

Data Path : Z:\voasrv\HPCHEM1\MSVOA_N\Data\VN041921\
 Data File : VN066662.D
 Acq On : 19 Apr 2021 15:06
 Operator : JC/MD
 Sample : M2075-17
 Misc : 5.00mL/MSVOA_N/WATER
 ALS Vial : 13 Sample Multiplier: 1

Instrument :
 MSVOA_N
 ClientSampleId :

Quant Time: Apr 20 04:56:43 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)

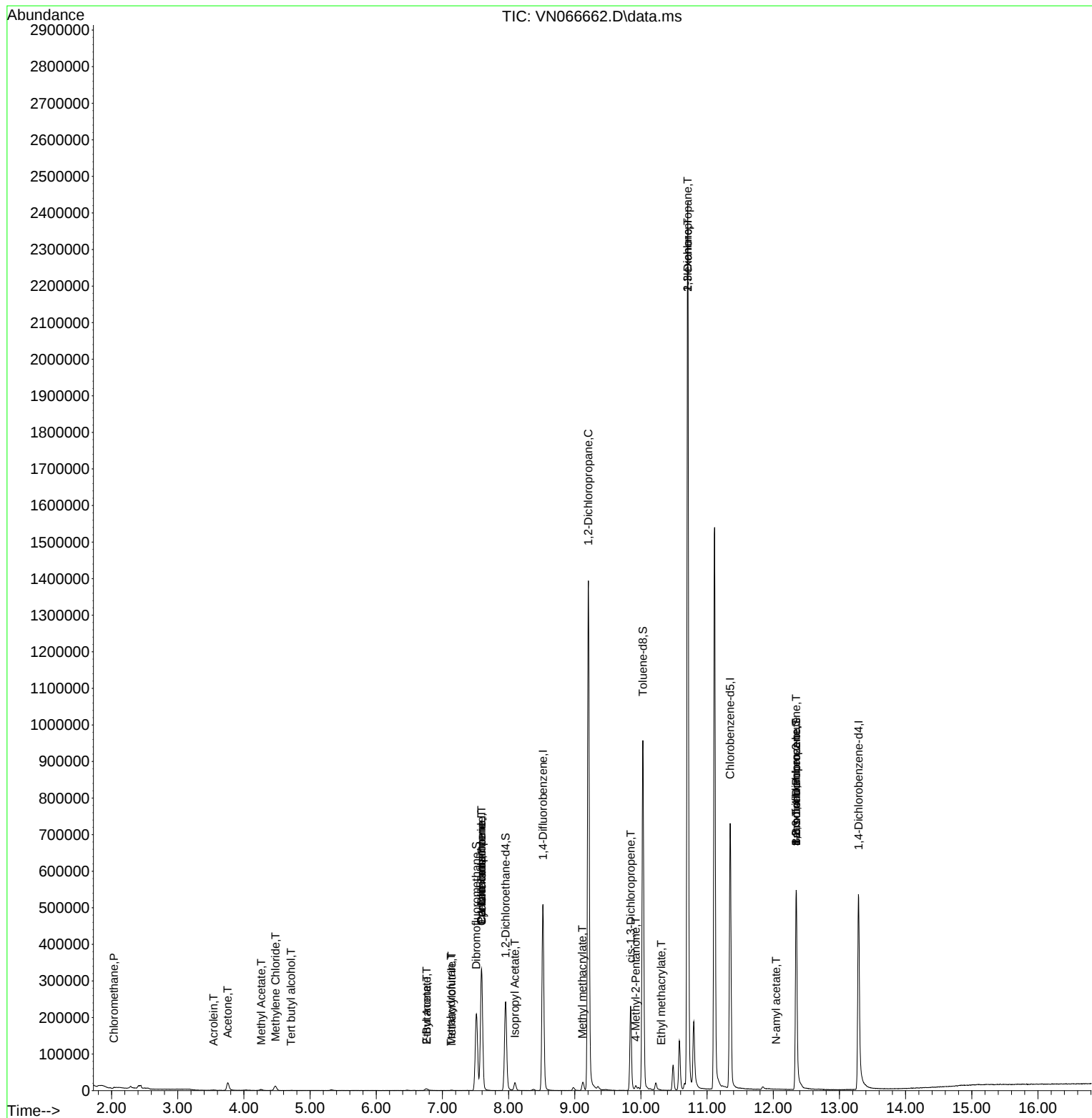
Internal Standards						
1) Pentafluorobenzene	7.591	168	289719	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	8.519	114	455555	50.00	ug/l	0.00
63) Chlorobenzene-d5	11.348	117	434614	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.287	152	185779	50.00	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	7.953	65	209475	47.93	ug/l	0.00
Spiked Amount 50.000	Range 61 - 141		Recovery = 95.86%			
35) Dibromofluoromethane	7.513	113	168109	53.21	ug/l	0.00
Spiked Amount 50.000	Range 69 - 133		Recovery = 106.42%			
50) Toluene-d8	10.029	98	661889	53.46	ug/l	0.00
Spiked Amount 50.000	Range 65 - 126		Recovery = 106.92%			
62) 4-Bromofluorobenzene	12.346	95	214985	49.38	ug/l	0.00
Spiked Amount 50.000	Range 58 - 135		Recovery = 98.76%			
Target Compounds						Qvalue
3) Chloromethane	2.037	50	1356	0.26	ug/l	98
11) Tert butyl alcohol	4.711	59	402	0.57	ug/l #	73
13) Acrolein	3.541	56	264	0.71	ug/l #	74
16) Acetone	3.756	43	36039	15.08	ug/l	97
18) Methyl Acetate	4.263	43	6048	1.28	ug/l #	54
20) Methylene Chloride	4.477	84	8953	2.17	ug/l	92
25) 2-Butanone	6.760	43	10788	4.19	ug/l	94
29) Tetrahydrofuran	7.130	42	1097	0.63	ug/l #	45
31) Cyclohexane	7.594	56	5611	0.89	ug/l #	1
36) 1,1-Dichloropropene	7.591	75	20852	4.54	ug/l #	48
37) Ethyl Acetate	6.760	43	10788	2.07	ug/l #	68
38) Carbon Tetrachloride	7.591	117	25828	6.00	ug/l #	17
41) Methacrylonitrile	7.140	41	621	0.26	ug/l #	100
43) Isopropyl Acetate	8.095	43	26816	3.08	ug/l #	86
45) 1,2-Dichloropropane	9.203	63	1787	0.44	ug/l #	44
48) Methyl methacrylate	9.114	41	6091	1.56	ug/l #	10
51) 4-Methyl-2-Pentanone	9.922	43	9329	1.82	ug/l	93
54) cis-1,3-Dichloropropene	9.847	75	41958	6.99	ug/l #	64
56) Ethyl methacrylate	10.305	69	129	0.92	ug/l #	27
57) 1,3-Dichloropropane	10.707	76	24105	4.02	ug/l #	43
59) 2-Hexanone	10.707	43	354897	100.30	ug/l #	49
71) Bromoform	12.346	173	1500	0.58	ug/l #	1
74) N-amyl acetate	12.043	43	115	9.75	ug/l #	42
76) 1,2,3-Trichloropropane	12.346	75	106089	24.42	ug/l #	100
81) trans-1,4-Dichloro-2-b...	12.346	75	106089	75.46	ug/l #	12

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

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ClientSampleId :

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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

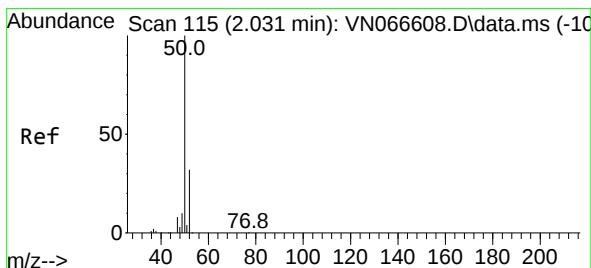
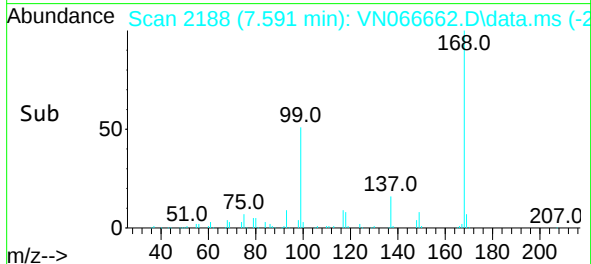
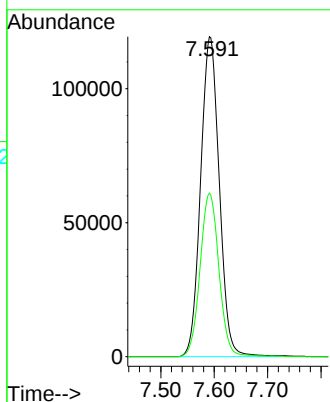
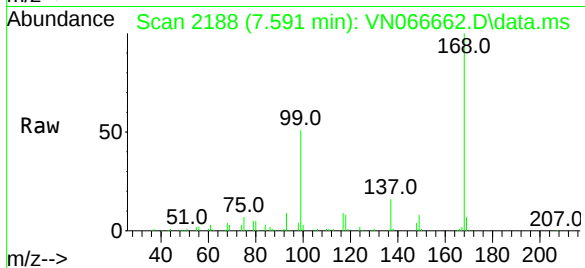




#1
Pentafluorobenzene
Concen: 50.00 ug/l
RT: 7.591 min Scan# 2188
Delta R.T. 0.003 min
Lab File: VN066662.D
Acq: 19 Apr 2021 15:06

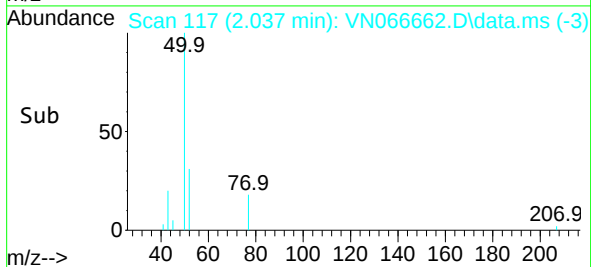
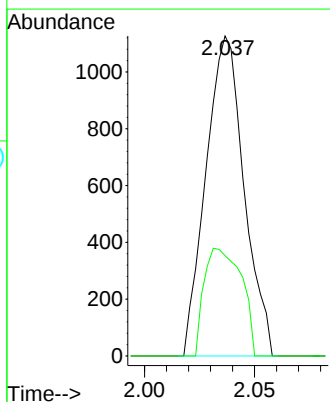
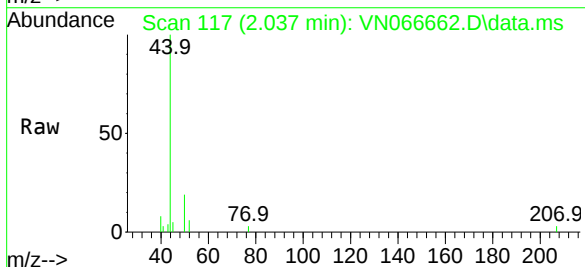
Instrument :
MSVOA_N
ClientSampled :

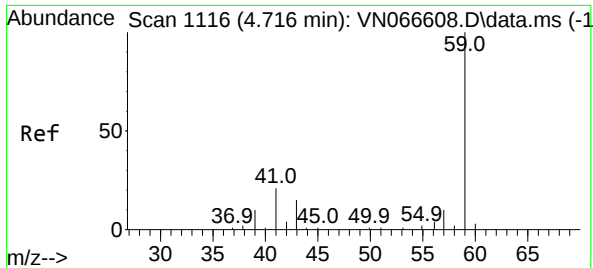
Tgt Ion:168 Resp: 289719
Ion Ratio Lower Upper
168 100
99 51.1 42.6 63.8



#3
Chloromethane
Concen: 0.26 ug/l
RT: 2.037 min Scan# 117
Delta R.T. 0.006 min
Lab File: VN066662.D
Acq: 19 Apr 2021 15:06

Tgt Ion: 50 Resp: 1356
Ion Ratio Lower Upper
50 100
52 31.3 25.8 38.8

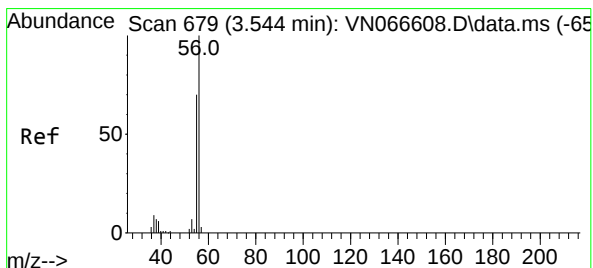
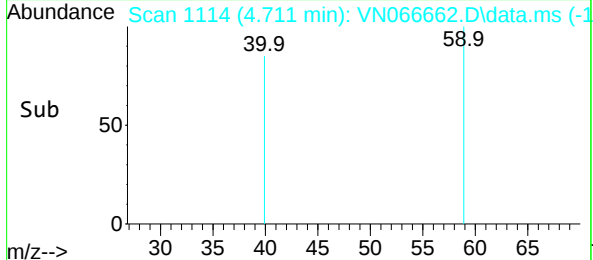
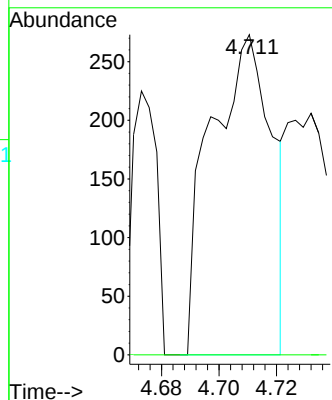
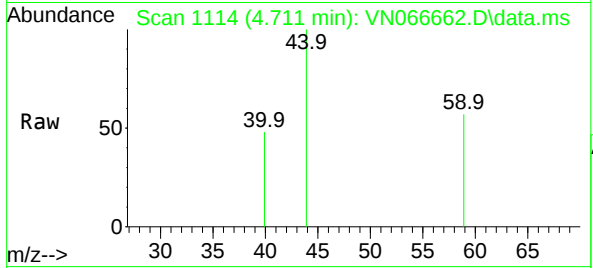




#11
Tert butyl alcohol
Concen: 0.57 ug/l
RT: 4.711 min Scan# 1114
Delta R.T. -0.005 min
Lab File: VN066662.D
Acq: 19 Apr 2021 15:06

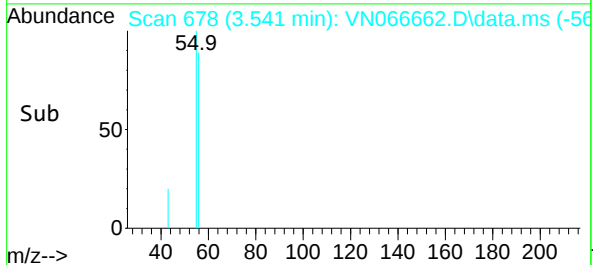
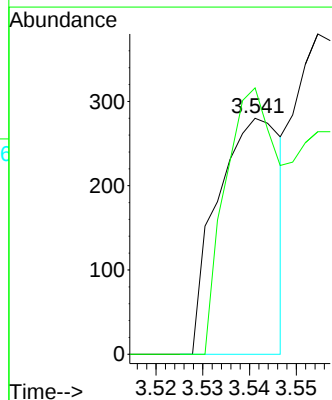
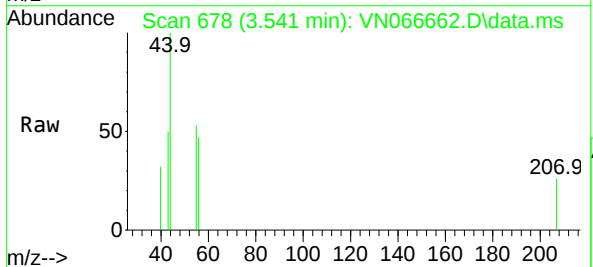
Instrument :
MSVOA_N
ClientSampled :

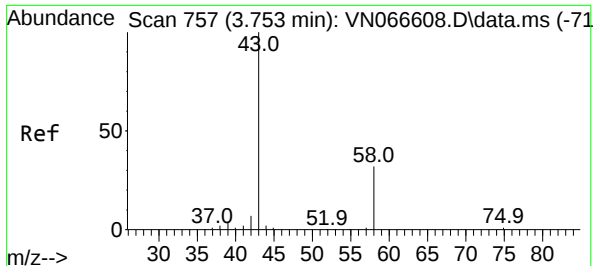
Tgt Ion: 59 Resp: 402
Ion Ratio Lower Upper
59 100
57 0.0 8.0 12.0#



#13
Acrolein
Concen: 0.71 ug/l
RT: 3.541 min Scan# 678
Delta R.T. -0.003 min
Lab File: VN066662.D
Acq: 19 Apr 2021 15:06

Tgt Ion: 56 Resp: 264
Ion Ratio Lower Upper
56 100
55 91.3 56.0 84.0#

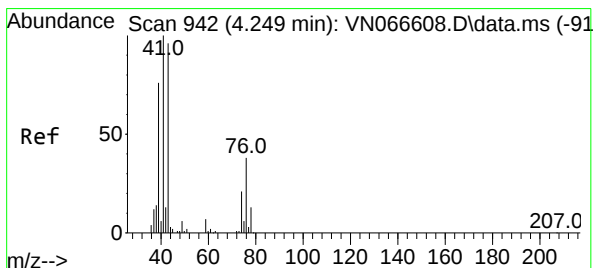
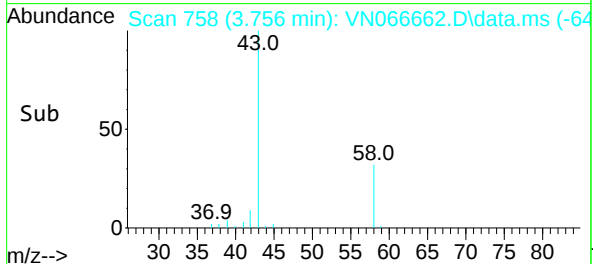
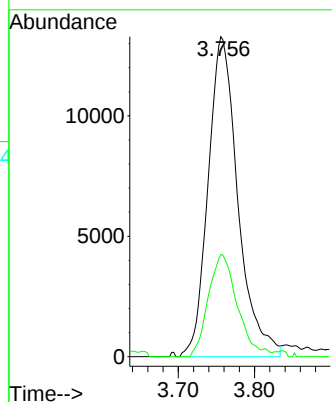
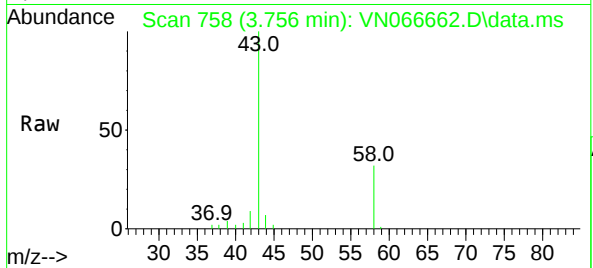




#16
Acetone
Concen: 15.08 ug/l
RT: 3.756 min Scan# 758
Delta R.T. 0.003 min
Lab File: VN066662.D
Acq: 19 Apr 2021 15:06

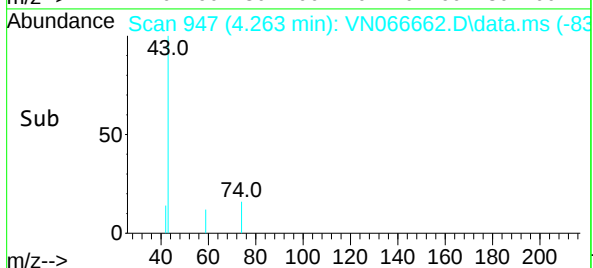
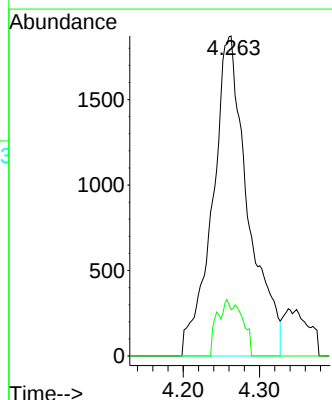
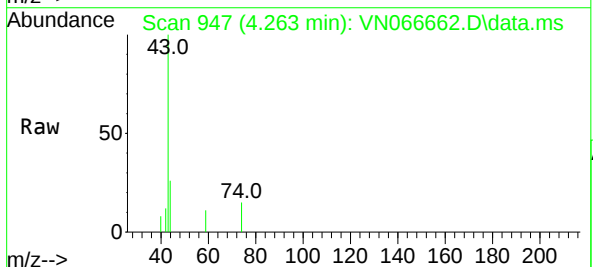
Instrument :
MSVOA_N
ClientSampled :

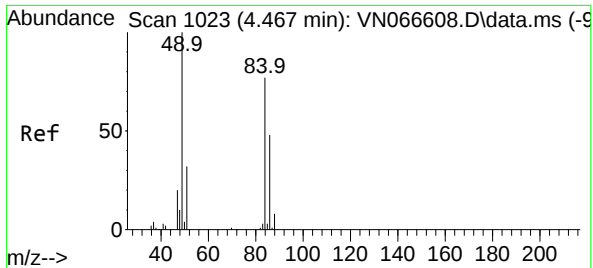
Tgt Ion: 43 Resp: 36039
Ion Ratio Lower Upper
43 100
58 32.0 27.0 40.6



#18
Methyl Acetate
Concen: 1.28 ug/l
RT: 4.263 min Scan# 947
Delta R.T. 0.014 min
Lab File: VN066662.D
Acq: 19 Apr 2021 15:06

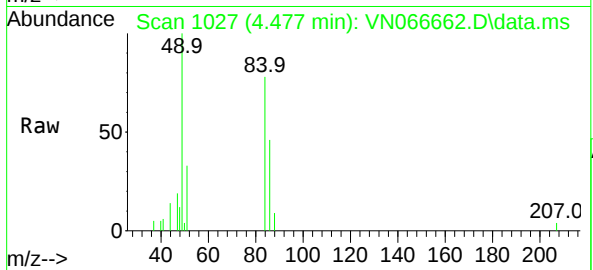
Tgt Ion: 43 Resp: 6048
Ion Ratio Lower Upper
43 100
74 1.5 19.5 29.3#



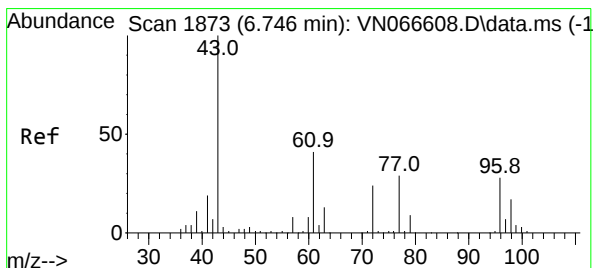
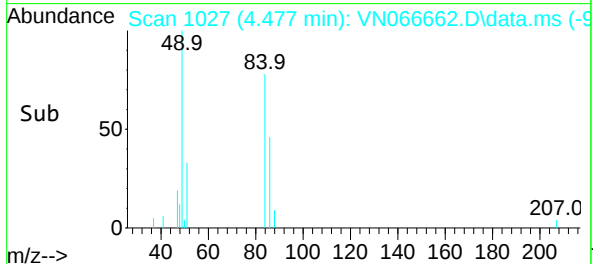
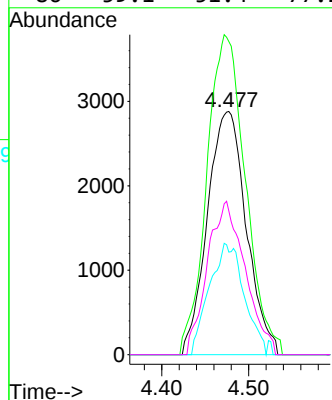


#20
Methylene Chloride
Concen: 2.17 ug/l
RT: 4.477 min Scan# 1027
Delta R.T. 0.010 min
Lab File: VN066662.D
Acq: 19 Apr 2021 15:06

Instrument :
MSVOA_N
ClientSampled :

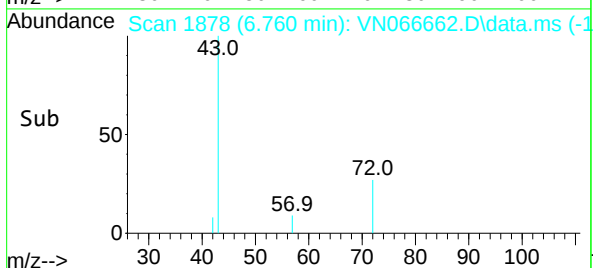
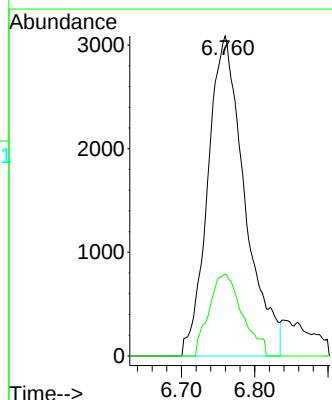
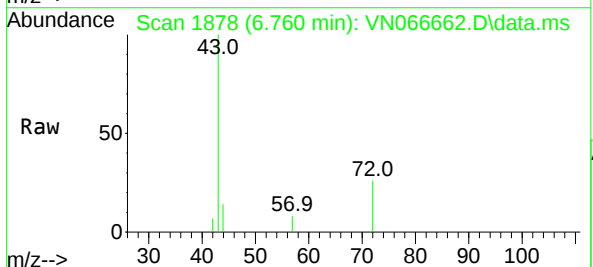


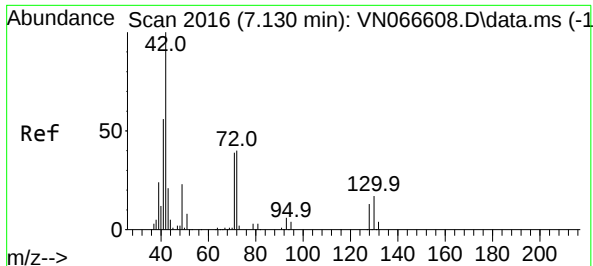
Tgt Ion:	84	Resp:	8953
Ion	Ratio	Lower	Upper
84	100		
49	128.7	94.6	141.8
51	42.2	29.9	44.9
86	59.1	51.4	77.2



#25
2-Butanone
Concen: 4.19 ug/l
RT: 6.760 min Scan# 1878
Delta R.T. 0.014 min
Lab File: VN066662.D
Acq: 19 Apr 2021 15:06

Tgt Ion:	43	Resp:	10788
Ion	Ratio	Lower	Upper
43	100		
72	25.6	23.1	34.7

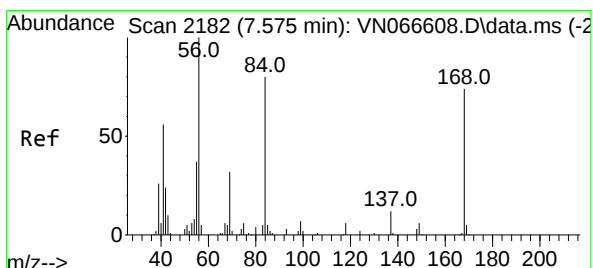
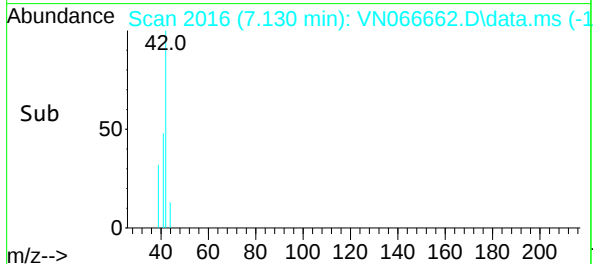
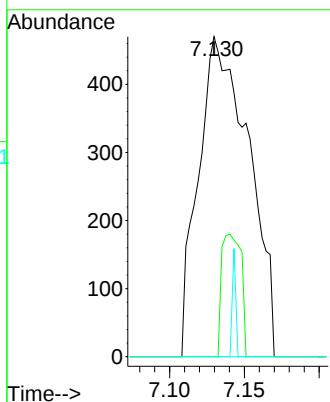
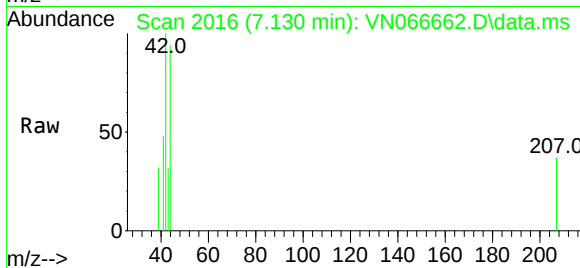




#29
Tetrahydrofuran
Concen: 0.63 ug/l
RT: 7.130 min Scan# 2016
Delta R.T. -0.000 min
Lab File: VN066662.D
Acq: 19 Apr 2021 15:06

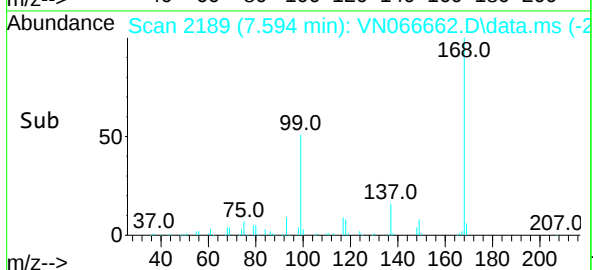
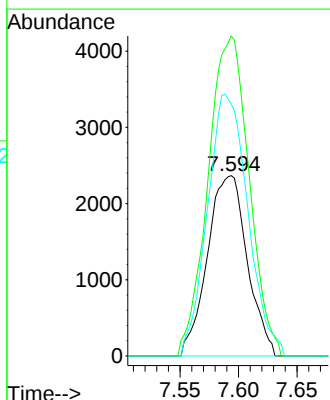
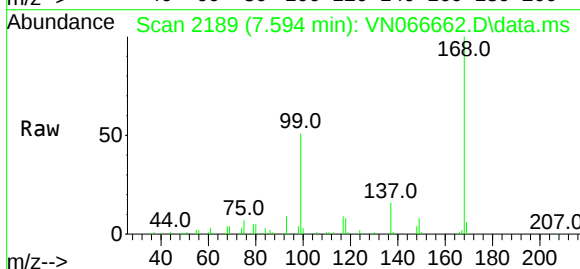
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MSVOA_N
ClientSampled :

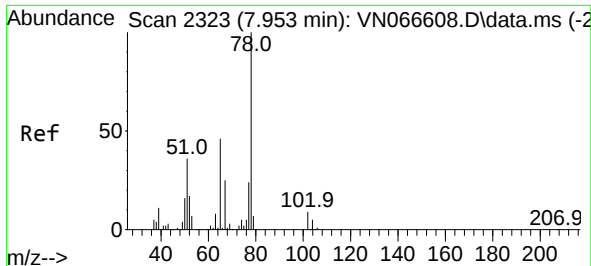
Tgt Ion:	42	Resp:	1097
Ion	Ratio	Lower	Upper
42	100		
72	14.8	36.6	55.0#
71	2.4	34.3	51.5#



#31
Cyclohexane
Concen: 0.89 ug/l
RT: 7.594 min Scan# 2189
Delta R.T. 0.019 min
Lab File: VN066662.D
Acq: 19 Apr 2021 15:06

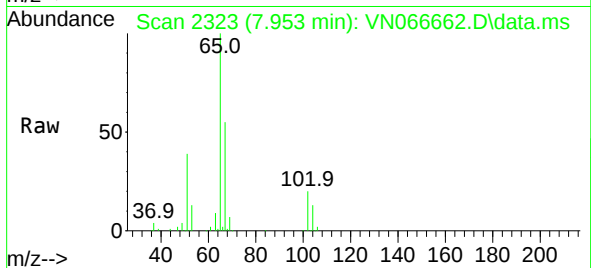
Tgt Ion:	56	Resp:	5611
Ion	Ratio	Lower	Upper
56	100		
69	177.4	26.6	39.8#
84	139.9	70.4	105.6#



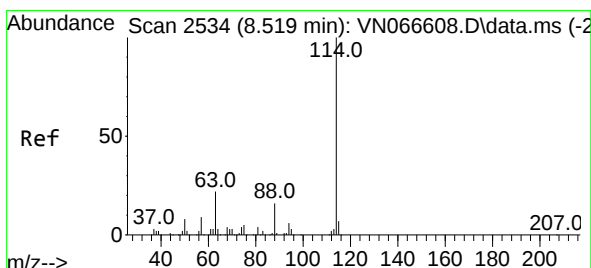
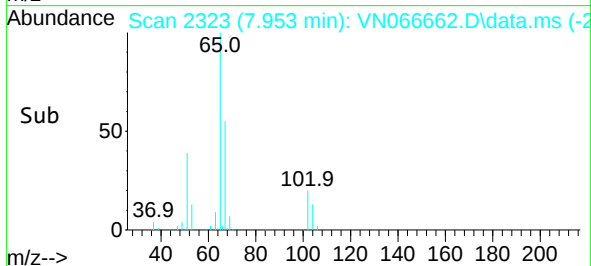
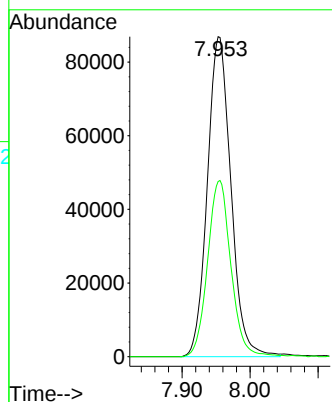


#33
 1,2-Dichloroethane-d4
 Concen: 47.93 ug/l
 RT: 7.953 min Scan# 2323
 Delta R.T. 0.000 min
 Lab File: VN066662.D
 Acq: 19 Apr 2021 15:06

Instrument :
 MSVOA_N
 ClientSampled :

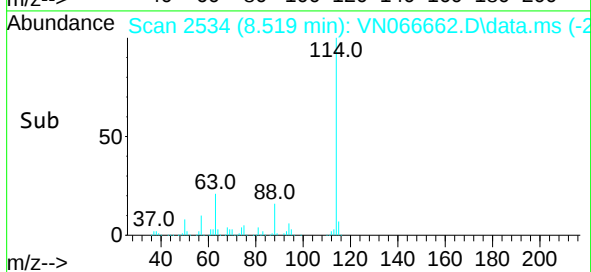
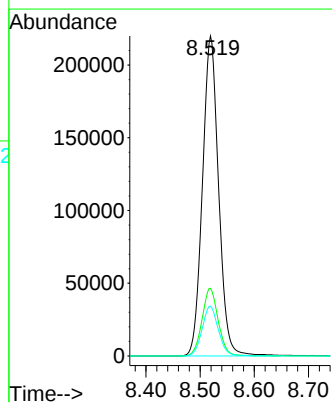
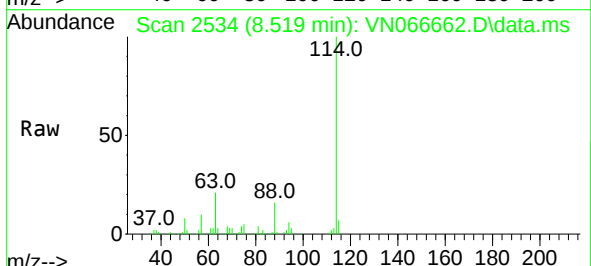


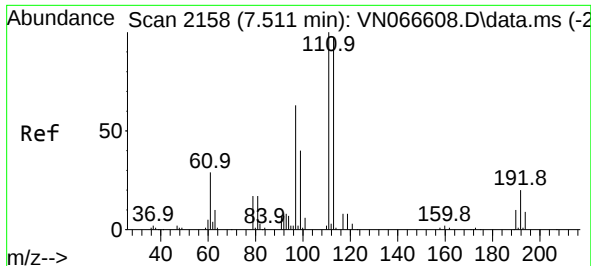
Tgt Ion: 65 Resp: 209475
 Ion Ratio Lower Upper
 65 100
 67 54.4 0.0 107.2



#34
 1,4-Difluorobenzene
 Concen: 50.00 ug/l
 RT: 8.519 min Scan# 2534
 Delta R.T. -0.000 min
 Lab File: VN066662.D
 Acq: 19 Apr 2021 15:06

Tgt Ion: 114 Resp: 455555
 Ion Ratio Lower Upper
 114 100
 63 21.2 0.0 38.6
 88 15.6 0.0 30.6

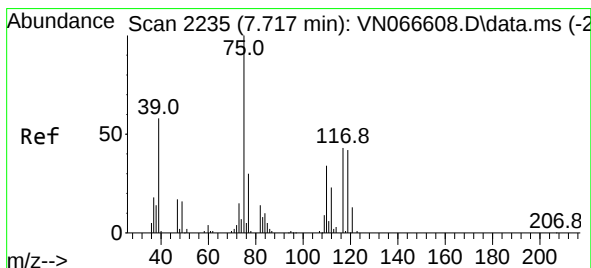
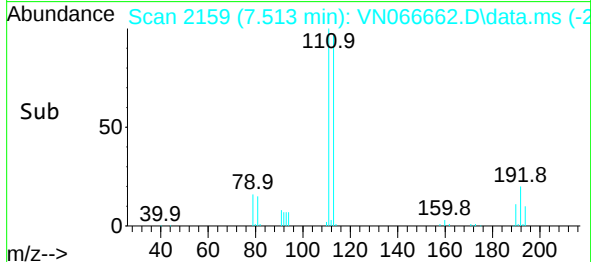
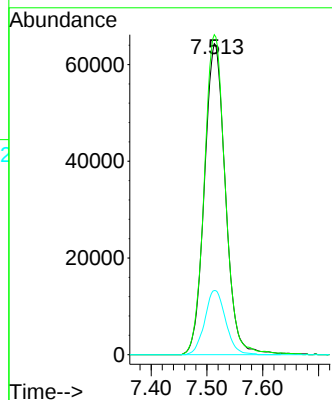
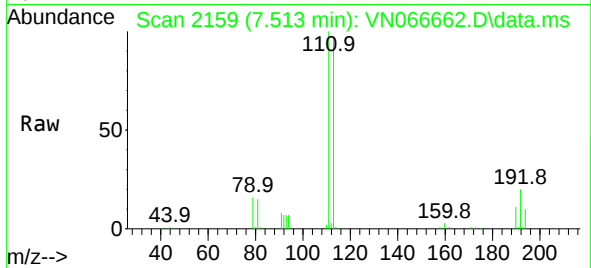




#35
Dibromofluoromethane
Concen: 53.21 ug/l
RT: 7.513 min Scan# 2159
Delta R.T. 0.002 min
Lab File: VN066662.D
Acq: 19 Apr 2021 15:06

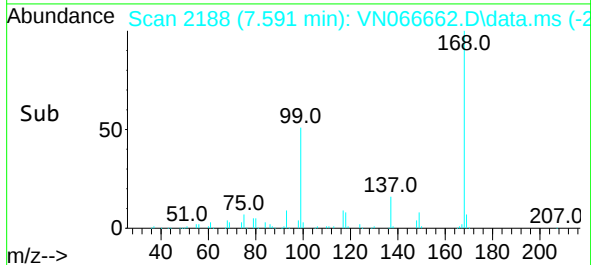
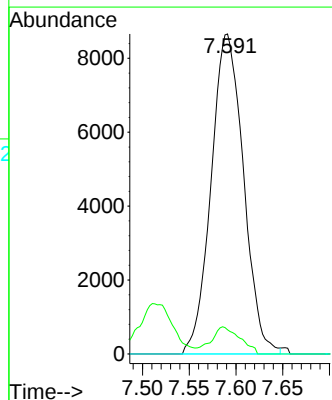
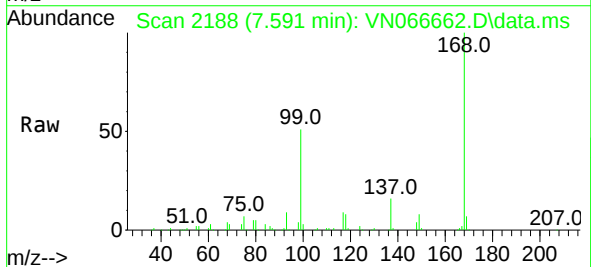
Instrument :
MSVOA_N
ClientSampled :

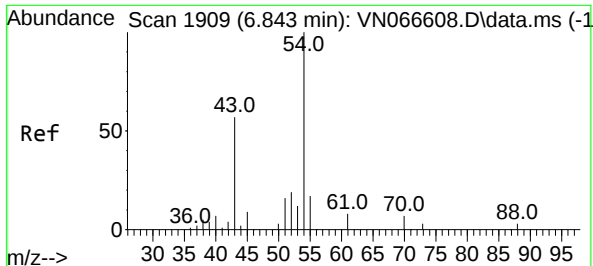
Tgt Ion:113 Resp: 168109
Ion Ratio Lower Upper
113 100
111 102.1 82.2 123.2
192 20.6 15.4 23.0



#36
1,1-Dichloropropene
Concen: 4.54 ug/l
RT: 7.591 min Scan# 2188
Delta R.T. -0.126 min
Lab File: VN066662.D
Acq: 19 Apr 2021 15:06

Tgt Ion: 75 Resp: 20852
Ion Ratio Lower Upper
75 100
110 7.5 18.2 54.6#
77 0.0 24.9 37.3#





#37

Ethyl Acetate

Concen: 2.07 ug/l

RT: 6.760 min Scan# 1878

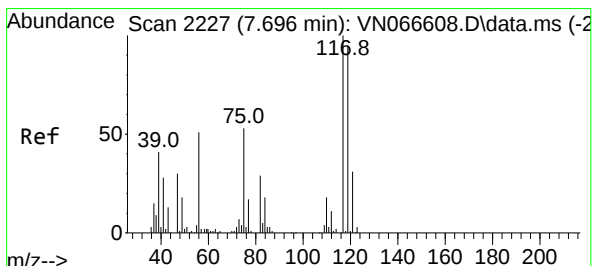
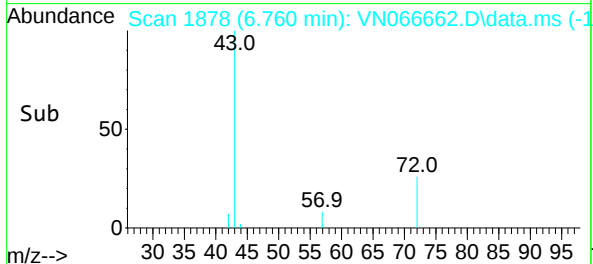
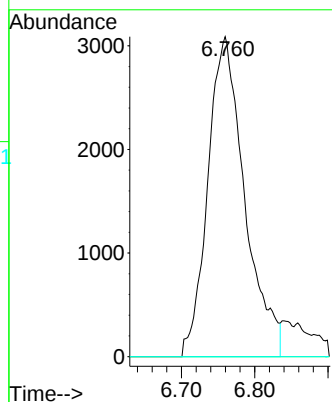
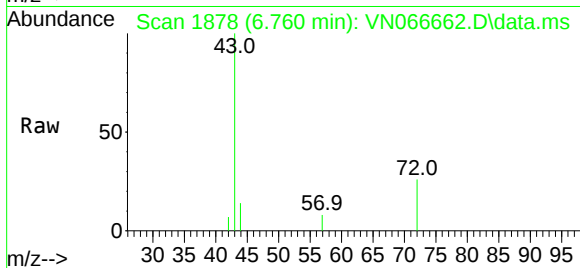
Delta R.T. -0.083 min

Lab File: VN066662.D

Acq: 19 Apr 2021 15:06

Instrument :
MSVOA_N
ClientSampleId :

Tgt Ion:	43	Resp:	10788
Ion	Ratio	Lower	Upper
43	100		
61	0.0	11.6	17.4#
70	0.0	8.6	13.0#



#38

Carbon Tetrachloride

Concen: 6.00 ug/l

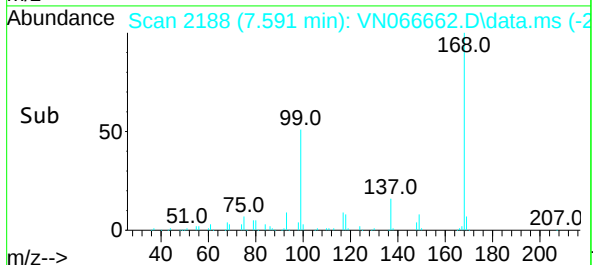
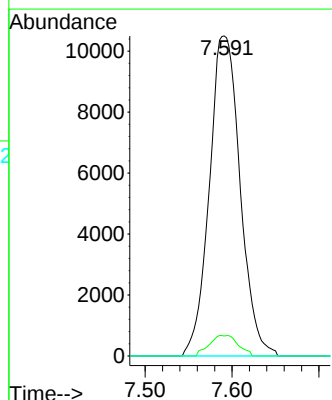
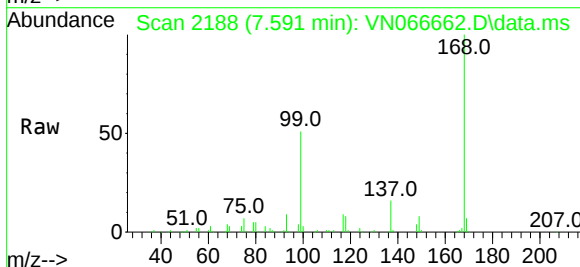
RT: 7.591 min Scan# 2188

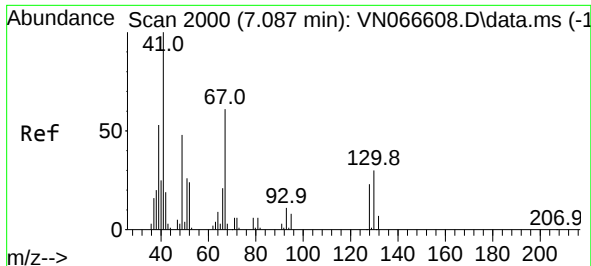
Delta R.T. -0.105 min

Lab File: VN066662.D

Acq: 19 Apr 2021 15:06

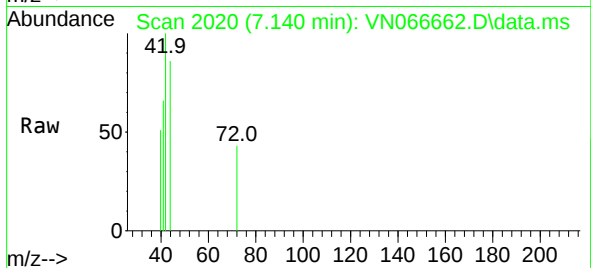
Tgt Ion:	117	Resp:	25828
Ion	Ratio	Lower	Upper
117	100		
119	6.3	76.0	114.0#
121	0.0	24.5	36.7#



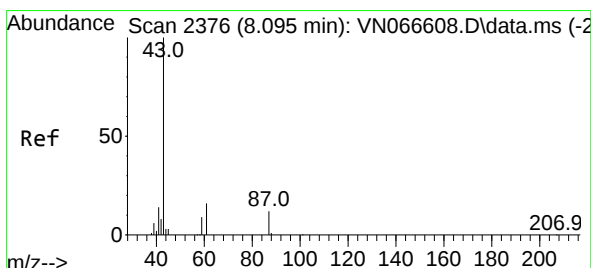
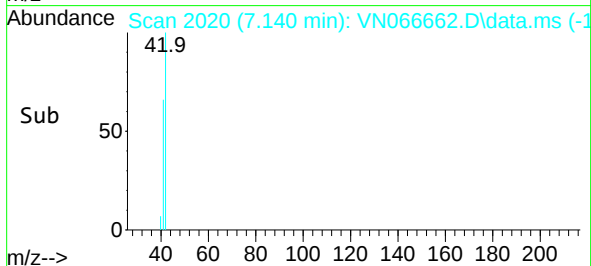
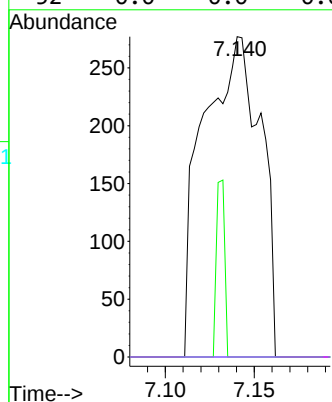


#41
Methacrylonitrile
Concen: 0.26 ug/l
RT: 7.140 min Scan# 2020
Delta R.T. 0.053 min
Lab File: VN066662.D
Acq: 19 Apr 2021 15:06

Instrument :
MSVOA_N
ClientSampled :

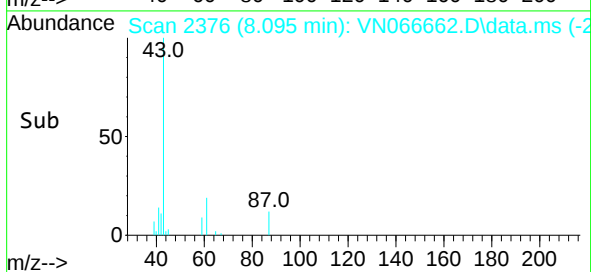
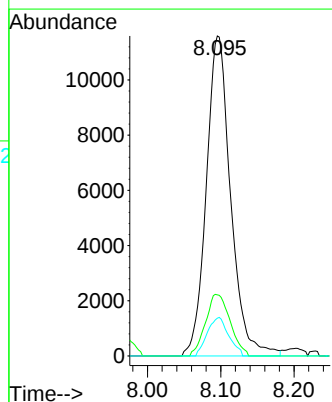
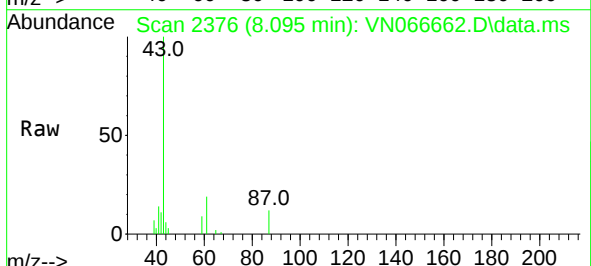


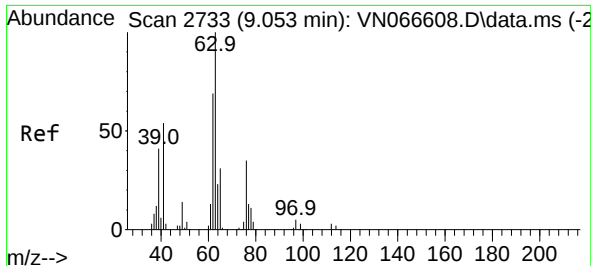
Tgt Ion:	41	Resp:	621
Ion	Ratio	Lower	Upper
41	100		
39	7.9	0.0	0.0#
67	0.0	0.0	0.0
52	0.0	0.0	0.0



#43
Isopropyl Acetate
Concen: 3.08 ug/l
RT: 8.095 min Scan# 2376
Delta R.T. 0.000 min
Lab File: VN066662.D
Acq: 19 Apr 2021 15:06

Tgt Ion:	43	Resp:	26816
Ion	Ratio	Lower	Upper
43	100		
61	19.4	22.5	33.7#
87	10.6	11.1	16.7#





#45

1,2-Dichloropropane

Concen: 0.44 ug/l

RT: 9.203 min Scan# 2789

Delta R.T. 0.150 min

Lab File: VN066662.D

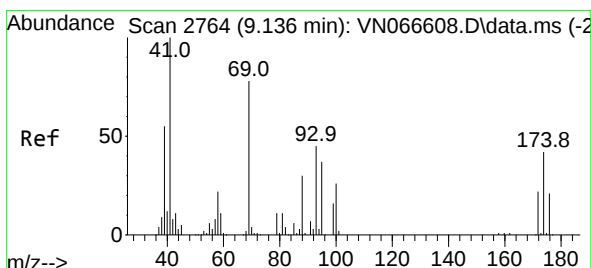
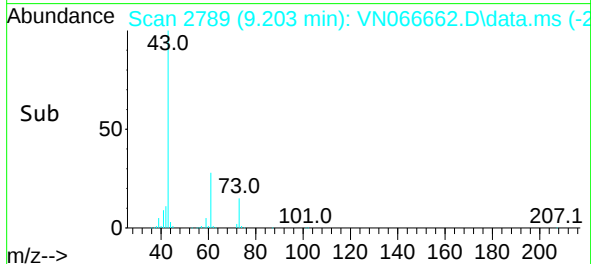
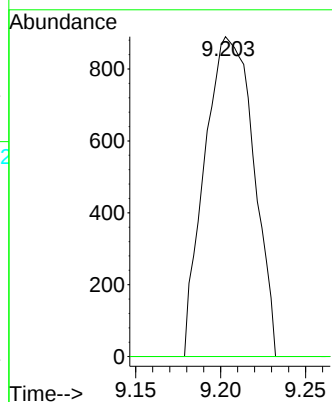
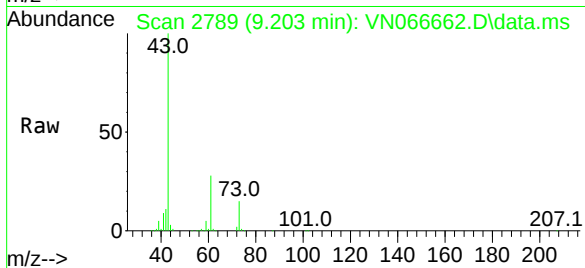
Acq: 19 Apr 2021 15:06

Tgt Ion: 63 Resp: 1787

Ion Ratio Lower Upper

63 100

65 0.0 24.9 37.3#



#48

Methyl methacrylate

Concen: 1.56 ug/l

RT: 9.114 min Scan# 2756

Delta R.T. -0.022 min

Lab File: VN066662.D

Acq: 19 Apr 2021 15:06

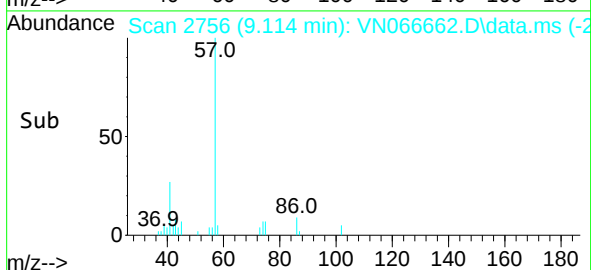
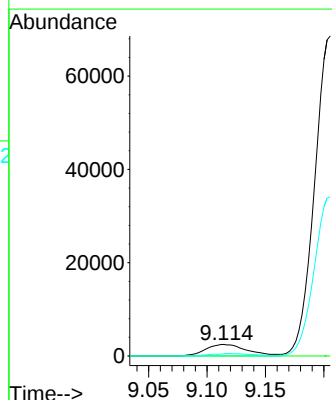
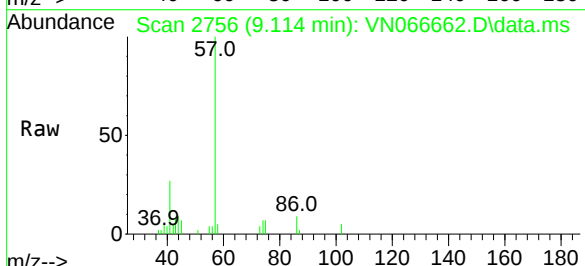
Tgt Ion: 41 Resp: 6091

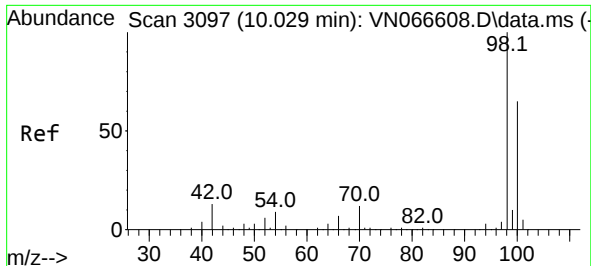
Ion Ratio Lower Upper

41 100

69 0.0 75.9 113.9#

39 0.0 46.6 69.8#

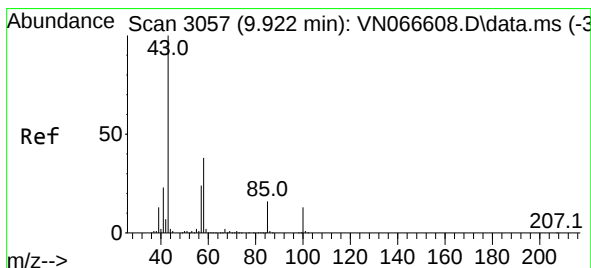
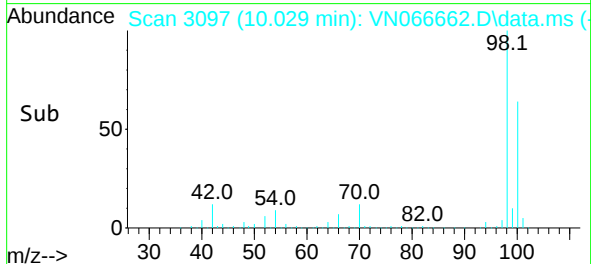
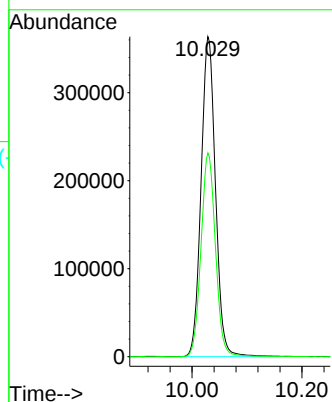
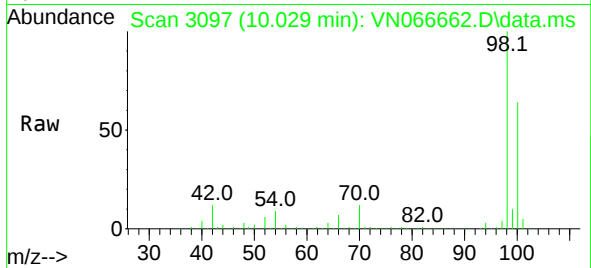




#50
Toluene-d8
Concen: 53.46 ug/l
RT: 10.029 min Scan# 3097
Delta R.T. -0.000 min
Lab File: VN066662.D
Acq: 19 Apr 2021 15:06

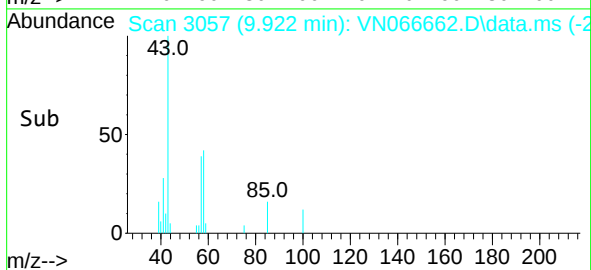
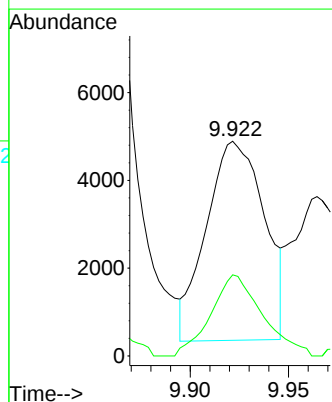
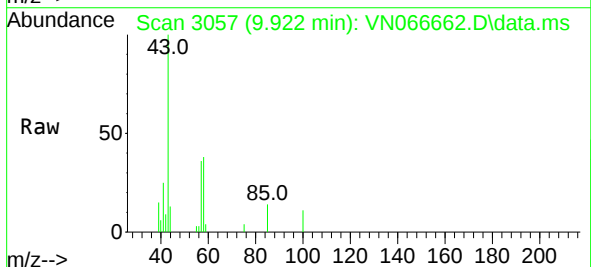
Instrument :
MSVOA_N
ClientSampled :

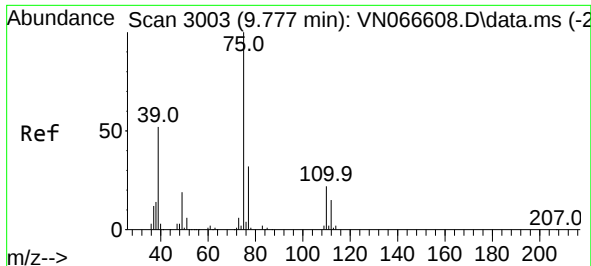
Tgt Ion: 98 Resp: 661889
Ion Ratio Lower Upper
98 100
100 63.8 50.5 75.7



#51
4-Methyl-2-Pentanone
Concen: 1.82 ug/l
RT: 9.922 min Scan# 3057
Delta R.T. -0.000 min
Lab File: VN066662.D
Acq: 19 Apr 2021 15:06

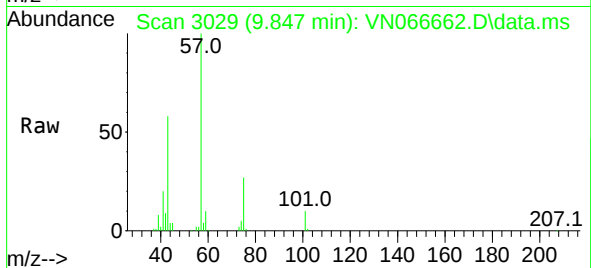
Tgt Ion: 43 Resp: 9329
Ion Ratio Lower Upper
43 100
58 36.0 32.5 48.7



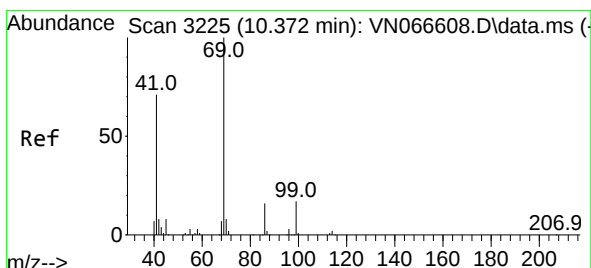
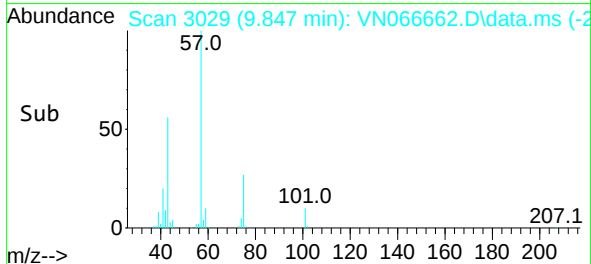
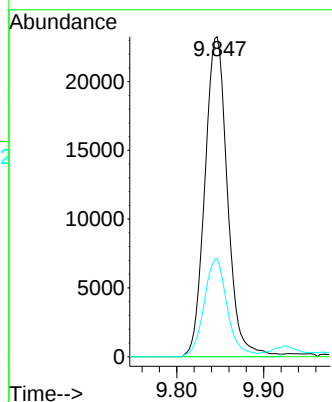


#54
 cis-1,3-Dichloropropene
 Concen: 6.99 ug/l
 RT: 9.847 min Scan# 3029
 Delta R.T. 0.070 min
 Lab File: VN066662.D
 Acq: 19 Apr 2021 15:06

Instrument :
 MSVOA_N
 ClientSampled :

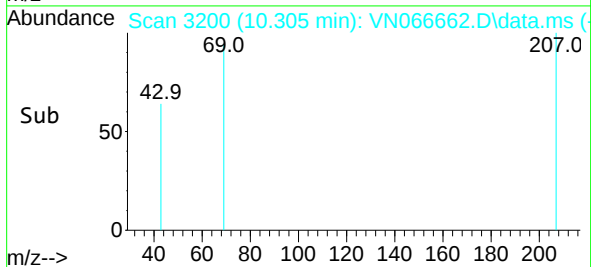
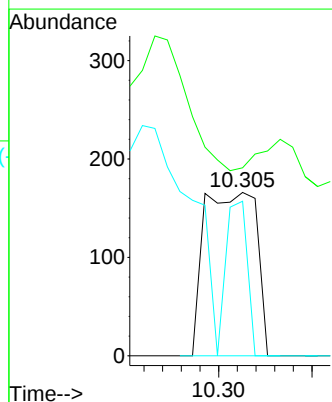
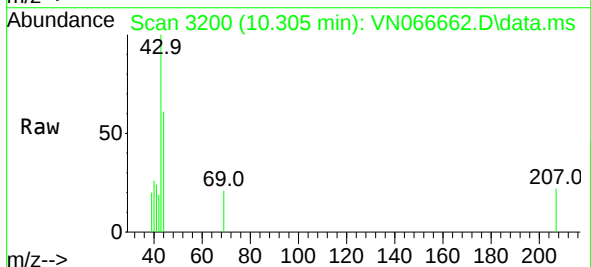


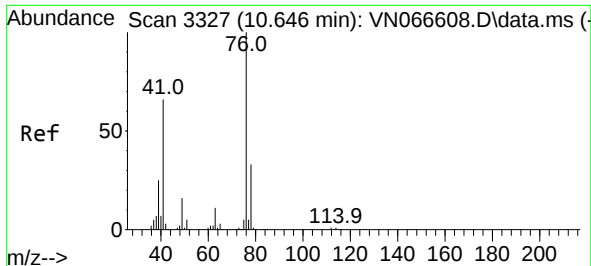
Tgt Ion: 75 Resp: 41958
 Ion Ratio Lower Upper
 75 100
 77 0.0 24.9 37.3#
 39 30.6 36.2 54.4#



#56
 Ethyl methacrylate
 Concen: 0.92 ug/l
 RT: 10.305 min Scan# 3200
 Delta R.T. -0.067 min
 Lab File: VN066662.D
 Acq: 19 Apr 2021 15:06

Tgt Ion: 69 Resp: 129
 Ion Ratio Lower Upper
 69 100
 41 0.0 49.6 74.4#
 39 0.0 28.0 42.0#

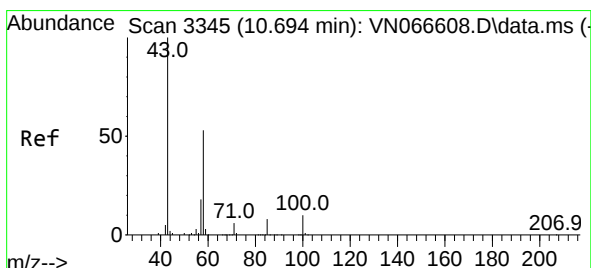
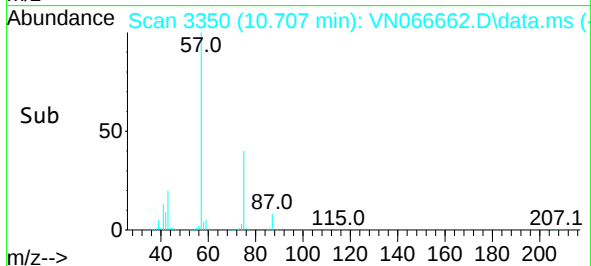
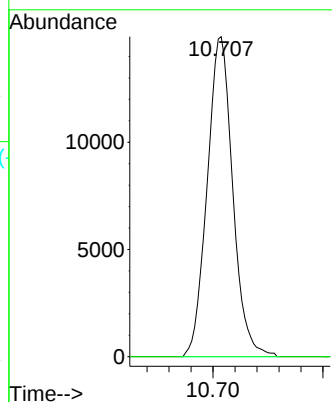
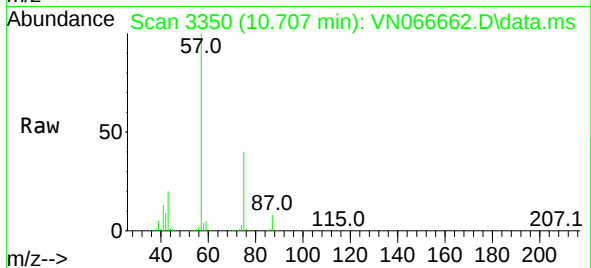




#57
1,3-Dichloropropane
Concen: 4.02 ug/l
RT: 10.707 min Scan# 3350
Delta R.T. 0.061 min
Lab File: VN066662.D
Acq: 19 Apr 2021 15:06

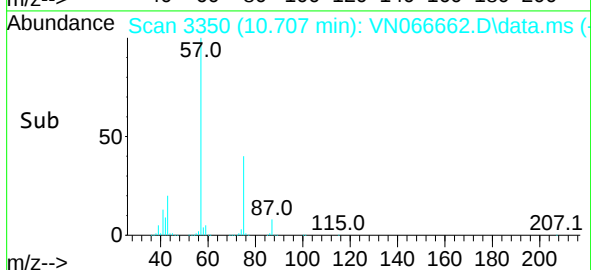
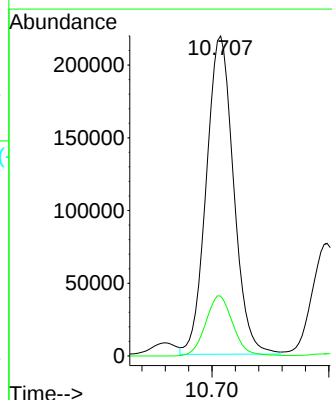
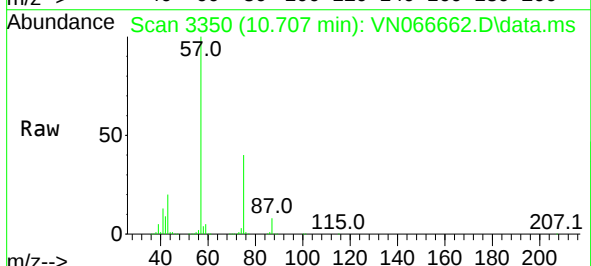
Instrument :
MSVOA_N
ClientSampled :

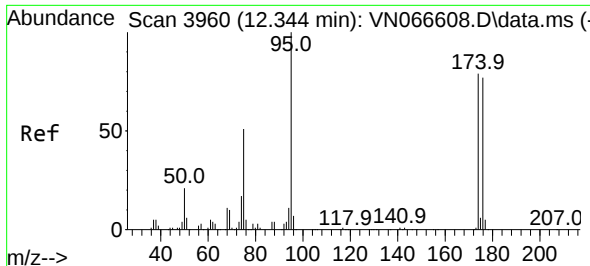
Tgt Ion: 76 Resp: 24105
Ion Ratio Lower Upper
76 100
78 0.0 25.7 38.5#



#59
2-Hexanone
Concen: 100.30 ug/l
RT: 10.707 min Scan# 3350
Delta R.T. 0.013 min
Lab File: VN066662.D
Acq: 19 Apr 2021 15:06

Tgt Ion: 43 Resp: 354897
Ion Ratio Lower Upper
43 100
58 19.0 28.1 84.3#

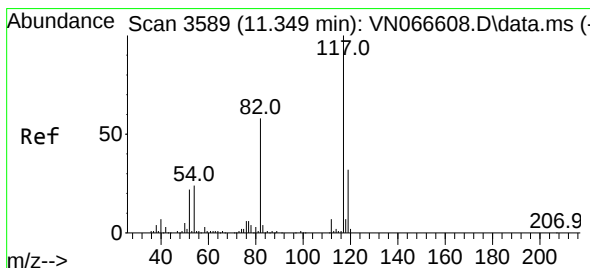
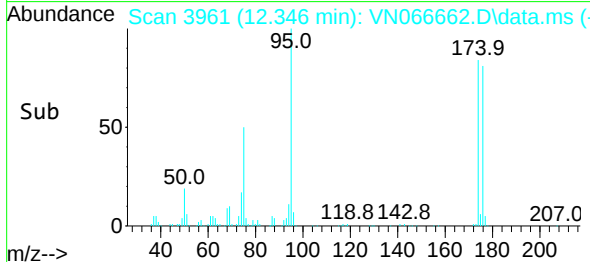
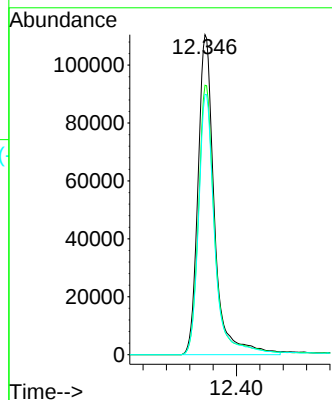
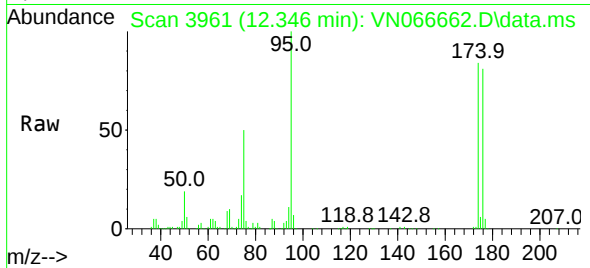




#62
4-Bromofluorobenzene
Concen: 49.38 ug/l
RT: 12.346 min Scan# 3961
Delta R.T. 0.002 min
Lab File: VN066662.D
Acq: 19 Apr 2021 15:06

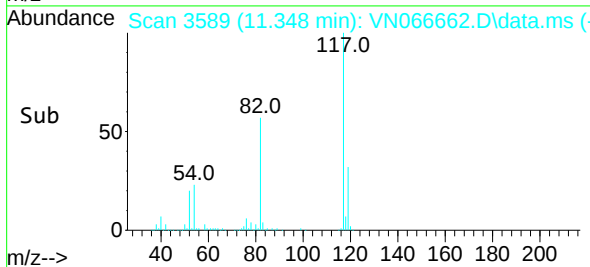
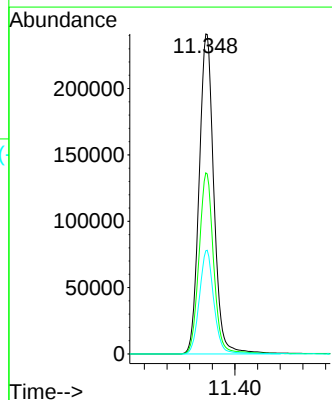
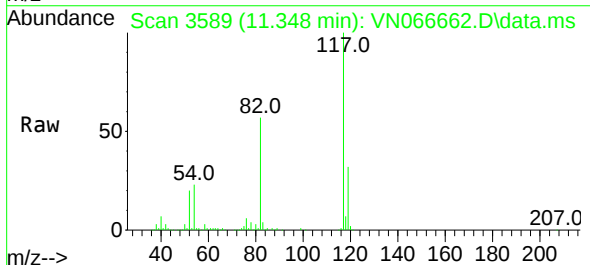
Instrument :
MSVOA_N
ClientSampled :

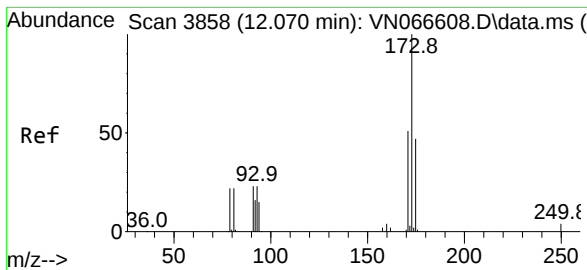
Tgt Ion: 95 Resp: 214985
Ion Ratio Lower Upper
95 100
174 84.0 0.0 169.0
176 80.7 0.0 162.4



#63
Chlorobenzene-d5
Concen: 50.00 ug/l
RT: 11.348 min Scan# 3589
Delta R.T. -0.001 min
Lab File: VN066662.D
Acq: 19 Apr 2021 15:06

Tgt Ion: 117 Resp: 434614
Ion Ratio Lower Upper
117 100
82 56.6 43.7 65.5
119 32.3 26.1 39.1

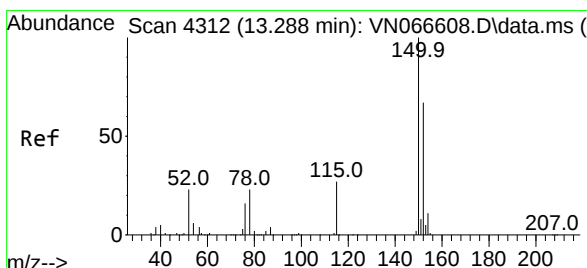
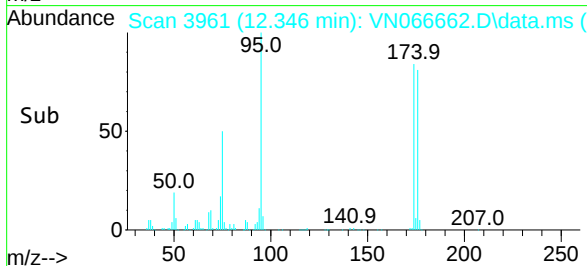
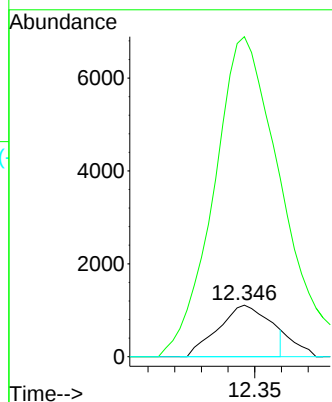
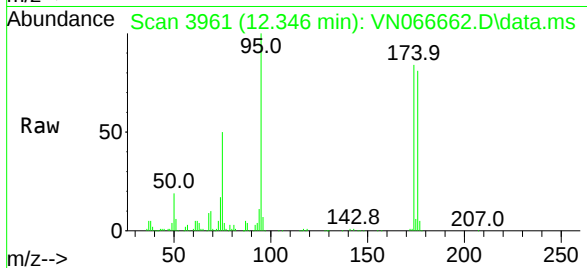




#71
Bromoform
Concen: 0.58 ug/l
RT: 12.346 min Scan# 3961
Delta R.T. 0.276 min
Lab File: VN066662.D
Acq: 19 Apr 2021 15:06

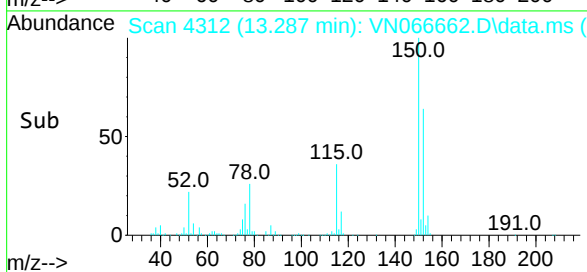
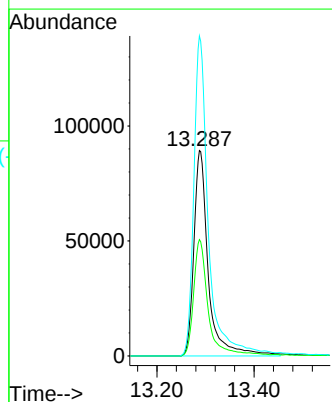
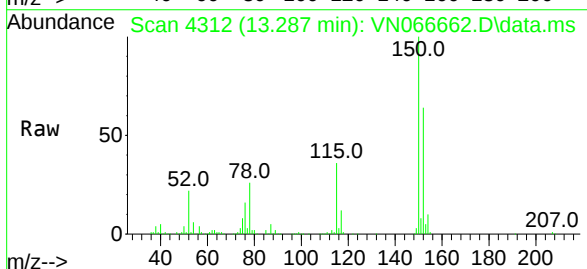
Instrument :
MSVOA_N
ClientSampled :

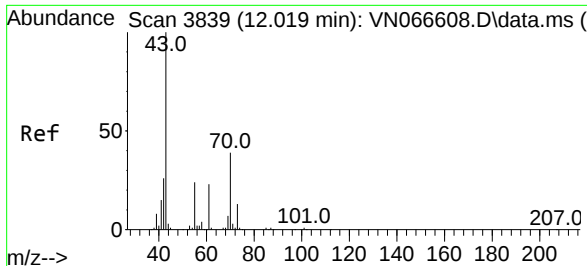
Tgt Ion:173 Resp: 1500
Ion Ratio Lower Upper
173 100
175 679.3 23.8 71.2#
254 0.0 0.0 0.0



#72
1,4-Dichlorobenzene-d4
Concen: 50.00 ug/l
RT: 13.287 min Scan# 4312
Delta R.T. -0.001 min
Lab File: VN066662.D
Acq: 19 Apr 2021 15:06

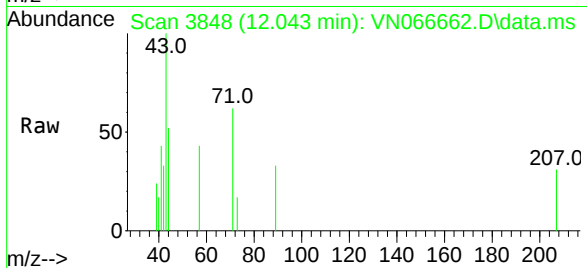
Tgt Ion:152 Resp: 185779
Ion Ratio Lower Upper
152 100
115 55.4 28.5 85.6
150 154.1 0.0 347.6



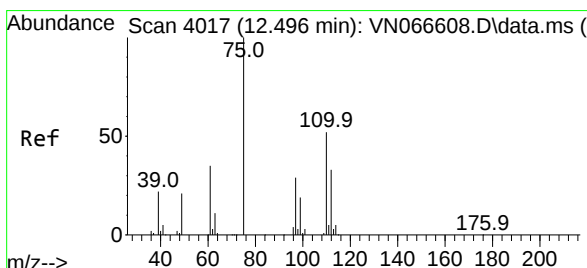
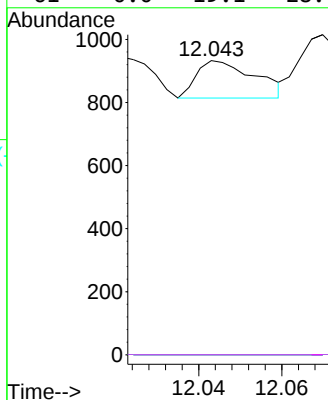
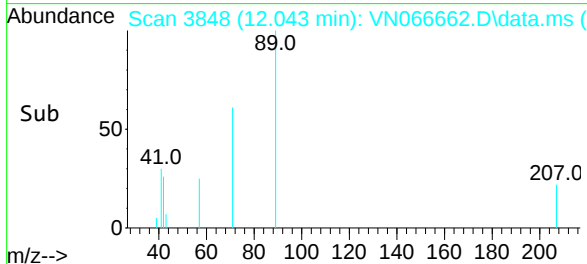


#74
N-amy1 acetate
Concen: 9.75 ug/l
RT: 12.043 min Scan# 3848
Delta R.T. 0.024 min
Lab File: VN066662.D
Acq: 19 Apr 2021 15:06

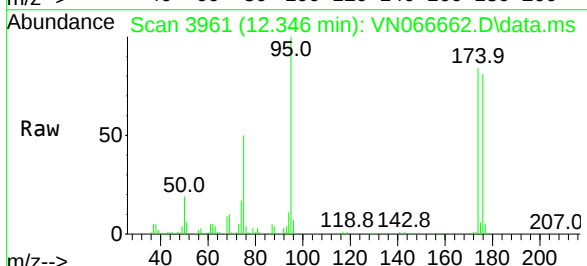
Instrument :
MSVOA_N
ClientSampleId :



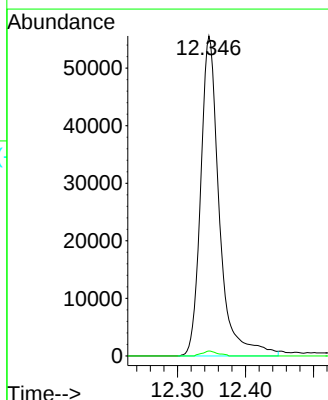
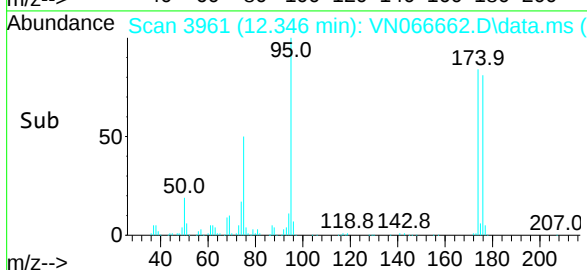
Tgt Ion: 43	Resp: 115
Ion Ratio	Lower Upper
43	100
70	0.0 34.4 51.6#
55	0.0 20.7 31.1#
61	0.0 19.1 28.7#

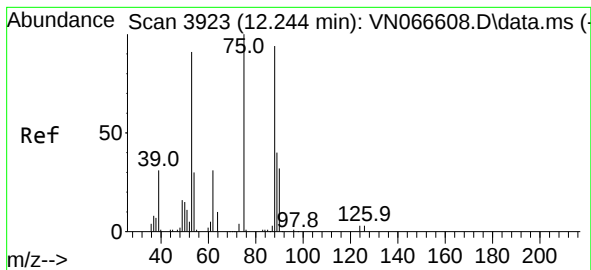


#76
1,2,3-Trichloropropane
Concen: 24.42 ug/l
RT: 12.346 min Scan# 3961
Delta R.T. -0.150 min
Lab File: VN066662.D
Acq: 19 Apr 2021 15:06



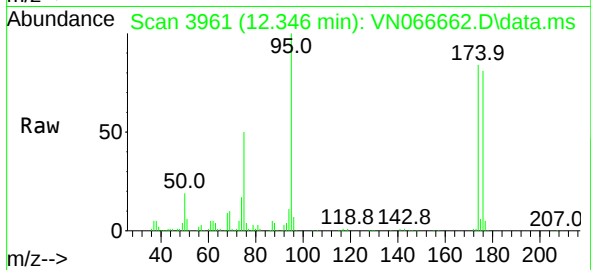
Tgt Ion: 75	Resp: 106089
Ion Ratio	Lower Upper
75	100
77	1.3 0.0 0.0#





#81
 trans-1,4-Dichloro-2-butene
 Concen: 75.46 ug/l
 RT: 12.346 min Scan# 3961
 Delta R.T. 0.102 min
 Lab File: VN066662.D
 Acq: 19 Apr 2021 15:06

Instrument :
 MSVOA_N
 ClientSampleId :



Tgt Ion: 75 Resp: 106089
 Ion Ratio Lower Upper
 75 100
 53 0.0 74.6 111.8#
 89 0.3 35.8 53.8#

