

Data Path : Z:\voasrv\HPCHEM1\MSVOA_N\Data\VN041921\
 Data File : VN066660.D
 Acq On : 19 Apr 2021 14:19
 Operator : JC/MD
 Sample : M2075-11
 Misc : 5.00mL/MSVOA_N/WATER
 ALS Vial : 11 Sample Multiplier: 1

Instrument :
 MSVOA_N
 ClientSampleId :

Quant Time: Apr 20 04:56:11 2021
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA_N\methods\82N041521W.M
 Quant Title : SW846 8260
 QLast Update : Thu Apr 15 19:16:35 2021
 Response via : Initial Calibration

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

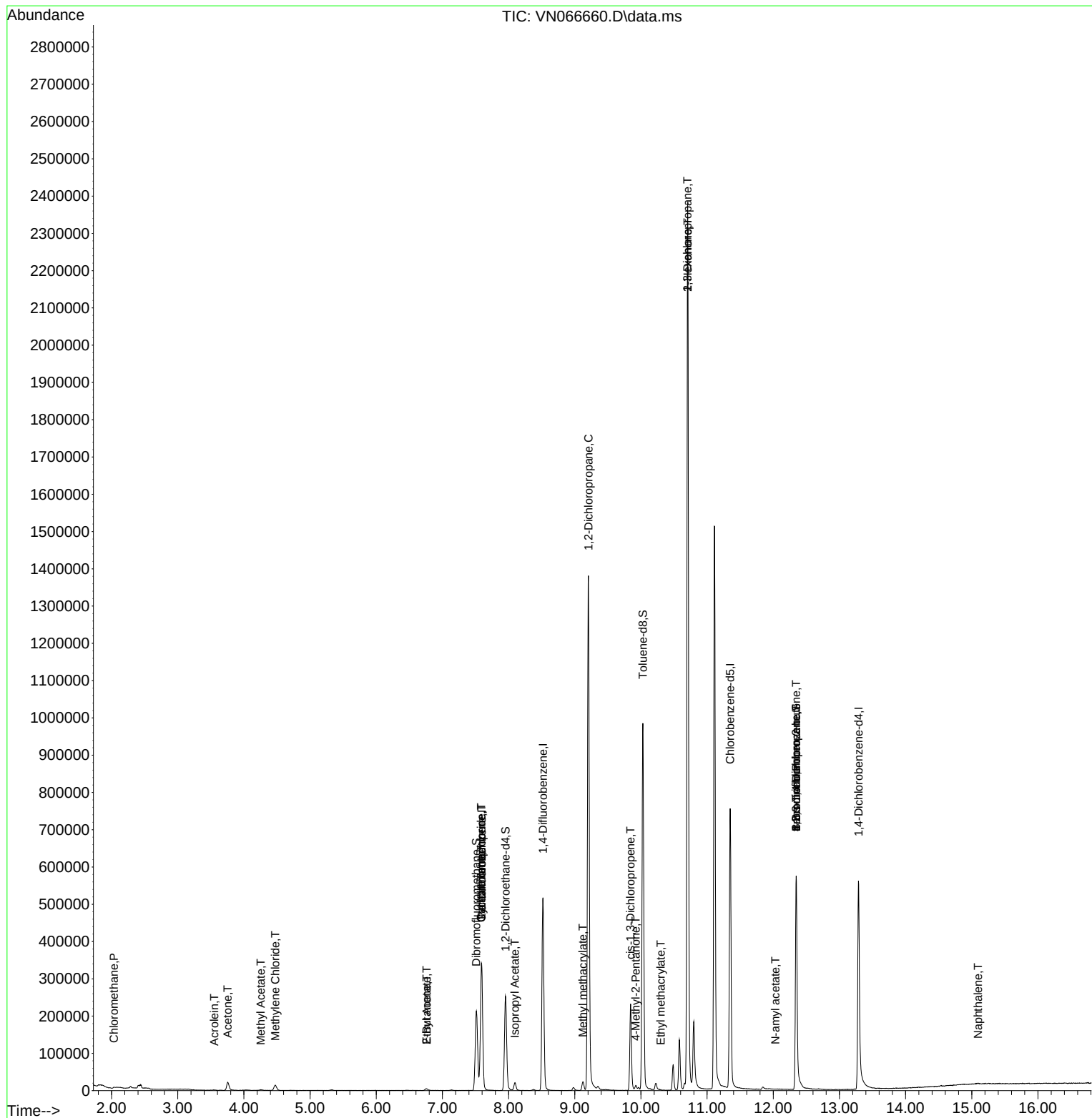
Internal Standards						
1) Pentafluorobenzene	7.594	168	294803	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	8.519	114	471191	50.00	ug/l	0.00
63) Chlorobenzene-d5	11.348	117	444888	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.287	152	192409	50.00	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	7.953	65	216109	48.59	ug/l	0.00
Spiked Amount 50.000	Range 61 - 141		Recovery =	97.18%		
35) Dibromofluoromethane	7.513	113	172084	52.66	ug/l	0.00
Spiked Amount 50.000	Range 69 - 133		Recovery =	105.32%		
50) Toluene-d8	10.029	98	682718	53.31	ug/l	0.00
Spiked Amount 50.000	Range 65 - 126		Recovery =	106.62%		
62) 4-Bromofluorobenzene	12.346	95	223744	49.69	ug/l	0.00
Spiked Amount 50.000	Range 58 - 135		Recovery =	99.38%		
Target Compounds						Qvalue
3) Chloromethane	2.037	50	1338	0.26	ug/l #	87
13) Acrolein	3.552	56	700	1.84	ug/l	91
16) Acetone	3.756	43	38167	16.05	ug/l	94
18) Methyl Acetate	4.252	43	1973	0.41	ug/l #	88
20) Methylene Chloride	4.475	84	10698	2.55	ug/l	95
25) 2-Butanone	6.760	43	10456	3.99	ug/l	98
31) Cyclohexane	7.588	56	5554	0.87	ug/l #	1
36) 1,1-Dichloropropene	7.591	75	21510	4.53	ug/l #	48
37) Ethyl Acetate	6.760	43	10456	1.94	ug/l #	68
38) Carbon Tetrachloride	7.588	117	25839	5.81	ug/l #	18
43) Isopropyl Acetate	8.095	43	26737	2.97	ug/l #	85
45) 1,2-Dichloropropane	9.208	63	1700	0.40	ug/l #	44
48) Methyl methacrylate	9.120	41	6324	1.56	ug/l #	10
51) 4-Methyl-2-Pentanone	9.922	43	6037	1.14	ug/l #	75
54) cis-1,3-Dichloropropene	9.844	75	41414	6.67	ug/l #	64
56) Ethyl methacrylate	10.300	69	49	0.90	ug/l #	27
57) 1,3-Dichloropropane	10.705	76	23923	3.85	ug/l #	43
59) 2-Hexanone	10.707	43	355119	97.19	ug/l #	49
71) Bromoform	12.346	173	1511	0.57	ug/l #	1
74) N-amyl acetate	12.032	43	106	9.74	ug/l #	42
76) 1,2,3-Trichloropropane	12.346	75	113683	25.27	ug/l #	100
81) trans-1,4-Dichloro-2-b...	12.346	75	113683	78.00	ug/l #	12
88) 1,4-Dichlorobenzene	13.309	146	188	Below Cal	#	25
95) Naphthalene	15.092	128	2303	0.23	ug/l #	77

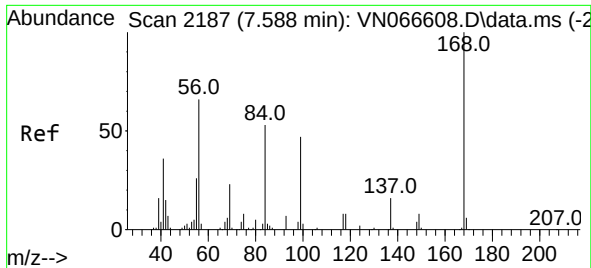
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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ClientSampleId :

Quant Time: Apr 20 04:56:11 2021
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_N\methods\82N041521W.M
Quant Title : SW846 8260
QLast Update : Thu Apr 15 19:16:35 2021
Response via : Initial Calibration

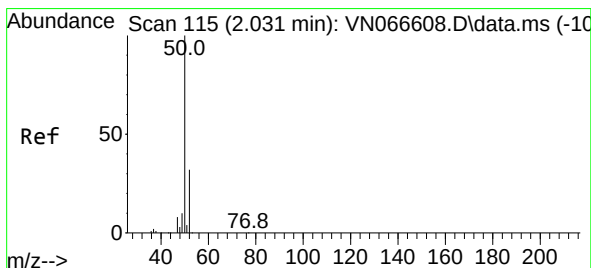
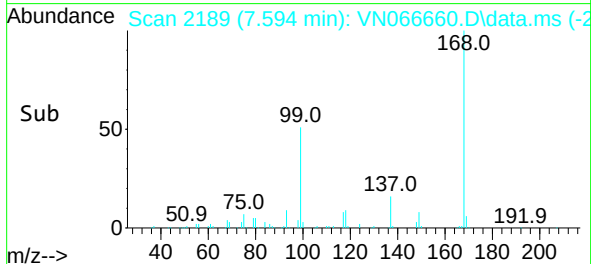
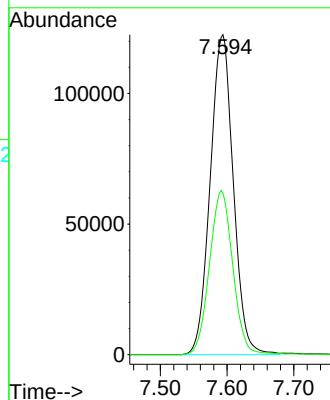
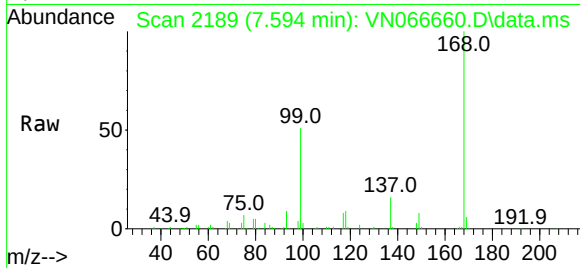




#1
Pentafluorobenzene
Concen: 50.00 ug/l
RT: 7.594 min Scan# 2189
Delta R.T. 0.006 min
Lab File: VN066660.D
Acq: 19 Apr 2021 14:19

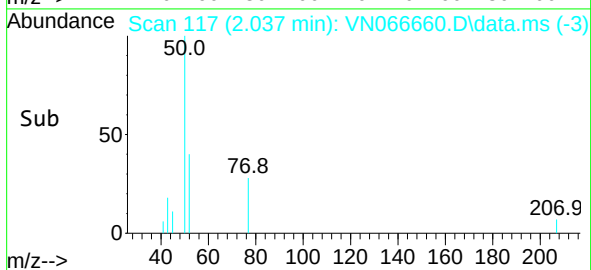
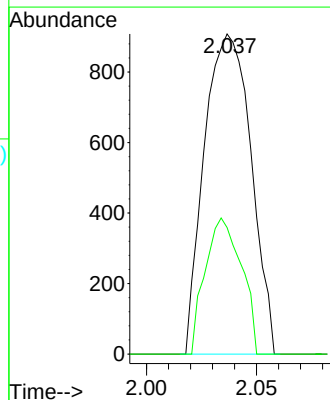
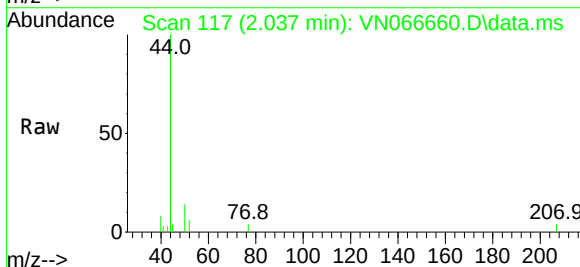
Instrument :
MSVOA_N
ClientSampled :

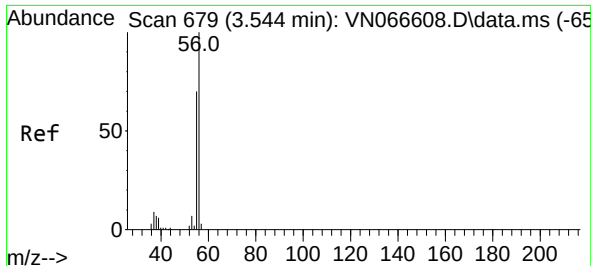
Tgt Ion:168 Resp: 294803
Ion Ratio Lower Upper
168 100
99 50.5 42.6 63.8



#3
Chloromethane
Concen: 0.26 ug/l
RT: 2.037 min Scan# 117
Delta R.T. 0.006 min
Lab File: VN066660.D
Acq: 19 Apr 2021 14:19

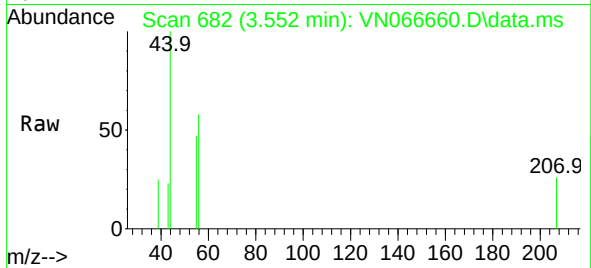
Tgt Ion: 50 Resp: 1338
Ion Ratio Lower Upper
50 100
52 39.5 25.8 38.8#



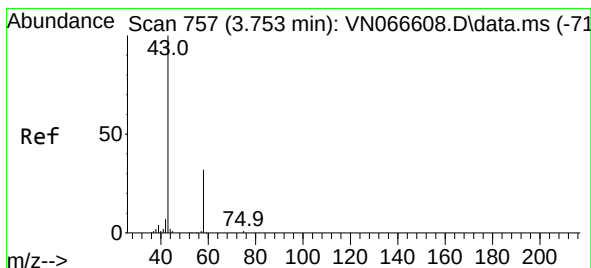
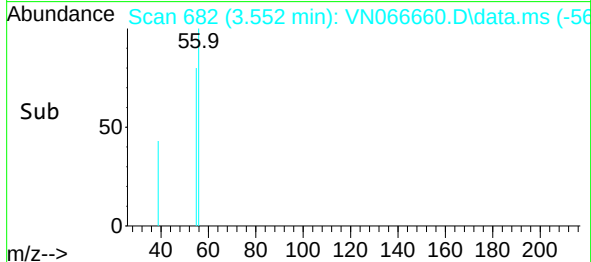
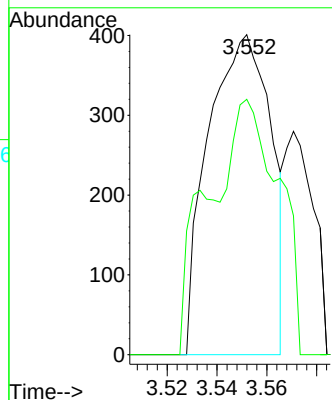


#13
Acrolein
Concen: 1.84 ug/l
RT: 3.552 min Scan# 682
Delta R.T. 0.008 min
Lab File: VN066660.D
Acq: 19 Apr 2021 14:19

Instrument :
MSVOA_N
ClientSampled :

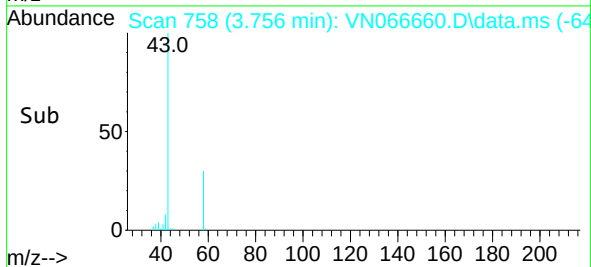
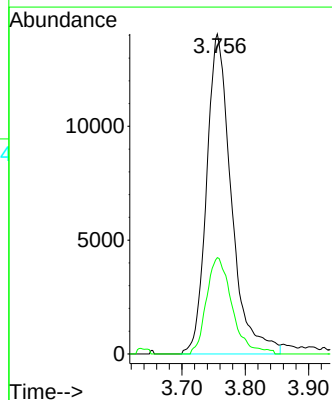
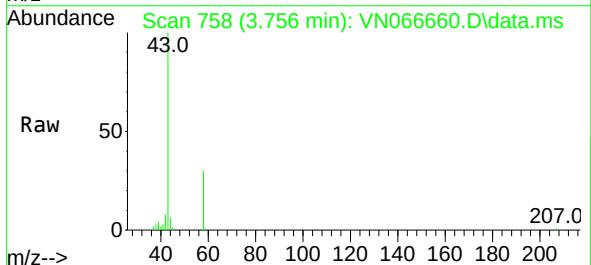


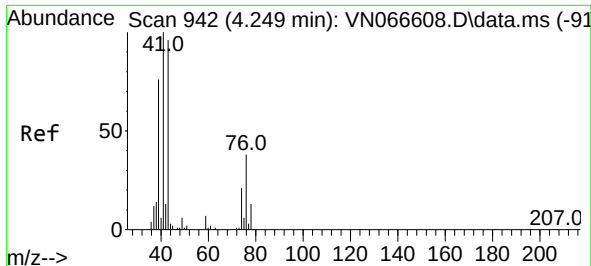
Tgt Ion: 56 Resp: 700
Ion Ratio Lower Upper
56 100
55 62.7 56.0 84.0



#16
Acetone
Concen: 16.05 ug/l
RT: 3.756 min Scan# 758
Delta R.T. 0.003 min
Lab File: VN066660.D
Acq: 19 Apr 2021 14:19

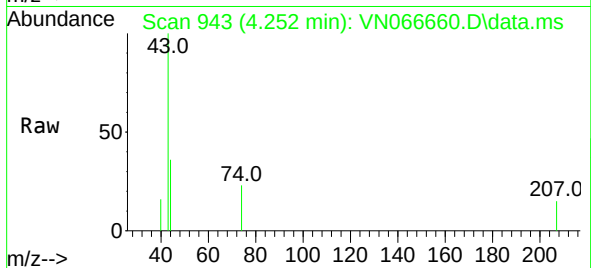
Tgt Ion: 43 Resp: 38167
Ion Ratio Lower Upper
43 100
58 30.1 27.0 40.6



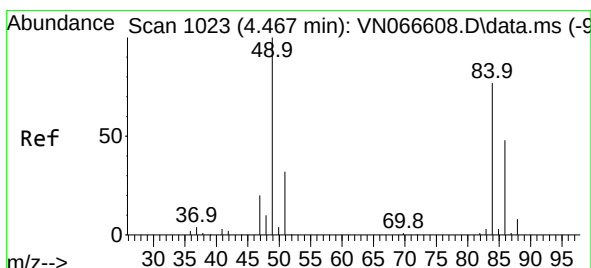
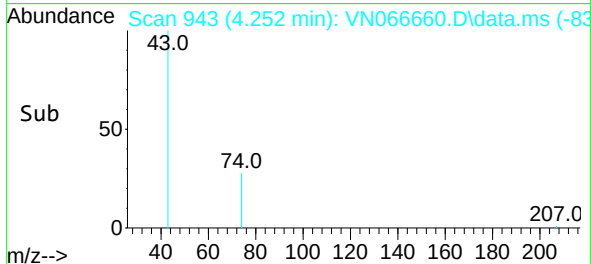
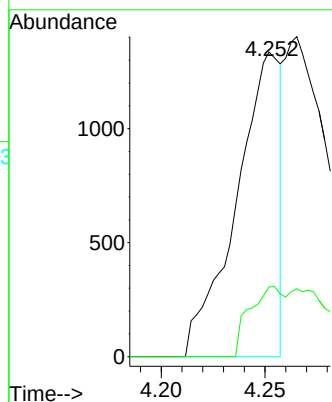


#18
Methyl Acetate
Concen: 0.41 ug/l
RT: 4.252 min Scan# 943
Delta R.T. 0.003 min
Lab File: VN066660.D
Acq: 19 Apr 2021 14:19

Instrument :
MSVOA_N
ClientSampled :

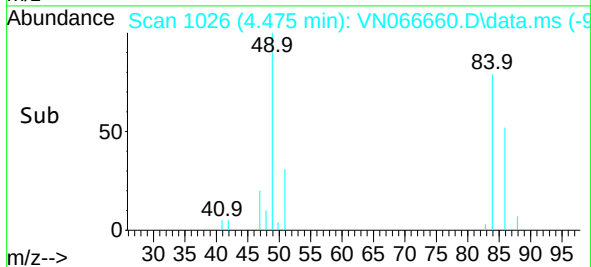
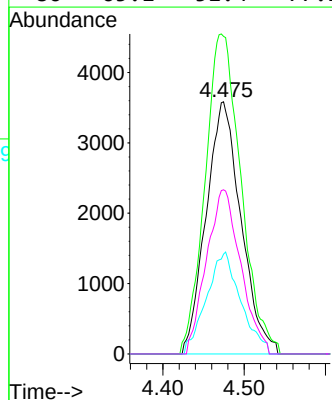
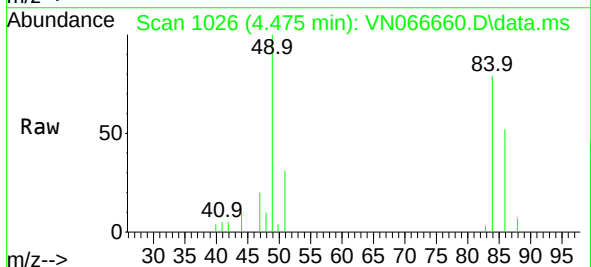


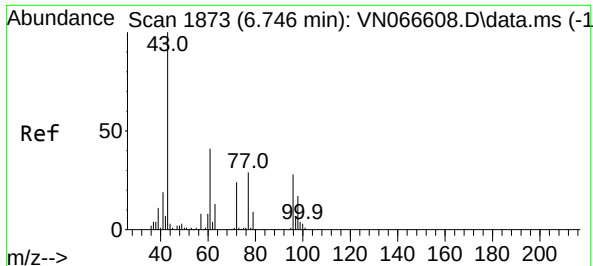
Tgt Ion: 43 Resp: 1973
Ion Ratio Lower Upper
43 100
74 18.3 19.5 29.3#



#20
Methylene Chloride
Concen: 2.55 ug/l
RT: 4.475 min Scan# 1026
Delta R.T. 0.008 min
Lab File: VN066660.D
Acq: 19 Apr 2021 14:19

Tgt Ion: 84 Resp: 10698
Ion Ratio Lower Upper
84 100
49 126.0 94.6 141.8
51 39.6 29.9 44.9
86 65.1 51.4 77.2

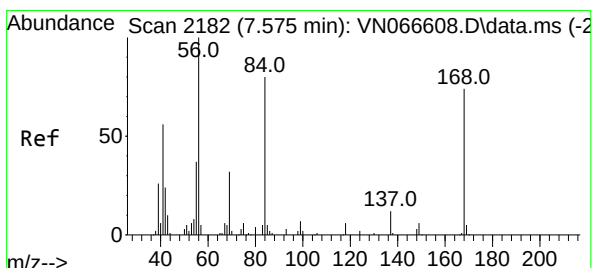
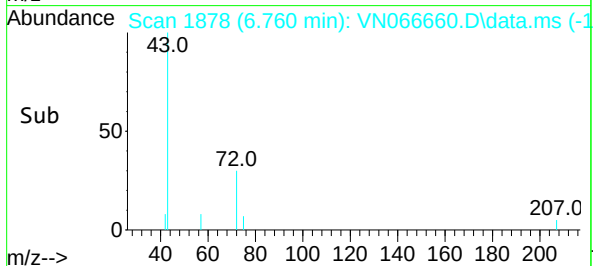
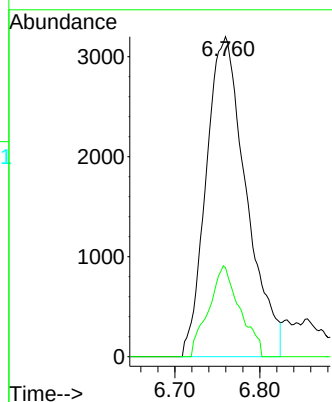
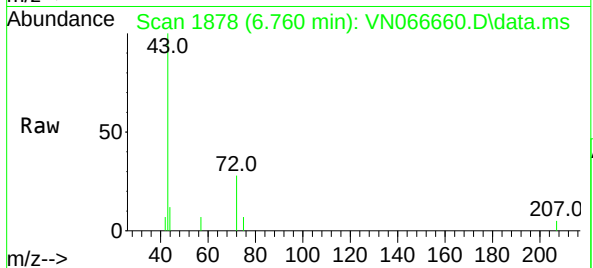




#25
2-Butanone
Concen: 3.99 ug/l
RT: 6.760 min Scan# 1878
Delta R.T. 0.014 min
Lab File: VN066660.D
Acq: 19 Apr 2021 14:19

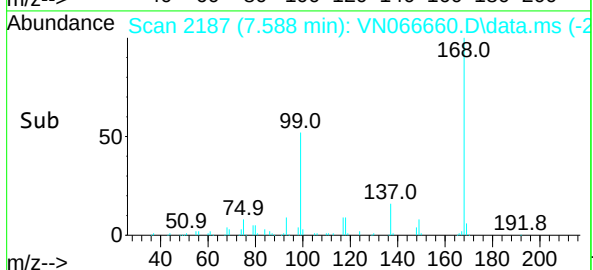
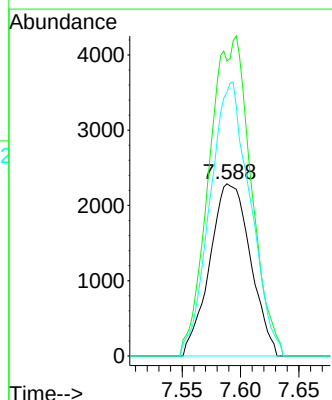
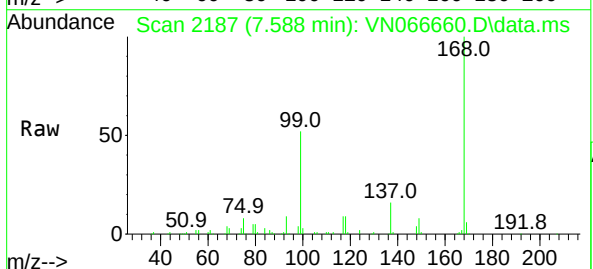
Instrument :
MSVOA_N
ClientSampled :

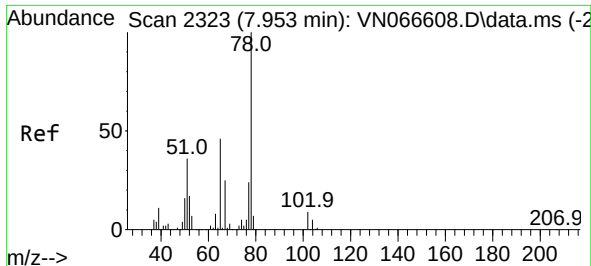
Tgt Ion: 43 Resp: 10456
Ion Ratio Lower Upper
43 100
72 27.8 23.1 34.7



#31
Cyclohexane
Concen: 0.87 ug/l
RT: 7.588 min Scan# 2187
Delta R.T. 0.013 min
Lab File: VN066660.D
Acq: 19 Apr 2021 14:19

Tgt Ion: 56 Resp: 5554
Ion Ratio Lower Upper
56 100
69 171.5 26.6 39.8#
84 153.1 70.4 105.6#

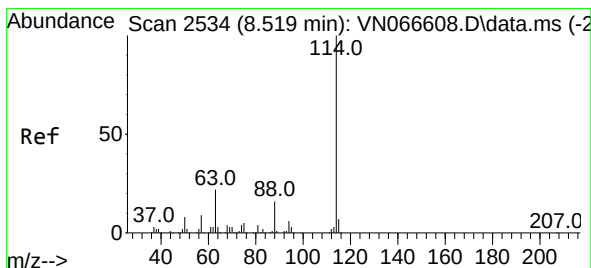
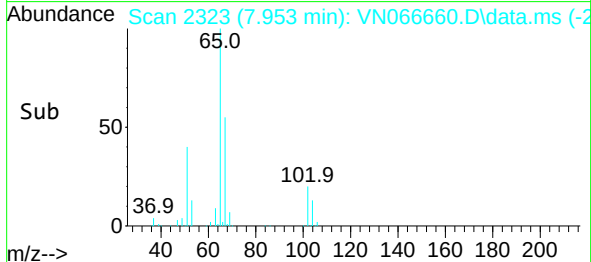
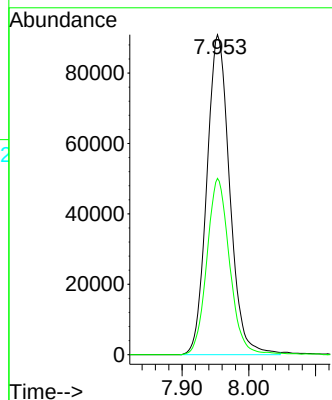
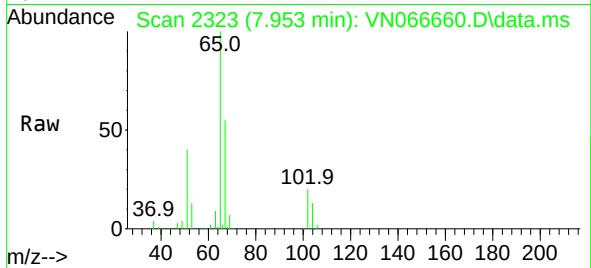




#33
1,2-Dichloroethane-d4
Concen: 48.59 ug/l
RT: 7.953 min Scan# 2323
Delta R.T. 0.000 min
Lab File: VN066660.D
Acq: 19 Apr 2021 14:19

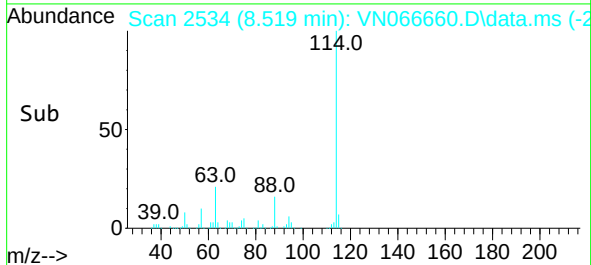
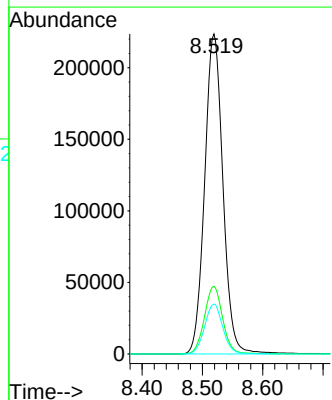
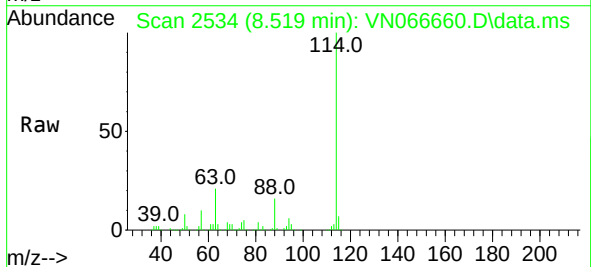
Instrument :
MSVOA_N
ClientSampled :

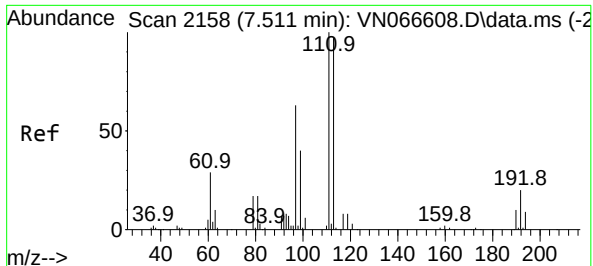
Tgt Ion: 65 Resp: 216109
Ion Ratio Lower Upper
65 100
67 55.0 0.0 107.2



#34
1,4-Difluorobenzene
Concen: 50.00 ug/l
RT: 8.519 min Scan# 2534
Delta R.T. -0.000 min
Lab File: VN066660.D
Acq: 19 Apr 2021 14:19

Tgt Ion: 114 Resp: 471191
Ion Ratio Lower Upper
114 100
63 21.1 0.0 38.6
88 15.6 0.0 30.6

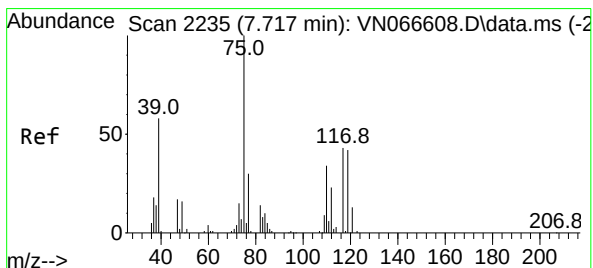
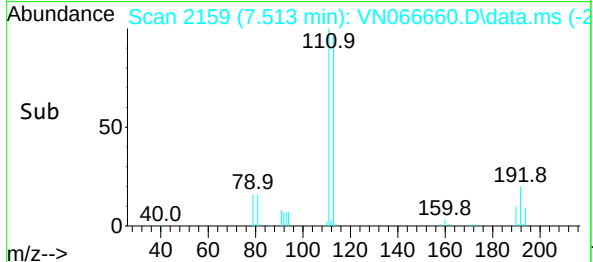
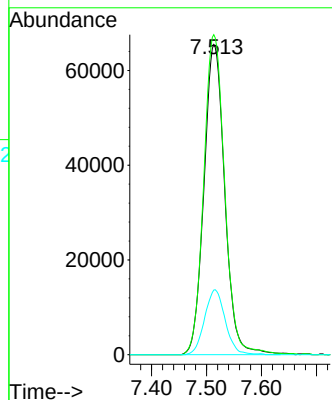
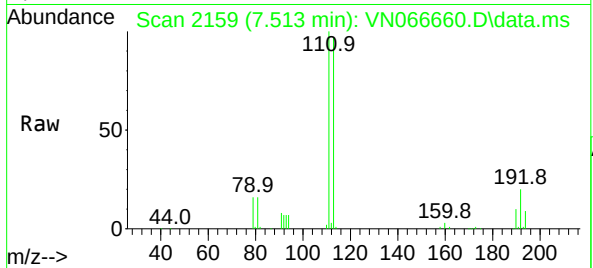




#35
Dibromofluoromethane
Concen: 52.66 ug/l
RT: 7.513 min Scan# 2159
Delta R.T. 0.002 min
Lab File: VN066660.D
Acq: 19 Apr 2021 14:19

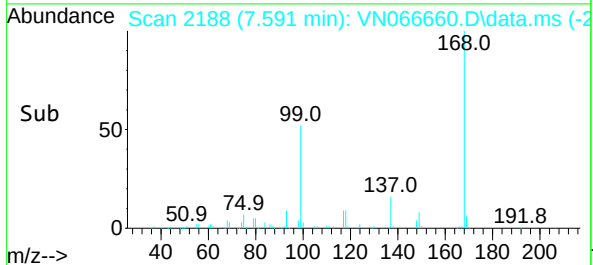
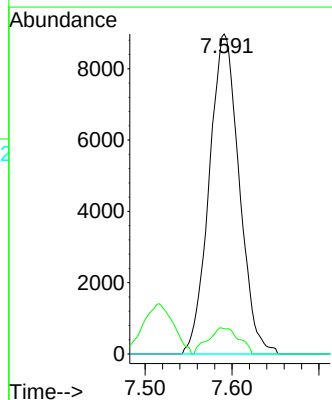
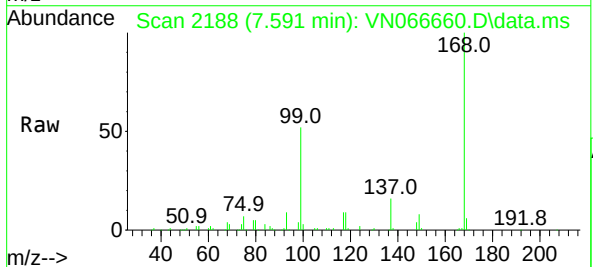
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MSVOA_N
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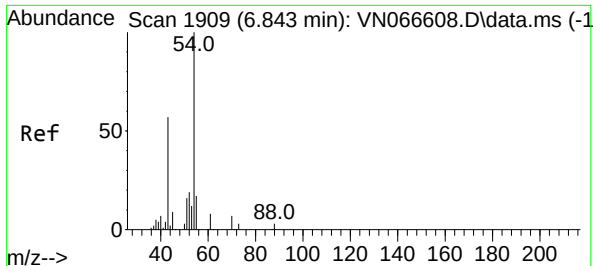
Tgt Ion:113 Resp: 172084
Ion Ratio Lower Upper
113 100
111 103.8 82.2 123.2
192 20.8 15.4 23.0



#36
1,1-Dichloropropene
Concen: 4.53 ug/l
RT: 7.591 min Scan# 2188
Delta R.T. -0.126 min
Lab File: VN066660.D
Acq: 19 Apr 2021 14:19

Tgt Ion: 75 Resp: 21510
Ion Ratio Lower Upper
75 100
110 8.4 18.2 54.6#
77 0.0 24.9 37.3#





#37

Ethyl Acetate

Concen: 1.94 ug/l

RT: 6.760 min Scan# 1878

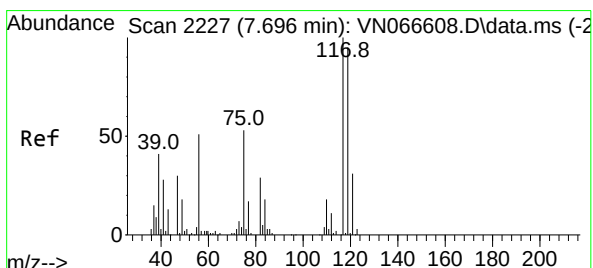
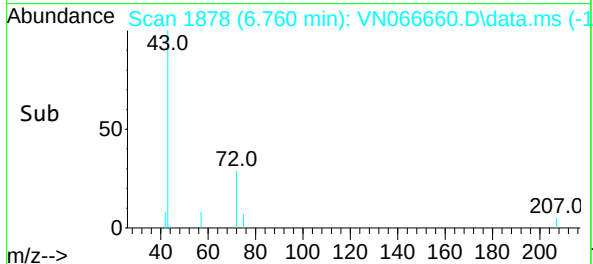
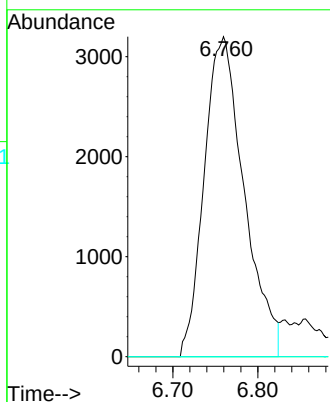
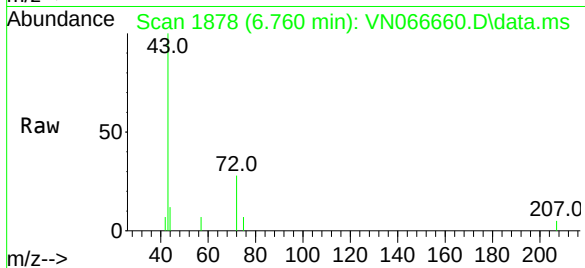
Delta R.T. -0.083 min

Lab File: VN066660.D

Acq: 19 Apr 2021 14:19

Tgt Ion:	43	Resp:	10456
Ion	Ratio	Lower	Upper
43	100		
61	0.0	11.6	17.4#
70	0.0	8.6	13.0#

Instrument :
MSVOA_N
ClientSampleId :



#38

Carbon Tetrachloride

Concen: 5.81 ug/l

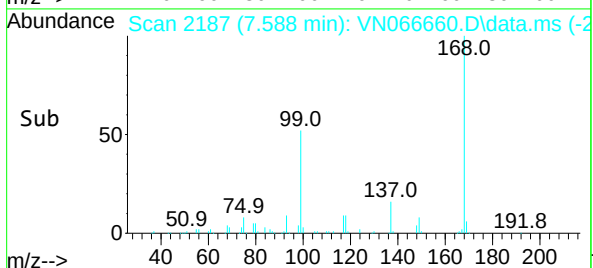
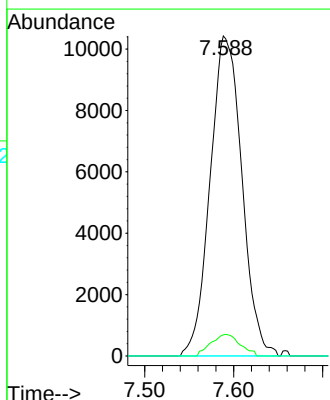
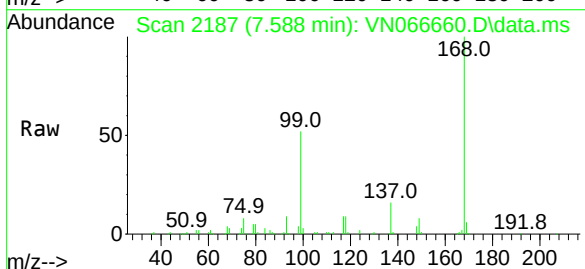
RT: 7.588 min Scan# 2187

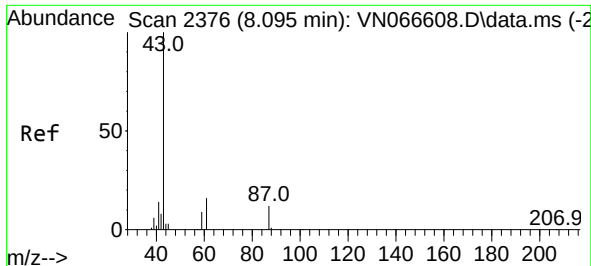
Delta R.T. -0.108 min

Lab File: VN066660.D

Acq: 19 Apr 2021 14:19

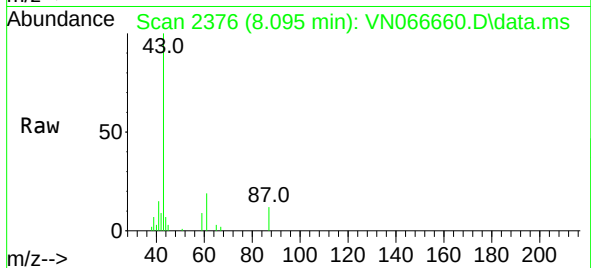
Tgt Ion:	117	Resp:	25839
Ion	Ratio	Lower	Upper
117	100		
119	6.6	76.0	114.0#
121	0.0	24.5	36.7#



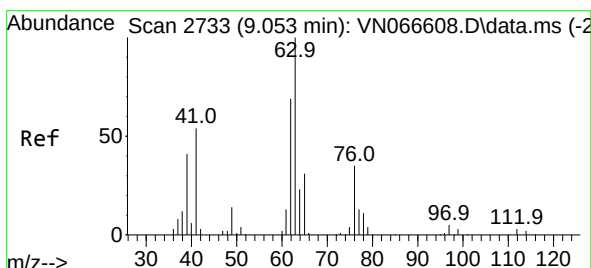
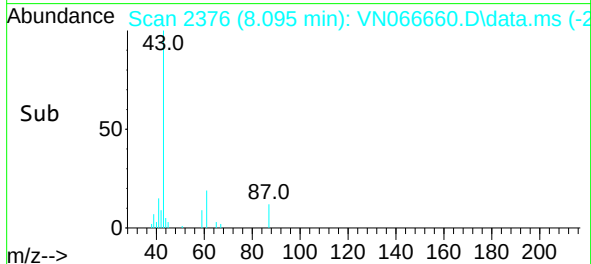
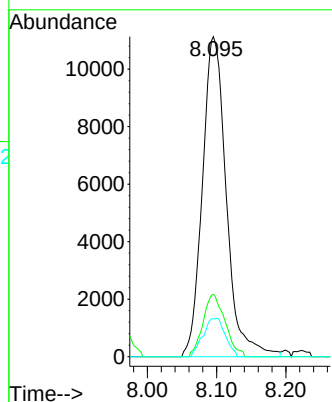


#43
Isopropyl Acetate
Concen: 2.97 ug/l
RT: 8.095 min Scan# 2376
Delta R.T. 0.000 min
Lab File: VN066660.D
Acq: 19 Apr 2021 14:19

Instrument :
MSVOA_N
ClientSampled :

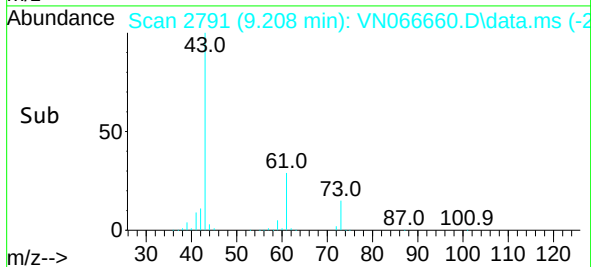
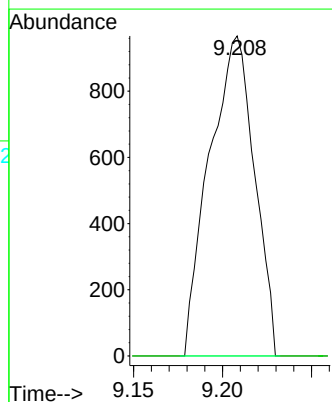
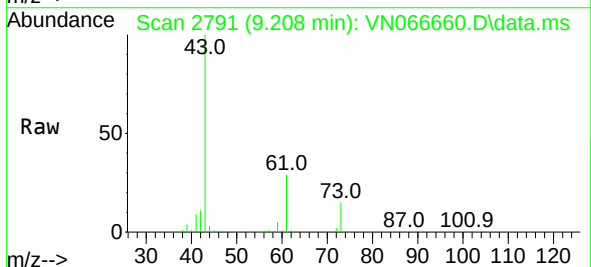


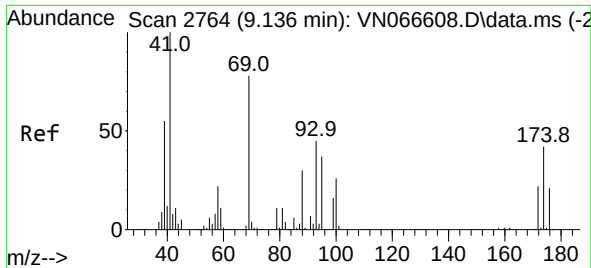
Tgt Ion	Ratio	Lower	Upper
43	100		
61	17.9	22.5	33.7#
87	11.0	11.1	16.7#



#45
1,2-Dichloropropane
Concen: 0.40 ug/l
RT: 9.208 min Scan# 2791
Delta R.T. 0.155 min
Lab File: VN066660.D
Acq: 19 Apr 2021 14:19

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

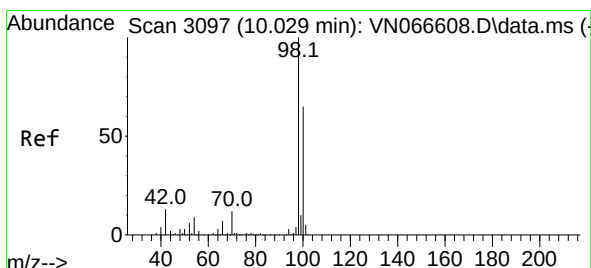
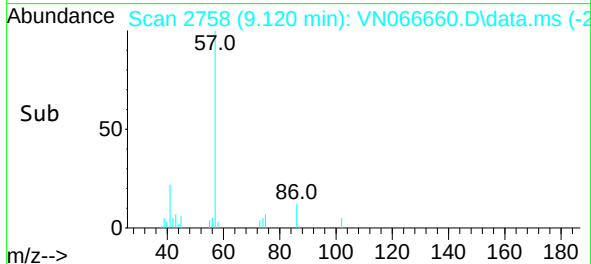
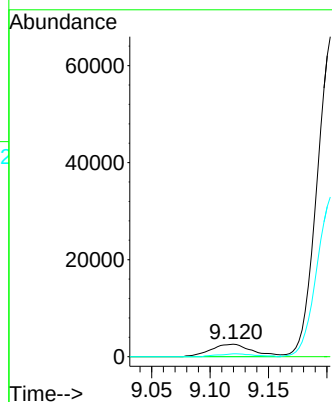
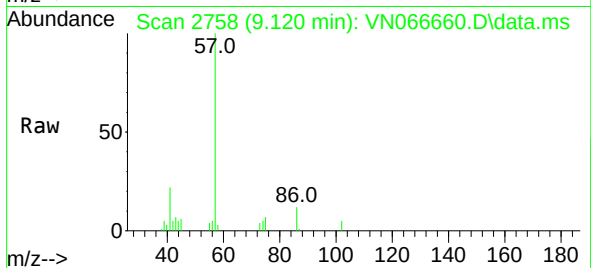




#48
Methyl methacrylate
Concen: 1.56 ug/l
RT: 9.120 min Scan# 2758
Delta R.T. -0.016 min
Lab File: VN066660.D
Acq: 19 Apr 2021 14:19

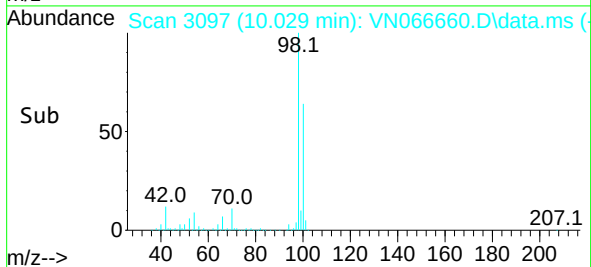
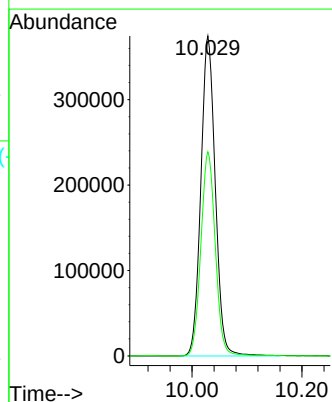
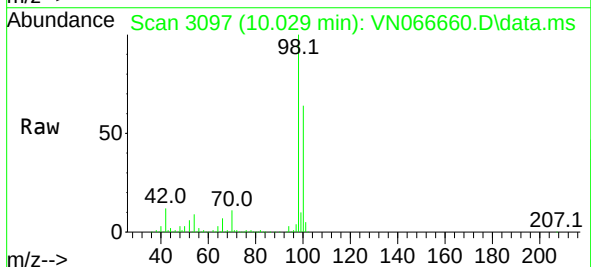
Instrument :
MSVOA_N
ClientSampled :

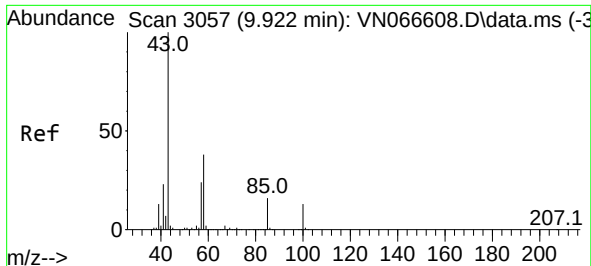
Tgt Ion: 41 Resp: 6324
Ion Ratio Lower Upper
41 100
69 0.0 75.9 113.9#
39 0.0 46.6 69.8#



#50
Toluene-d8
Concen: 53.31 ug/l
RT: 10.029 min Scan# 3097
Delta R.T. -0.000 min
Lab File: VN066660.D
Acq: 19 Apr 2021 14:19

Tgt Ion: 98 Resp: 682718
Ion Ratio Lower Upper
98 100
100 63.9 50.5 75.7

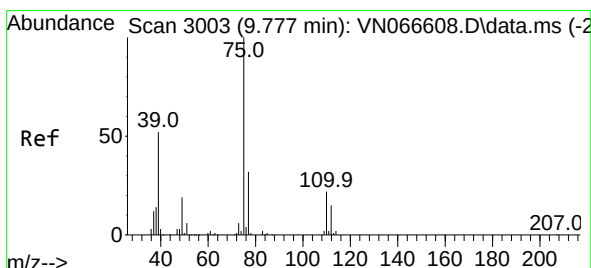
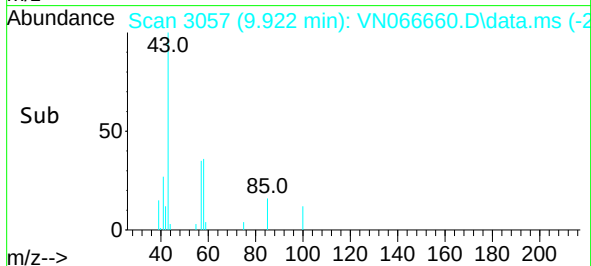
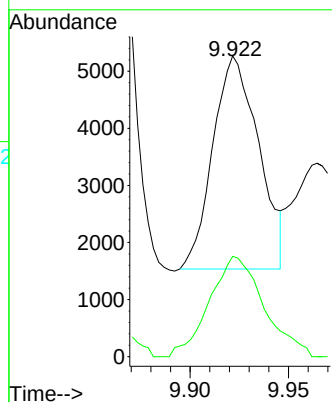
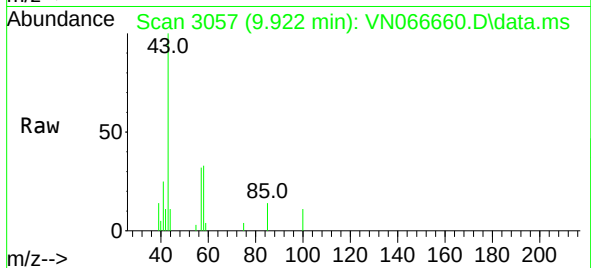




#51
4-Methyl-2-Pentanone
Concen: 1.14 ug/l
RT: 9.922 min Scan# 3057
Delta R.T. -0.000 min
Lab File: VN066660.D
Acq: 19 Apr 2021 14:19

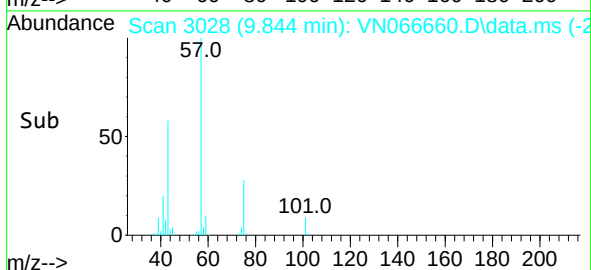
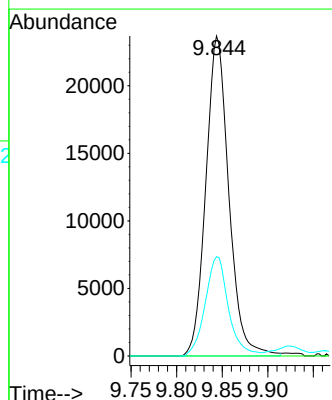
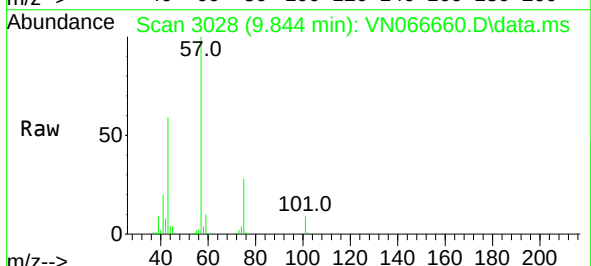
Instrument :
MSVOA_N
ClientSampleId :

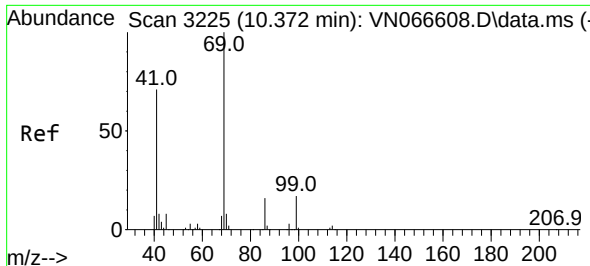
Tgt Ion: 43 Resp: 6037
Ion Ratio Lower Upper
43 100
58 55.9 32.5 48.7#



#54
cis-1,3-Dichloropropene
Concen: 6.67 ug/l
RT: 9.844 min Scan# 3028
Delta R.T. 0.067 min
Lab File: VN066660.D
Acq: 19 Apr 2021 14:19

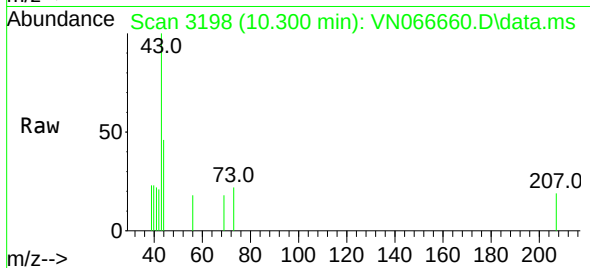
Tgt Ion: 75 Resp: 41414
Ion Ratio Lower Upper
75 100
77 0.0 24.9 37.3#
39 31.0 36.2 54.4#



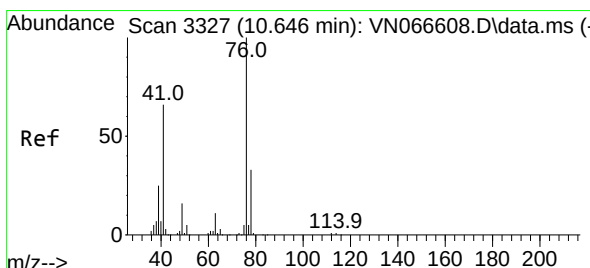
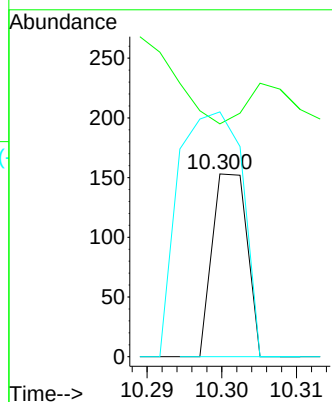
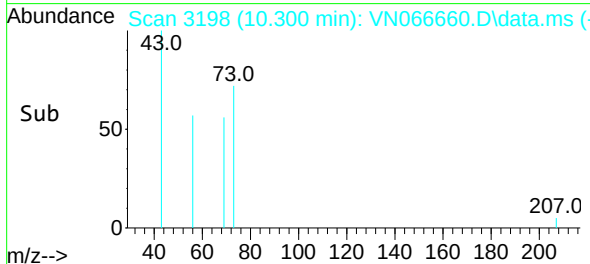


#56
Ethyl methacrylate
Concen: 0.90 ug/l
RT: 10.300 min Scan# 3198
Delta R.T. -0.072 min
Lab File: VN066660.D
Acq: 19 Apr 2021 14:19

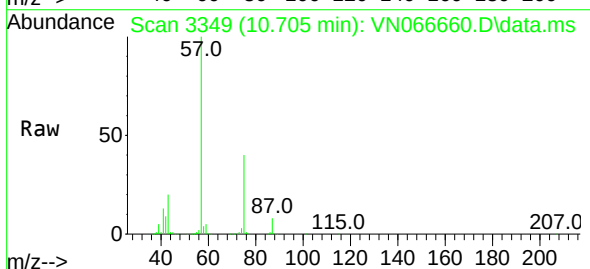
Instrument :
MSVOA_N
ClientSampleId :



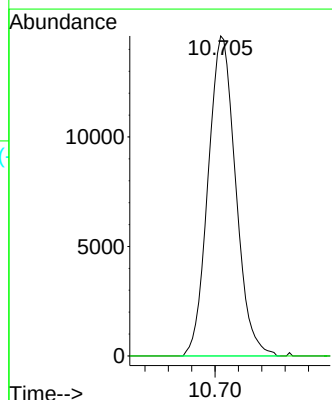
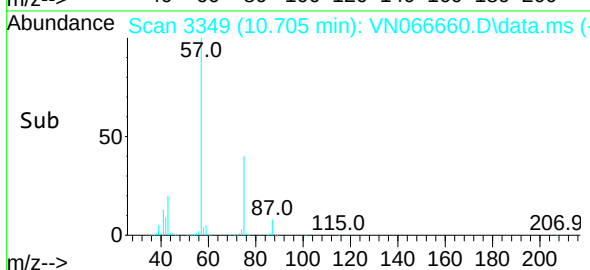
Tgt Ion: 69 Resp: 49
Ion Ratio Lower Upper
69 100
41 0.0 49.6 74.4#
39 0.0 28.0 42.0#

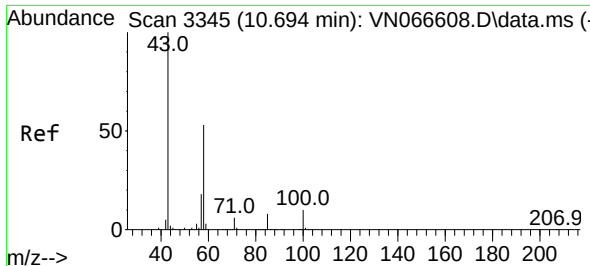


#57
1,3-Dichloropropane
Concen: 3.85 ug/l
RT: 10.705 min Scan# 3349
Delta R.T. 0.059 min
Lab File: VN066660.D
Acq: 19 Apr 2021 14:19



Tgt Ion: 76 Resp: 23923
Ion Ratio Lower Upper
76 100
78 0.0 25.7 38.5#

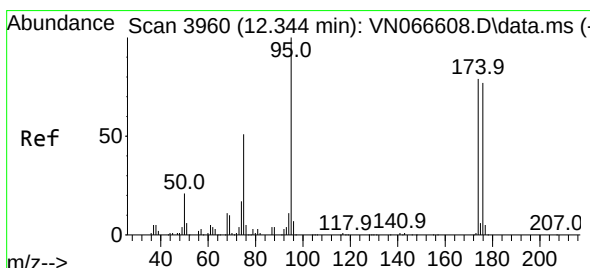
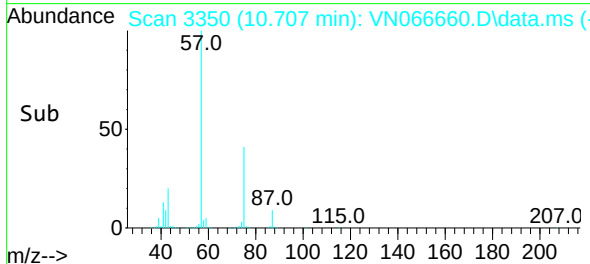
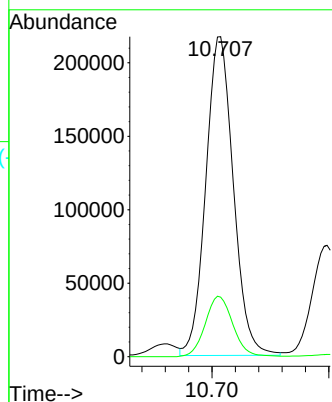
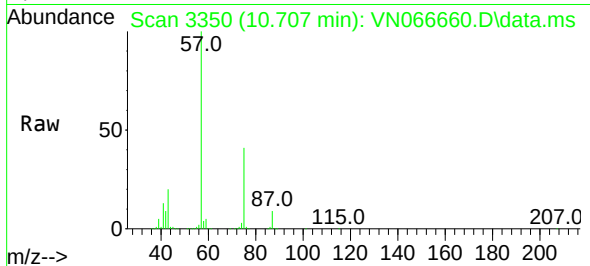




#59
2-Hexanone
Concen: 97.19 ug/l
RT: 10.707 min Scan# 3350
Delta R.T. 0.013 min
Lab File: VN066660.D
Acq: 19 Apr 2021 14:19

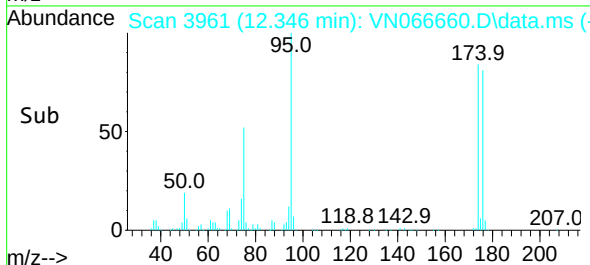
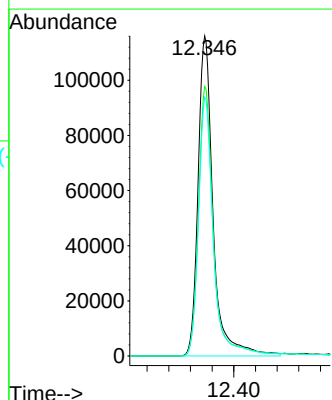
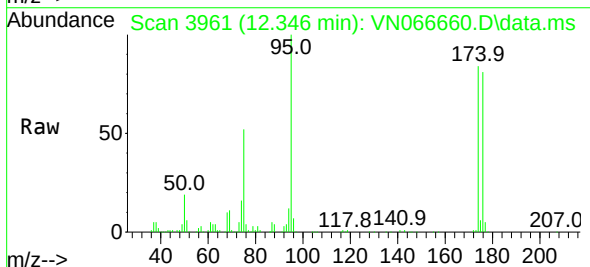
Instrument :
MSVOA_N
ClientSampled :

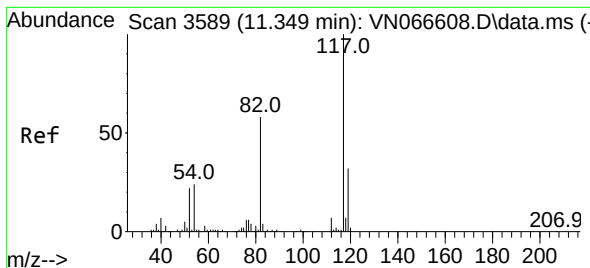
Tgt Ion: 43 Resp: 355119
Ion Ratio Lower Upper
43 100
58 19.1 28.1 84.3#



#62
4-Bromofluorobenzene
Concen: 49.69 ug/l
RT: 12.346 min Scan# 3961
Delta R.T. 0.002 min
Lab File: VN066660.D
Acq: 19 Apr 2021 14:19

Tgt Ion: 95 Resp: 223744
Ion Ratio Lower Upper
95 100
174 84.3 0.0 169.0
176 79.6 0.0 162.4

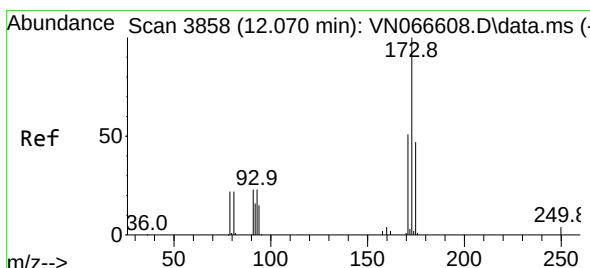
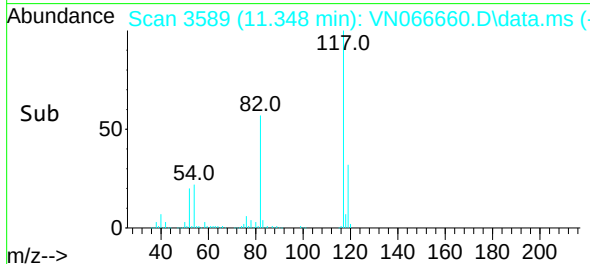
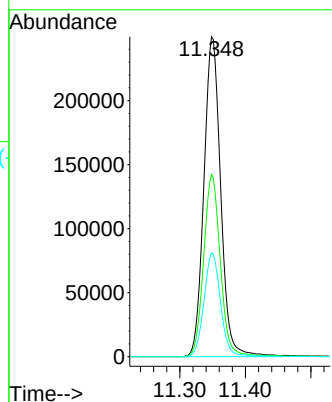
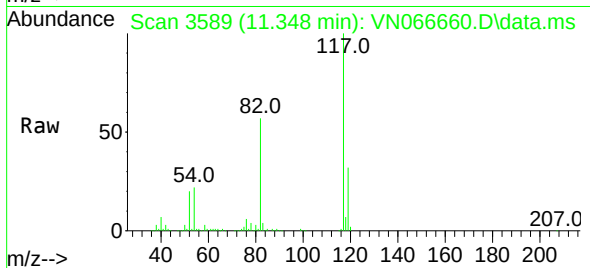




#63
Chlorobenzene-d5
Concen: 50.00 ug/l
RT: 11.348 min Scan# 3589
Delta R.T. -0.001 min
Lab File: VN066660.D
Acq: 19 Apr 2021 14:19

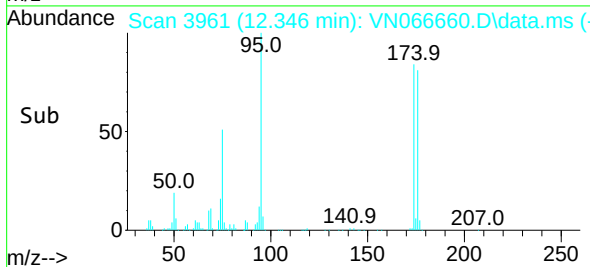
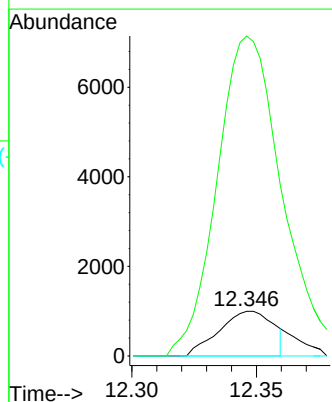
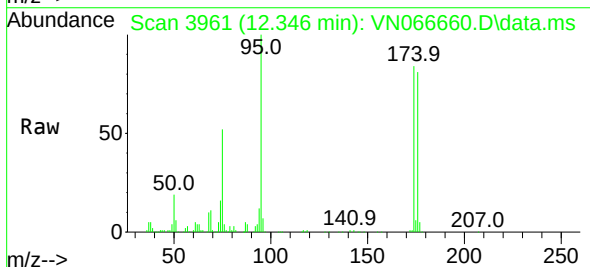
Instrument :
MSVOA_N
ClientSampleId :

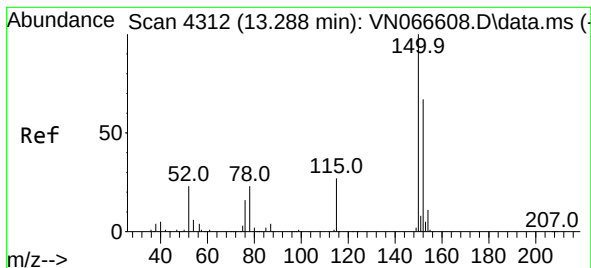
Tgt Ion:117 Resp: 444888
Ion Ratio Lower Upper
117 100
82 57.0 43.7 65.5
119 32.4 26.1 39.1



#71
Bromoform
Concen: 0.57 ug/l
RT: 12.346 min Scan# 3961
Delta R.T. 0.276 min
Lab File: VN066660.D
Acq: 19 Apr 2021 14:19

Tgt Ion:173 Resp: 1511
Ion Ratio Lower Upper
173 100
175 725.7 23.8 71.2#
254 0.0 0.0 0.0

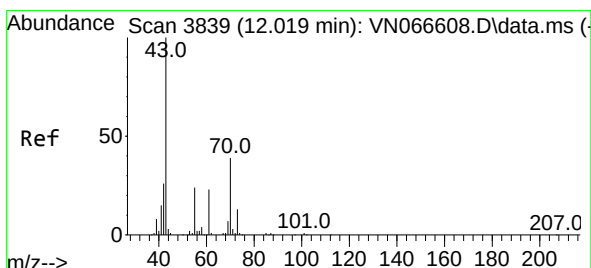
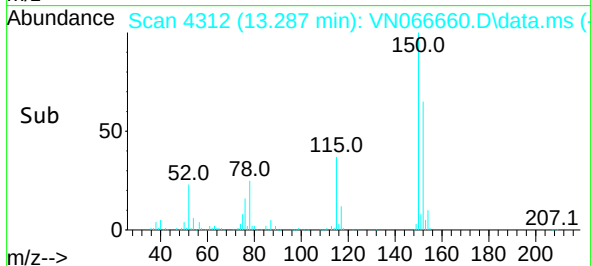
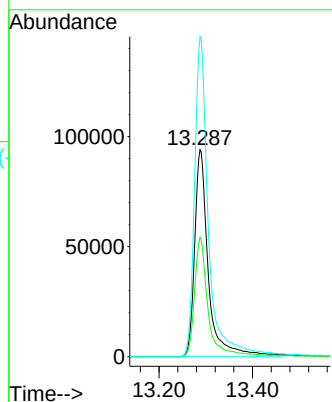
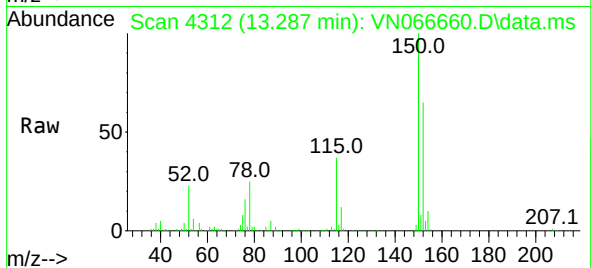




#72
 1,4-Dichlorobenzene-d4
 Concen: 50.00 ug/l
 RT: 13.287 min Scan# 4312
 Delta R.T. -0.001 min
 Lab File: VN066660.D
 Acq: 19 Apr 2021 14:19

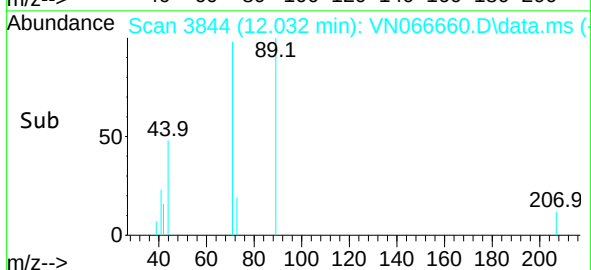
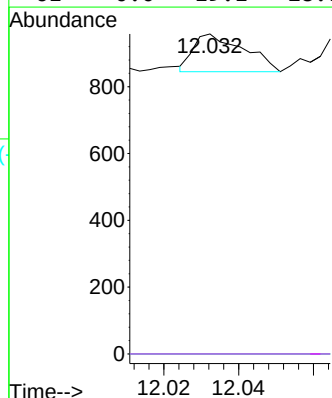
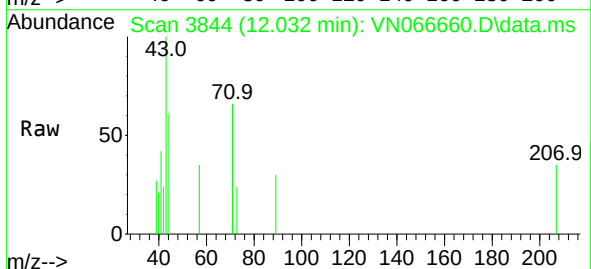
Instrument :
 MSVOA_N
 ClientSampled :

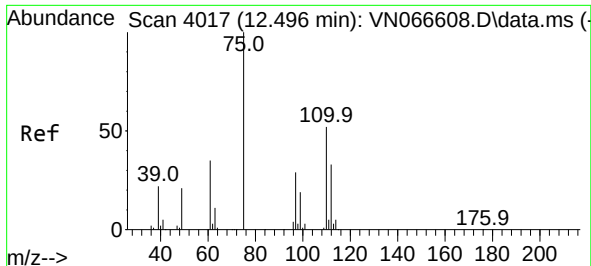
Tgt Ion:152 Resp: 192409
 Ion Ratio Lower Upper
 152 100
 115 57.0 28.5 85.6
 150 154.8 0.0 347.6



#74
 N-ethyl acetate
 Concen: 9.74 ug/l
 RT: 12.032 min Scan# 3844
 Delta R.T. 0.013 min
 Lab File: VN066660.D
 Acq: 19 Apr 2021 14:19

Tgt Ion: 43 Resp: 106
 Ion Ratio Lower Upper
 43 100
 70 0.0 34.4 51.6#
 55 0.0 20.7 31.1#
 61 0.0 19.1 28.7#

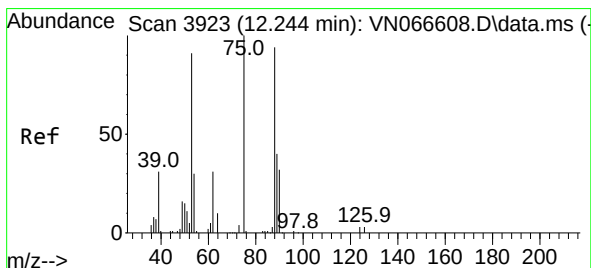
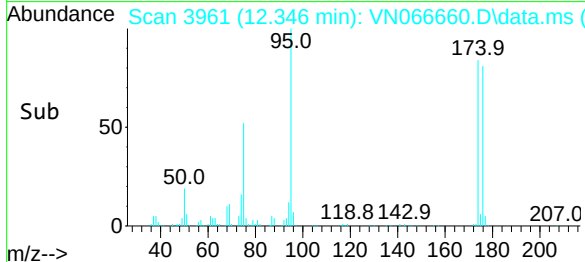
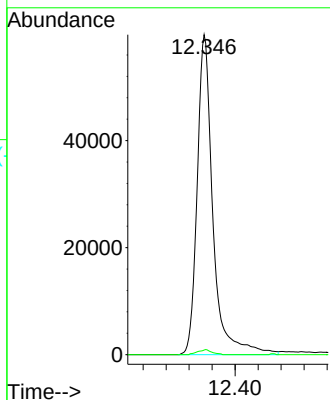
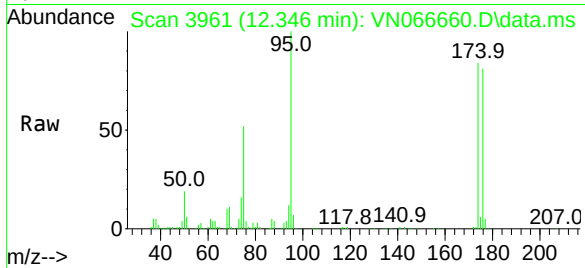




#76
1,2,3-Trichloropropane
Concen: 25.27 ug/l
RT: 12.346 min Scan# 3961
Delta R.T. -0.150 min
Lab File: VN066660.D
Acq: 19 Apr 2021 14:19

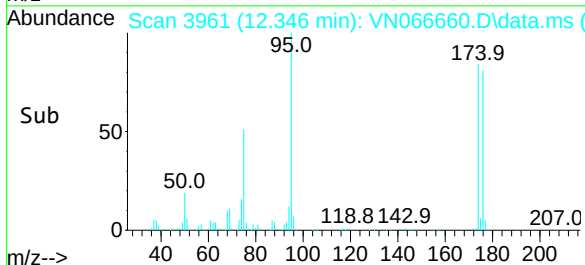
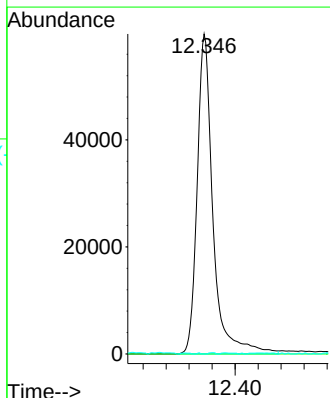
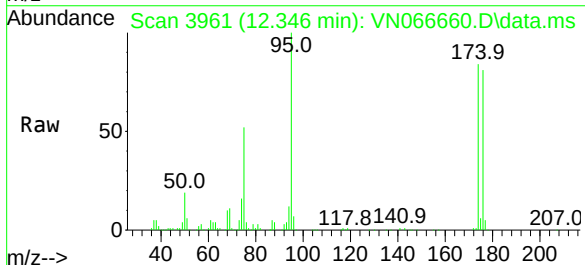
Instrument :
MSVOA_N
ClientSampled :

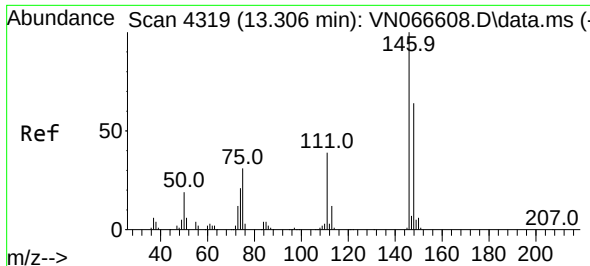
Tgt Ion: 75 Resp: 113683
Ion Ratio Lower Upper
75 100
77 1.4 0.0 0.0#



#81
trans-1,4-Dichloro-2-butene
Concen: 78.00 ug/l
RT: 12.346 min Scan# 3961
Delta R.T. 0.102 min
Lab File: VN066660.D
Acq: 19 Apr 2021 14:19

Tgt Ion: 75 Resp: 113683
Ion Ratio Lower Upper
75 100
53 0.0 74.6 111.8#
89 0.1 35.8 53.8#

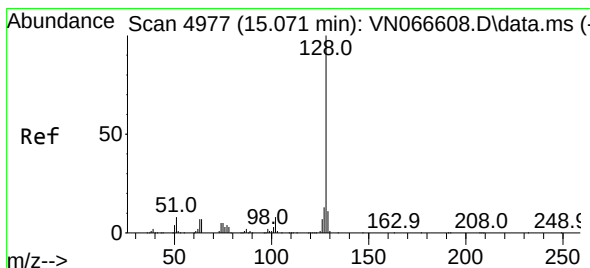
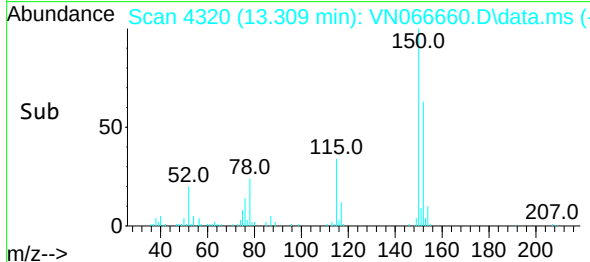
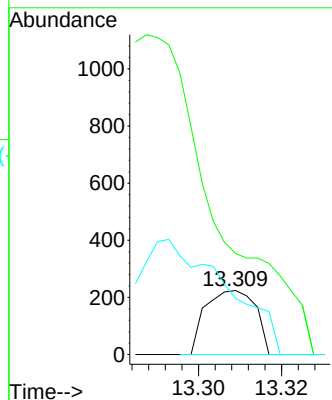
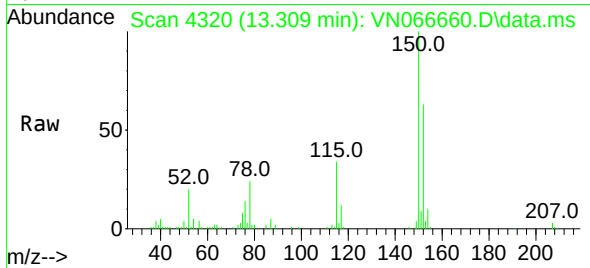




#88
1,4-Dichlorobenzene
Concen: Below Cal
RT: 13.309 min Scan# 4320
Delta R.T. 0.003 min
Lab File: VN066660.D
Acq: 19 Apr 2021 14:19

Instrument :
MSVOA_N
ClientSampled :

Tgt Ion:146 Resp: 188
Ion Ratio Lower Upper
146 100
111 0.0 19.0 57.0#
148 0.0 31.8 95.3#



#95
Naphthalene
Concen: 0.23 ug/l
RT: 15.092 min Scan# 4985
Delta R.T. 0.021 min
Lab File: VN066660.D
Acq: 19 Apr 2021 14:19

Tgt Ion:128 Resp: 2303
Ion Ratio Lower Upper
128 100
127 5.5 10.2 15.2#
129 0.0 8.6 13.0#

