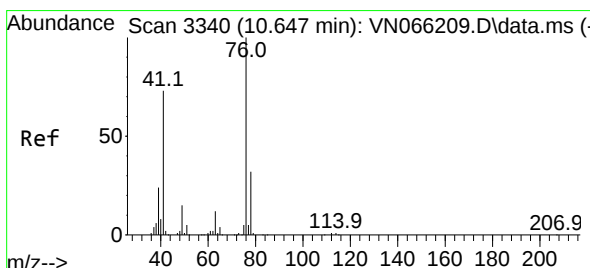
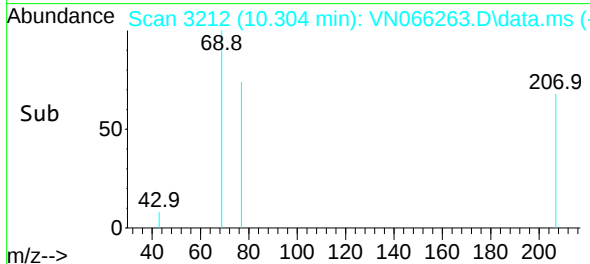
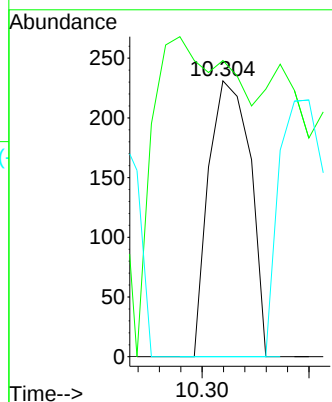
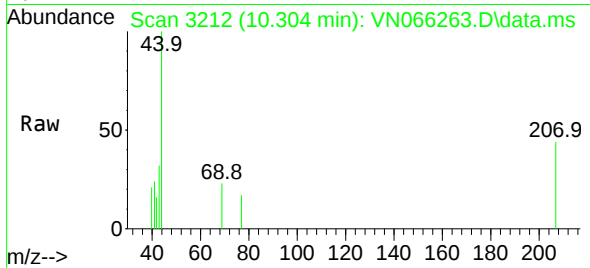




#56
Ethyl methacrylate
Concen: 2.18 ug/l
RT: 10.304 min Scan# 3212
Delta R.T. -0.067 min
Lab File: VN066263.D
Acq: 18 Mar 2021 18:05

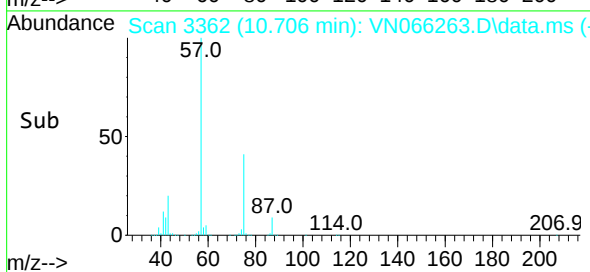
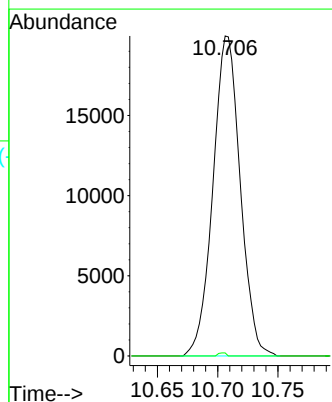
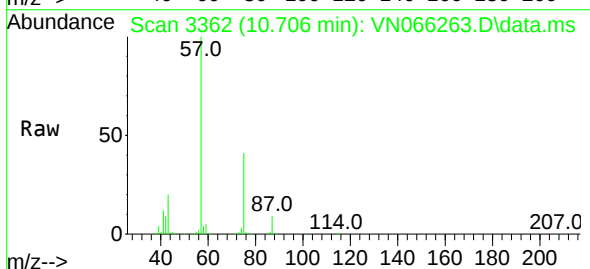
Instrument :
MSVOA_N
ClientSampled :

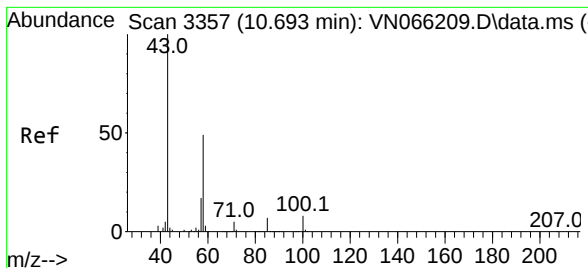
Tgt Ion: 69 Resp: 124
Ion Ratio Lower Upper
69 100
41 0.0 66.2 99.4#
39 0.0 31.5 47.3#



#57
1,3-Dichloropropane
Concen: 5.21 ug/l
RT: 10.706 min Scan# 3362
Delta R.T. 0.059 min
Lab File: VN066263.D
Acq: 18 Mar 2021 18:05

Tgt Ion: 76 Resp: 31391
Ion Ratio Lower Upper
76 100
78 0.3 25.4 38.2#

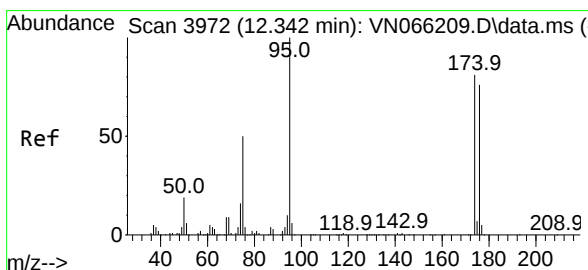
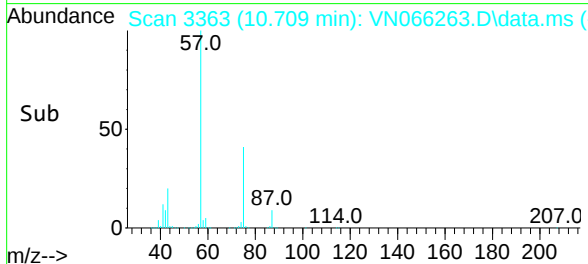
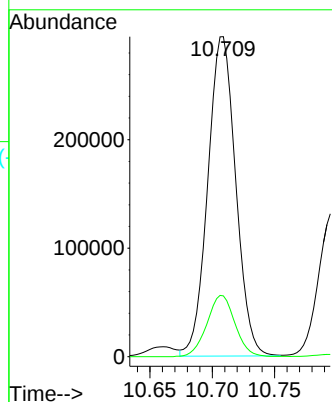
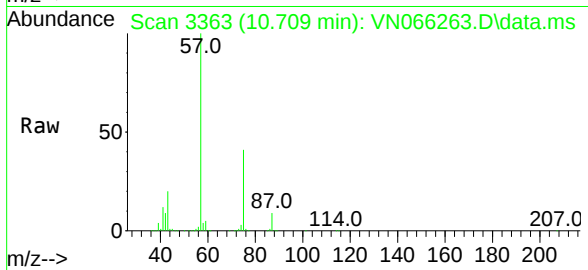




#59
2-Hexanone
Concen: 94.56 ug/l
RT: 10.709 min Scan# 3363
Delta R.T. 0.016 min
Lab File: VN066263.D
Acq: 18 Mar 2021 18:05

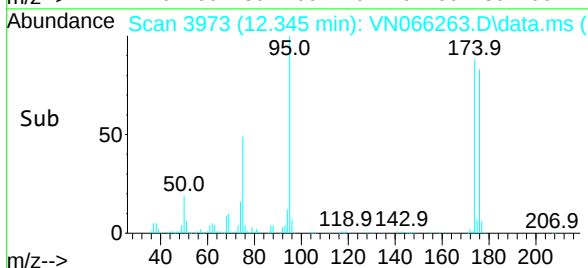
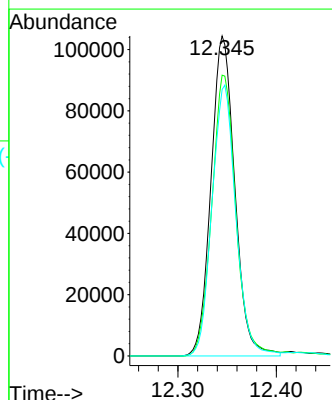
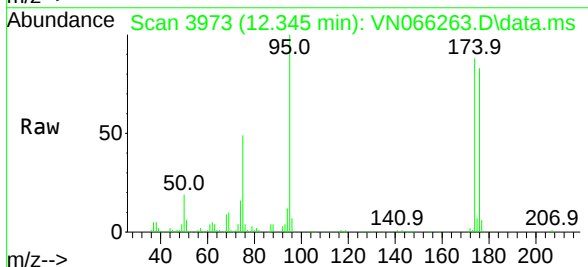
Instrument :
MSVOA_N
ClientSampled :

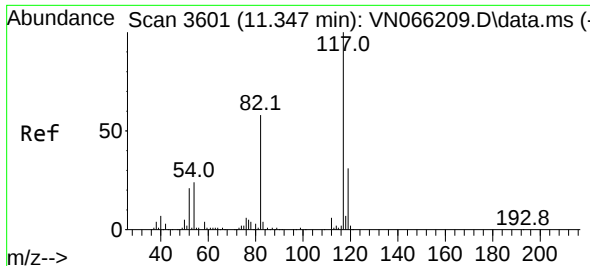
Tgt Ion: 43 Resp: 458805
Ion Ratio Lower Upper
43 100
58 19.3 23.8 71.5#



#62
4-Bromofluorobenzene
Concen: 42.69 ug/l
RT: 12.345 min Scan# 3973
Delta R.T. 0.003 min
Lab File: VN066263.D
Acq: 18 Mar 2021 18:05

Tgt Ion: 95 Resp: 175705
Ion Ratio Lower Upper
95 100
174 88.4 0.0 162.4
176 85.0 0.0 156.2

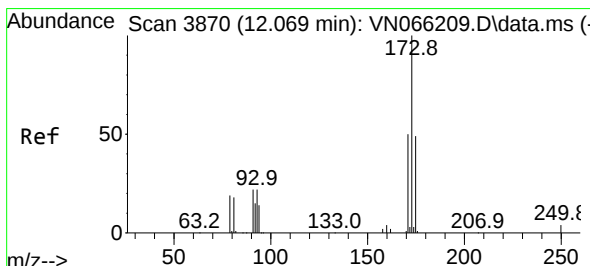
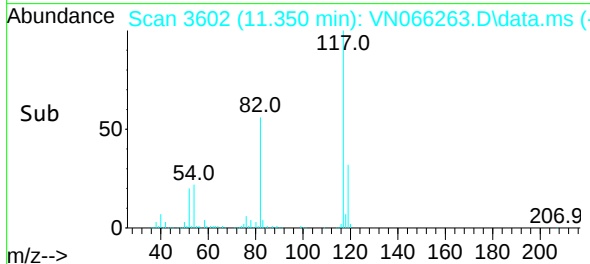
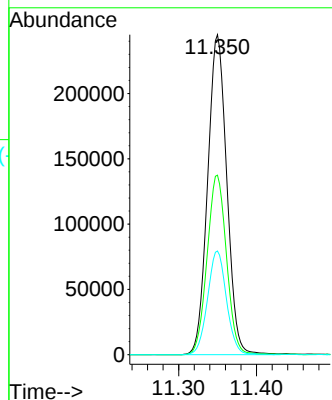
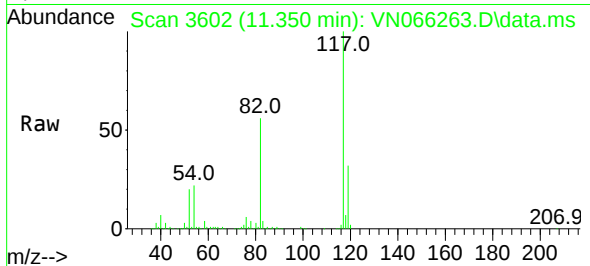




#63
Chlorobenzene-d5
Concen: 50.00 ug/l
RT: 11.350 min Scan# 3602
Delta R.T. 0.003 min
Lab File: VN066263.D
Acq: 18 Mar 2021 18:05

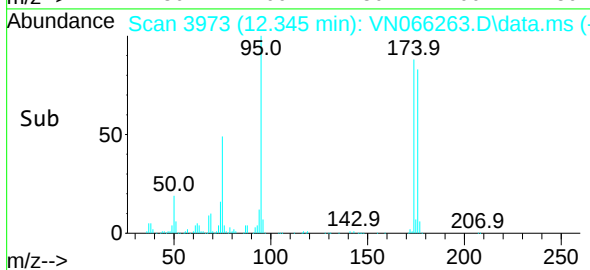
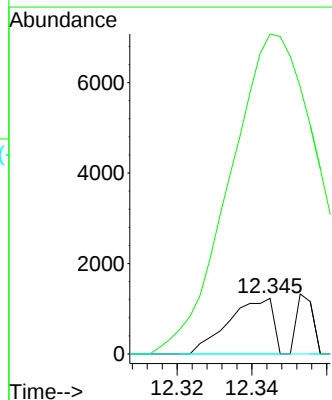
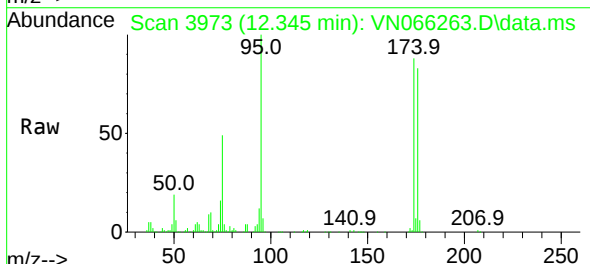
Instrument :
MSVOA_N
ClientSampleId :

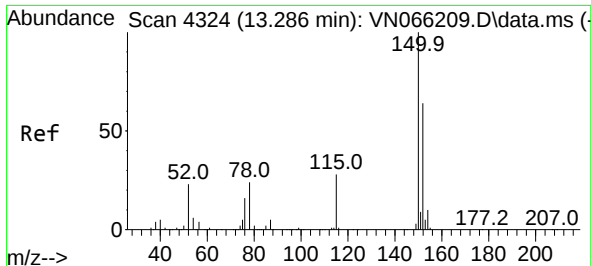
Tgt Ion:117 Resp: 418875
Ion Ratio Lower Upper
117 100
82 56.1 49.0 73.6
119 32.4 25.7 38.5



#71
Bromoform
Concen: 0.41 ug/l
RT: 12.345 min Scan# 3973
Delta R.T. 0.276 min
Lab File: VN066263.D
Acq: 18 Mar 2021 18:05

Tgt Ion:173 Resp: 1017
Ion Ratio Lower Upper
173 100
175 1032.3 23.9 71.8#
254 0.0 0.0 0.0

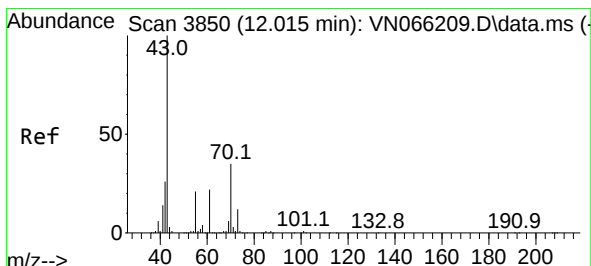
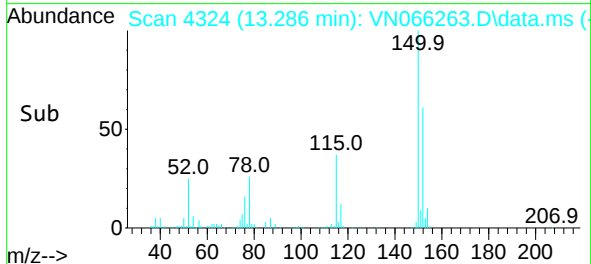
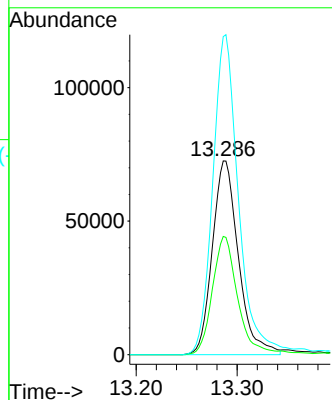
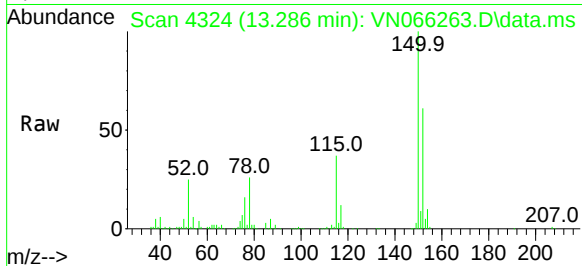




#72
1,4-Dichlorobenzene-d4
Concen: 50.00 ug/l
RT: 13.286 min Scan# 4324
Delta R.T. 0.000 min
Lab File: VN066263.D
Acq: 18 Mar 2021 18:05

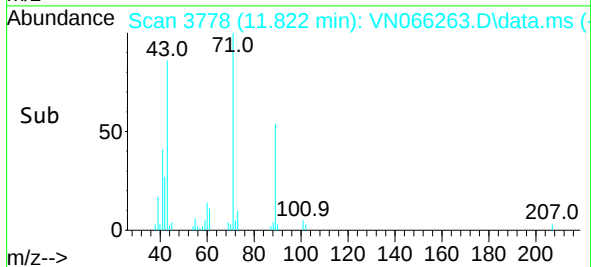
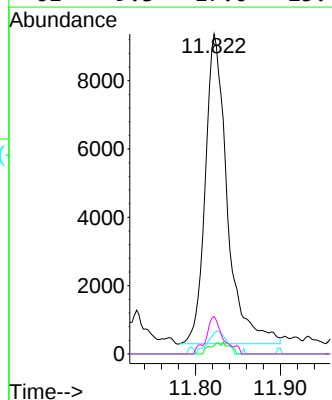
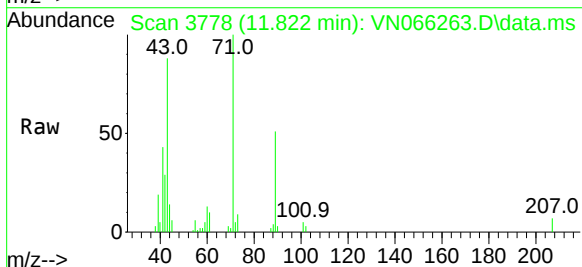
Instrument :
MSVOA_N
ClientSampleId :

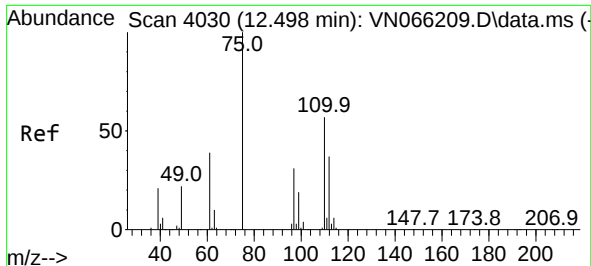
Tgt Ion:152 Resp: 130143
Ion Ratio Lower Upper
152 100
115 60.0 29.4 88.3
150 163.0 0.0 352.2



#74
N-ethyl acetate
Concen: 5.25 ug/l
RT: 11.822 min Scan# 3778
Delta R.T. -0.193 min
Lab File: VN066263.D
Acq: 18 Mar 2021 18:05

Tgt Ion: 43 Resp: 16349
Ion Ratio Lower Upper
43 100
70 3.3 26.2 39.4#
55 6.2 17.2 25.8#
61 9.3 17.0 25.4#

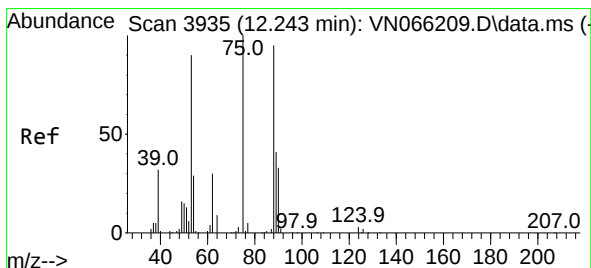
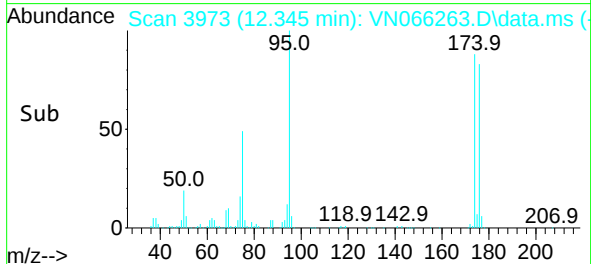
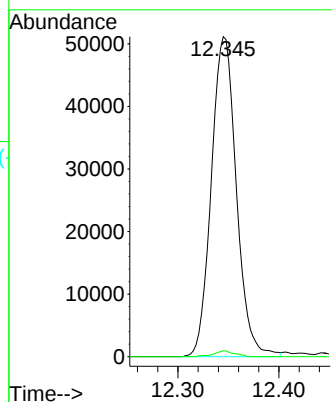
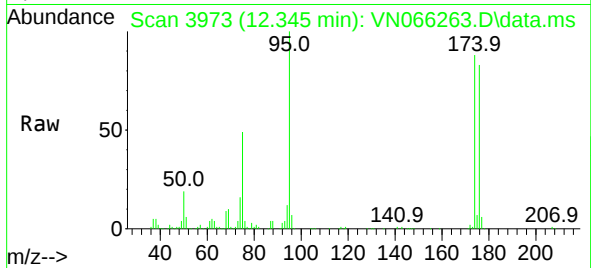




#76
1,2,3-Trichloropropane
Concen: 26.21 ug/l
RT: 12.345 min Scan# 3973
Delta R.T. -0.153 min
Lab File: VN066263.D
Acq: 18 Mar 2021 18:05

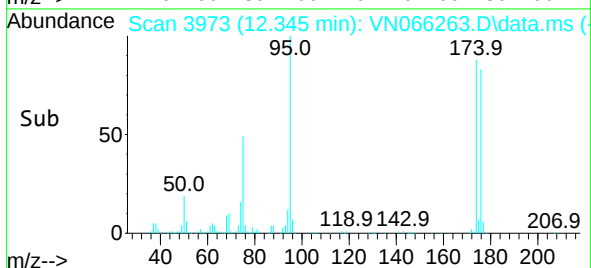
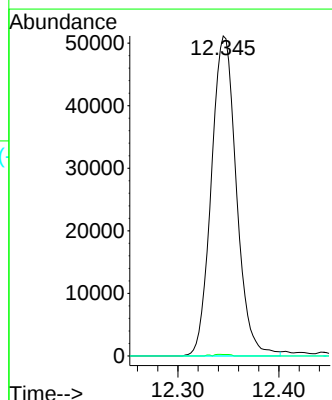
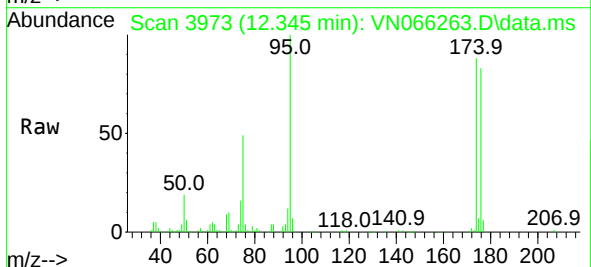
Instrument :
MSVOA_N
ClientSampled :

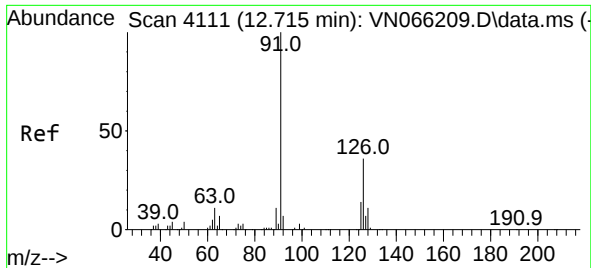
Tgt Ion: 75 Resp: 88073
Ion Ratio Lower Upper
75 100
77 1.5 0.0 0.0#



#81
trans-1,4-Dichloro-2-butene
Concen: 78.42 ug/l
RT: 12.345 min Scan# 3973
Delta R.T. 0.102 min
Lab File: VN066263.D
Acq: 18 Mar 2021 18:05

Tgt Ion: 75 Resp: 88073
Ion Ratio Lower Upper
75 100
53 0.3 77.8 116.6#
89 0.0 33.7 50.5#

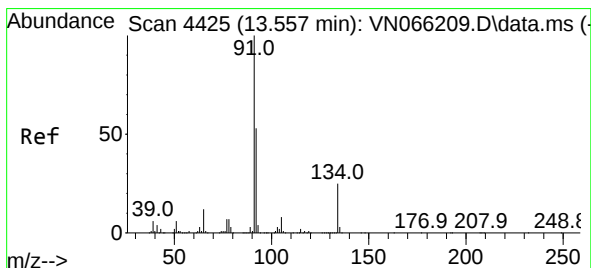
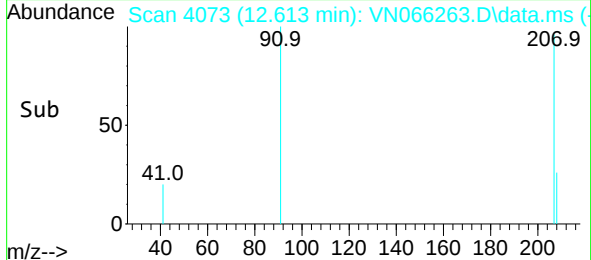
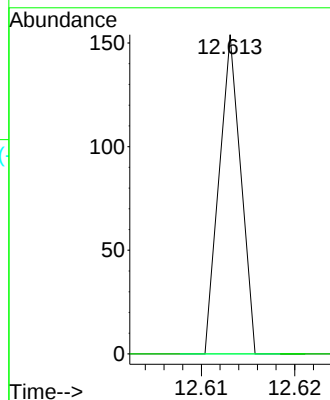
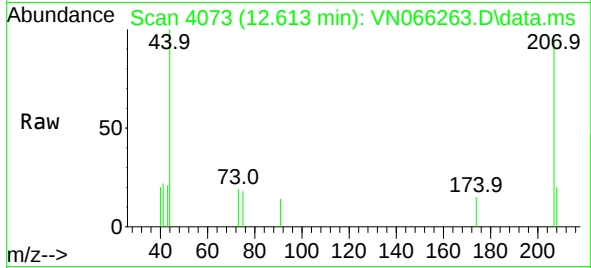




#82
4-Chlorotoluene
Concen: 0.47 ug/l
RT: 12.613 min Scan# 4073
Delta R.T. -0.102 min
Lab File: VN066263.D
Acq: 18 Mar 2021 18:05

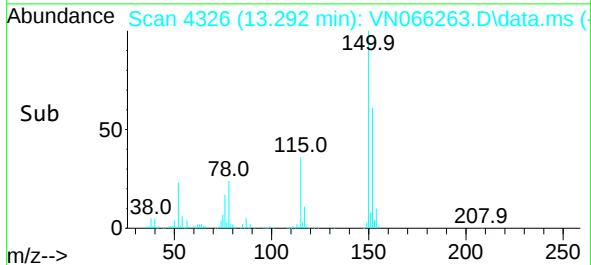
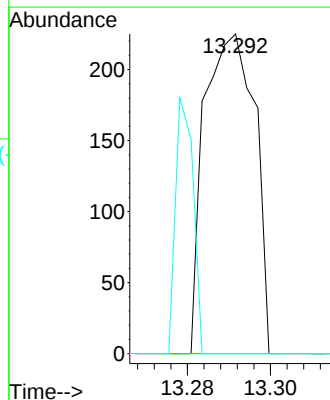
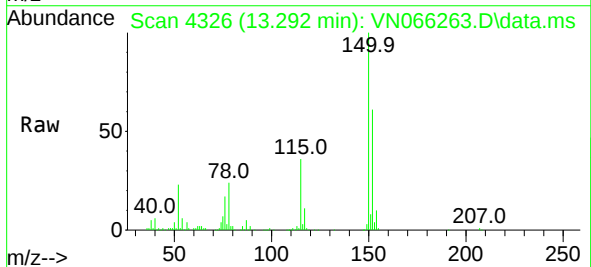
Instrument :
MSVOA_N
ClientSampled :

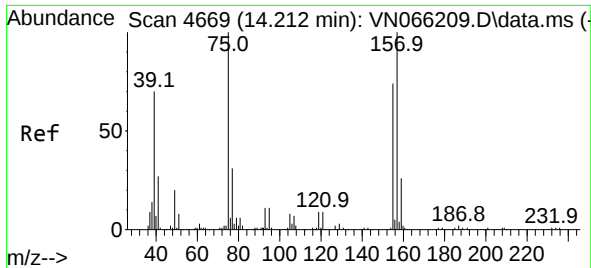
Tgt Ion: 91 Resp: 25
Ion Ratio Lower Upper
91 100
126 0.0 15.7 47.1#



#89
n-Butylbenzene
Concen: 2.26 ug/l
RT: 13.292 min Scan# 4326
Delta R.T. -0.265 min
Lab File: VN066263.D
Acq: 18 Mar 2021 18:05

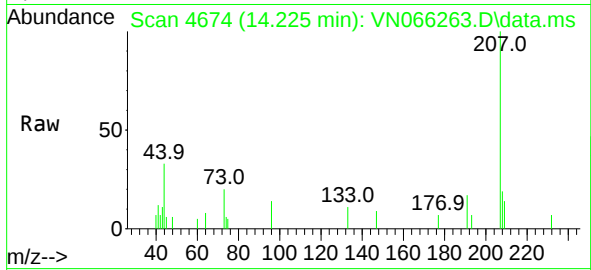
Tgt Ion: 91 Resp: 189
Ion Ratio Lower Upper
91 100
92 0.0 25.7 77.0#
134 28.0 11.8 35.4





#92
 1,2-Dibromo-3-Chloropropane
 Concen: 0.91 ug/l
 RT: 14.225 min Scan# 4674
 Delta R.T. 0.013 min
 Lab File: VN066263.D
 Acq: 18 Mar 2021 18:05

Instrument :
 MSVOA_N
 ClientSampleId :



Tgt Ion: 75 Resp: 54
 Ion Ratio Lower Upper
 75 100
 155 0.0 36.5 109.7#
 157 0.0 46.3 138.8#

