

Data Path : Z:\voasrv\HPCHEM1\MSVOA_N\Data\VN031821\
 Data File : VN066262.D
 Acq On : 18 Mar 2021 17:42
 Operator : JC/MD
 Sample : PB135215ZHE#09
 Misc : 5.00mL/MSVOA_N/WATER
 ALS Vial : 19 Sample Multiplier: 1

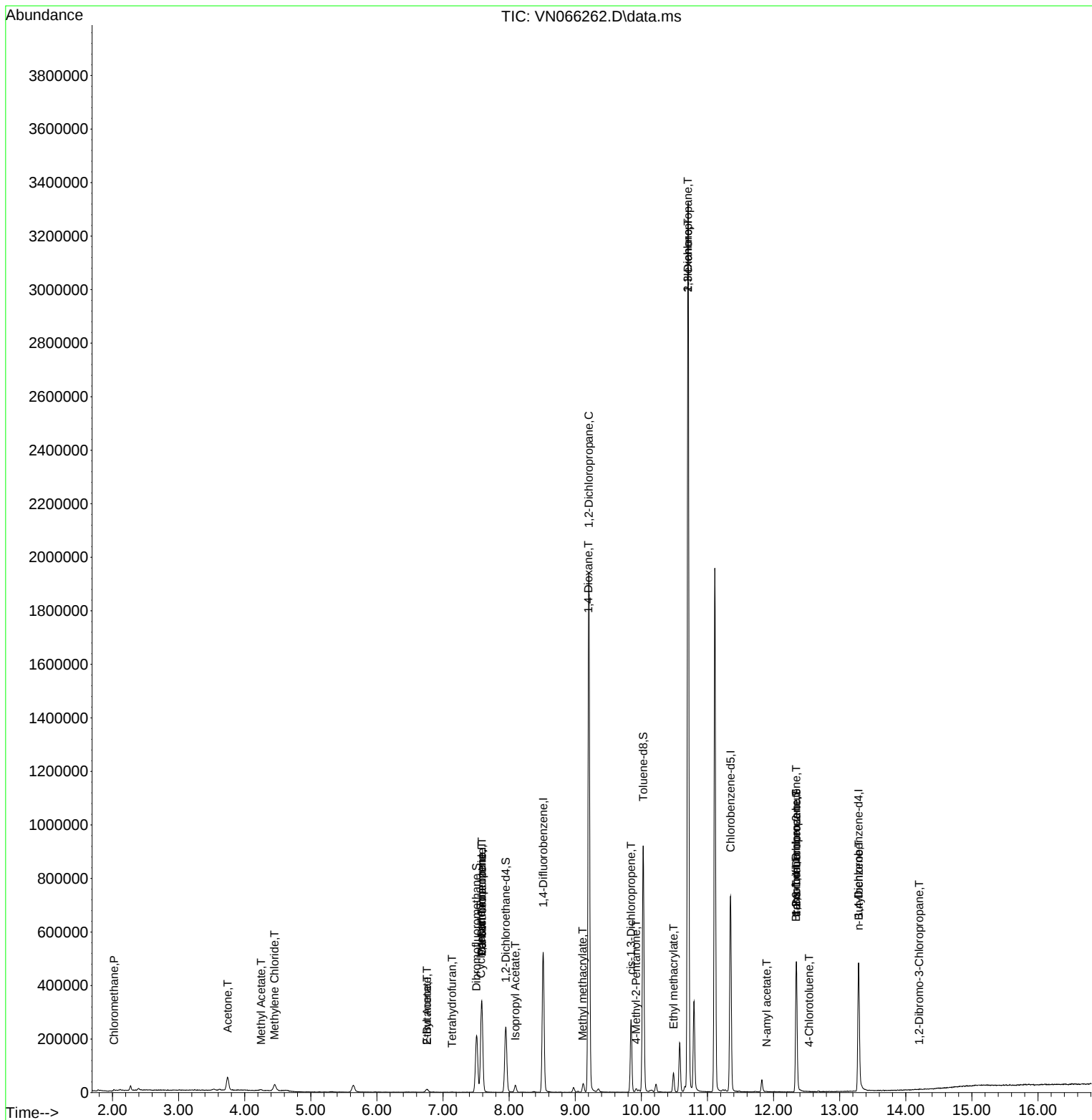
Instrument :
 MSVOA_N
 ClientSampleId :

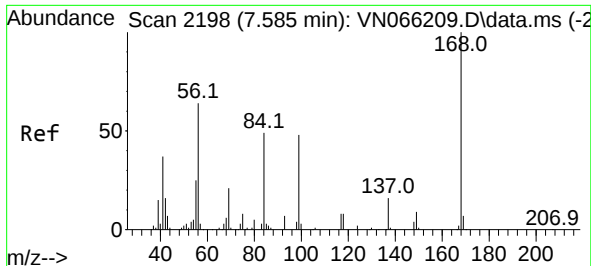
Quant Time: Mar 19 04:28:45 2021
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA_N\methods\82N031621W.M
 Quant Title : SW846 8260
 QLast Update : Wed Mar 17 05:05:15 2021
 Response via : Initial Calibration

Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
Internal Standards						
1) Pentafluorobenzene	7.587	168	305414	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	8.515	114	464779	50.00	ug/l	0.00
63) Chlorobenzene-d5	11.350	117	444767	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.286	152	155530	50.00	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	7.949	65	201630	45.82	ug/l	0.00
Spiked Amount 50.000	Range 78 - 117		Recovery =	91.64%		
35) Dibromofluoromethane	7.507	113	166038	56.00	ug/l	0.00
Spiked Amount 50.000	Range 75 - 124		Recovery =	112.00%		
50) Toluene-d8	10.028	98	638683	55.71	ug/l	0.00
Spiked Amount 50.000	Range 92 - 112		Recovery =	111.42%		
62) 4-Bromofluorobenzene	12.345	95	170592	41.28	ug/l	0.00
Spiked Amount 50.000	Range 83 - 123		Recovery =	82.56%#		
Target Compounds						
					Qvalue	
3) Chloromethane	2.025	50	2558	0.22	ug/l	92
13) Acrolein	3.540	56	3138	Below Cal	#	53
16) Acetone	3.741	43	79369	37.55	ug/l	95
18) Methyl Acetate	4.248	43	7079	1.20	ug/l	# 72
20) Methylene Chloride	4.452	84	13338	4.03	ug/l	95
25) 2-Butanone	6.758	43	11444	3.49	ug/l	98
29) Tetrahydrofuran	7.137	42	699	0.31	ug/l	# 62
31) Cyclohexane	7.574	56	2077	0.32	ug/l	# 1
36) 1,1-Dichloropropene	7.584	75	20020	4.25	ug/l	# 47
37) Ethyl Acetate	6.758	43	11444	1.70	ug/l	# 74
38) Carbon Tetrachloride	7.587	117	24440	5.79	ug/l	# 17
43) Isopropyl Acetate	8.094	43	29953	2.88	ug/l	# 95
45) 1,2-Dichloropropane	9.207	63	2356	0.58	ug/l	# 44
48) Methyl methacrylate	9.113	41	8436	1.71	ug/l	# 21
49) 1,4-Dioxane	9.199	88	134	2.50	ug/l	# 1
51) 4-Methyl-2-Pentanone	9.920	43	9840	1.57	ug/l	95
54) cis-1,3-Dichloropropene	9.845	75	47007	7.70	ug/l	# 53
56) Ethyl methacrylate	10.489	69	851	2.30	ug/l	# 1
57) 1,3-Dichloropropane	10.706	76	32743	5.41	ug/l	# 43
59) 2-Hexanone	10.706	43	475193	97.50	ug/l	# 58
71) Bromoform	12.342	173	2007	0.76	ug/l	# 1
74) N-amyl acetate	11.894	43	541	2.24	ug/l	# 49
76) 1,2,3-Trichloropropane	12.345	75	79795	19.87	ug/l	# 100
81) trans-1,4-Dichloro-2-b...	12.345	75	79795	59.45	ug/l	# 11
82) 4-Chlorotoluene	12.538	91	89	0.48	ug/l	# 43
89) n-Butylbenzene	13.292	91	377	2.28	ug/l	# 34
92) 1,2-Dibromo-3-Chloropr...	14.204	75	76	0.92	ug/l	# 8

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

Quant Time: Mar 19 04:28:45 2021
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_N\methods\82N031621W.M
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Response via : Initial Calibration

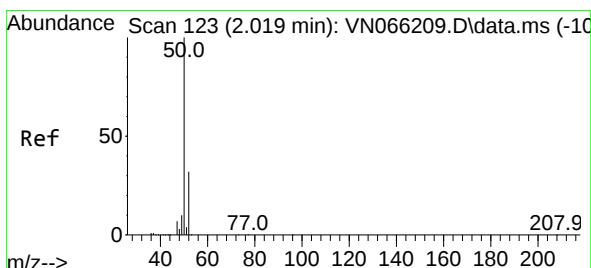
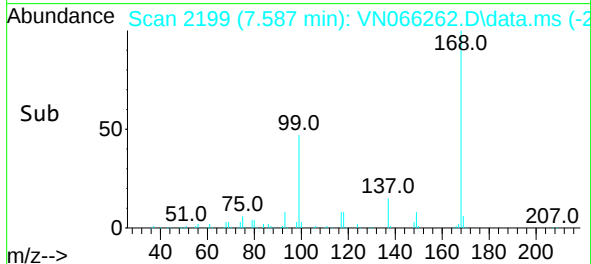
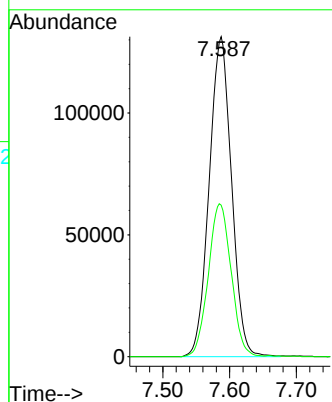
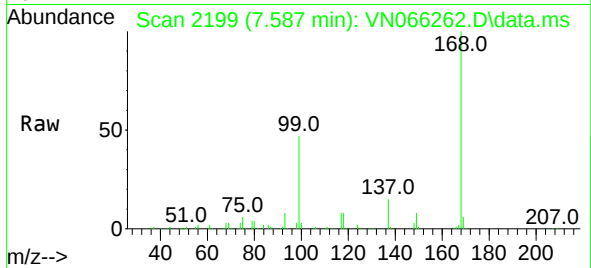




#1
Pentafluorobenzene
Concen: 50.00 ug/l
RT: 7.587 min Scan# 2199
Delta R.T. 0.002 min
Lab File: VN066262.D
Acq: 18 Mar 2021 17:42

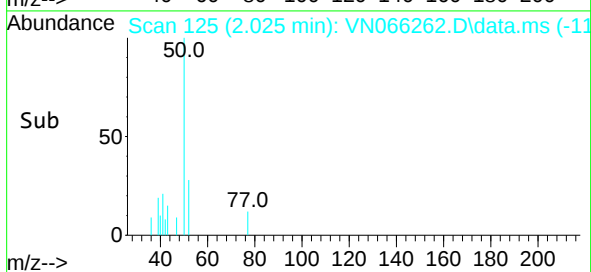
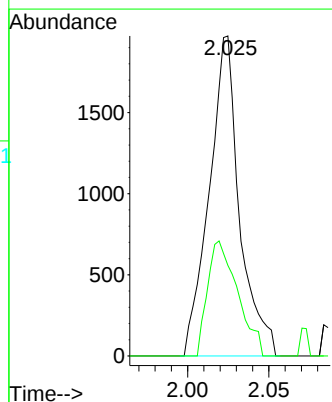
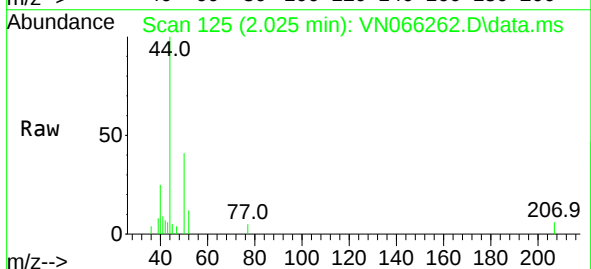
Instrument :
MSVOA_N
ClientSampled :

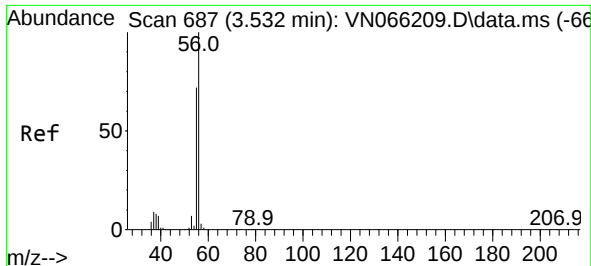
Tgt Ion:168 Resp: 305414
Ion Ratio Lower Upper
168 100
99 47.4 45.4 68.0



#3
Chloromethane
Concen: 0.22 ug/l
RT: 2.025 min Scan# 125
Delta R.T. 0.006 min
Lab File: VN066262.D
Acq: 18 Mar 2021 17:42

Tgt Ion: 50 Resp: 2558
Ion Ratio Lower Upper
50 100
52 28.3 26.2 39.4

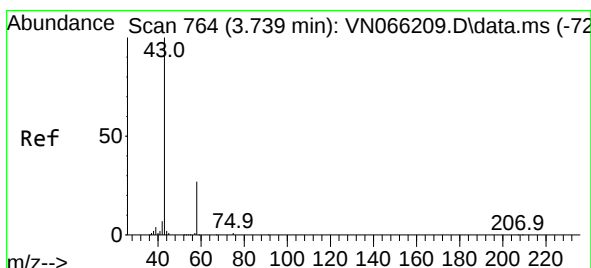
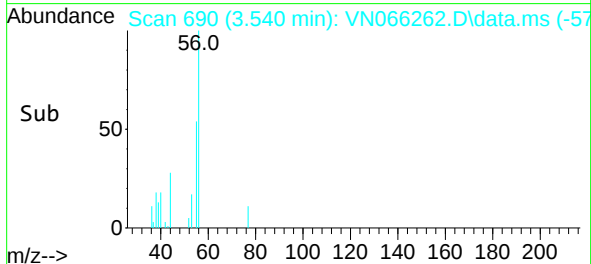
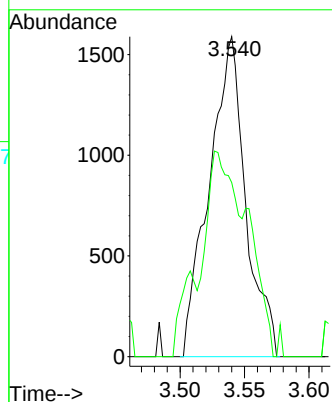
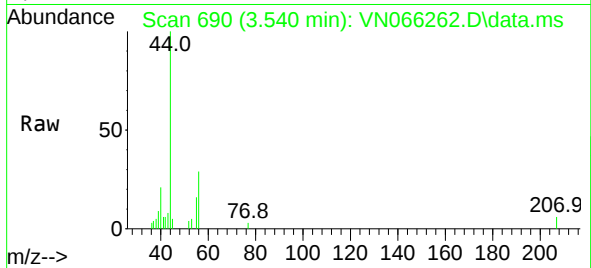




#13
Acrolein
Concen: Below Cal
RT: 3.540 min Scan# 690
Delta R.T. 0.008 min
Lab File: VN066262.D
Acq: 18 Mar 2021 17:42

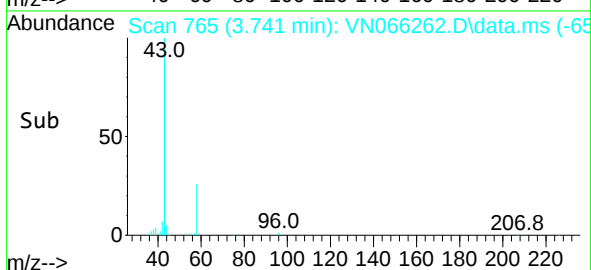
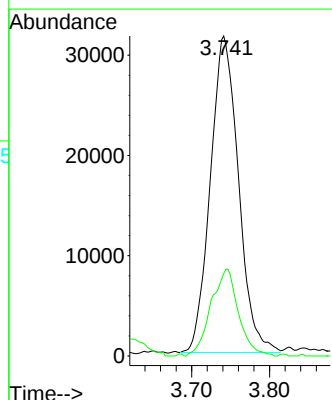
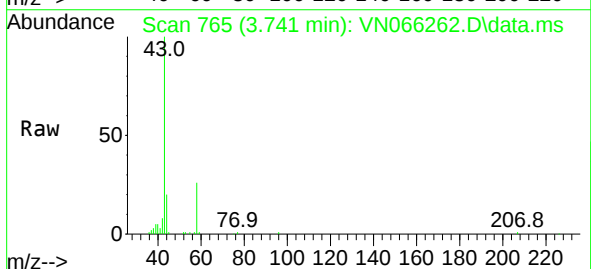
Instrument :
MSVOA_N
ClientSampled :

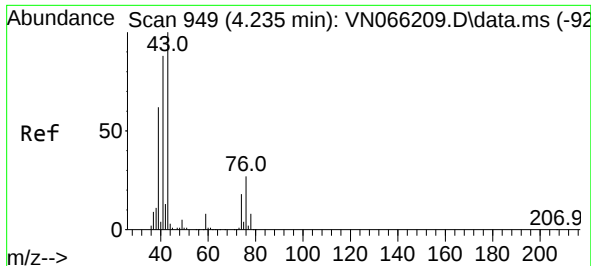
Tgt Ion: 56 Resp: 3138
Ion Ratio Lower Upper
56 100
55 33.2 58.0 87.0#



#16
Acetone
Concen: 37.55 ug/l
RT: 3.741 min Scan# 765
Delta R.T. 0.002 min
Lab File: VN066262.D
Acq: 18 Mar 2021 17:42

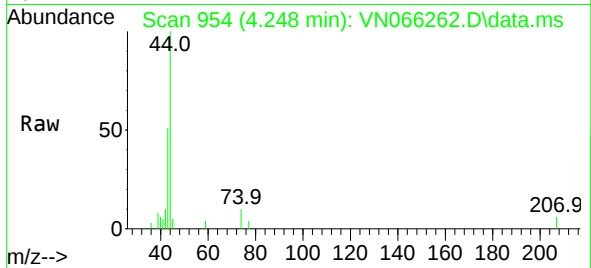
Tgt Ion: 43 Resp: 79369
Ion Ratio Lower Upper
43 100
58 25.5 22.3 33.5



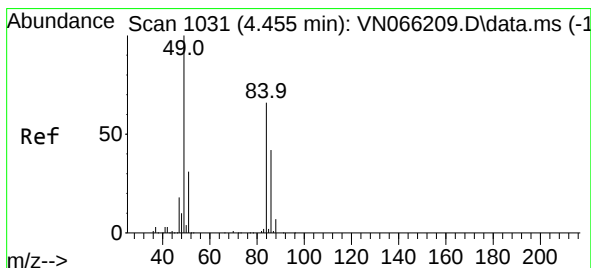
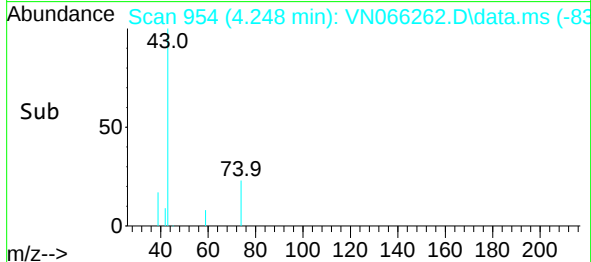
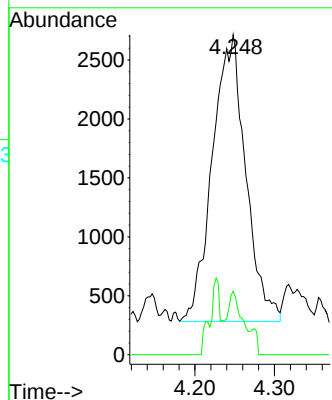


#18
Methyl Acetate
Concen: 1.20 ug/l
RT: 4.248 min Scan# 954
Delta R.T. 0.013 min
Lab File: VN066262.D
Acq: 18 Mar 2021 17:42

Instrument :
MSVOA_N
ClientSampled :

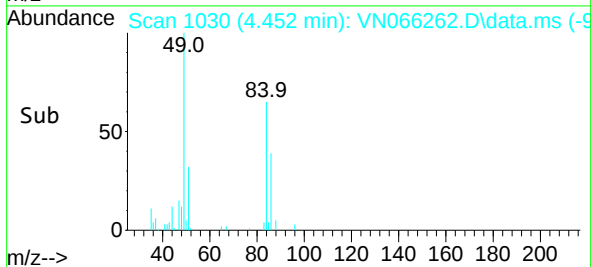
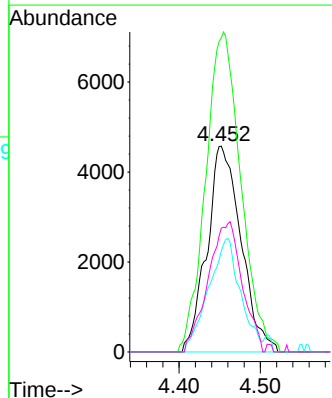
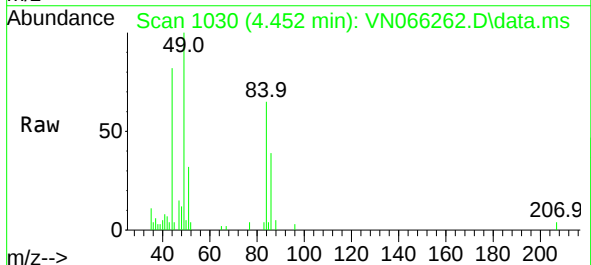


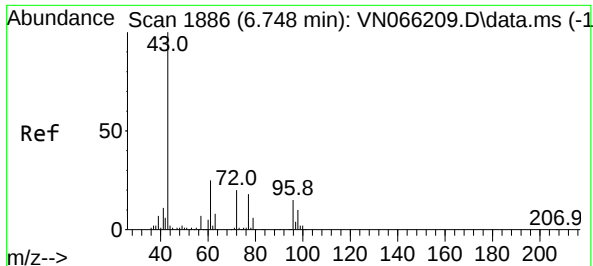
Tgt Ion: 43 Resp: 7079
Ion Ratio Lower Upper
43 100
74 5.5 14.2 21.2#



#20
Methylene Chloride
Concen: 4.03 ug/l
RT: 4.452 min Scan# 1030
Delta R.T. -0.003 min
Lab File: VN066262.D
Acq: 18 Mar 2021 17:42

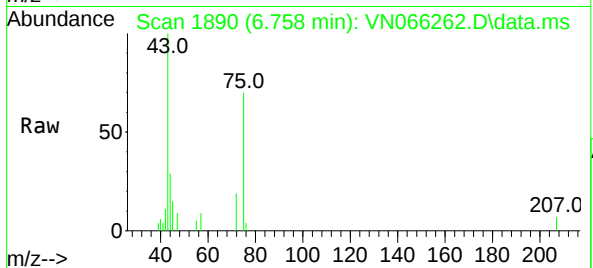
Tgt Ion: 84 Resp: 13338
Ion Ratio Lower Upper
84 100
49 152.7 130.0 195.0
51 49.0 39.1 58.7
86 60.2 50.9 76.3



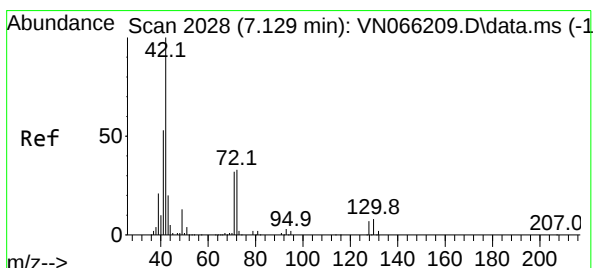
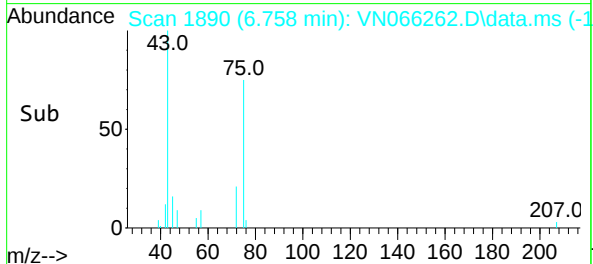
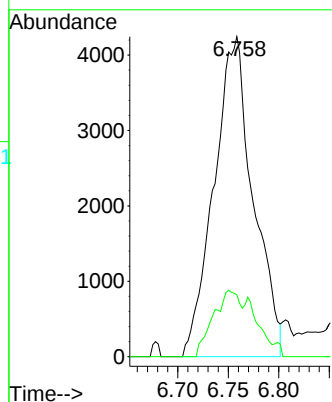


#25
2-Butanone
Concen: 3.49 ug/l
RT: 6.758 min Scan# 1890
Delta R.T. 0.010 min
Lab File: VN066262.D
Acq: 18 Mar 2021 17:42

Instrument :
MSVOA_N
ClientSampled :

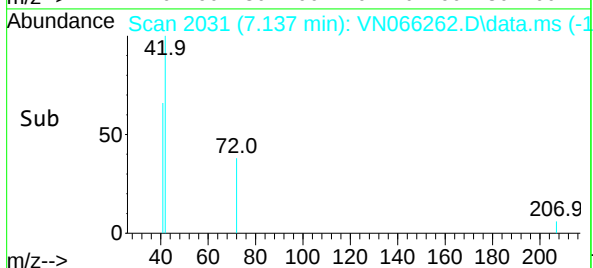
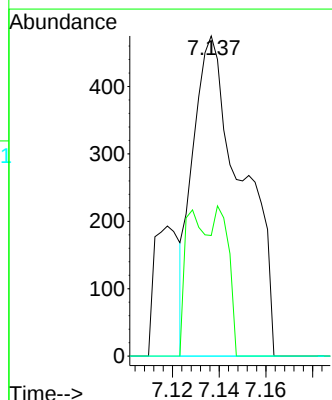
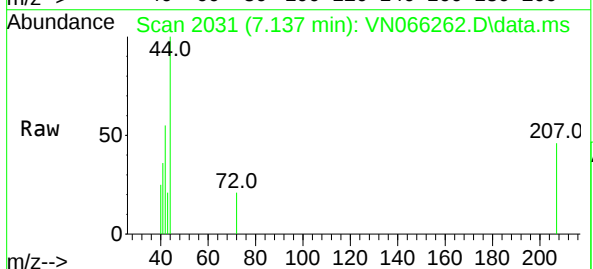


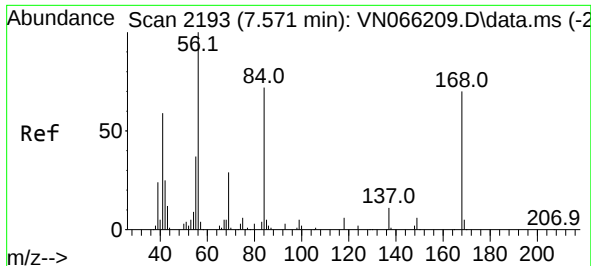
Tgt Ion: 43 Resp: 11444
Ion Ratio Lower Upper
43 100
72 19.3 16.2 24.2



#29
Tetrahydrofuran
Concen: 0.31 ug/l
RT: 7.137 min Scan# 2031
Delta R.T. 0.008 min
Lab File: VN066262.D
Acq: 18 Mar 2021 17:42

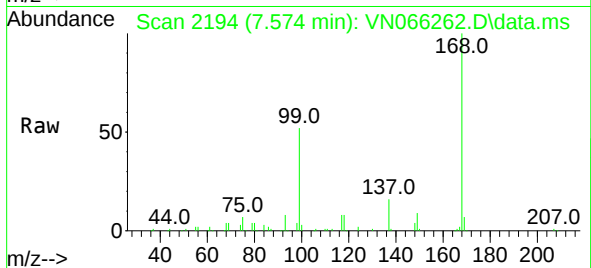
Tgt Ion: 42 Resp: 699
Ion Ratio Lower Upper
42 100
72 22.3 26.2 39.4#
71 0.0 25.4 38.2#



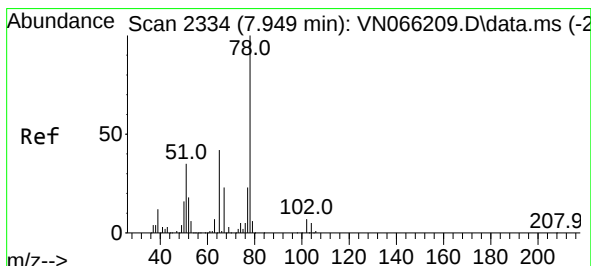
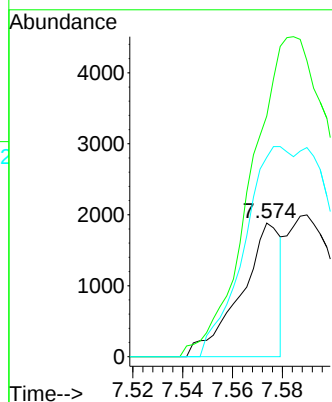
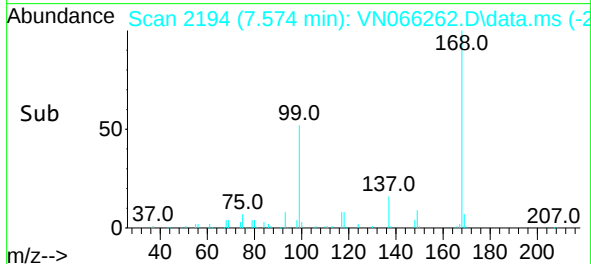


#31
Cyclohexane
Concen: 0.32 ug/l
RT: 7.574 min Scan# 2194
Delta R.T. 0.003 min
Lab File: VN066262.D
Acq: 18 Mar 2021 17:42

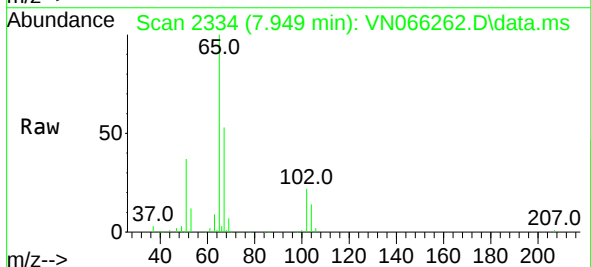
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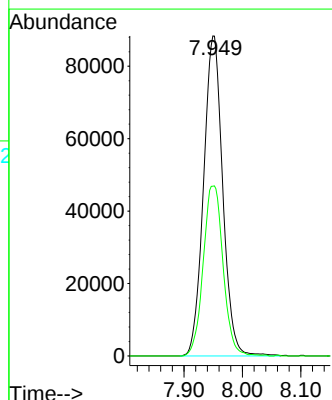
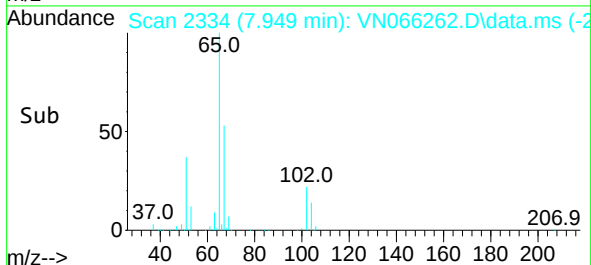
Tgt Ion: 56 Resp: 2077
Ion Ratio Lower Upper
56 100
69 180.1 23.4 35.0#
84 149.2 57.8 86.6#

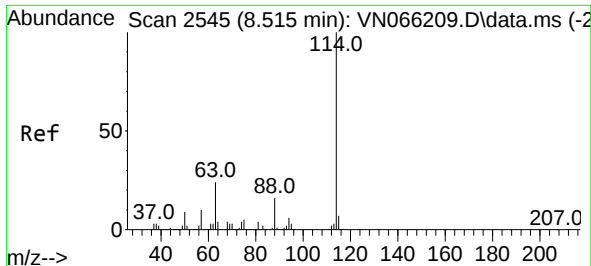


#33
1,2-Dichloroethane-d4
Concen: 45.82 ug/l
RT: 7.949 min Scan# 2334
Delta R.T. 0.000 min
Lab File: VN066262.D
Acq: 18 Mar 2021 17:42



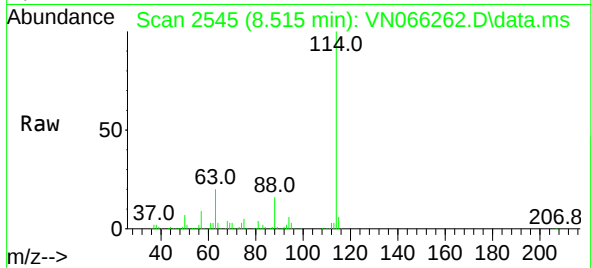
Tgt Ion: 65 Resp: 201630
Ion Ratio Lower Upper
65 100
67 55.2 0.0 107.2



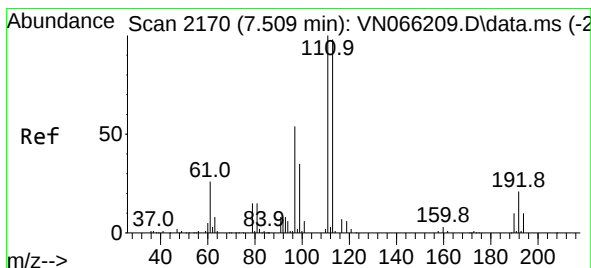
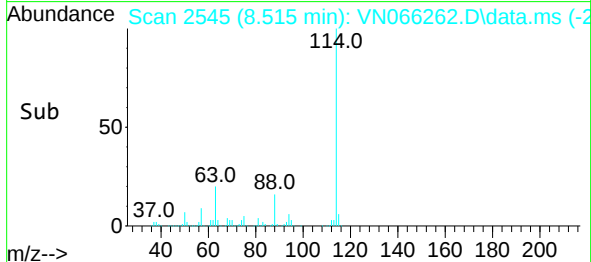
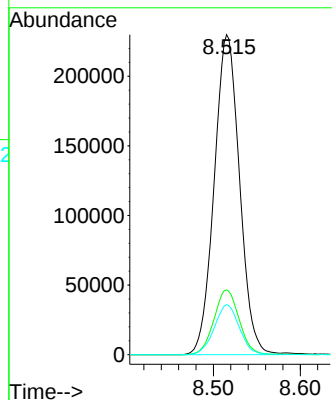


#34
1,4-Difluorobenzene
Concen: 50.00 ug/l
RT: 8.515 min Scan# 2545
Delta R.T. 0.000 min
Lab File: VN066262.D
Acq: 18 Mar 2021 17:42

Instrument :
MSVOA_N
ClientSampleId :

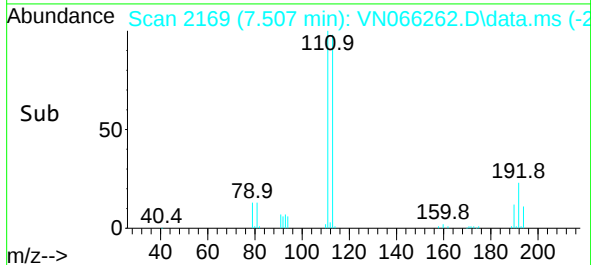
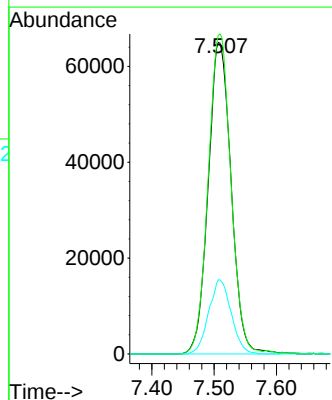
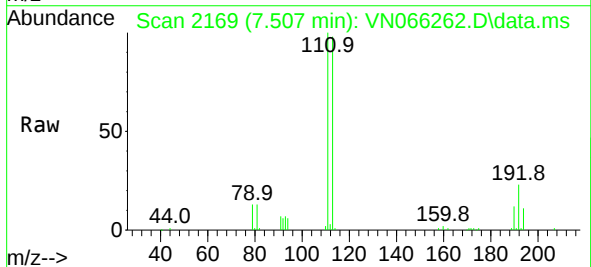


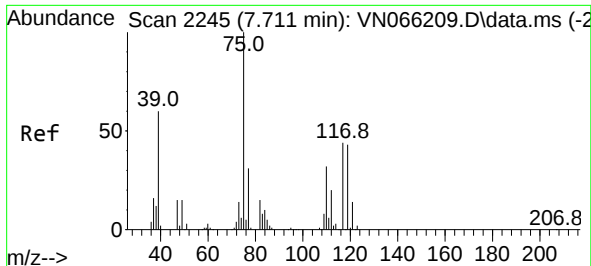
Tgt Ion	Ratio	Lower	Upper
114	100		
63	20.3	0.0	49.2
88	15.7	0.0	33.8



#35
Dibromofluoromethane
Concen: 56.00 ug/l
RT: 7.507 min Scan# 2169
Delta R.T. -0.002 min
Lab File: VN066262.D
Acq: 18 Mar 2021 17:42

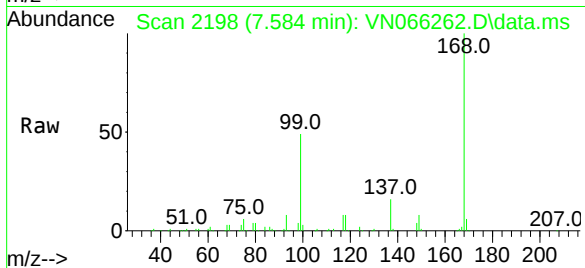
Tgt Ion	Ratio	Lower	Upper
113	100		
111	101.5	84.0	126.0
192	23.4	16.7	25.1



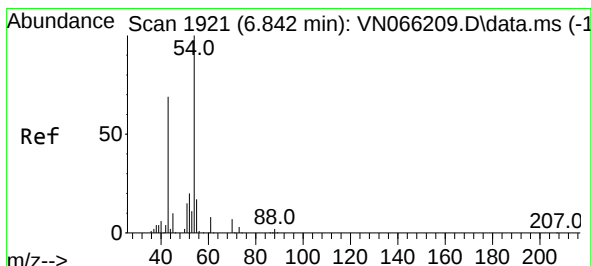
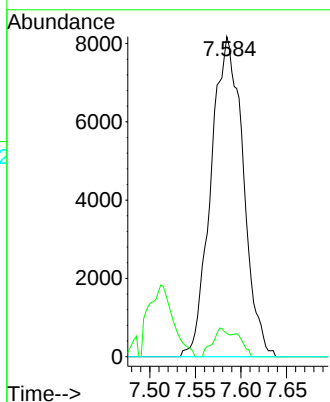
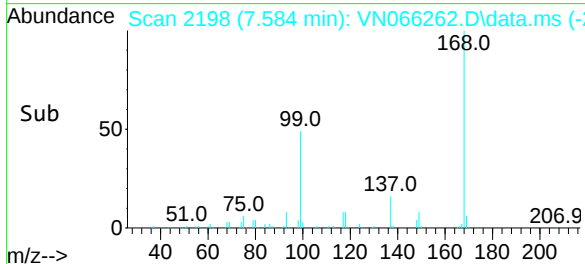


#36
1,1-Dichloropropene
Concen: 4.25 ug/l
RT: 7.584 min Scan# 2198
Delta R.T. -0.127 min
Lab File: VN066262.D
Acq: 18 Mar 2021 17:42

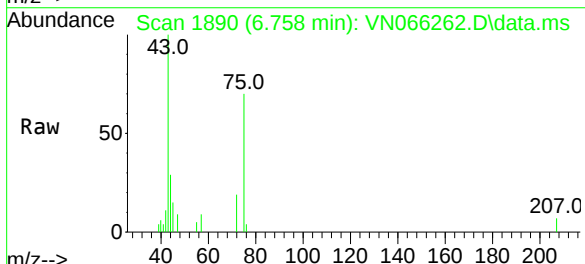
Instrument :
MSVOA_N
ClientSampled :



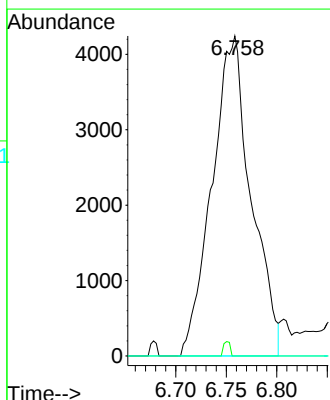
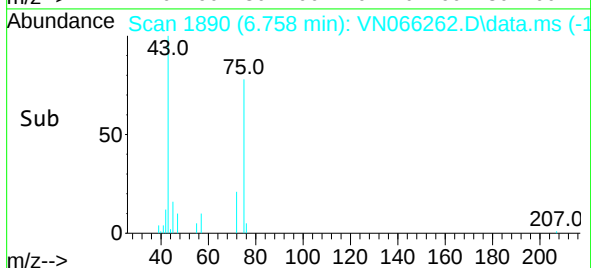
Tgt Ion: 75 Resp: 20020
Ion Ratio Lower Upper
75 100
110 4.7 16.0 48.0#
77 0.0 24.9 37.3#

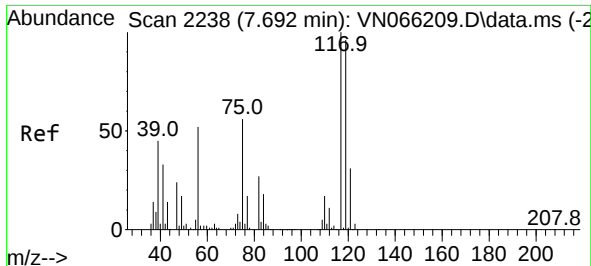


#37
Ethyl Acetate
Concen: 1.70 ug/l
RT: 6.758 min Scan# 1890
Delta R.T. -0.084 min
Lab File: VN066262.D
Acq: 18 Mar 2021 17:42



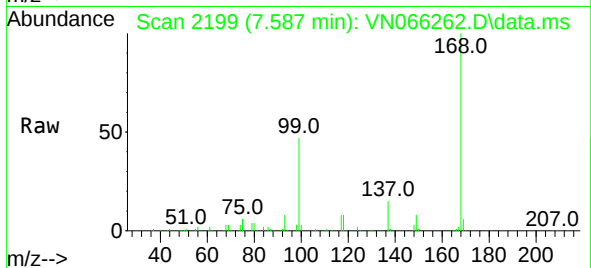
Tgt Ion: 43 Resp: 11444
Ion Ratio Lower Upper
43 100
61 0.8 9.2 13.8#
70 0.0 6.1 9.1#



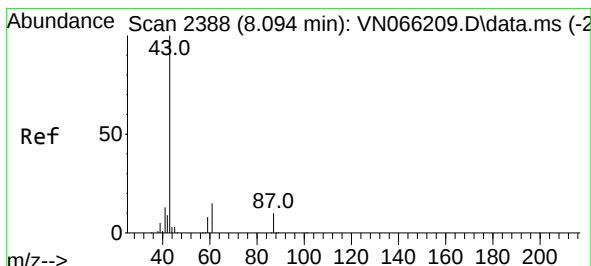
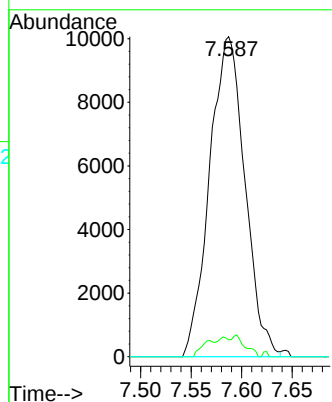
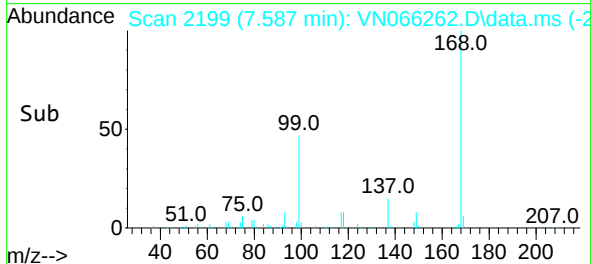


#38
Carbon Tetrachloride
Concen: 5.79 ug/l
RT: 7.587 min Scan# 2199
Delta R.T. -0.105 min
Lab File: VN066262.D
Acq: 18 Mar 2021 17:42

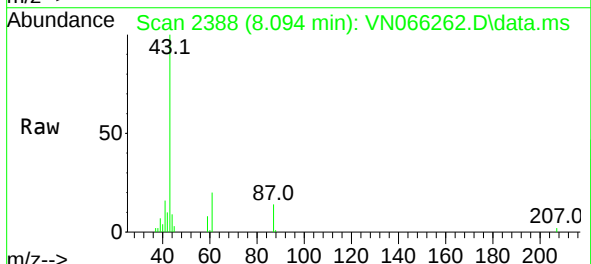
Instrument :
MSVOA_N
ClientSampled :



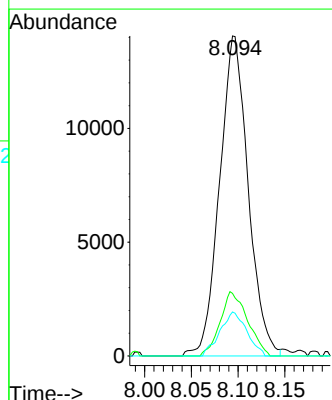
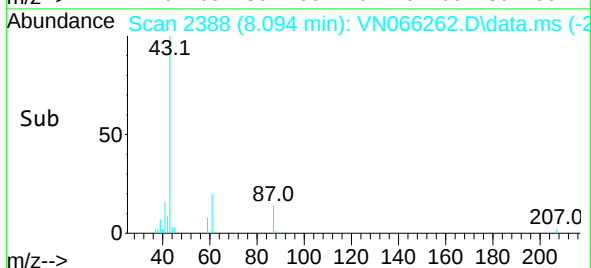
Tgt Ion:117 Resp: 24440
Ion Ratio Lower Upper
117 100
119 5.2 74.6 111.8#
121 0.0 23.9 35.9#

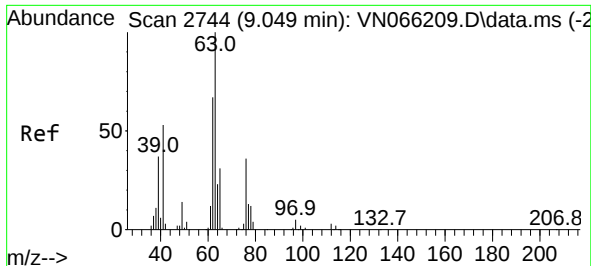


#43
Isopropyl Acetate
Concen: 2.88 ug/l
RT: 8.094 min Scan# 2388
Delta R.T. 0.000 min
Lab File: VN066262.D
Acq: 18 Mar 2021 17:42



Tgt Ion: 43 Resp: 29953
Ion Ratio Lower Upper
43 100
61 19.2 14.0 21.0
87 12.9 7.9 11.9#

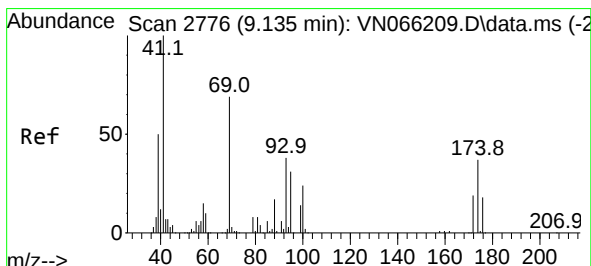
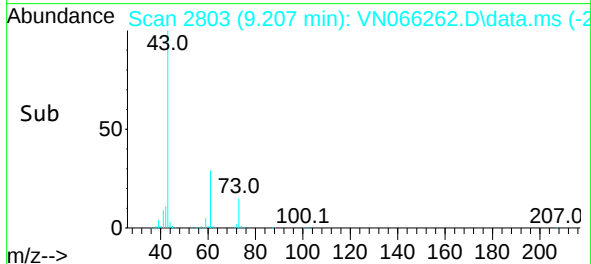
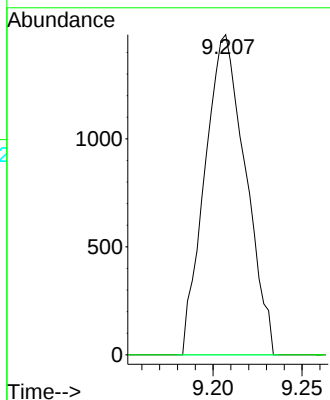
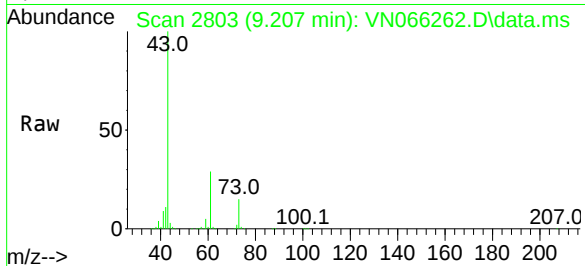




#45
1,2-Dichloropropane
Concen: 0.58 ug/l
RT: 9.207 min Scan# 2803
Delta R.T. 0.158 min
Lab File: VN066262.D
Acq: 18 Mar 2021 17:42

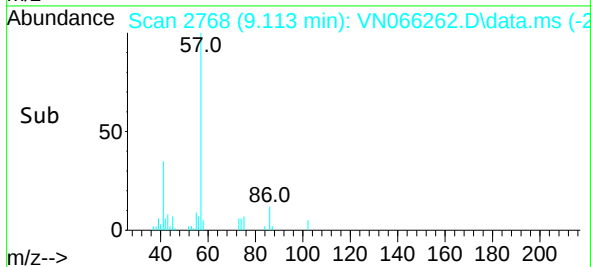
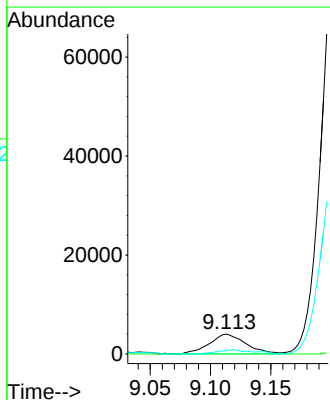
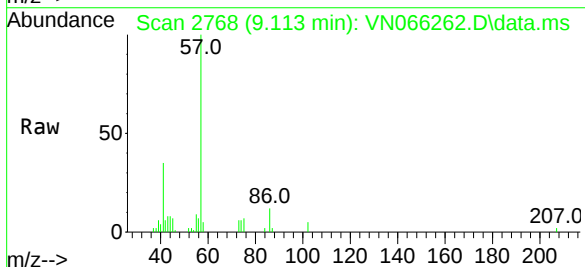
Instrument :
MSVOA_N
ClientSampled :

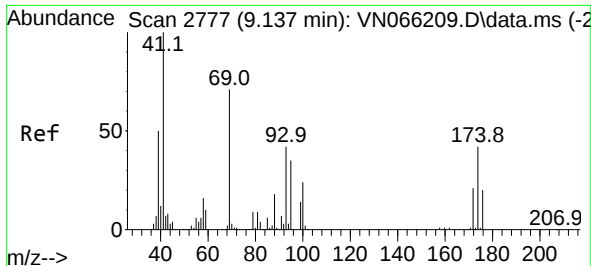
Tgt Ion: 63 Resp: 2356
Ion Ratio Lower Upper
63 100
65 0.0 24.6 37.0#



#48
Methyl methacrylate
Concen: 1.71 ug/l
RT: 9.113 min Scan# 2768
Delta R.T. -0.022 min
Lab File: VN066262.D
Acq: 18 Mar 2021 17:42

Tgt Ion: 41 Resp: 8436
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: 2.50 ug/l

RT: 9.199 min Scan# 2800

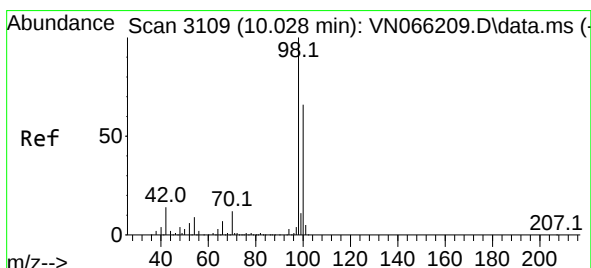
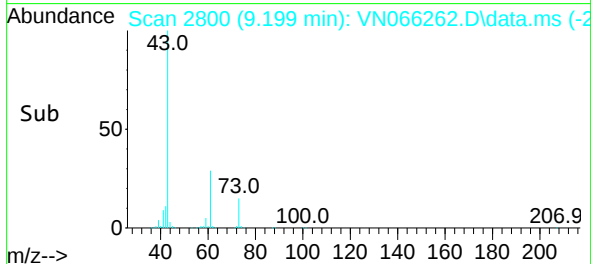
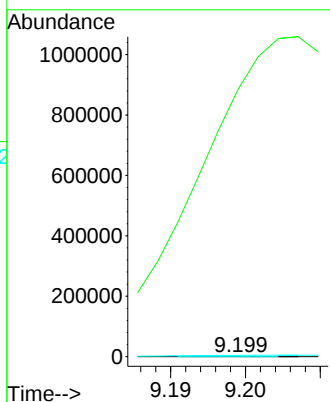
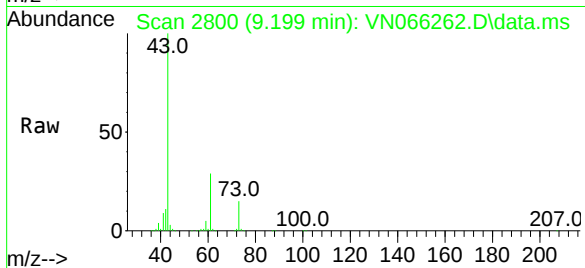
Delta R.T. 0.062 min

Lab File: VN066262.D

Acq: 18 Mar 2021 17:42

Instrument :
MSVOA_N
ClientSampled :

Tgt Ion: 88 Resp: 134
Ion Ratio Lower Upper
88 100
43 1415630.6 34.4 51.6#
58 7388.8 67.3 100.9#



#50

Toluene-d8

Concen: 55.71 ug/l

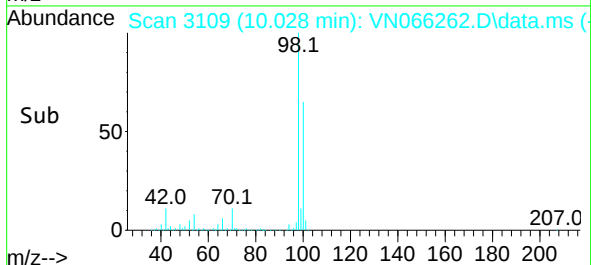
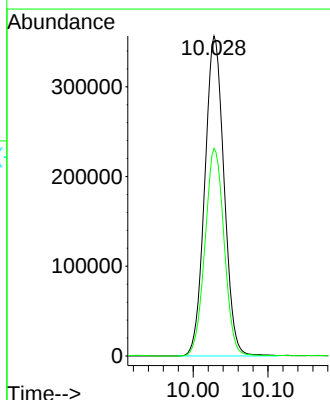
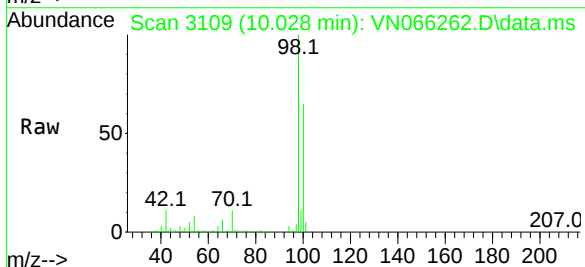
RT: 10.028 min Scan# 3109

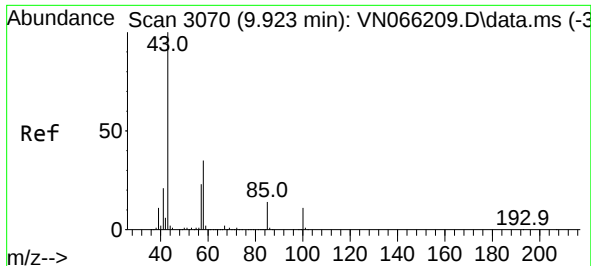
Delta R.T. -0.000 min

Lab File: VN066262.D

Acq: 18 Mar 2021 17:42

Tgt Ion: 98 Resp: 638683
Ion Ratio Lower Upper
98 100
100 64.6 51.0 76.6

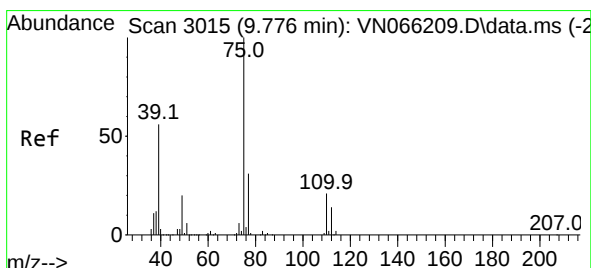
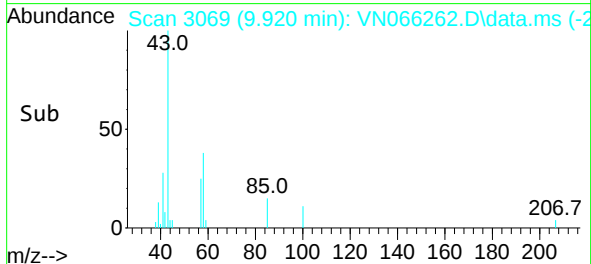
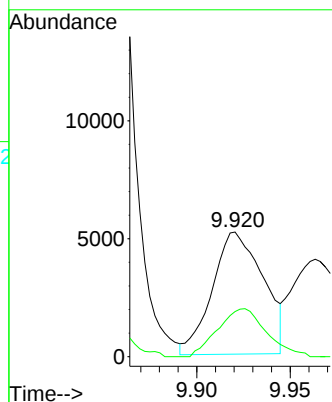
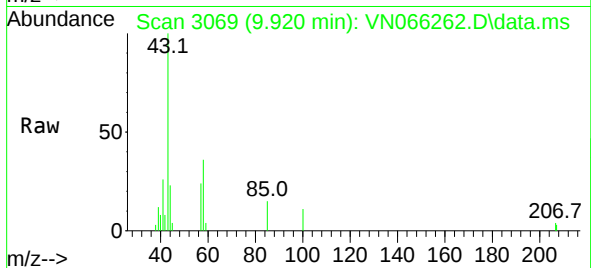




#51
4-Methyl-2-Pentanone
Concen: 1.57 ug/l
RT: 9.920 min Scan# 3069
Delta R.T. -0.003 min
Lab File: VN066262.D
Acq: 18 Mar 2021 17:42

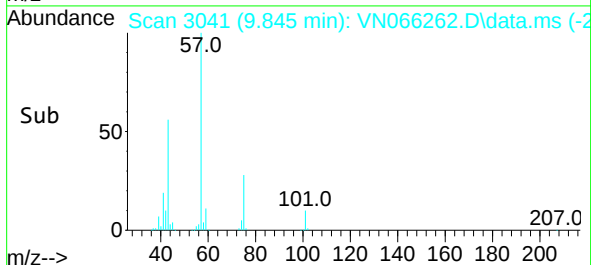
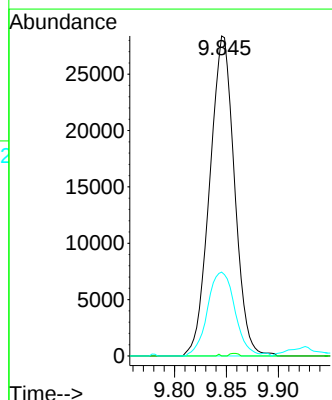
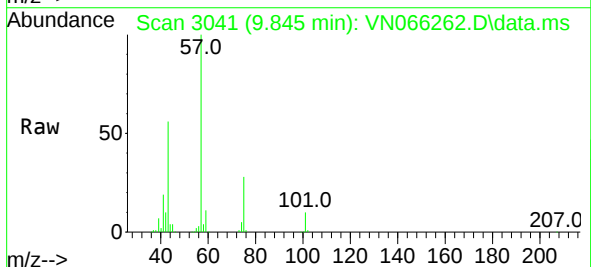
Instrument :
MSVOA_N
ClientSampled :

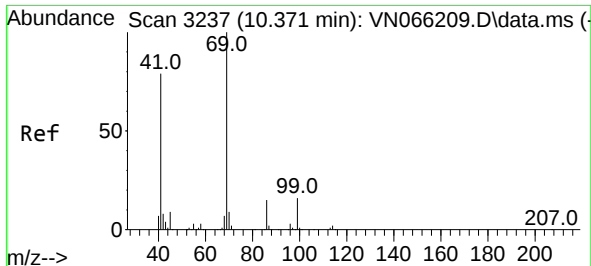
Tgt Ion: 43 Resp: 9840
Ion Ratio Lower Upper
43 100
58 37.5 27.5 41.3



#54
cis-1,3-Dichloropropene
Concen: 7.70 ug/l
RT: 9.845 min Scan# 3041
Delta R.T. 0.069 min
Lab File: VN066262.D
Acq: 18 Mar 2021 17:42

Tgt Ion: 75 Resp: 47007
Ion Ratio Lower Upper
75 100
77 0.0 25.0 37.4#
39 26.2 46.2 69.2#

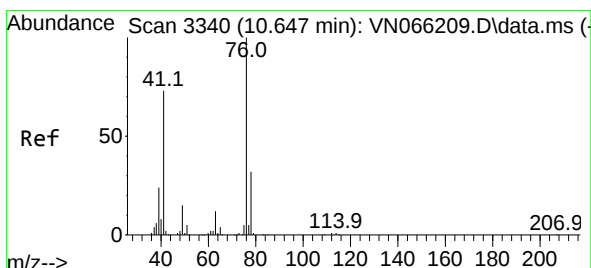
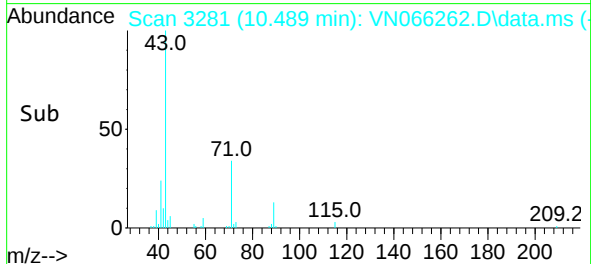
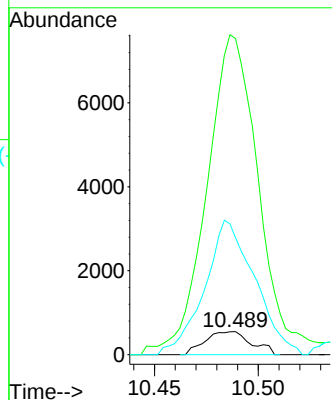
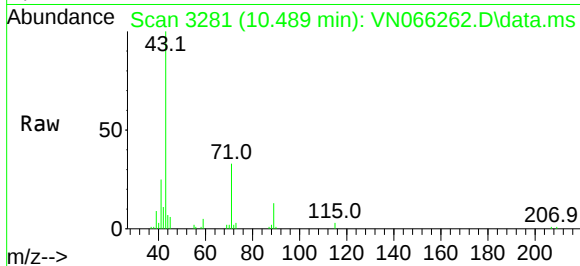




#56
Ethyl methacrylate
Concen: 2.30 ug/l
RT: 10.489 min Scan# 3281
Delta R.T. 0.118 min
Lab File: VN066262.D
Acq: 18 Mar 2021 17:42

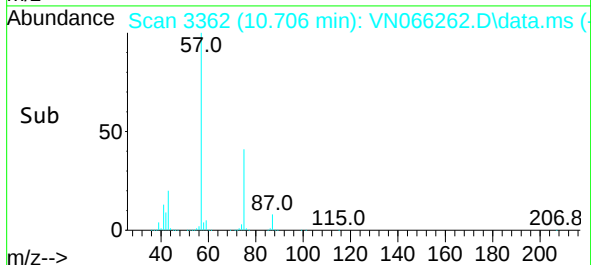
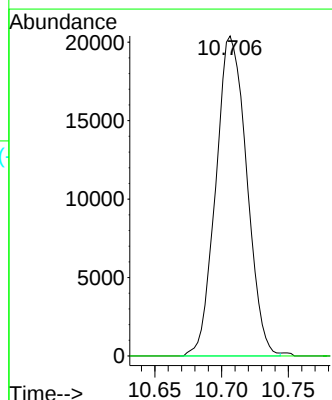
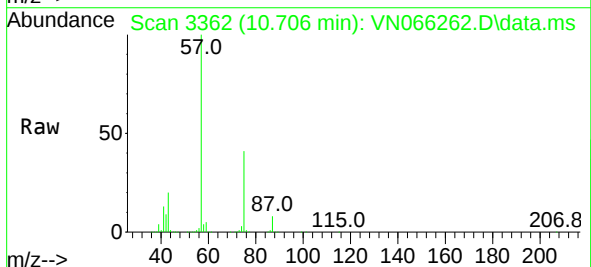
Instrument :
MSVOA_N
ClientSampleId :

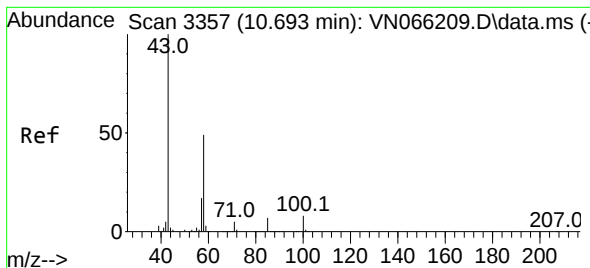
Tgt Ion: 69 Resp: 851
Ion Ratio Lower Upper
69 100
41 1555.8 66.2 99.4#
39 632.9 31.5 47.3#



#57
1,3-Dichloropropane
Concen: 5.41 ug/l
RT: 10.706 min Scan# 3362
Delta R.T. 0.059 min
Lab File: VN066262.D
Acq: 18 Mar 2021 17:42

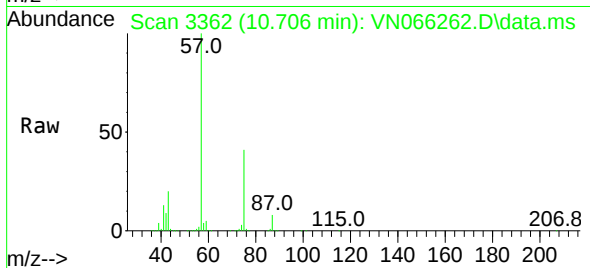
Tgt Ion: 76 Resp: 32743
Ion Ratio Lower Upper
76 100
78 0.0 25.4 38.2#



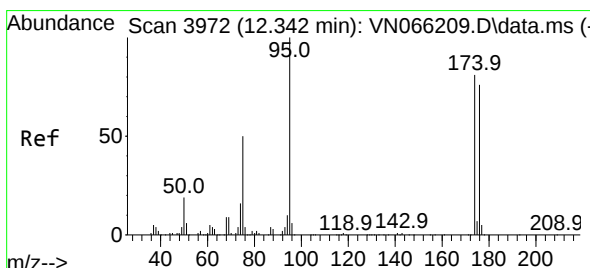
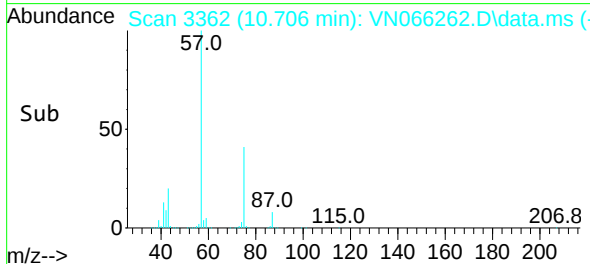
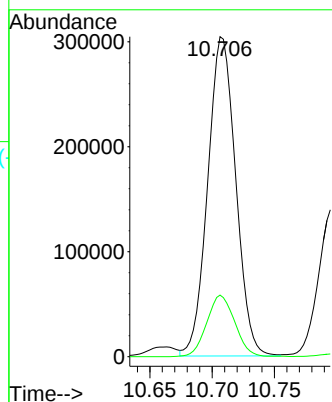


#59
2-Hexanone
Concen: 97.50 ug/l
RT: 10.706 min Scan# 3362
Delta R.T. 0.013 min
Lab File: VN066262.D
Acq: 18 Mar 2021 17:42

Instrument :
MSVOA_N
ClientSampled :

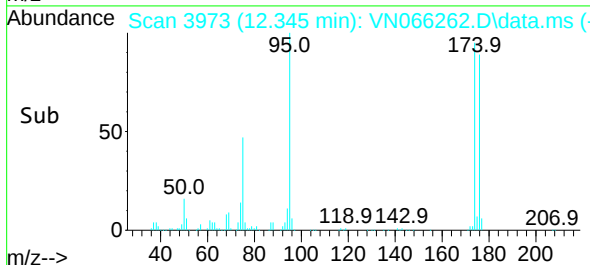
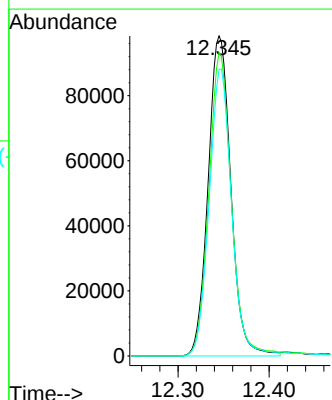
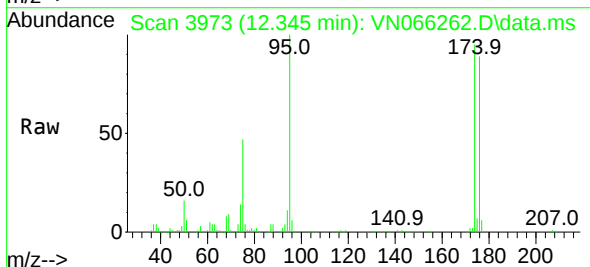


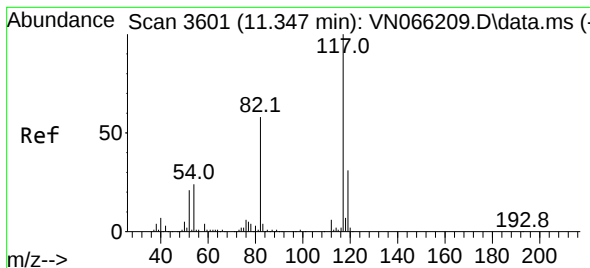
Tgt Ion: 43 Resp: 475193
Ion Ratio Lower Upper
43 100
58 19.4 23.8 71.5#



#62
4-Bromofluorobenzene
Concen: 41.28 ug/l
RT: 12.345 min Scan# 3973
Delta R.T. 0.003 min
Lab File: VN066262.D
Acq: 18 Mar 2021 17:42

Tgt Ion: 95 Resp: 170592
Ion Ratio Lower Upper
95 100
174 93.8 0.0 162.4
176 88.2 0.0 156.2

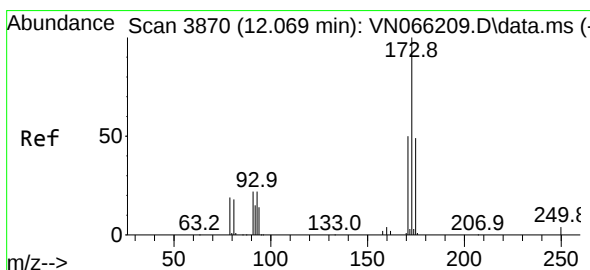
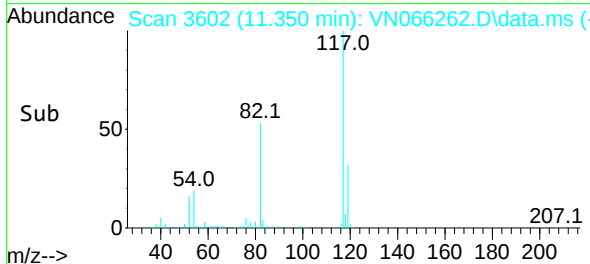
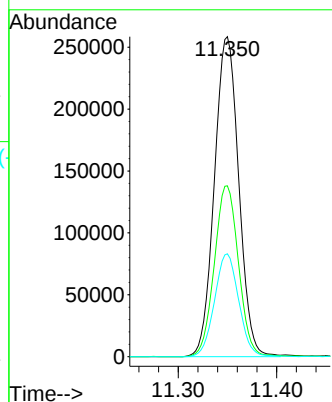
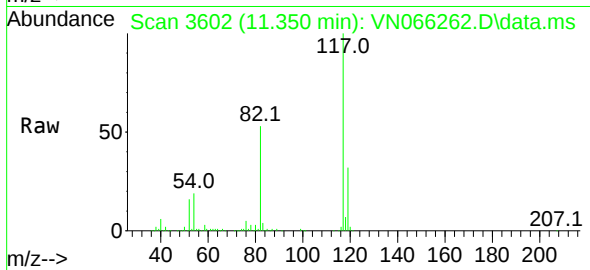




#63
Chlorobenzene-d5
Concen: 50.00 ug/l
RT: 11.350 min Scan# 3602
Delta R.T. 0.003 min
Lab File: VN066262.D
Acq: 18 Mar 2021 17:42

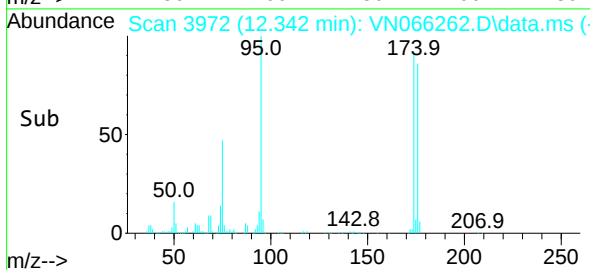
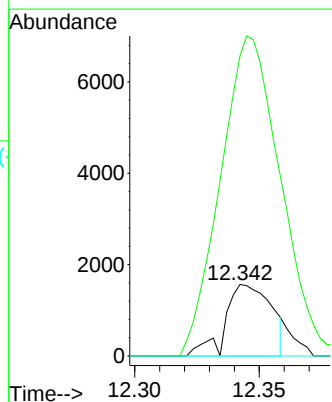
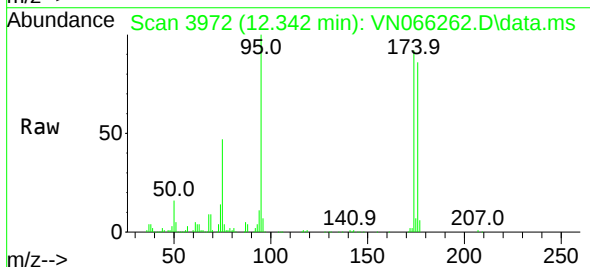
Instrument :
MSVOA_N
ClientSampleId :

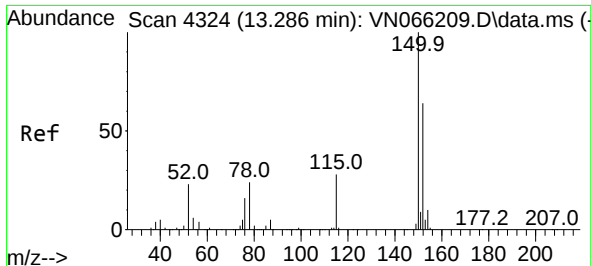
Tgt Ion:117 Resp: 444767
Ion Ratio Lower Upper
117 100
82 53.4 49.0 73.6
119 32.1 25.7 38.5



#71
Bromoform
Concen: 0.76 ug/l
RT: 12.342 min Scan# 3972
Delta R.T. 0.273 min
Lab File: VN066262.D
Acq: 18 Mar 2021 17:42

Tgt Ion:173 Resp: 2007
Ion Ratio Lower Upper
173 100
175 506.0 23.9 71.8#
254 0.0 0.0 0.0

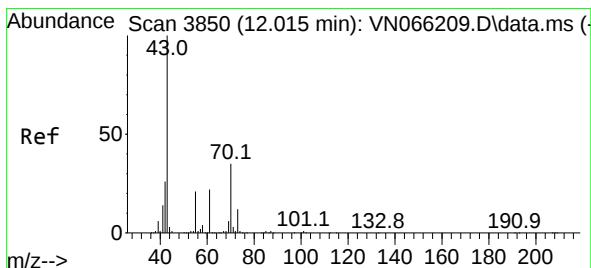
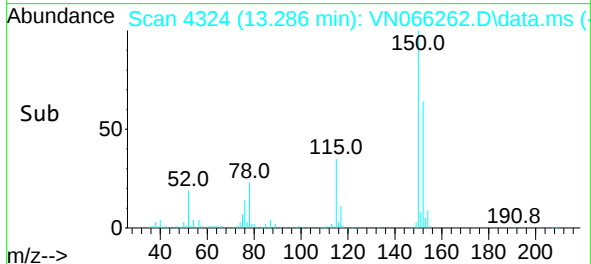
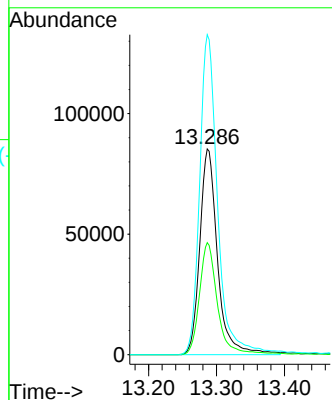
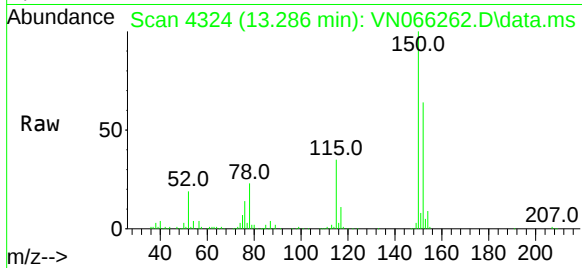




#72
1,4-Dichlorobenzene-d4
Concen: 50.00 ug/l
RT: 13.286 min Scan# 4324
Delta R.T. 0.000 min
Lab File: VN066262.D
Acq: 18 Mar 2021 17:42

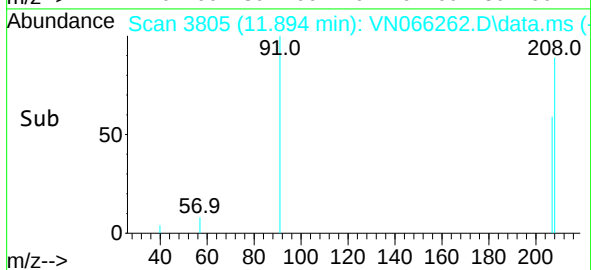
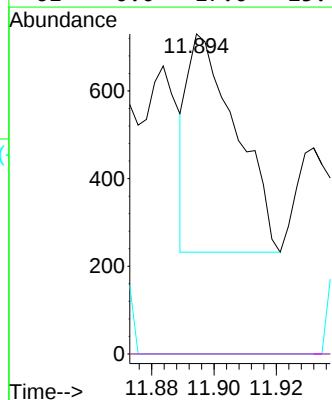
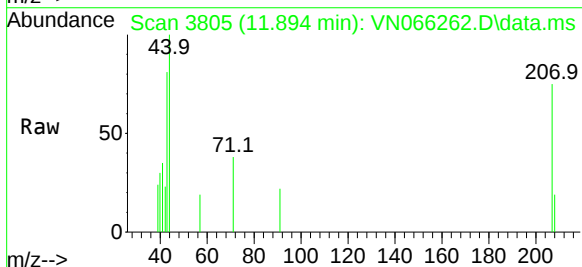
Instrument :
MSVOA_N
ClientSampleId :

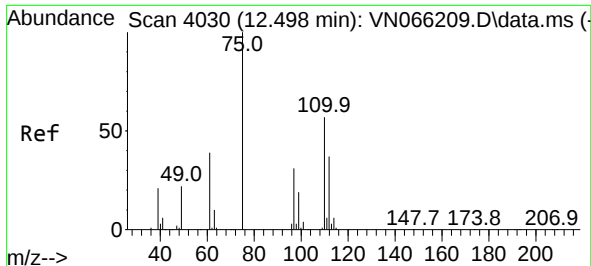
Tgt Ion:152 Resp: 155530
Ion Ratio Lower Upper
152 100
115 54.7 29.4 88.3
150 157.3 0.0 352.2



#74
N-ethyl acetate
Concen: 2.24 ug/l
RT: 11.894 min Scan# 3805
Delta R.T. -0.121 min
Lab File: VN066262.D
Acq: 18 Mar 2021 17:42

Tgt Ion: 43 Resp: 541
Ion Ratio Lower Upper
43 100
70 0.0 26.2 39.4#
55 0.0 17.2 25.8#
61 0.0 17.0 25.4#

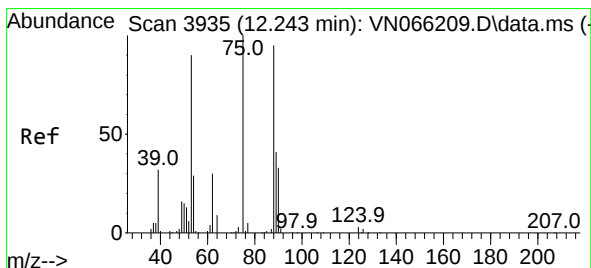
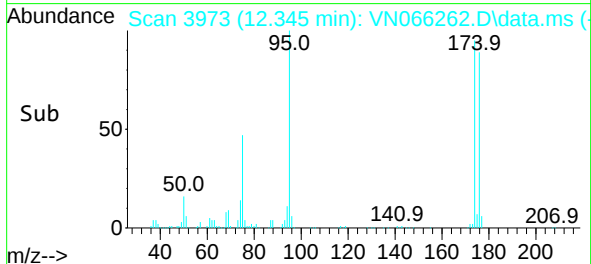
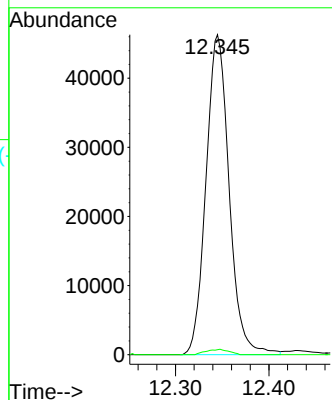
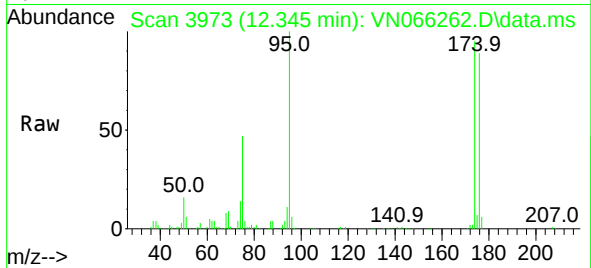




#76
1,2,3-Trichloropropane
Concen: 19.87 ug/l
RT: 12.345 min Scan# 3973
Delta R.T. -0.153 min
Lab File: VN066262.D
Acq: 18 Mar 2021 17:42

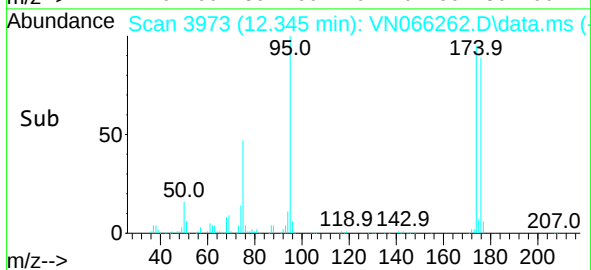
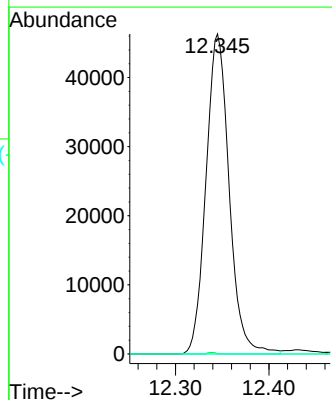
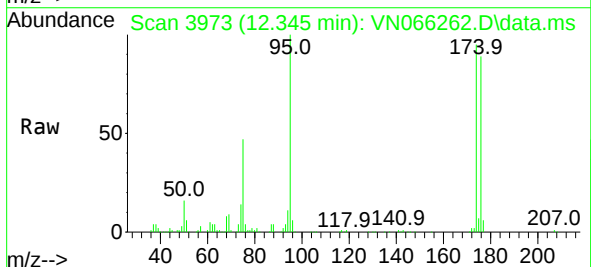
Instrument :
MSVOA_N
ClientSampleId :

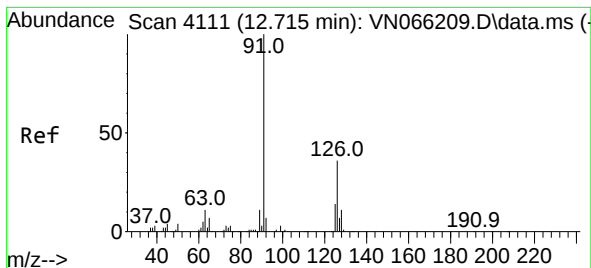
Tgt Ion: 75 Resp: 79795
Ion Ratio Lower Upper
75 100
77 1.7 0.0 0.0#



#81
trans-1,4-Dichloro-2-butene
Concen: 59.45 ug/l
RT: 12.345 min Scan# 3973
Delta R.T. 0.102 min
Lab File: VN066262.D
Acq: 18 Mar 2021 17:42

Tgt Ion: 75 Resp: 79795
Ion Ratio Lower Upper
75 100
53 0.2 77.8 116.6#
89 0.0 33.7 50.5#

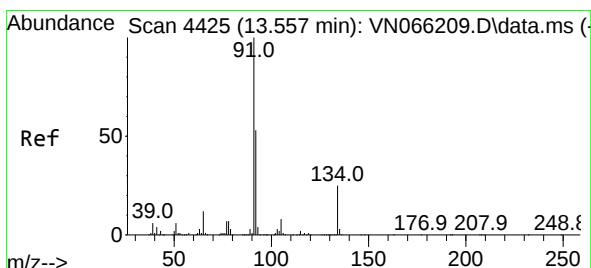
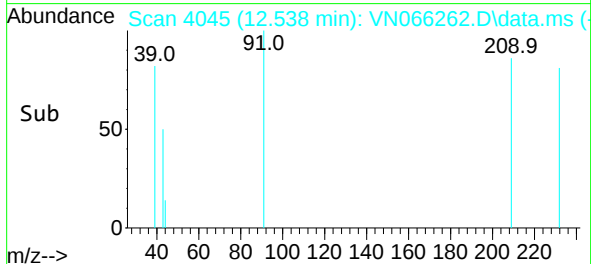
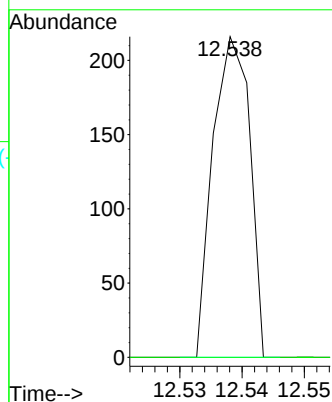
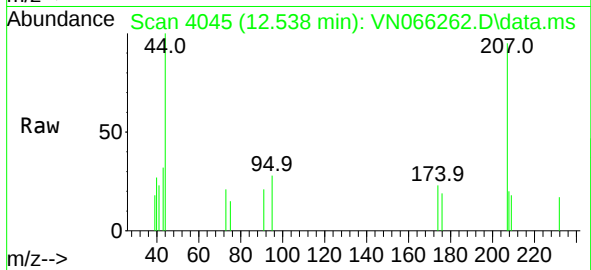




#82
4-Chlorotoluene
Concen: 0.48 ug/l
RT: 12.538 min Scan# 4045
Delta R.T. -0.177 min
Lab File: VN066262.D
Acq: 18 Mar 2021 17:42

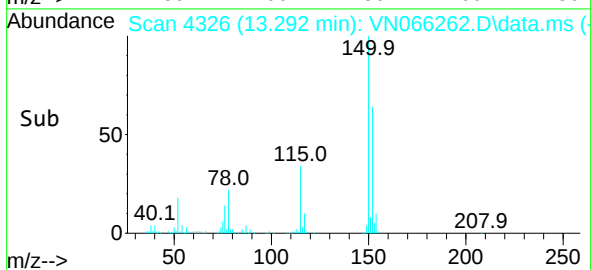
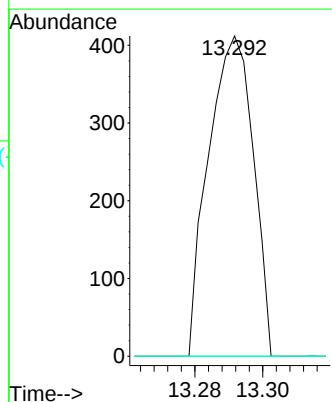
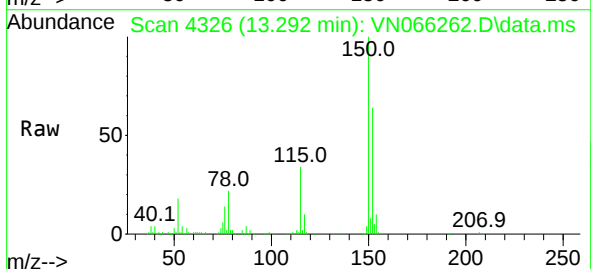
Instrument :
MSVOA_N
ClientSampled :

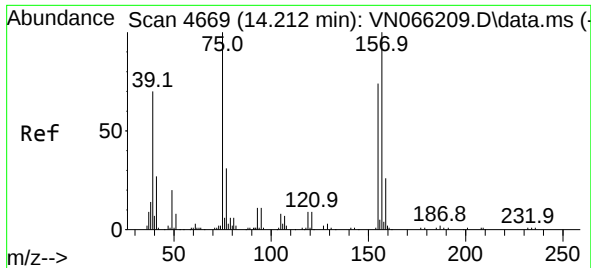
Tgt Ion: 91 Resp: 89
Ion Ratio Lower Upper
91 100
126 0.0 15.7 47.1#



#89
n-Butylbenzene
Concen: 2.28 ug/l
RT: 13.292 min Scan# 4326
Delta R.T. -0.265 min
Lab File: VN066262.D
Acq: 18 Mar 2021 17:42

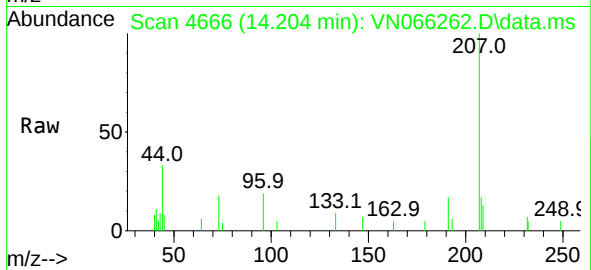
Tgt Ion: 91 Resp: 377
Ion Ratio Lower Upper
91 100
92 0.0 25.7 77.0#
134 0.0 11.8 35.4#





#92
 1,2-Dibromo-3-Chloropropane
 Concen: 0.92 ug/l
 RT: 14.204 min Scan# 4666
 Delta R.T. -0.008 min
 Lab File: VN066262.D
 Acq: 18 Mar 2021 17:42

Instrument :
 MSVOA_N
 ClientSampleId :



Tgt Ion:	75	Resp:	76
Ion	Ratio	Lower	Upper
75	100		
155	0.0	36.5	109.7#
157	0.0	46.3	138.8#

