

Data Path : Z:\voasrv\HPCHEM1\MSVOA_N\Data\VN031821\
 Data File : VN066264.D
 Acq On : 18 Mar 2021 18:28
 Operator : JC/MD
 Sample : PB135215ZHE#11
 Misc : 5.00mL/MSVOA_N/WATER
 ALS Vial : 21 Sample Multiplier: 1

Instrument :
 MSVOA_N
 ClientSampleId :

Quant Time: Mar 19 04:29:26 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

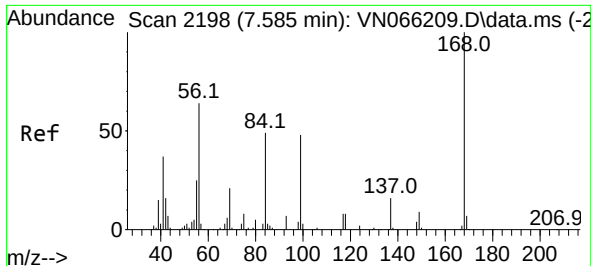
Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)

Internal Standards						
1) Pentafluorobenzene	7.587	168	309094	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	8.515	114	465146	50.00	ug/l	0.00
63) Chlorobenzene-d5	11.350	117	456153	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.286	152	160047	50.00	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	7.949	65	212687	47.76	ug/l	0.00
Spiked Amount 50.000	Range 78 - 117		Recovery =	95.52%		
35) Dibromofluoromethane	7.509	113	171590	57.82	ug/l	0.00
Spiked Amount 50.000	Range 75 - 124		Recovery =	115.64%		
50) Toluene-d8	10.028	98	659227	57.46	ug/l	0.00
Spiked Amount 50.000	Range 92 - 112		Recovery =	114.92%#		
62) 4-Bromofluorobenzene	12.345	95	183885	44.46	ug/l	0.00
Spiked Amount 50.000	Range 83 - 123		Recovery =	88.92%		
Target Compounds					Qvalue	
11) Tert butyl alcohol	4.715	59	382	0.50	ug/l #	73
13) Acrolein	3.537	56	3293	Below Cal	#	65
16) Acetone	3.744	43	82060	38.36	ug/l	96
18) Methyl Acetate	4.243	43	6367	1.06	ug/l	96
20) Methylene Chloride	4.460	84	13934	4.16	ug/l #	91
25) 2-Butanone	6.745	43	4460	1.34	ug/l	96
31) Cyclohexane	7.585	56	5231	0.78	ug/l #	1
36) 1,1-Dichloropropene	7.587	75	20108	4.27	ug/l #	48
38) Carbon Tetrachloride	7.587	117	25515	6.04	ug/l #	17
43) Isopropyl Acetate	8.094	43	30399	2.92	ug/l #	86
45) 1,2-Dichloropropane	9.210	63	2281	0.56	ug/l #	44
48) Methyl methacrylate	9.113	41	8557	1.73	ug/l #	21
49) 1,4-Dioxane	9.124	88	51	0.95	ug/l #	1
51) 4-Methyl-2-Pentanone	9.923	43	10905	1.73	ug/l	94
54) cis-1,3-Dichloropropene	9.845	75	47277	7.74	ug/l #	53
56) Ethyl methacrylate	10.481	69	995	2.32	ug/l #	1
57) 1,3-Dichloropropane	10.706	76	30629	5.06	ug/l #	43
59) 2-Hexanone	10.706	43	461525	94.66	ug/l #	57
71) Bromoform	12.345	173	981	0.36	ug/l #	1
74) N-amyl acetate	11.988	43	442	2.23	ug/l #	49
76) 1,2,3-Trichloropropane	12.345	75	85529	20.69	ug/l #	100
81) trans-1,4-Dichloro-2-b...	12.345	75	85529	61.93	ug/l #	11
82) 4-Chlorotoluene	12.670	91	92	0.48	ug/l #	43
89) n-Butylbenzene	13.286	91	351	2.27	ug/l #	34
92) 1,2-Dibromo-3-Chloropr...	14.206	75	144	1.00	ug/l #	8

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

Quant Time: Mar 19 04:29:26 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

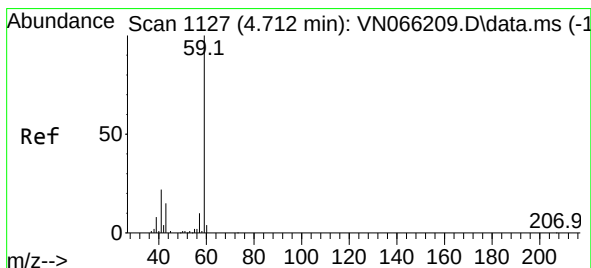
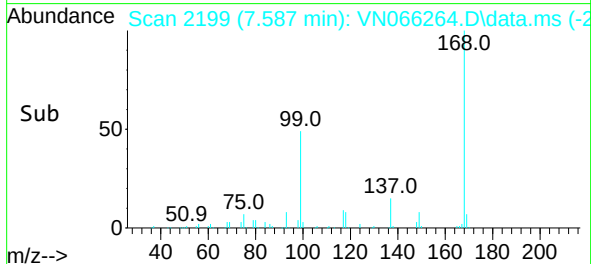
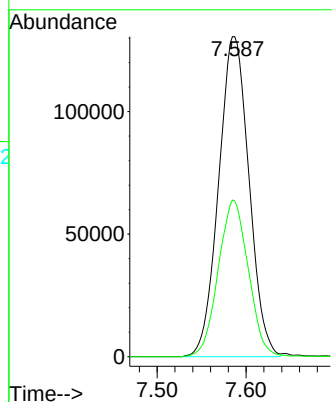
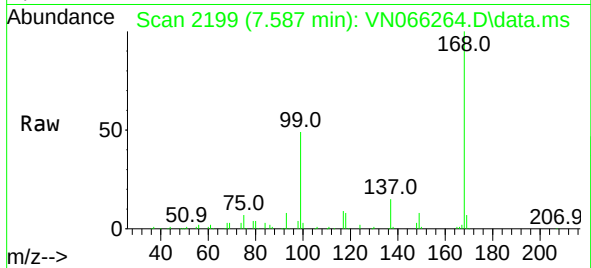




#1
Pentafluorobenzene
Concen: 50.00 ug/l
RT: 7.587 min Scan# 2199
Delta R.T. 0.002 min
Lab File: VN066264.D
Acq: 18 Mar 2021 18:28

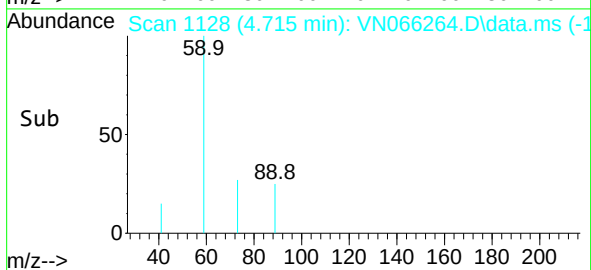
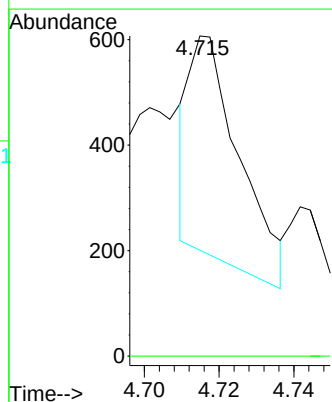
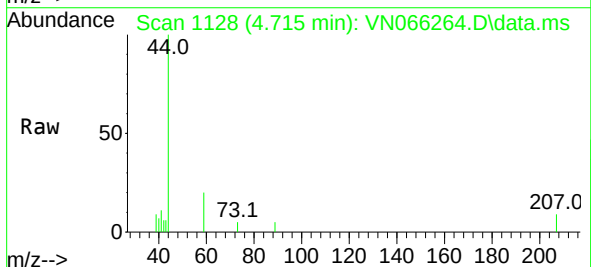
Instrument :
MSVOA_N
ClientSampleId :

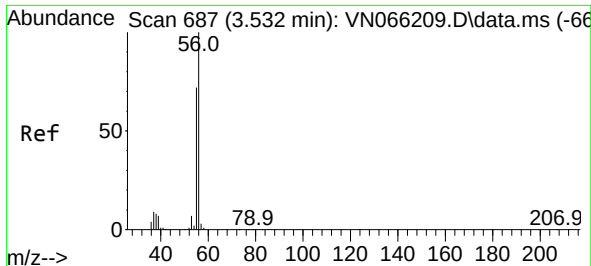
Tgt Ion:168 Resp: 309094
Ion Ratio Lower Upper
168 100
99 48.7 45.4 68.0



#11
Tert butyl alcohol
Concen: 0.50 ug/l
RT: 4.715 min Scan# 1128
Delta R.T. 0.003 min
Lab File: VN066264.D
Acq: 18 Mar 2021 18:28

Tgt Ion: 59 Resp: 382
Ion Ratio Lower Upper
59 100
57 0.0 8.0 12.0#

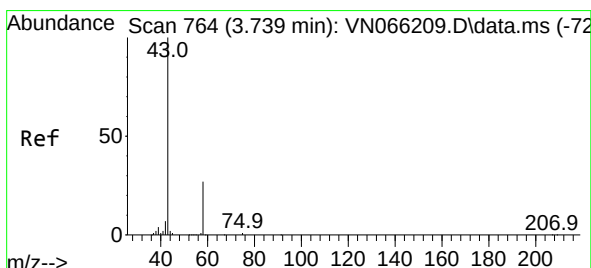
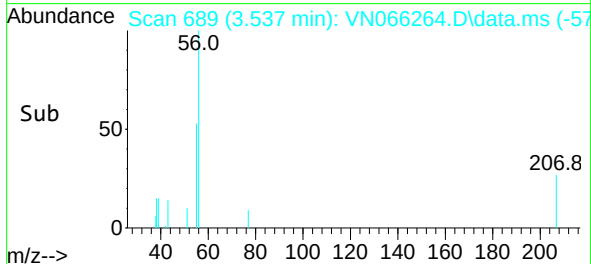
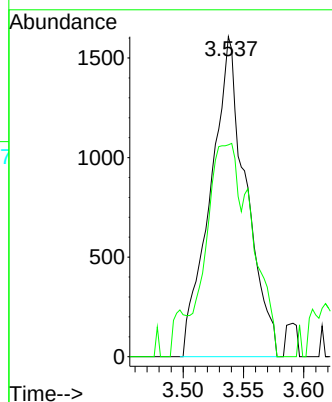
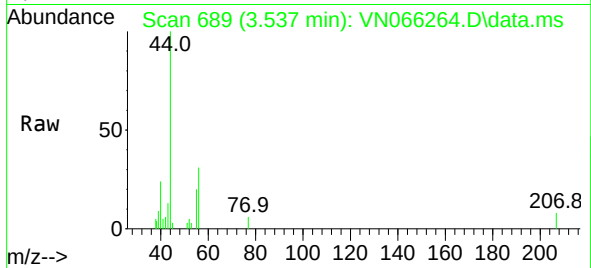




#13
Acrolein
Concen: Below Cal
RT: 3.537 min Scan# 689
Delta R.T. 0.005 min
Lab File: VN066264.D
Acq: 18 Mar 2021 18:28

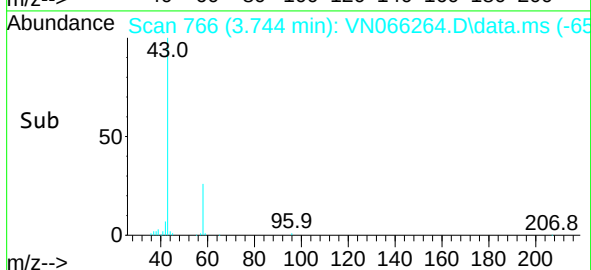
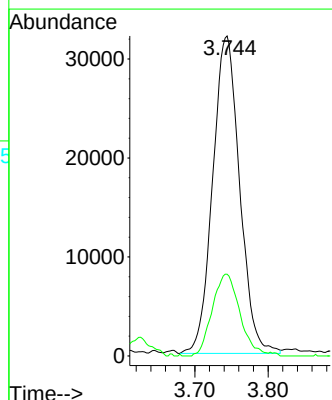
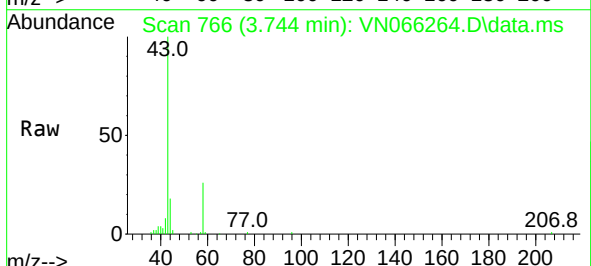
Instrument :
MSVOA_N
ClientSampled :

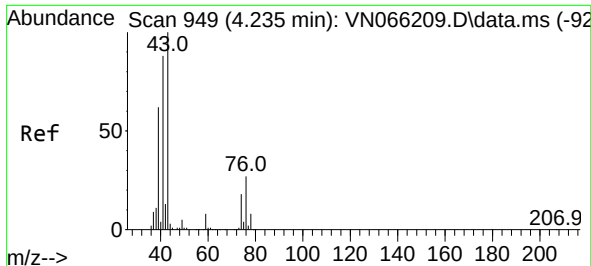
Tgt Ion: 56 Resp: 3293
Ion Ratio Lower Upper
56 100
55 43.5 58.0 87.0#



#16
Acetone
Concen: 38.36 ug/l
RT: 3.744 min Scan# 766
Delta R.T. 0.005 min
Lab File: VN066264.D
Acq: 18 Mar 2021 18:28

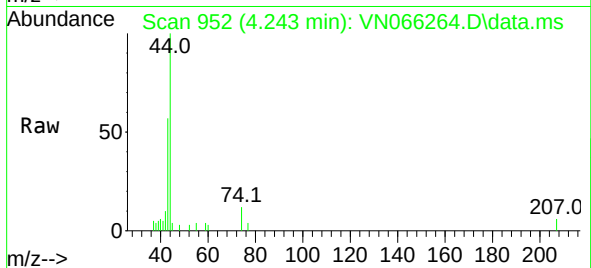
Tgt Ion: 43 Resp: 82060
Ion Ratio Lower Upper
43 100
58 25.7 22.3 33.5



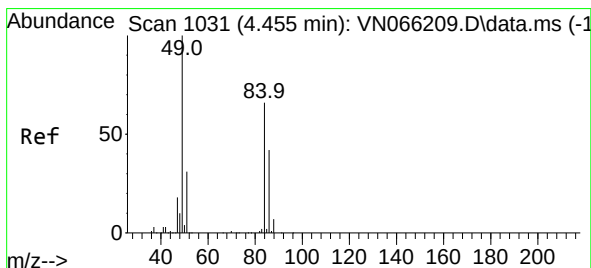
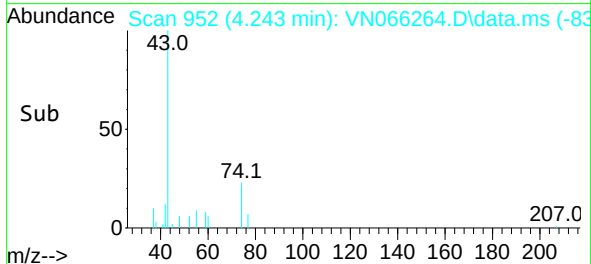
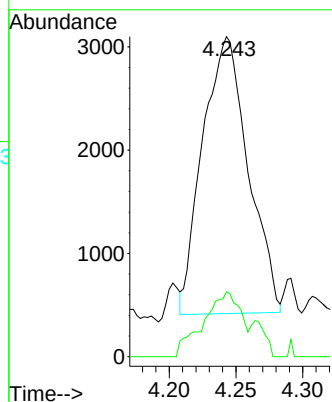


#18
Methyl Acetate
Concen: 1.06 ug/l
RT: 4.243 min Scan# 952
Delta R.T. 0.008 min
Lab File: VN066264.D
Acq: 18 Mar 2021 18:28

Instrument :
MSVOA_N
ClientSampleId :

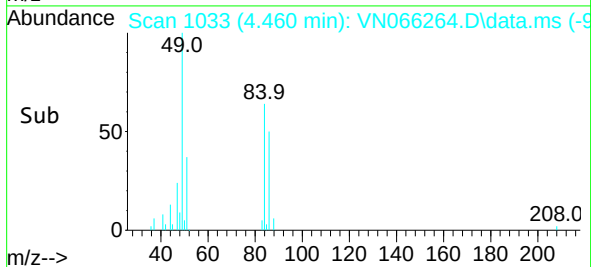
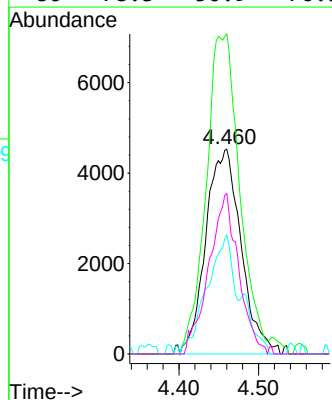
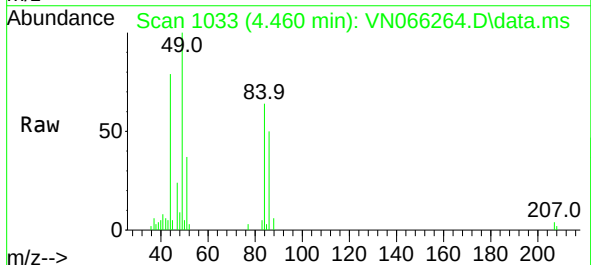


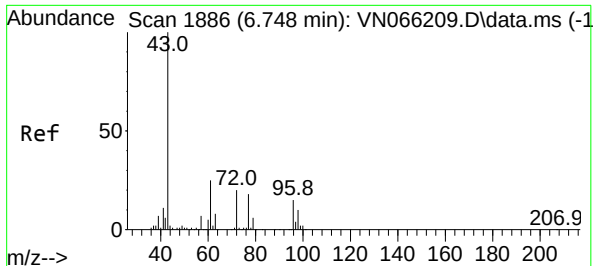
Tgt Ion: 43 Resp: 6367
Ion Ratio Lower Upper
43 100
74 19.3 14.2 21.2



#20
Methylene Chloride
Concen: 4.16 ug/l
RT: 4.460 min Scan# 1033
Delta R.T. 0.005 min
Lab File: VN066264.D
Acq: 18 Mar 2021 18:28

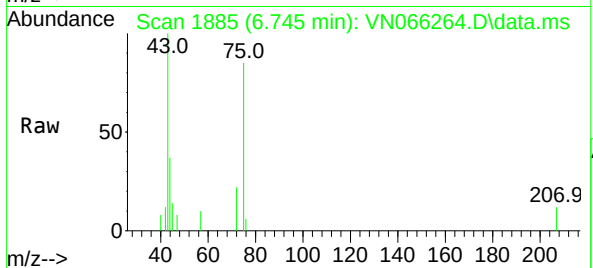
Tgt Ion: 84 Resp: 13934
Ion Ratio Lower Upper
84 100
49 156.3 130.0 195.0
51 58.0 39.1 58.7
86 78.3 50.9 76.3#



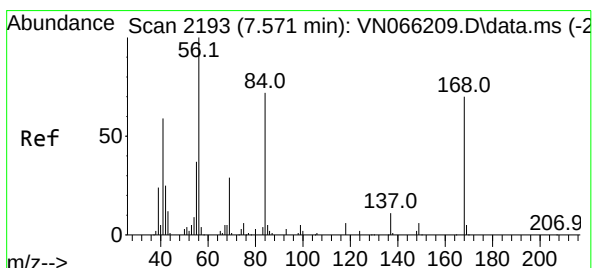
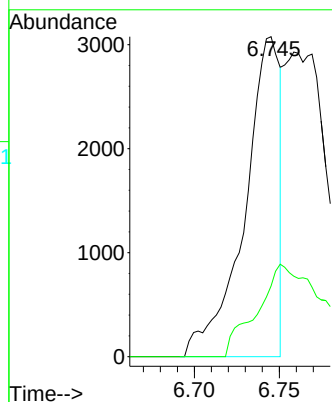
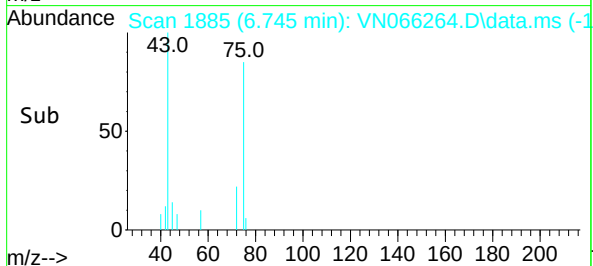


#25
2-Butanone
Concen: 1.34 ug/l
RT: 6.745 min Scan# 1885
Delta R.T. -0.003 min
Lab File: VN066264.D
Acq: 18 Mar 2021 18:28

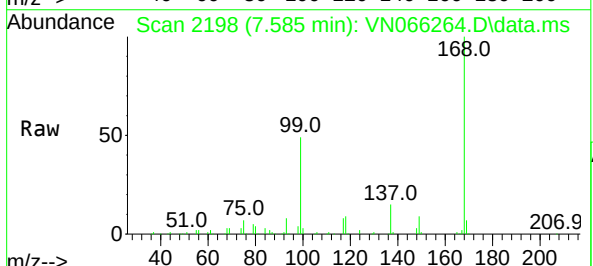
Instrument :
MSVOA_N
ClientSampleId :



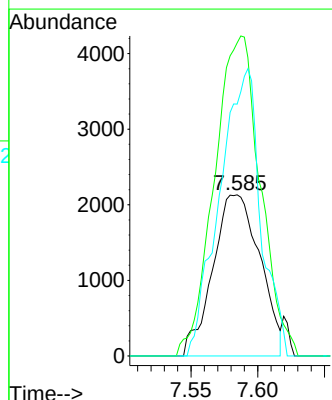
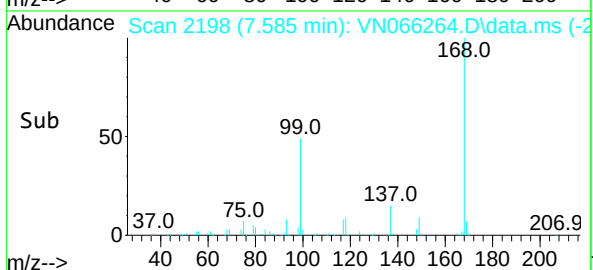
Tgt Ion: 43 Resp: 4460
Ion Ratio Lower Upper
43 100
72 22.1 16.2 24.2

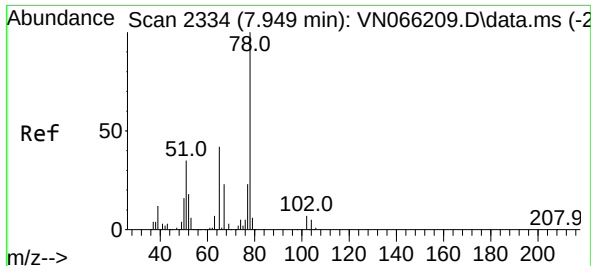


#31
Cyclohexane
Concen: 0.78 ug/l
RT: 7.585 min Scan# 2198
Delta R.T. 0.014 min
Lab File: VN066264.D
Acq: 18 Mar 2021 18:28



Tgt Ion: 56 Resp: 5231
Ion Ratio Lower Upper
56 100
69 187.0 23.4 35.0#
84 156.2 57.8 86.6#

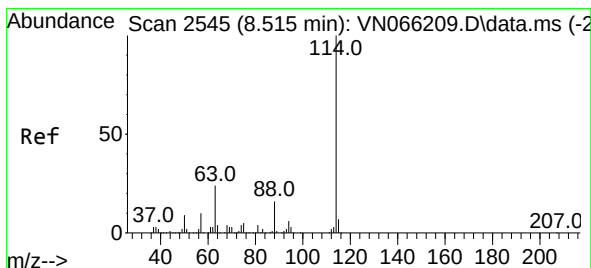
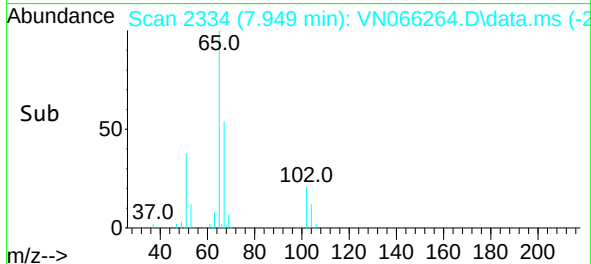
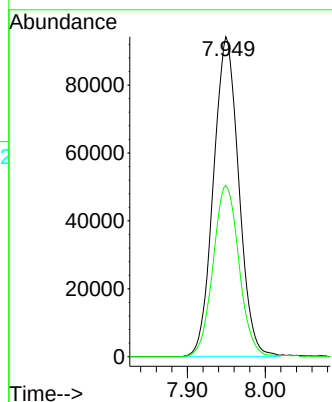
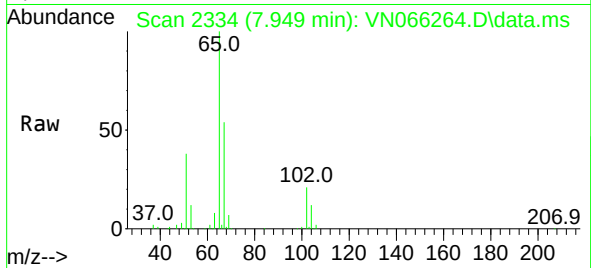




#33
1,2-Dichloroethane-d4
Concen: 47.76 ug/l
RT: 7.949 min Scan# 2334
Delta R.T. 0.000 min
Lab File: VN066264.D
Acq: 18 Mar 2021 18:28

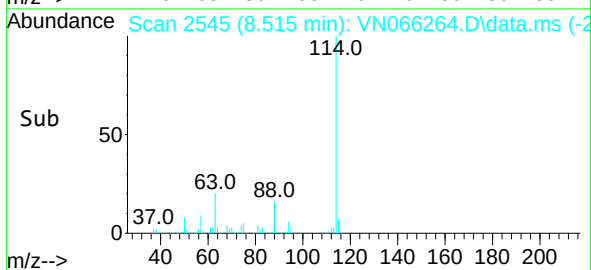
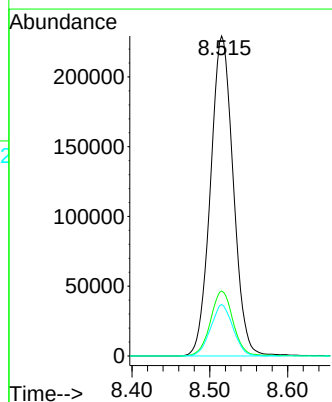
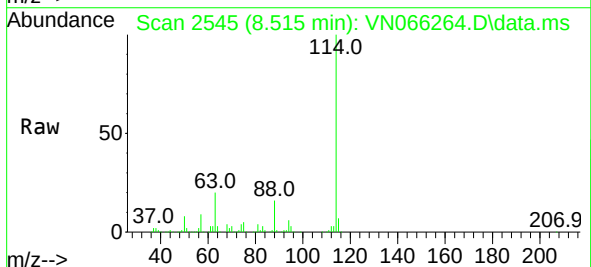
Instrument :
MSVOA_N
ClientSampleId :

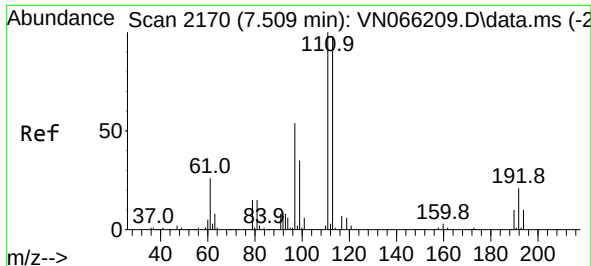
Tgt Ion: 65 Resp: 212687
Ion Ratio Lower Upper
65 100
67 54.8 0.0 107.2



#34
1,4-Difluorobenzene
Concen: 50.00 ug/l
RT: 8.515 min Scan# 2545
Delta R.T. 0.000 min
Lab File: VN066264.D
Acq: 18 Mar 2021 18:28

Tgt Ion: 114 Resp: 465146
Ion Ratio Lower Upper
114 100
63 20.3 0.0 49.2
88 16.1 0.0 33.8

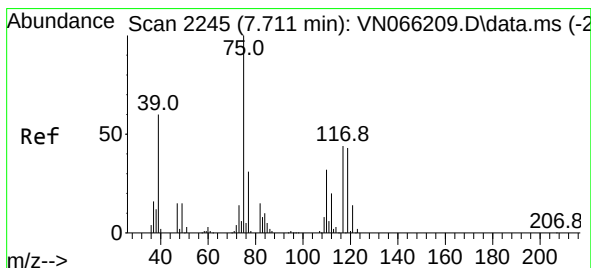
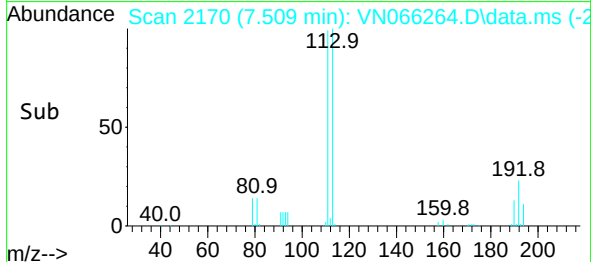
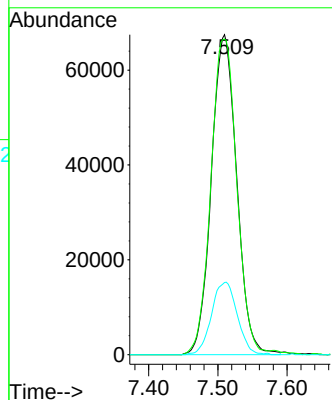
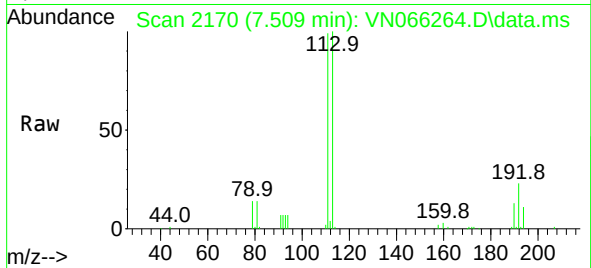




#35
Dibromofluoromethane
Concen: 57.82 ug/l
RT: 7.509 min Scan# 2170
Delta R.T. 0.000 min
Lab File: VN066264.D
Acq: 18 Mar 2021 18:28

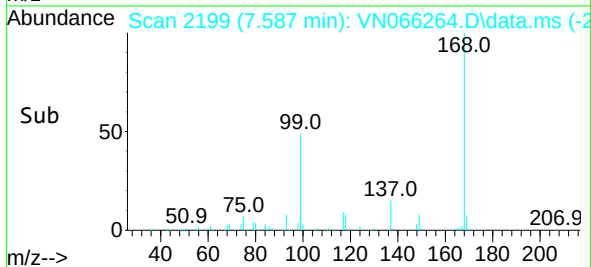
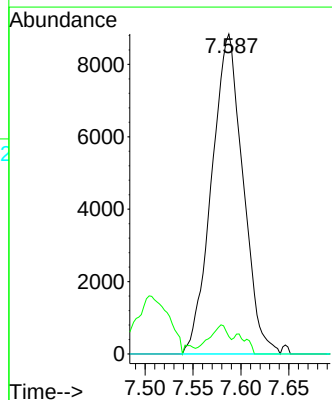
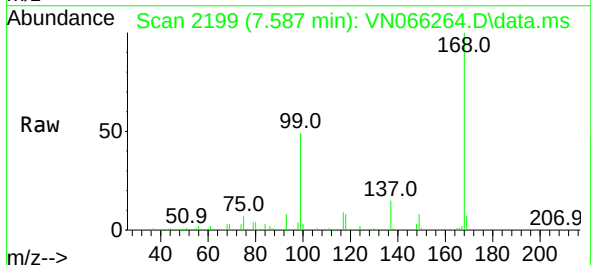
Instrument :
MSVOA_N
ClientSampleId :

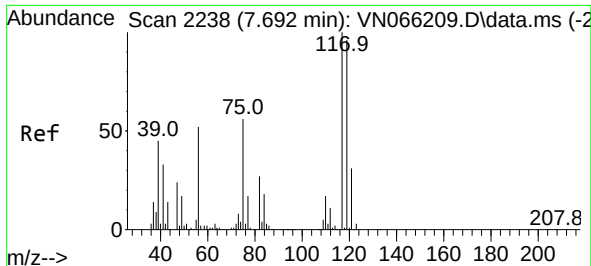
Tgt Ion:113 Resp: 171590
Ion Ratio Lower Upper
113 100
111 100.9 84.0 126.0
192 22.9 16.7 25.1



#36
1,1-Dichloropropene
Concen: 4.27 ug/l
RT: 7.587 min Scan# 2199
Delta R.T. -0.124 min
Lab File: VN066264.D
Acq: 18 Mar 2021 18:28

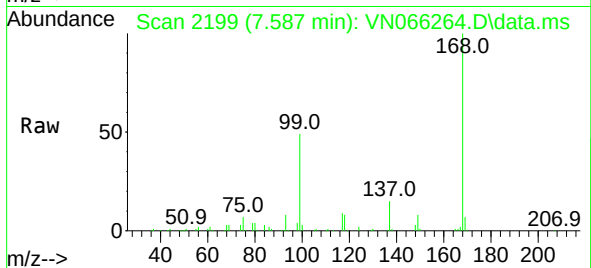
Tgt Ion: 75 Resp: 20108
Ion Ratio Lower Upper
75 100
110 5.6 16.0 48.0#
77 0.0 24.9 37.3#



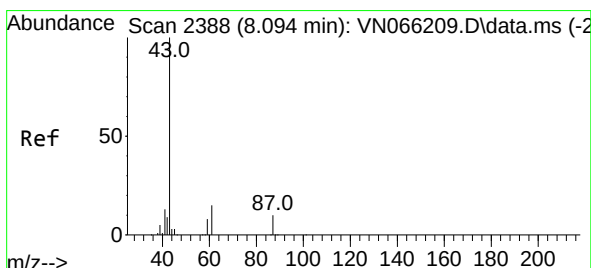
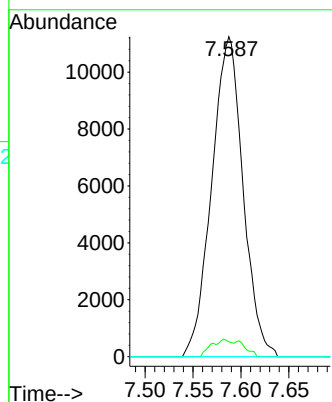
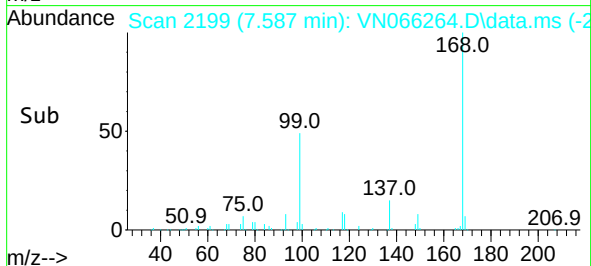


#38
Carbon Tetrachloride
Concen: 6.04 ug/l
RT: 7.587 min Scan# 2199
Delta R.T. -0.105 min
Lab File: VN066264.D
Acq: 18 Mar 2021 18:28

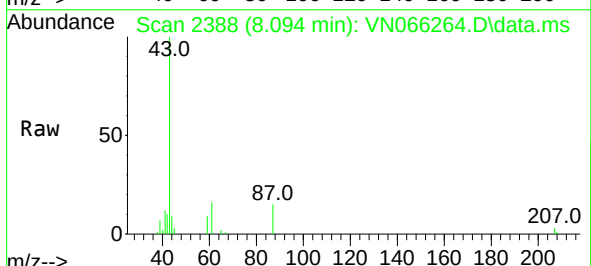
Instrument :
MSVOA_N
ClientSampled :



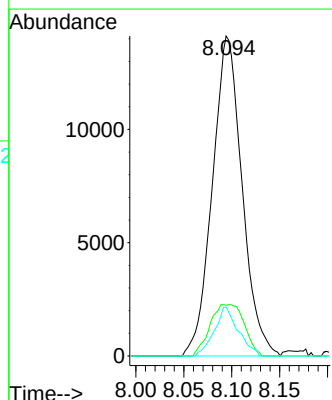
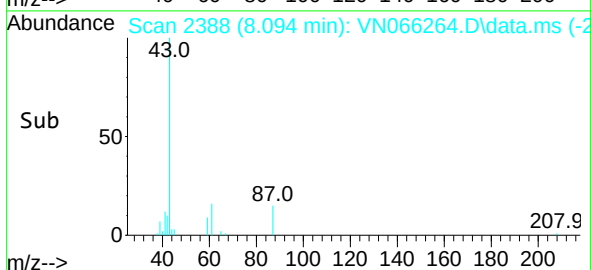
Tgt Ion:117 Resp: 25515
Ion Ratio Lower Upper
117 100
119 4.7 74.6 111.8#
121 0.0 23.9 35.9#

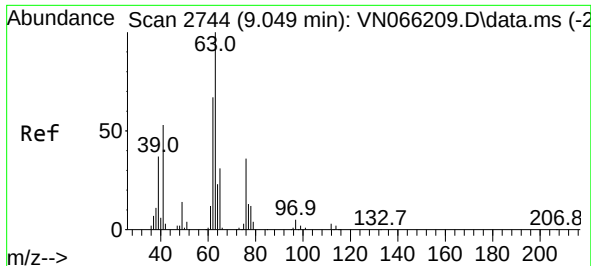


#43
Isopropyl Acetate
Concen: 2.92 ug/l
RT: 8.094 min Scan# 2388
Delta R.T. 0.000 min
Lab File: VN066264.D
Acq: 18 Mar 2021 18:28



Tgt Ion: 43 Resp: 30399
Ion Ratio Lower Upper
43 100
61 9.3 14.0 21.0#
87 12.3 7.9 11.9#

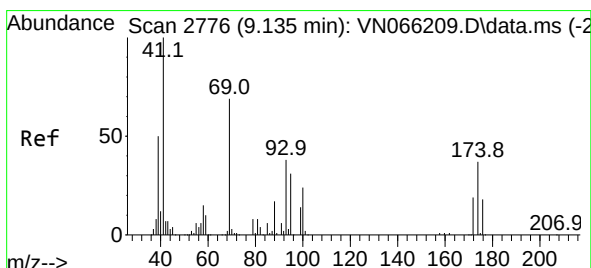
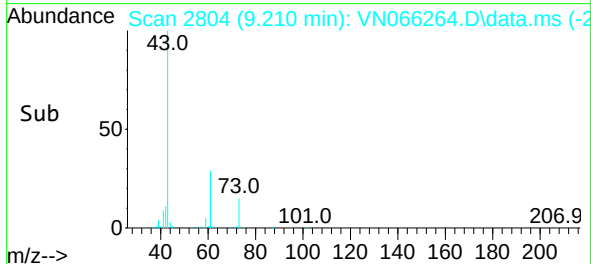
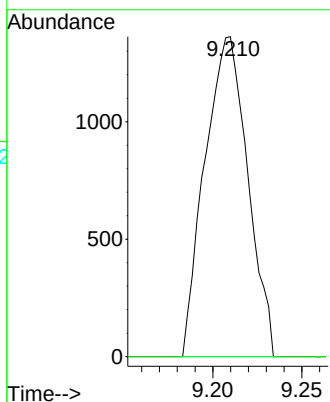
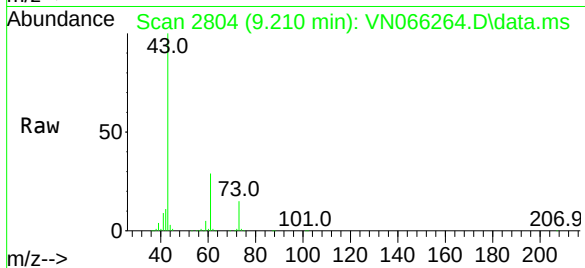




#45
1,2-Dichloropropane
Concen: 0.56 ug/l
RT: 9.210 min Scan# 2804
Delta R.T. 0.161 min
Lab File: VN066264.D
Acq: 18 Mar 2021 18:28

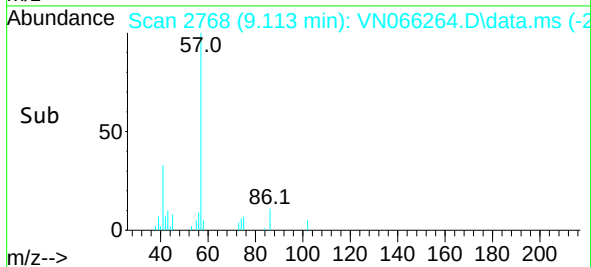
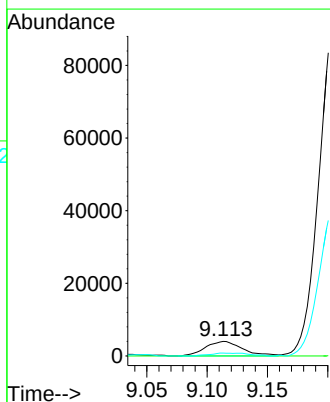
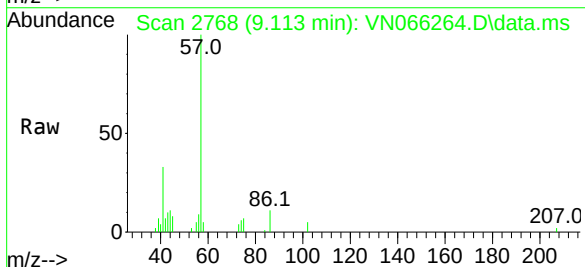
Instrument :
MSVOA_N
ClientSampled :

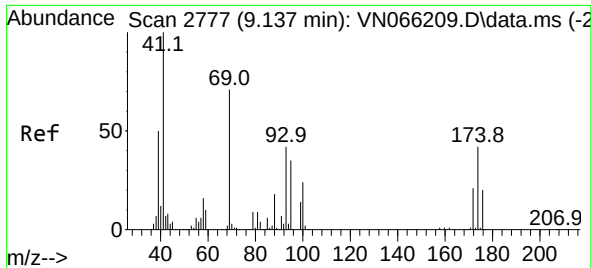
Tgt Ion: 63 Resp: 2281
Ion Ratio Lower Upper
63 100
65 0.0 24.6 37.0#



#48
Methyl methacrylate
Concen: 1.73 ug/l
RT: 9.113 min Scan# 2768
Delta R.T. -0.022 min
Lab File: VN066264.D
Acq: 18 Mar 2021 18:28

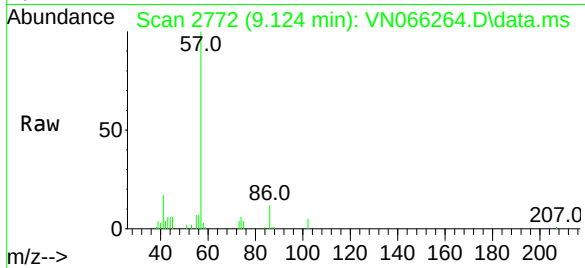
Tgt Ion: 41 Resp: 8557
Ion Ratio Lower Upper
41 100
69 0.0 54.7 82.1#
39 0.0 40.2 60.2#



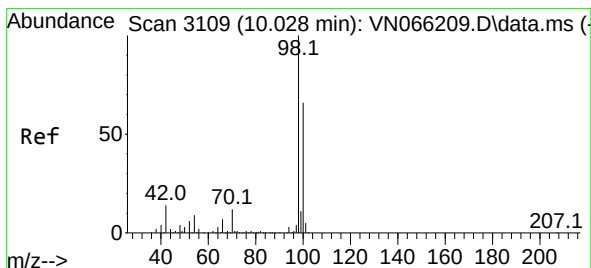
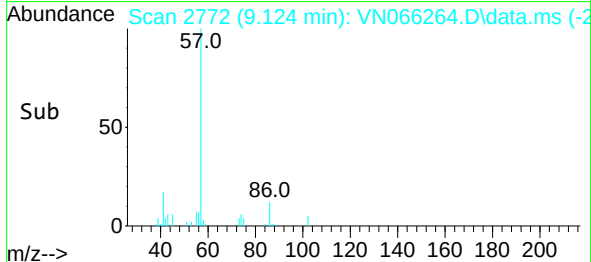
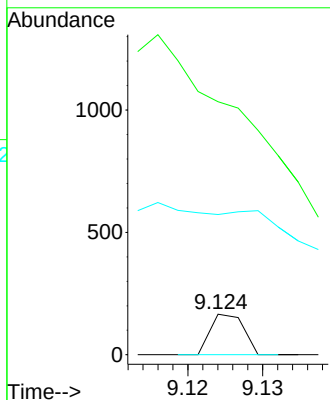


#49
1,4-Dioxane
Concen: 0.95 ug/l
RT: 9.124 min Scan# 2772
Delta R.T. -0.013 min
Lab File: VN066264.D
Acq: 18 Mar 2021 18:28

Instrument :
MSVOA_N
ClientSampled :

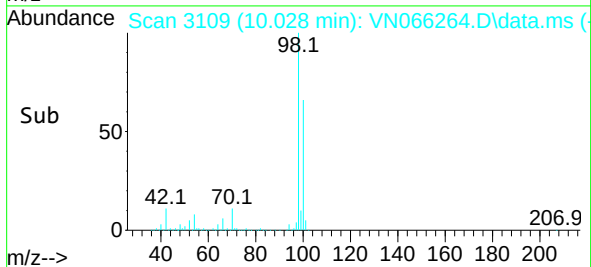
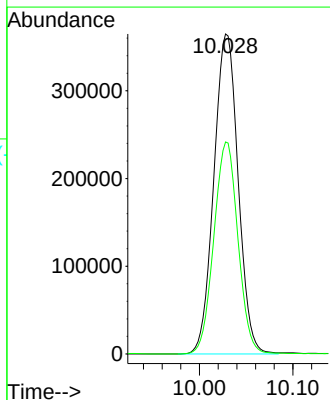
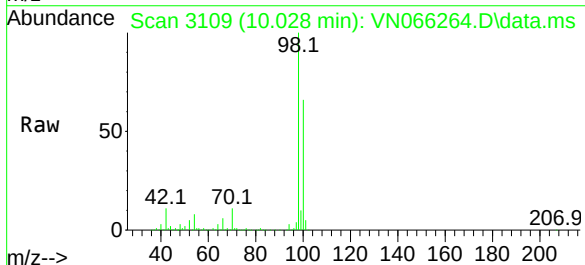


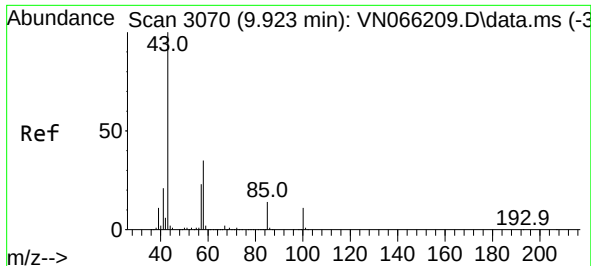
Tgt Ion: 88 Resp: 51
Ion Ratio Lower Upper
88 100
43 0.0 34.4 51.6#
58 2656.9 67.3 100.9#



#50
Toluene-d8
Concen: 57.46 ug/l
RT: 10.028 min Scan# 3109
Delta R.T. -0.000 min
Lab File: VN066264.D
Acq: 18 Mar 2021 18:28

Tgt Ion: 98 Resp: 659227
Ion Ratio Lower Upper
98 100
100 65.8 51.0 76.6

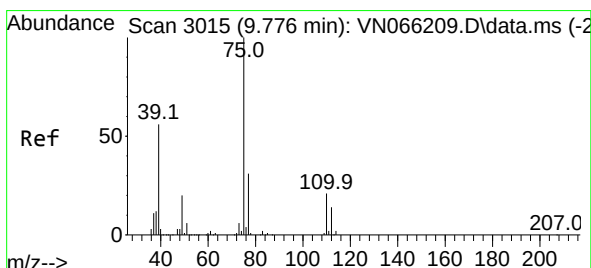
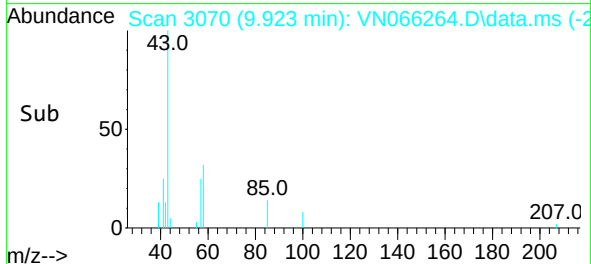
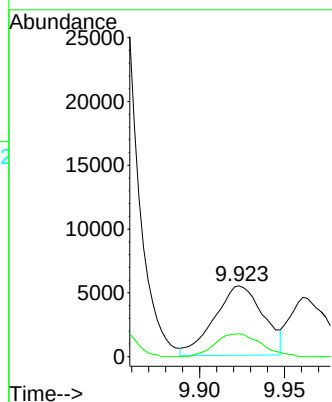
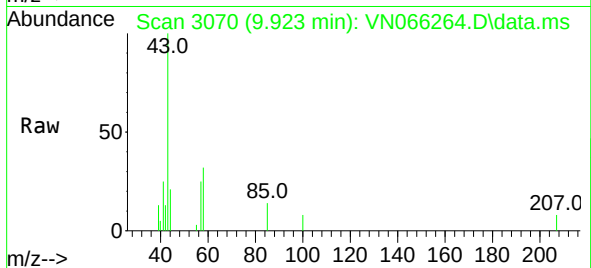




#51
4-Methyl-2-Pentanone
Concen: 1.73 ug/l
RT: 9.923 min Scan# 3070
Delta R.T. 0.000 min
Lab File: VN066264.D
Acq: 18 Mar 2021 18:28

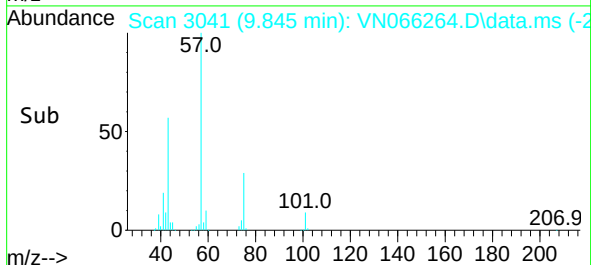
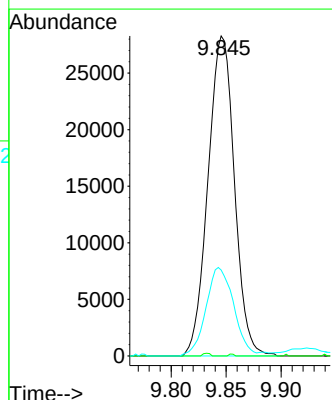
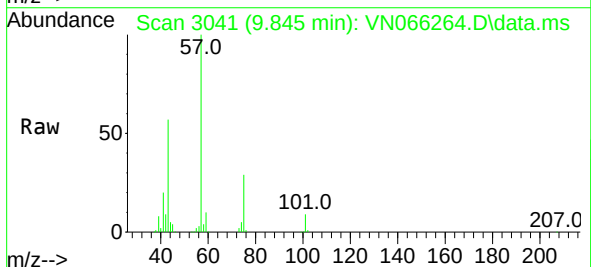
Instrument :
MSVOA_N
ClientSampled :

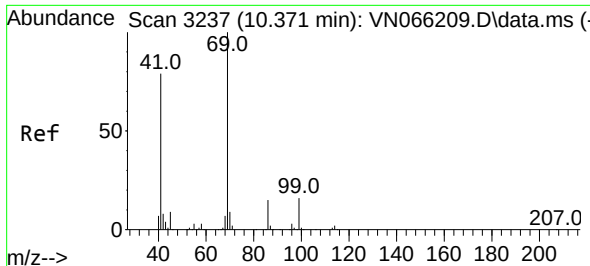
Tgt Ion: 43 Resp: 10905
Ion Ratio Lower Upper
43 100
58 31.0 27.5 41.3



#54
cis-1,3-Dichloropropene
Concen: 7.74 ug/l
RT: 9.845 min Scan# 3041
Delta R.T. 0.069 min
Lab File: VN066264.D
Acq: 18 Mar 2021 18:28

Tgt Ion: 75 Resp: 47277
Ion Ratio Lower Upper
75 100
77 0.0 25.0 37.4#
39 26.9 46.2 69.2#

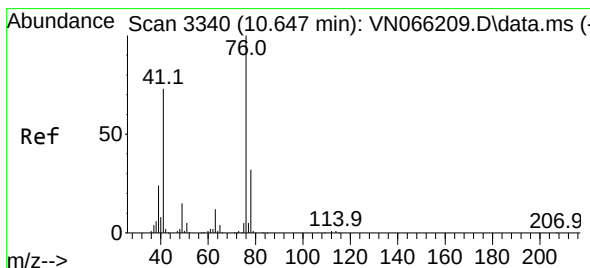
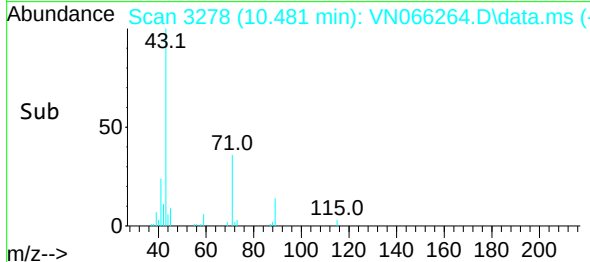
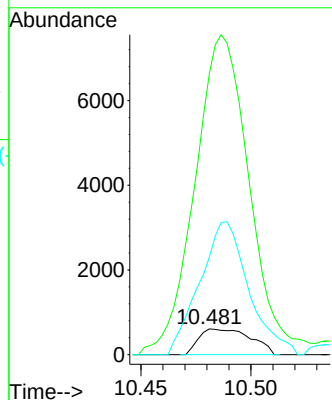
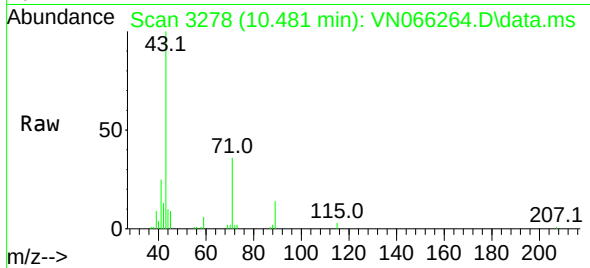




#56
Ethyl methacrylate
Concen: 2.32 ug/l
RT: 10.481 min Scan# 3278
Delta R.T. 0.110 min
Lab File: VN066264.D
Acq: 18 Mar 2021 18:28

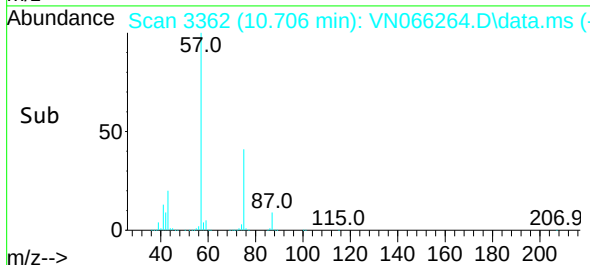
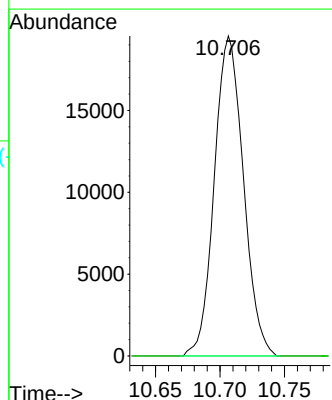
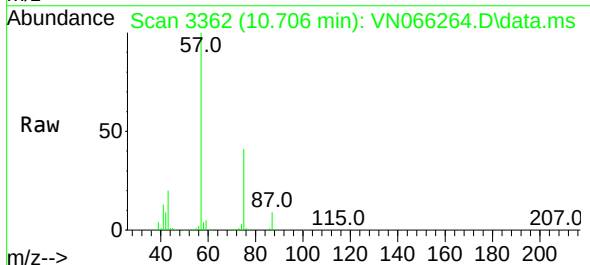
Instrument :
MSVOA_N
ClientSampled :

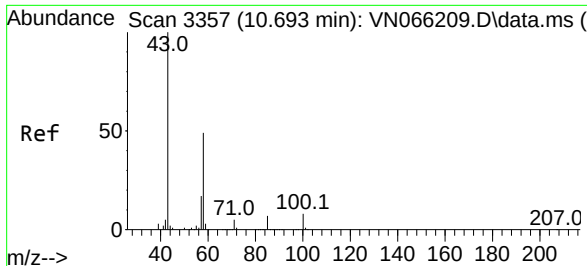
Tgt Ion: 69 Resp: 995
Ion Ratio Lower Upper
69 100
41 1310.8 66.2 99.4#
39 488.0 31.5 47.3#



#57
1,3-Dichloropropane
Concen: 5.06 ug/l
RT: 10.706 min Scan# 3362
Delta R.T. 0.059 min
Lab File: VN066264.D
Acq: 18 Mar 2021 18:28

Tgt Ion: 76 Resp: 30629
Ion Ratio Lower Upper
76 100
78 0.0 25.4 38.2#

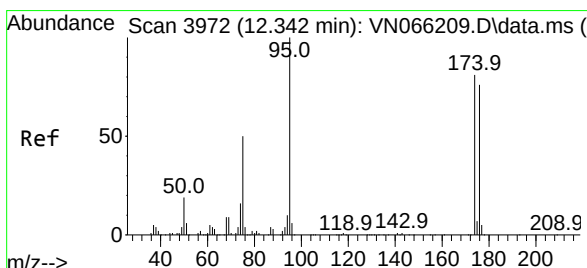
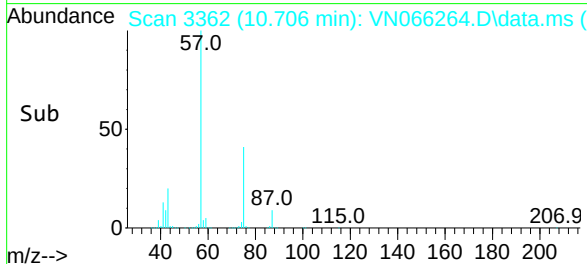
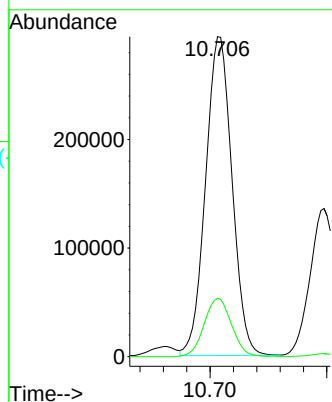
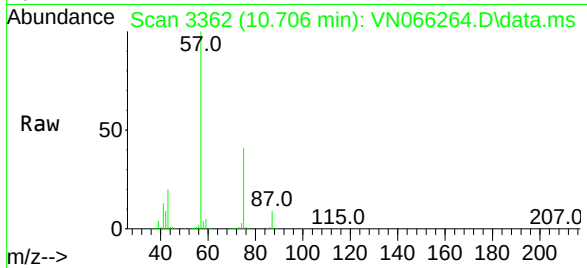




#59
2-Hexanone
Concen: 94.66 ug/l
RT: 10.706 min Scan# 3362
Delta R.T. 0.013 min
Lab File: VN066264.D
Acq: 18 Mar 2021 18:28

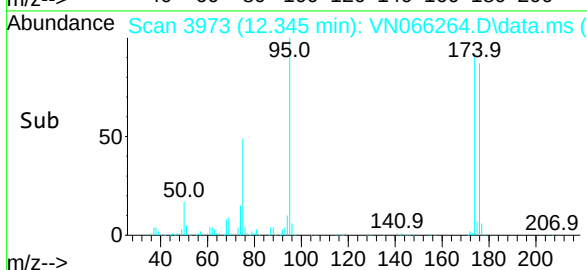
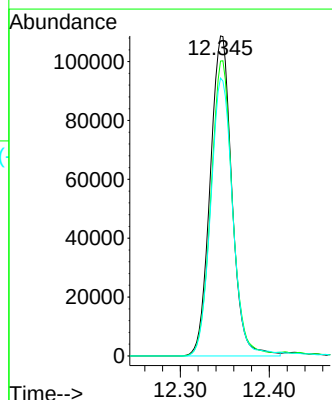
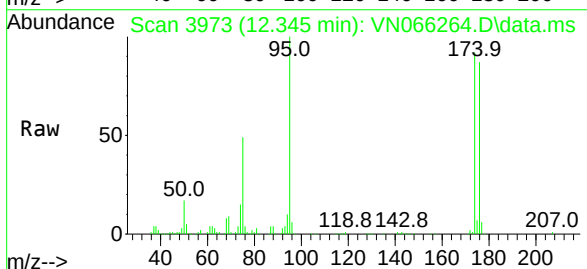
Instrument :
MSVOA_N
ClientSampleId :

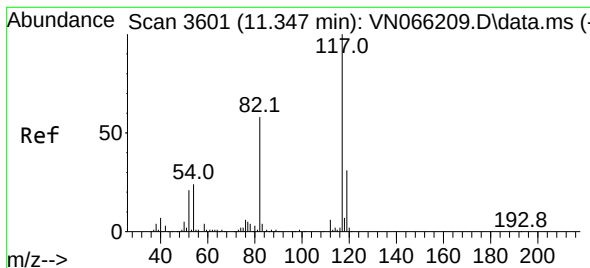
Tgt Ion: 43 Resp: 461525
Ion Ratio Lower Upper
43 100
58 19.0 23.8 71.5#



#62
4-Bromofluorobenzene
Concen: 44.46 ug/l
RT: 12.345 min Scan# 3973
Delta R.T. 0.003 min
Lab File: VN066264.D
Acq: 18 Mar 2021 18:28

Tgt Ion: 95 Resp: 183885
Ion Ratio Lower Upper
95 100
174 91.8 0.0 162.4
176 87.9 0.0 156.2

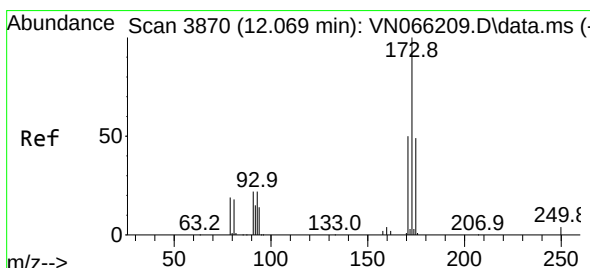
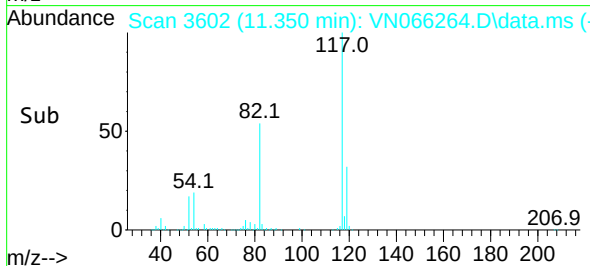
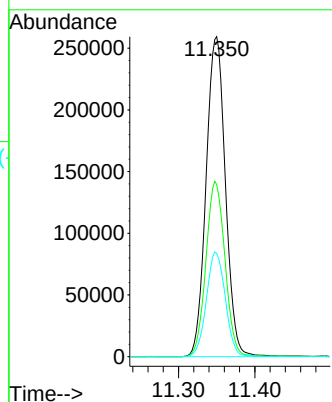
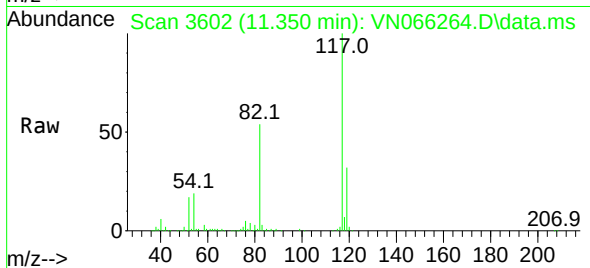




#63
Chlorobenzene-d5
Concen: 50.00 ug/l
RT: 11.350 min Scan# 3602
Delta R.T. 0.003 min
Lab File: VN066264.D
Acq: 18 Mar 2021 18:28

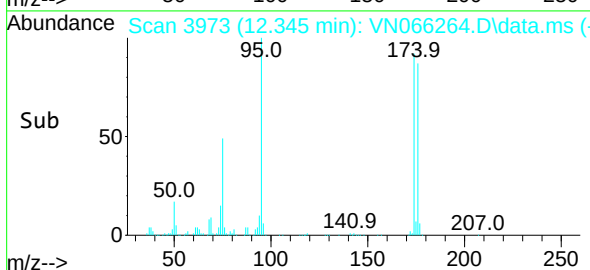
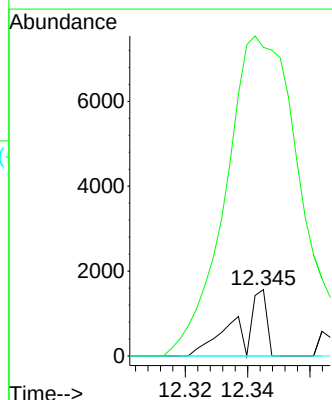
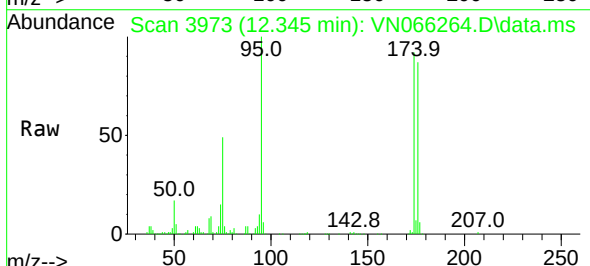
Instrument :
MSVOA_N
ClientSampleId :

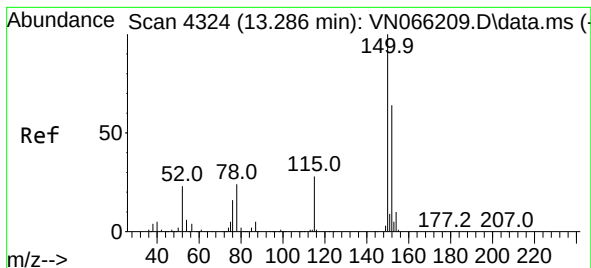
Tgt Ion:117 Resp: 456153
Ion Ratio Lower Upper
117 100
82 53.8 49.0 73.6
119 32.3 25.7 38.5



#71
Bromoform
Concen: 0.36 ug/l
RT: 12.345 min Scan# 3973
Delta R.T. 0.276 min
Lab File: VN066264.D
Acq: 18 Mar 2021 18:28

Tgt Ion:173 Resp: 981
Ion Ratio Lower Upper
173 100
175 1159.7 23.9 71.8#
254 0.0 0.0 0.0

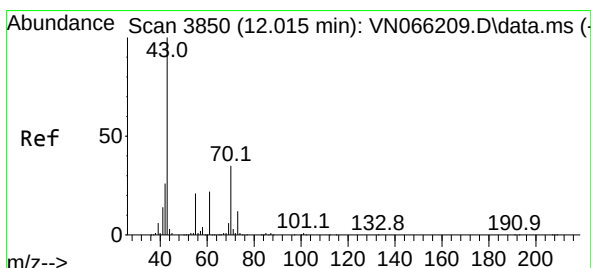
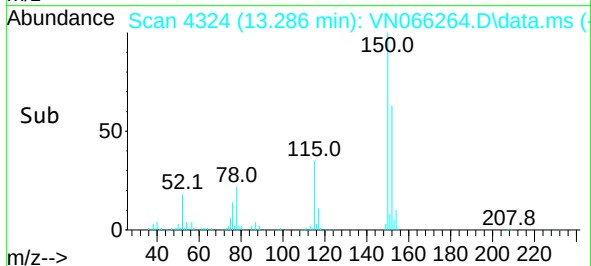
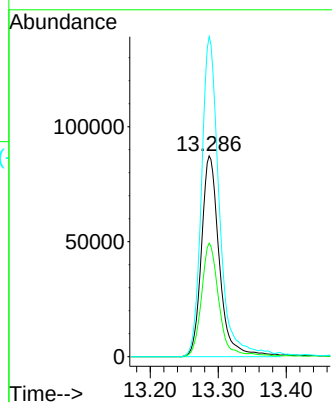
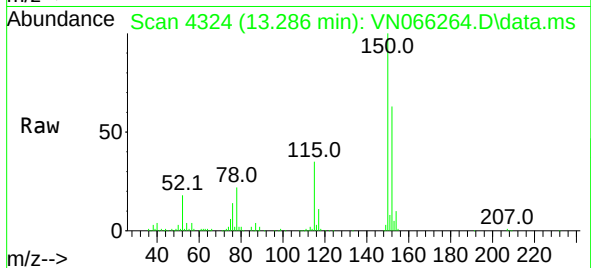




#72
1,4-Dichlorobenzene-d4
Concen: 50.00 ug/l
RT: 13.286 min Scan# 4324
Delta R.T. 0.000 min
Lab File: VN066264.D
Acq: 18 Mar 2021 18:28

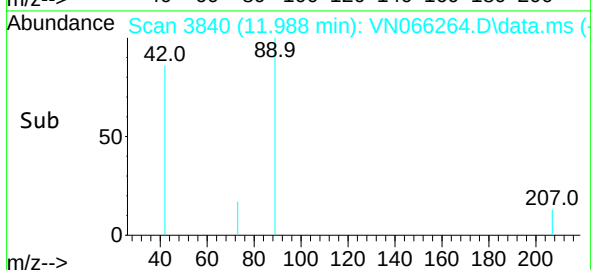
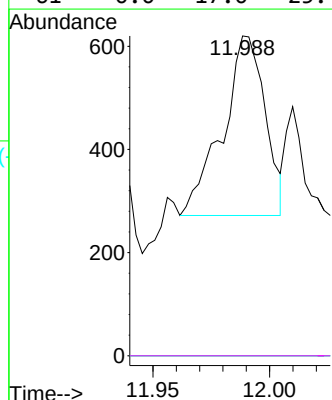
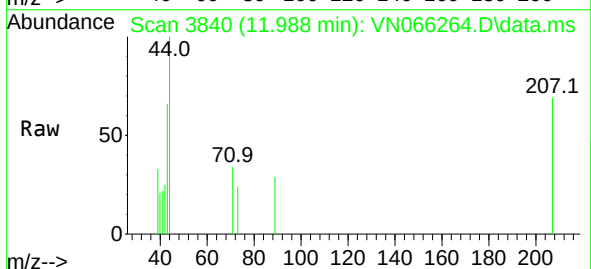
Instrument :
MSVOA_N
ClientSampled :

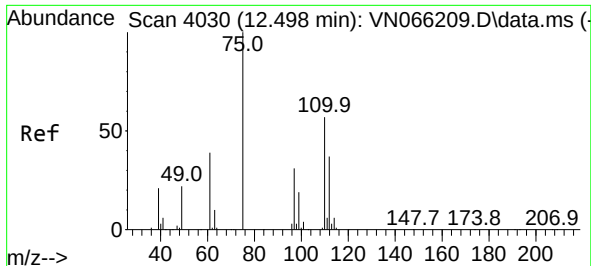
Tgt Ion:152 Resp: 160047
Ion Ratio Lower Upper
152 100
115 54.0 29.4 88.3
150 156.0 0.0 352.2



#74
N-ethyl acetate
Concen: 2.23 ug/l
RT: 11.988 min Scan# 3840
Delta R.T. -0.027 min
Lab File: VN066264.D
Acq: 18 Mar 2021 18:28

Tgt Ion: 43 Resp: 442
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#

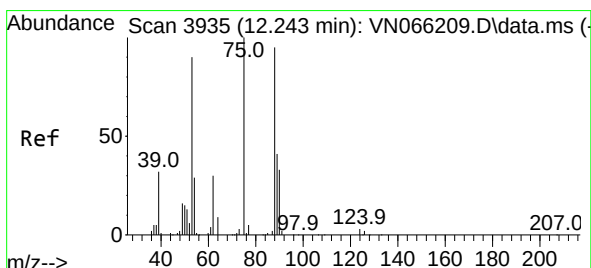
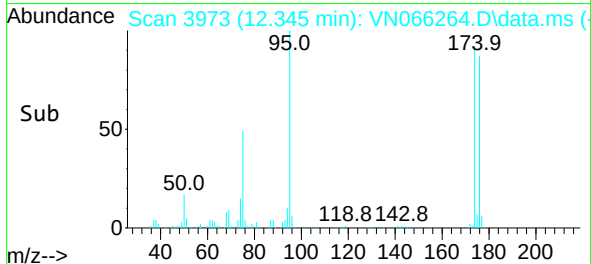
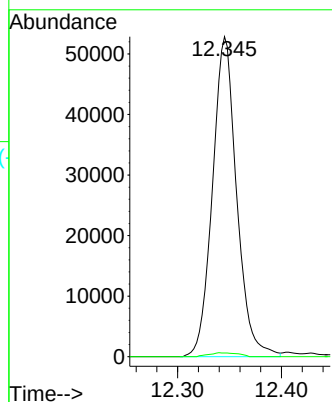
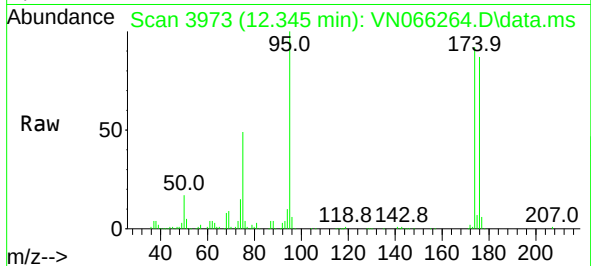




#76
1,2,3-Trichloropropane
Concen: 20.69 ug/l
RT: 12.345 min Scan# 3973
Delta R.T. -0.153 min
Lab File: VN066264.D
Acq: 18 Mar 2021 18:28

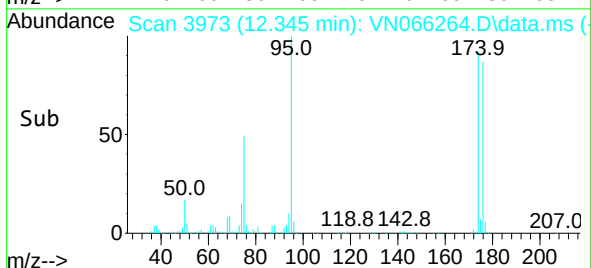
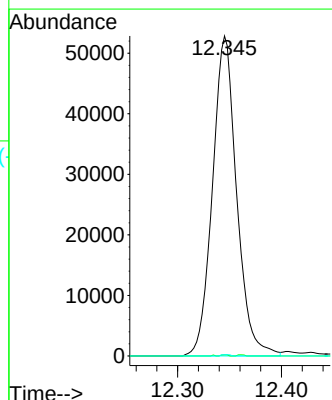
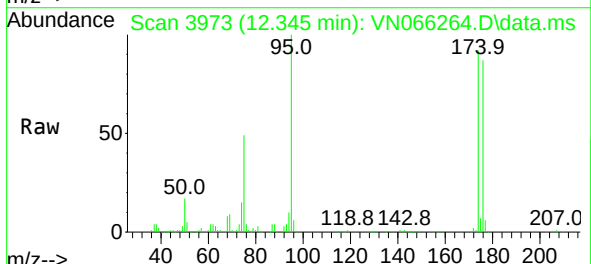
Instrument :
MSVOA_N
ClientSampled :

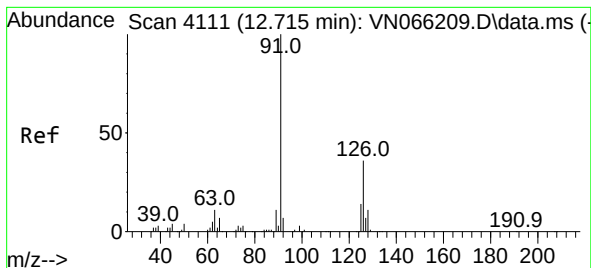
Tgt Ion: 75 Resp: 85529
Ion Ratio Lower Upper
75 100
77 1.5 0.0 0.0#



#81
trans-1,4-Dichloro-2-butene
Concen: 61.93 ug/l
RT: 12.345 min Scan# 3973
Delta R.T. 0.102 min
Lab File: VN066264.D
Acq: 18 Mar 2021 18:28

Tgt Ion: 75 Resp: 85529
Ion Ratio Lower Upper
75 100
53 0.1 77.8 116.6#
89 0.2 33.7 50.5#

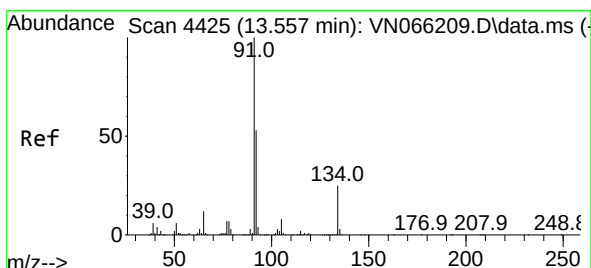
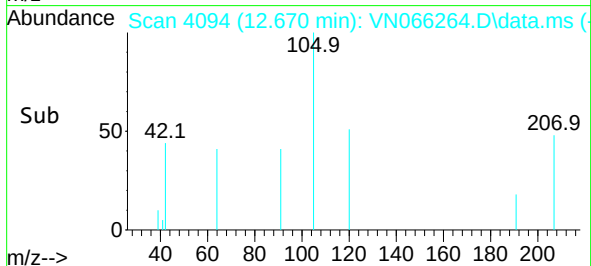
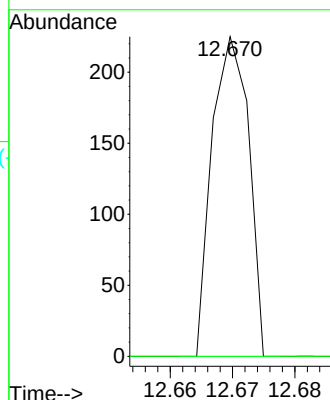
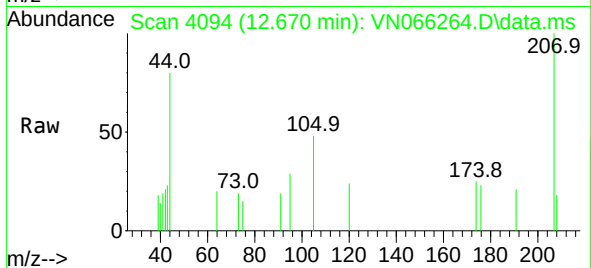




#82
4-Chlorotoluene
Concen: 0.48 ug/l
RT: 12.670 min Scan# 4094
Delta R.T. -0.045 min
Lab File: VN066264.D
Acq: 18 Mar 2021 18:28

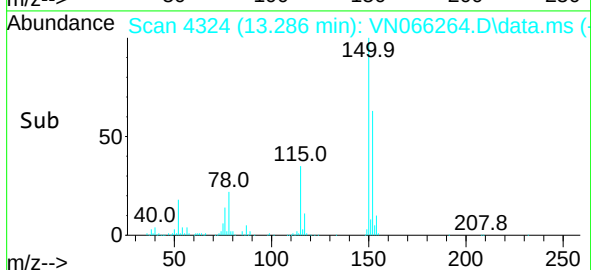
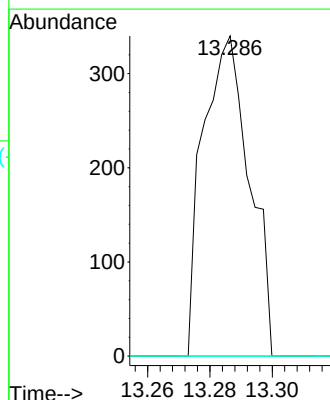
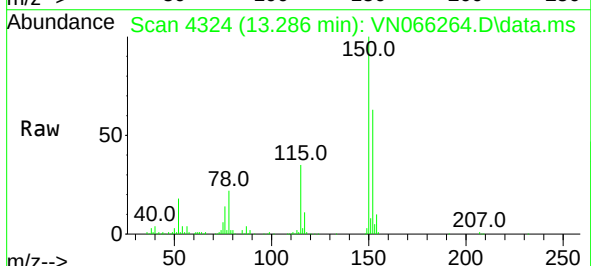
Instrument :
MSVOA_N
ClientSampled :

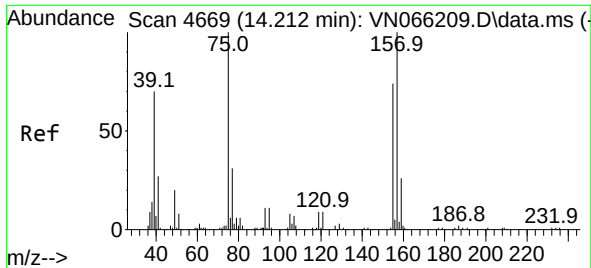
Tgt Ion: 91 Resp: 92
Ion Ratio Lower Upper
91 100
126 0.0 15.7 47.1#



#89
n-Butylbenzene
Concen: 2.27 ug/l
RT: 13.286 min Scan# 4324
Delta R.T. -0.271 min
Lab File: VN066264.D
Acq: 18 Mar 2021 18:28

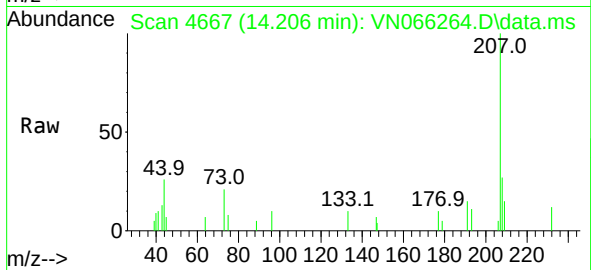
Tgt Ion: 91 Resp: 351
Ion Ratio Lower Upper
91 100
92 0.0 25.7 77.0#
134 0.0 11.8 35.4#





#92
 1,2-Dibromo-3-Chloropropane
 Concen: 1.00 ug/l
 RT: 14.206 min Scan# 4667
 Delta R.T. -0.006 min
 Lab File: VN066264.D
 Acq: 18 Mar 2021 18:28

Instrument :
 MSVOA_N
 ClientSampleId :



Tgt Ion: 75 Resp: 144
 Ion Ratio Lower Upper
 75 100
 155 0.0 36.5 109.7#
 157 0.0 46.3 138.8#

