

Data Path : Z:\voasrv\HPCHEM1\MSVOA_N\Data\VN042721\
 Data File : VN066789.D
 Acq On : 27 Apr 2021 18:26
 Operator : JC/MD
 Sample : M2176-05
 Misc : 5.00mL/MSVOA_N/WATER
 ALS Vial : 19 Sample Multiplier: 1

Instrument :
 MSVOA_N
 ClientSampleId :

Quant Time: Apr 28 08:12:32 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)

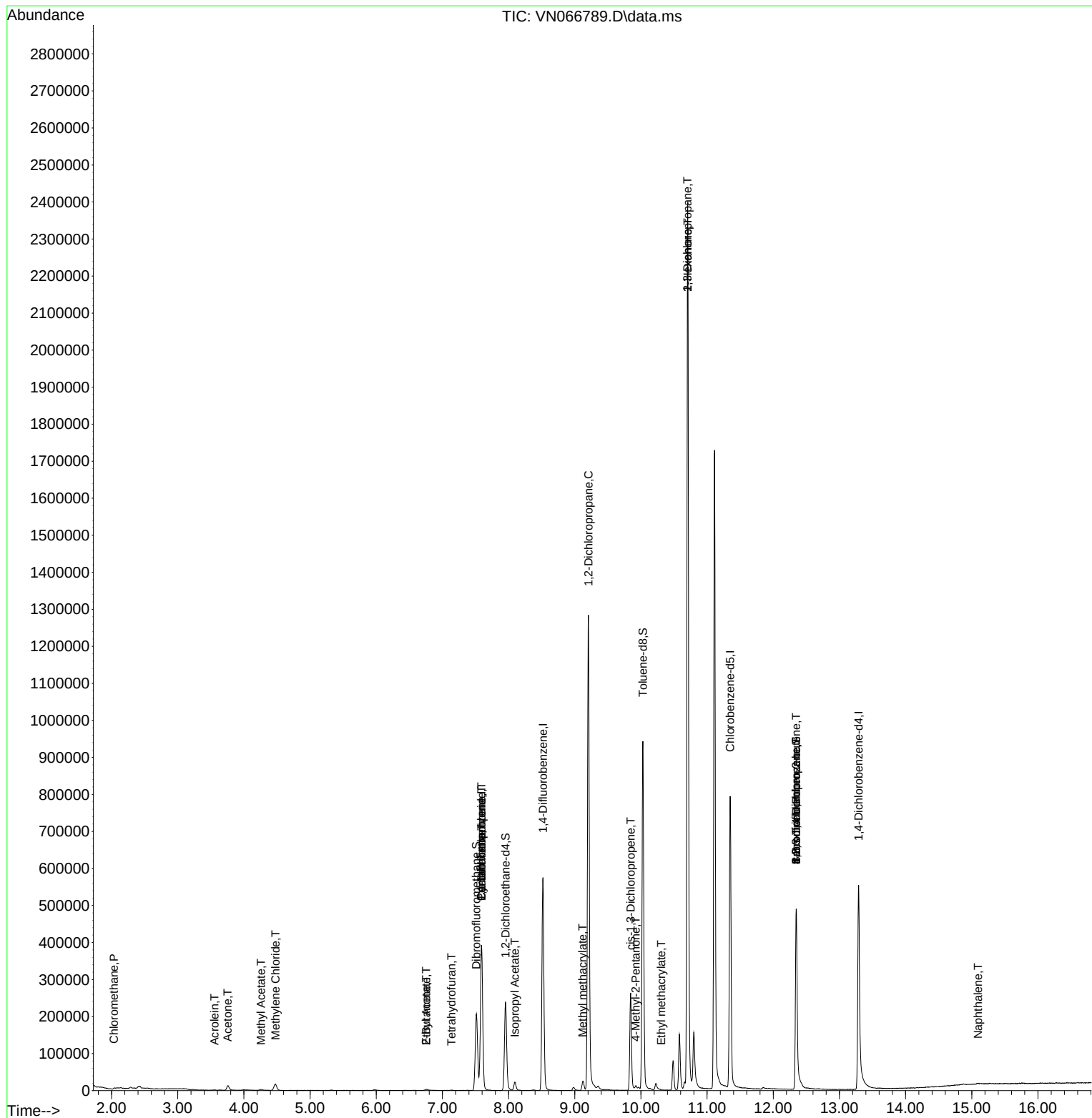
Internal Standards						
1) Pentafluorobenzene	7.591	168	342806	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	8.519	114	531086	50.00	ug/l	0.00
63) Chlorobenzene-d5	11.348	117	477766	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.290	152	196454	50.00	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	7.953	65	209012	47.45	ug/l	0.00
Spiked Amount 50.000	Range 61 - 141		Recovery =	94.90%		
35) Dibromofluoromethane	7.513	113	164207	50.09	ug/l	0.00
Spiked Amount 50.000	Range 69 - 133		Recovery =	100.18%		
50) Toluene-d8	10.029	98	654519	50.86	ug/l	0.00
Spiked Amount 50.000	Range 65 - 126		Recovery =	101.72%		
62) 4-Bromofluorobenzene	12.346	95	205776	47.26	ug/l	0.00
Spiked Amount 50.000	Range 58 - 135		Recovery =	94.52%		
Target Compounds						Qvalue
3) Chloromethane	2.037	50	1317	0.27	ug/l #	83
13) Acrolein	3.555	56	858	1.51	ug/l #	52
16) Acetone	3.756	43	22735	13.68	ug/l	96
18) Methyl Acetate	4.260	43	5391	2.29	ug/l #	85
20) Methylene Chloride	4.477	84	13298	3.16	ug/l	94
25) 2-Butanone	6.754	43	6895	2.95	ug/l #	83
29) Tetrahydrofuran	7.135	42	377	0.24	ug/l #	48
31) Cyclohexane	7.591	56	6357	0.93	ug/l #	1
36) 1,1-Dichloropropene	7.591	75	24141	4.89	ug/l #	48
37) Ethyl Acetate	6.754	43	6895	1.32	ug/l #	68
38) Carbon Tetrachloride	7.591	117	30621	6.47	ug/l #	17
43) Isopropyl Acetate	8.095	43	27727	3.33	ug/l #	88
45) 1,2-Dichloropropane	9.208	63	1526	0.37	ug/l #	44
48) Methyl methacrylate	9.117	41	6545	1.80	ug/l #	10
51) 4-Methyl-2-Pentanone	9.922	43	9080	2.01	ug/l	94
54) cis-1,3-Dichloropropene	9.846	75	49792	7.94	ug/l #	61
56) Ethyl methacrylate	10.305	69	289	3.22	ug/l #	27
57) 1,3-Dichloropropane	10.705	76	25305	4.18	ug/l #	43
59) 2-Hexanone	10.707	43	356449	111.79	ug/l #	49
71) Bromoform	12.346	173	1130	0.44	ug/l #	1
76) 1,2,3-Trichloropropane	12.346	75	104502	25.24	ug/l #	100
81) trans-1,4-Dichloro-2-b...	12.346	75	104502	67.59	ug/l #	12
95) Naphthalene	15.092	128	2663	0.31	ug/l #	69

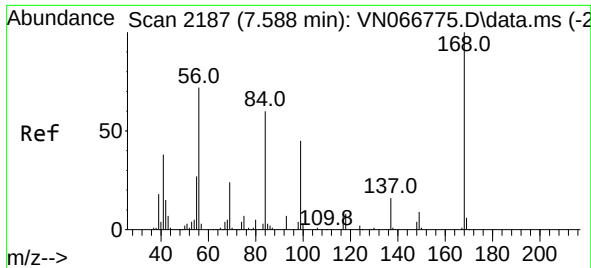
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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Quant Method : Z:\voasrv\HPCHEM1\MSVOA_N\methods\82N042721W.M
Quant Title : SW846 8260
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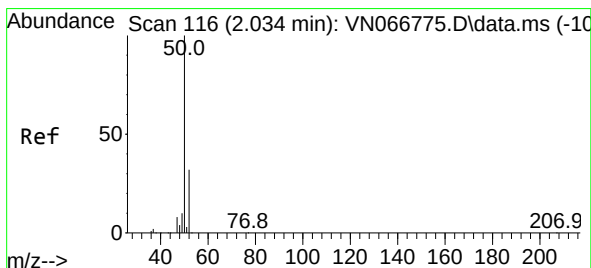
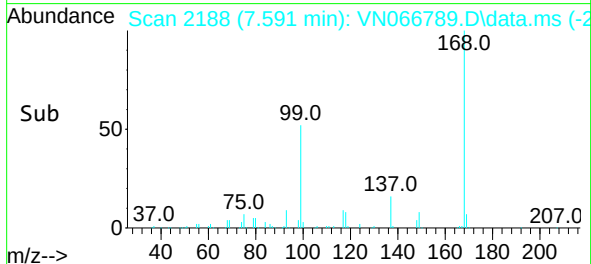
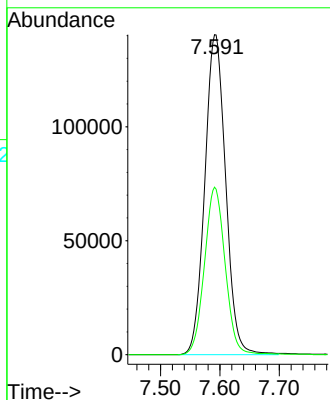
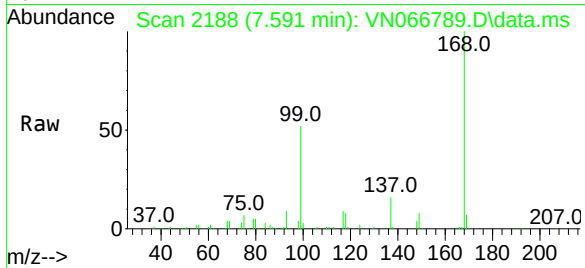




#1
Pentafluorobenzene
Concen: 50.00 ug/l
RT: 7.591 min Scan# 2188
Delta R.T. 0.003 min
Lab File: VN066789.D
Acq: 27 Apr 2021 18:26

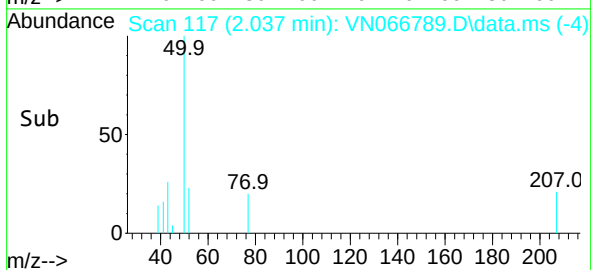
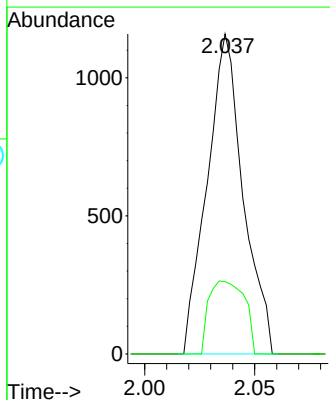
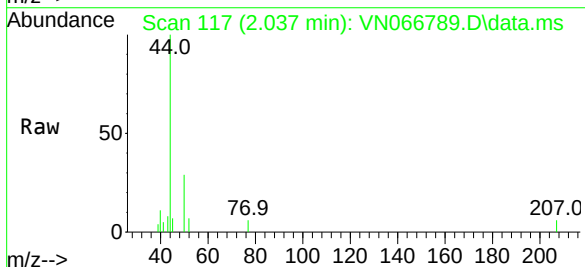
Instrument :
MSVOA_N
ClientSampleId :

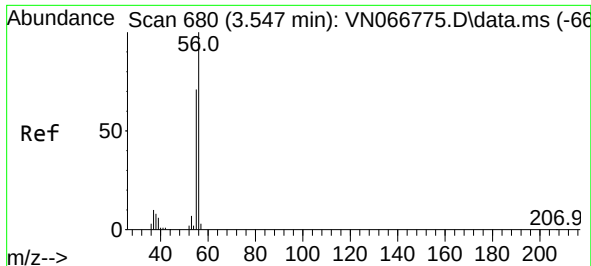
Tgt Ion:168 Resp: 342806
Ion Ratio Lower Upper
168 100
99 52.4 42.6 63.8



#3
Chloromethane
Concen: 0.27 ug/l
RT: 2.037 min Scan# 117
Delta R.T. 0.003 min
Lab File: VN066789.D
Acq: 27 Apr 2021 18:26

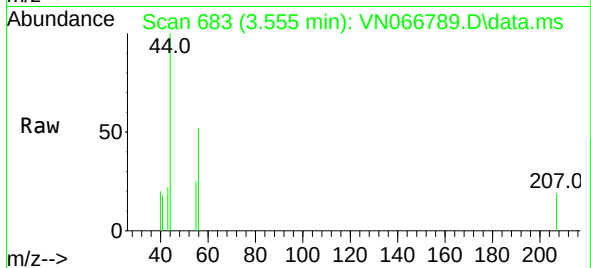
Tgt Ion: 50 Resp: 1317
Ion Ratio Lower Upper
50 100
52 22.6 25.8 38.8#



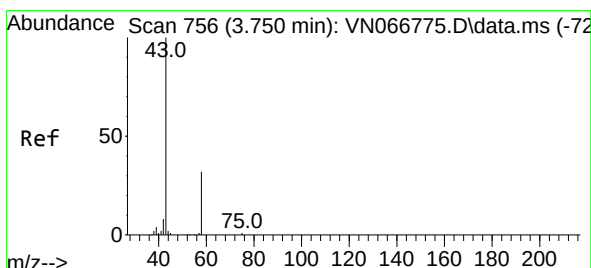
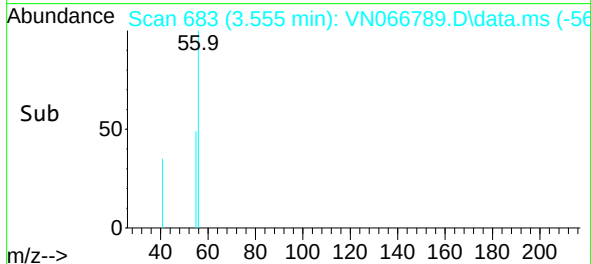
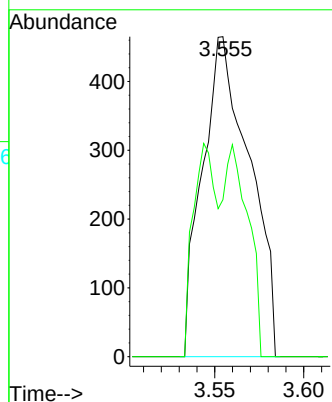


#13
Acrolein
Concen: 1.51 ug/l
RT: 3.555 min Scan# 683
Delta R.T. 0.008 min
Lab File: VN066789.D
Acq: 27 Apr 2021 18:26

Instrument :
MSVOA_N
ClientSampled :

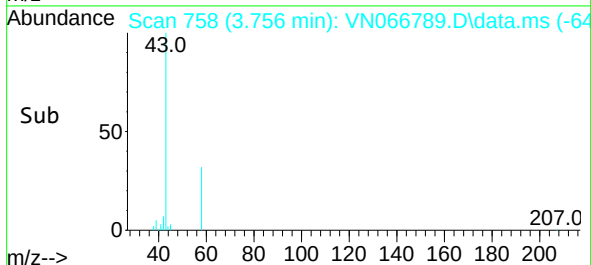
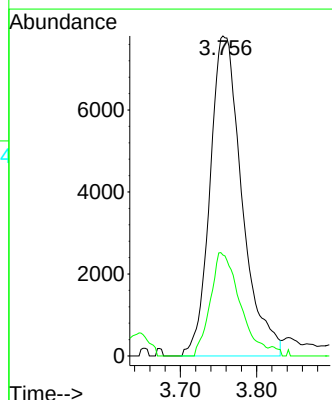
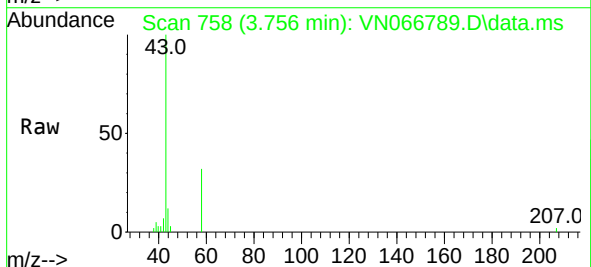


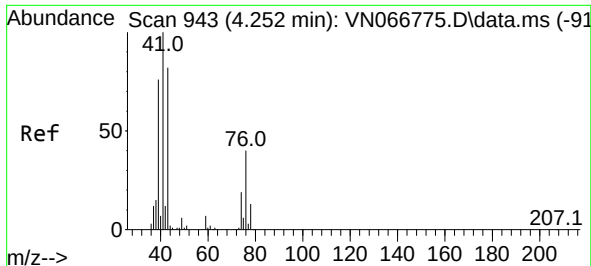
Tgt Ion: 56 Resp: 858
Ion Ratio Lower Upper
56 100
55 30.8 56.0 84.0#



#16
Acetone
Concen: 13.68 ug/l
RT: 3.756 min Scan# 758
Delta R.T. 0.006 min
Lab File: VN066789.D
Acq: 27 Apr 2021 18:26

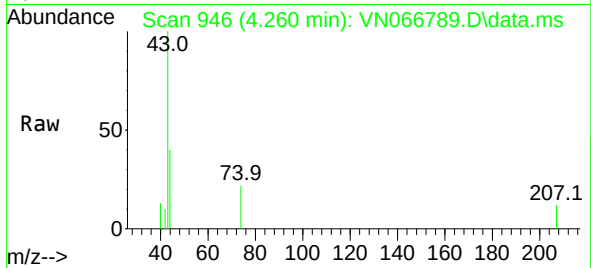
Tgt Ion: 43 Resp: 22735
Ion Ratio Lower Upper
43 100
58 31.6 27.0 40.6



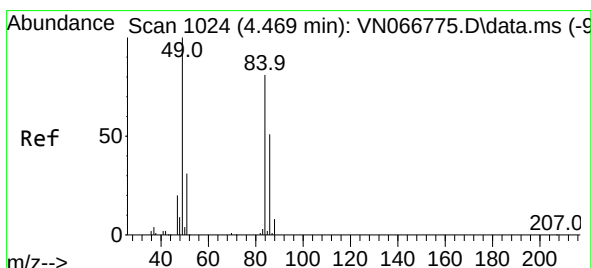
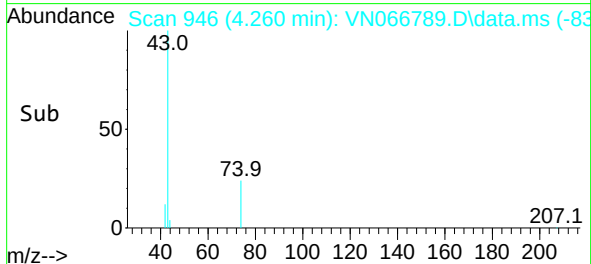
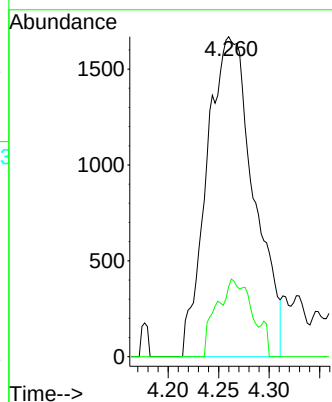


#18
Methyl Acetate
Concen: 2.29 ug/l
RT: 4.260 min Scan# 946
Delta R.T. 0.008 min
Lab File: VN066789.D
Acq: 27 Apr 2021 18:26

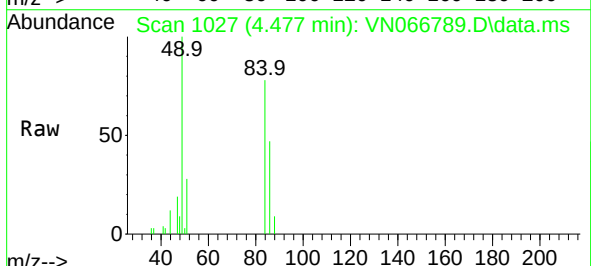
Instrument :
MSVOA_N
ClientSampleId :



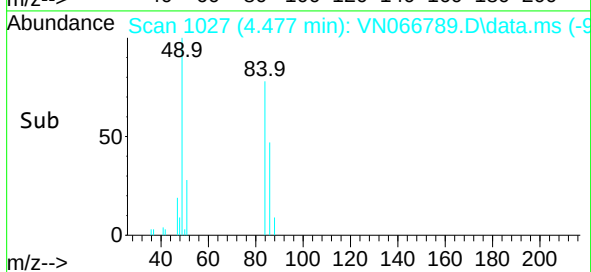
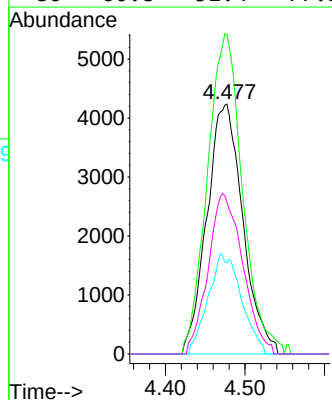
Tgt Ion: 43 Resp: 5391
Ion Ratio Lower Upper
43 100
74 17.1 19.5 29.3#

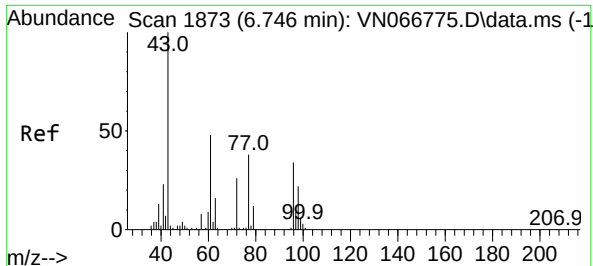


#20
Methylene Chloride
Concen: 3.16 ug/l
RT: 4.477 min Scan# 1027
Delta R.T. 0.008 min
Lab File: VN066789.D
Acq: 27 Apr 2021 18:26



Tgt Ion: 84 Resp: 13298
Ion Ratio Lower Upper
84 100
49 128.1 94.6 141.8
51 36.5 29.9 44.9
86 60.8 51.4 77.2

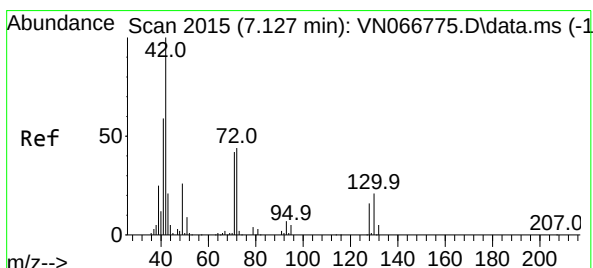
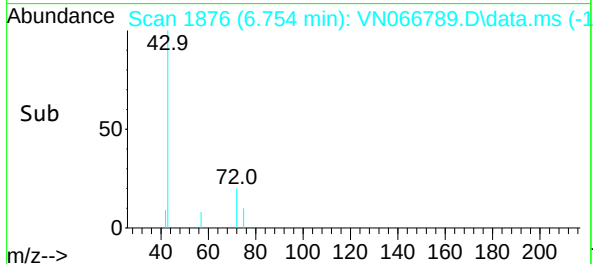
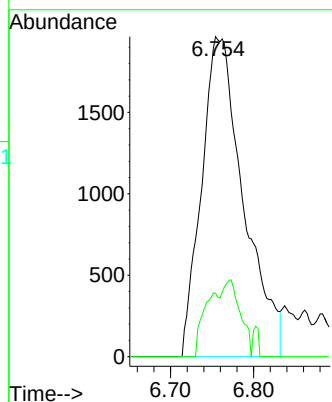
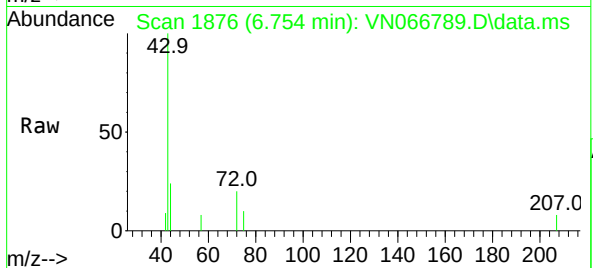




#25
2-Butanone
Concen: 2.95 ug/l
RT: 6.754 min Scan# 1876
Delta R.T. 0.008 min
Lab File: VN066789.D
Acq: 27 Apr 2021 18:26

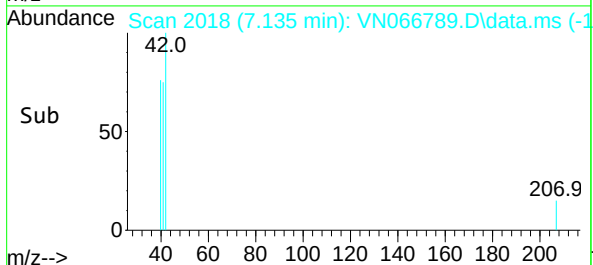
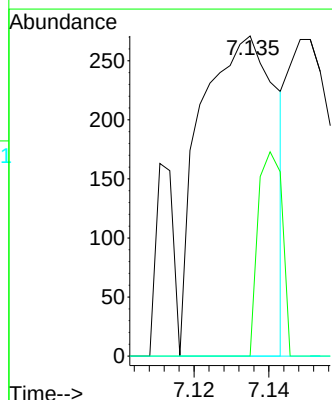
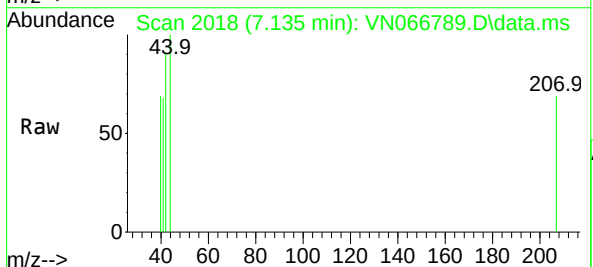
Instrument :
MSVOA_N
ClientSampled :

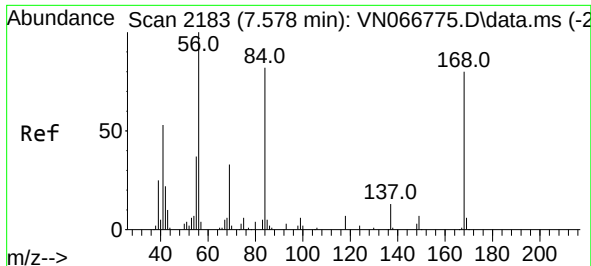
Tgt Ion: 43 Resp: 6895
Ion Ratio Lower Upper
43 100
72 19.8 23.1 34.7#



#29
Tetrahydrofuran
Concen: 0.24 ug/l
RT: 7.135 min Scan# 2018
Delta R.T. 0.008 min
Lab File: VN066789.D
Acq: 27 Apr 2021 18:26

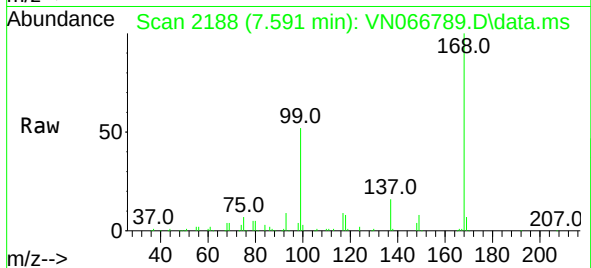
Tgt Ion: 42 Resp: 377
Ion Ratio Lower Upper
42 100
72 20.4 36.6 55.0#
71 0.0 34.3 51.5#



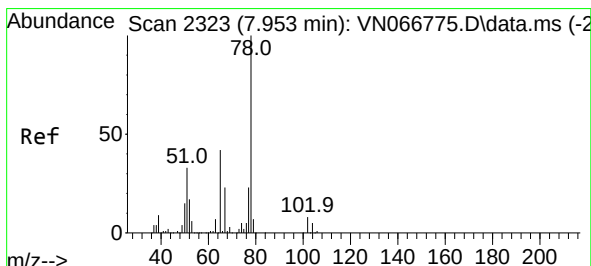
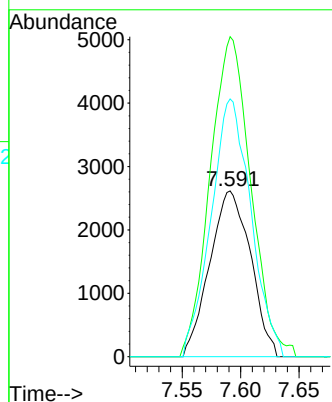
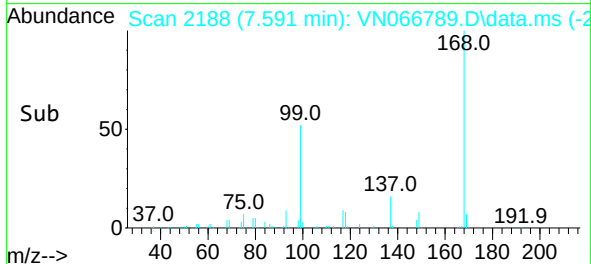


#31
Cyclohexane
Concen: 0.93 ug/l
RT: 7.591 min Scan# 2188
Delta R.T. 0.013 min
Lab File: VN066789.D
Acq: 27 Apr 2021 18:26

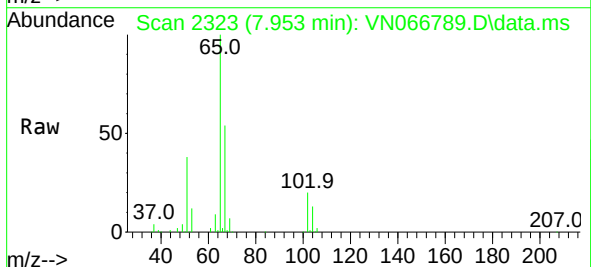
Instrument :
MSVOA_N
ClientSampled :



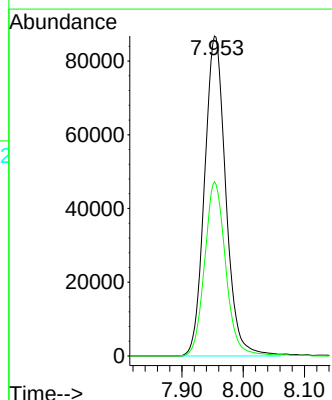
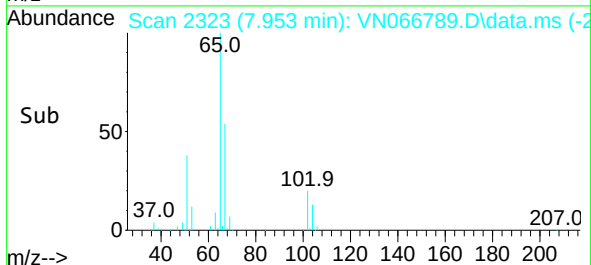
Tgt Ion: 56 Resp: 6357
Ion Ratio Lower Upper
56 100
69 193.0 26.6 39.8#
84 155.4 70.4 105.6#

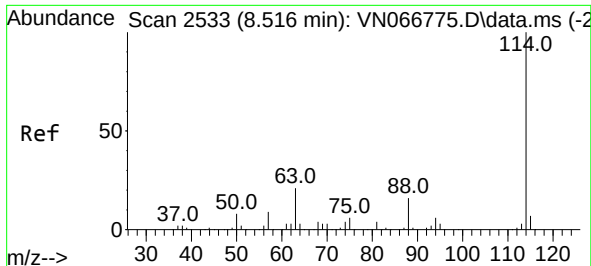


#33
1,2-Dichloroethane-d4
Concen: 47.45 ug/l
RT: 7.953 min Scan# 2323
Delta R.T. -0.000 min
Lab File: VN066789.D
Acq: 27 Apr 2021 18:26



Tgt Ion: 65 Resp: 209012
Ion Ratio Lower Upper
65 100
67 53.9 0.0 107.2

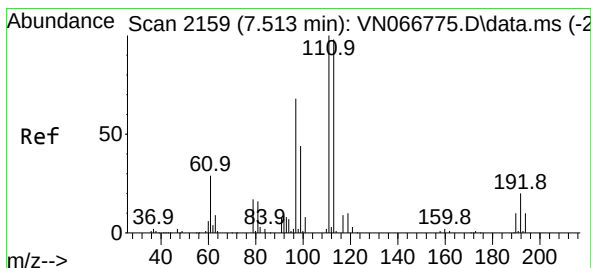
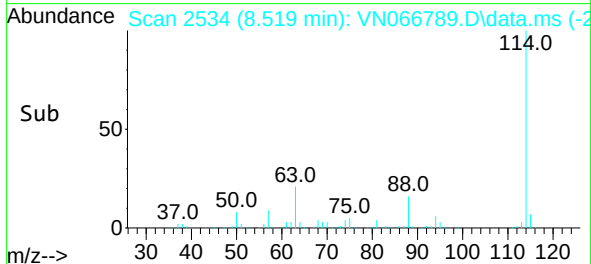
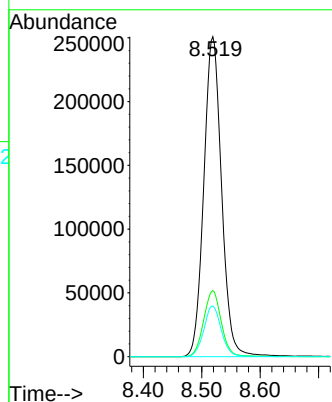
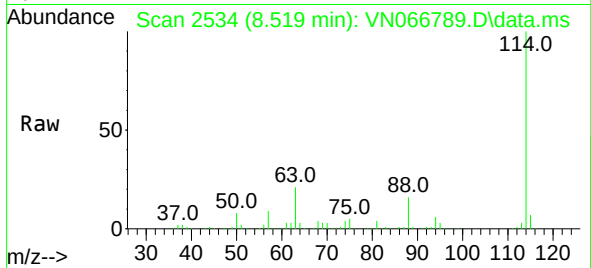




#34
1,4-Difluorobenzene
Concen: 50.00 ug/l
RT: 8.519 min Scan# 2534
Delta R.T. 0.003 min
Lab File: VN066789.D
Acq: 27 Apr 2021 18:26

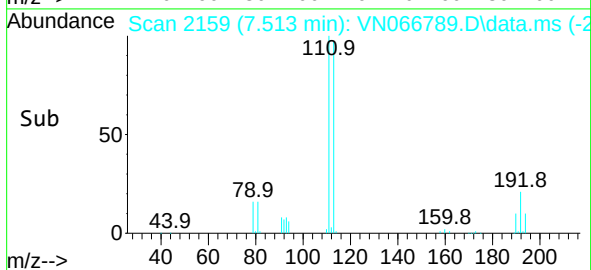
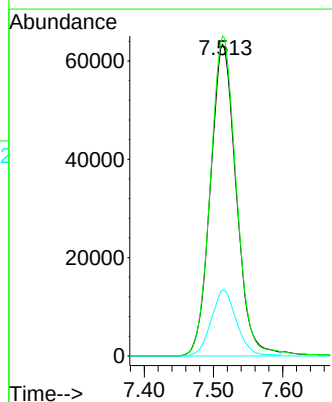
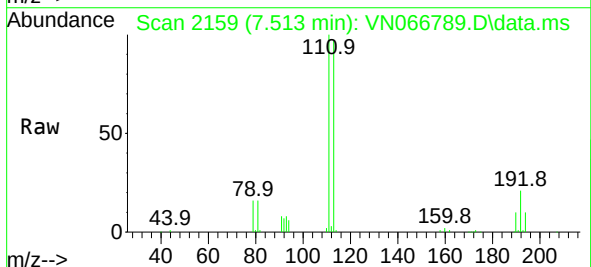
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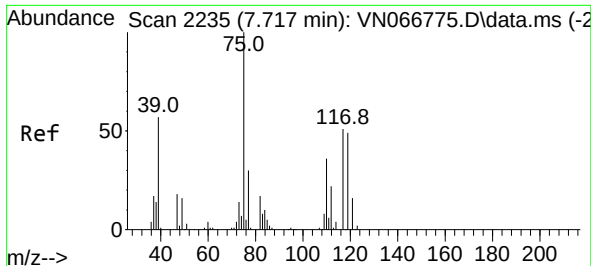
Tgt Ion:114 Resp: 531086
Ion Ratio Lower Upper
114 100
63 20.7 0.0 38.6
88 15.8 0.0 30.6



#35
Dibromofluoromethane
Concen: 50.09 ug/l
RT: 7.513 min Scan# 2159
Delta R.T. 0.000 min
Lab File: VN066789.D
Acq: 27 Apr 2021 18:26

Tgt Ion:113 Resp: 164207
Ion Ratio Lower Upper
113 100
111 103.9 82.2 123.2
192 20.7 15.4 23.0

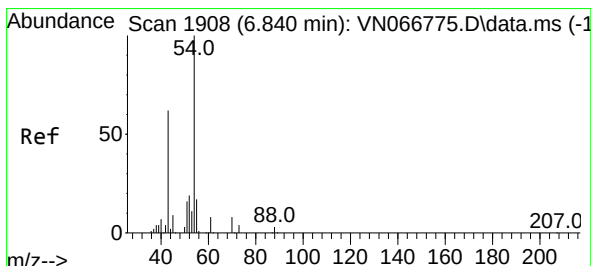
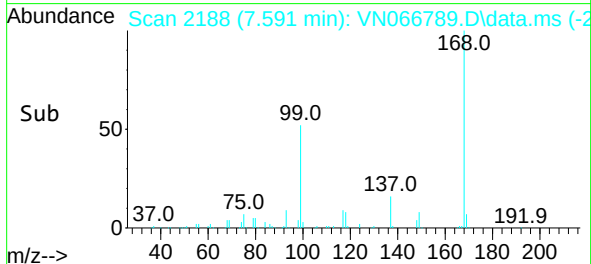
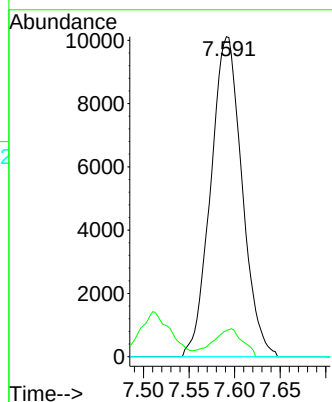
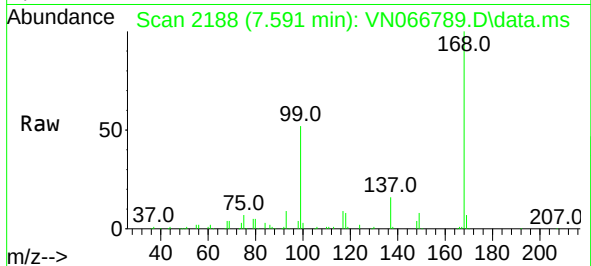




#36
1,1-Dichloropropene
Concen: 4.89 ug/l
RT: 7.591 min Scan# 2188
Delta R.T. -0.126 min
Lab File: VN066789.D
Acq: 27 Apr 2021 18:26

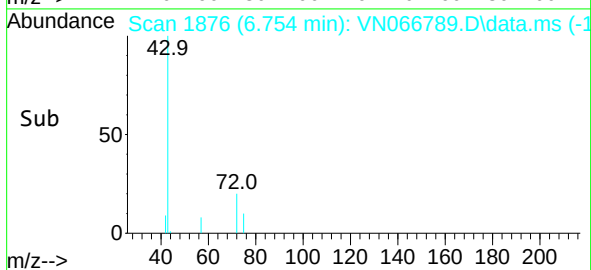
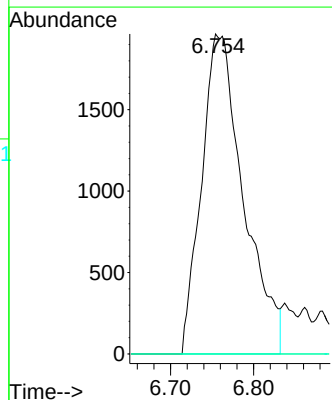
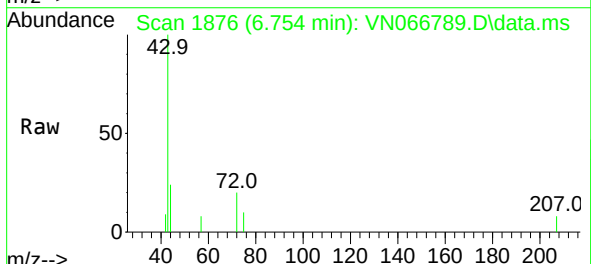
Instrument :
MSVOA_N
ClientSampleId :

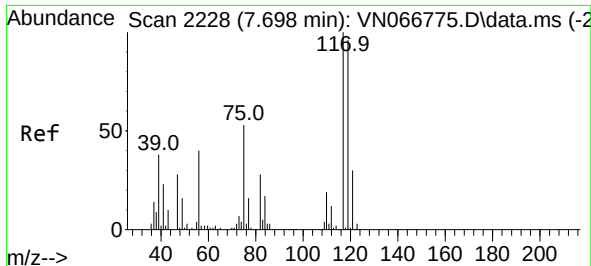
Tgt Ion: 75 Resp: 24141
Ion Ratio Lower Upper
75 100
110 8.3 18.2 54.6#
77 0.0 24.9 37.3#



#37
Ethyl Acetate
Concen: 1.32 ug/l
RT: 6.754 min Scan# 1876
Delta R.T. -0.086 min
Lab File: VN066789.D
Acq: 27 Apr 2021 18:26

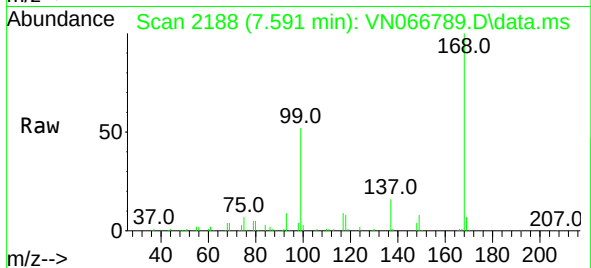
Tgt Ion: 43 Resp: 6895
Ion Ratio Lower Upper
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61 0.0 11.6 17.4#
70 0.0 8.6 13.0#



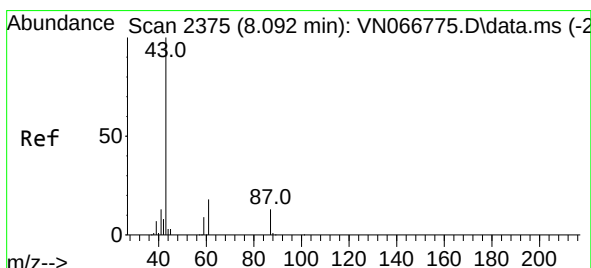
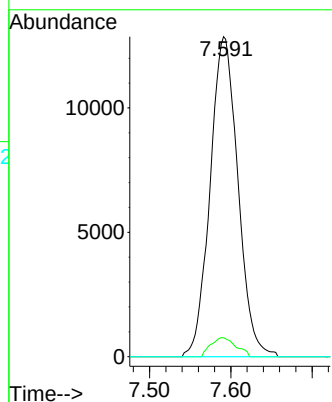
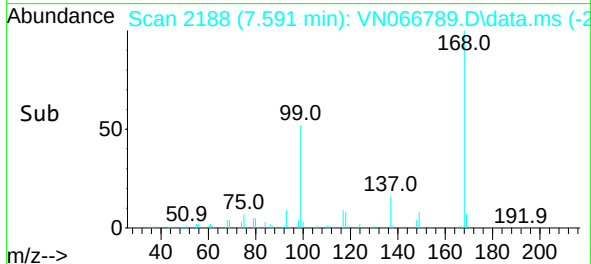


#38
Carbon Tetrachloride
Concen: 6.47 ug/l
RT: 7.591 min Scan# 2188
Delta R.T. -0.107 min
Lab File: VN066789.D
Acq: 27 Apr 2021 18:26

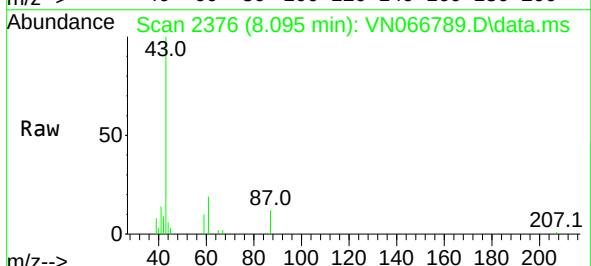
Instrument :
MSVOA_N
ClientSampleId :



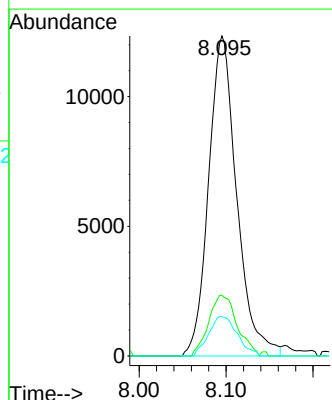
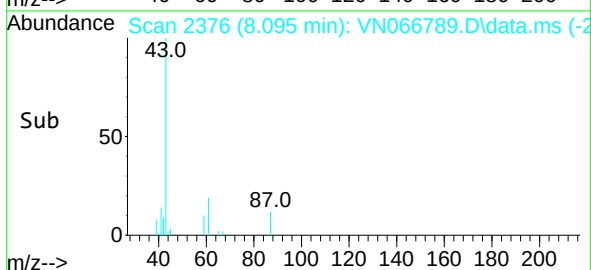
Tgt Ion:117 Resp: 30621
Ion Ratio Lower Upper
117 100
119 5.9 76.0 114.0#
121 0.0 24.5 36.7#

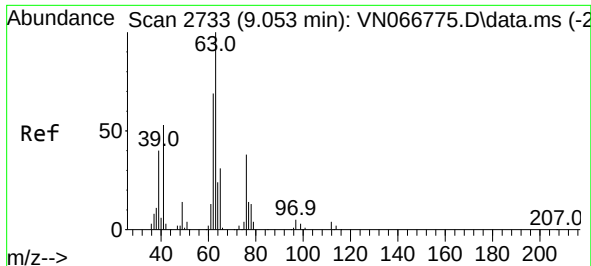


#43
Isopropyl Acetate
Concen: 3.33 ug/l
RT: 8.095 min Scan# 2376
Delta R.T. 0.003 min
Lab File: VN066789.D
Acq: 27 Apr 2021 18:26



Tgt Ion: 43 Resp: 27727
Ion Ratio Lower Upper
43 100
61 19.2 22.5 33.7#
87 12.5 11.1 16.7

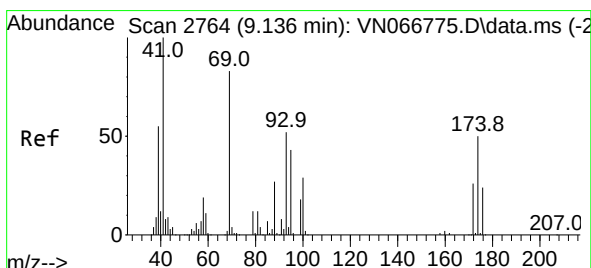
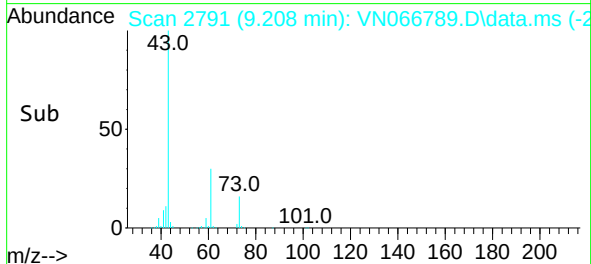
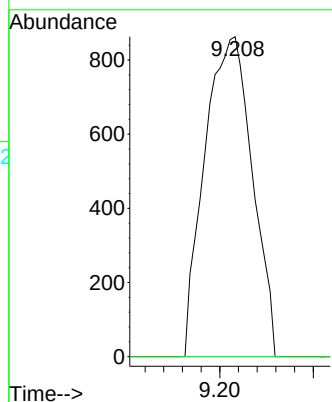
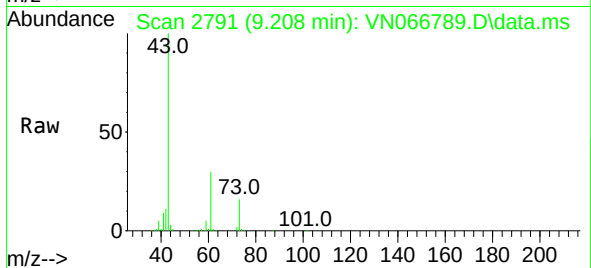




#45
1,2-Dichloropropane
Concen: 0.37 ug/l
RT: 9.208 min Scan# 2791
Delta R.T. 0.155 min
Lab File: VN066789.D
Acq: 27 Apr 2021 18:26

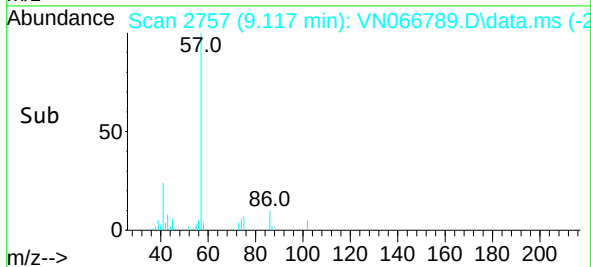
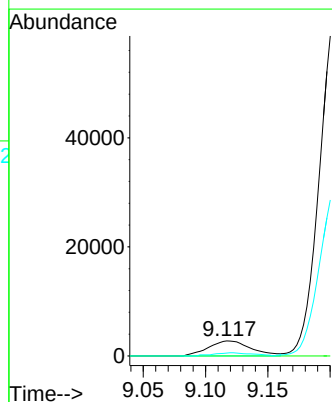
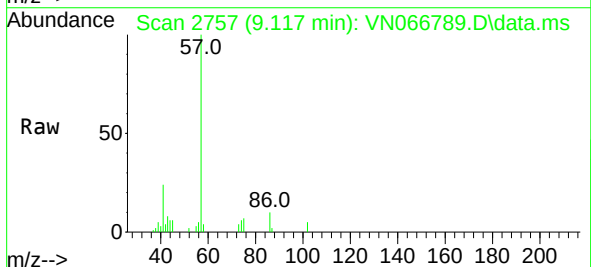
Instrument :
MSVOA_N
ClientSampled :

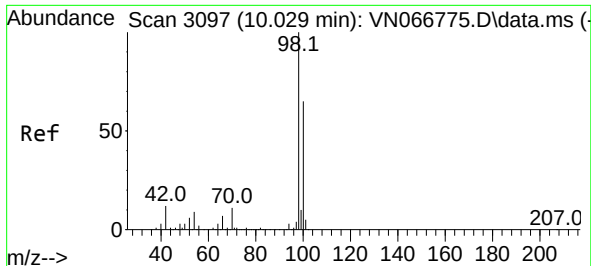
Tgt Ion: 63 Resp: 1526
Ion Ratio Lower Upper
63 100
65 0.0 24.9 37.3#



#48
Methyl methacrylate
Concen: 1.80 ug/l
RT: 9.117 min Scan# 2757
Delta R.T. -0.019 min
Lab File: VN066789.D
Acq: 27 Apr 2021 18:26

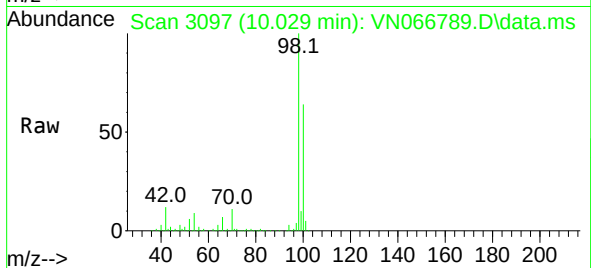
Tgt Ion: 41 Resp: 6545
Ion Ratio Lower Upper
41 100
69 0.0 75.9 113.9#
39 0.0 46.6 69.8#



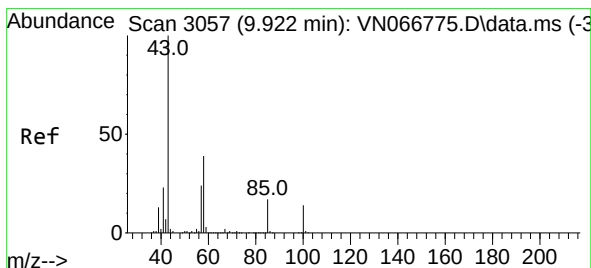
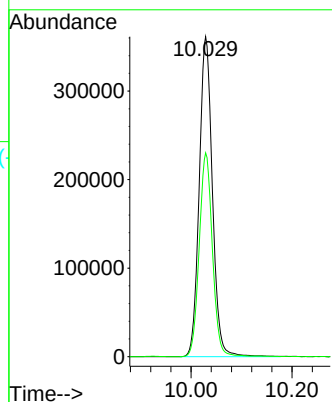
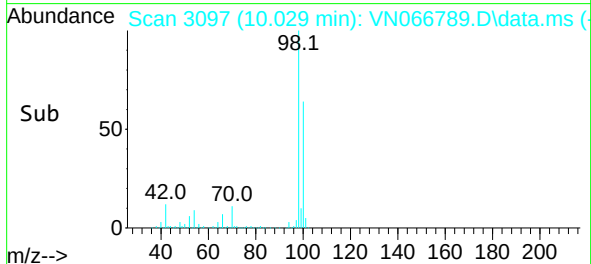


#50
Toluene-d8
Concen: 50.86 ug/l
RT: 10.029 min Scan# 3097
Delta R.T. -0.000 min
Lab File: VN066789.D
Acq: 27 Apr 2021 18:26

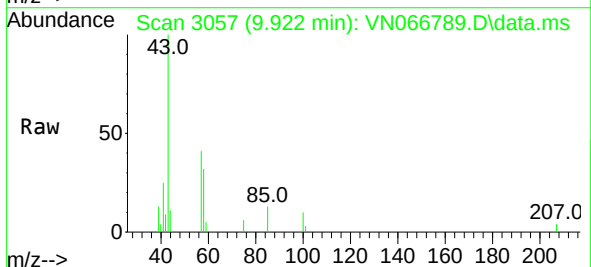
Instrument :
MSVOA_N
ClientSampled :



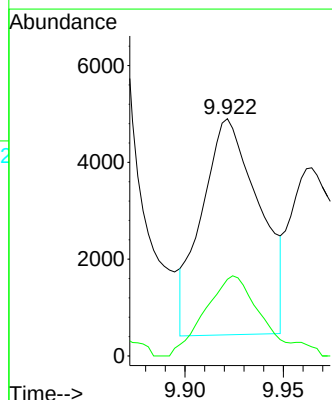
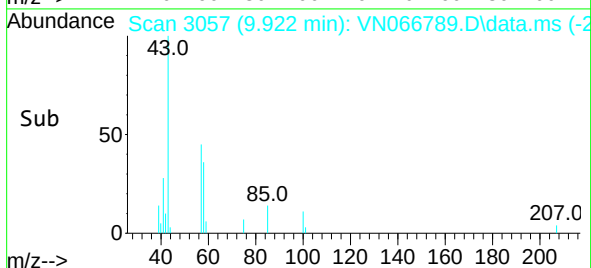
Tgt Ion: 98 Resp: 654519
Ion Ratio Lower Upper
98 100
100 64.0 50.5 75.7

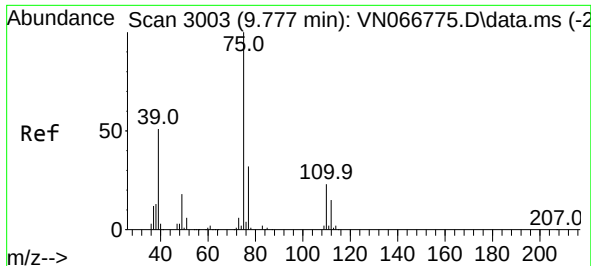


#51
4-Methyl-2-Pentanone
Concen: 2.01 ug/l
RT: 9.922 min Scan# 3057
Delta R.T. -0.000 min
Lab File: VN066789.D
Acq: 27 Apr 2021 18:26



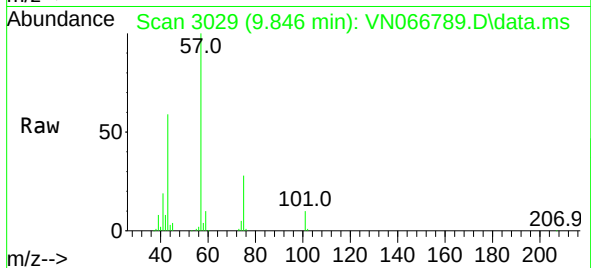
Tgt Ion: 43 Resp: 9080
Ion Ratio Lower Upper
43 100
58 37.0 32.5 48.7



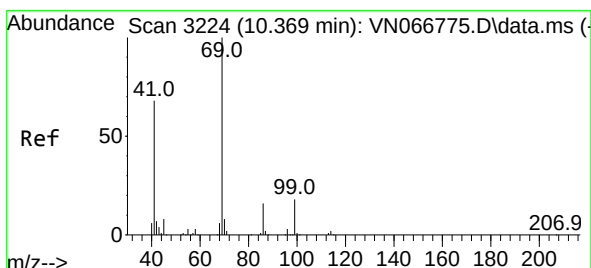
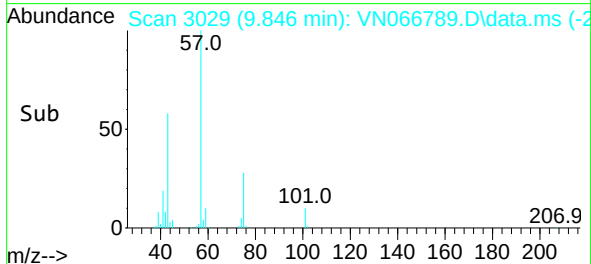
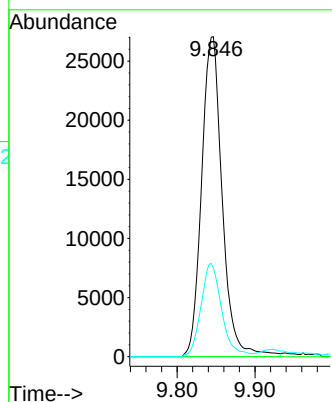


#54
 cis-1,3-Dichloropropene
 Concen: 7.94 ug/l
 RT: 9.846 min Scan# 3029
 Delta R.T. 0.069 min
 Lab File: VN066789.D
 Acq: 27 Apr 2021 18:26

Instrument :
 MSVOA_N
 ClientSampled :

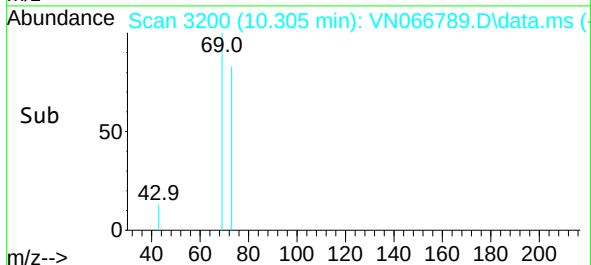
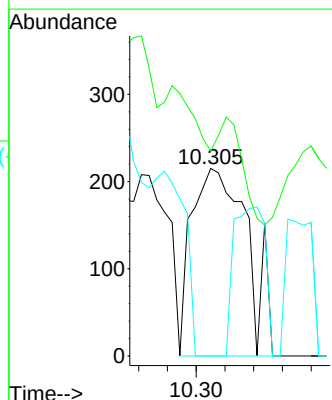
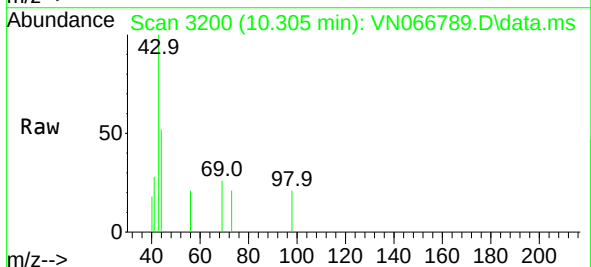


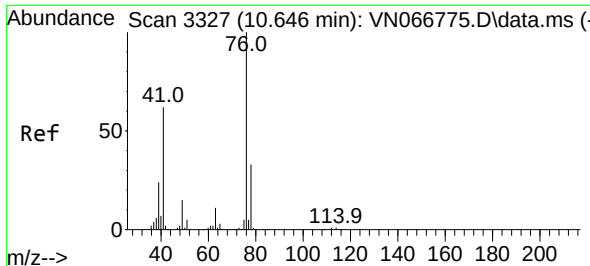
Tgt Ion: 75 Resp: 49792
 Ion Ratio Lower Upper
 75 100
 77 0.0 24.9 37.3#
 39 27.8 36.2 54.4#



#56
 Ethyl methacrylate
 Concen: 3.22 ug/l
 RT: 10.305 min Scan# 3200
 Delta R.T. -0.064 min
 Lab File: VN066789.D
 Acq: 27 Apr 2021 18:26

Tgt Ion: 69 Resp: 289
 Ion Ratio Lower Upper
 69 100
 41 0.0 49.6 74.4#
 39 0.0 28.0 42.0#

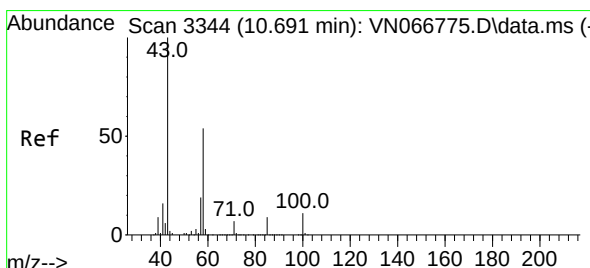
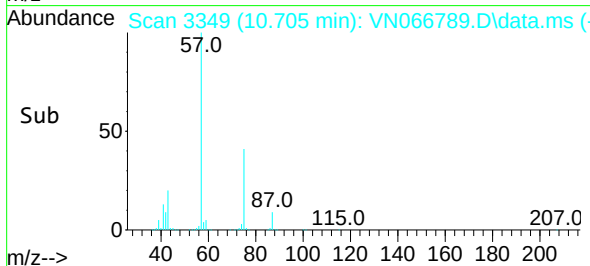
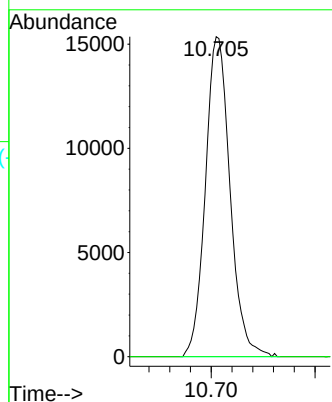
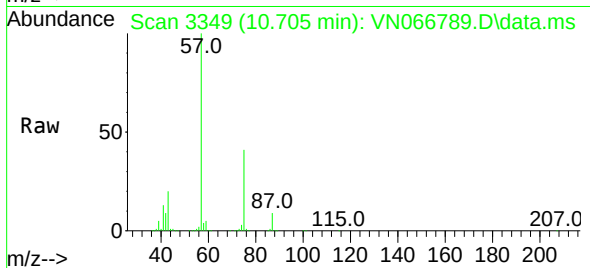




#57
1,3-Dichloropropane
Concen: 4.18 ug/l
RT: 10.705 min Scan# 3349
Delta R.T. 0.059 min
Lab File: VN066789.D
Acq: 27 Apr 2021 18:26

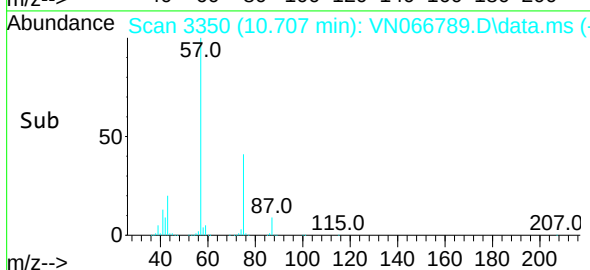
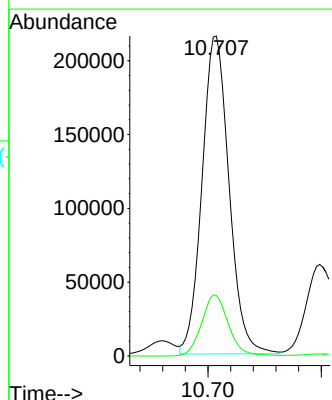
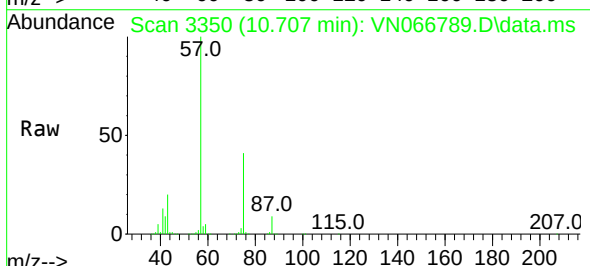
Instrument :
MSVOA_N
ClientSampled :

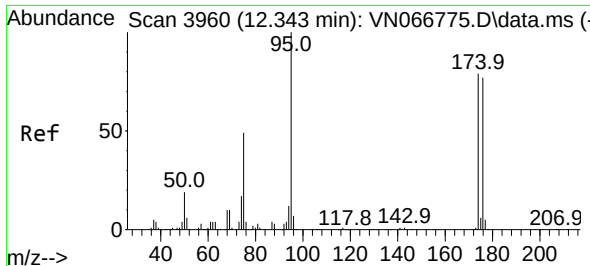
Tgt Ion: 76 Resp: 25305
Ion Ratio Lower Upper
76 100
78 0.0 25.7 38.5#



#59
2-Hexanone
Concen: 111.79 ug/l
RT: 10.707 min Scan# 3350
Delta R.T. 0.016 min
Lab File: VN066789.D
Acq: 27 Apr 2021 18:26

Tgt Ion: 43 Resp: 356449
Ion Ratio Lower Upper
43 100
58 19.1 28.1 84.3#

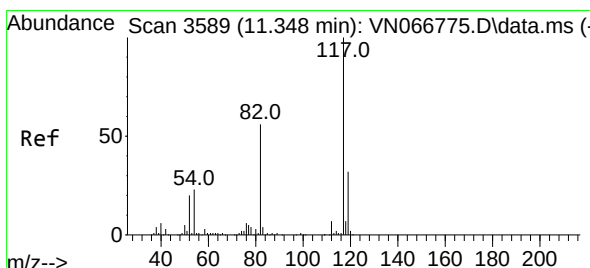
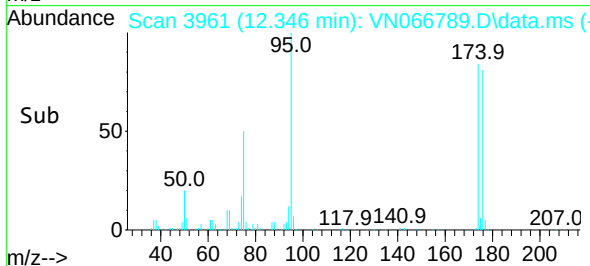
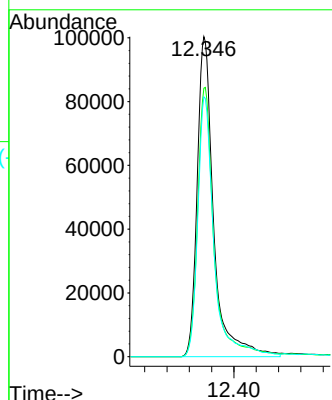
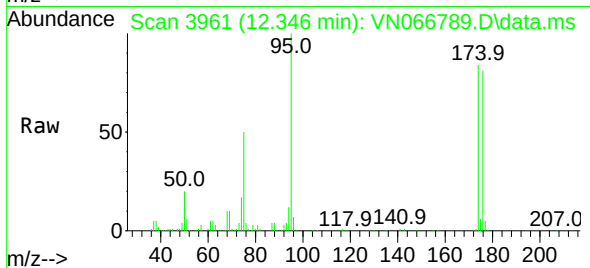




#62
4-Bromofluorobenzene
Concen: 47.26 ug/l
RT: 12.346 min Scan# 3961
Delta R.T. 0.003 min
Lab File: VN066789.D
Acq: 27 Apr 2021 18:26

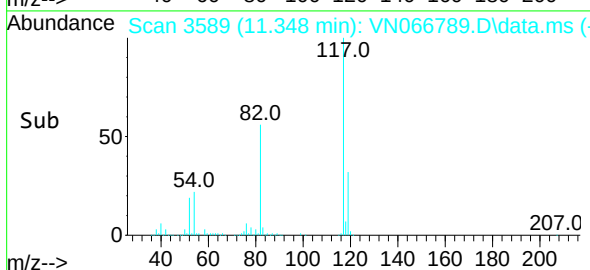
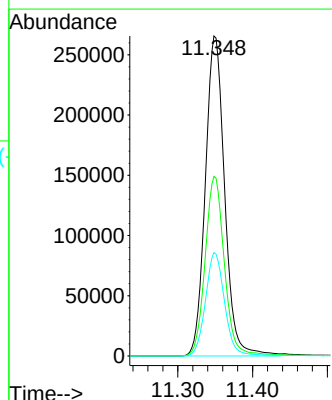
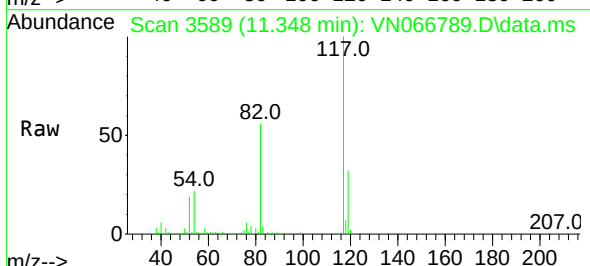
Instrument :
MSVOA_N
ClientSampled :

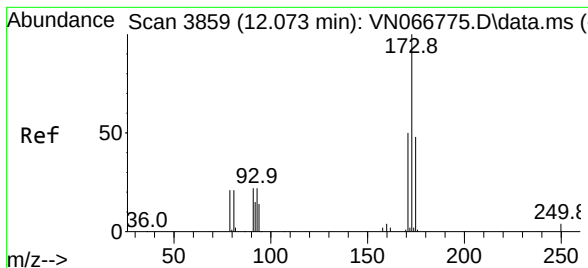
Tgt Ion: 95 Resp: 205776
Ion Ratio Lower Upper
95 100
174 83.5 0.0 169.0
176 80.3 0.0 162.4



#63
Chlorobenzene-d5
Concen: 50.00 ug/l
RT: 11.348 min Scan# 3589
Delta R.T. 0.000 min
Lab File: VN066789.D
Acq: 27 Apr 2021 18:26

Tgt Ion: 117 Resp: 477766
Ion Ratio Lower Upper
117 100
82 56.1 43.7 65.5
119 32.3 26.1 39.1

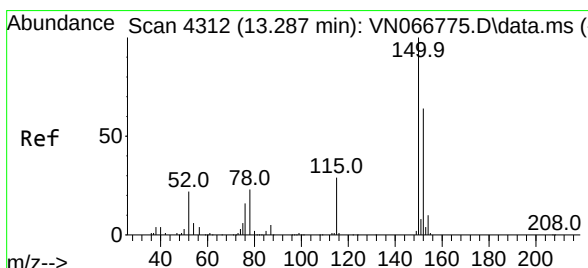
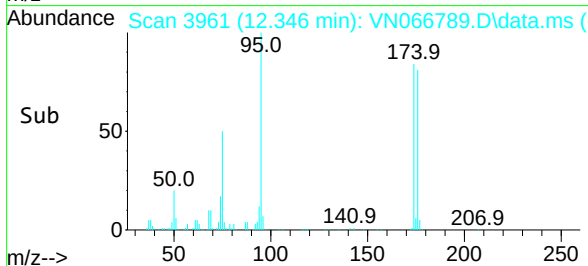
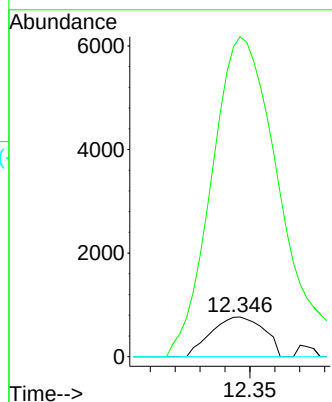
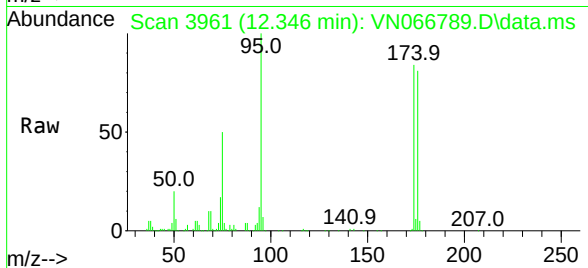




#71
Bromoform
Concen: 0.44 ug/l
RT: 12.346 min Scan# 3961
Delta R.T. 0.273 min
Lab File: VN066789.D
Acq: 27 Apr 2021 18:26

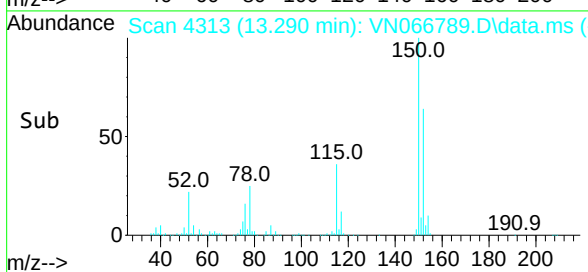
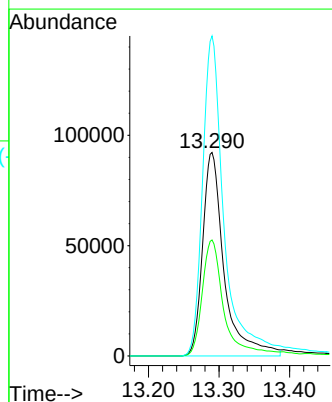
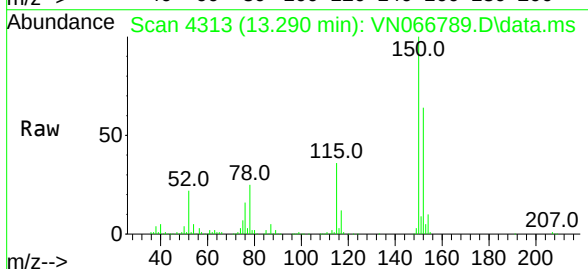
Instrument :
MSVOA_N
ClientSampleId :

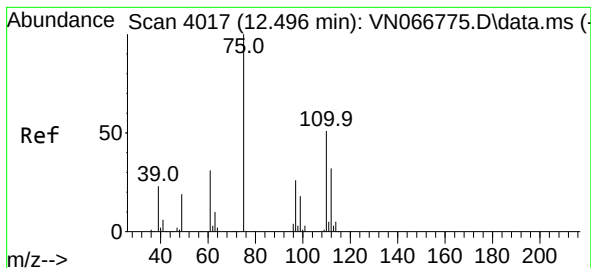
Tgt Ion:173 Resp: 1130
Ion Ratio Lower Upper
173 100
175 886.6 23.8 71.2#
254 0.0 0.0 0.0



#72
1,4-Dichlorobenzene-d4
Concen: 50.00 ug/l
RT: 13.290 min Scan# 4313
Delta R.T. 0.003 min
Lab File: VN066789.D
Acq: 27 Apr 2021 18:26

Tgt Ion:152 Resp: 196454
Ion Ratio Lower Upper
152 100
115 57.1 28.5 85.6
150 163.0 0.0 347.6

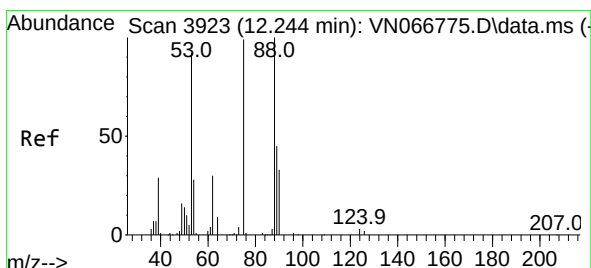
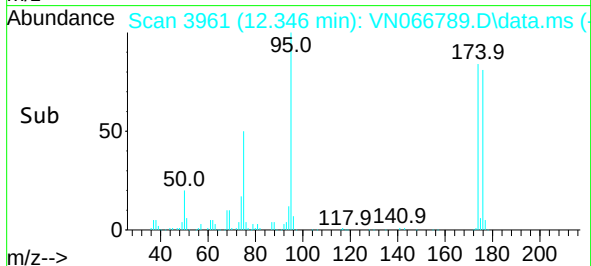
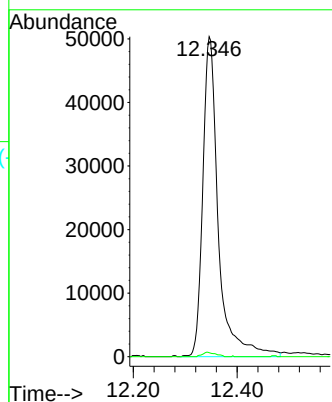
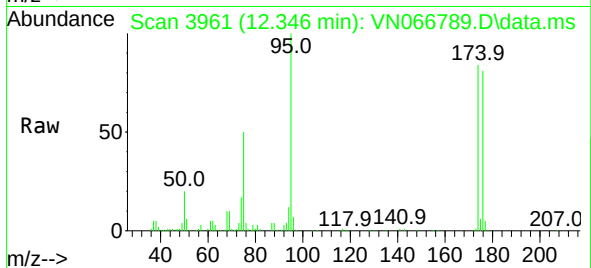




#76
1,2,3-Trichloropropane
Concen: 25.24 ug/l
RT: 12.346 min Scan# 3961
Delta R.T. -0.150 min
Lab File: VN066789.D
Acq: 27 Apr 2021 18:26

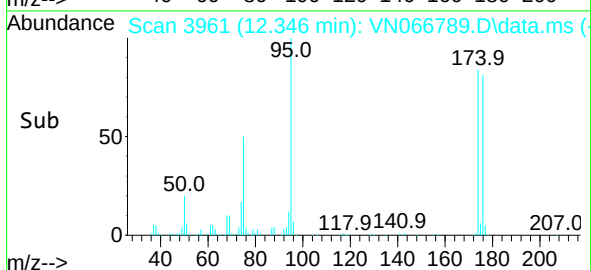
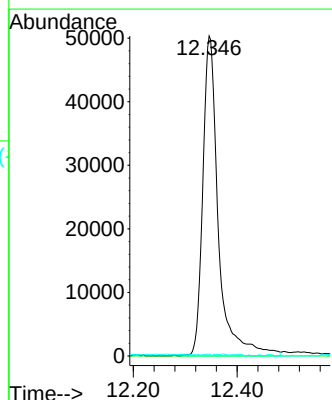
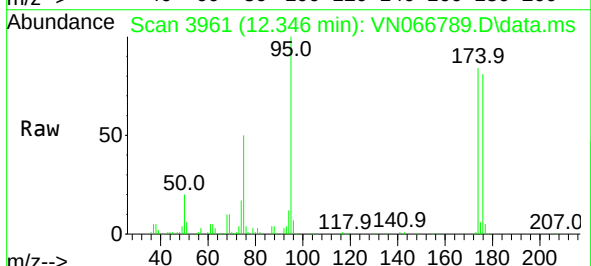
Instrument :
MSVOA_N
ClientSampled :

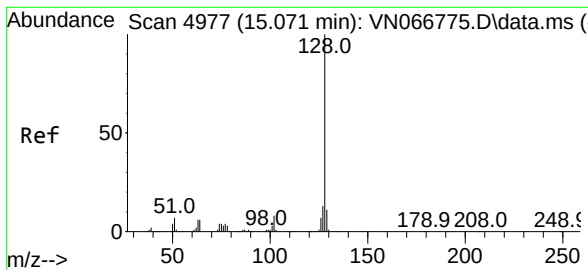
Tgt Ion: 75 Resp: 104502
Ion Ratio Lower Upper
75 100
77 1.2 0.0 0.0#



#81
trans-1,4-Dichloro-2-butene
Concen: 67.59 ug/l
RT: 12.346 min Scan# 3961
Delta R.T. 0.102 min
Lab File: VN066789.D
Acq: 27 Apr 2021 18:26

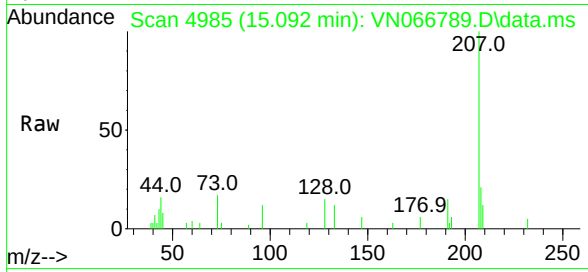
Tgt Ion: 75 Resp: 104502
Ion Ratio Lower Upper
75 100
53 0.0 74.6 111.8#
89 0.3 35.8 53.8#





#95
Naphthalene
Concen: 0.31 ug/l
RT: 15.092 min Scan# 4985
Delta R.T. 0.021 min
Lab File: VN066789.D
Acq: 27 Apr 2021 18:26

Instrument :
MSVOA_N
ClientSampleId :



Tgt Ion:	128	Resp:	2663
Ion	Ratio	Lower	Upper
128	100		
127	0.0	10.2	15.2#
129	0.0	8.6	13.0#

