

Data Path : Z:\voasrv\HPCHEM1\MSVOA_N\Data\VN042821\
 Data File : VN066820.D
 Acq On : 28 Apr 2021 18:15
 Operator : JC/MD
 Sample : PB136019ZHE#02
 Misc : 5.00mL/MSVOA_N/WATER
 ALS Vial : 22 Sample Multiplier: 1

Instrument :
 MSVOA_N
 ClientSampleId :

Quant Time: Apr 29 04:31:24 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

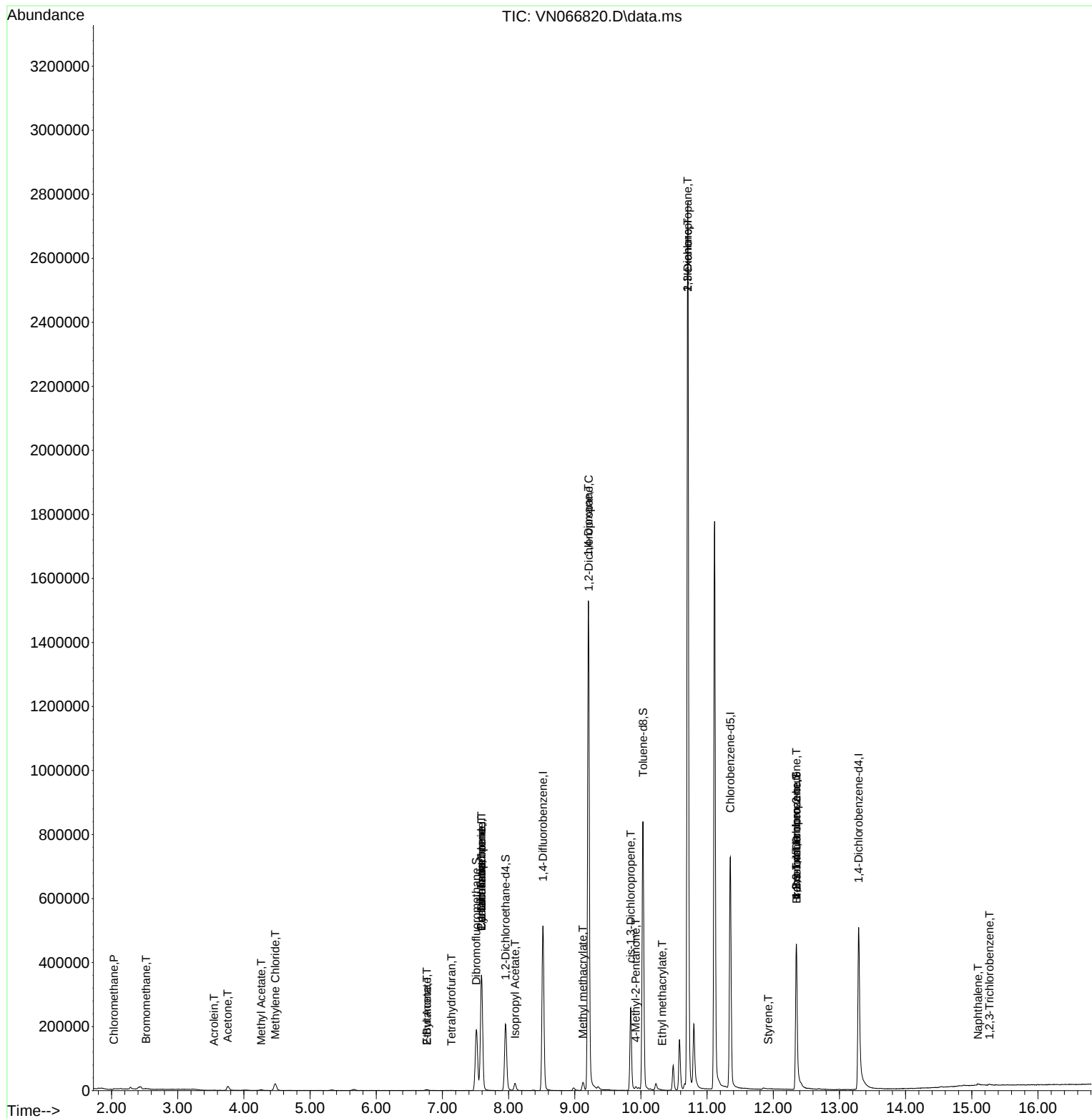
Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
Internal Standards						
1) Pentafluorobenzene	7.591	168	327205	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	8.519	114	493874	50.00	ug/l	0.00
63) Chlorobenzene-d5	11.351	117	462007	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.290	152	193669	50.00	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	7.953	65	176935	42.09	ug/l	0.00
Spiked Amount	50.000	Range	61 - 141	Recovery	=	84.18%
35) Dibromofluoromethane	7.513	113	154286	50.61	ug/l	0.00
Spiked Amount	50.000	Range	69 - 133	Recovery	=	101.22%
50) Toluene-d8	10.032	98	611257	51.08	ug/l	0.00
Spiked Amount	50.000	Range	65 - 126	Recovery	=	102.16%
62) 4-Bromofluorobenzene	12.349	95	199891	49.37	ug/l	0.00
Spiked Amount	50.000	Range	58 - 135	Recovery	=	98.74%
Target Compounds						
					Qvalue	
3) Chloromethane	2.037	50	1213	0.26	ug/l #	85
5) Bromomethane	2.522	94	651	0.22	ug/l	92
13) Acrolein	3.549	56	656	1.21	ug/l #	38
16) Acetone	3.756	43	22190	13.99	ug/l	100
18) Methyl Acetate	4.263	43	4736	2.20	ug/l #	65
20) Methylene Chloride	4.475	84	16852	4.19	ug/l	93
25) 2-Butanone	6.768	43	5253	2.36	ug/l	96
29) Tetrahydrofuran	7.138	42	453	0.30	ug/l #	32
31) Cyclohexane	7.591	56	5276	0.81	ug/l #	1
36) 1,1-Dichloropropene	7.591	75	21177	4.61	ug/l #	48
37) Ethyl Acetate	6.768	43	5253	1.08	ug/l #	68
38) Carbon Tetrachloride	7.591	117	27600	6.27	ug/l #	17
43) Isopropyl Acetate	8.098	43	28395	3.67	ug/l #	89
45) 1,2-Dichloropropane	9.211	63	1876	0.49	ug/l #	44
48) Methyl methacrylate	9.120	41	6262	1.85	ug/l #	10
49) 1,4-Dioxane	9.206	88	99	1.96	ug/l #	1
51) 4-Methyl-2-Pentanone	9.922	43	6553	1.56	ug/l	89
54) cis-1,3-Dichloropropene	9.847	75	51608	8.84	ug/l #	57
56) Ethyl methacrylate	10.321	69	103	3.19	ug/l #	27
57) 1,3-Dichloropropane	10.708	76	30569	5.43	ug/l #	43
59) 2-Hexanone	10.708	43	383354	126.23	ug/l #	51
70) Styrene	11.925	104	25	3.05	ug/l #	26
71) Bromoform	12.352	173	1278	0.51	ug/l #	1
76) 1,2,3-Trichloropropane	12.349	75	90852	22.26	ug/l #	100
81) trans-1,4-Dichloro-2-b...	12.349	75	90852	60.45	ug/l #	12
95) Naphthalene	15.095	128	7751	0.90	ug/l #	75
96) 1,2,3-Trichlorobenzene	15.267	180	1447	0.45	ug/l	85

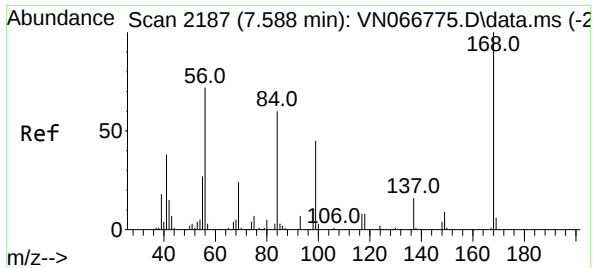
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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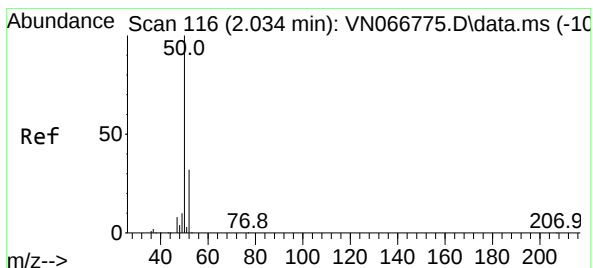
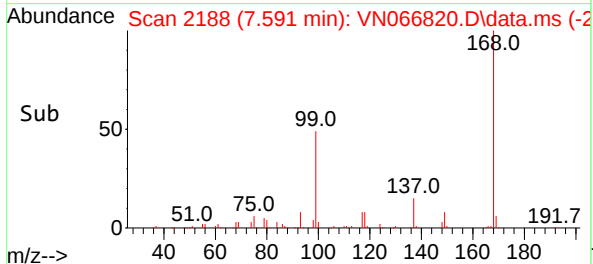
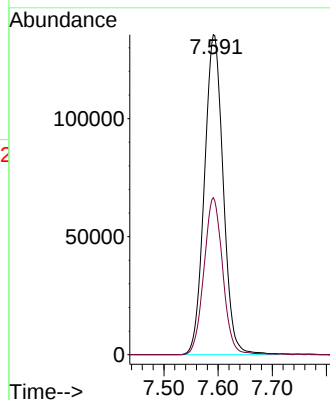
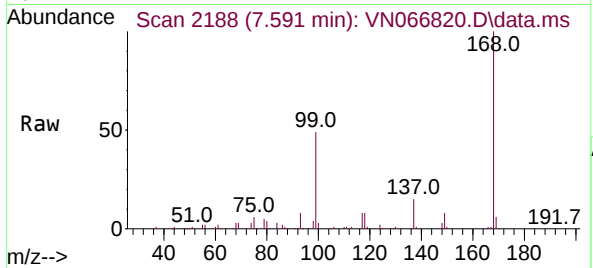




#1
Pentafluorobenzene
Concen: 50.00 ug/l
RT: 7.591 min Scan# 2188
Delta R.T. 0.003 min
Lab File: VN066820.D
Acq: 28 Apr 2021 18:15

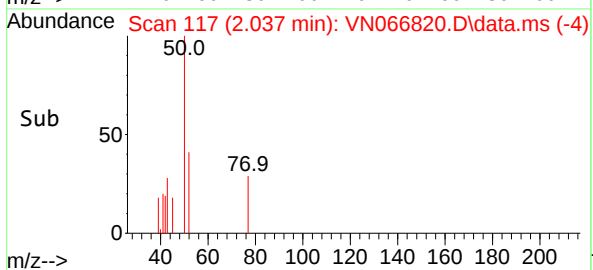
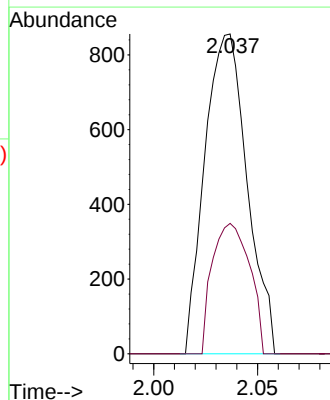
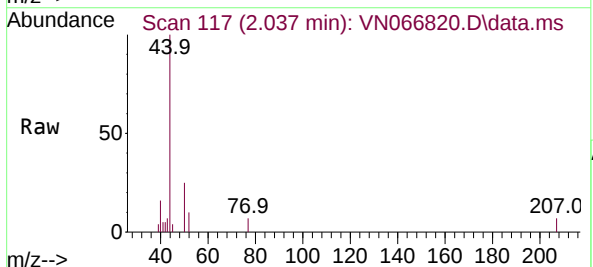
Instrument :
MSVOA_N
ClientSampled :

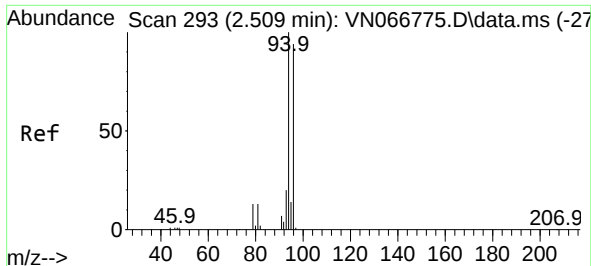
Tgt Ion:168 Resp: 327205
Ion Ratio Lower Upper
168 100
99 49.1 42.6 63.8



#3
Chloromethane
Concen: 0.26 ug/l
RT: 2.037 min Scan# 117
Delta R.T. 0.003 min
Lab File: VN066820.D
Acq: 28 Apr 2021 18:15

Tgt Ion: 50 Resp: 1213
Ion Ratio Lower Upper
50 100
52 40.8 25.8 38.8#

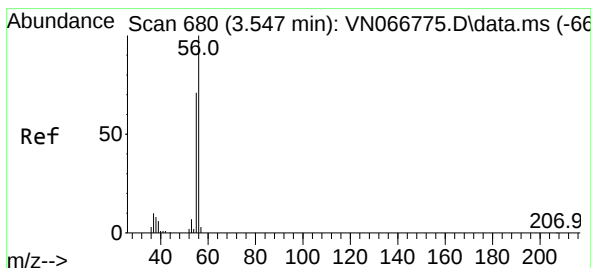
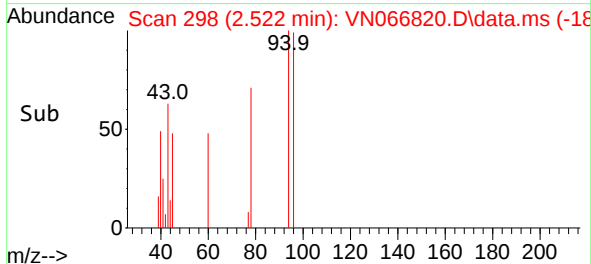
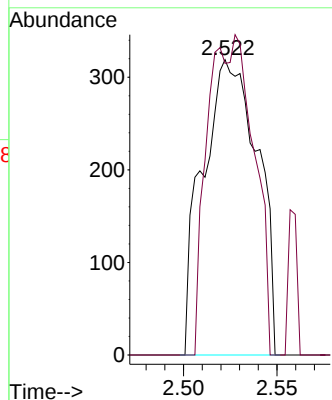
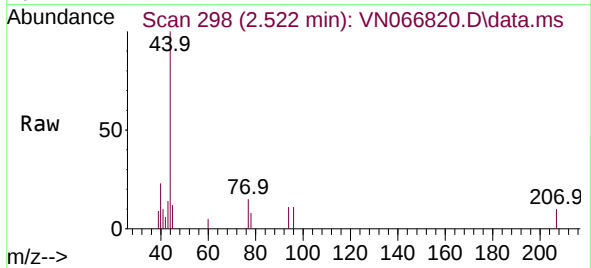




#5
Bromomethane
Concen: 0.22 ug/l
RT: 2.522 min Scan# 298
Delta R.T. 0.013 min
Lab File: VN066820.D
Acq: 28 Apr 2021 18:15

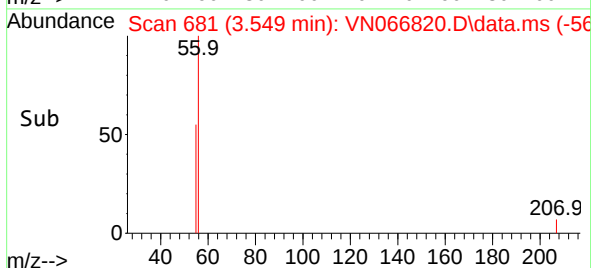
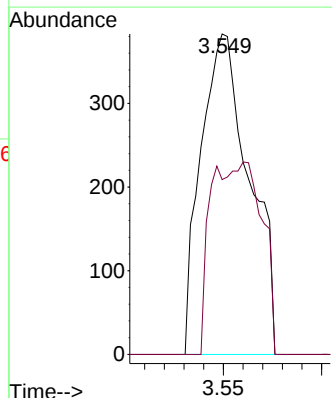
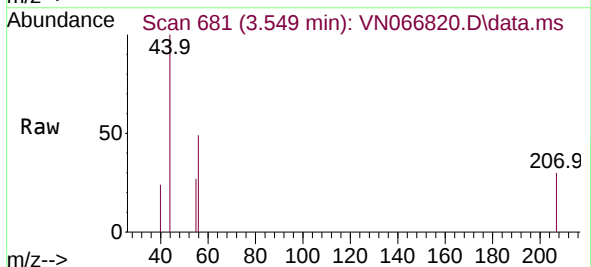
Instrument :
MSVOA_N
ClientSampled :

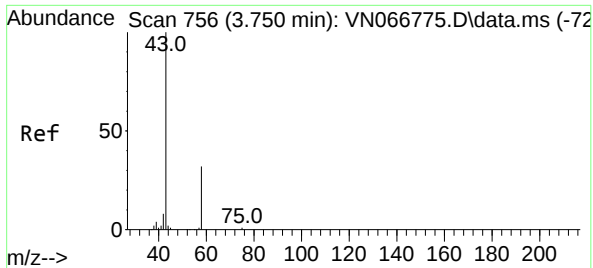
Tgt Ion: 94 Resp: 651
Ion Ratio Lower Upper
94 100
96 98.7 73.0 109.4



#13
Acrolein
Concen: 1.21 ug/l
RT: 3.549 min Scan# 681
Delta R.T. 0.002 min
Lab File: VN066820.D
Acq: 28 Apr 2021 18:15

Tgt Ion: 56 Resp: 656
Ion Ratio Lower Upper
56 100
55 19.5 56.0 84.0#

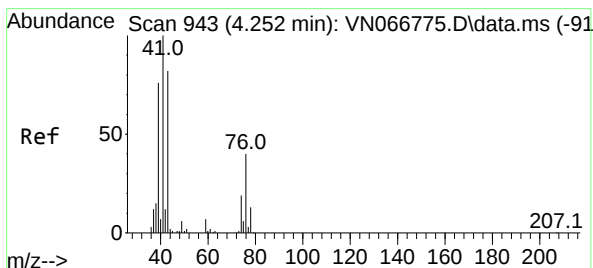
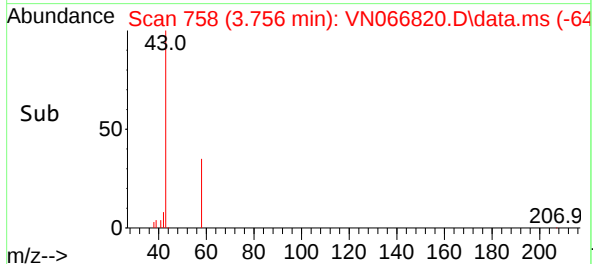
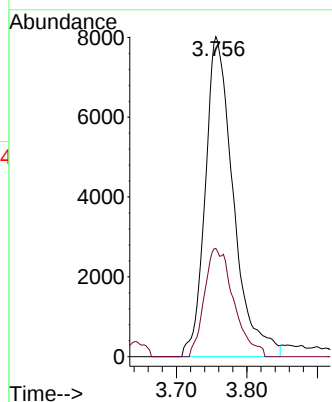
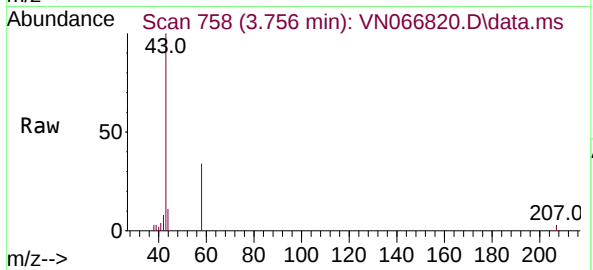




#16
Acetone
Concen: 13.99 ug/l
RT: 3.756 min Scan# 758
Delta R.T. 0.006 min
Lab File: VN066820.D
Acq: 28 Apr 2021 18:15

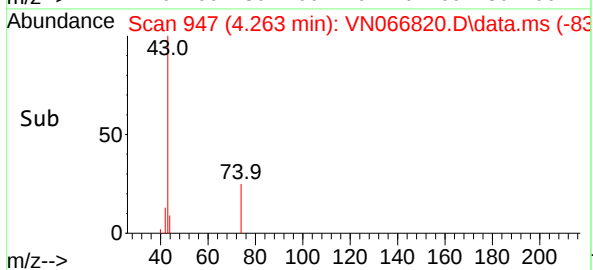
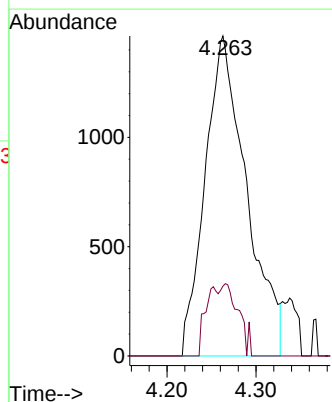
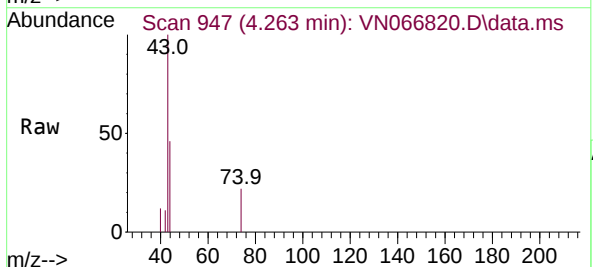
Instrument :
MSVOA_N
ClientSampled :

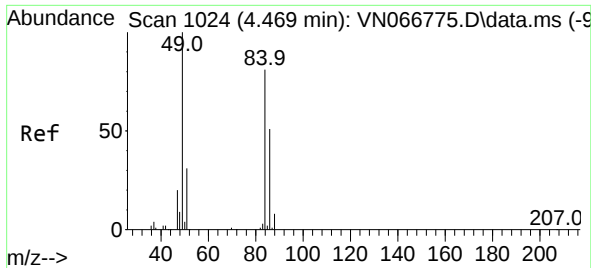
Tgt Ion: 43 Resp: 22190
Ion Ratio Lower Upper
43 100
58 33.8 27.0 40.6



#18
Methyl Acetate
Concen: 2.20 ug/l
RT: 4.263 min Scan# 947
Delta R.T. 0.011 min
Lab File: VN066820.D
Acq: 28 Apr 2021 18:15

Tgt Ion: 43 Resp: 4736
Ion Ratio Lower Upper
43 100
74 7.0 19.5 29.3#





#20

Methylene Chloride

Concen: 4.19 ug/l

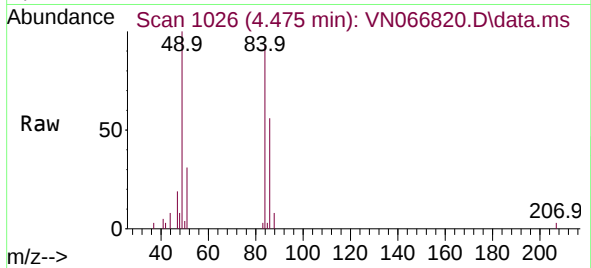
RT: 4.475 min Scan# 1026

Delta R.T. 0.006 min

Lab File: VN066820.D

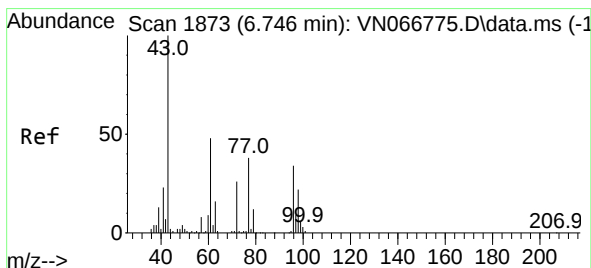
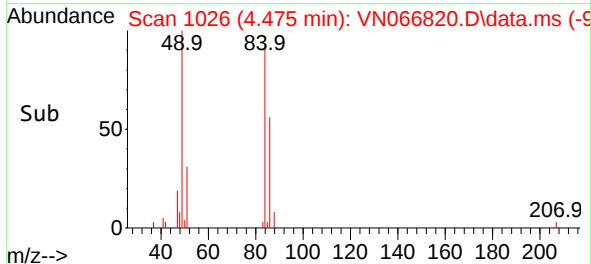
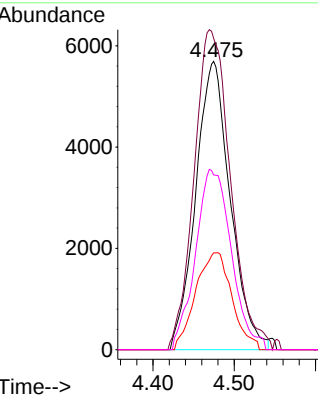
Acq: 28 Apr 2021 18:15

Instrument :
MSVOA_N
ClientSampled :



Tgt Ion: 84 Resp: 16852

Ion	Ratio	Lower	Upper
84	100		
49	108.0	94.6	141.8
51	33.6	29.9	44.9
86	60.6	51.4	77.2



#25

2-Butanone

Concen: 2.36 ug/l

RT: 6.768 min Scan# 1881

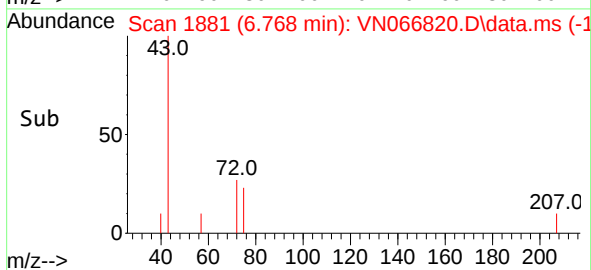
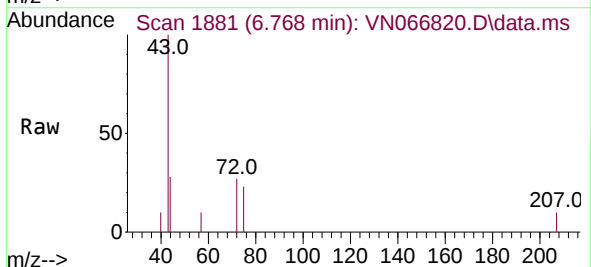
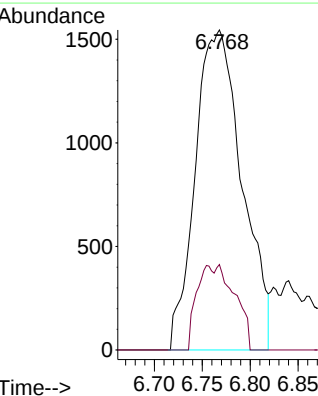
Delta R.T. 0.022 min

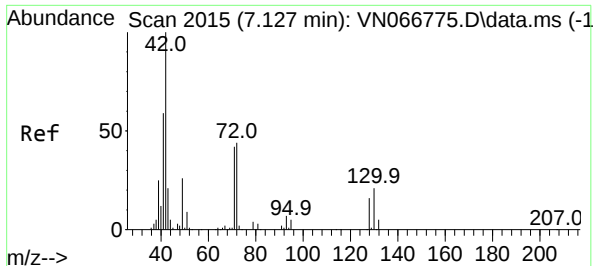
Lab File: VN066820.D

Acq: 28 Apr 2021 18:15

Tgt Ion: 43 Resp: 5253

Ion	Ratio	Lower	Upper
43	100		
72	26.7	23.1	34.7

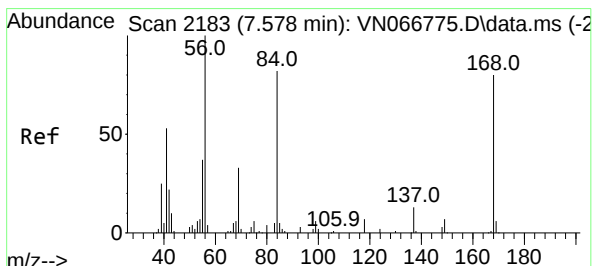
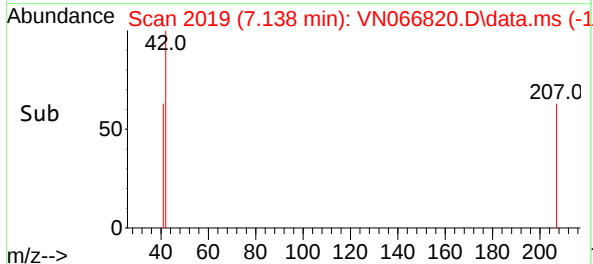
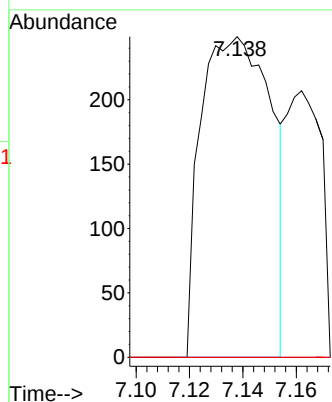
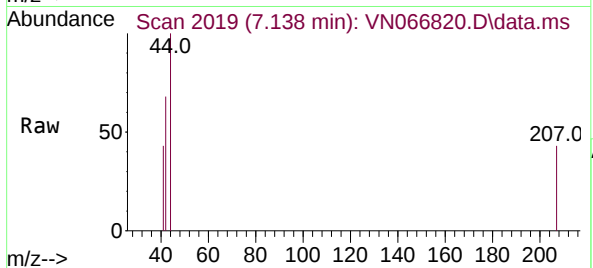




#29
Tetrahydrofuran
Concen: 0.30 ug/l
RT: 7.138 min Scan# 2019
Delta R.T. 0.011 min
Lab File: VN066820.D
Acq: 28 Apr 2021 18:15

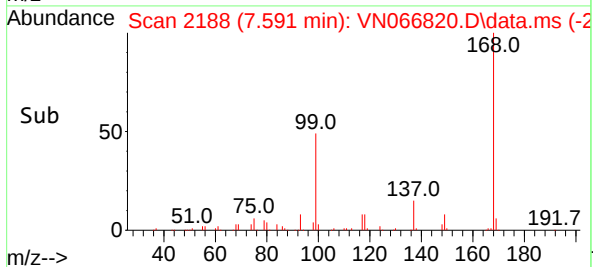
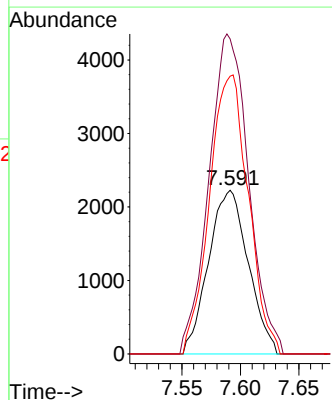
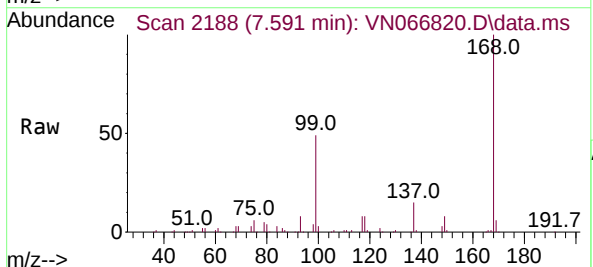
Instrument :
MSVOA_N
ClientSampled :

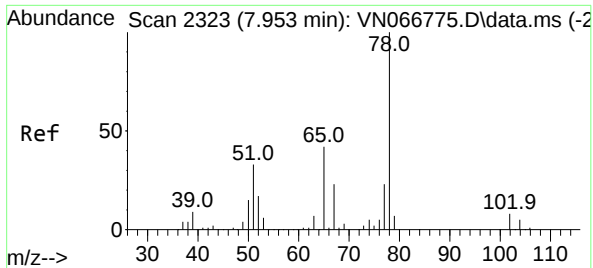
Tgt Ion: 42 Resp: 453
Ion Ratio Lower Upper
42 100
72 0.0 36.6 55.0#
71 0.0 34.3 51.5#



#31
Cyclohexane
Concen: 0.81 ug/l
RT: 7.591 min Scan# 2188
Delta R.T. 0.013 min
Lab File: VN066820.D
Acq: 28 Apr 2021 18:15

Tgt Ion: 56 Resp: 5276
Ion Ratio Lower Upper
56 100
69 192.5 26.6 39.8#
84 169.7 70.4 105.6#

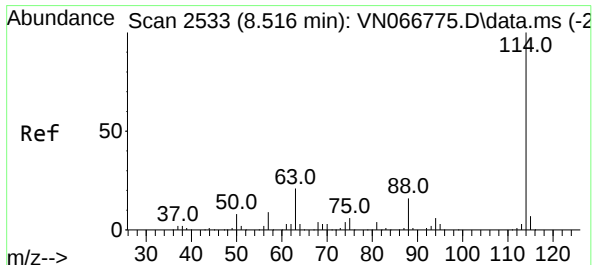
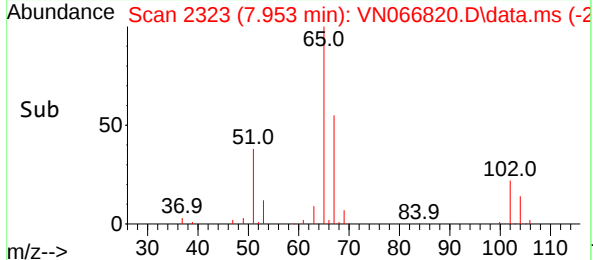
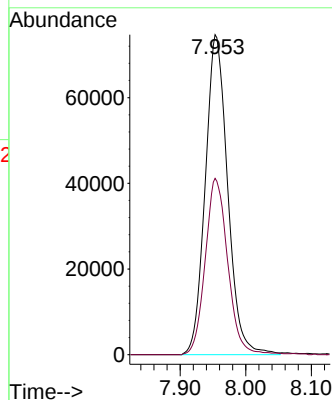
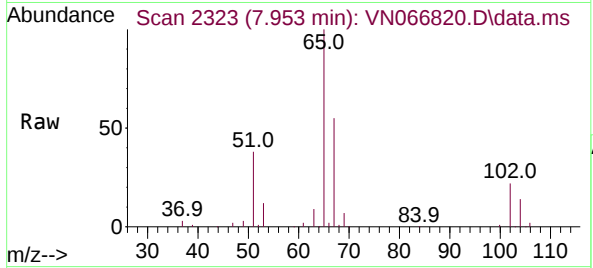




#33
1,2-Dichloroethane-d4
Concen: 42.09 ug/l
RT: 7.953 min Scan# 2323
Delta R.T. 0.000 min
Lab File: VN066820.D
Acq: 28 Apr 2021 18:15

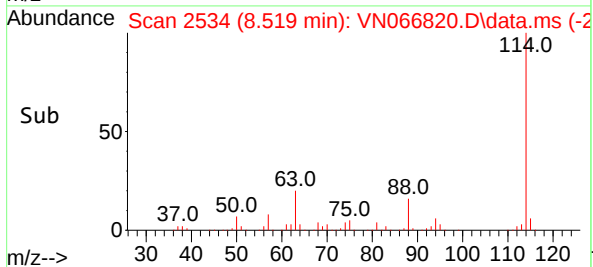
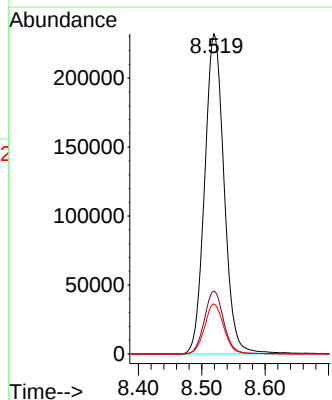
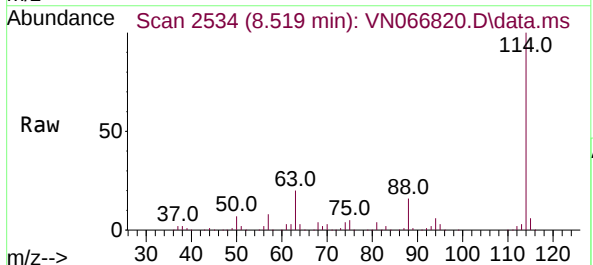
Instrument :
MSVOA_N
ClientSampled :

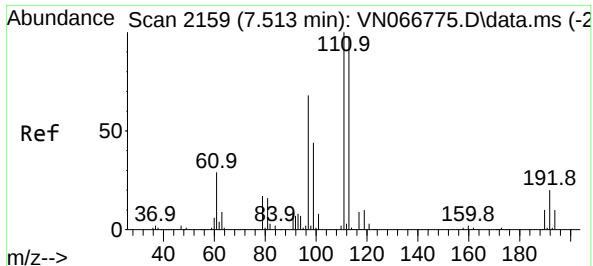
Tgt Ion: 65 Resp: 176935
Ion Ratio Lower Upper
65 100
67 55.3 0.0 107.2



#34
1,4-Difluorobenzene
Concen: 50.00 ug/l
RT: 8.519 min Scan# 2534
Delta R.T. 0.003 min
Lab File: VN066820.D
Acq: 28 Apr 2021 18:15

Tgt Ion: 114 Resp: 493874
Ion Ratio Lower Upper
114 100
63 19.6 0.0 38.6
88 15.6 0.0 30.6

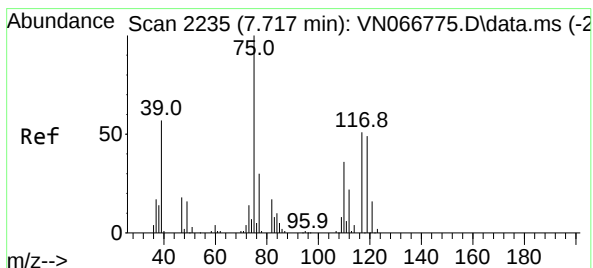
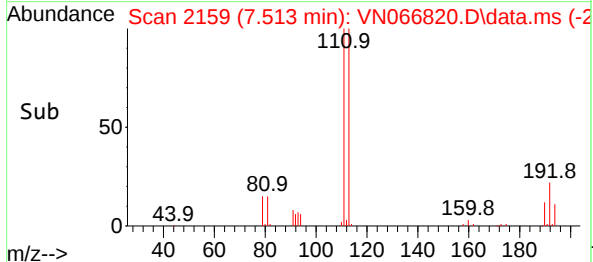
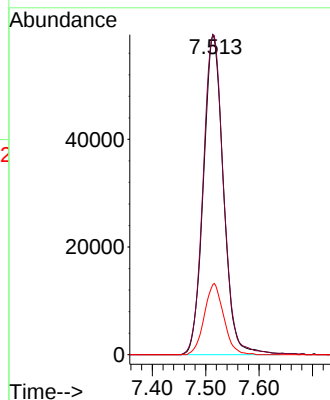
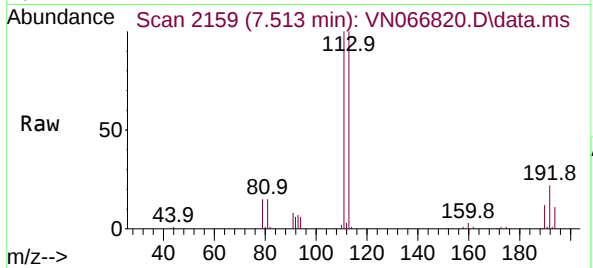




#35
Dibromofluoromethane
Concen: 50.61 ug/l
RT: 7.513 min Scan# 2159
Delta R.T. 0.000 min
Lab File: VN066820.D
Acq: 28 Apr 2021 18:15

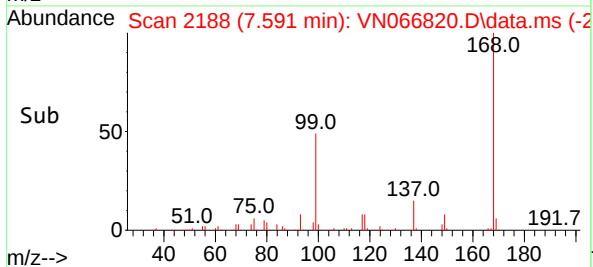
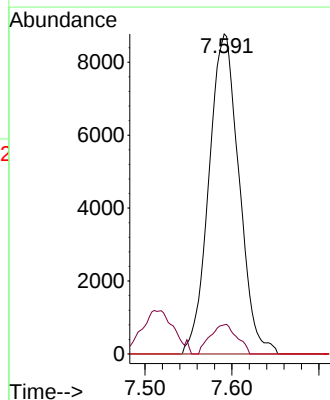
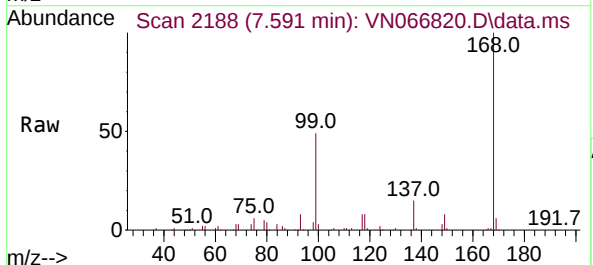
Instrument :
MSVOA_N
ClientSampled :

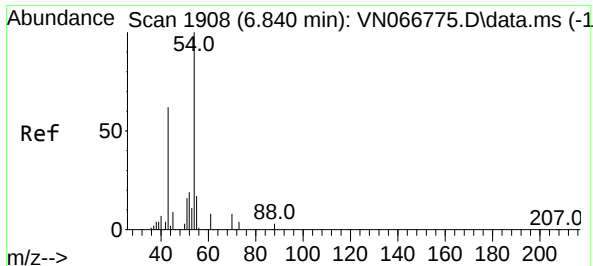
Tgt Ion:113 Resp: 154286
Ion Ratio Lower Upper
113 100
111 102.1 82.2 123.2
192 21.5 15.4 23.0



#36
1,1-Dichloropropene
Concen: 4.61 ug/l
RT: 7.591 min Scan# 2188
Delta R.T. -0.126 min
Lab File: VN066820.D
Acq: 28 Apr 2021 18:15

Tgt Ion: 75 Resp: 21177
Ion Ratio Lower Upper
75 100
110 8.2 18.2 54.6#
77 0.0 24.9 37.3#





#37

Ethyl Acetate

Concen: 1.08 ug/l

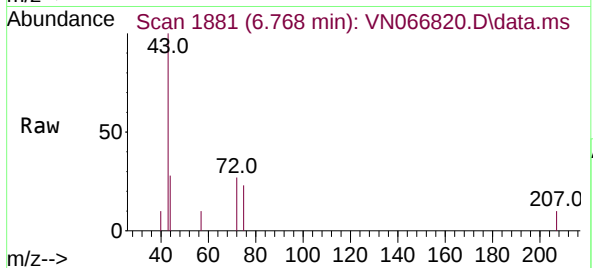
RT: 6.768 min Scan# 1881

Delta R.T. -0.072 min

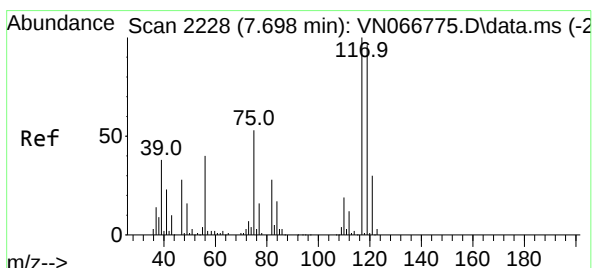
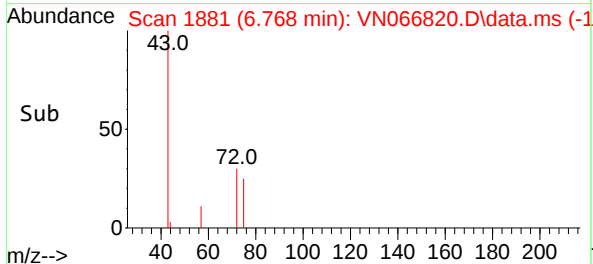
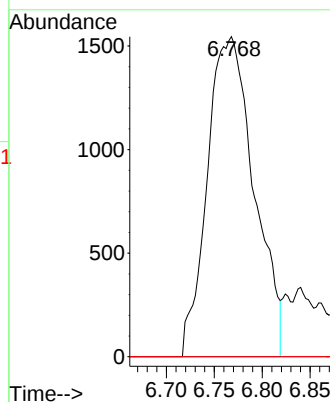
Lab File: VN066820.D

Acq: 28 Apr 2021 18:15

Instrument :
MSVOA_N
ClientSampleId :



Tgt Ion:	43	Resp:	5253
Ion	Ratio	Lower	Upper
43	100		
61	0.0	11.6	17.4#
70	0.0	8.6	13.0#



#38

Carbon Tetrachloride

Concen: 6.27 ug/l

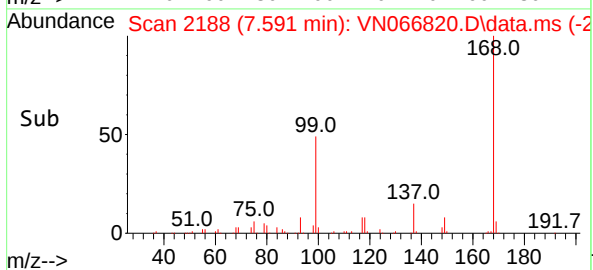
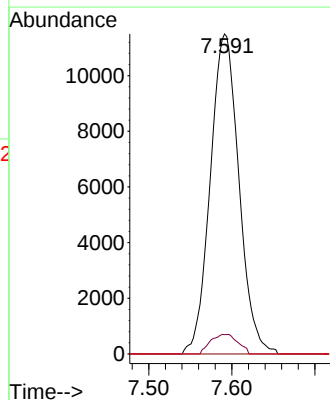
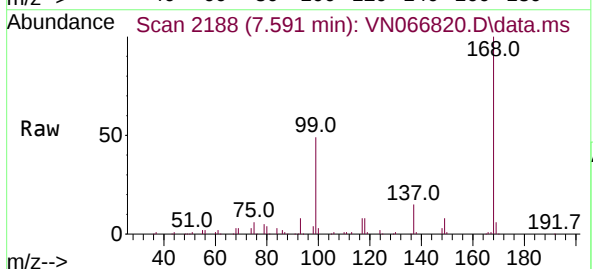
RT: 7.591 min Scan# 2188

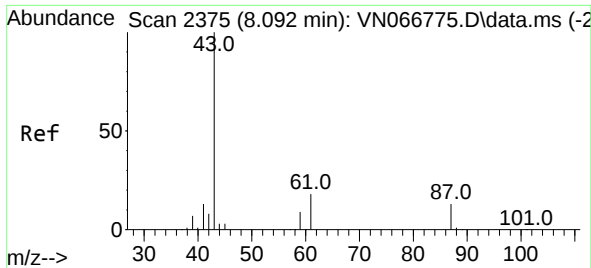
Delta R.T. -0.107 min

Lab File: VN066820.D

Acq: 28 Apr 2021 18:15

Tgt Ion:	117	Resp:	27600
Ion	Ratio	Lower	Upper
117	100		
119	6.1	76.0	114.0#
121	0.0	24.5	36.7#

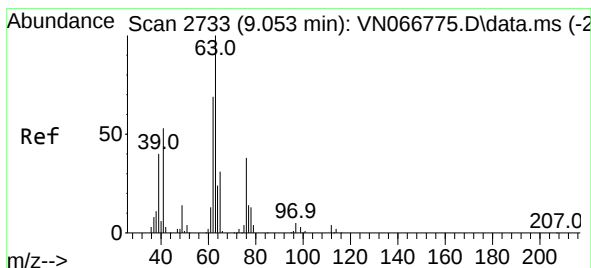
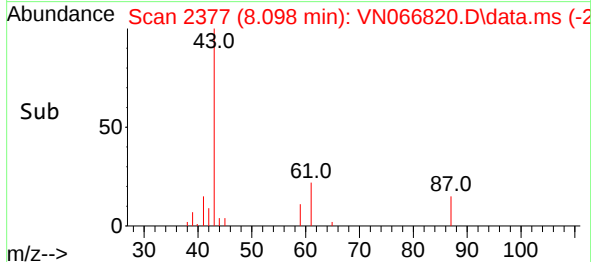
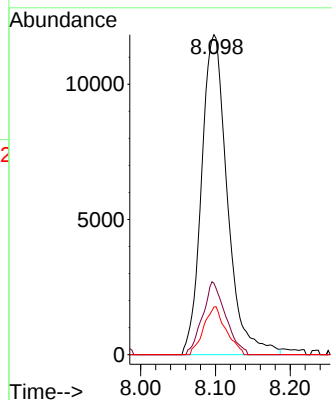
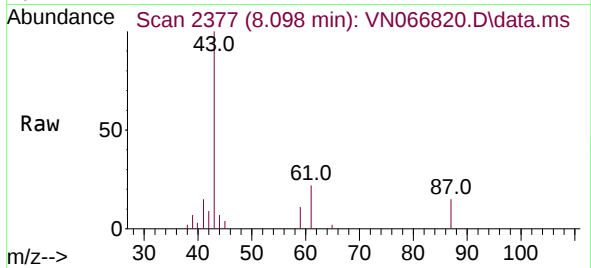




#43
Isopropyl Acetate
Concen: 3.67 ug/l
RT: 8.098 min Scan# 2377
Delta R.T. 0.006 min
Lab File: VN066820.D
Acq: 28 Apr 2021 18:15

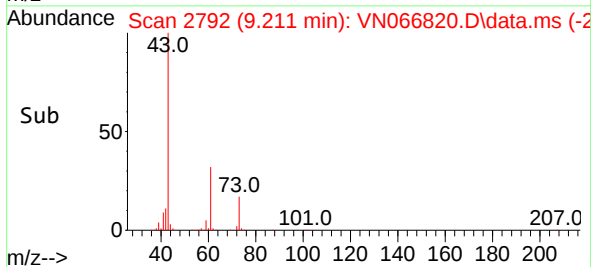
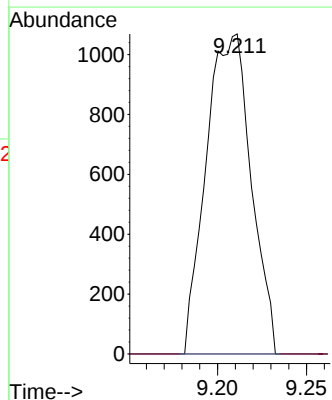
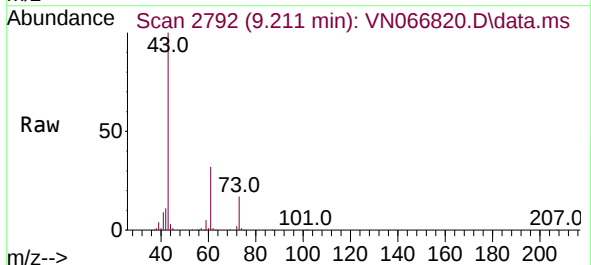
Instrument :
MSVOA_N
ClientSampled :

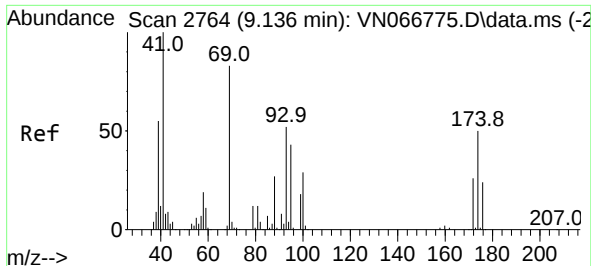
Tgt Ion	Ratio	Lower	Upper
43	100		
61	20.4	22.5	33.7#
87	12.9	11.1	16.7



#45
1,2-Dichloropropane
Concen: 0.49 ug/l
RT: 9.211 min Scan# 2792
Delta R.T. 0.158 min
Lab File: VN066820.D
Acq: 28 Apr 2021 18:15

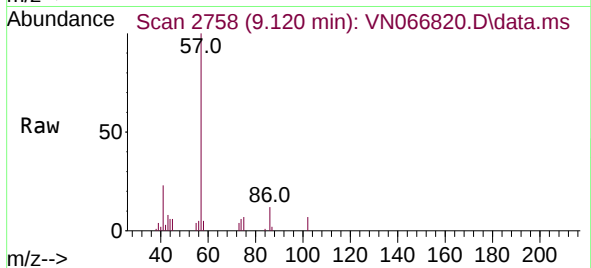
Tgt Ion	Ratio	Lower	Upper
63	100		
65	0.0	24.9	37.3#



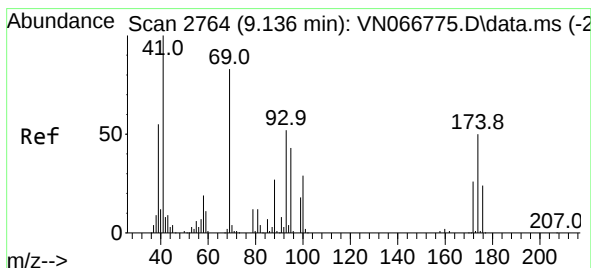
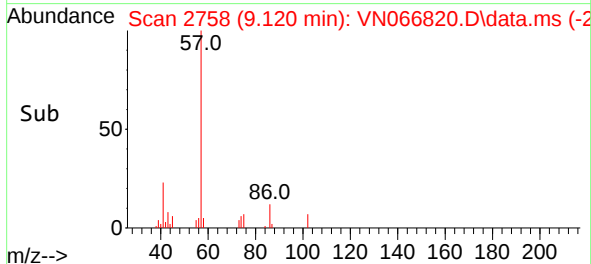
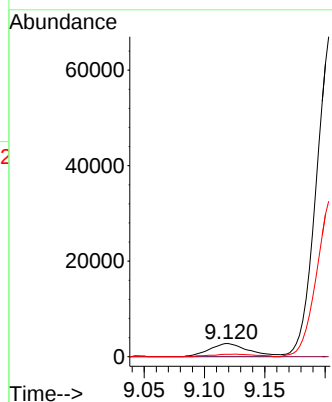


#48
Methyl methacrylate
Concen: 1.85 ug/l
RT: 9.120 min Scan# 2758
Delta R.T. -0.016 min
Lab File: VN066820.D
Acq: 28 Apr 2021 18:15

Instrument :
MSVOA_N
ClientSampled :

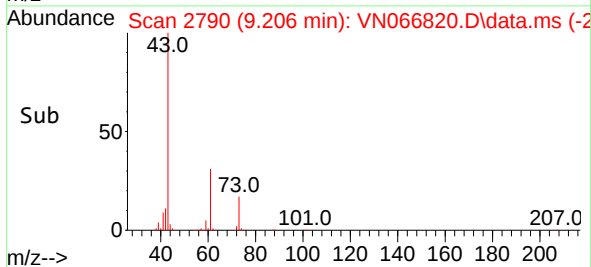
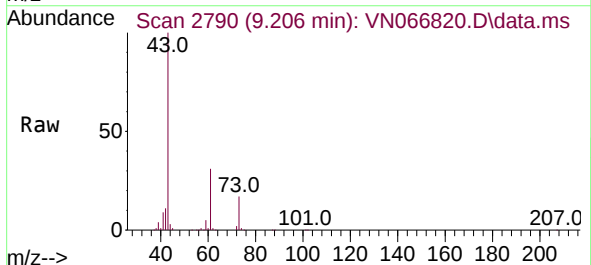
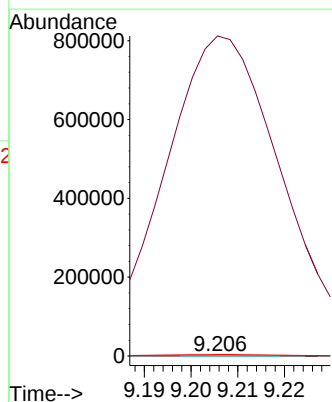


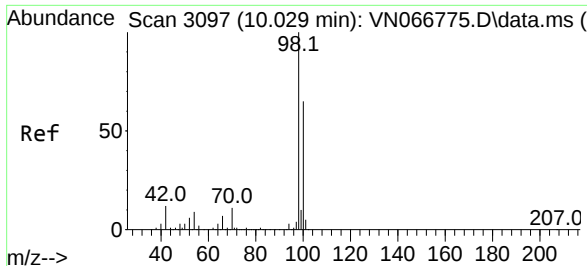
Tgt Ion: 41 Resp: 6262
Ion Ratio Lower Upper
41 100
69 0.0 75.9 113.9#
39 0.0 46.6 69.8#



#49
1,4-Dioxane
Concen: 1.96 ug/l
RT: 9.206 min Scan# 2790
Delta R.T. 0.070 min
Lab File: VN066820.D
Acq: 28 Apr 2021 18:15

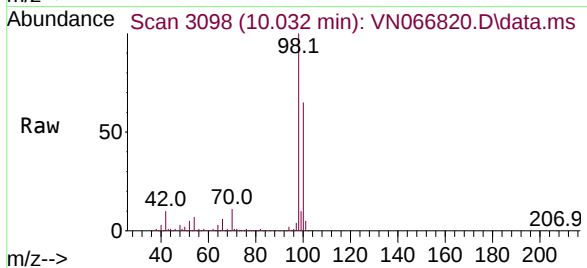
Tgt Ion: 88 Resp: 99
Ion Ratio Lower Upper
88 100
43 1537077.8 24.7 37.1#
58 7180.8 52.6 78.8#



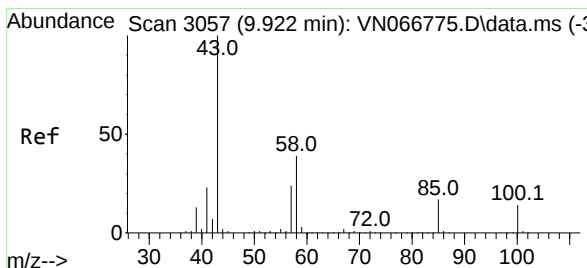
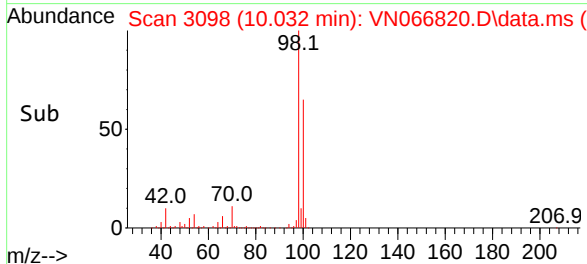
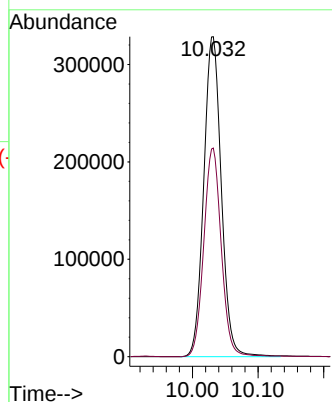


#50
Toluene-d8
Concen: 51.08 ug/l
RT: 10.032 min Scan# 3098
Delta R.T. 0.003 min
Lab File: VN066820.D
Acq: 28 Apr 2021 18:15

Instrument :
MSVOA_N
ClientSampled :

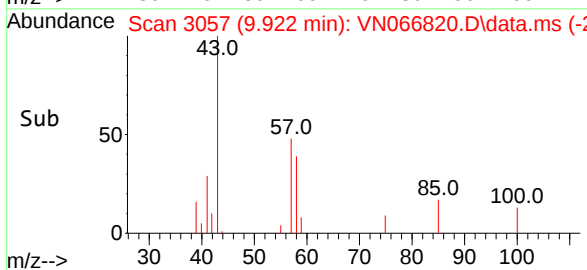
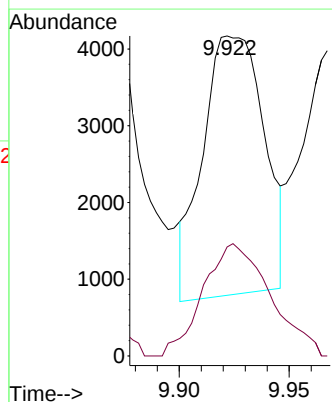
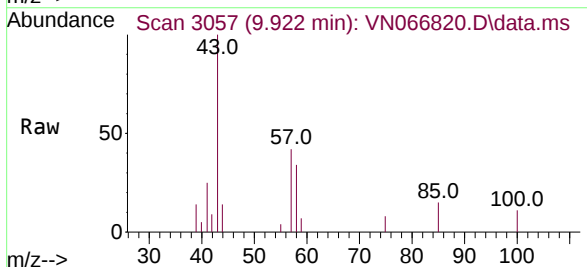


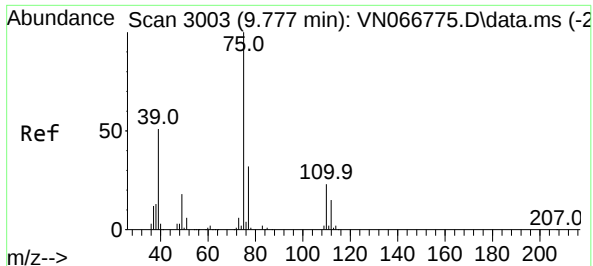
Tgt Ion: 98 Resp: 611257
Ion Ratio Lower Upper
98 100
100 64.8 50.5 75.7



#51
4-Methyl-2-Pentanone
Concen: 1.56 ug/l
RT: 9.922 min Scan# 3057
Delta R.T. -0.000 min
Lab File: VN066820.D
Acq: 28 Apr 2021 18:15

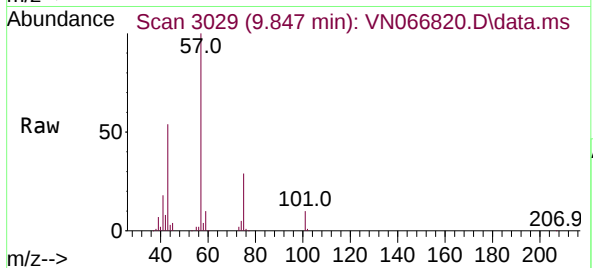
Tgt Ion: 43 Resp: 6553
Ion Ratio Lower Upper
43 100
58 47.6 32.5 48.7



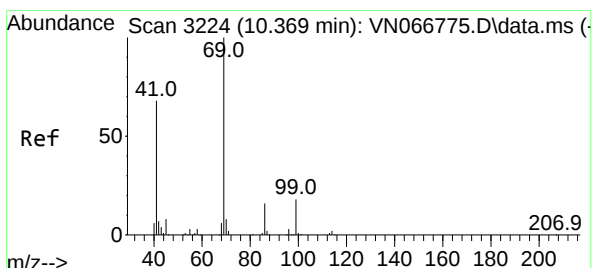
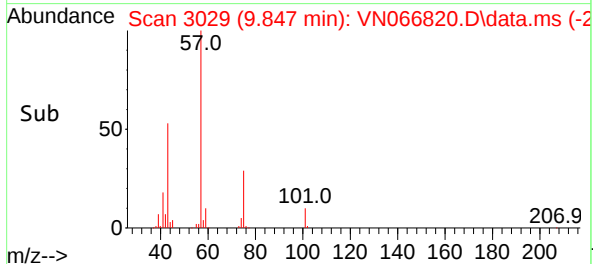
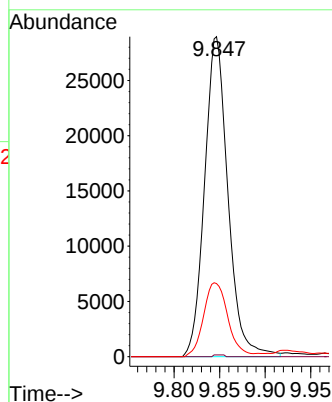


#54
cis-1,3-Dichloropropene
Concen: 8.84 ug/l
RT: 9.847 min Scan# 3029
Delta R.T. 0.070 min
Lab File: VN066820.D
Acq: 28 Apr 2021 18:15

Instrument :
MSVOA_N
ClientSampled :

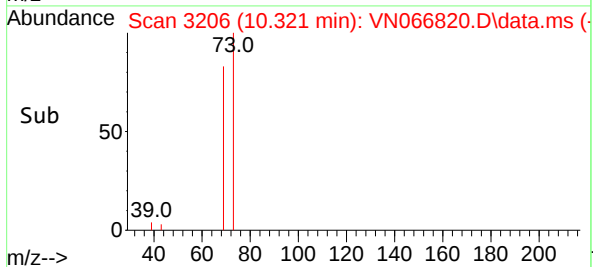
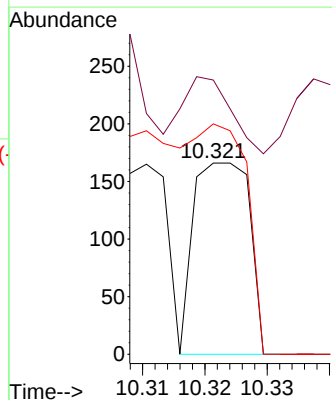
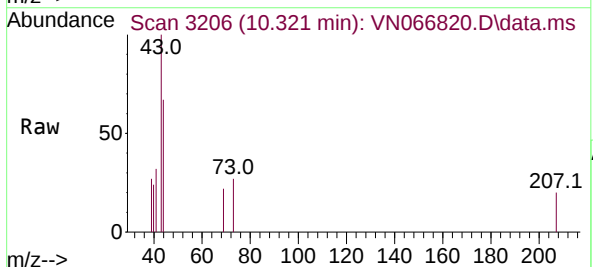


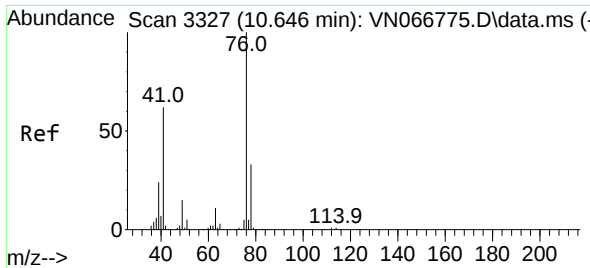
Tgt Ion: 75 Resp: 51608
Ion Ratio Lower Upper
75 100
77 0.6 24.9 37.3#
39 22.8 36.2 54.4#



#56
Ethyl methacrylate
Concen: 3.19 ug/l
RT: 10.321 min Scan# 3206
Delta R.T. -0.048 min
Lab File: VN066820.D
Acq: 28 Apr 2021 18:15

Tgt Ion: 69 Resp: 103
Ion Ratio Lower Upper
69 100
41 0.0 49.6 74.4#
39 0.0 28.0 42.0#

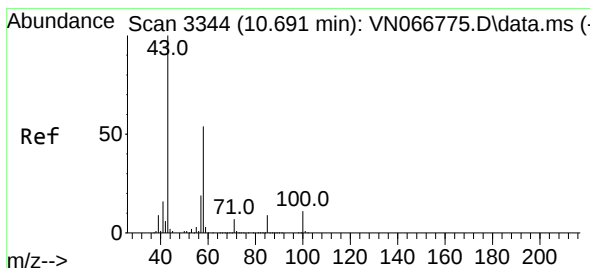
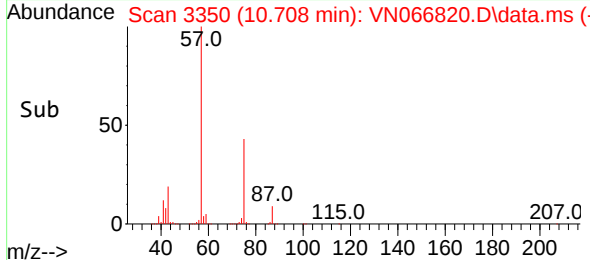
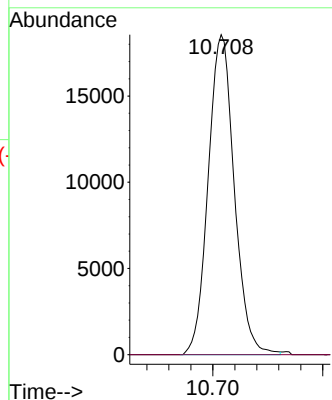
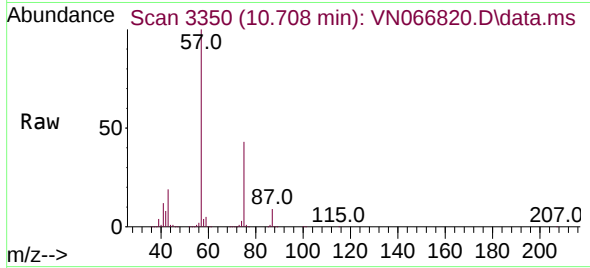




#57
1,3-Dichloropropane
Concen: 5.43 ug/l
RT: 10.708 min Scan# 3350
Delta R.T. 0.062 min
Lab File: VN066820.D
Acq: 28 Apr 2021 18:15

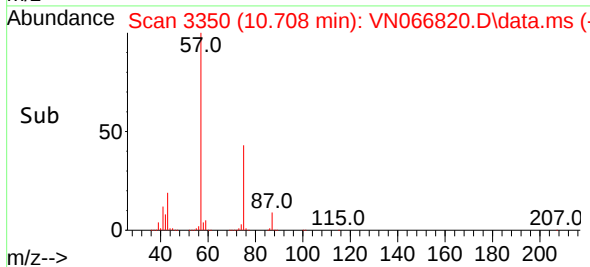
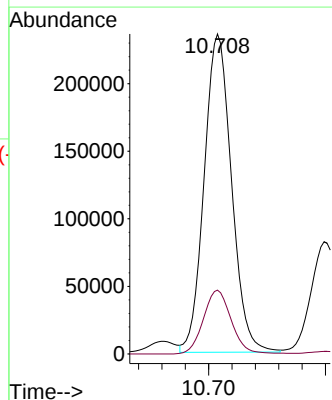
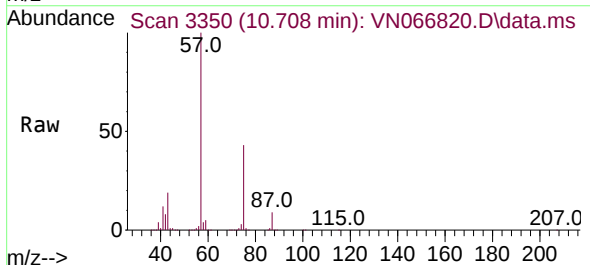
Instrument :
MSVOA_N
ClientSampled :

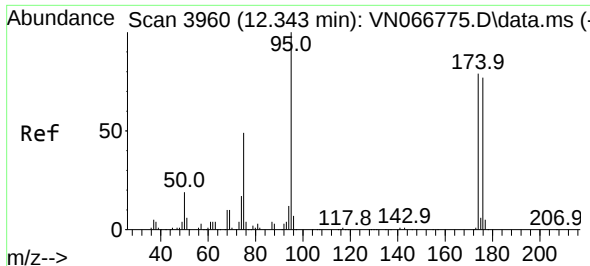
Tgt Ion: 76 Resp: 30569
Ion Ratio Lower Upper
76 100
78 0.0 25.7 38.5#



#59
2-Hexanone
Concen: 126.23 ug/l
RT: 10.708 min Scan# 3350
Delta R.T. 0.017 min
Lab File: VN066820.D
Acq: 28 Apr 2021 18:15

Tgt Ion: 43 Resp: 383354
Ion Ratio Lower Upper
43 100
58 20.5 28.1 84.3#

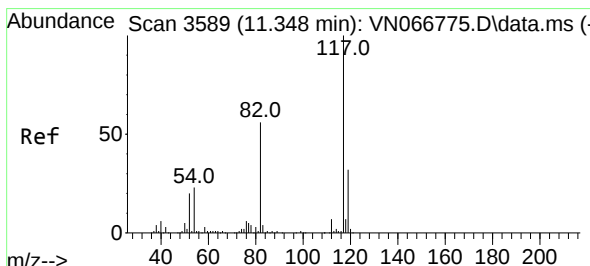
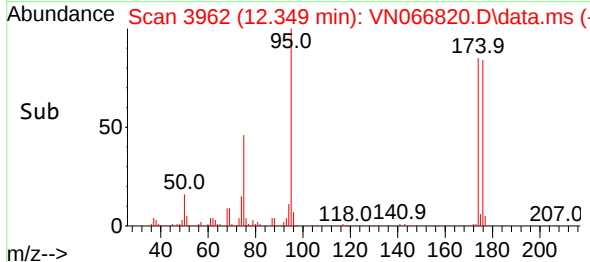
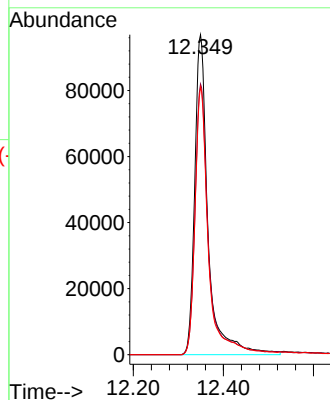
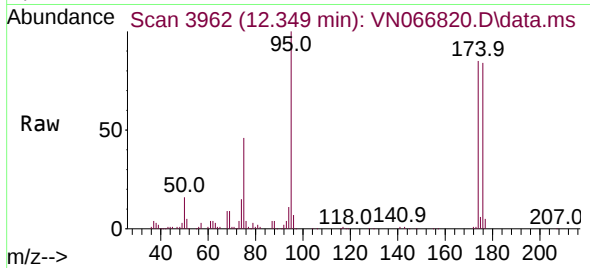




#62
4-Bromofluorobenzene
Concen: 49.37 ug/l
RT: 12.349 min Scan# 3962
Delta R.T. 0.006 min
Lab File: VN066820.D
Acq: 28 Apr 2021 18:15

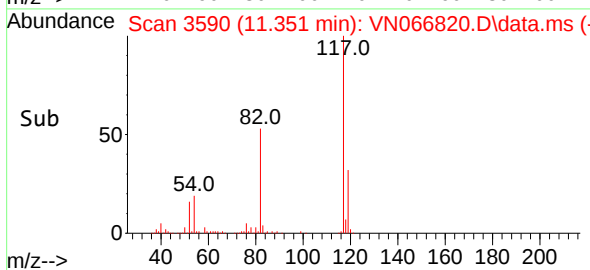
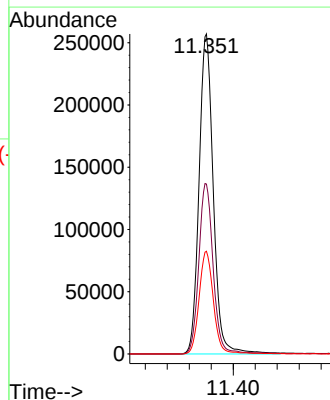
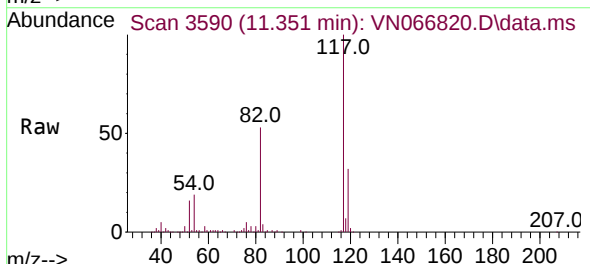
Instrument :
MSVOA_N
ClientSampleId :

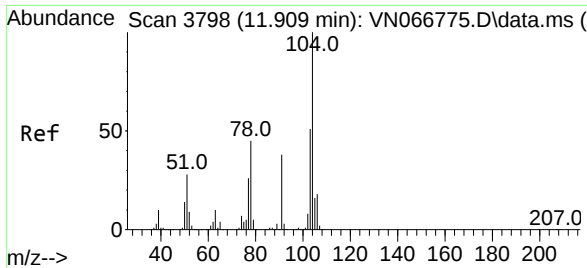
Tgt Ion: 95 Resp: 199891
Ion Ratio Lower Upper
95 100
174 85.6 0.0 169.0
176 83.8 0.0 162.4



#63
Chlorobenzene-d5
Concen: 50.00 ug/l
RT: 11.351 min Scan# 3590
Delta R.T. 0.003 min
Lab File: VN066820.D
Acq: 28 Apr 2021 18:15

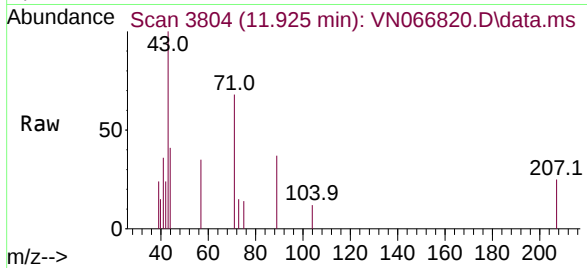
Tgt Ion: 117 Resp: 462007
Ion Ratio Lower Upper
117 100
82 53.1 43.7 65.5
119 32.1 26.1 39.1



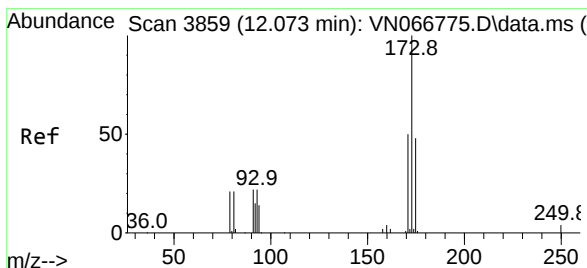
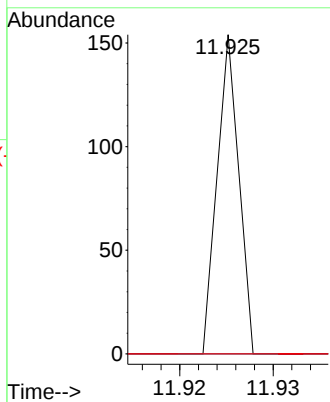
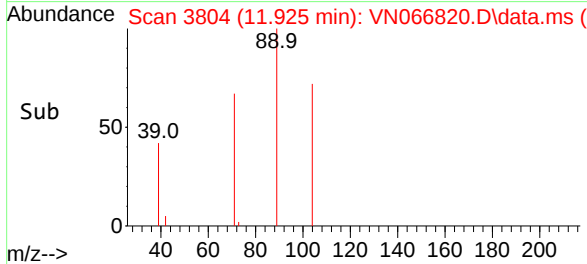


#70
Styrene
Concen: 3.05 ug/l
RT: 11.925 min Scan# 3804
Delta R.T. 0.016 min
Lab File: VN066820.D
Acq: 28 Apr 2021 18:15

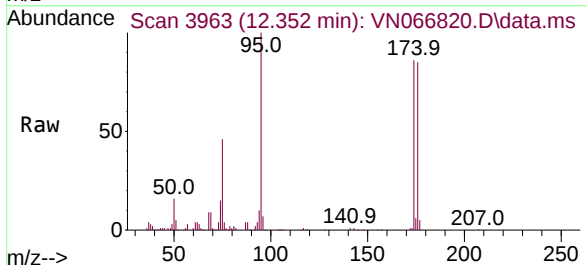
Instrument :
MSVOA_N
ClientSampled :



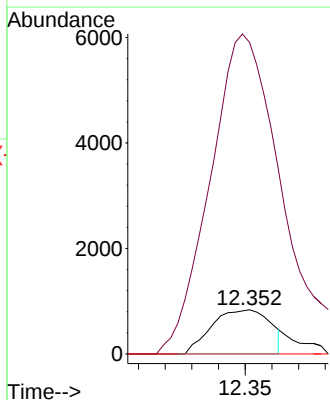
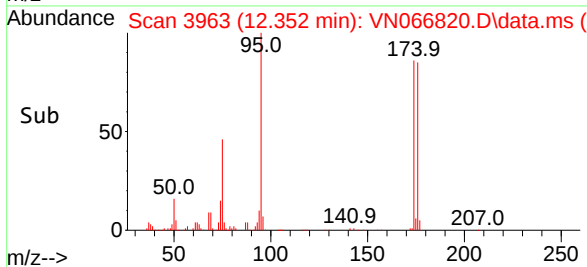
Tgt Ion:104 Resp: 25
Ion Ratio Lower Upper
104 100
78 0.0 39.0 58.4#
103 0.0 44.5 66.7#

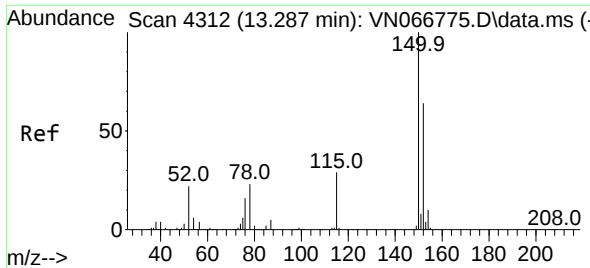


#71
Bromoform
Concen: 0.51 ug/l
RT: 12.352 min Scan# 3963
Delta R.T. 0.279 min
Lab File: VN066820.D
Acq: 28 Apr 2021 18:15



Tgt Ion:173 Resp: 1278
Ion Ratio Lower Upper
173 100
175 737.3 23.8 71.2#
254 0.0 0.0 0.0

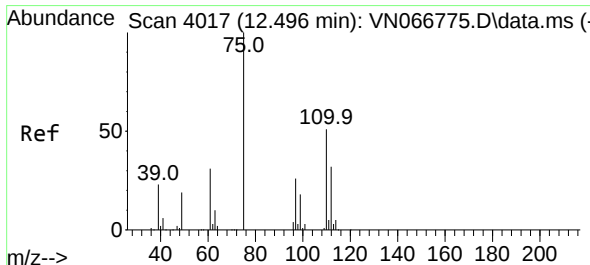
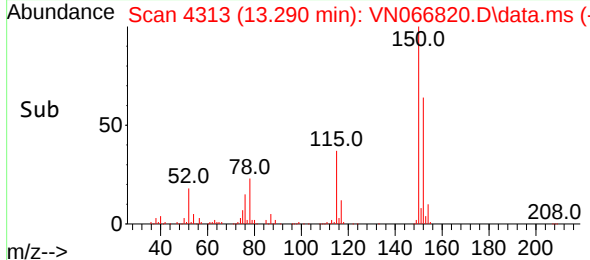
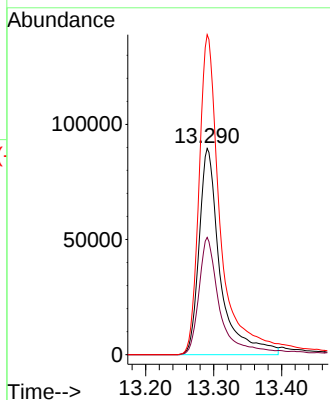
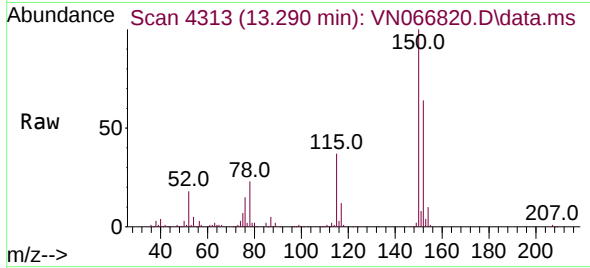




#72
 1,4-Dichlorobenzene-d4
 Concen: 50.00 ug/l
 RT: 13.290 min Scan# 4313
 Delta R.T. 0.003 min
 Lab File: VN066820.D
 Acq: 28 Apr 2021 18:15

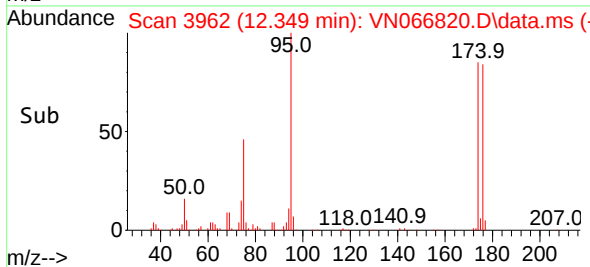
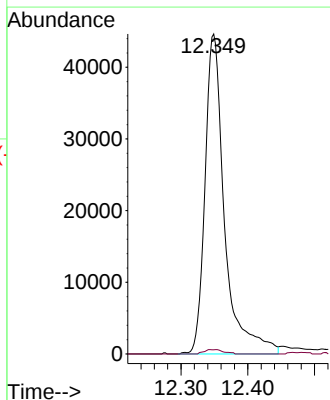
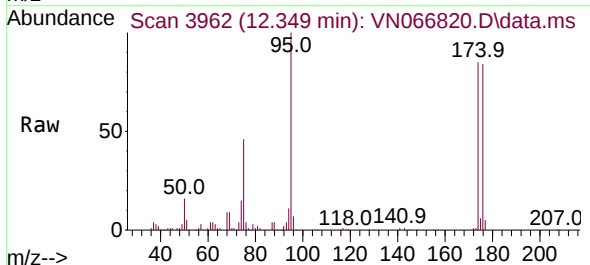
Instrument :
 MSVOA_N
 ClientSampled :

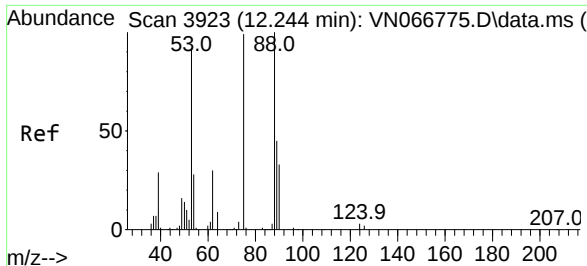
Tgt Ion:152 Resp: 193669
 Ion Ratio Lower Upper
 152 100
 115 56.1 28.5 85.6
 150 163.0 0.0 347.6



#76
 1,2,3-Trichloropropane
 Concen: 22.26 ug/l
 RT: 12.349 min Scan# 3962
 Delta R.T. -0.147 min
 Lab File: VN066820.D
 Acq: 28 Apr 2021 18:15

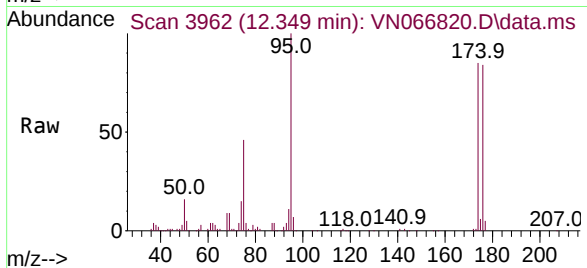
Tgt Ion: 75 Resp: 90852
 Ion Ratio Lower Upper
 75 100
 77 0.6 0.0 0.0#



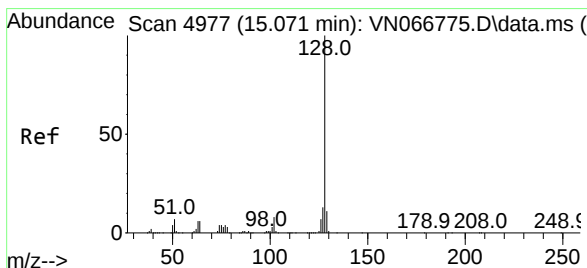
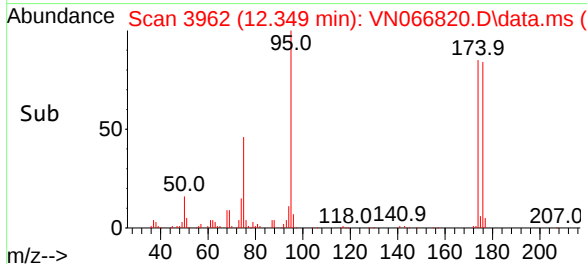
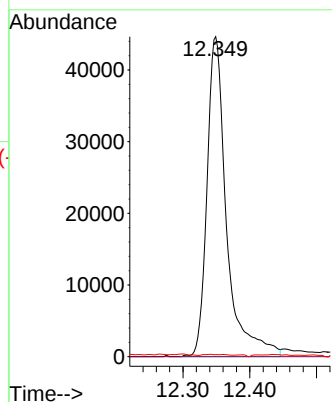


#81
trans-1,4-Dichloro-2-butene
Concen: 60.45 ug/l
RT: 12.349 min Scan# 3962
Delta R.T. 0.105 min
Lab File: VN066820.D
Acq: 28 Apr 2021 18:15

Instrument :
MSVOA_N
ClientSampled :

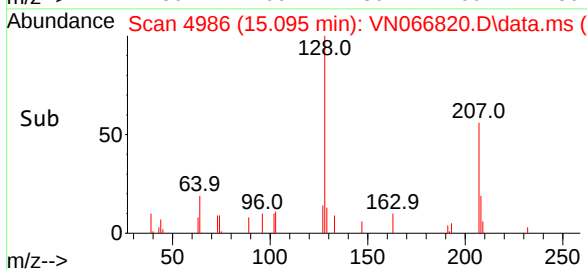
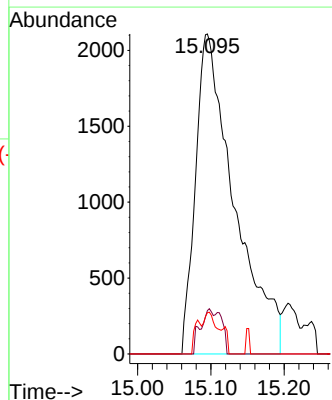
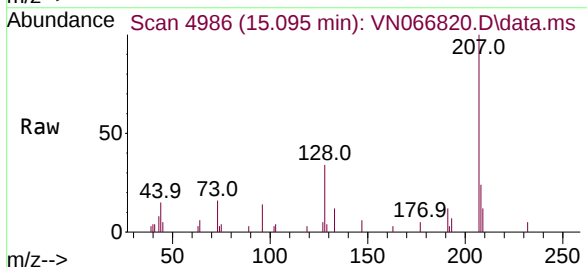


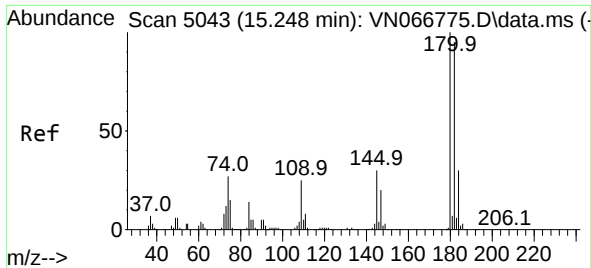
Tgt Ion	Ratio	Lower	Upper
75	100		
53	0.0	74.6	111.8#
89	0.2	35.8	53.8#



#95
Naphthalene
Concen: 0.90 ug/l
RT: 15.095 min Scan# 4986
Delta R.T. 0.024 min
Lab File: VN066820.D
Acq: 28 Apr 2021 18:15

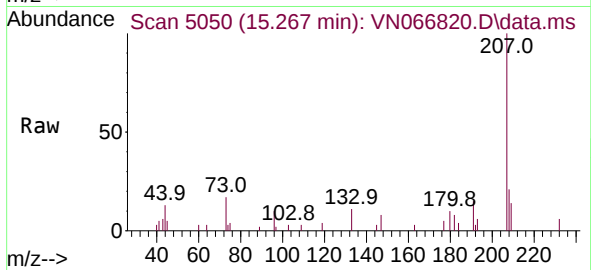
Tgt Ion	Ratio	Lower	Upper
128	100		
127	1.7	10.2	15.2#
129	2.2	8.6	13.0#





#96
 1,2,3-Trichlorobenzene
 Concen: 0.45 ug/l
 RT: 15.267 min Scan# 5050
 Delta R.T. 0.019 min
 Lab File: VN066820.D
 Acq: 28 Apr 2021 18:15

Instrument :
 MSVOA_N
 ClientSampleId :



Tgt Ion:	180	Resp:	1447
Ion	Ratio	Lower	Upper
180	100		
182	104.8	47.4	142.3
145	17.5	16.5	49.5

