

Data Path : Z:\voasrv\HPCHEM1\MSVOA_N\Data\VN042921\
 Data File : VN066891.D
 Acq On : 30 Apr 2021 3:41
 Operator : JC/MD
 Sample : M2223-04
 Misc : 5.00mL/MSVOA_N/WATER
 ALS Vial : 42 Sample Multiplier: 1

Instrument :
 MSVOA_N
 ClientSampleId :

Quant Time: Apr 30 06:33:06 2021
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA_N\methods\82N042721W.M
 Quant Title : SW846 8260
 QLast Update : Tue Apr 27 16:02:50 2021
 Response via : Initial Calibration

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

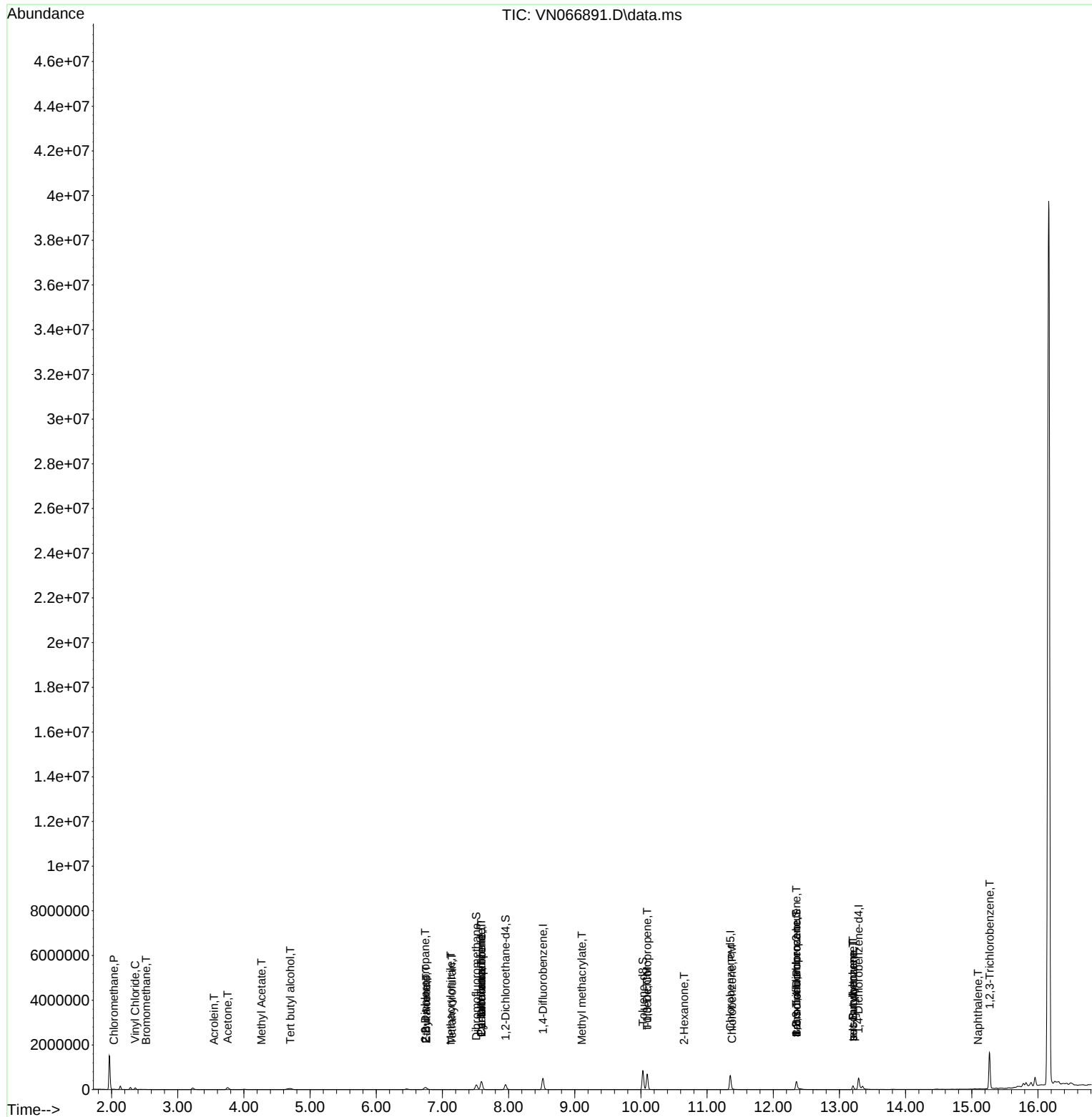
Internal Standards						
1) Pentafluorobenzene	7.591	168	326639	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	8.519	114	484621	50.00	ug/l	0.00
63) Chlorobenzene-d5	11.351	117	424572	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.290	152	202309	50.00	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	7.953	65	188822	44.99	ug/l	0.00
Spiked Amount 50.000	Range 61 - 141		Recovery =	89.98%		
35) Dibromofluoromethane	7.513	113	167512	56.00	ug/l	0.00
Spiked Amount 50.000	Range 69 - 133		Recovery =	112.00%		
50) Toluene-d8	10.029	98	608995	51.86	ug/l	0.00
Spiked Amount 50.000	Range 65 - 126		Recovery =	103.72%		
62) 4-Bromofluorobenzene	12.349	95	178373	44.90	ug/l	0.00
Spiked Amount 50.000	Range 58 - 135		Recovery =	89.80%		
Target Compounds						Qvalue
3) Chloromethane	2.037	50	2703	0.58	ug/l	98
4) Vinyl Chloride	2.358	62	1278	0.28	ug/l #	79
5) Bromomethane	2.522	94	1426	0.48	ug/l	91
11) Tert butyl alcohol	4.702	59	111455	172.22	ug/l #	83
13) Acrolein	3.547	56	920	1.70	ug/l #	69
16) Acetone	3.753	43	151876	95.92	ug/l	94
18) Methyl Acetate	4.265	43	2176	1.61	ug/l #	80
25) 2-Butanone	6.754	43	24396	10.96	ug/l #	89
26) 2,2-Dichloropropane	6.741	77	7651	1.33	ug/l #	51
29) Tetrahydrofuran	7.143	42	1684	1.11	ug/l #	73
31) Cyclohexane	7.588	56	4982	0.77	ug/l #	1
36) 1,1-Dichloropropene	7.591	75	20939	4.65	ug/l #	48
37) Ethyl Acetate	6.754	43	24396	5.10	ug/l #	81
38) Carbon Tetrachloride	7.588	117	27101	6.28	ug/l #	18
41) Methacrylonitrile	7.124	41	579	0.27	ug/l #	100
48) Methyl methacrylate	9.109	41	1624	0.49	ug/l #	21
52) Toluene	10.096	92	324955	38.65	ug/l	98
53) t-1,3-Dichloropropene	10.093	75	3376	0.66	ug/l #	1
59) 2-Hexanone	10.654	43	50	19.56	ug/l #	23
65) Chlorobenzene	11.375	112	3893	0.46	ug/l	95
71) Bromoform	12.351	173	1183	0.51	ug/l #	1
76) 1,2,3-Trichloropropane	12.349	75	80169	18.80	ug/l #	100
81) trans-1,4-Dichloro-2-b...	12.349	75	80169	52.18	ug/l #	12
83) tert-Butylbenzene	13.204	119	3347	0.31	ug/l #	1
85) sec-Butylbenzene	13.207	105	5061	0.36	ug/l #	66
86) p-Isopropyltoluene	13.204	119	3347	0.28	ug/l #	1
95) Naphthalene	15.095	128	2223	0.25	ug/l #	71
96) 1,2,3-Trichlorobenzene	15.269	180	1835	0.54	ug/l #	74

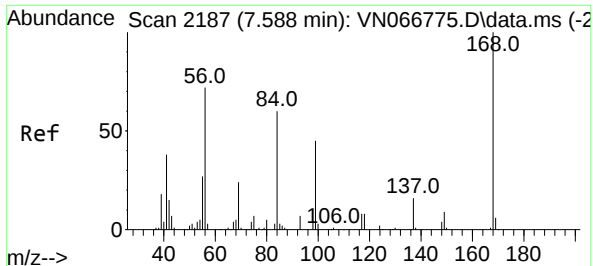
(#) = qualifier out of range (m) = manual integration (+) = signals summed

Data Path : Z:\voasrv\HPCHEM1\MSVOA_N\Data\VN042921\
Data File : VN066891.D
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Quant Title : SW846 8260
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Response via : Initial Calibration

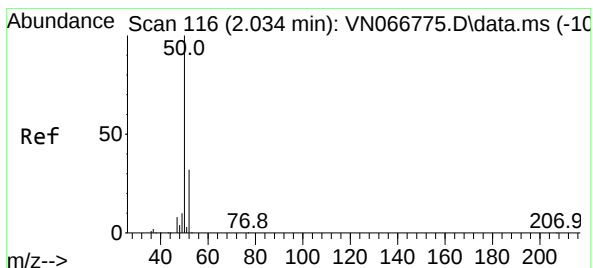
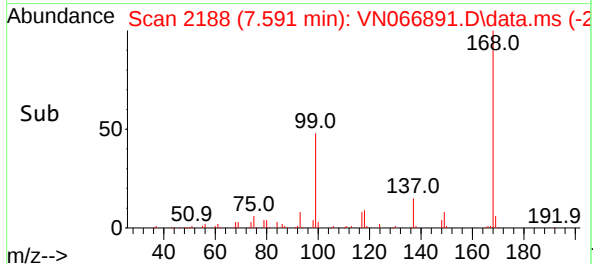
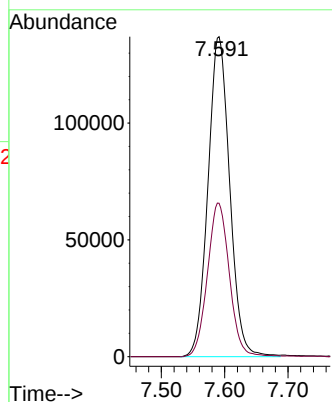
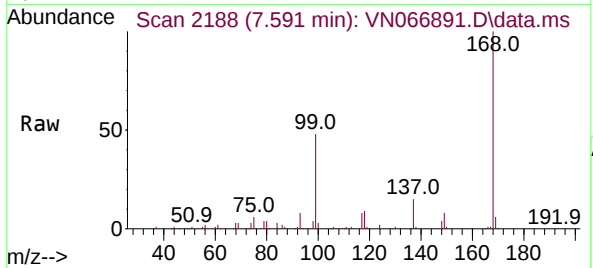




#1
Pentafluorobenzene
Concen: 50.00 ug/l
RT: 7.591 min Scan# 2188
Delta R.T. 0.003 min
Lab File: VN066891.D
Acq: 30 Apr 2021 3:41

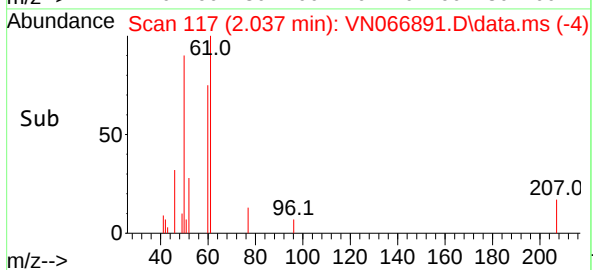
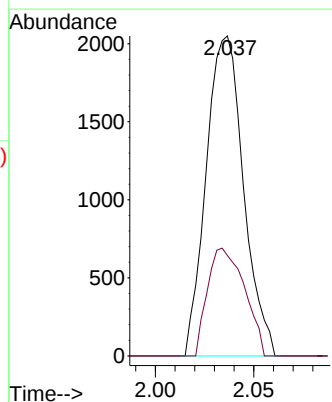
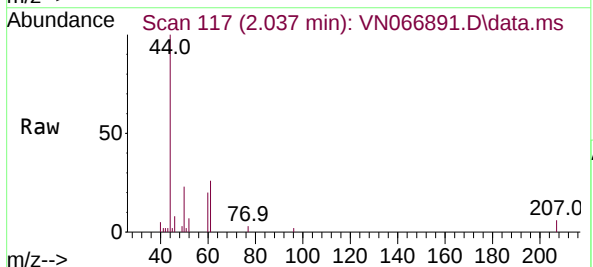
Instrument :
MSVOA_N
ClientSampled :

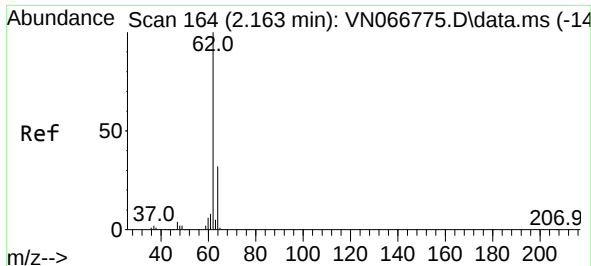
Tgt Ion:168 Resp: 326639
Ion Ratio Lower Upper
168 100
99 48.0 42.6 63.8



#3
Chloromethane
Concen: 0.58 ug/l
RT: 2.037 min Scan# 117
Delta R.T. 0.003 min
Lab File: VN066891.D
Acq: 30 Apr 2021 3:41

Tgt Ion: 50 Resp: 2703
Ion Ratio Lower Upper
50 100
52 31.4 25.8 38.8

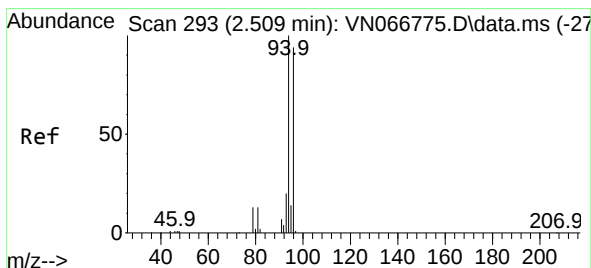
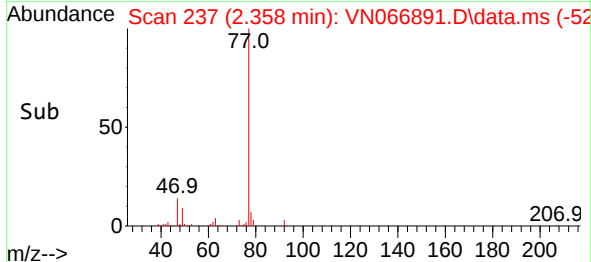
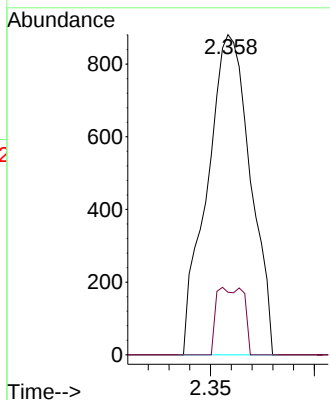
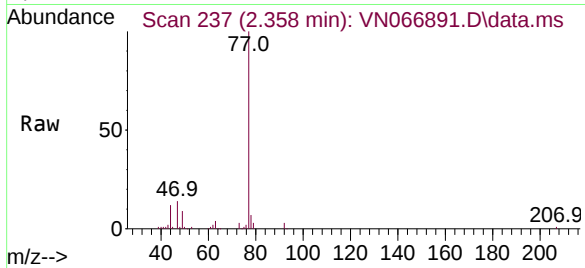




#4
 Vinyl Chloride
 Concen: 0.28 ug/l
 RT: 2.358 min Scan# 237
 Delta R.T. 0.195 min
 Lab File: VN066891.D
 Acq: 30 Apr 2021 3:41

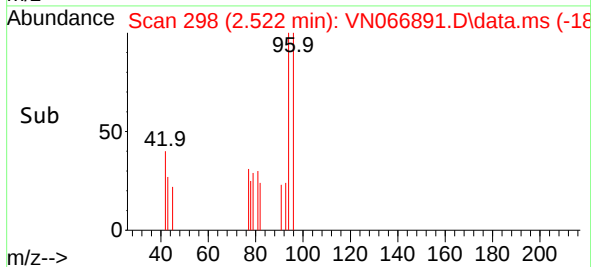
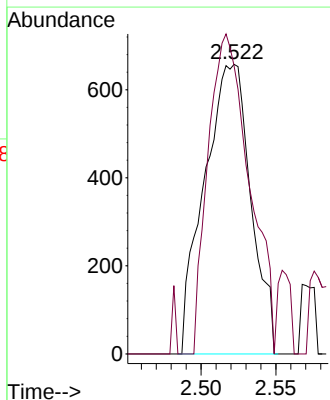
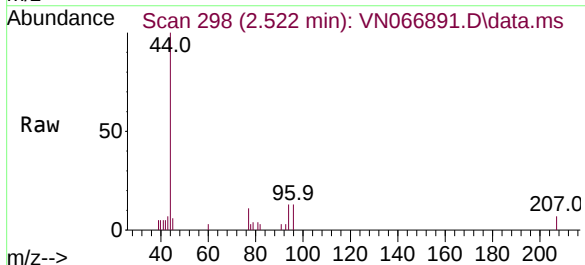
Instrument :
 MSVOA_N
 ClientSampled :

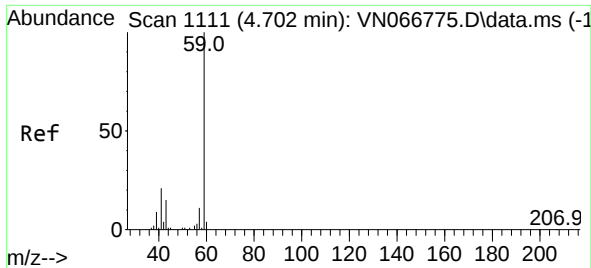
Tgt Ion: 62 Resp: 1278
 Ion Ratio Lower Upper
 62 100
 64 19.5 25.1 37.7#



#5
 Bromomethane
 Concen: 0.48 ug/l
 RT: 2.522 min Scan# 298
 Delta R.T. 0.013 min
 Lab File: VN066891.D
 Acq: 30 Apr 2021 3:41

Tgt Ion: 94 Resp: 1426
 Ion Ratio Lower Upper
 94 100
 96 99.5 73.0 109.4

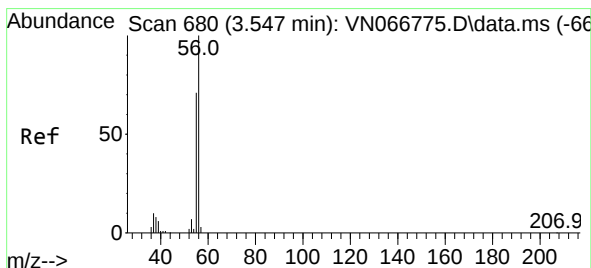
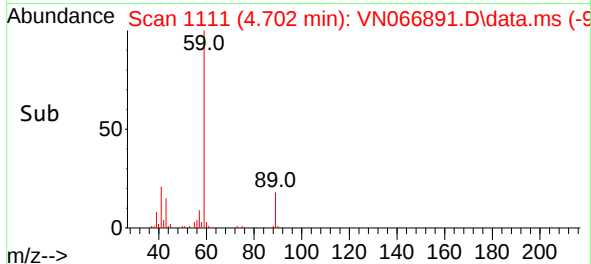
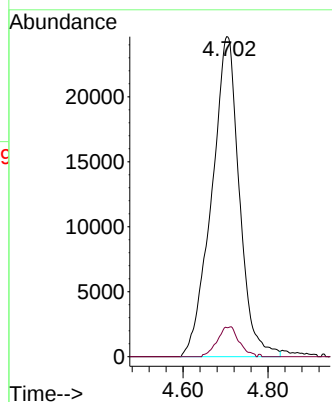
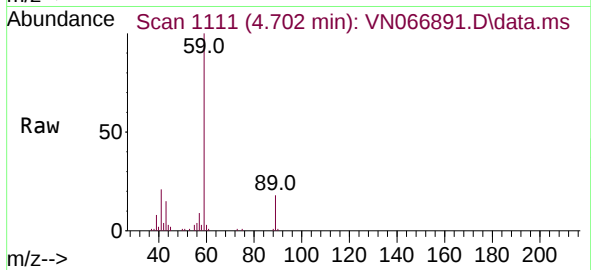




#11
Tert butyl alcohol
Concen: 172.22 ug/l
RT: 4.702 min Scan# 1111
Delta R.T. 0.000 min
Lab File: VN066891.D
Acq: 30 Apr 2021 3:41

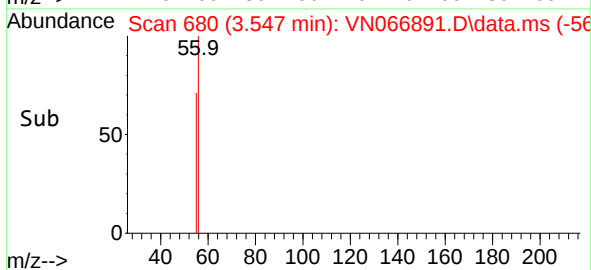
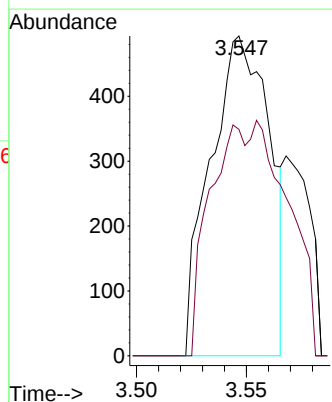
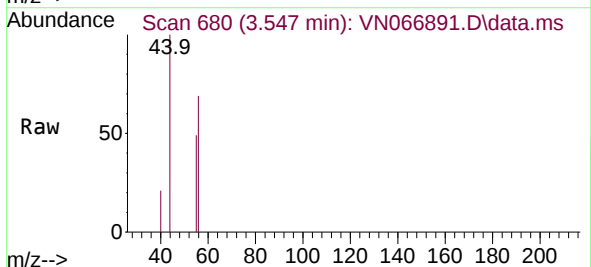
Instrument :
MSVOA_N
ClientSampled :

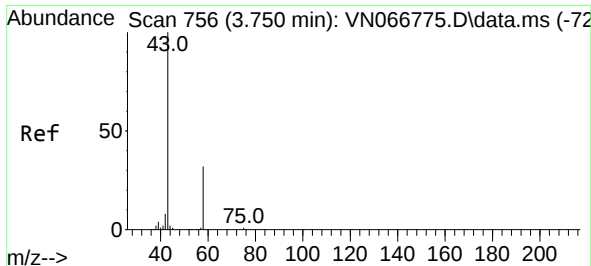
Tgt Ion: 59 Resp: 111455
Ion Ratio Lower Upper
59 100
57 3.7 8.0 12.0#



#13
Acrolein
Concen: 1.70 ug/l
RT: 3.547 min Scan# 680
Delta R.T. -0.000 min
Lab File: VN066891.D
Acq: 30 Apr 2021 3:41

Tgt Ion: 56 Resp: 920
Ion Ratio Lower Upper
56 100
55 44.6 56.0 84.0#

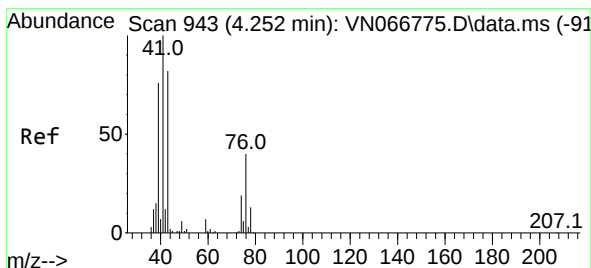
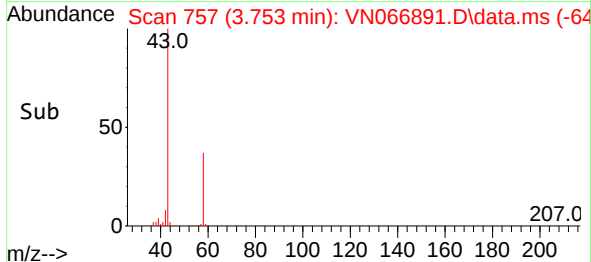
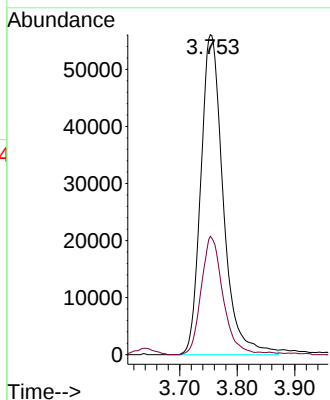
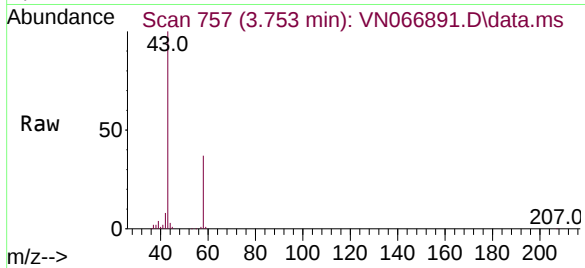




#16
Acetone
Concen: 95.92 ug/l
RT: 3.753 min Scan# 757
Delta R.T. 0.003 min
Lab File: VN066891.D
Acq: 30 Apr 2021 3:41

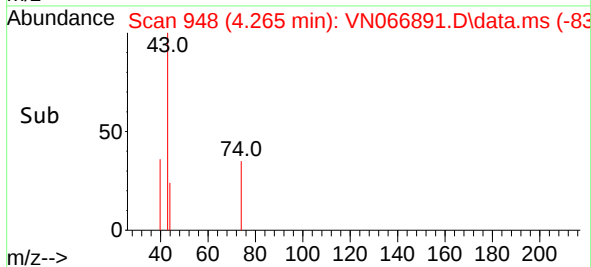
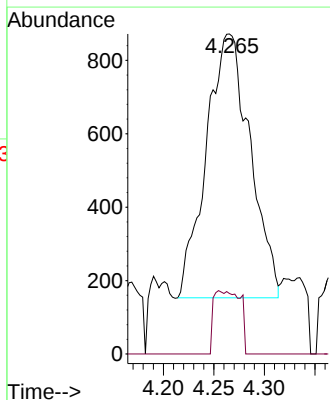
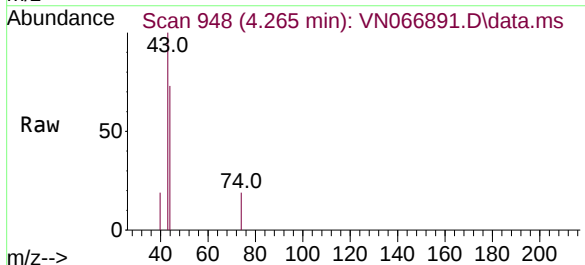
Instrument :
MSVOA_N
ClientSampled :

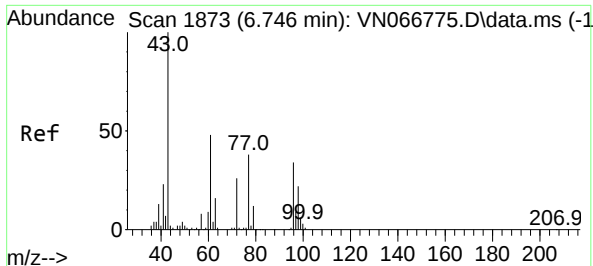
Tgt Ion: 43 Resp: 151876
Ion Ratio Lower Upper
43 100
58 37.0 27.0 40.6



#18
Methyl Acetate
Concen: 1.61 ug/l
RT: 4.265 min Scan# 948
Delta R.T. 0.013 min
Lab File: VN066891.D
Acq: 30 Apr 2021 3:41

Tgt Ion: 43 Resp: 2176
Ion Ratio Lower Upper
43 100
74 14.4 19.5 29.3#

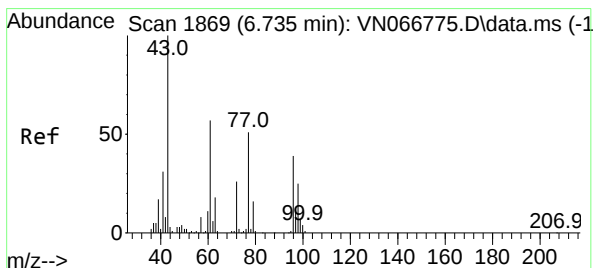
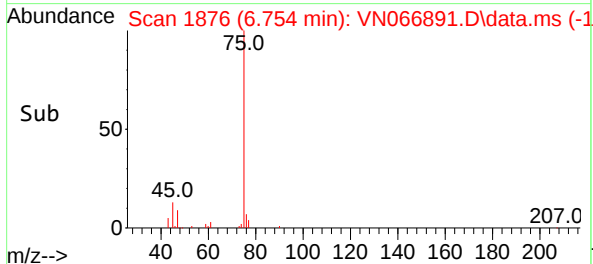
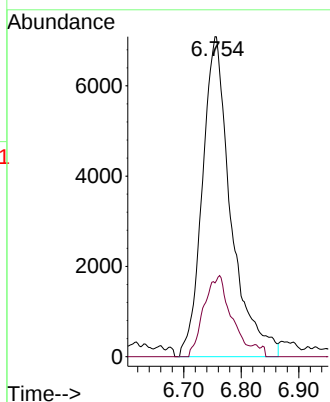
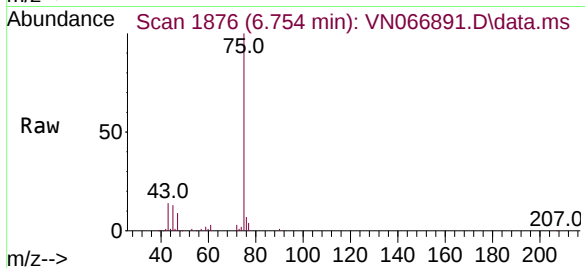




#25
2-Butanone
Concen: 10.96 ug/l
RT: 6.754 min Scan# 1876
Delta R.T. 0.008 min
Lab File: VN066891.D
Acq: 30 Apr 2021 3:41

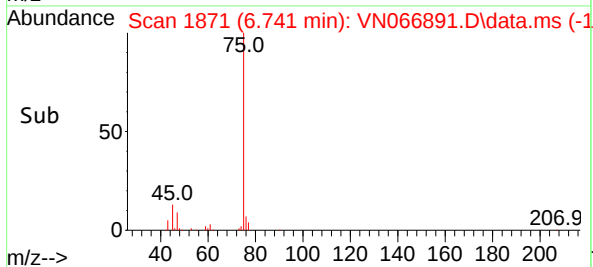
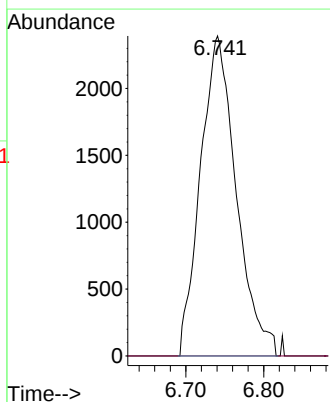
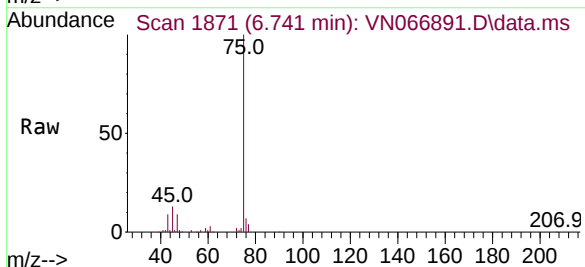
Instrument :
MSVOA_N
ClientSampled :

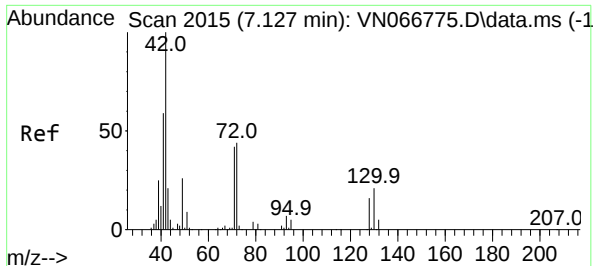
Tgt Ion: 43 Resp: 24396
Ion Ratio Lower Upper
43 100
72 23.0 23.1 34.7#



#26
2,2-Dichloropropane
Concen: 1.33 ug/l
RT: 6.741 min Scan# 1871
Delta R.T. 0.006 min
Lab File: VN066891.D
Acq: 30 Apr 2021 3:41

Tgt Ion: 77 Resp: 7651
Ion Ratio Lower Upper
77 100
97 0.0 11.9 35.9#

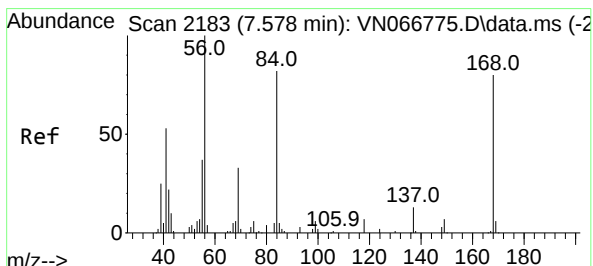
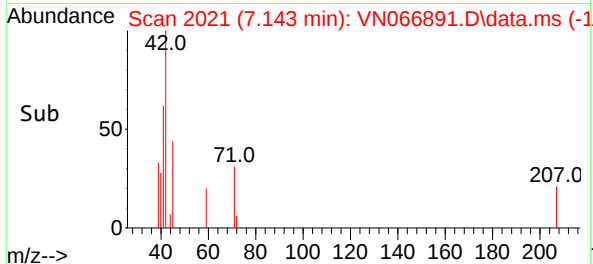
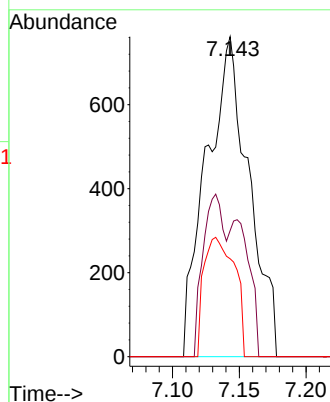
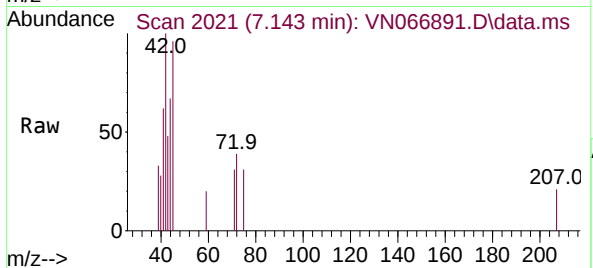




#29
Tetrahydrofuran
Concen: 1.11 ug/l
RT: 7.143 min Scan# 2021
Delta R.T. 0.016 min
Lab File: VN066891.D
Acq: 30 Apr 2021 3:41

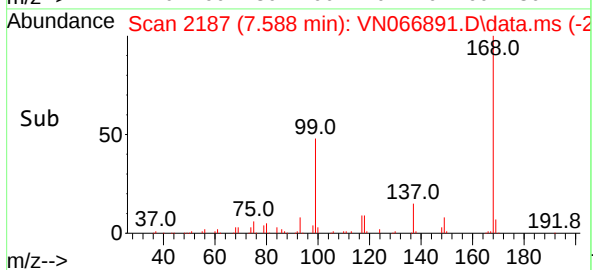
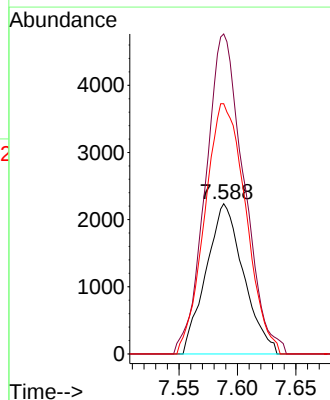
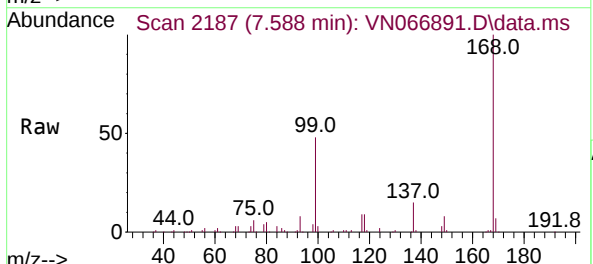
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MSVOA_N
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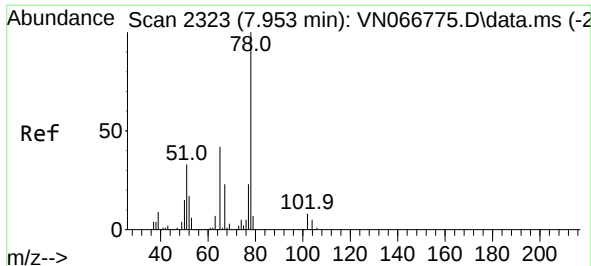
Tgt Ion: 42 Resp: 1684
Ion Ratio Lower Upper
42 100
72 26.0 36.6 55.0#
71 27.1 34.3 51.5#



#31
Cyclohexane
Concen: 0.77 ug/l
RT: 7.588 min Scan# 2187
Delta R.T. 0.010 min
Lab File: VN066891.D
Acq: 30 Apr 2021 3:41

Tgt Ion: 56 Resp: 4982
Ion Ratio Lower Upper
56 100
69 204.5 26.6 39.8#
84 166.6 70.4 105.6#

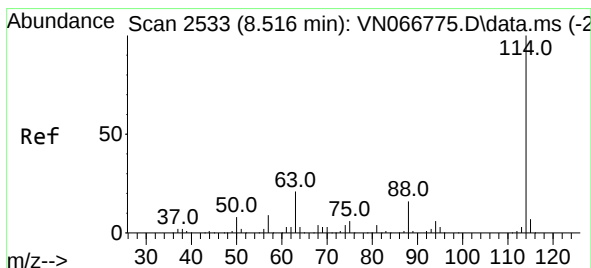
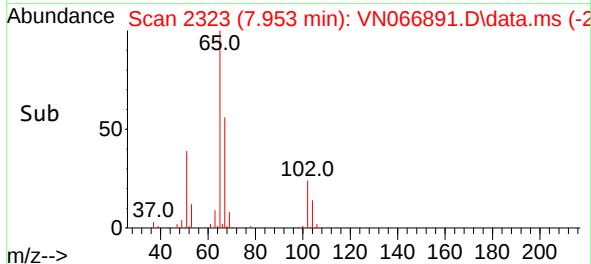
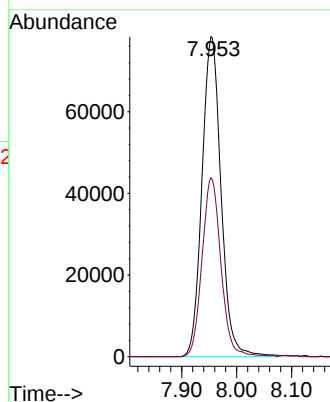
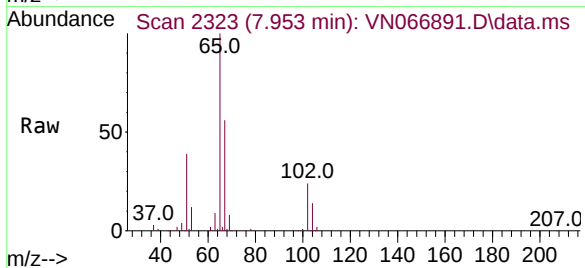




#33
 1,2-Dichloroethane-d4
 Concen: 44.99 ug/l
 RT: 7.953 min Scan# 2323
 Delta R.T. 0.000 min
 Lab File: VN066891.D
 Acq: 30 Apr 2021 3:41

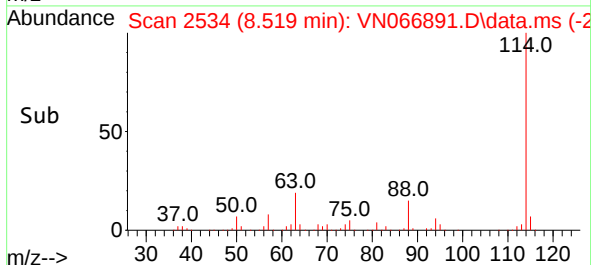
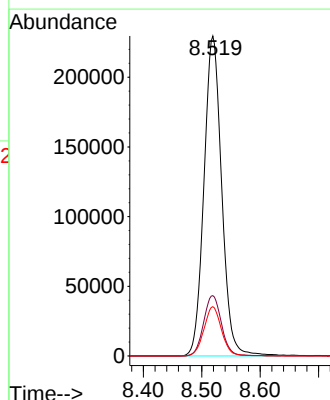
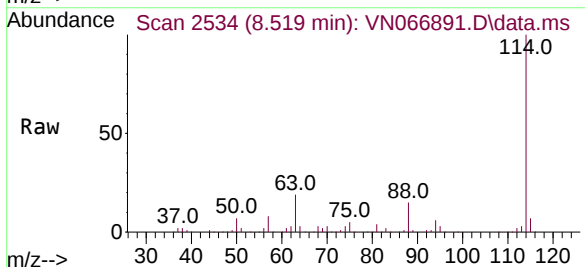
Instrument :
 MSVOA_N
 ClientSampled :

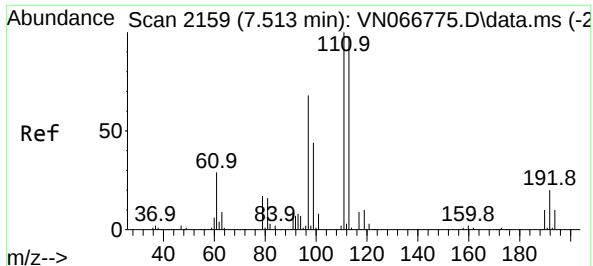
Tgt Ion: 65 Resp: 188822
 Ion Ratio Lower Upper
 65 100
 67 55.3 0.0 107.2



#34
 1,4-Difluorobenzene
 Concen: 50.00 ug/l
 RT: 8.519 min Scan# 2534
 Delta R.T. 0.003 min
 Lab File: VN066891.D
 Acq: 30 Apr 2021 3:41

Tgt Ion: 114 Resp: 484621
 Ion Ratio Lower Upper
 114 100
 63 18.9 0.0 38.6
 88 15.4 0.0 30.6

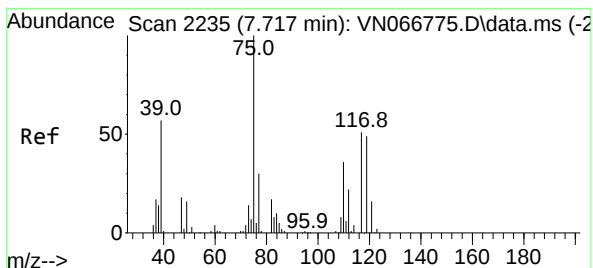
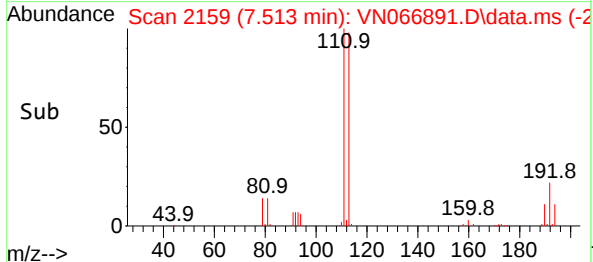
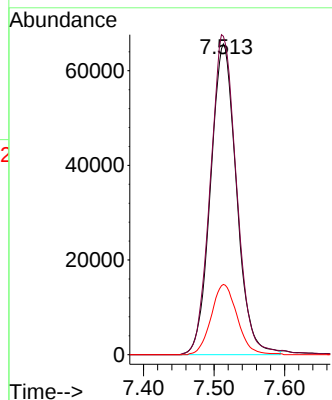
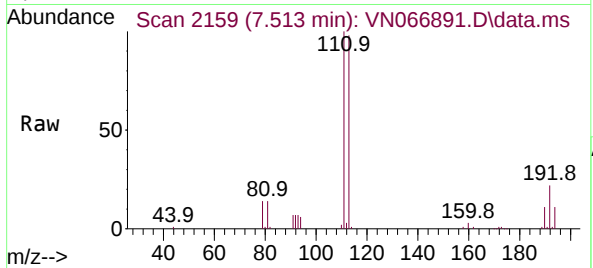




#35
Dibromofluoromethane
Concen: 56.00 ug/l
RT: 7.513 min Scan# 2159
Delta R.T. 0.000 min
Lab File: VN066891.D
Acq: 30 Apr 2021 3:41

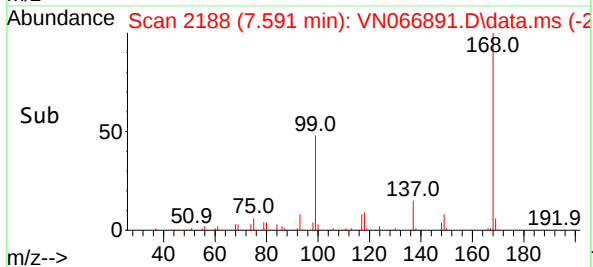
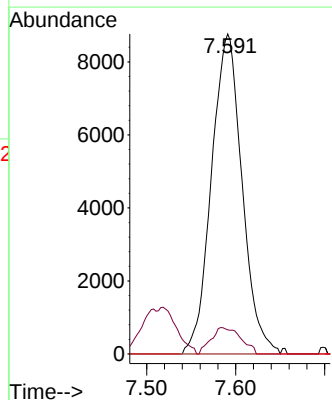
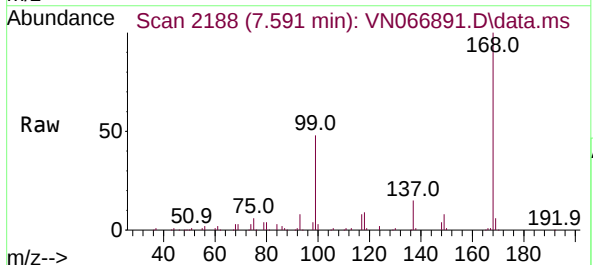
Instrument :
MSVOA_N
ClientSampleId :

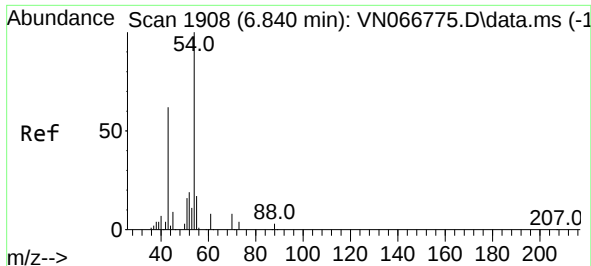
Tgt Ion:113 Resp: 167512
Ion Ratio Lower Upper
113 100
111 104.2 82.2 123.2
192 22.8 15.4 23.0



#36
1,1-Dichloropropene
Concen: 4.65 ug/l
RT: 7.591 min Scan# 2188
Delta R.T. -0.126 min
Lab File: VN066891.D
Acq: 30 Apr 2021 3:41

Tgt Ion: 75 Resp: 20939
Ion Ratio Lower Upper
75 100
110 8.0 18.2 54.6#
77 0.0 24.9 37.3#





#37

Ethyl Acetate

Concen: 5.10 ug/l

RT: 6.754 min Scan# 1876

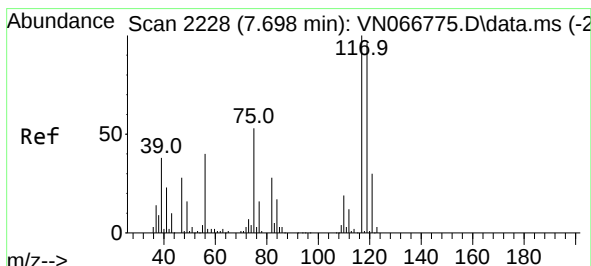
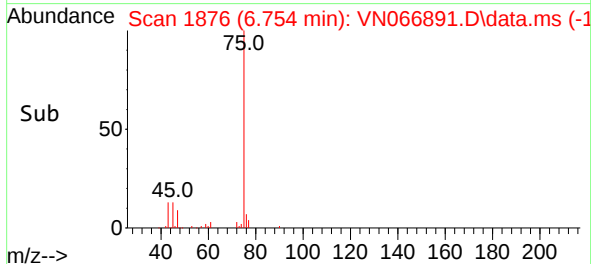
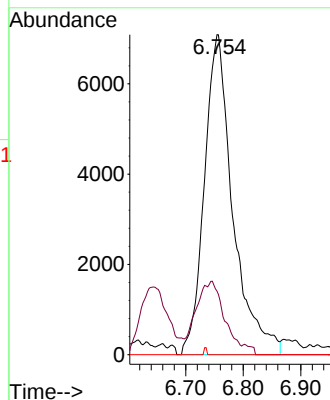
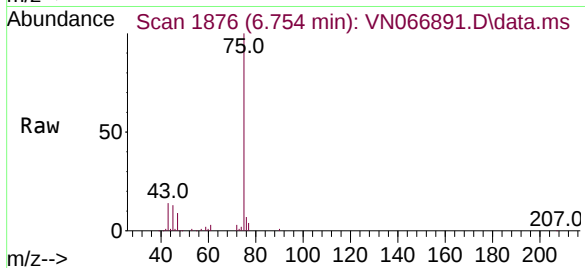
Delta R.T. -0.086 min

Lab File: VN066891.D

Acq: 30 Apr 2021 3:41

Instrument :
MSVOA_N
ClientSampled :

Tgt Ion:	43	Resp:	24396
Ion	Ratio	Lower	Upper
43	100		
61	19.2	11.6	17.4#
70	0.0	8.6	13.0#



#38

Carbon Tetrachloride

Concen: 6.28 ug/l

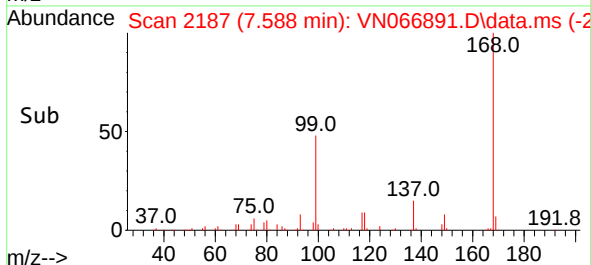
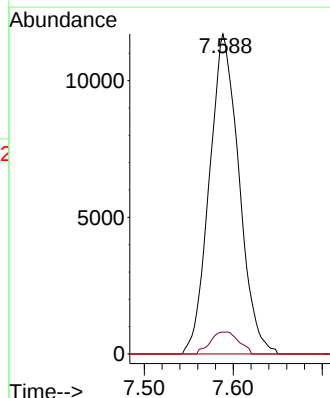
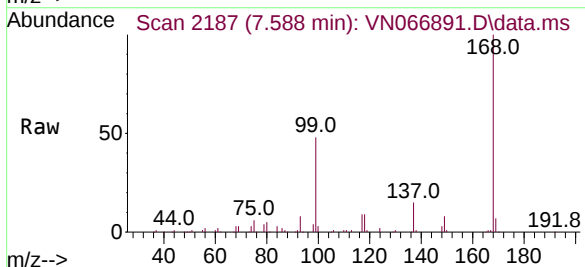
RT: 7.588 min Scan# 2187

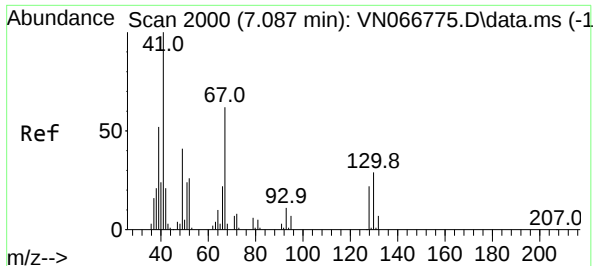
Delta R.T. -0.110 min

Lab File: VN066891.D

Acq: 30 Apr 2021 3:41

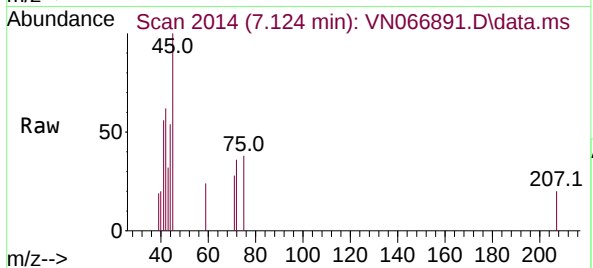
Tgt Ion:	117	Resp:	27101
Ion	Ratio	Lower	Upper
117	100		
119	6.9	76.0	114.0#
121	0.0	24.5	36.7#



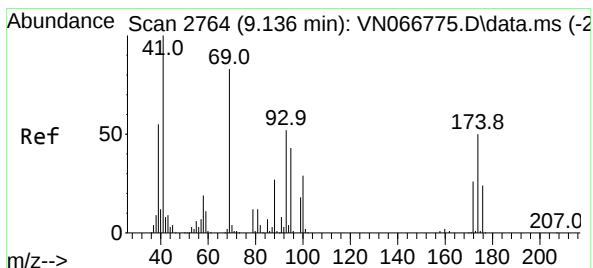
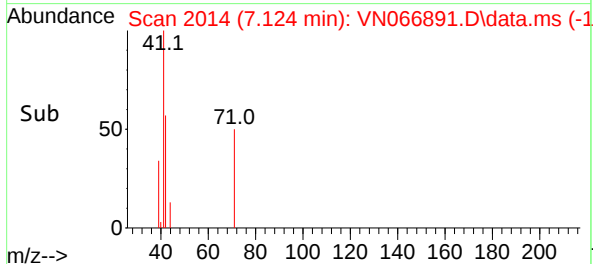
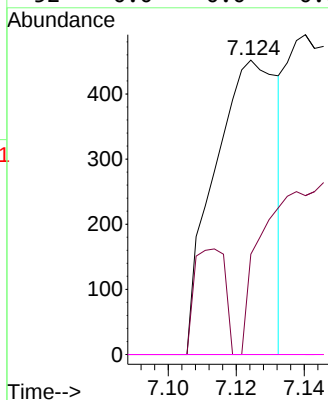


#41
Methacrylonitrile
Concen: 0.27 ug/l
RT: 7.124 min Scan# 2014
Delta R.T. 0.037 min
Lab File: VN066891.D
Acq: 30 Apr 2021 3:41

Instrument :
MSVOA_N
ClientSampled :

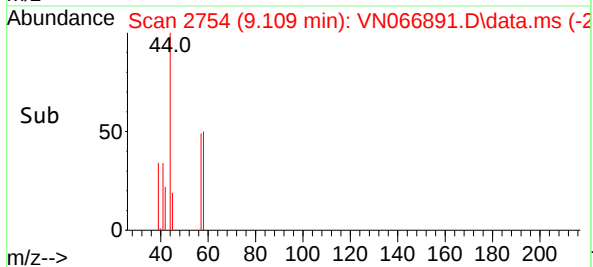
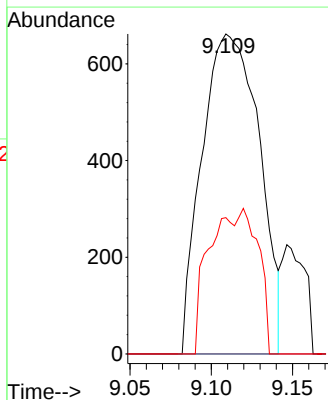
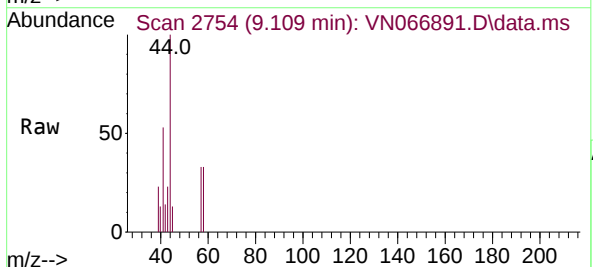


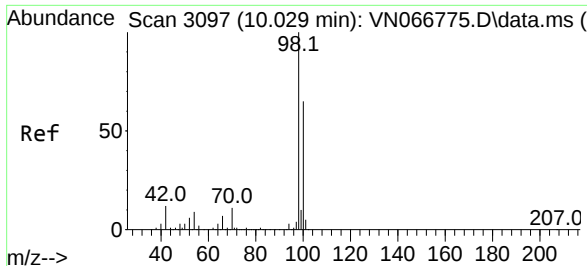
Tgt Ion	Ratio	Lower	Upper
41	100		
39	17.4	0.0	0.0#
67	0.0	0.0	0.0
52	0.0	0.0	0.0



#48
Methyl methacrylate
Concen: 0.49 ug/l
RT: 9.109 min Scan# 2754
Delta R.T. -0.027 min
Lab File: VN066891.D
Acq: 30 Apr 2021 3:41

Tgt Ion	Ratio	Lower	Upper
41	100		
69	0.0	75.9	113.9#
39	21.5	46.6	69.8#

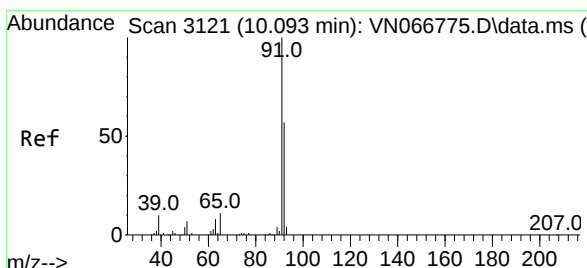
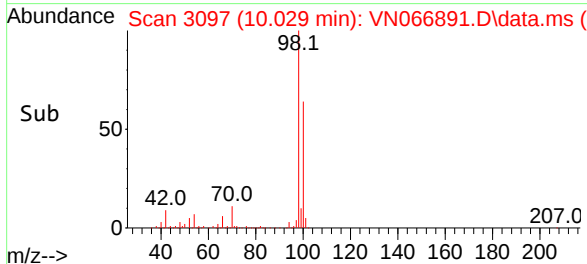
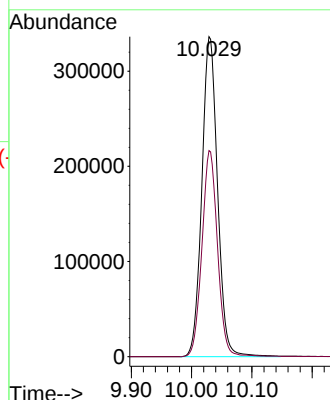
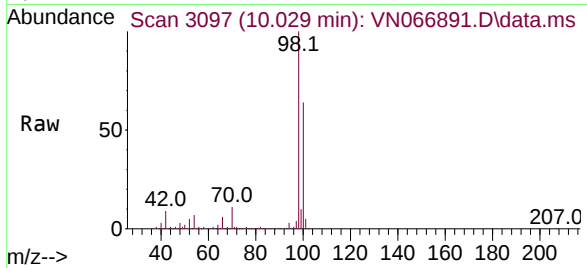




#50
Toluene-d8
Concen: 51.86 ug/l
RT: 10.029 min Scan# 3097
Delta R.T. -0.000 min
Lab File: VN066891.D
Acq: 30 Apr 2021 3:41

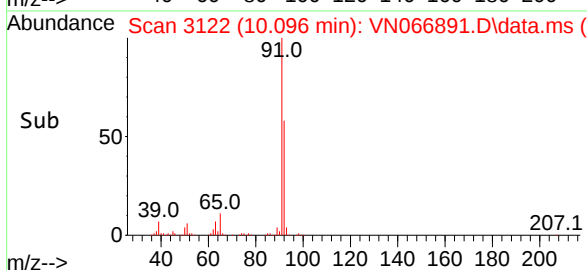
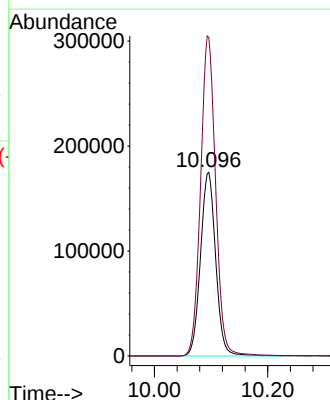
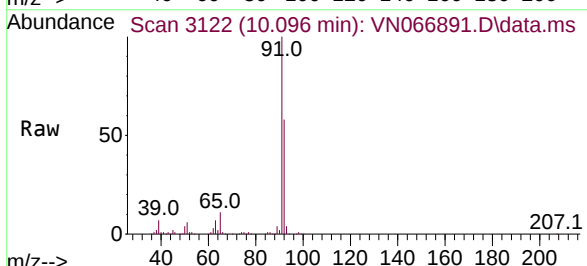
Instrument :
MSVOA_N
ClientSampled :

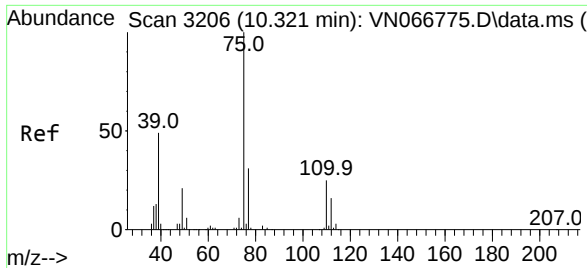
Tgt Ion: 98 Resp: 608995
Ion Ratio Lower Upper
98 100
100 64.0 50.5 75.7



#52
Toluene
Concen: 38.65 ug/l
RT: 10.096 min Scan# 3122
Delta R.T. 0.003 min
Lab File: VN066891.D
Acq: 30 Apr 2021 3:41

Tgt Ion: 92 Resp: 324955
Ion Ratio Lower Upper
92 100
91 173.0 140.7 211.1

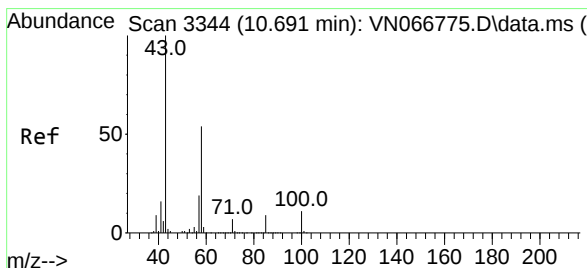
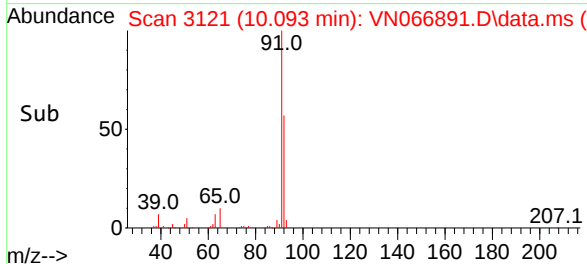
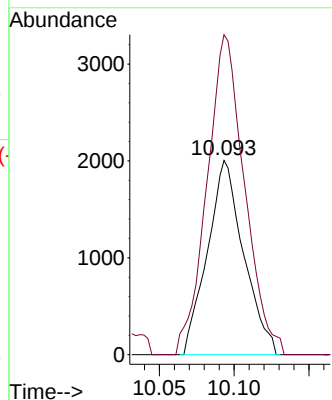
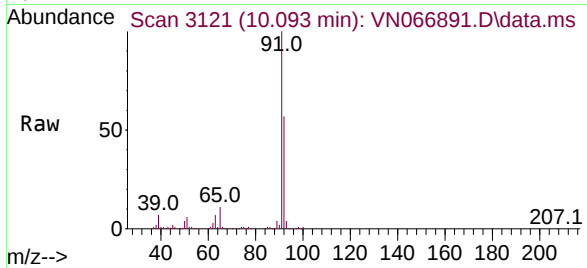




#53
t-1,3-Dichloropropene
Concen: 0.66 ug/l
RT: 10.093 min Scan# 3121
Delta R.T. -0.228 min
Lab File: VN066891.D
Acq: 30 Apr 2021 3:41

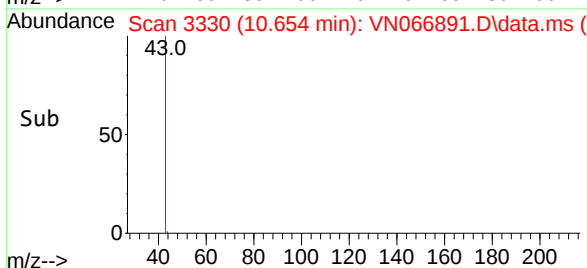
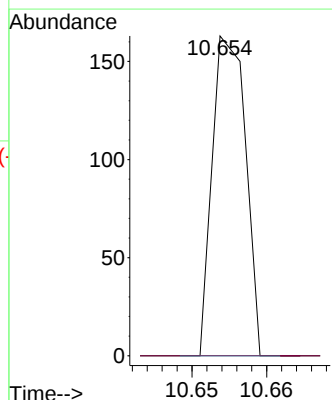
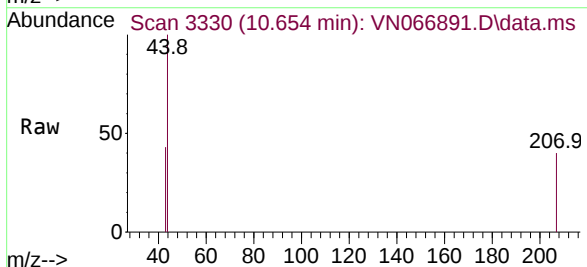
Instrument :
MSVOA_N
ClientSampled :

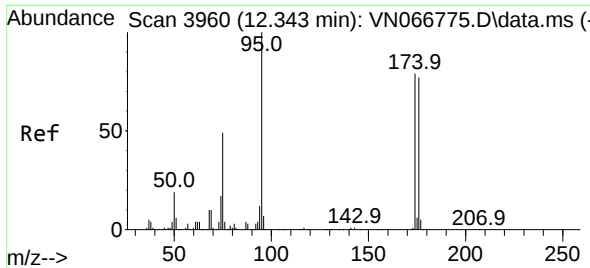
Tgt Ion: 75 Resp: 3376
Ion Ratio Lower Upper
75 100
77 156.4 26.2 39.4#



#59
2-Hexanone
Concen: 19.56 ug/l
RT: 10.654 min Scan# 3330
Delta R.T. -0.037 min
Lab File: VN066891.D
Acq: 30 Apr 2021 3:41

Tgt Ion: 43 Resp: 50
Ion Ratio Lower Upper
43 100
58 0.0 28.1 84.3#

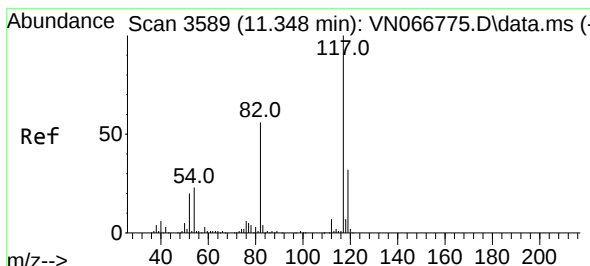
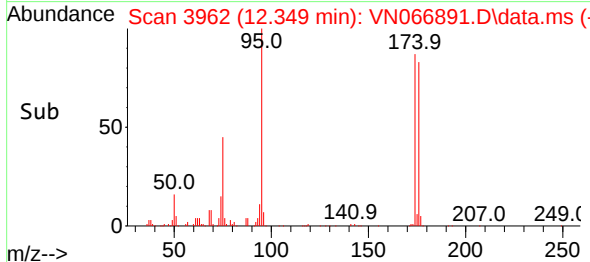
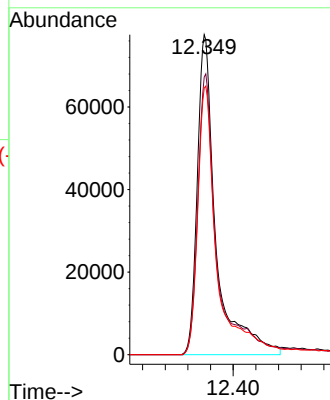
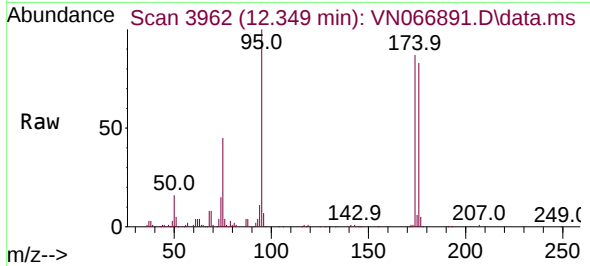




#62
4-Bromofluorobenzene
Concen: 44.90 ug/l
RT: 12.349 min Scan# 3962
Delta R.T. 0.006 min
Lab File: VN066891.D
Acq: 30 Apr 2021 3:41

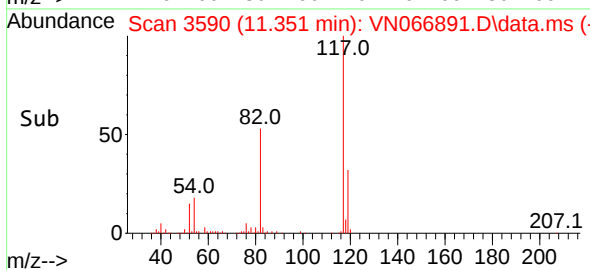
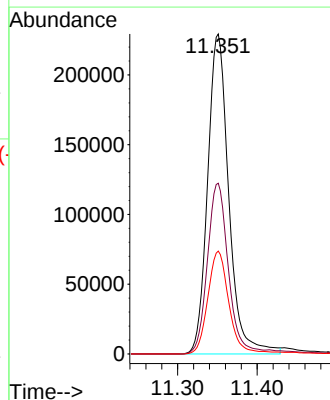
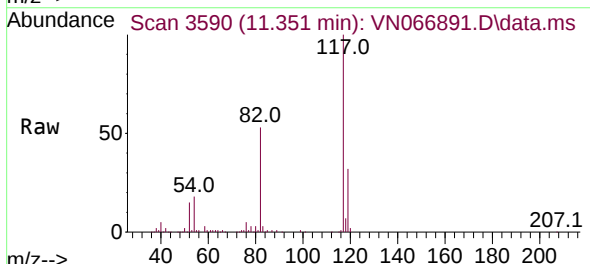
Instrument :
MSVOA_N
ClientSampleId :

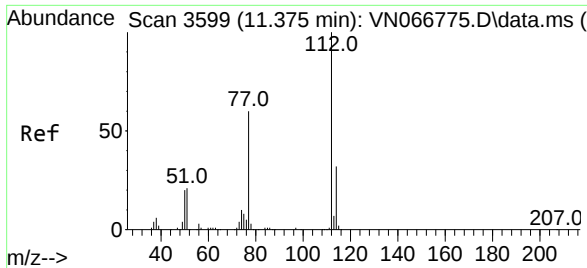
Tgt Ion: 95 Resp: 178373
Ion Ratio Lower Upper
95 100
174 89.5 0.0 169.0
176 85.4 0.0 162.4



#63
Chlorobenzene-d5
Concen: 50.00 ug/l
RT: 11.351 min Scan# 3590
Delta R.T. 0.003 min
Lab File: VN066891.D
Acq: 30 Apr 2021 3:41

Tgt Ion: 117 Resp: 424572
Ion Ratio Lower Upper
117 100
82 53.4 43.7 65.5
119 32.1 26.1 39.1

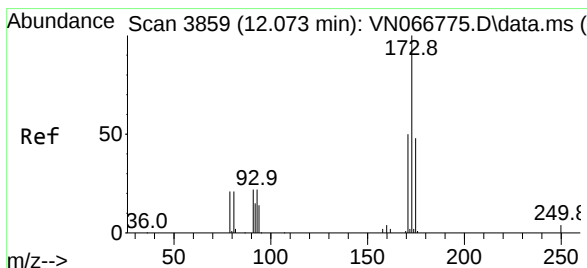
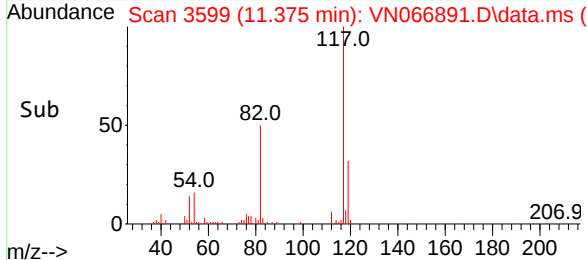
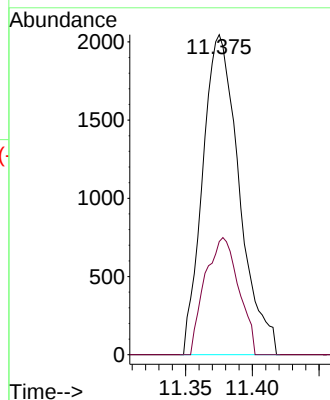
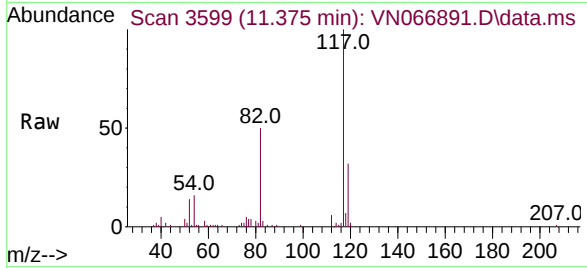




#65
Chlorobenzene
Concen: 0.46 ug/l
RT: 11.375 min Scan# 3599
Delta R.T. 0.000 min
Lab File: VN066891.D
Acq: 30 Apr 2021 3:41

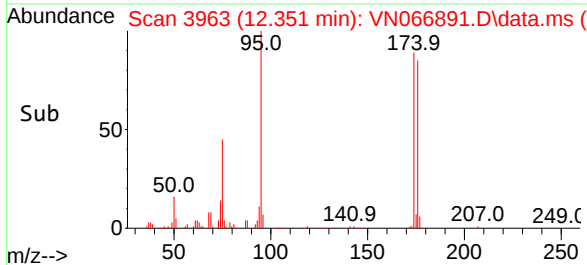
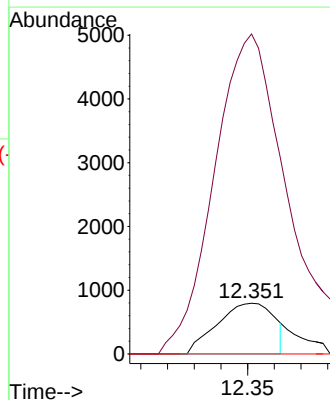
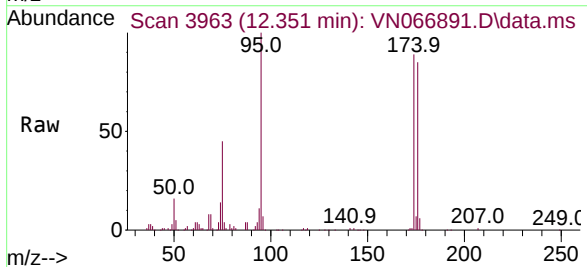
Instrument :
MSVOA_N
ClientSampled :

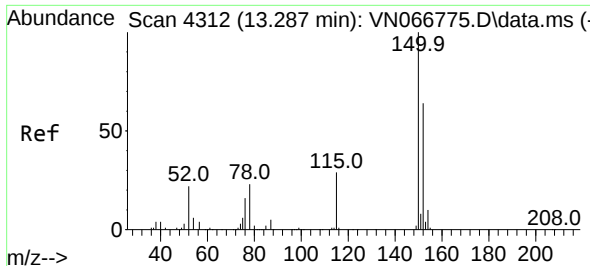
Tgt Ion:112 Resp: 3893
Ion Ratio Lower Upper
112 100
114 35.4 26.1 39.1



#71
Bromoform
Concen: 0.51 ug/l
RT: 12.351 min Scan# 3963
Delta R.T. 0.278 min
Lab File: VN066891.D
Acq: 30 Apr 2021 3:41

Tgt Ion:173 Resp: 1183
Ion Ratio Lower Upper
173 100
175 649.8 23.8 71.2#
254 0.0 0.0 0.0

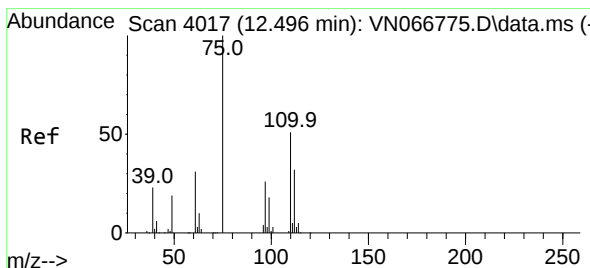
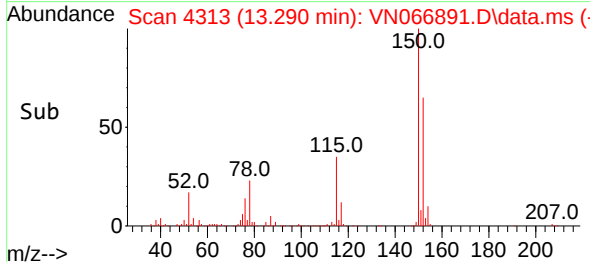
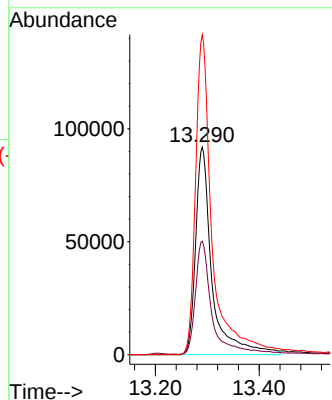
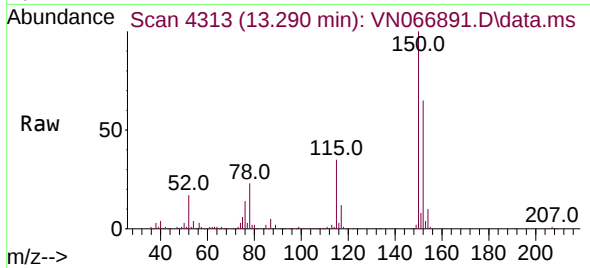




#72
 1,4-Dichlorobenzene-d4
 Concen: 50.00 ug/l
 RT: 13.290 min Scan# 4313
 Delta R.T. 0.003 min
 Lab File: VN066891.D
 Acq: 30 Apr 2021 3:41

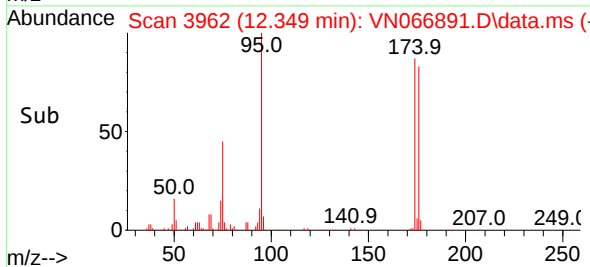
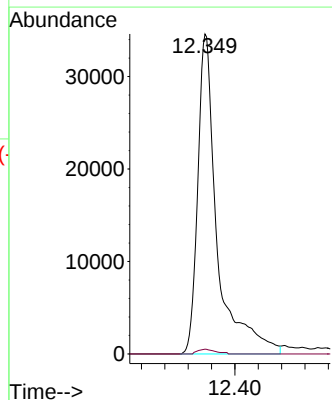
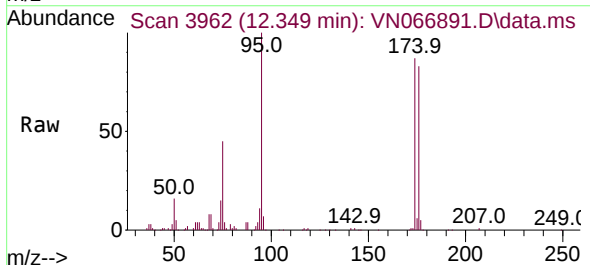
Instrument :
 MSVOA_N
 ClientSampled :

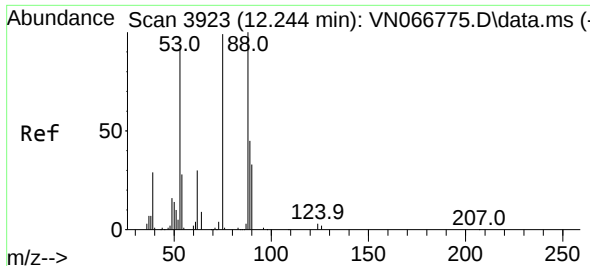
Tgt Ion:152 Resp: 202309
 Ion Ratio Lower Upper
 152 100
 115 52.7 28.5 85.6
 150 158.0 0.0 347.6



#76
 1,2,3-Trichloropropane
 Concen: 18.80 ug/l
 RT: 12.349 min Scan# 3962
 Delta R.T. -0.147 min
 Lab File: VN066891.D
 Acq: 30 Apr 2021 3:41

Tgt Ion: 75 Resp: 80169
 Ion Ratio Lower Upper
 75 100
 77 1.3 0.0 0.0#

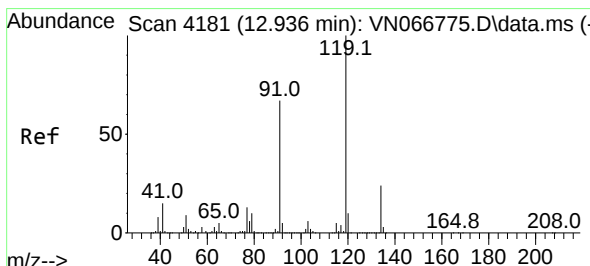
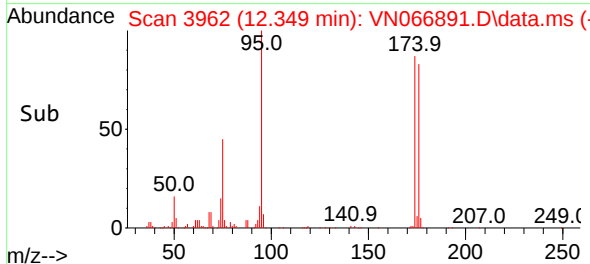
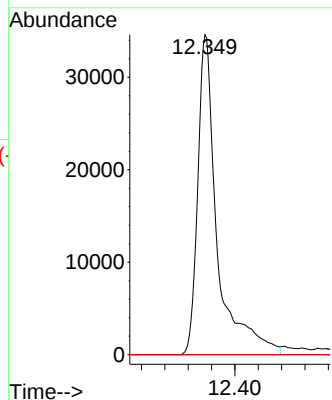
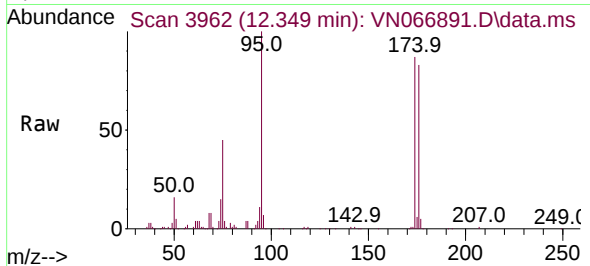




#81
trans-1,4-Dichloro-2-butene
Concen: 52.18 ug/l
RT: 12.349 min Scan# 3962
Delta R.T. 0.105 min
Lab File: VN066891.D
Acq: 30 Apr 2021 3:41

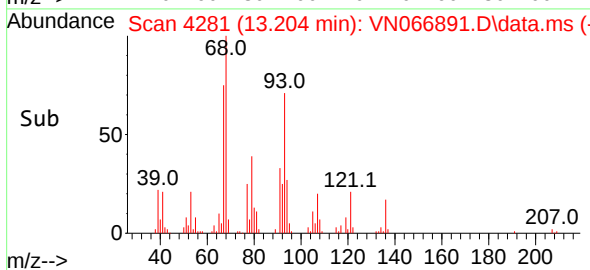
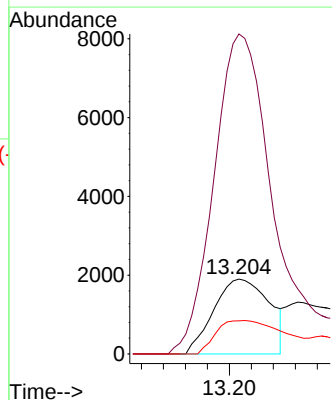
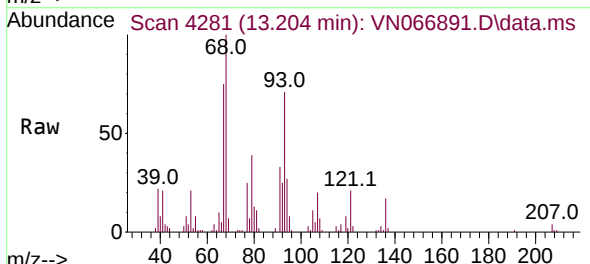
Instrument :
MSVOA_N
ClientSampled :

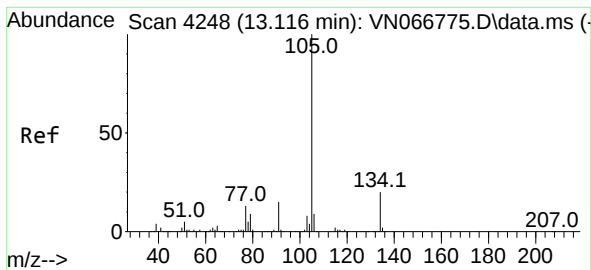
Tgt Ion: 75 Resp: 80169
Ion Ratio Lower Upper
75 100
53 0.0 74.6 111.8#
89 0.0 35.8 53.8#



#83
tert-Butylbenzene
Concen: 0.31 ug/l
RT: 13.204 min Scan# 4281
Delta R.T. 0.268 min
Lab File: VN066891.D
Acq: 30 Apr 2021 3:41

Tgt Ion: 119 Resp: 3347
Ion Ratio Lower Upper
119 100
91 408.3 33.0 98.9#
134 47.4 12.7 38.1#

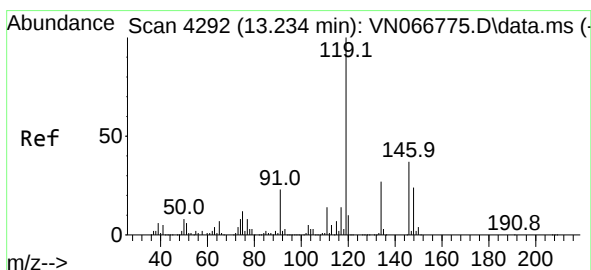
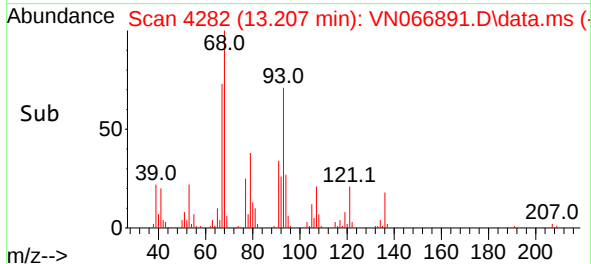
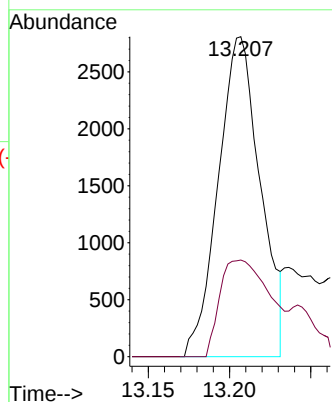
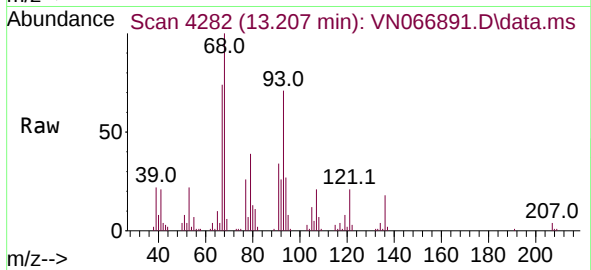




#85
 sec-Butylbenzene
 Concen: 0.36 ug/l
 RT: 13.207 min Scan# 4282
 Delta R.T. 0.091 min
 Lab File: VN066891.D
 Acq: 30 Apr 2021 3:41

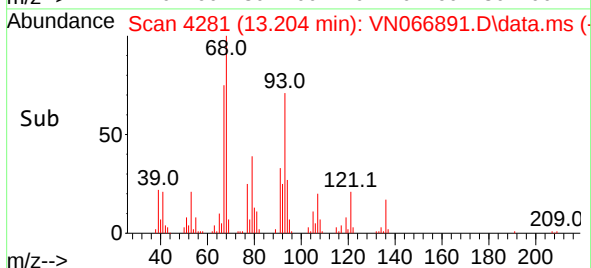
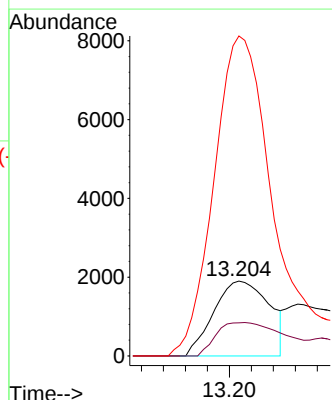
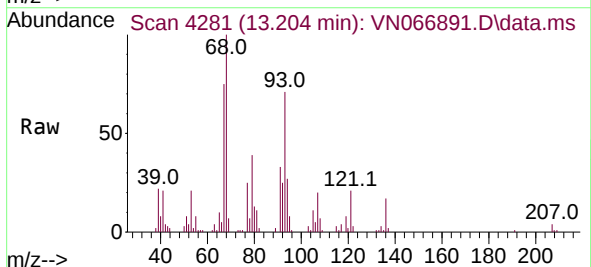
Instrument :
 MSVOA_N
 ClientSampled :

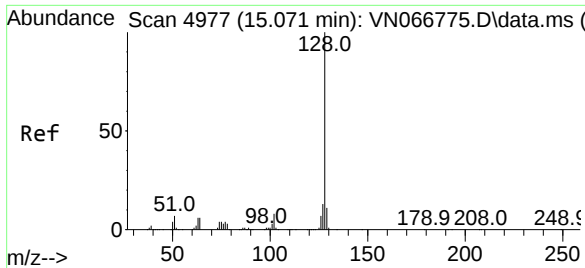
Tgt Ion:105 Resp: 5061
 Ion Ratio Lower Upper
 105 100
 134 35.6 10.0 30.0#



#86
 p-Isopropyltoluene
 Concen: 0.28 ug/l
 RT: 13.204 min Scan# 4281
 Delta R.T. -0.030 min
 Lab File: VN066891.D
 Acq: 30 Apr 2021 3:41

Tgt Ion:119 Resp: 3347
 Ion Ratio Lower Upper
 119 100
 134 53.8 13.3 39.8#
 91 486.6 11.8 35.3#

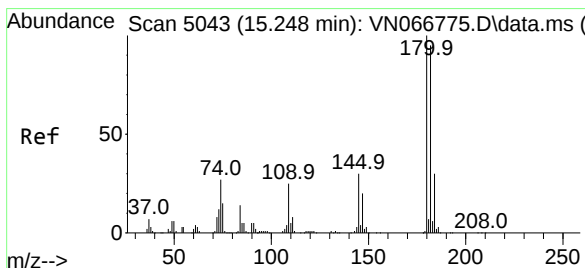
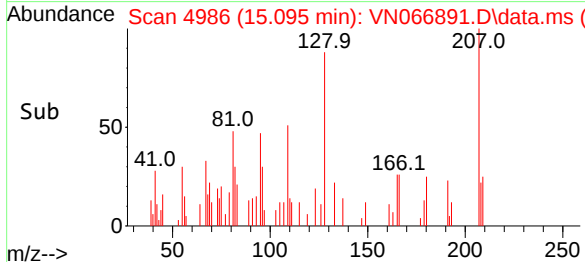
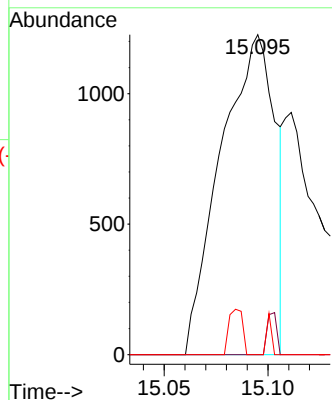
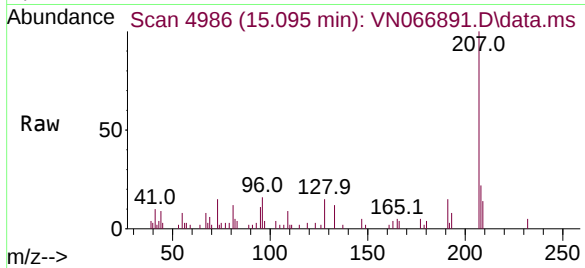




#95
Naphthalene
Concen: 0.25 ug/l
RT: 15.095 min Scan# 4986
Delta R.T. 0.024 min
Lab File: VN066891.D
Acq: 30 Apr 2021 3:41

Instrument :
MSVOA_N
ClientSampled :

Tgt Ion:128 Resp: 2223
Ion Ratio Lower Upper
128 100
127 0.0 10.2 15.2#
129 1.1 8.6 13.0#



#96
1,2,3-Trichlorobenzene
Concen: 0.54 ug/l
RT: 15.269 min Scan# 5051
Delta R.T. 0.021 min
Lab File: VN066891.D
Acq: 30 Apr 2021 3:41

Tgt Ion:180 Resp: 1835
Ion Ratio Lower Upper
180 100
182 108.6 47.4 142.3
145 0.0 16.5 49.5#

