

Data Path : Z:\voasrv\HPCHEM1\MSVOA_N\Data\VN041921\
 Data File : VN066656.D
 Acq On : 19 Apr 2021 12:44
 Operator : JC/MD
 Sample : M2070-08
 Misc : 5.00mL/MSVOA_N/WATER
 ALS Vial : 7 Sample Multiplier: 1

Instrument :
 MSVOA_N
 ClientSampleId :

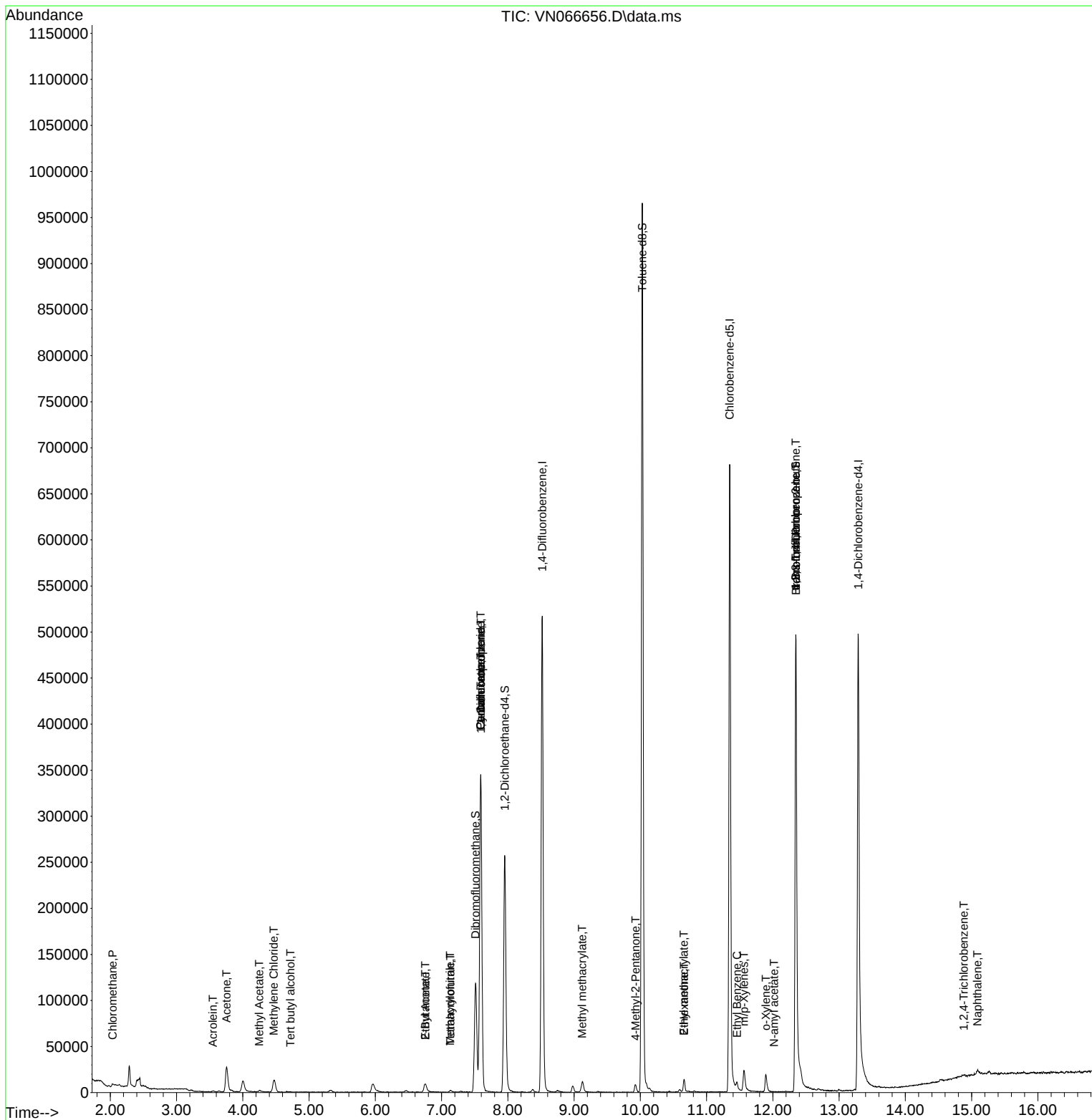
Quant Time: Apr 20 04:54:46 2021
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA_N\methods\82N041521W.M
 Quant Title : SW846 8260
 QLast Update : Thu Apr 15 19:16:35 2021
 Response via : Initial Calibration

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

Internal Standards						
1) Pentafluorobenzene	7.591	168	297094	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	8.519	114	471431	50.00	ug/l	0.00
63) Chlorobenzene-d5	11.348	117	422458	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.287	152	177517	50.00	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	7.953	65	218242	48.69	ug/l	0.00
Spiked Amount 50.000	Range 61 - 141		Recovery =	97.38%		
35) Dibromofluoromethane	7.513	113	94227	28.82	ug/l	0.00
Spiked Amount 50.000	Range 69 - 133		Recovery =	57.64%#		
50) Toluene-d8	10.029	98	671011	52.37	ug/l	0.00
Spiked Amount 50.000	Range 65 - 126		Recovery =	104.74%		
62) 4-Bromofluorobenzene	12.346	95	208398	46.25	ug/l	0.00
Spiked Amount 50.000	Range 58 - 135		Recovery =	92.50%		
Target Compounds						
						Qvalue
3) Chloromethane	2.037	50	1449	0.28	ug/l	92
11) Tert butyl alcohol	4.719	59	315	0.44	ug/l #	73
13) Acrolein	3.549	56	566	1.48	ug/l #	52
16) Acetone	3.756	43	46195	21.05	ug/l	98
18) Methyl Acetate	4.247	43	1986	0.41	ug/l	94
20) Methylene Chloride	4.469	84	9933	2.35	ug/l	94
25) 2-Butanone	6.754	43	18009	6.82	ug/l #	88
29) Tetrahydrofuran	7.132	42	1509	0.85	ug/l #	56
31) Cyclohexane	7.591	56	5723	0.89	ug/l #	1
36) 1,1-Dichloropropene	7.594	75	21981	4.63	ug/l #	48
37) Ethyl Acetate	6.754	43	18009	3.34	ug/l #	68
38) Carbon Tetrachloride	7.591	117	27044	6.08	ug/l #	17
41) Methacrylonitrile	7.130	41	882	0.36	ug/l #	100
48) Methyl methacrylate	9.120	41	5709	1.41	ug/l #	14
51) 4-Methyl-2-Pentanone	9.930	43	7586	1.43	ug/l	88
56) Ethyl methacrylate	10.656	69	197	0.93	ug/l #	1
59) 2-Hexanone	10.662	43	12039	8.00	ug/l #	23
67) Ethyl Benzene	11.458	91	6008	0.38	ug/l	99
68) m/p-Xylenes	11.563	106	9546	1.64	ug/l	99
69) o-Xylene	11.895	106	6415	1.13	ug/l	97
71) Bromoform	12.349	173	1400	0.56	ug/l #	1
74) N-amyl acetate	12.019	43	54	9.73	ug/l #	42
76) 1,2,3-Trichloropropane	12.346	75	96924	23.35	ug/l #	100
81) trans-1,4-Dichloro-2-b...	12.346	75	96924	72.24	ug/l #	12
88) 1,4-Dichlorobenzene	13.306	146	436	Below Cal	#	1
93) 1,2,4-Trichlorobenzene	14.881	180	1010	0.31	ug/l #	38
95) Naphthalene	15.087	128	5824	0.64	ug/l #	89

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

Quant Time: Apr 20 04:54:46 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

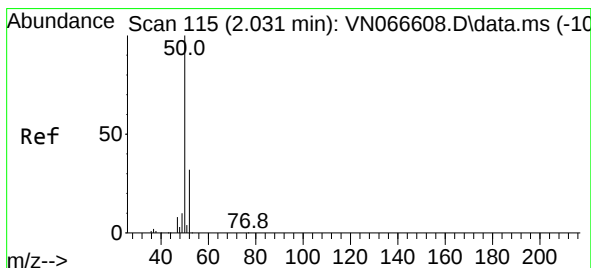
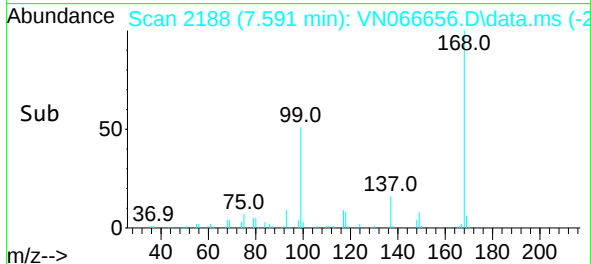
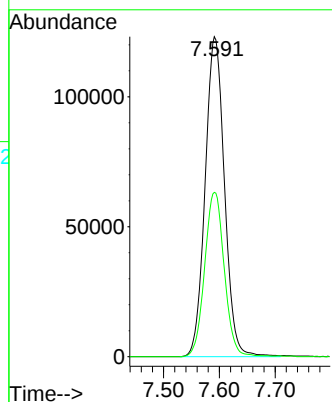
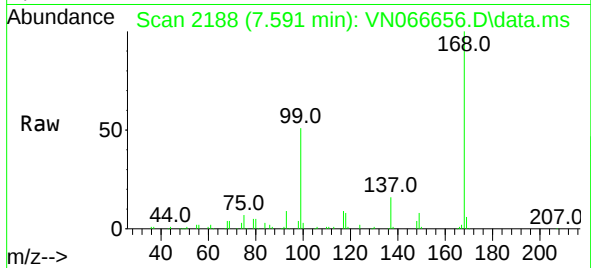




#1
Pentafluorobenzene
Concen: 50.00 ug/l
RT: 7.591 min Scan# 2188
Delta R.T. 0.003 min
Lab File: VN066656.D
Acq: 19 Apr 2021 12:44

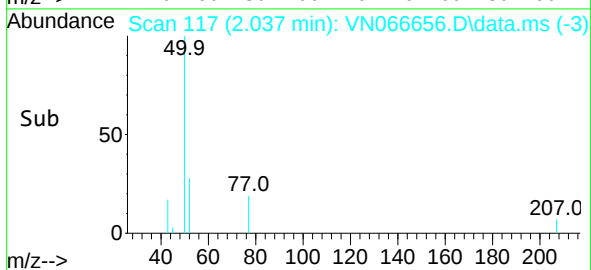
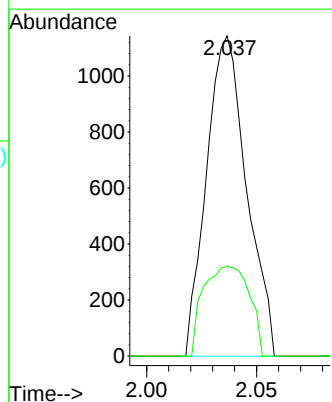
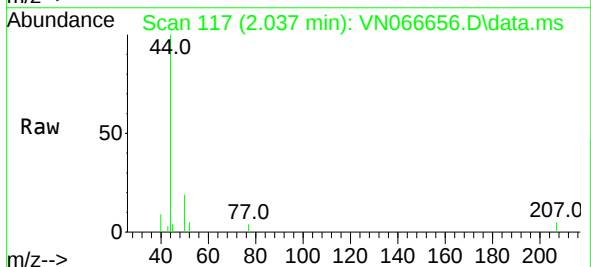
Instrument :
MSVOA_N
ClientSampled :

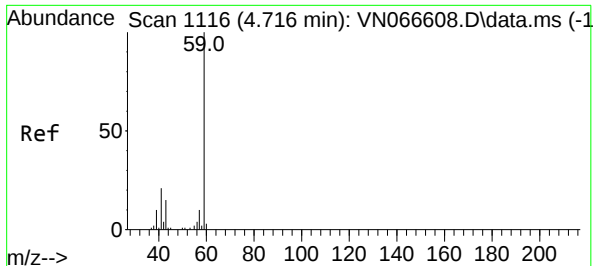
Tgt Ion:168 Resp: 297094
Ion Ratio Lower Upper
168 100
99 51.4 42.6 63.8



#3
Chloromethane
Concen: 0.28 ug/l
RT: 2.037 min Scan# 117
Delta R.T. 0.006 min
Lab File: VN066656.D
Acq: 19 Apr 2021 12:44

Tgt Ion: 50 Resp: 1449
Ion Ratio Lower Upper
50 100
52 28.0 25.8 38.8

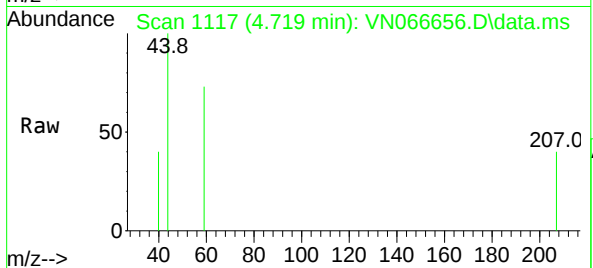




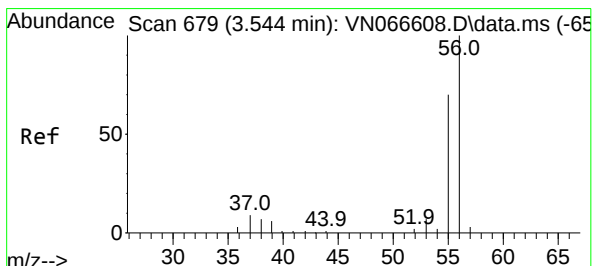
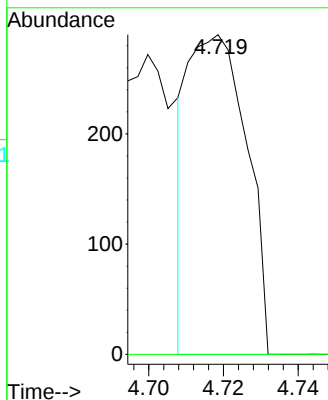
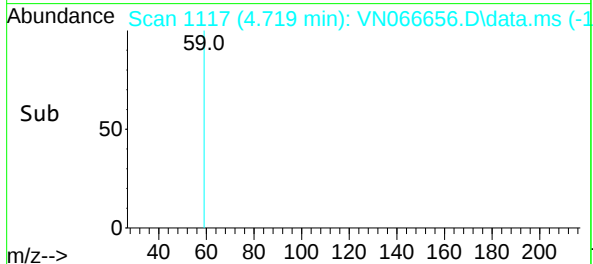
#11

Tert butyl alcohol
Concen: 0.44 ug/l
RT: 4.719 min Scan# 1117
Delta R.T. 0.003 min
Lab File: VN066656.D
Acq: 19 Apr 2021 12:44

Instrument :
MSVOA_N
ClientSampled :

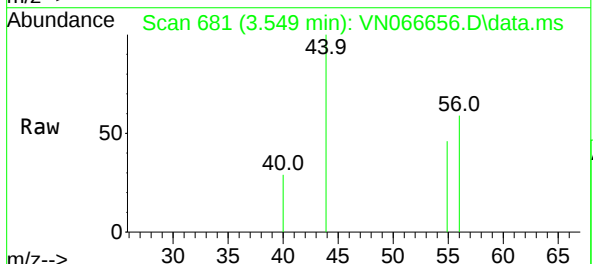


Tgt Ion: 59 Resp: 315
Ion Ratio Lower Upper
59 100
57 0.0 8.0 12.0#

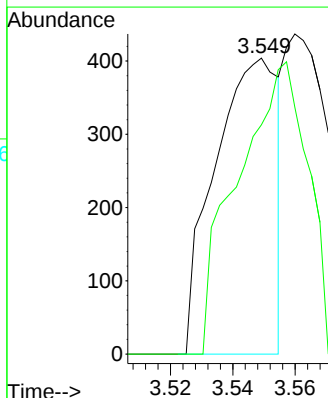
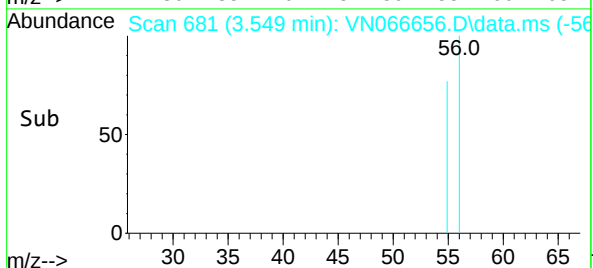


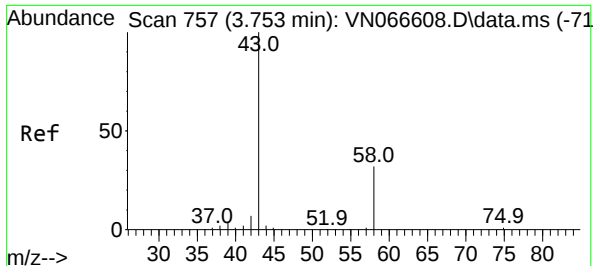
#13

Acrolein
Concen: 1.48 ug/l
RT: 3.549 min Scan# 681
Delta R.T. 0.005 min
Lab File: VN066656.D
Acq: 19 Apr 2021 12:44



Tgt Ion: 56 Resp: 566
Ion Ratio Lower Upper
56 100
55 109.5 56.0 84.0#

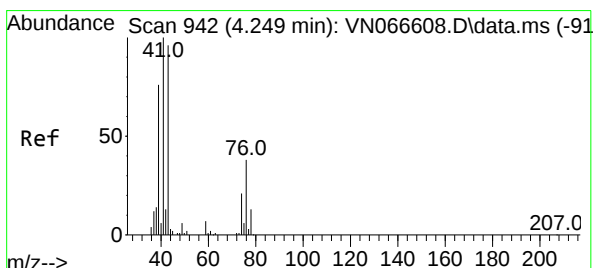
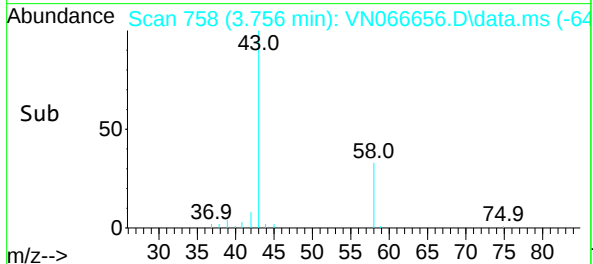
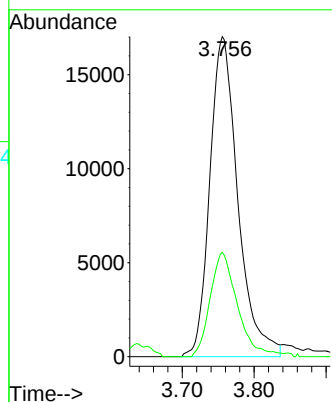
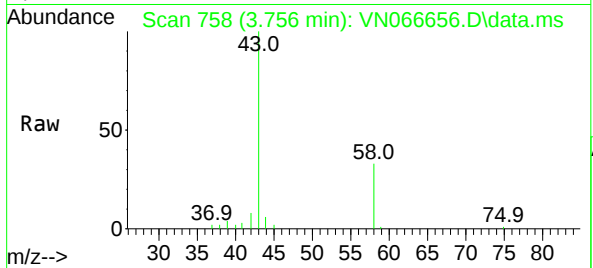




#16
Acetone
Concen: 21.05 ug/l
RT: 3.756 min Scan# 758
Delta R.T. 0.003 min
Lab File: VN066656.D
Acq: 19 Apr 2021 12:44

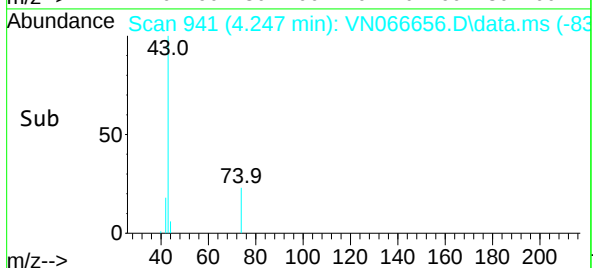
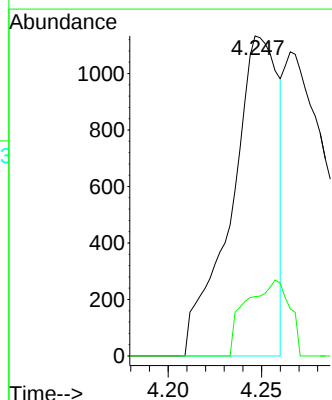
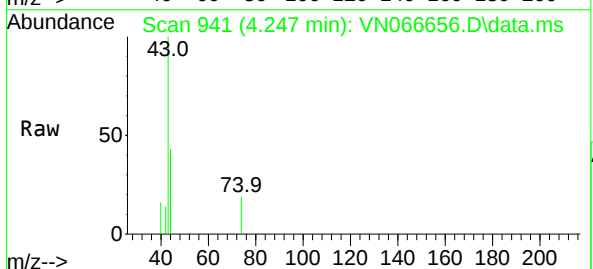
Instrument :
MSVOA_N
ClientSampled :

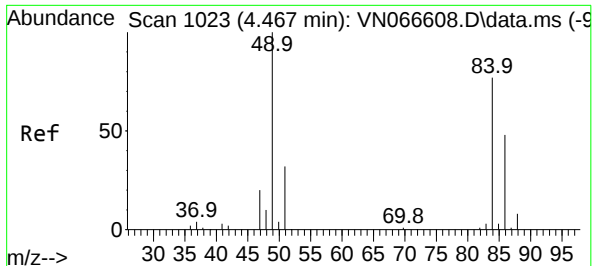
Tgt Ion: 43 Resp: 46195
Ion Ratio Lower Upper
43 100
58 32.6 27.0 40.6



#18
Methyl Acetate
Concen: 0.41 ug/l
RT: 4.247 min Scan# 941
Delta R.T. -0.002 min
Lab File: VN066656.D
Acq: 19 Apr 2021 12:44

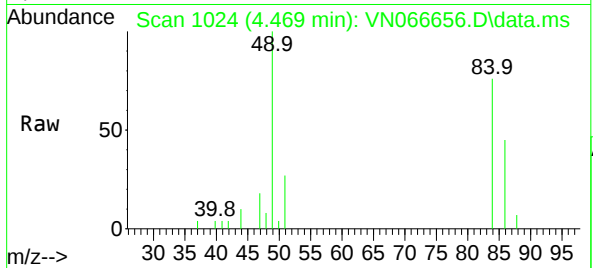
Tgt Ion: 43 Resp: 1986
Ion Ratio Lower Upper
43 100
74 21.6 19.5 29.3



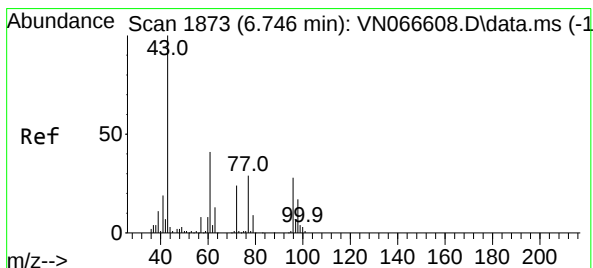
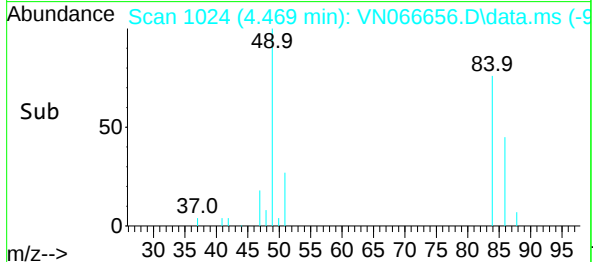
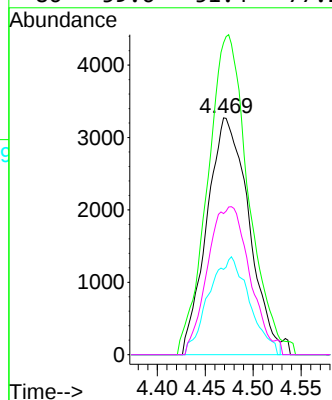


#20
Methylene Chloride
Concen: 2.35 ug/l
RT: 4.469 min Scan# 1024
Delta R.T. 0.002 min
Lab File: VN066656.D
Acq: 19 Apr 2021 12:44

Instrument :
MSVOA_N
ClientSampled :

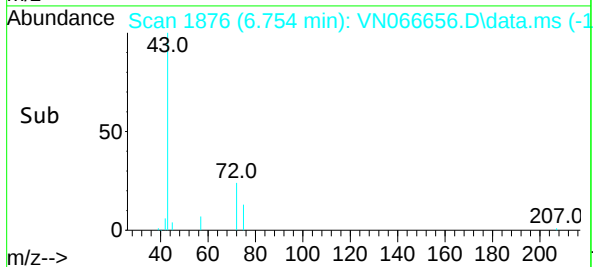
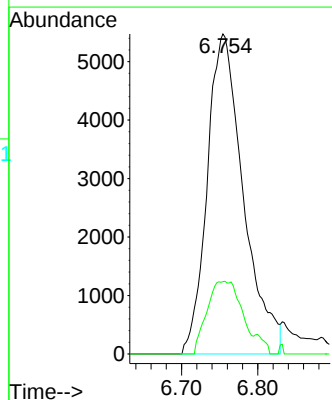
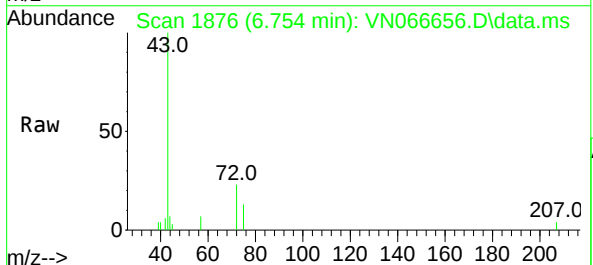


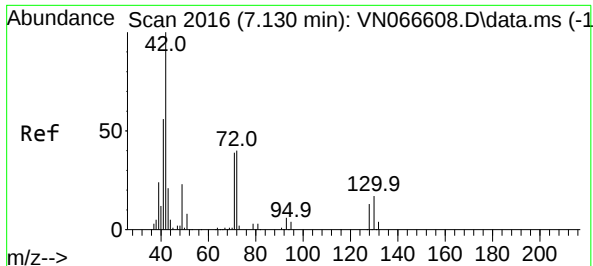
Tgt Ion:	84	Resp:	9933
Ion	Ratio	Lower	Upper
84	100		
49	125.6	94.6	141.8
51	36.0	29.9	44.9
86	59.6	51.4	77.2



#25
2-Butanone
Concen: 6.82 ug/l
RT: 6.754 min Scan# 1876
Delta R.T. 0.008 min
Lab File: VN066656.D
Acq: 19 Apr 2021 12:44

Tgt Ion:	43	Resp:	18009
Ion	Ratio	Lower	Upper
43	100		
72	22.6	23.1	34.7#





#29

Tetrahydrofuran

Concen: 0.85 ug/l

RT: 7.132 min Scan# 2017

Delta R.T. 0.002 min

Lab File: VN066656.D

Acq: 19 Apr 2021 12:44

Tgt Ion: 42 Resp: 1509

Ion Ratio Lower Upper

42 100

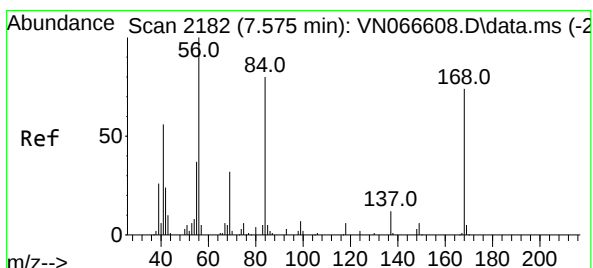
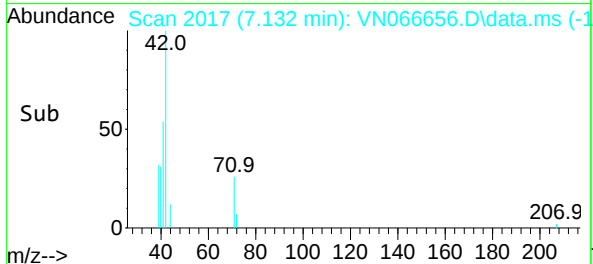
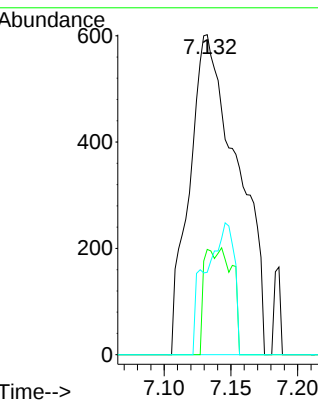
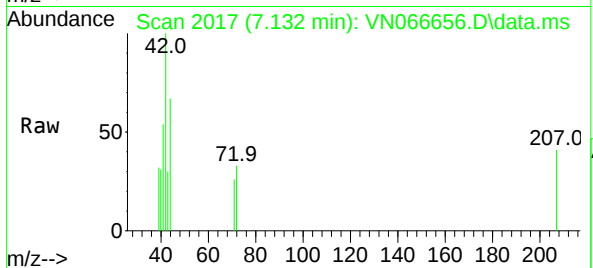
72 8.0 36.6 55.0#

71 24.3 34.3 51.5#

Instrument :

MSVOA_N

ClientSampled :



#31

Cyclohexane

Concen: 0.89 ug/l

RT: 7.591 min Scan# 2188

Delta R.T. 0.016 min

Lab File: VN066656.D

Acq: 19 Apr 2021 12:44

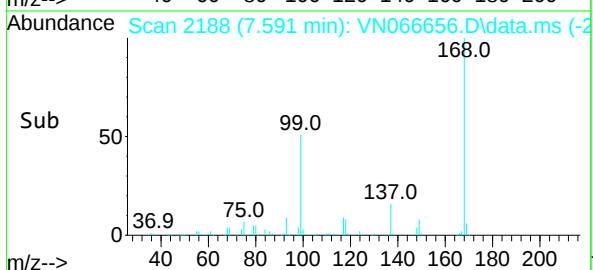
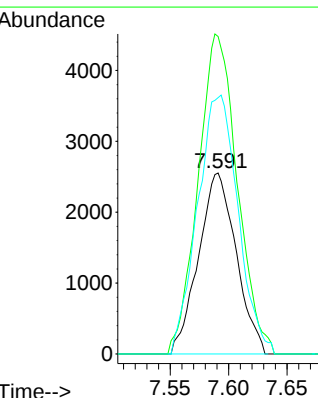
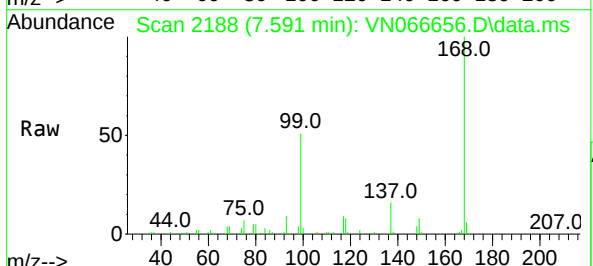
Tgt Ion: 56 Resp: 5723

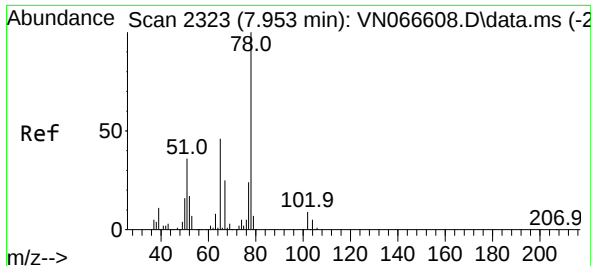
Ion Ratio Lower Upper

56 100

69 175.3 26.6 39.8#

84 141.6 70.4 105.6#

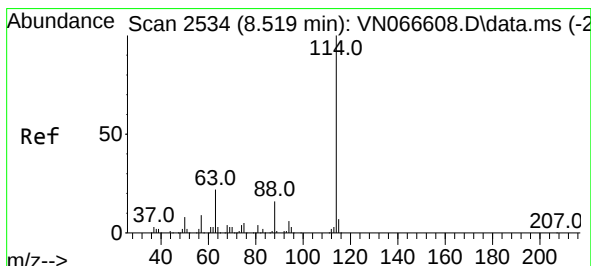
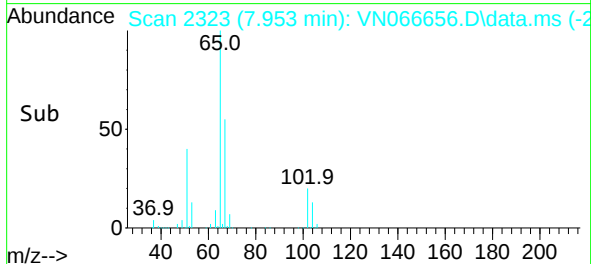
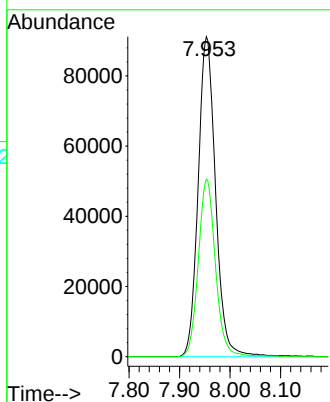
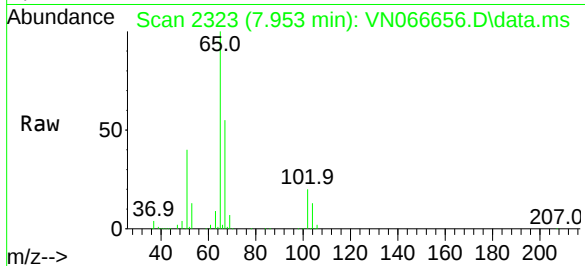




#33
 1,2-Dichloroethane-d4
 Concen: 48.69 ug/l
 RT: 7.953 min Scan# 2323
 Delta R.T. -0.000 min
 Lab File: VN066656.D
 Acq: 19 Apr 2021 12:44

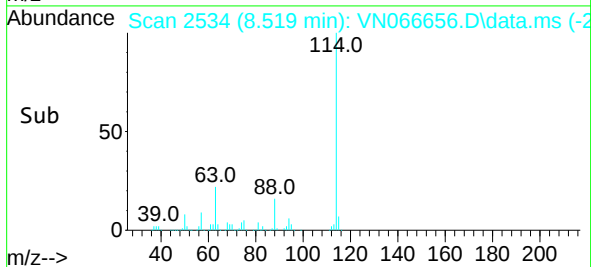
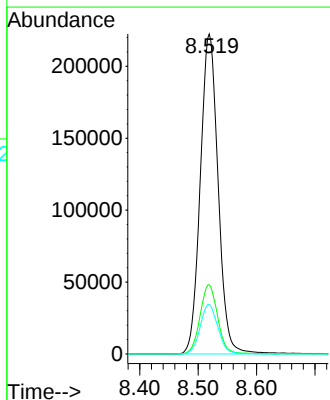
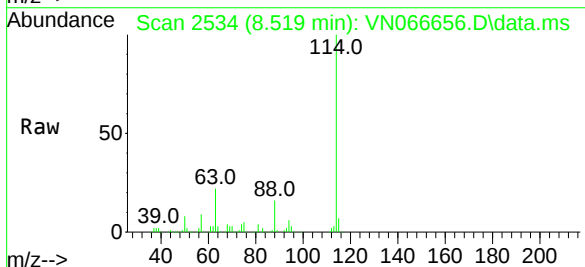
Instrument :
 MSVOA_N
 ClientSampled :

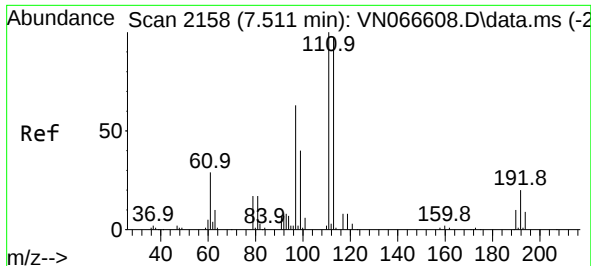
Tgt Ion: 65 Resp: 218242
 Ion Ratio Lower Upper
 65 100
 67 54.5 0.0 107.2



#34
 1,4-Difluorobenzene
 Concen: 50.00 ug/l
 RT: 8.519 min Scan# 2534
 Delta R.T. -0.000 min
 Lab File: VN066656.D
 Acq: 19 Apr 2021 12:44

Tgt Ion: 114 Resp: 471431
 Ion Ratio Lower Upper
 114 100
 63 21.7 0.0 38.6
 88 15.5 0.0 30.6

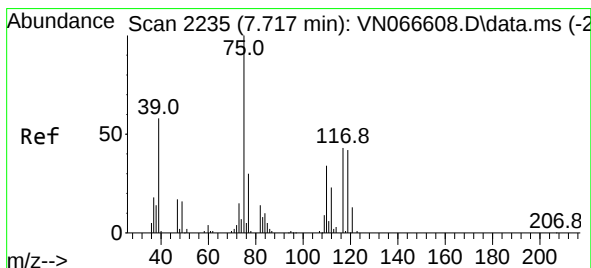
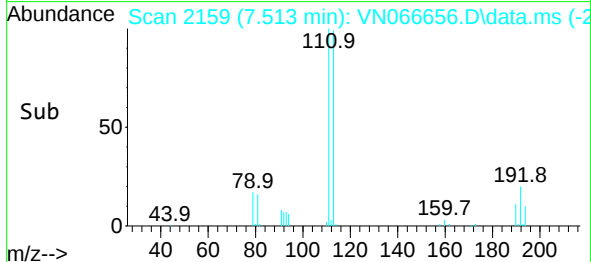
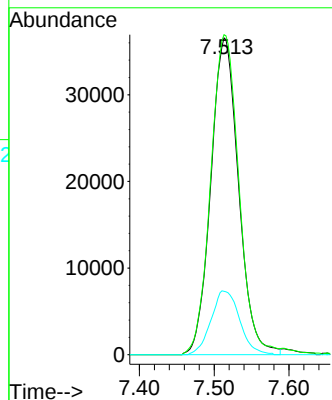
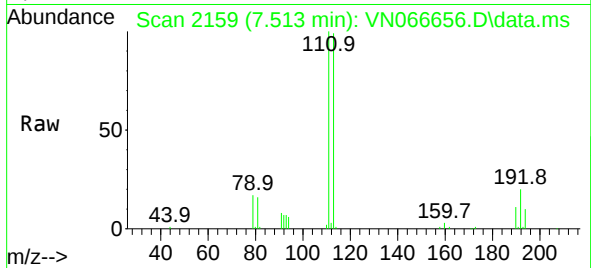




#35
Dibromofluoromethane
Concen: 28.82 ug/l
RT: 7.513 min Scan# 2159
Delta R.T. 0.002 min
Lab File: VN066656.D
Acq: 19 Apr 2021 12:44

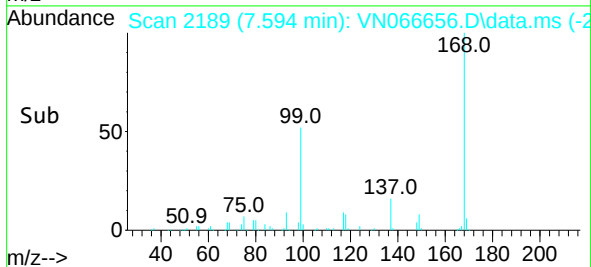
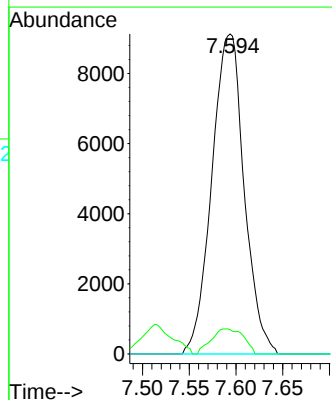
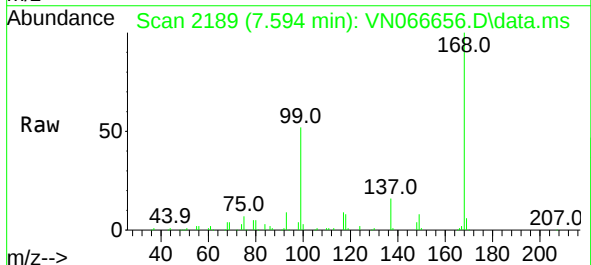
Instrument :
MSVOA_N
ClientSampleId :

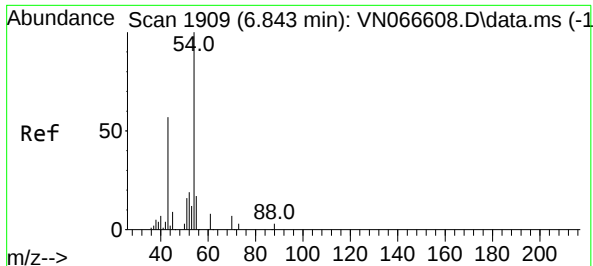
Tgt Ion:113 Resp: 94227
Ion Ratio Lower Upper
113 100
111 102.6 82.2 123.2
192 20.8 15.4 23.0



#36
1,1-Dichloropropene
Concen: 4.63 ug/l
RT: 7.594 min Scan# 2189
Delta R.T. -0.123 min
Lab File: VN066656.D
Acq: 19 Apr 2021 12:44

Tgt Ion: 75 Resp: 21981
Ion Ratio Lower Upper
75 100
110 7.8 18.2 54.6#
77 0.0 24.9 37.3#





#37

Ethyl Acetate

Concen: 3.34 ug/l

RT: 6.754 min Scan# 1876

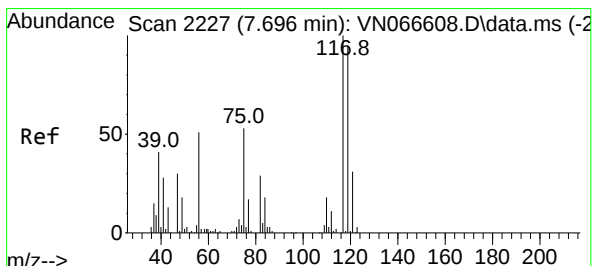
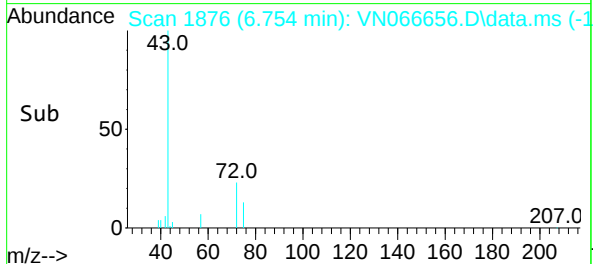
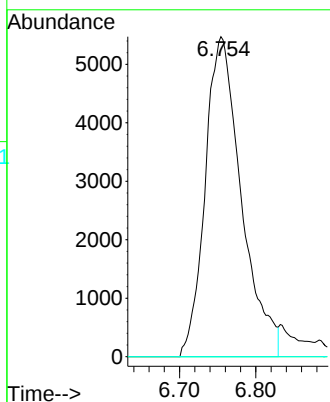
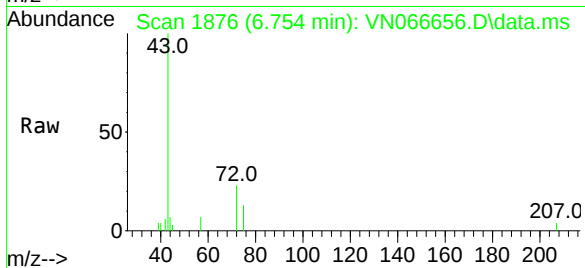
Delta R.T. -0.089 min

Lab File: VN066656.D

Acq: 19 Apr 2021 12:44

Tgt Ion:	43	Resp:	18009
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: 6.08 ug/l

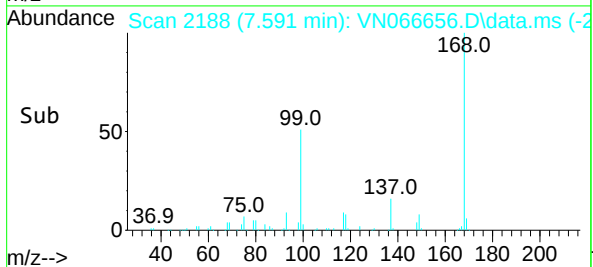
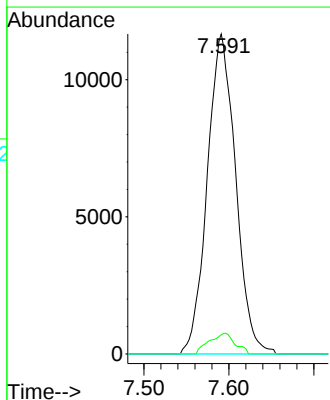
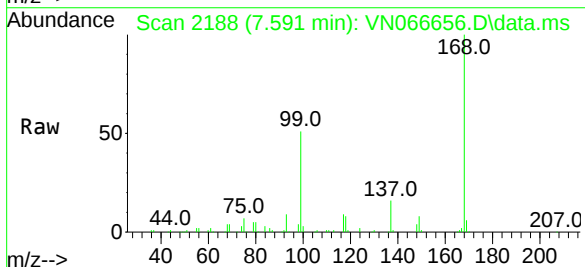
RT: 7.591 min Scan# 2188

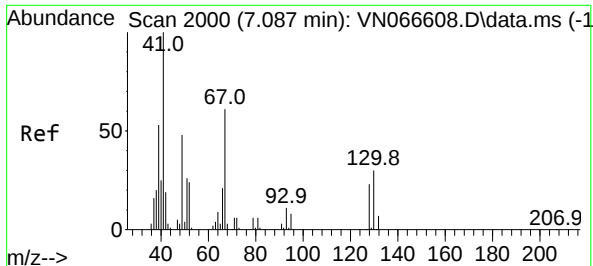
Delta R.T. -0.105 min

Lab File: VN066656.D

Acq: 19 Apr 2021 12:44

Tgt Ion:	117	Resp:	27044
Ion	Ratio	Lower	Upper
117	100		
119	6.0	76.0	114.0#
121	0.0	24.5	36.7#





#41

Methacrylonitrile

Concen: 0.36 ug/l

RT: 7.130 min Scan# 2016

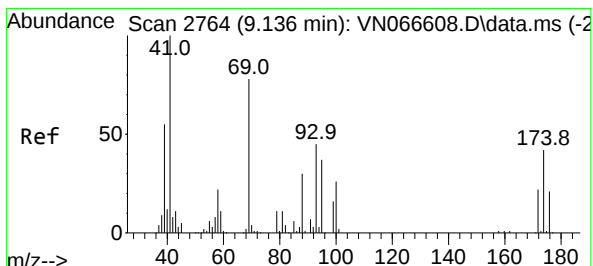
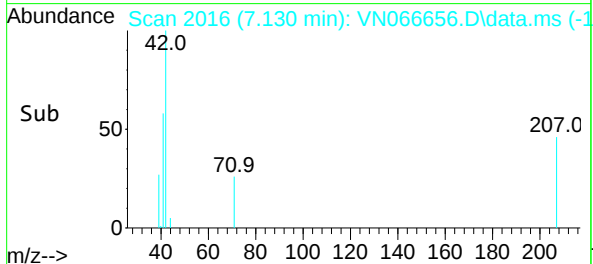
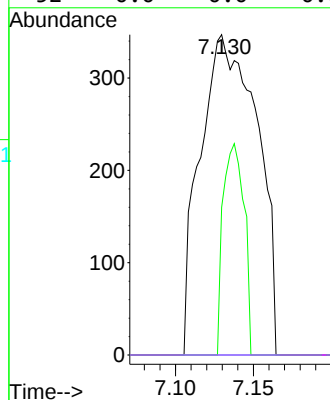
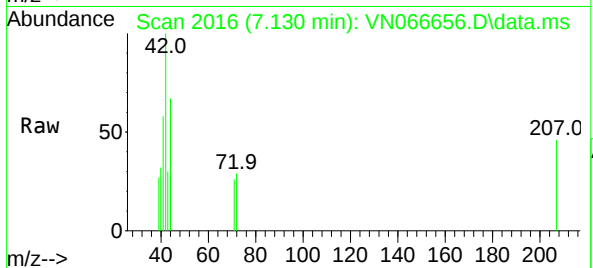
Delta R.T. 0.043 min

Lab File: VN066656.D

Acq: 19 Apr 2021 12:44

Instrument :
MSVOA_N
ClientSampled :

Tgt Ion: 41	Resp: 882
Ion Ratio	Lower Upper
41 100	
39 24.3	0.0 0.0#
67 0.0	0.0 0.0
52 0.0	0.0 0.0



#48

Methyl methacrylate

Concen: 1.41 ug/l

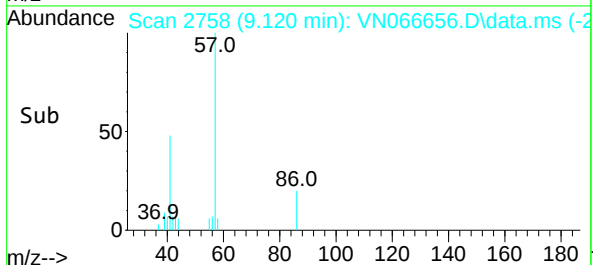
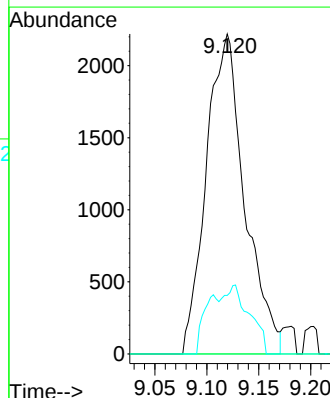
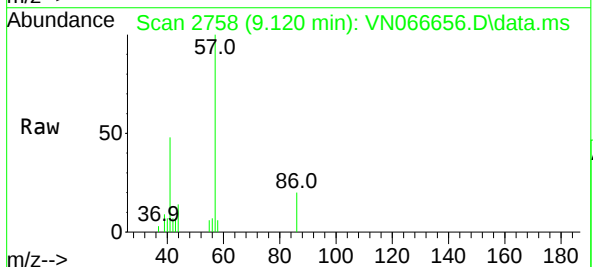
RT: 9.120 min Scan# 2758

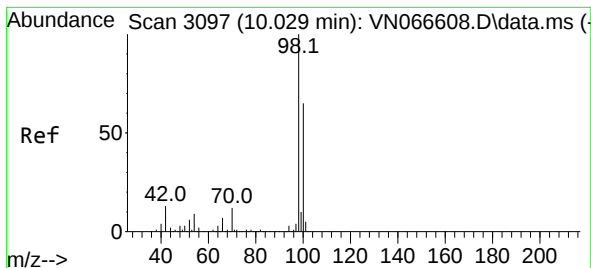
Delta R.T. -0.016 min

Lab File: VN066656.D

Acq: 19 Apr 2021 12:44

Tgt Ion: 41	Resp: 5709
Ion Ratio	Lower Upper
41 100	
69 0.0	75.9 113.9#
39 7.5	46.6 69.8#

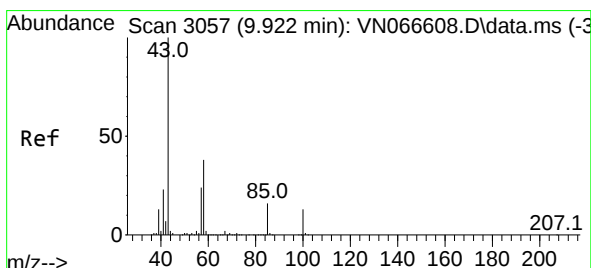
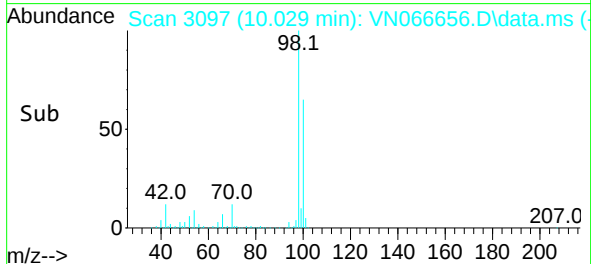
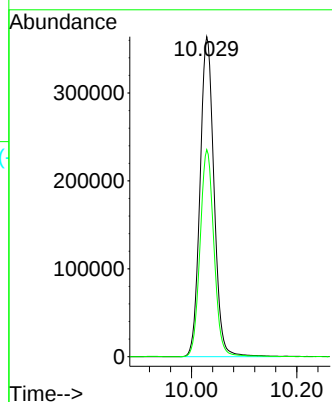
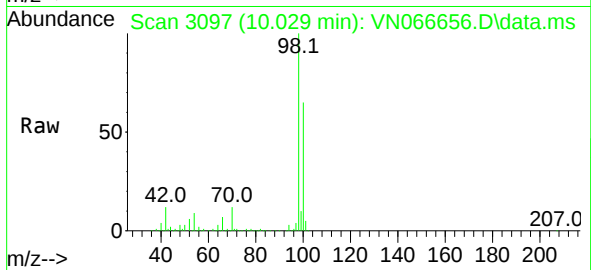




#50
Toluene-d8
Concen: 52.37 ug/l
RT: 10.029 min Scan# 3097
Delta R.T. -0.000 min
Lab File: VN066656.D
Acq: 19 Apr 2021 12:44

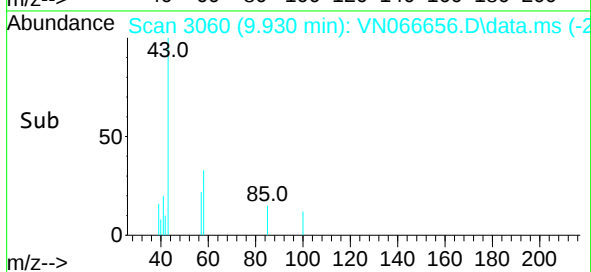
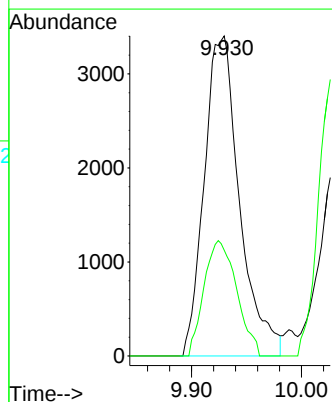
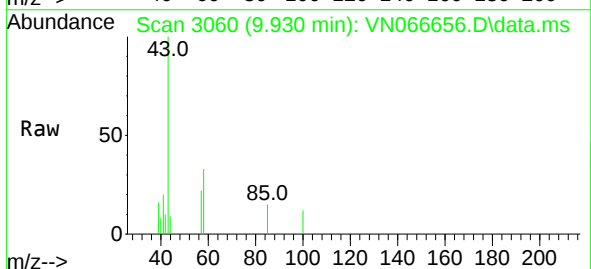
Instrument :
MSVOA_N
ClientSampled :

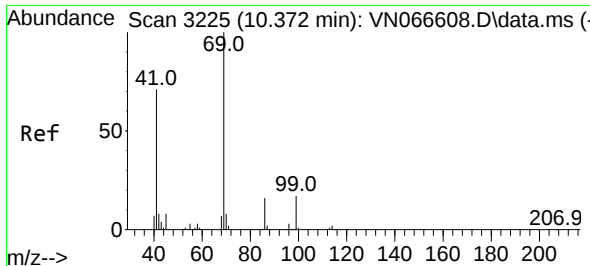
Tgt Ion: 98 Resp: 671011
Ion Ratio Lower Upper
98 100
100 64.2 50.5 75.7



#51
4-Methyl-2-Pentanone
Concen: 1.43 ug/l
RT: 9.930 min Scan# 3060
Delta R.T. 0.008 min
Lab File: VN066656.D
Acq: 19 Apr 2021 12:44

Tgt Ion: 43 Resp: 7586
Ion Ratio Lower Upper
43 100
58 33.3 32.5 48.7

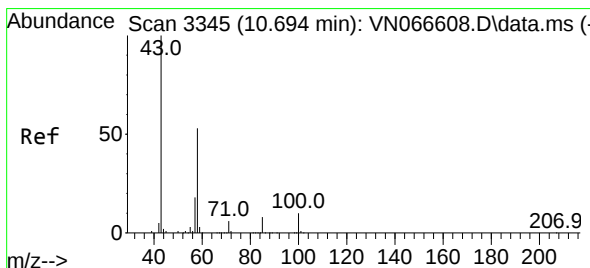
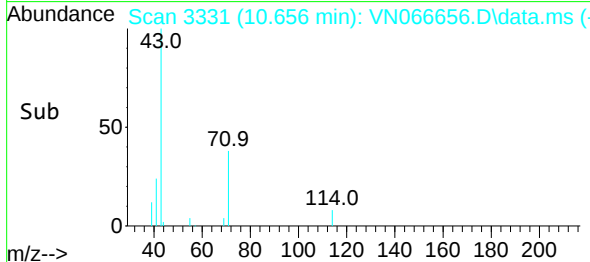
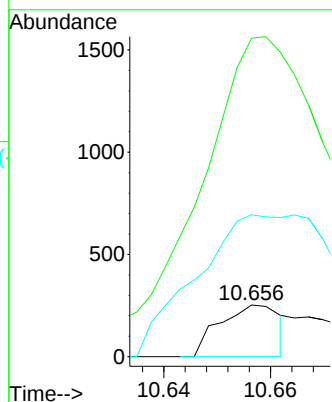
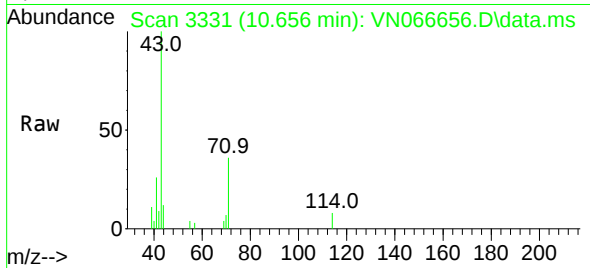




#56
Ethyl methacrylate
Concen: 0.93 ug/l
RT: 10.656 min Scan# 3331
Delta R.T. 0.284 min
Lab File: VN066656.D
Acq: 19 Apr 2021 12:44

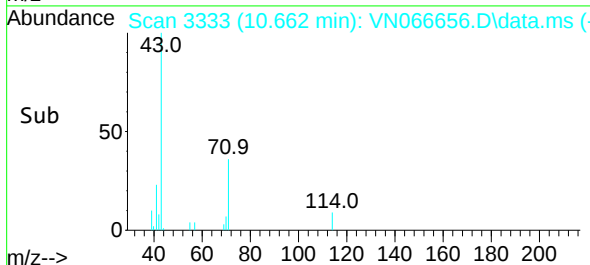
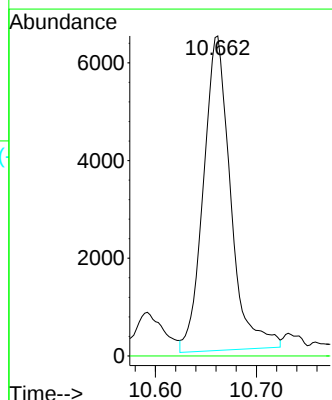
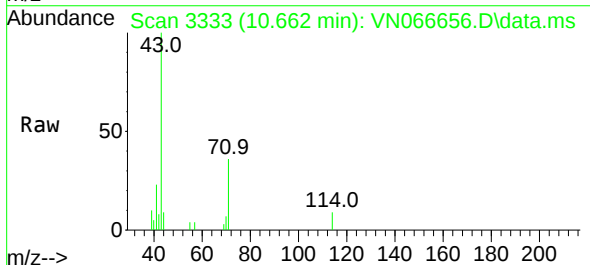
Instrument :
MSVOA_N
ClientSampled :

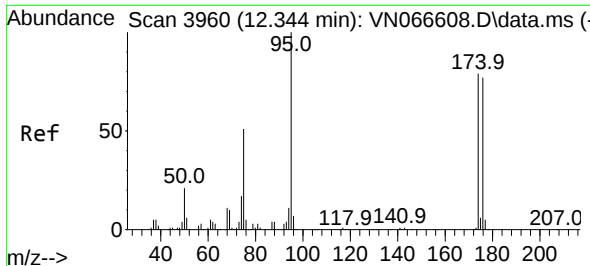
Tgt Ion: 69 Resp: 197
Ion Ratio Lower Upper
69 100
41 686.8 49.6 74.4#
39 395.4 28.0 42.0#



#59
2-Hexanone
Concen: 8.00 ug/l
RT: 10.662 min Scan# 3333
Delta R.T. -0.032 min
Lab File: VN066656.D
Acq: 19 Apr 2021 12:44

Tgt Ion: 43 Resp: 12039
Ion Ratio Lower Upper
43 100
58 0.0 28.1 84.3#

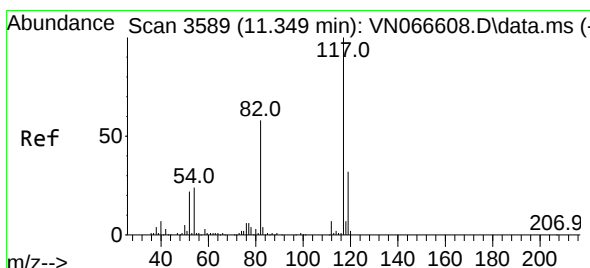
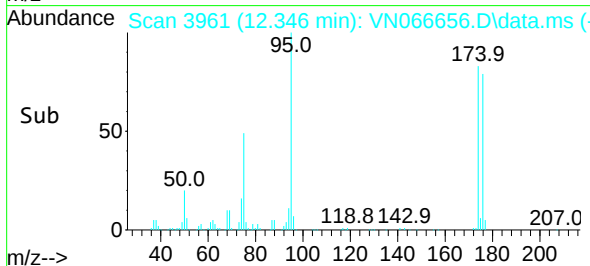
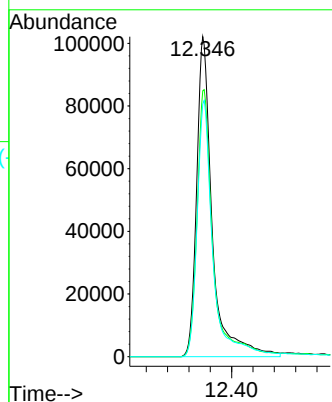
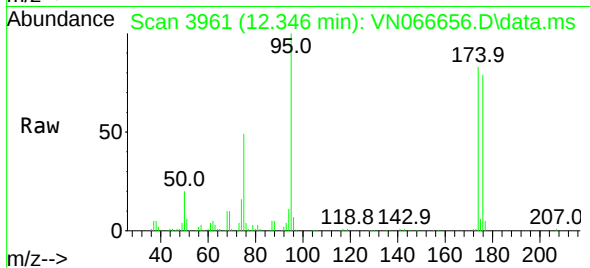




#62
4-Bromofluorobenzene
Concen: 46.25 ug/l
RT: 12.346 min Scan# 3961
Delta R.T. 0.002 min
Lab File: VN066656.D
Acq: 19 Apr 2021 12:44

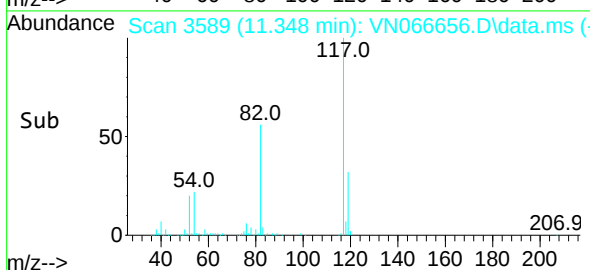
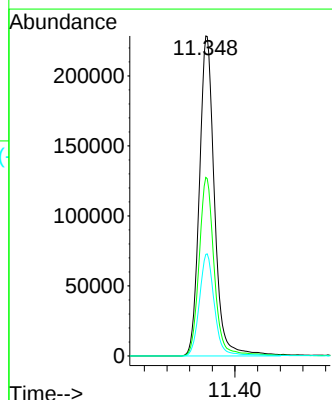
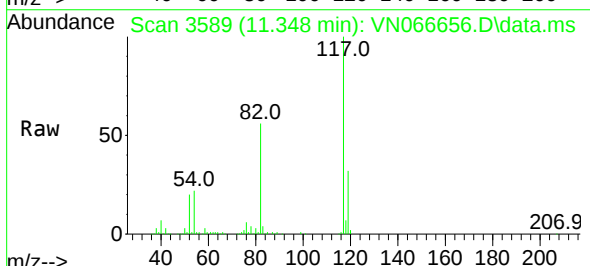
Instrument :
MSVOA_N
ClientSampled :

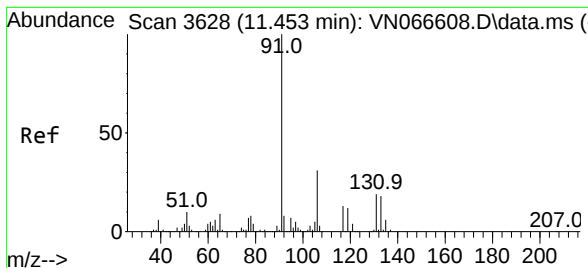
Tgt Ion: 95 Resp: 208398
Ion Ratio Lower Upper
95 100
174 84.6 0.0 169.0
176 79.9 0.0 162.4



#63
Chlorobenzene-d5
Concen: 50.00 ug/l
RT: 11.348 min Scan# 3589
Delta R.T. -0.001 min
Lab File: VN066656.D
Acq: 19 Apr 2021 12:44

Tgt Ion: 117 Resp: 422458
Ion Ratio Lower Upper
117 100
82 55.8 43.7 65.5
119 31.7 26.1 39.1

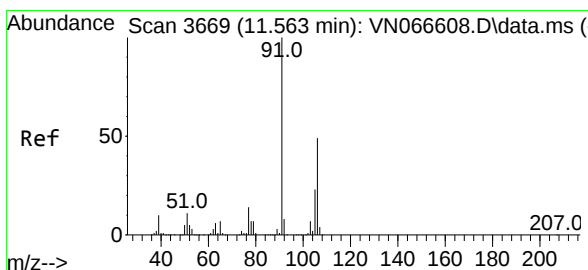
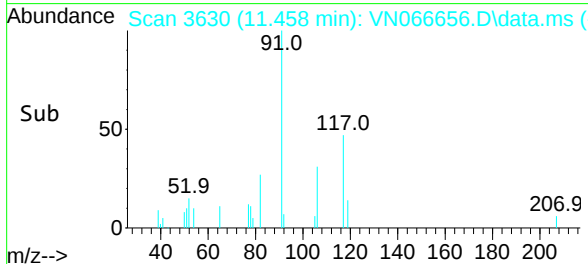
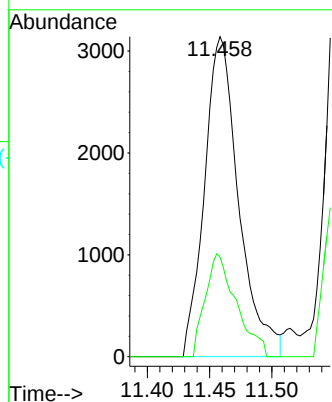
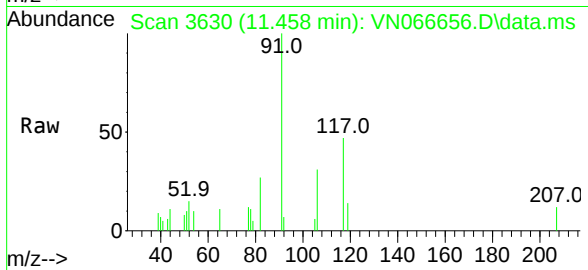




#67
Ethyl Benzene
Concen: 0.38 ug/l
RT: 11.458 min Scan# 3630
Delta R.T. 0.005 min
Lab File: VN066656.D
Acq: 19 Apr 2021 12:44

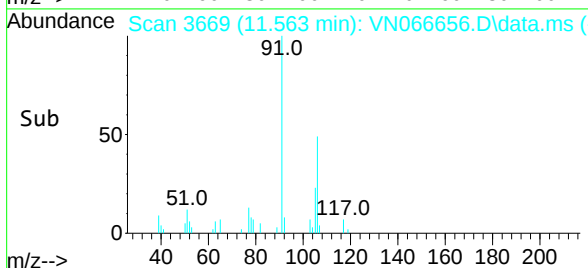
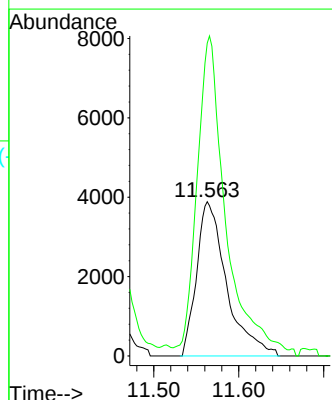
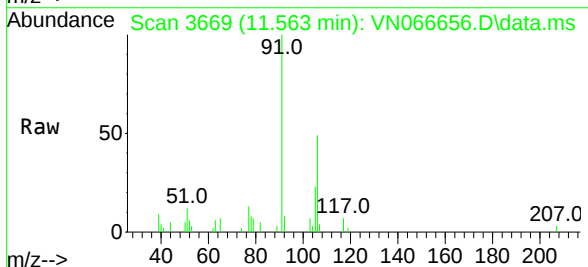
Instrument :
MSVOA_N
ClientSampled :

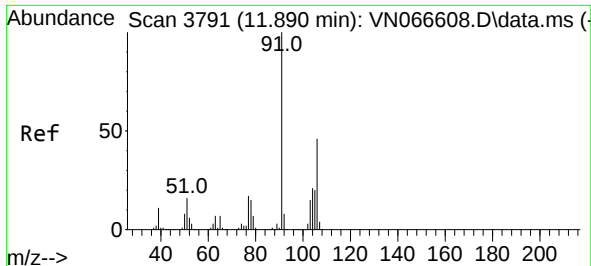
Tgt Ion: 91 Resp: 6008
Ion Ratio Lower Upper
91 100
106 31.2 25.5 38.3



#68
m/p-Xylenes
Concen: 1.64 ug/l
RT: 11.563 min Scan# 3669
Delta R.T. -0.000 min
Lab File: VN066656.D
Acq: 19 Apr 2021 12:44

Tgt Ion:106 Resp: 9546
Ion Ratio Lower Upper
106 100
91 200.2 161.4 242.0

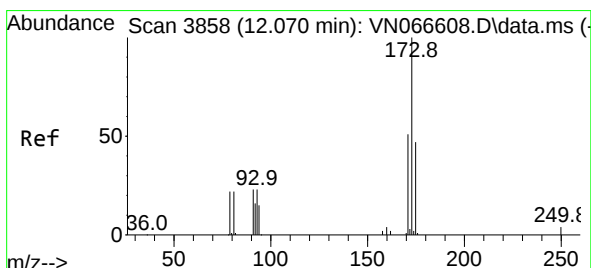
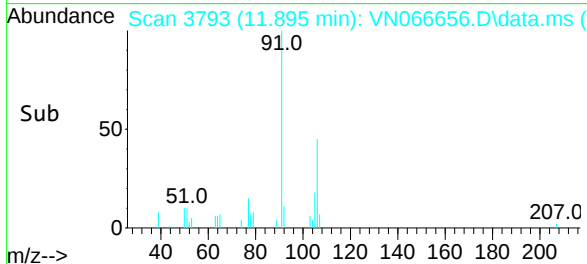
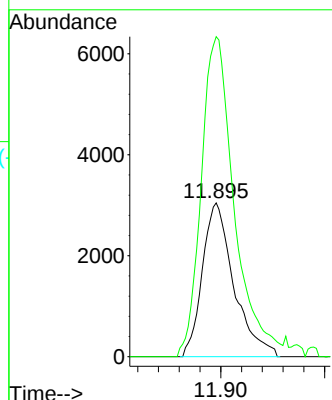
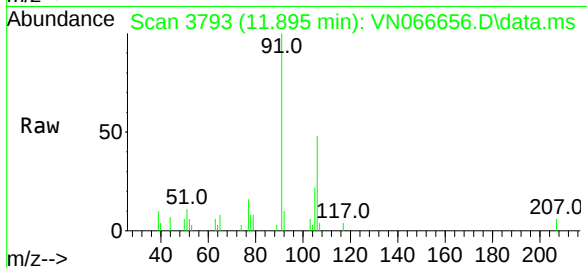




#69
o-Xylene
Concen: 1.13 ug/l
RT: 11.895 min Scan# 3793
Delta R.T. 0.005 min
Lab File: VN066656.D
Acq: 19 Apr 2021 12:44

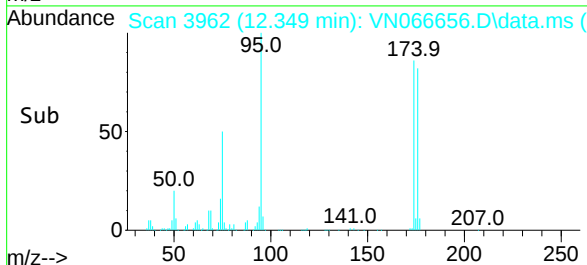
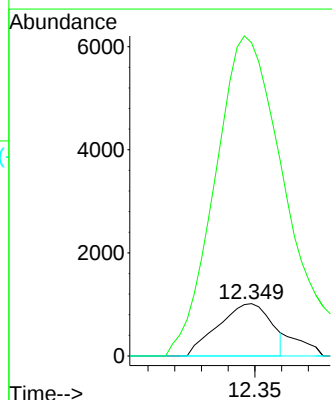
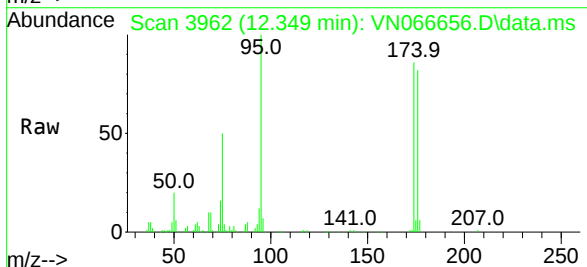
Instrument :
MSVOA_N
ClientSampled :

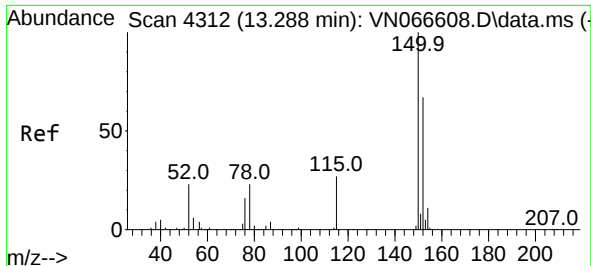
Tgt Ion:106 Resp: 6415
Ion Ratio Lower Upper
106 100
91 217.8 106.8 320.4



#71
Bromoform
Concen: 0.56 ug/l
RT: 12.349 min Scan# 3962
Delta R.T. 0.279 min
Lab File: VN066656.D
Acq: 19 Apr 2021 12:44

Tgt Ion:173 Resp: 1400
Ion Ratio Lower Upper
173 100
175 664.5 23.8 71.2#
254 0.0 0.0 0.0

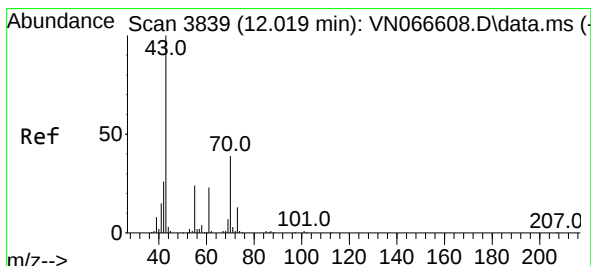
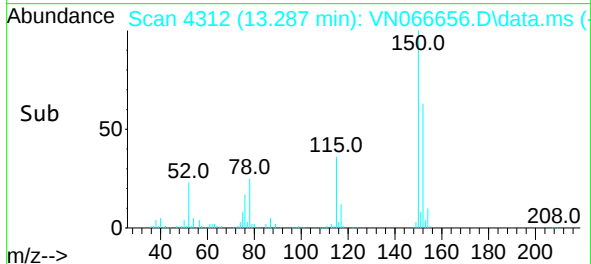
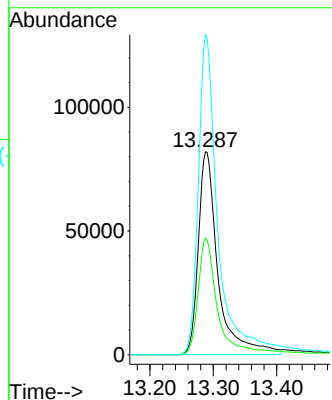
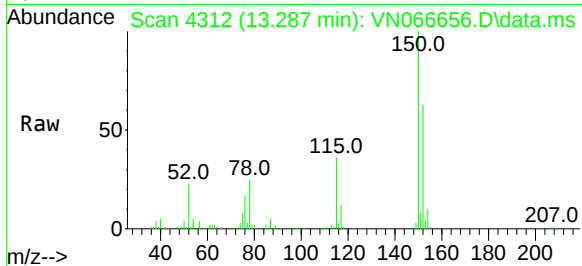




#72
1,4-Dichlorobenzene-d4
Concen: 50.00 ug/l
RT: 13.287 min Scan# 4312
Delta R.T. -0.001 min
Lab File: VN066656.D
Acq: 19 Apr 2021 12:44

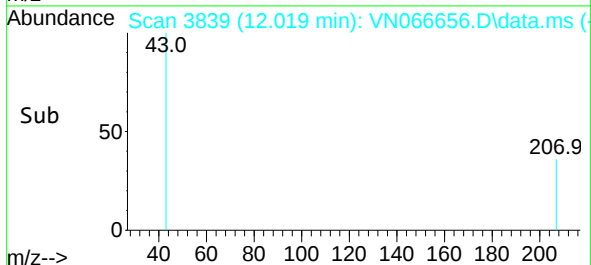
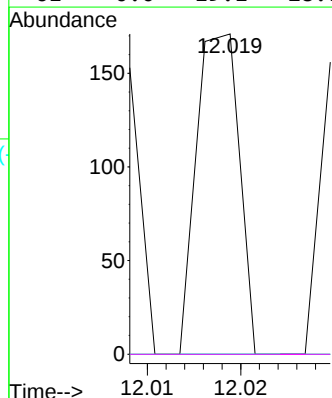
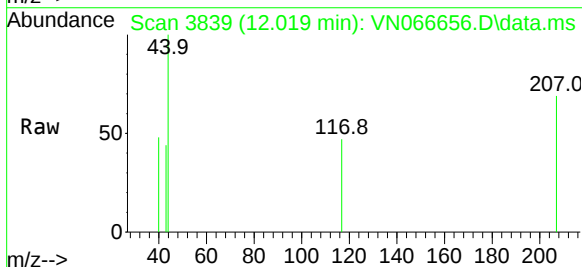
Instrument :
MSVOA_N
ClientSampleId :

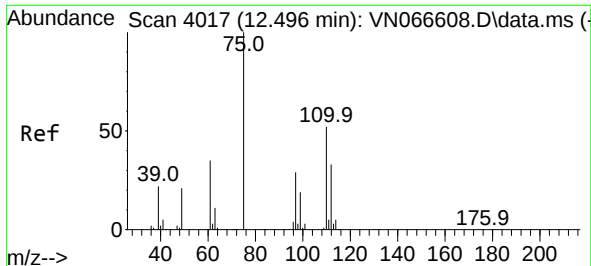
Tgt Ion:152 Resp: 177517
Ion Ratio Lower Upper
152 100
115 57.5 28.5 85.6
150 160.1 0.0 347.6



#74
N-ethyl acetate
Concen: 9.73 ug/l
RT: 12.019 min Scan# 3839
Delta R.T. -0.000 min
Lab File: VN066656.D
Acq: 19 Apr 2021 12:44

Tgt Ion: 43 Resp: 54
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#

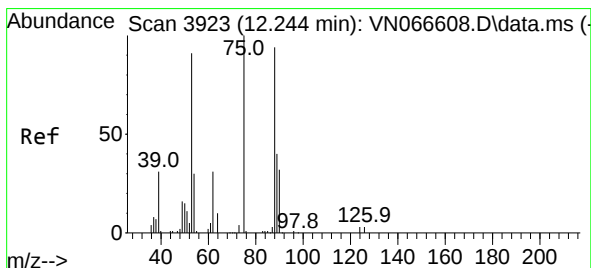
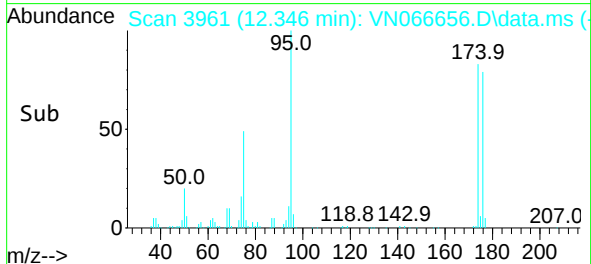
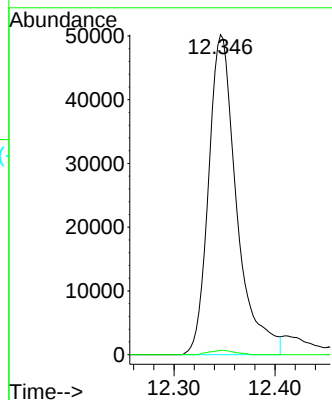
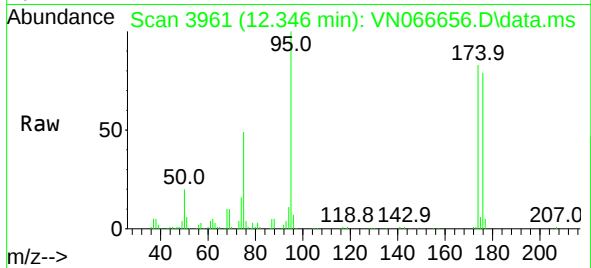




#76
1,2,3-Trichloropropane
Concen: 23.35 ug/l
RT: 12.346 min Scan# 3961
Delta R.T. -0.150 min
Lab File: VN066656.D
Acq: 19 Apr 2021 12:44

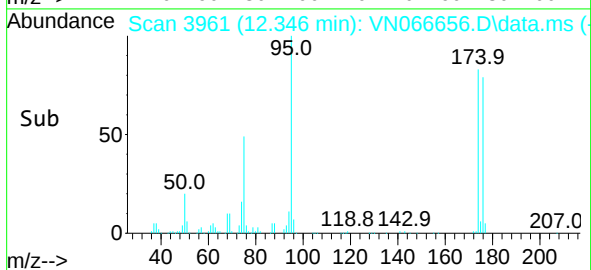
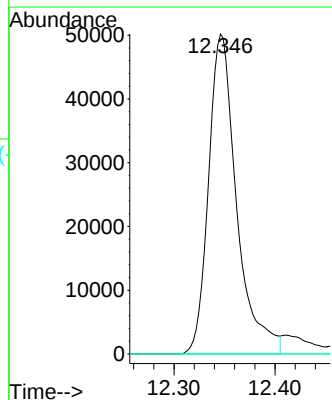
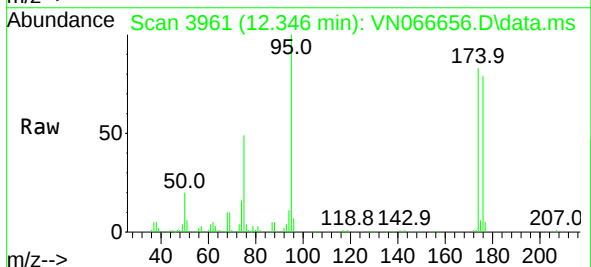
Instrument :
MSVOA_N
ClientSampled :

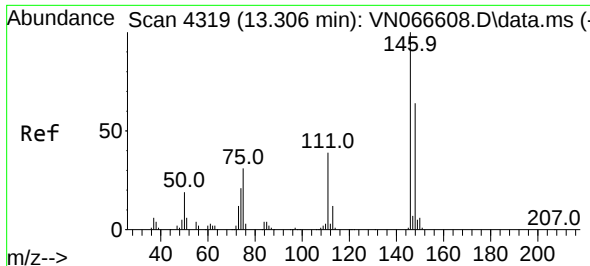
Tgt Ion: 75 Resp: 96924
Ion Ratio Lower Upper
75 100
77 1.2 0.0 0.0#



#81
trans-1,4-Dichloro-2-butene
Concen: 72.24 ug/l
RT: 12.346 min Scan# 3961
Delta R.T. 0.102 min
Lab File: VN066656.D
Acq: 19 Apr 2021 12:44

Tgt Ion: 75 Resp: 96924
Ion Ratio Lower Upper
75 100
53 0.0 74.6 111.8#
89 0.0 35.8 53.8#

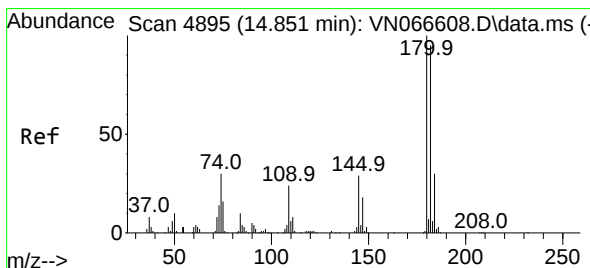
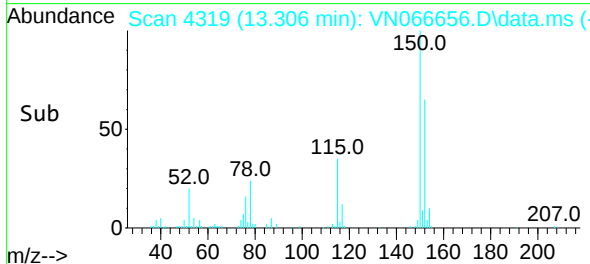
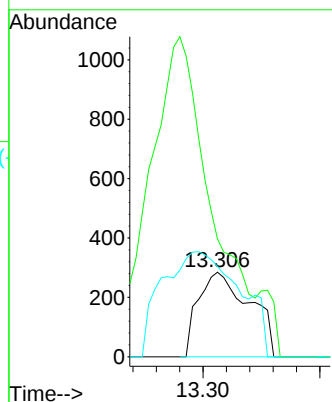
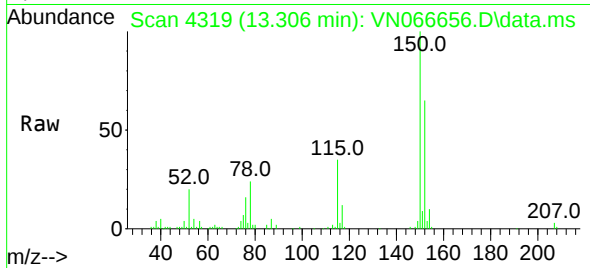




#88
1,4-Dichlorobenzene
Concen: Below Cal
RT: 13.306 min Scan# 4319
Delta R.T. 0.000 min
Lab File: VN066656.D
Acq: 19 Apr 2021 12:44

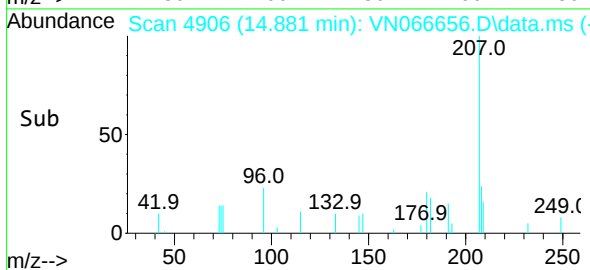
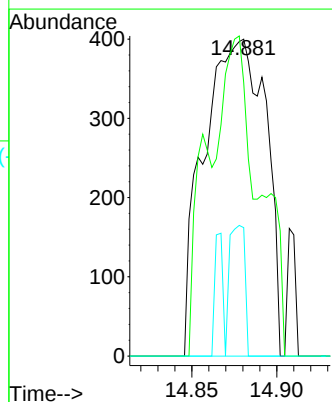
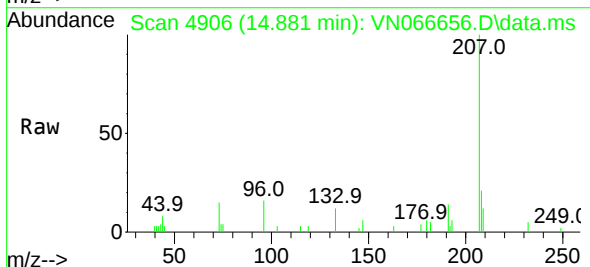
Instrument :
MSVOA_N
ClientSampleId :

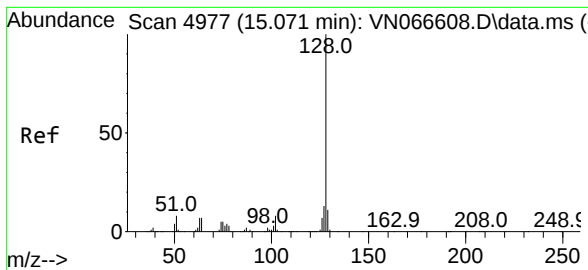
Tgt Ion:146 Resp: 436
Ion Ratio Lower Upper
146 100
111 451.4 19.0 57.0#
148 188.1 31.8 95.3#



#93
1,2,4-Trichlorobenzene
Concen: 0.31 ug/l
RT: 14.881 min Scan# 4906
Delta R.T. 0.030 min
Lab File: VN066656.D
Acq: 19 Apr 2021 12:44

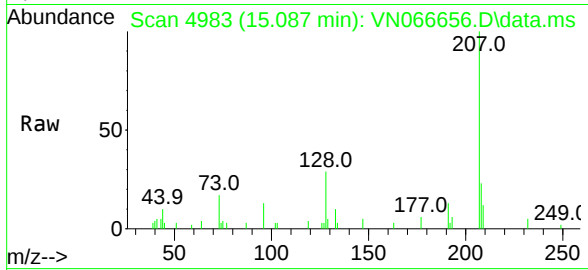
Tgt Ion:180 Resp: 1010
Ion Ratio Lower Upper
180 100
182 27.3 47.3 142.0#
145 10.2 15.6 46.8#





#95
Naphthalene
Concen: 0.64 ug/l
RT: 15.087 min Scan# 4983
Delta R.T. 0.016 min
Lab File: VN066656.D
Acq: 19 Apr 2021 12:44

Instrument :
MSVOA_N
ClientSampleId :



Tgt Ion	Ratio	Lower	Upper
128	100		
127	6.4	10.2	15.2#
129	8.9	8.6	13.0

