

Data Path : Z:\voasrv\HPCHEM1\MSVOA_N\Data\VN041921\
 Data File : VN066667.D
 Acq On : 19 Apr 2021 17:04
 Operator : JC/MD
 Sample : M2075-02
 Misc : 5.00mL/MSVOA_N/WATER
 ALS Vial : 18 Sample Multiplier: 1

Instrument :
 MSVOA_N
 ClientSampleId :

Quant Time: Apr 20 04:58:05 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)

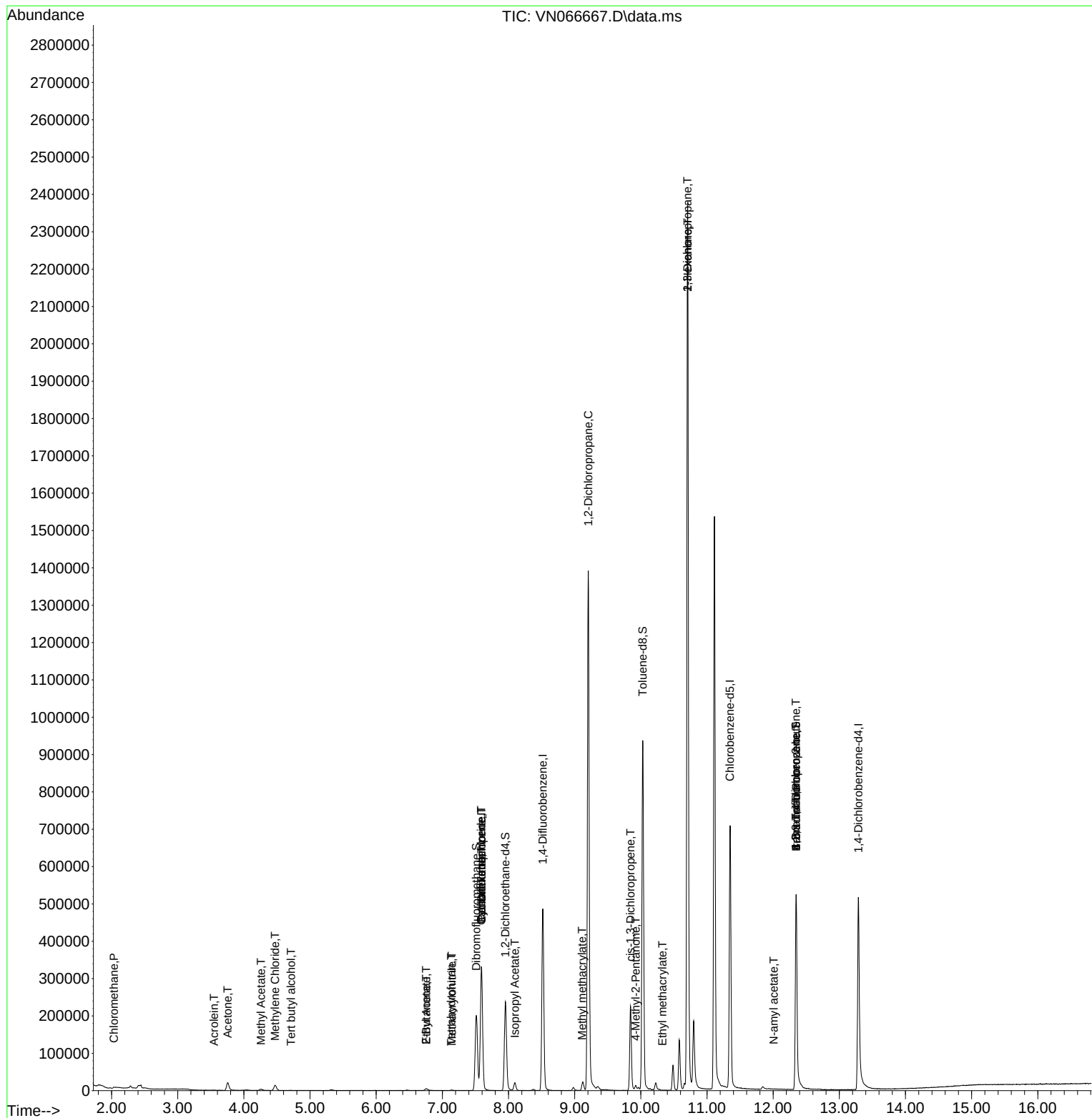
Internal Standards						
1) Pentafluorobenzene	7.591	168	284363	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	8.519	114	443931	50.00	ug/l	0.00
63) Chlorobenzene-d5	11.348	117	421784	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.287	152	169164	50.00	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	7.953	65	201969	47.08	ug/l	0.00
Spiked Amount 50.000	Range 61 - 141		Recovery =	94.16%		
35) Dibromofluoromethane	7.513	113	162551	52.80	ug/l	0.00
Spiked Amount 50.000	Range 69 - 133		Recovery =	105.60%		
50) Toluene-d8	10.029	98	641475	53.16	ug/l	0.00
Spiked Amount 50.000	Range 65 - 126		Recovery =	106.32%		
62) 4-Bromofluorobenzene	12.346	95	207648	48.94	ug/l	0.00
Spiked Amount 50.000	Range 58 - 135		Recovery =	97.88%		
Target Compounds						Qvalue
3) Chloromethane	2.034	50	1440	0.29	ug/l	97
11) Tert butyl alcohol	4.713	59	199	0.29	ug/l #	73
13) Acrolein	3.549	56	387	1.05	ug/l	85
16) Acetone	3.756	43	36780	16.03	ug/l	96
18) Methyl Acetate	4.260	43	7365	1.59	ug/l #	84
20) Methylene Chloride	4.469	84	10330	2.55	ug/l	93
25) 2-Butanone	6.754	43	10505	4.15	ug/l	90
29) Tetrahydrofuran	7.132	42	1156	0.68	ug/l #	48
31) Cyclohexane	7.594	56	5429	0.88	ug/l #	1
36) 1,1-Dichloropropene	7.591	75	20837	4.66	ug/l #	48
37) Ethyl Acetate	6.754	43	10505	2.07	ug/l #	68
38) Carbon Tetrachloride	7.588	117	25265	6.03	ug/l #	18
41) Methacrylonitrile	7.143	41	610	0.26	ug/l #	100
43) Isopropyl Acetate	8.095	43	25594	3.02	ug/l #	86
45) 1,2-Dichloropropane	9.205	63	1620	0.41	ug/l #	44
48) Methyl methacrylate	9.112	41	6151	1.61	ug/l #	10
51) 4-Methyl-2-Pentanone	9.924	43	5865	1.18	ug/l #	70
54) cis-1,3-Dichloropropene	9.844	75	41021	7.02	ug/l #	63
56) Ethyl methacrylate	10.326	69	91	0.91	ug/l #	27
57) 1,3-Dichloropropane	10.705	76	24125	4.13	ug/l #	43
59) 2-Hexanone	10.707	43	354602	102.72	ug/l #	49
71) Bromoform	12.349	173	1279	0.51	ug/l #	1
74) N-amyl acetate	12.008	43	261	9.78	ug/l #	42
76) 1,2,3-Trichloropropane	12.346	75	102159	25.82	ug/l #	100
81) trans-1,4-Dichloro-2-b...	12.346	75	102159	79.68	ug/l #	12

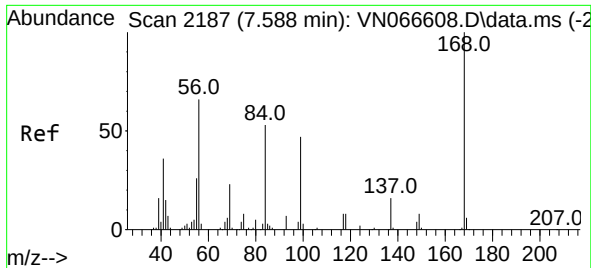
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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Quant Title : SW846 8260
QLast Update : Thu Apr 15 19:16:35 2021
Response via : Initial Calibration

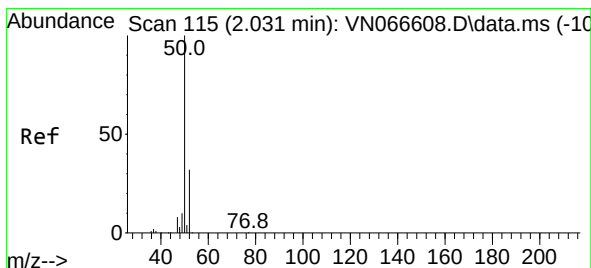
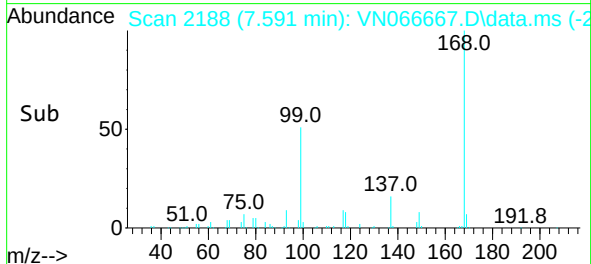
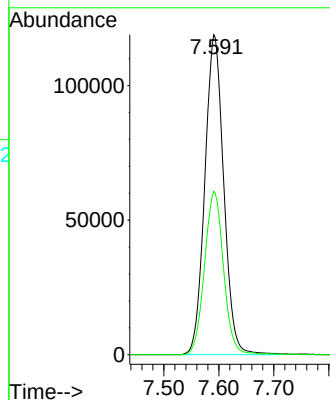
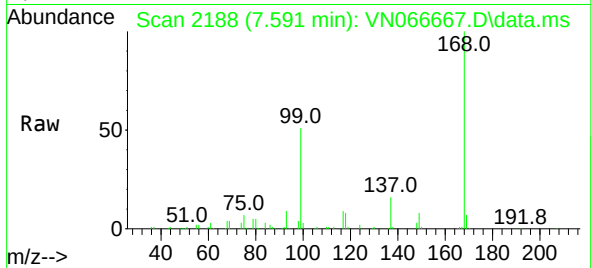




#1
Pentafluorobenzene
Concen: 50.00 ug/l
RT: 7.591 min Scan# 2188
Delta R.T. 0.003 min
Lab File: VN066667.D
Acq: 19 Apr 2021 17:04

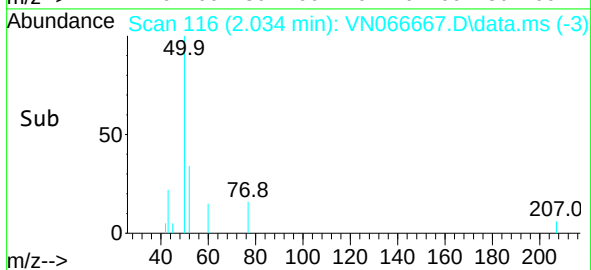
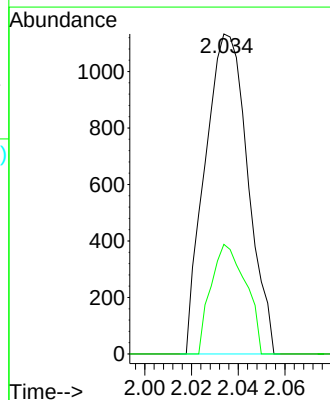
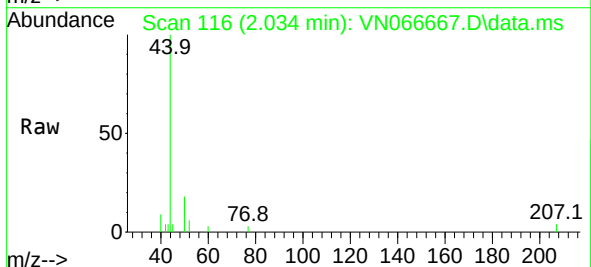
Instrument :
MSVOA_N
ClientSampled :

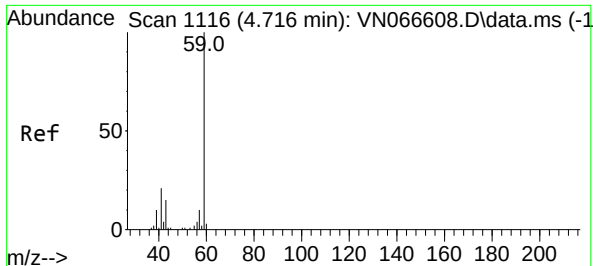
Tgt Ion:168 Resp: 284363
Ion Ratio Lower Upper
168 100
99 51.0 42.6 63.8



#3
Chloromethane
Concen: 0.29 ug/l
RT: 2.034 min Scan# 116
Delta R.T. 0.003 min
Lab File: VN066667.D
Acq: 19 Apr 2021 17:04

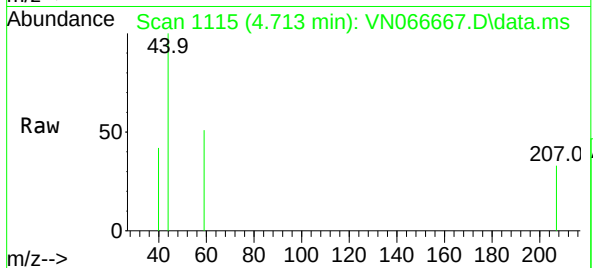
Tgt Ion: 50 Resp: 1440
Ion Ratio Lower Upper
50 100
52 34.2 25.8 38.8



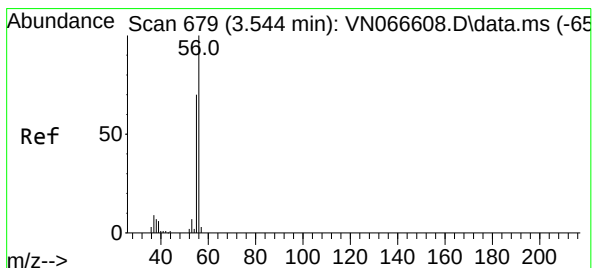
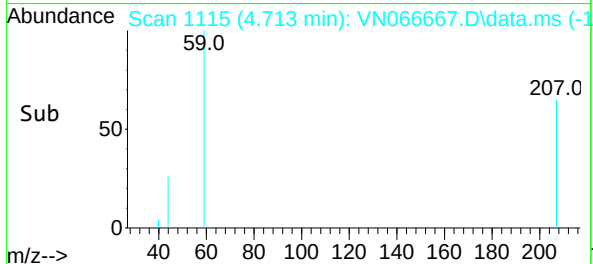
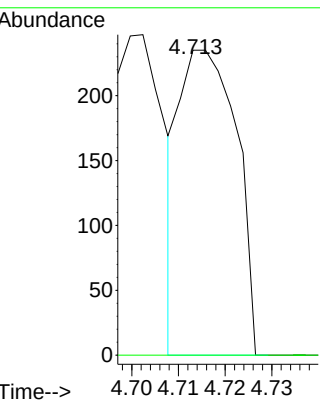


#11
Tert butyl alcohol
Concen: 0.29 ug/l
RT: 4.713 min Scan# 1115
Delta R.T. -0.003 min
Lab File: VN066667.D
Acq: 19 Apr 2021 17:04

Instrument :
MSVOA_N
ClientSampled :

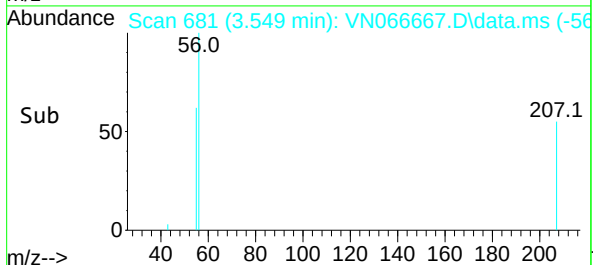
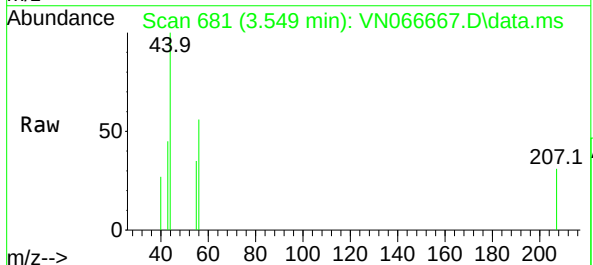
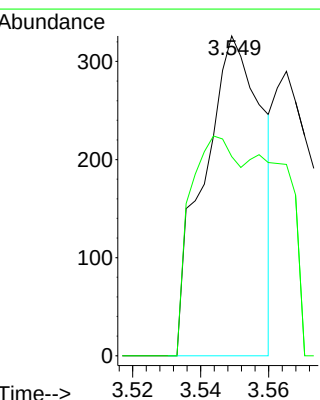


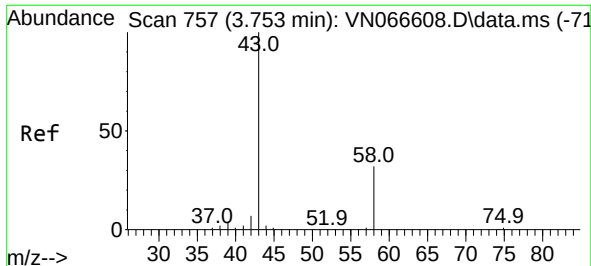
Tgt Ion: 59 Resp: 199
Ion Ratio Lower Upper
59 100
57 0.0 8.0 12.0#



#13
Acrolein
Concen: 1.05 ug/l
RT: 3.549 min Scan# 681
Delta R.T. 0.005 min
Lab File: VN066667.D
Acq: 19 Apr 2021 17:04

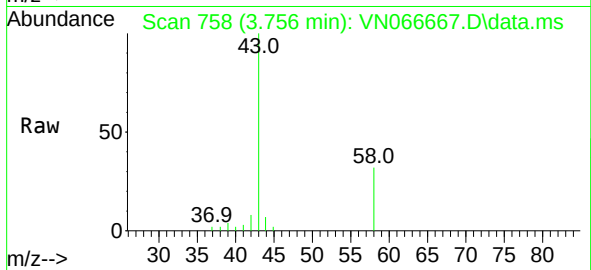
Tgt Ion: 56 Resp: 387
Ion Ratio Lower Upper
56 100
55 57.6 56.0 84.0



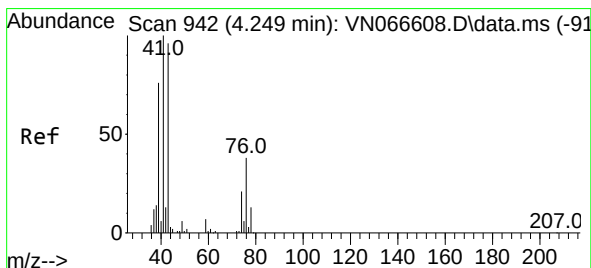
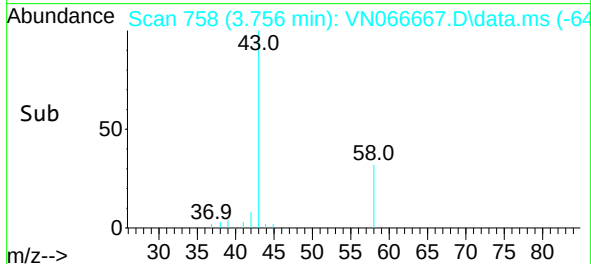
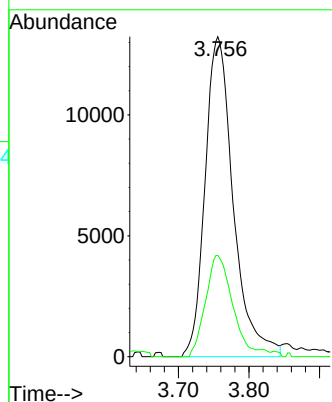


#16
Acetone
Concen: 16.03 ug/l
RT: 3.756 min Scan# 758
Delta R.T. 0.003 min
Lab File: VN066667.D
Acq: 19 Apr 2021 17:04

Instrument :
MSVOA_N
ClientSampled :

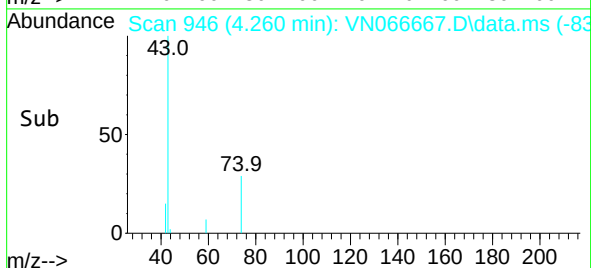
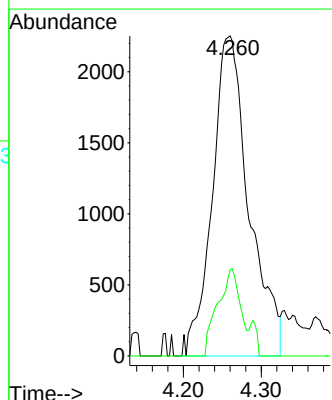
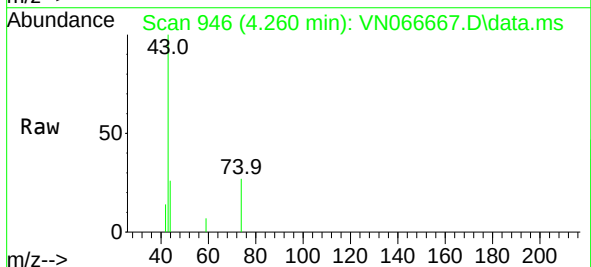


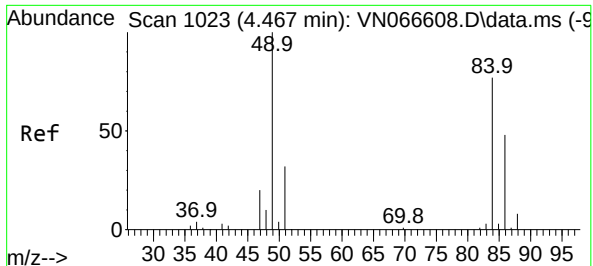
Tgt Ion: 43 Resp: 36780
Ion Ratio Lower Upper
43 100
58 31.7 27.0 40.6



#18
Methyl Acetate
Concen: 1.59 ug/l
RT: 4.260 min Scan# 946
Delta R.T. 0.011 min
Lab File: VN066667.D
Acq: 19 Apr 2021 17:04

Tgt Ion: 43 Resp: 7365
Ion Ratio Lower Upper
43 100
74 16.6 19.5 29.3#





#20

Methylene Chloride

Concen: 2.55 ug/l

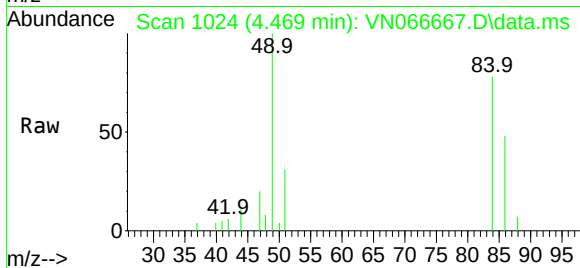
RT: 4.469 min Scan# 1024

Delta R.T. 0.002 min

Lab File: VN066667.D

Acq: 19 Apr 2021 17:04

Instrument :
MSVOA_N
ClientSampled :



Tgt Ion: 84 Resp: 10330

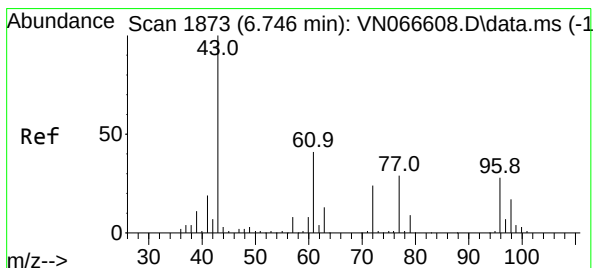
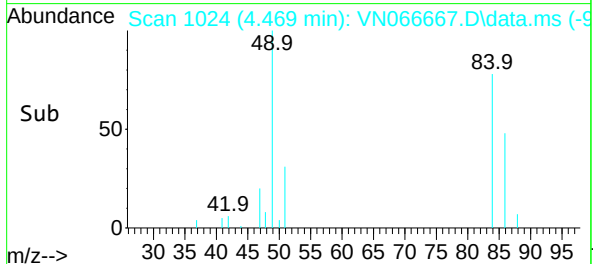
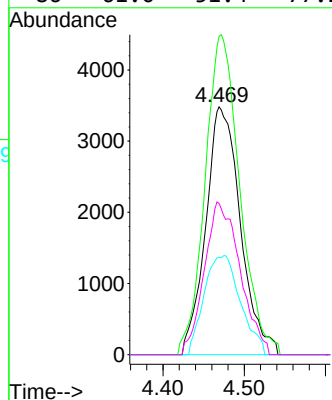
Ion Ratio Lower Upper

84 100

49 128.4 94.6 141.8

51 39.3 29.9 44.9

86 61.0 51.4 77.2



#25

2-Butanone

Concen: 4.15 ug/l

RT: 6.754 min Scan# 1876

Delta R.T. 0.008 min

Lab File: VN066667.D

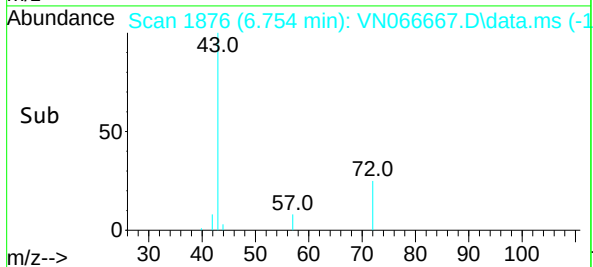
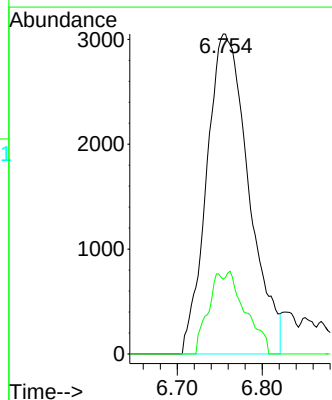
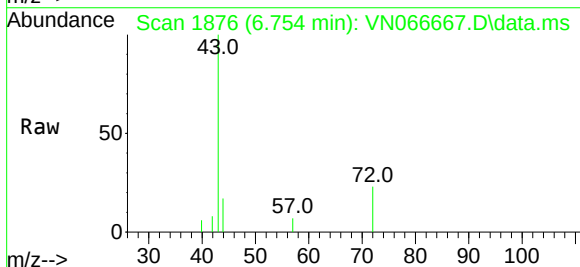
Acq: 19 Apr 2021 17:04

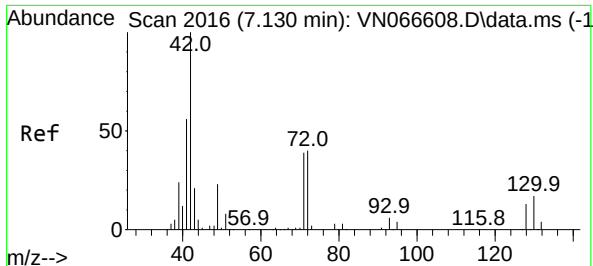
Tgt Ion: 43 Resp: 10505

Ion Ratio Lower Upper

43 100

72 23.3 23.1 34.7





#29

Tetrahydrofuran

Concen: 0.68 ug/l

RT: 7.132 min Scan# 2017

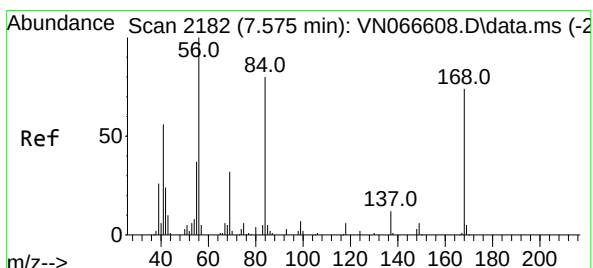
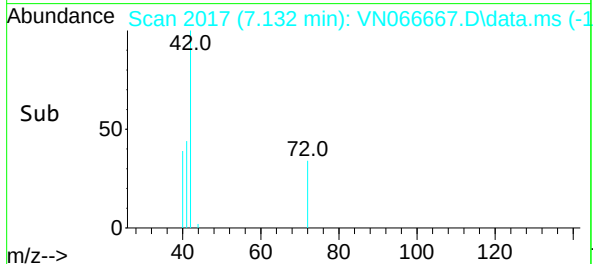
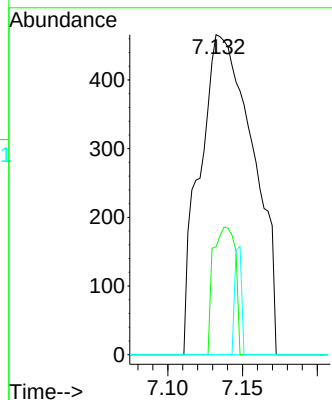
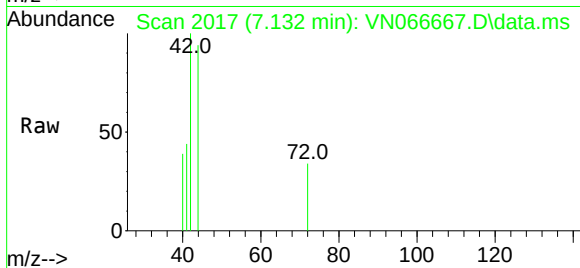
Delta R.T. 0.002 min

Lab File: VN066667.D

Acq: 19 Apr 2021 17:04

Tgt Ion:	42	Resp:	1156
Ion	Ratio	Lower	Upper
42	100		
72	16.4	36.6	55.0#
71	4.3	34.3	51.5#

Instrument :
MSVOA_N
ClientSampleId :



#31

Cyclohexane

Concen: 0.88 ug/l

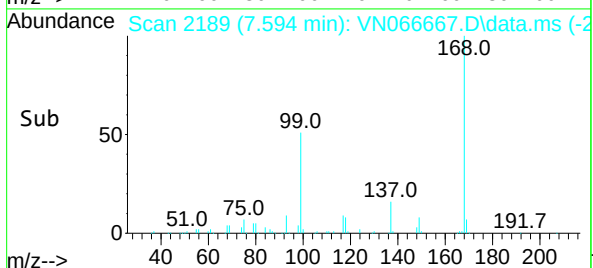
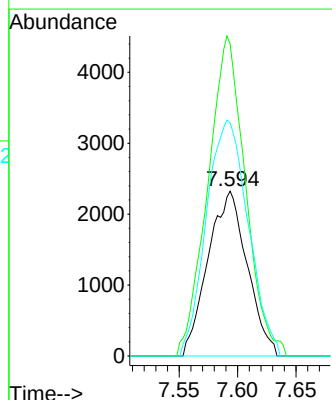
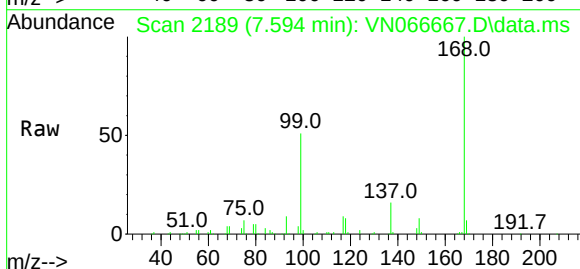
RT: 7.594 min Scan# 2189

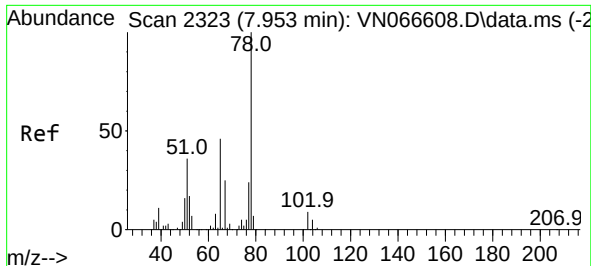
Delta R.T. 0.019 min

Lab File: VN066667.D

Acq: 19 Apr 2021 17:04

Tgt Ion:	56	Resp:	5429
Ion	Ratio	Lower	Upper
56	100		
69	180.8	26.6	39.8#
84	141.5	70.4	105.6#

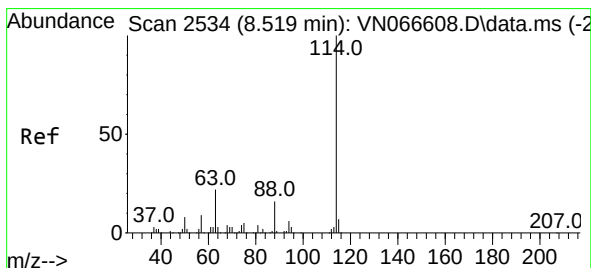
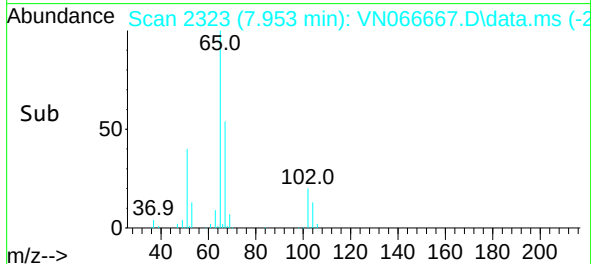
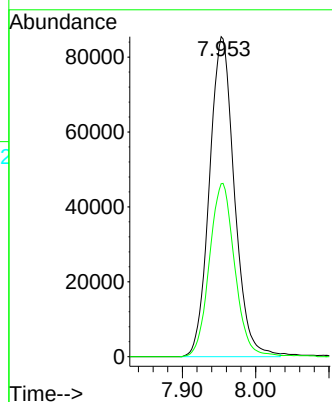
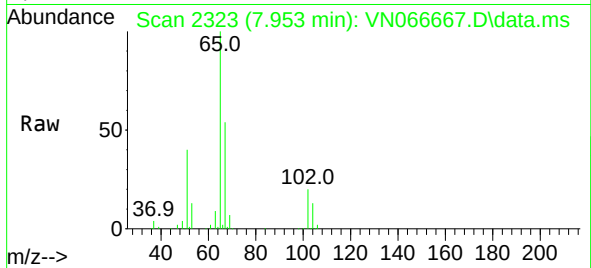




#33
1,2-Dichloroethane-d4
Concen: 47.08 ug/l
RT: 7.953 min Scan# 2323
Delta R.T. -0.000 min
Lab File: VN066667.D
Acq: 19 Apr 2021 17:04

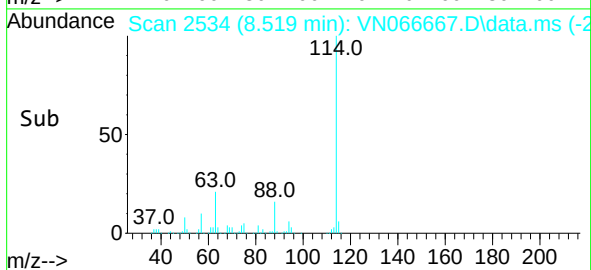
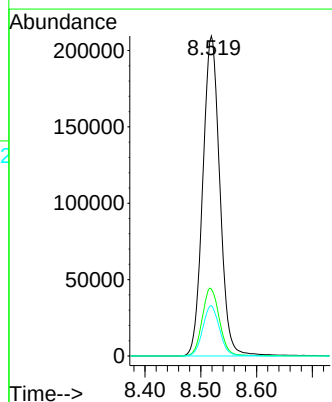
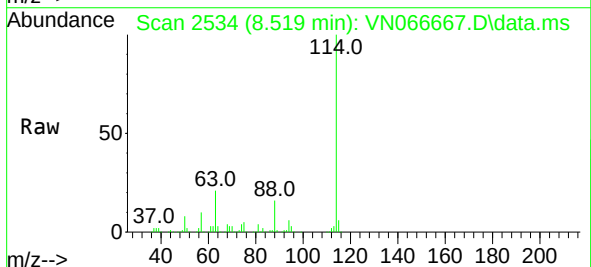
Instrument :
MSVOA_N
ClientSampled :

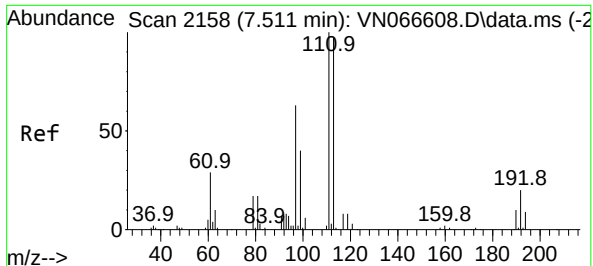
Tgt Ion: 65 Resp: 201969
Ion Ratio Lower Upper
65 100
67 54.9 0.0 107.2



#34
1,4-Difluorobenzene
Concen: 50.00 ug/l
RT: 8.519 min Scan# 2534
Delta R.T. -0.000 min
Lab File: VN066667.D
Acq: 19 Apr 2021 17:04

Tgt Ion: 114 Resp: 443931
Ion Ratio Lower Upper
114 100
63 20.9 0.0 38.6
88 15.8 0.0 30.6





#35

Dibromofluoromethane

Concen: 52.80 ug/l

RT: 7.513 min Scan# 2159

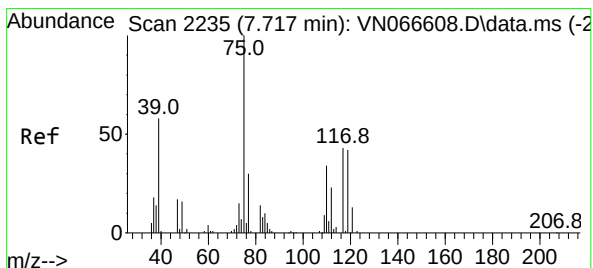
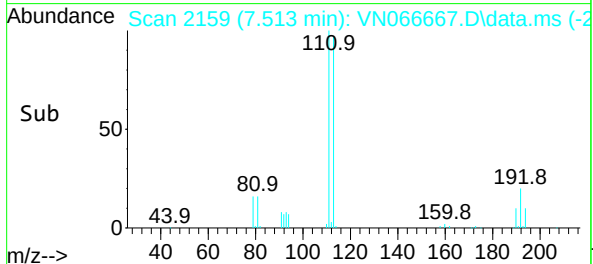
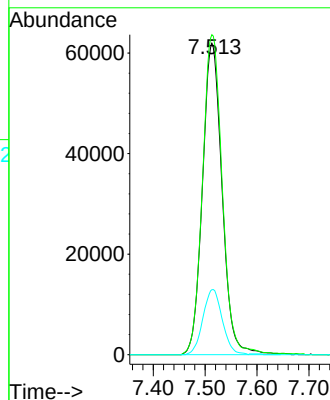
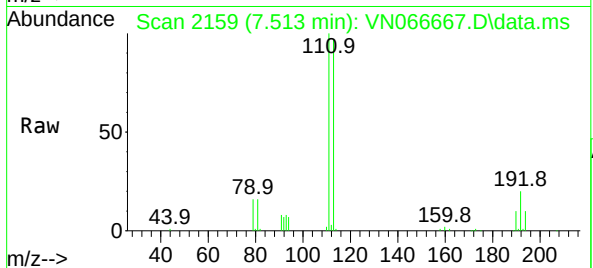
Delta R.T. 0.002 min

Lab File: VN066667.D

Acq: 19 Apr 2021 17:04

Tgt Ion:	113	Resp:	162551
Ion	Ratio	Lower	Upper
113	100		
111	103.6	82.2	123.2
192	20.7	15.4	23.0

Instrument :
MSVOA_N
ClientSampleId :



#36

1,1-Dichloropropene

Concen: 4.66 ug/l

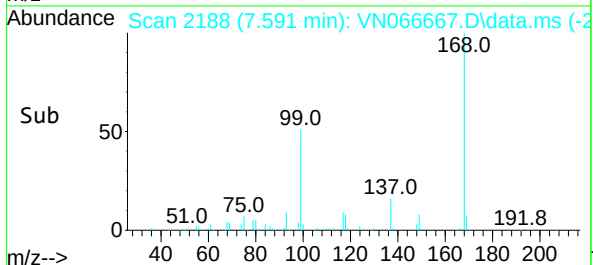
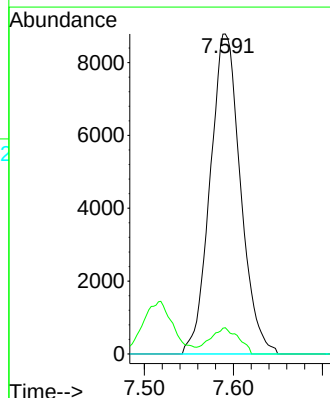
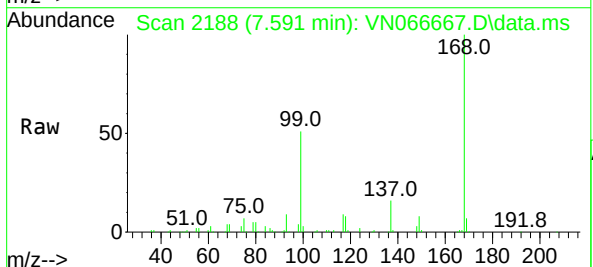
RT: 7.591 min Scan# 2188

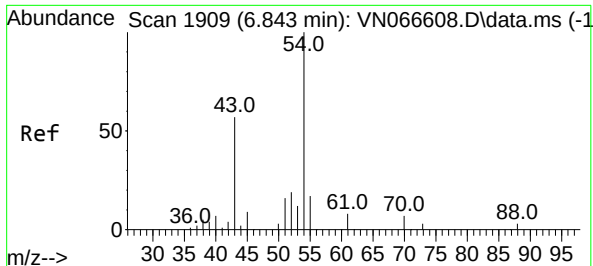
Delta R.T. -0.126 min

Lab File: VN066667.D

Acq: 19 Apr 2021 17:04

Tgt Ion:	75	Resp:	20837
Ion	Ratio	Lower	Upper
75	100		
110	7.7	18.2	54.6#
77	0.0	24.9	37.3#





#37

Ethyl Acetate

Concen: 2.07 ug/l

RT: 6.754 min Scan# 1876

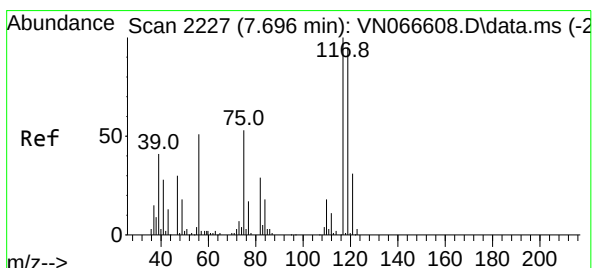
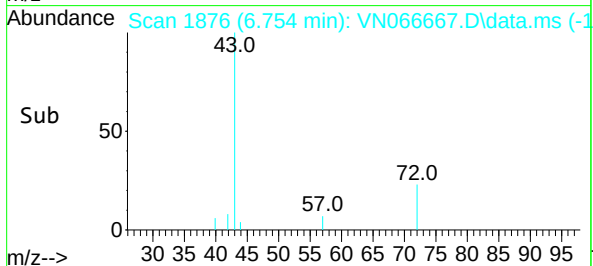
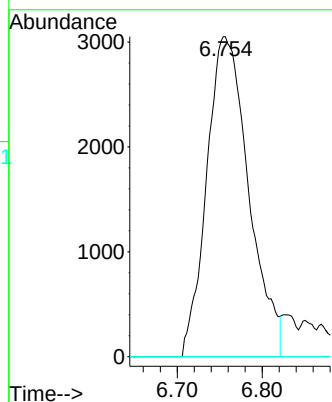
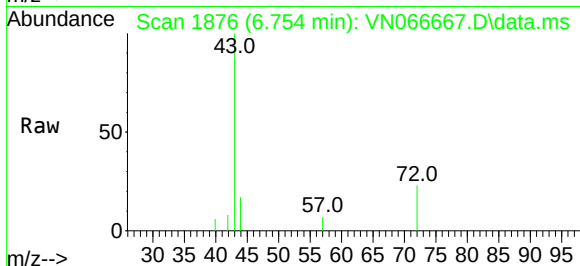
Delta R.T. -0.089 min

Lab File: VN066667.D

Acq: 19 Apr 2021 17:04

Instrument :
MSVOA_N
ClientSampleId :

Tgt Ion:	43	Resp:	10505
Ion	Ratio	Lower	Upper
43	100		
61	0.0	11.6	17.4#
70	0.0	8.6	13.0#



#38

Carbon Tetrachloride

Concen: 6.03 ug/l

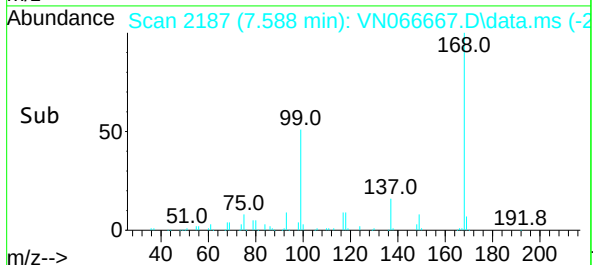
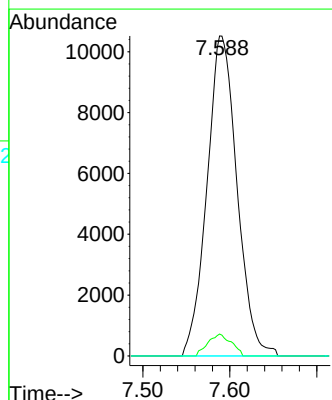
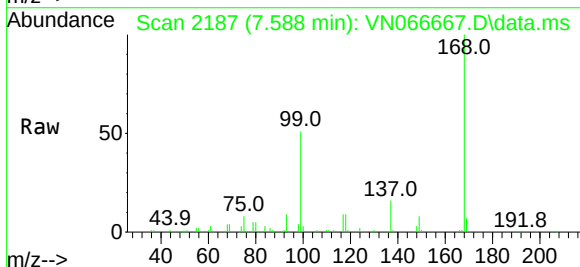
RT: 7.588 min Scan# 2187

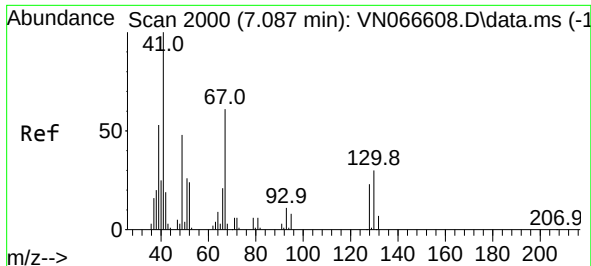
Delta R.T. -0.108 min

Lab File: VN066667.D

Acq: 19 Apr 2021 17:04

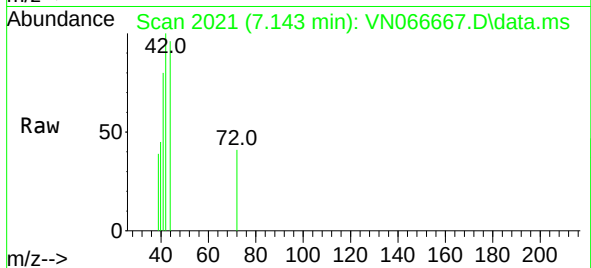
Tgt Ion:	117	Resp:	25265
Ion	Ratio	Lower	Upper
117	100		
119	6.9	76.0	114.0#
121	0.0	24.5	36.7#



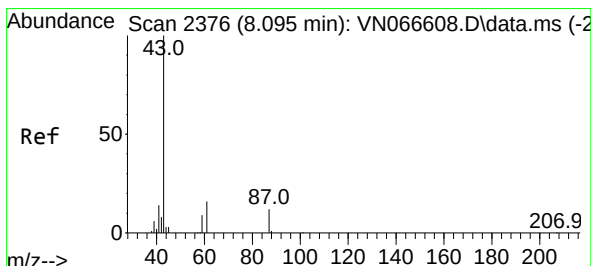
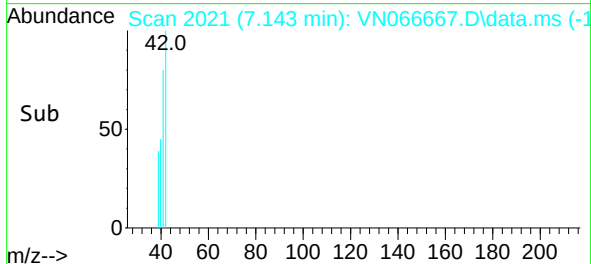
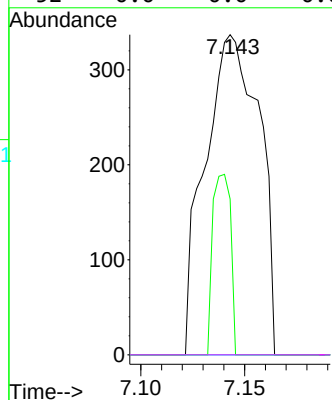


#41
Methacrylonitrile
Concen: 0.26 ug/l
RT: 7.143 min Scan# 2021
Delta R.T. 0.056 min
Lab File: VN066667.D
Acq: 19 Apr 2021 17:04

Instrument :
MSVOA_N
ClientSampleId :

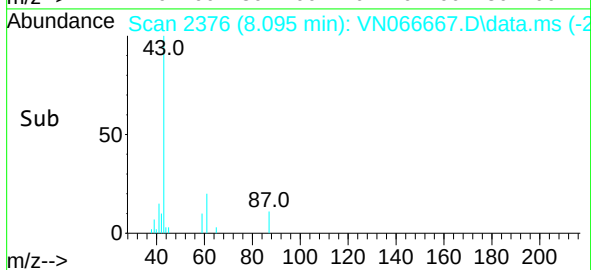
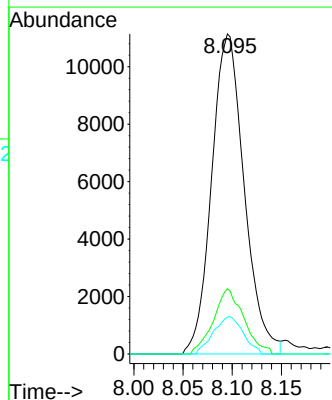
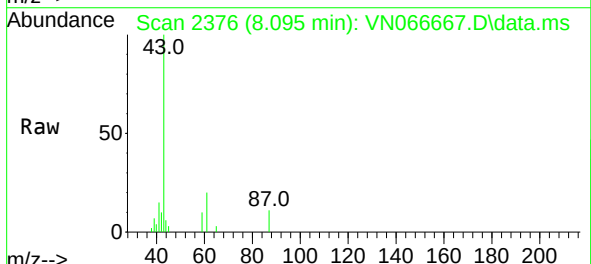


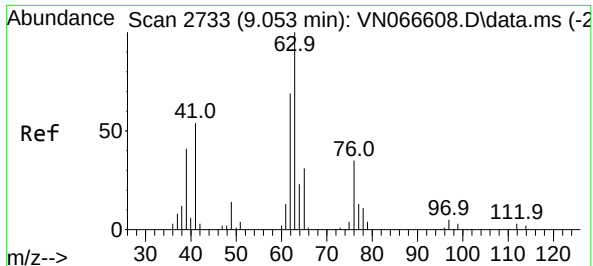
Tgt Ion: 41	Resp: 610
Ion Ratio	Lower Upper
41 100	
39 18.7	0.0 0.0#
67 0.0	0.0 0.0
52 0.0	0.0 0.0



#43
Isopropyl Acetate
Concen: 3.02 ug/l
RT: 8.095 min Scan# 2376
Delta R.T. 0.000 min
Lab File: VN066667.D
Acq: 19 Apr 2021 17:04

Tgt Ion: 43	Resp: 25594
Ion Ratio	Lower Upper
43 100	
61 19.1	22.5 33.7#
87 10.7	11.1 16.7#



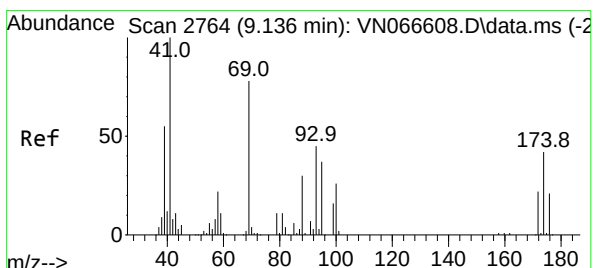
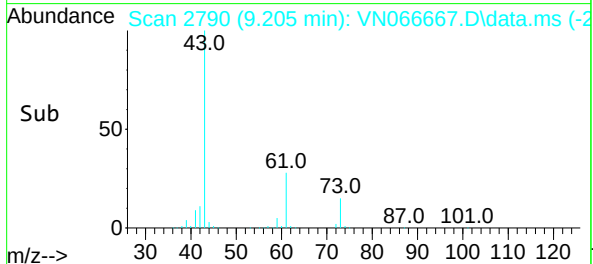
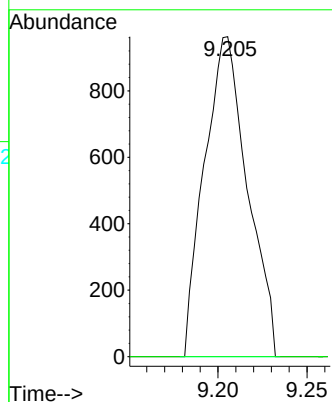
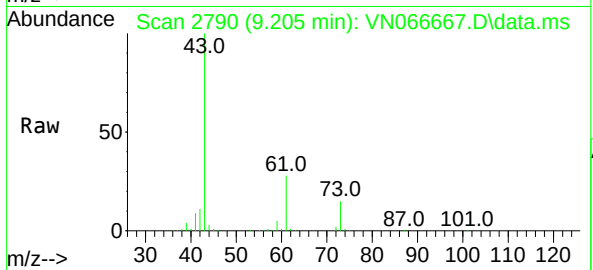


#45

1,2-Dichloropropane
Concen: 0.41 ug/l
RT: 9.205 min Scan# 2790
Delta R.T. 0.152 min
Lab File: VN066667.D
Acq: 19 Apr 2021 17:04

Instrument :
MSVOA_N
ClientSampled :

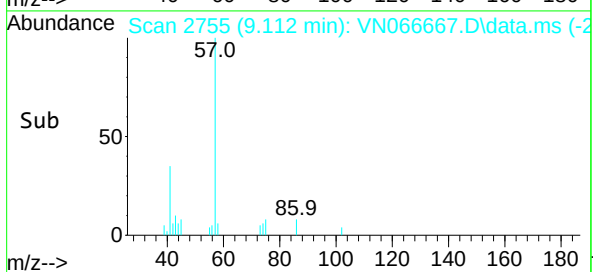
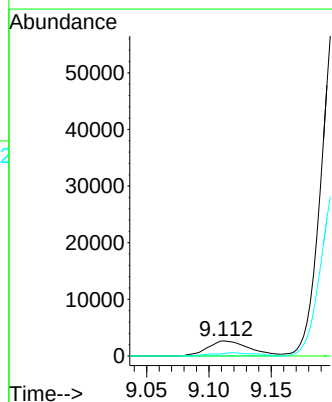
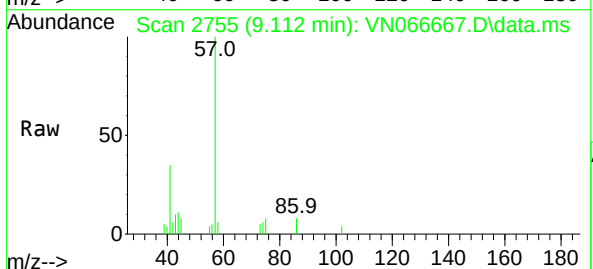
Tgt Ion: 63 Resp: 1620
Ion Ratio Lower Upper
63 100
65 0.0 24.9 37.3#

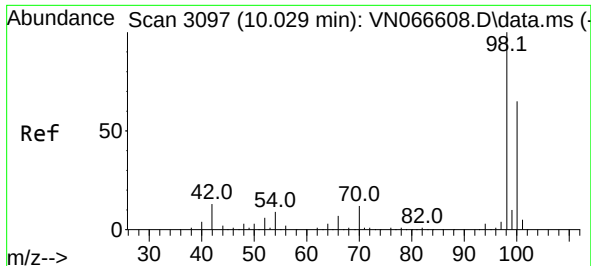


#48

Methyl methacrylate
Concen: 1.61 ug/l
RT: 9.112 min Scan# 2755
Delta R.T. -0.024 min
Lab File: VN066667.D
Acq: 19 Apr 2021 17:04

Tgt Ion: 41 Resp: 6151
Ion Ratio Lower Upper
41 100
69 0.0 75.9 113.9#
39 0.0 46.6 69.8#

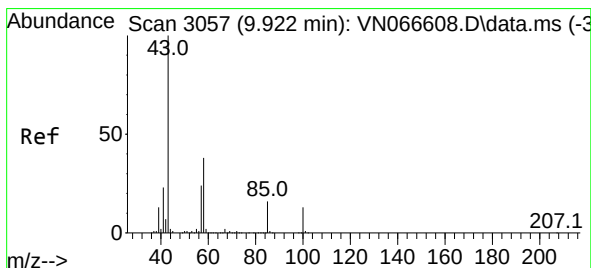
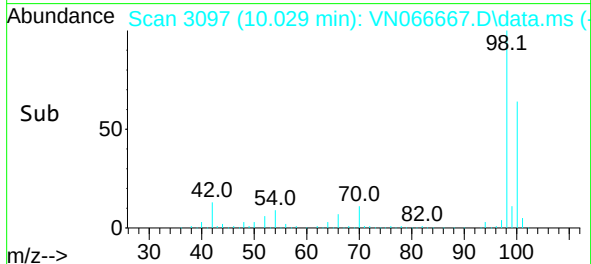
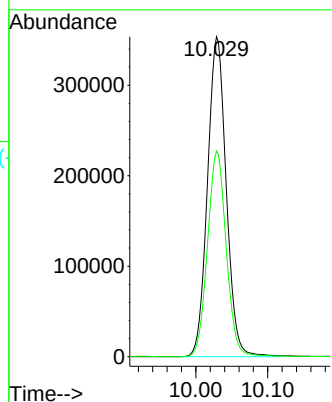
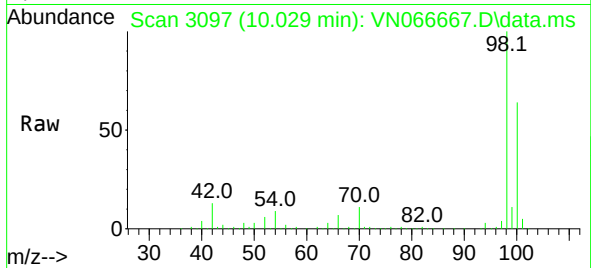




#50
Toluene-d8
Concen: 53.16 ug/l
RT: 10.029 min Scan# 3097
Delta R.T. -0.000 min
Lab File: VN066667.D
Acq: 19 Apr 2021 17:04

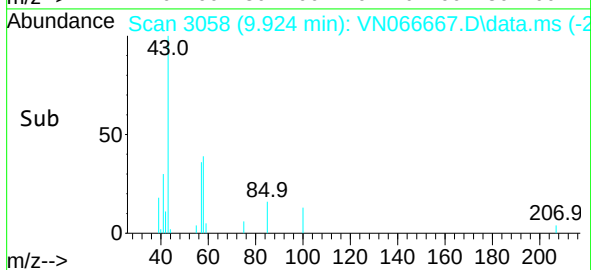
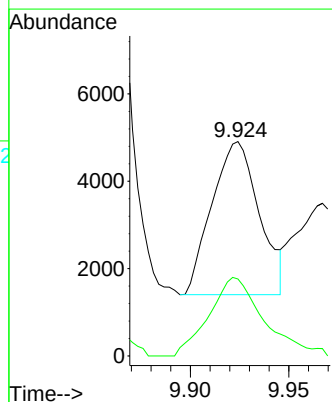
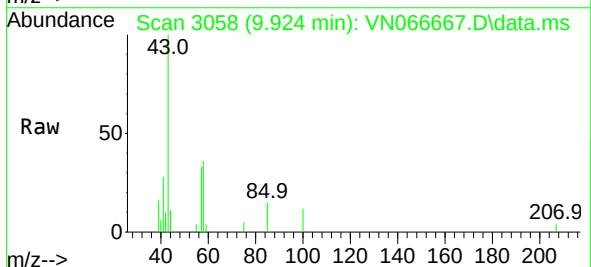
Instrument :
MSVOA_N
ClientSampled :

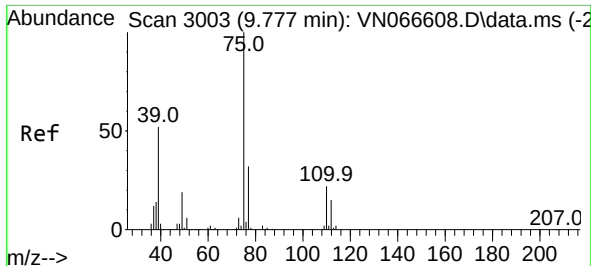
Tgt Ion: 98 Resp: 641475
Ion Ratio Lower Upper
98 100
100 64.2 50.5 75.7



#51
4-Methyl-2-Pentanone
Concen: 1.18 ug/l
RT: 9.924 min Scan# 3058
Delta R.T. 0.002 min
Lab File: VN066667.D
Acq: 19 Apr 2021 17:04

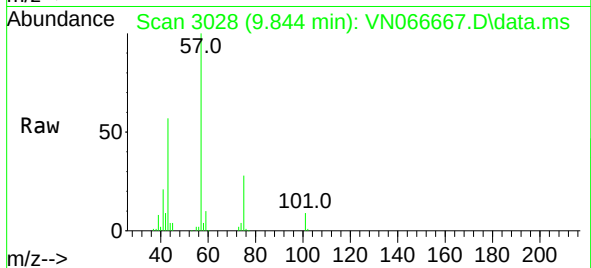
Tgt Ion: 43 Resp: 5865
Ion Ratio Lower Upper
43 100
58 59.2 32.5 48.7#



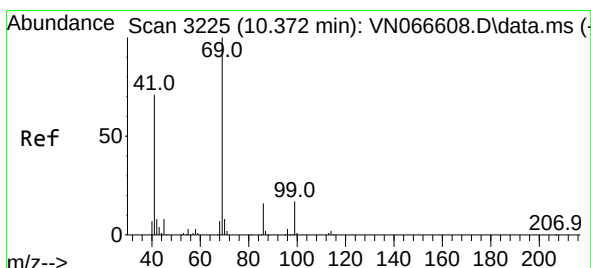
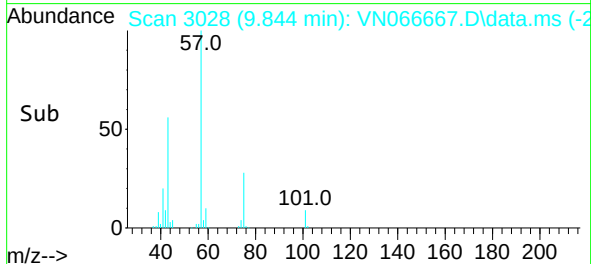
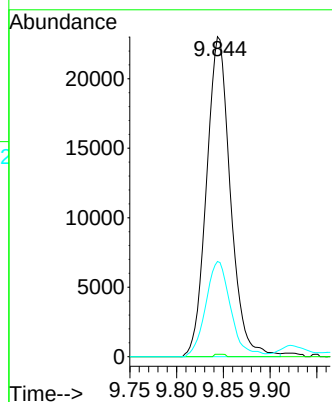


#54
 cis-1,3-Dichloropropene
 Concen: 7.02 ug/l
 RT: 9.844 min Scan# 3028
 Delta R.T. 0.067 min
 Lab File: VN066667.D
 Acq: 19 Apr 2021 17:04

Instrument :
 MSVOA_N
 ClientSampleId :

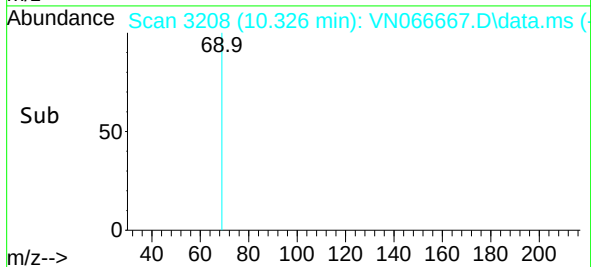
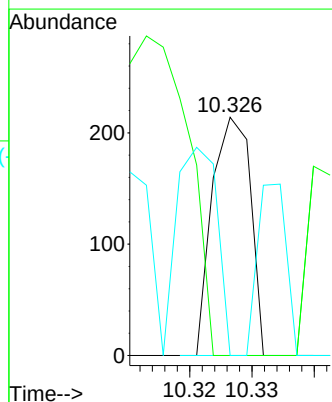
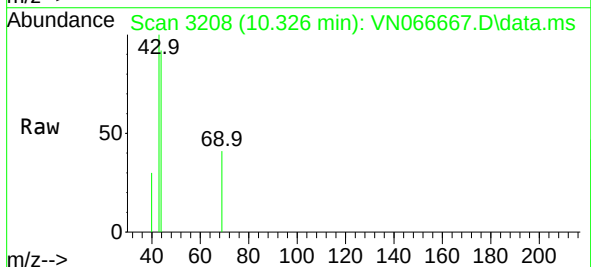


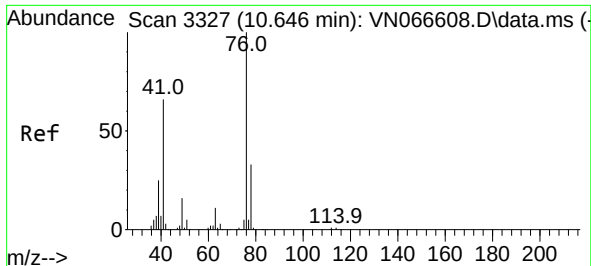
Tgt Ion: 75 Resp: 41021
 Ion Ratio Lower Upper
 75 100
 77 0.7 24.9 37.3#
 39 29.7 36.2 54.4#



#56
 Ethyl methacrylate
 Concen: 0.91 ug/l
 RT: 10.326 min Scan# 3208
 Delta R.T. -0.046 min
 Lab File: VN066667.D
 Acq: 19 Apr 2021 17:04

Tgt Ion: 69 Resp: 91
 Ion Ratio Lower Upper
 69 100
 41 0.0 49.6 74.4#
 39 0.0 28.0 42.0#

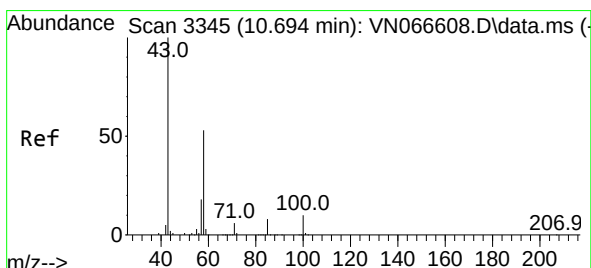
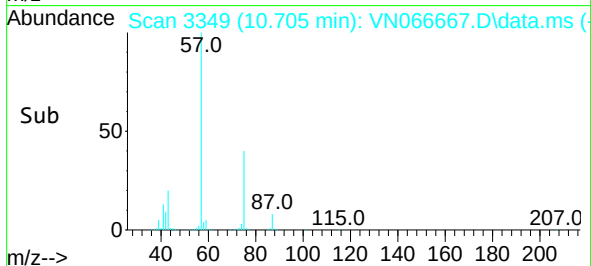
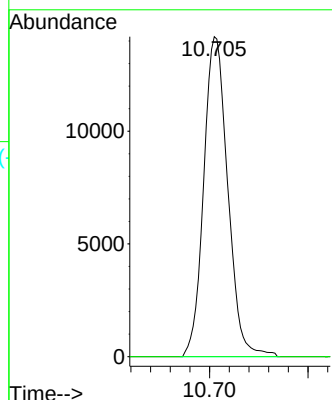
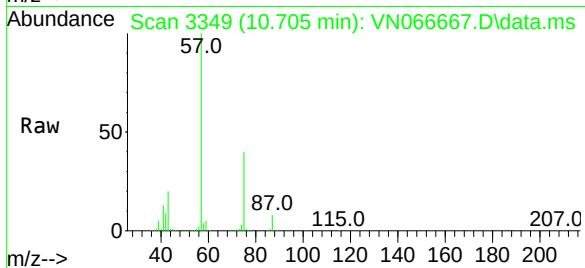




#57
1,3-Dichloropropane
Concen: 4.13 ug/l
RT: 10.705 min Scan# 3349
Delta R.T. 0.059 min
Lab File: VN066667.D
Acq: 19 Apr 2021 17:04

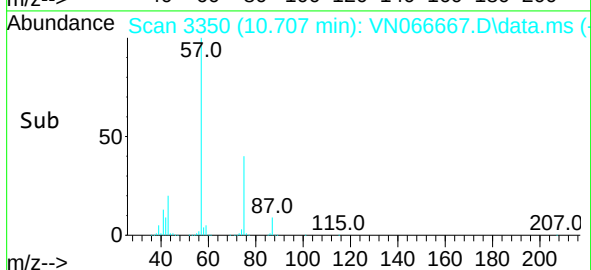
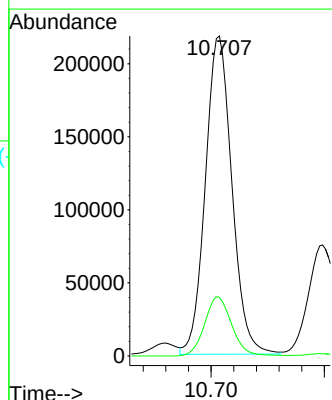
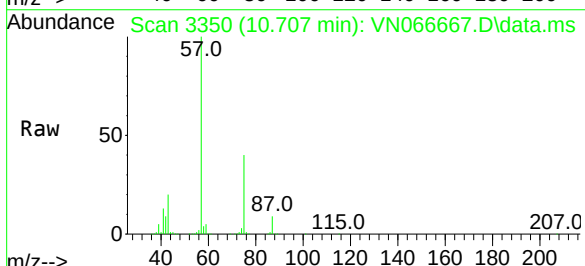
Instrument :
MSVOA_N
ClientSampled :

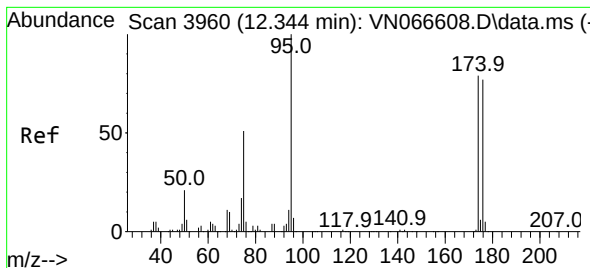
Tgt Ion: 76 Resp: 24125
Ion Ratio Lower Upper
76 100
78 0.0 25.7 38.5#



#59
2-Hexanone
Concen: 102.72 ug/l
RT: 10.707 min Scan# 3350
Delta R.T. 0.013 min
Lab File: VN066667.D
Acq: 19 Apr 2021 17:04

Tgt Ion: 43 Resp: 354602
Ion Ratio Lower Upper
43 100
58 19.0 28.1 84.3#

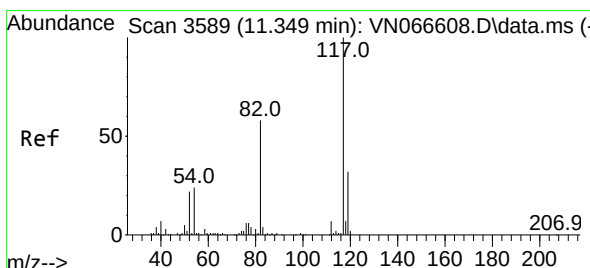
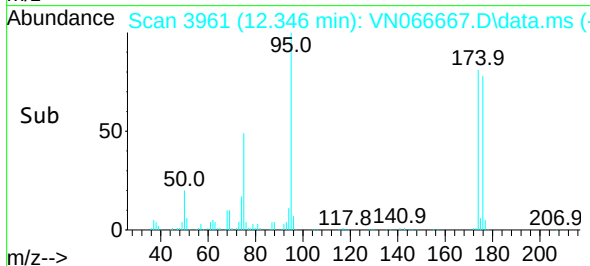
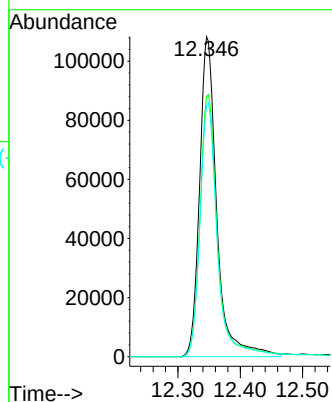
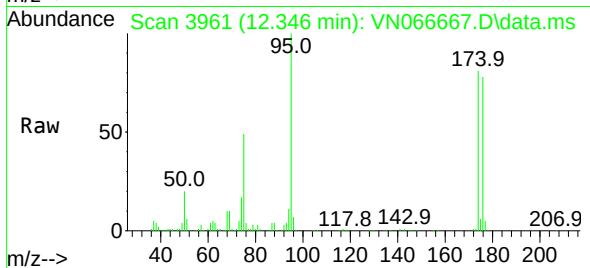




#62
4-Bromofluorobenzene
Concen: 48.94 ug/l
RT: 12.346 min Scan# 3961
Delta R.T. 0.002 min
Lab File: VN066667.D
Acq: 19 Apr 2021 17:04

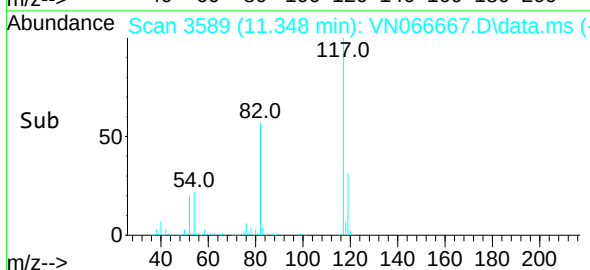
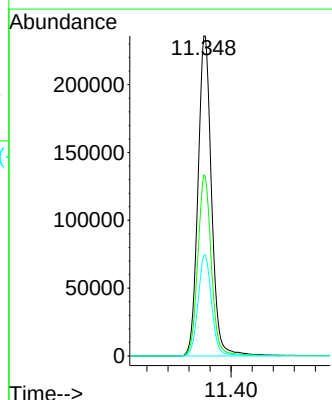
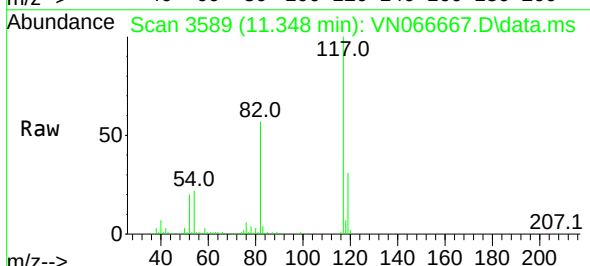
Instrument :
MSVOA_N
ClientSampleId :

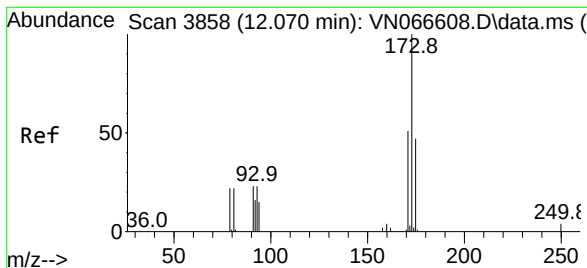
Tgt Ion: 95 Resp: 207648
Ion Ratio Lower Upper
95 100
174 83.4 0.0 169.0
176 79.9 0.0 162.4



#63
Chlorobenzene-d5
Concen: 50.00 ug/l
RT: 11.348 min Scan# 3589
Delta R.T. -0.001 min
Lab File: VN066667.D
Acq: 19 Apr 2021 17:04

Tgt Ion: 117 Resp: 421784
Ion Ratio Lower Upper
117 100
82 56.6 43.7 65.5
119 31.5 26.1 39.1

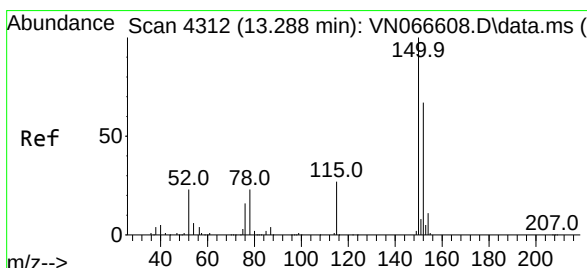
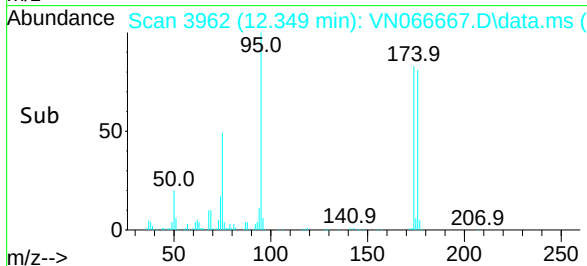
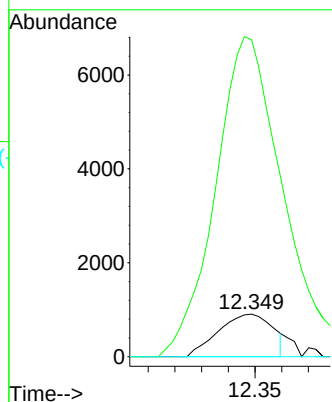
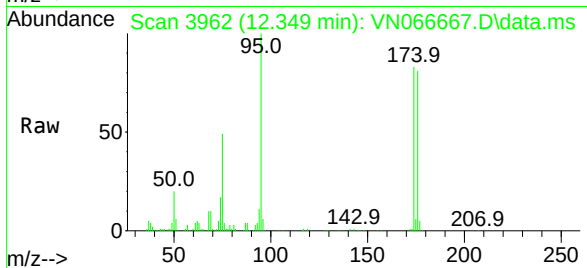




#71
Bromoform
Concen: 0.51 ug/l
RT: 12.349 min Scan# 3962
Delta R.T. 0.279 min
Lab File: VN066667.D
Acq: 19 Apr 2021 17:04

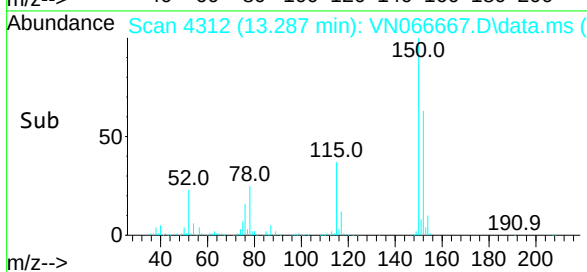
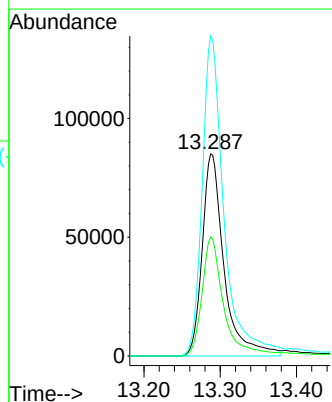
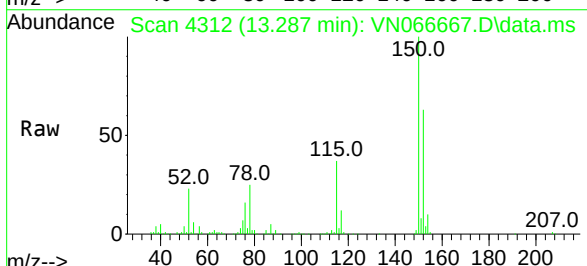
Instrument :
MSVOA_N
ClientSampleId :

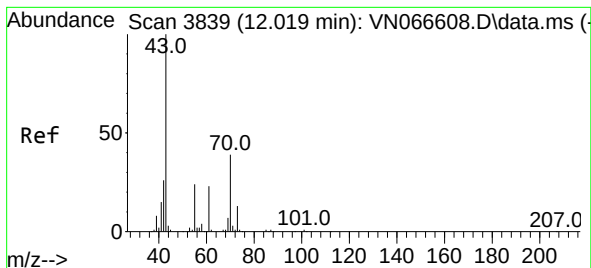
Tgt Ion:173 Resp: 1279
Ion Ratio Lower Upper
173 100
175 778.9 23.8 71.2#
254 0.0 0.0 0.0



#72
1,4-Dichlorobenzene-d4
Concen: 50.00 ug/l
RT: 13.287 min Scan# 4312
Delta R.T. -0.001 min
Lab File: VN066667.D
Acq: 19 Apr 2021 17:04

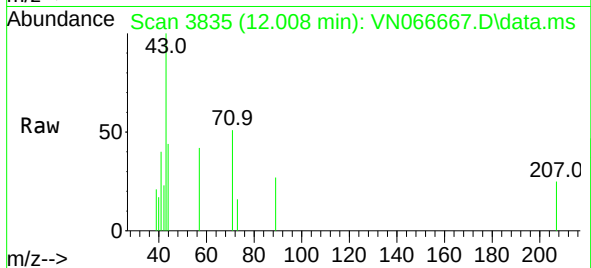
Tgt Ion:152 Resp: 169164
Ion Ratio Lower Upper
152 100
115 57.9 28.5 85.6
150 158.5 0.0 347.6



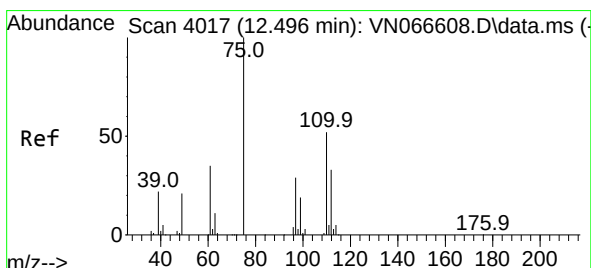
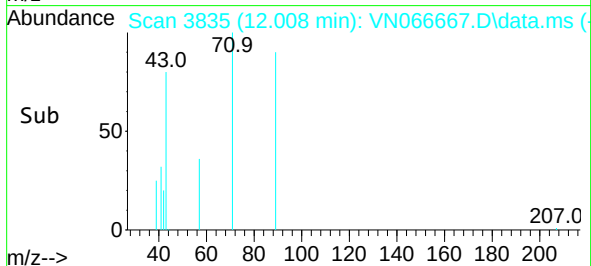
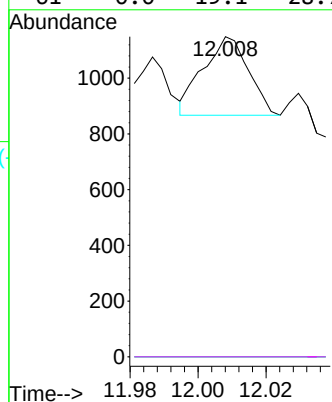


#74
N-amy1 acetate
Concen: 9.78 ug/l
RT: 12.008 min Scan# 3835
Delta R.T. -0.011 min
Lab File: VN066667.D
Acq: 19 Apr 2021 17:04

Instrument :
MSVOA_N
ClientSampleId :

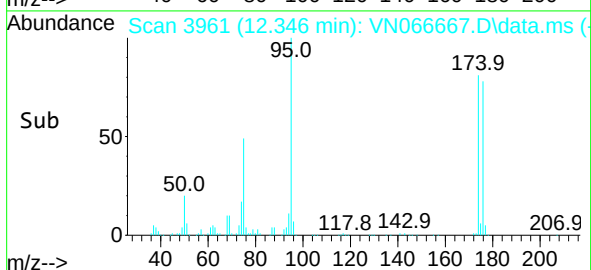
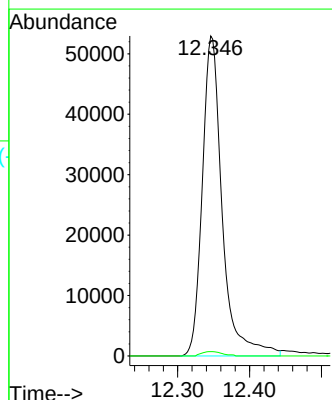
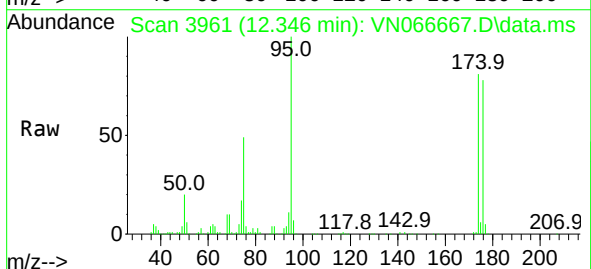


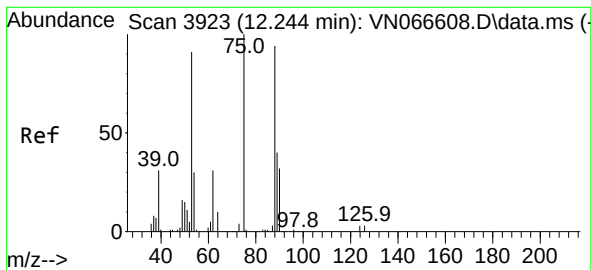
Tgt Ion: 43	Resp: 261
Ion Ratio	Lower Upper
43 100	
70 0.0	34.4 51.6#
55 0.0	20.7 31.1#
61 0.0	19.1 28.7#



#76
1,2,3-Trichloropropane
Concen: 25.82 ug/l
RT: 12.346 min Scan# 3961
Delta R.T. -0.150 min
Lab File: VN066667.D
Acq: 19 Apr 2021 17:04

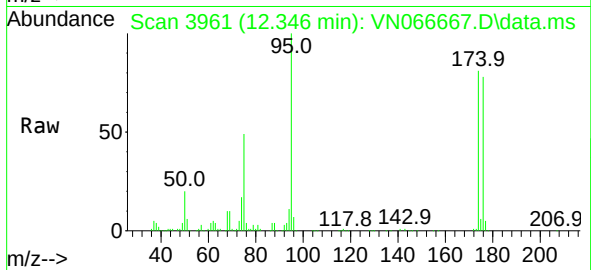
Tgt Ion: 75	Resp: 102159
Ion Ratio	Lower Upper
75 100	
77 1.4	0.0 0.0#





#81
 trans-1,4-Dichloro-2-butene
 Concen: 79.68 ug/l
 RT: 12.346 min Scan# 3961
 Delta R.T. 0.102 min
 Lab File: VN066667.D
 Acq: 19 Apr 2021 17:04

Instrument :
 MSVOA_N
 ClientSampleId :



Tgt Ion: 75 Resp: 102159
 Ion Ratio Lower Upper
 75 100
 53 0.0 74.6 111.8#
 89 0.1 35.8 53.8#

