

Data Path : Z:\voasrv\HPCHEM1\MSVOA_N\Data\VN070221\
 Data File : VN067621.D
 Acq On : 2 Jul 2021 17:04
 Operator : JC/MD
 Sample : M2908-01
 Misc : 5.00mL/MSVOA_N/WATER
 ALS Vial : 19 Sample Multiplier: 1

Instrument :
 MSVOA_N
 ClientSampleId :
 WC-CROPSEY-SOLIDS

Quant Time: Jul 05 05:02:42 2021
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA_N\methods\82N070221W.M
 Quant Title : SW846 8260
 QLast Update : Fri Jul 02 12:55:54 2021
 Response via : Initial Calibration

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

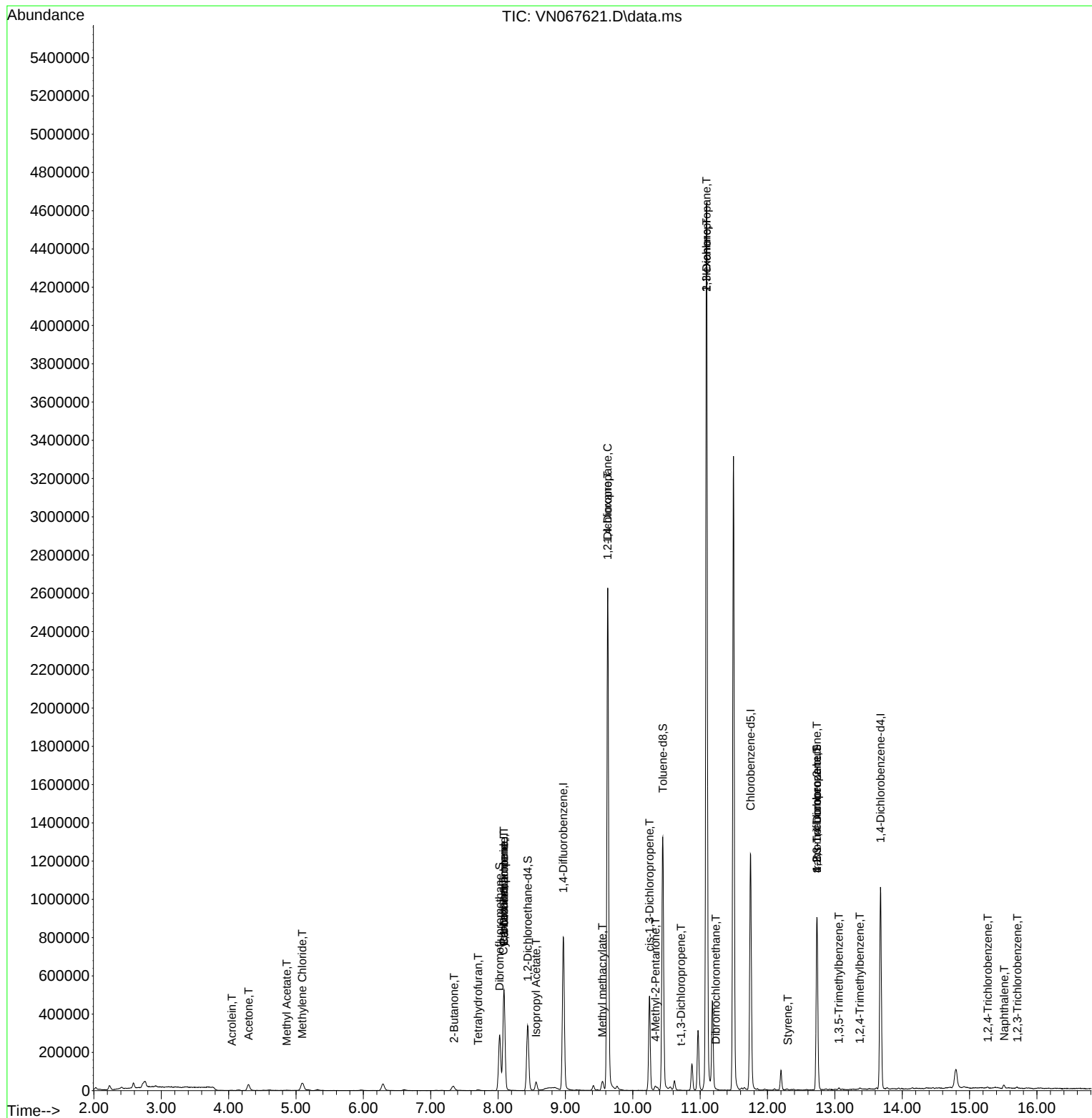
Internal Standards						
1) Pentafluorobenzene	8.088	168	379486	50.000	ug/l	0.00
34) 1,4-Difluorobenzene	8.968	114	700223	50.000	ug/l	0.00
63) Chlorobenzene-d5	11.749	117	708053	50.000	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.678	152	271085	50.000	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	8.440	65	281012	49.486	ug/l	0.00
Spiked Amount 50.000	Range 61 - 141		Recovery =	98.980%		
35) Dibromofluoromethane	8.024	113	207203	47.843	ug/l	0.00
Spiked Amount 50.000	Range 69 - 133		Recovery =	95.680%		
50) Toluene-d8	10.446	98	919678	50.313	ug/l	0.00
Spiked Amount 50.000	Range 65 - 126		Recovery =	100.620%		
62) 4-Bromofluorobenzene	12.733	95	313614	48.094	ug/l	0.00
Spiked Amount 50.000	Range 58 - 135		Recovery =	96.180%		
Target Compounds					Qvalue	
13) Acrolein	4.047	56	841	1.307	ug/l	98
16) Acetone	4.296	43	57508	31.944	ug/l	96
18) Methyl Acetate	4.862	43	1983	0.432	ug/l #	89
20) Methylene Chloride	5.093	84	32000	7.130	ug/l	90
25) 2-Butanone	7.348	43	13124	4.518	ug/l	94
29) Tetrahydrofuran	7.702	42	3381	1.747	ug/l #	68
31) Cyclohexane	8.080	56	10672	1.359	ug/l #	26
36) 1,1-Dichloropropene	8.088	75	34292	5.193	ug/l #	50
38) Carbon Tetrachloride	8.088	117	42396	6.369	ug/l #	17
43) Isopropyl Acetate	8.563	43	50283	4.549	ug/l	93
45) 1,2-Dichloropropane	9.625	63	3074	0.633	ug/l #	44
48) Methyl methacrylate	9.550	41	11881	2.444	ug/l #	12
49) 1,4-Dioxane	9.628	88	256	2.969	ug/l #	1
51) 4-Methyl-2-Pentanone	10.338	43	13941	2.063	ug/l	94
53) t-1,3-Dichloropropene	10.714	75	51	1.725	ug/l #	43
54) cis-1,3-Dichloropropene	10.247	75	86239	11.122	ug/l #	60
57) 1,3-Dichloropropane	11.095	76	47809	5.747	ug/l #	43
59) 2-Hexanone	11.095	43	739963	156.207	ug/l #	54
60) Dibromochloromethane	11.234	129	25	2.052	ug/l #	11
70) Styrene	12.302	104	1324	1.416	ug/l #	88
76) 1,2,3-Trichloropropane	12.733	75	173898	32.075	ug/l #	100
80) 1,3,5-Trimethylbenzene	13.061	105	3768	0.207	ug/l	99
81) trans-1,4-Dichloro-2-b...	12.733	75	173898	96.720	ug/l #	6
84) 1,2,4-Trimethylbenzene	13.372	105	3859	0.217	ug/l	93
93) 1,2,4-Trichlorobenzene	15.271	180	1771	0.469	ug/l	90
95) Naphthalene	15.515	128	15768	5.674	ug/l #	93
96) 1,2,3-Trichlorobenzene	15.708	180	2090	0.599	ug/l	92

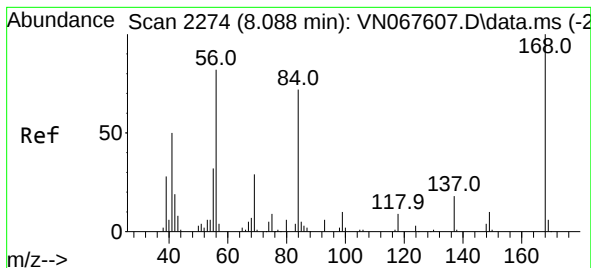
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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Quant Title : SW846 8260
QLast Update : Fri Jul 02 12:55:54 2021
Response via : Initial Calibration





#1

Pentafluorobenzene

Concen: 50.000 ug/l

RT: 8.088 min Scan# 2274

Delta R.T. 0.000 min

Lab File: VN067621.D

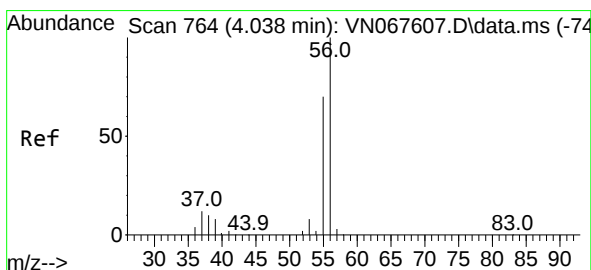
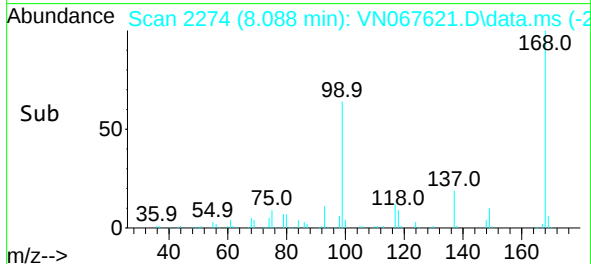
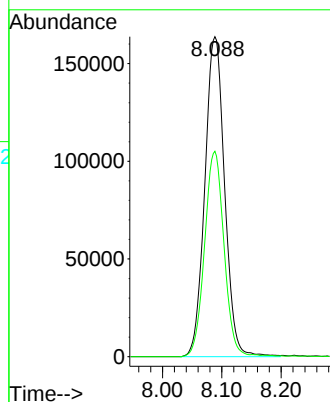
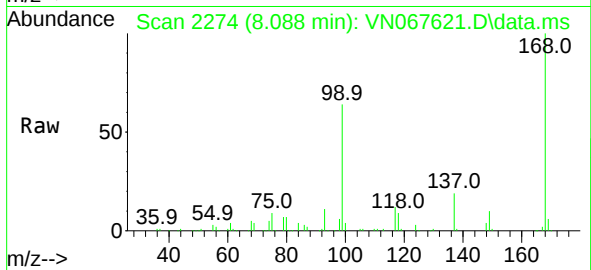
Acq: 2 Jul 2021 17:04

Tgt Ion:168 Resp: 379486

Ion Ratio Lower Upper

168 100

99 64.2 62.9 94.3



#13

Acrolein

Concen: 1.307 ug/l

RT: 4.047 min Scan# 767

Delta R.T. 0.009 min

Lab File: VN067621.D

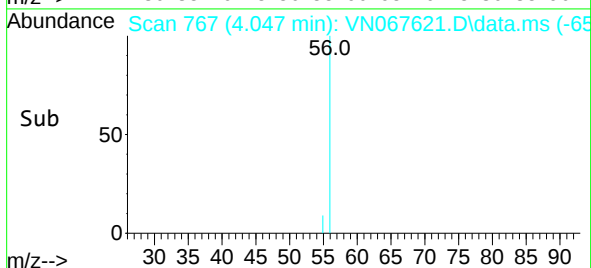
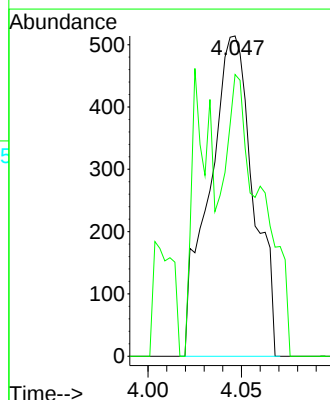
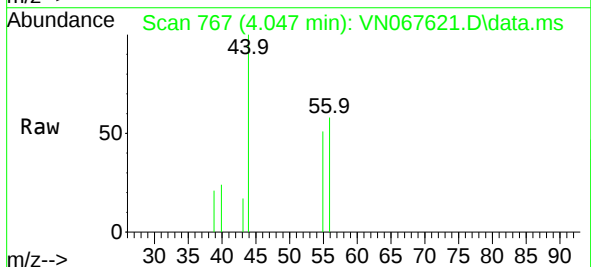
Acq: 2 Jul 2021 17:04

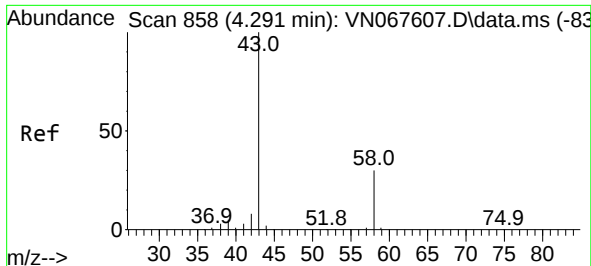
Tgt Ion: 56 Resp: 841

Ion Ratio Lower Upper

56 100

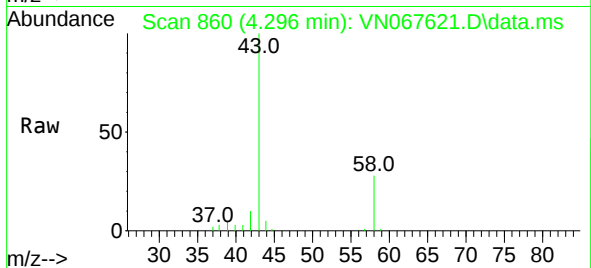
55 70.0 57.4 86.0



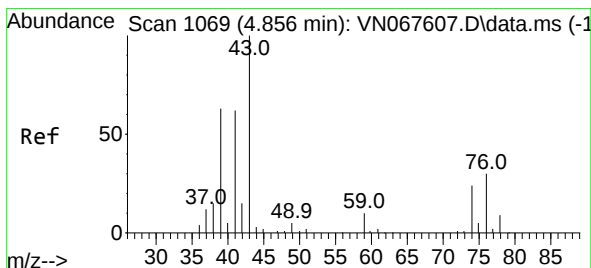
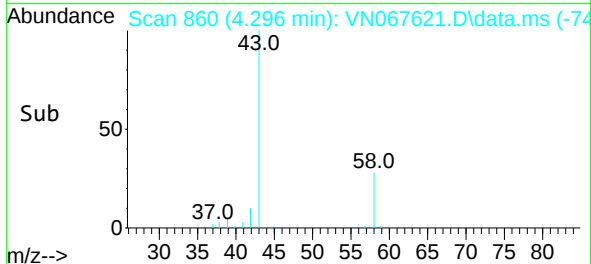
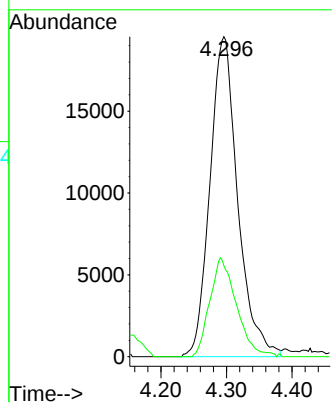


#16
Acetone
Concen: 31.944 ug/l
RT: 4.296 min Scan# 860
Delta R.T. 0.005 min
Lab File: VN067621.D
Acq: 2 Jul 2021 17:04

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WC-CROPSEY-SOLIDS

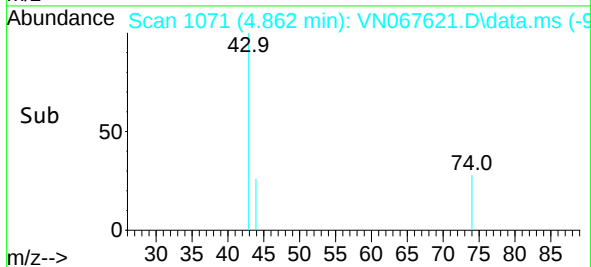
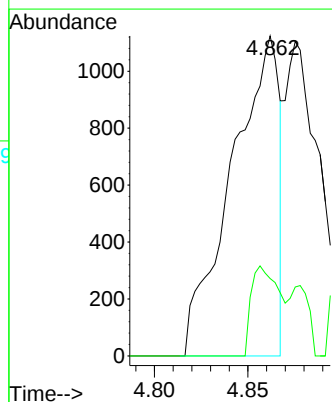
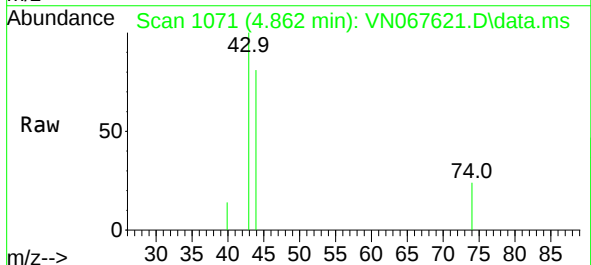


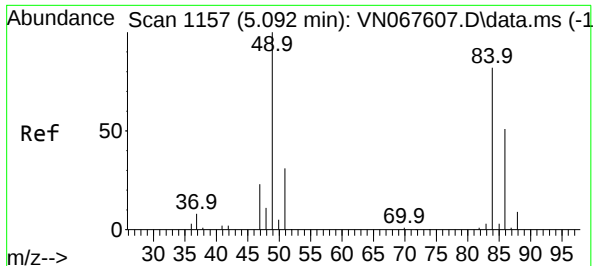
Tgt Ion: 43 Resp: 57508
Ion Ratio Lower Upper
43 100
58 28.4 21.2 31.8



#18
Methyl Acetate
Concen: 0.432 ug/l
RT: 4.862 min Scan# 1071
Delta R.T. 0.006 min
Lab File: VN067621.D
Acq: 2 Jul 2021 17:04

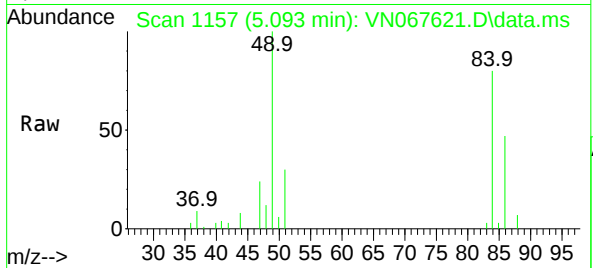
Tgt Ion: 43 Resp: 1983
Ion Ratio Lower Upper
43 100
74 16.5 17.4 26.0#





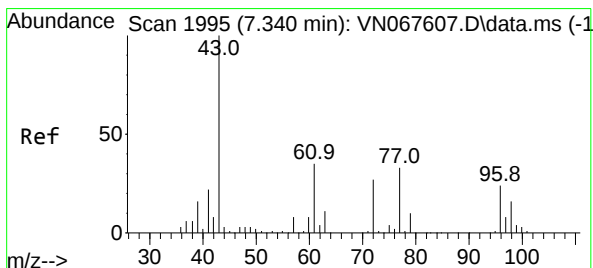
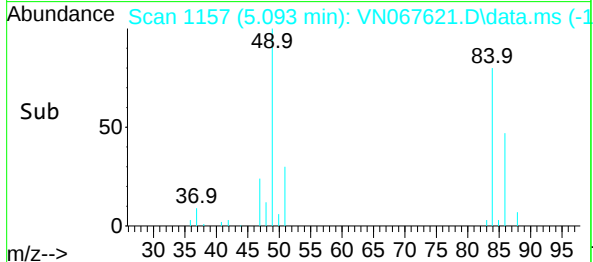
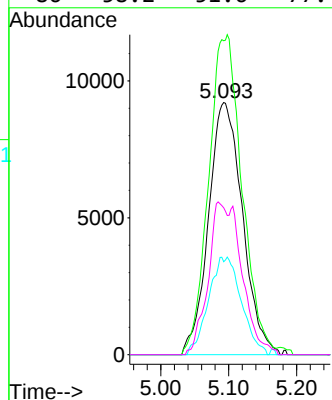
#20
Methylene Chloride
Concen: 7.130 ug/l
RT: 5.093 min Scan# 1157
Delta R.T. 0.001 min
Lab File: VN067621.D
Acq: 2 Jul 2021 17:04

Instrument :
MSVOA_N
ClientSampleId :
WC-CROPSEY-SOLIDS

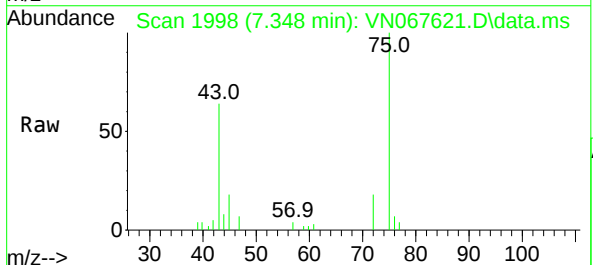


Tgt Ion: 84 Resp: 32000

Ion	Ratio	Lower	Upper
84	100		
49	124.5	110.9	166.3
51	36.9	32.6	49.0
86	58.2	51.6	77.4

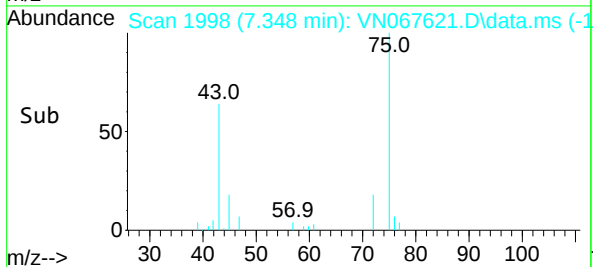
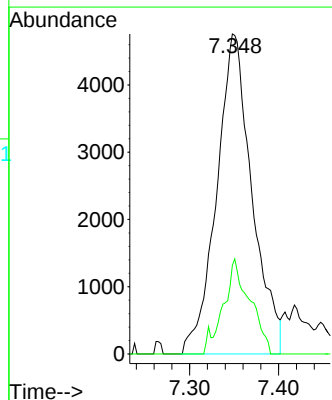


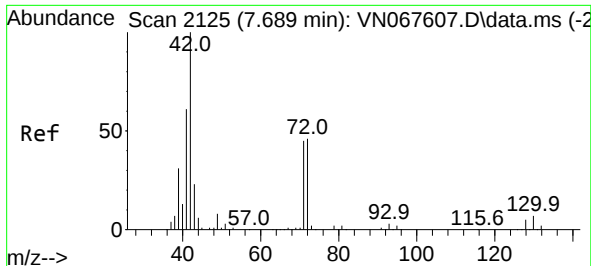
#25
2-Butanone
Concen: 4.518 ug/l
RT: 7.348 min Scan# 1998
Delta R.T. 0.008 min
Lab File: VN067621.D
Acq: 2 Jul 2021 17:04



Tgt Ion: 43 Resp: 13124

Ion	Ratio	Lower	Upper
43	100		
72	27.7	19.7	29.5





#29

Tetrahydrofuran

Concen: 1.747 ug/l

RT: 7.702 min Scan# 2130

Delta R.T. 0.013 min

Lab File: VN067621.D

Acq: 2 Jul 2021 17:04

Tgt Ion: 42 Resp: 3381

Ion Ratio Lower Upper

42 100

72 22.7 32.8 49.2#

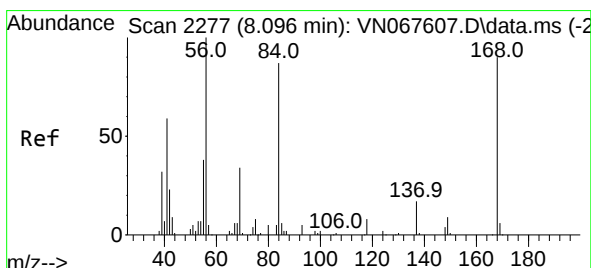
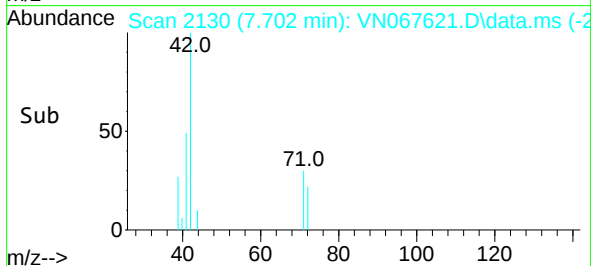
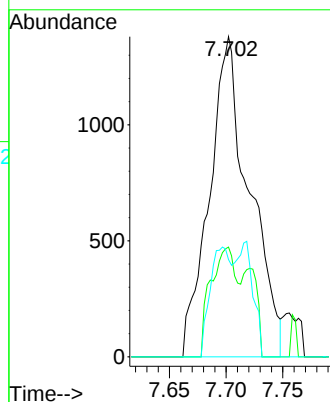
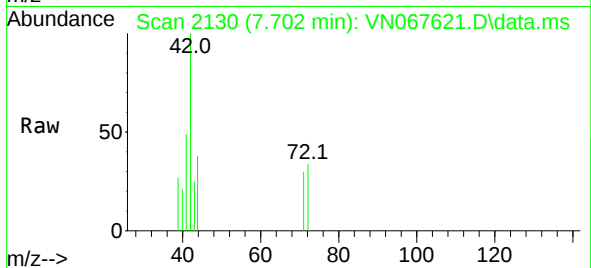
71 17.7 31.2 46.8#

Instrument :

MSVOA_N

ClientSampleId :

WC-CROPSEY-SOLIDS



#31

Cyclohexane

Concen: 1.359 ug/l

RT: 8.080 min Scan# 2271

Delta R.T. -0.016 min

Lab File: VN067621.D

Acq: 2 Jul 2021 17:04

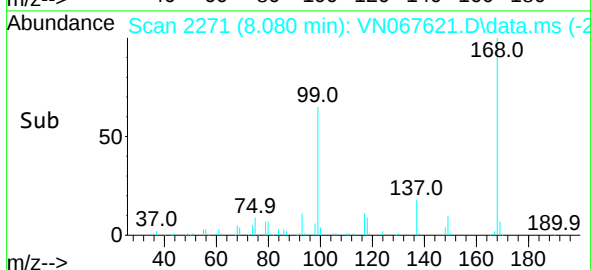
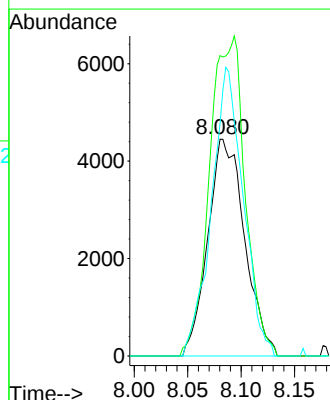
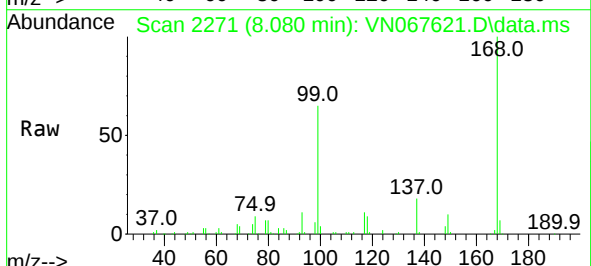
Tgt Ion: 56 Resp: 10672

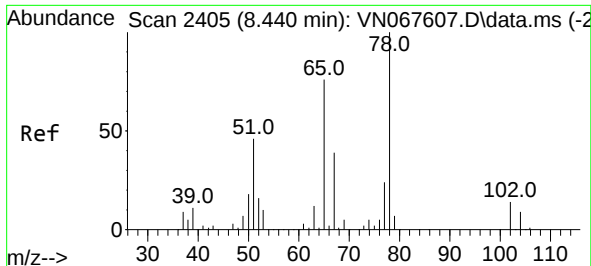
Ion Ratio Lower Upper

56 100

69 138.5 27.3 40.9#

84 107.1 64.9 97.3#



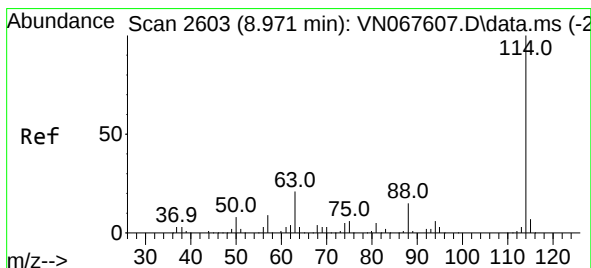
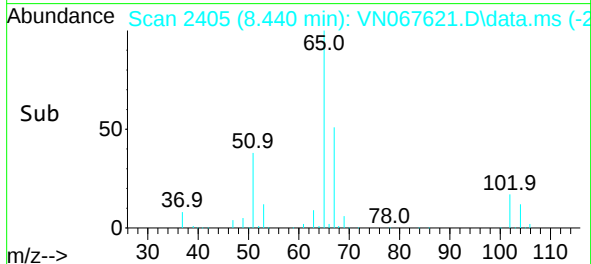
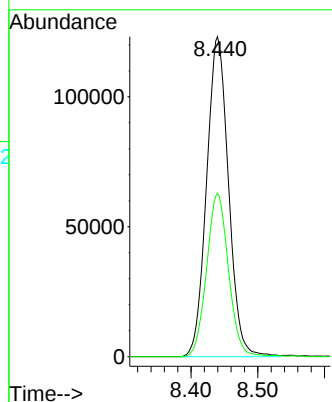
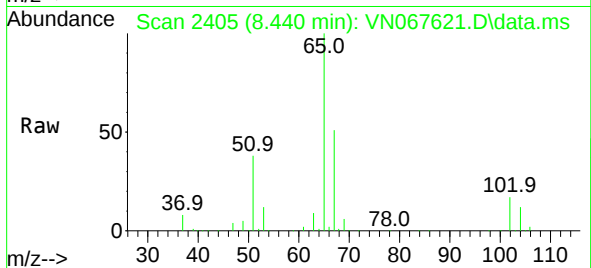


#33

1,2-Dichloroethane-d4
Concen: 49.486 ug/l
RT: 8.440 min Scan# 2405
Delta R.T. -0.000 min
Lab File: VN067621.D
Acq: 2 Jul 2021 17:04

Instrument :
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ClientSampleId :
WC-CROPSEY-SOLIDS

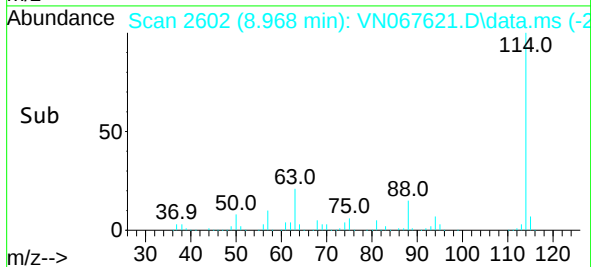
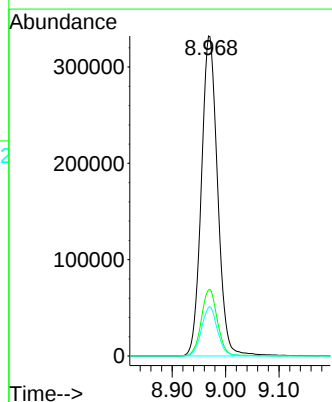
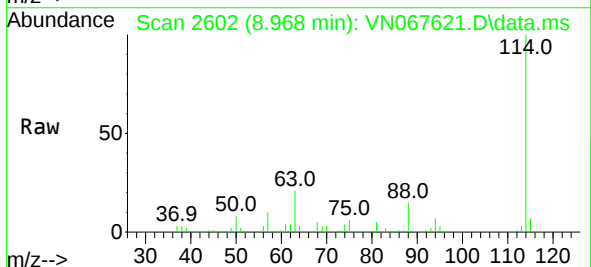
Tgt Ion: 65 Resp: 281012
Ion Ratio Lower Upper
65 100
67 50.8 0.0 98.6

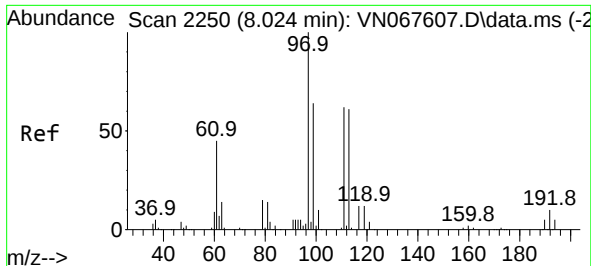


#34

1,4-Difluorobenzene
Concen: 50.000 ug/l
RT: 8.968 min Scan# 2602
Delta R.T. -0.003 min
Lab File: VN067621.D
Acq: 2 Jul 2021 17:04

Tgt Ion: 114 Resp: 700223
Ion Ratio Lower Upper
114 100
63 20.7 0.0 49.0
88 15.2 0.0 36.6





#35

Dibromofluoromethane

Concen: 47.843 ug/l

RT: 8.024 min Scan# 2250

Delta R.T. -0.000 min

Lab File: VN067621.D

Acq: 2 Jul 2021 17:04

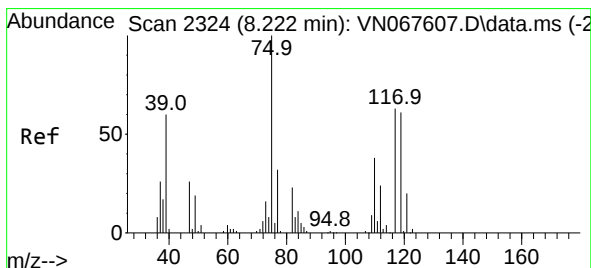
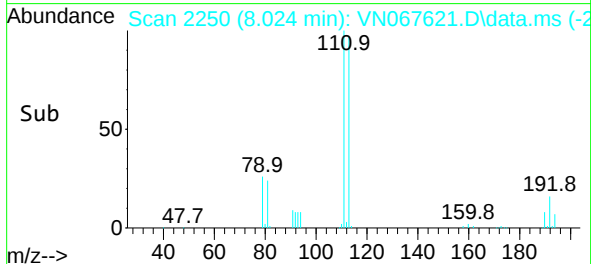
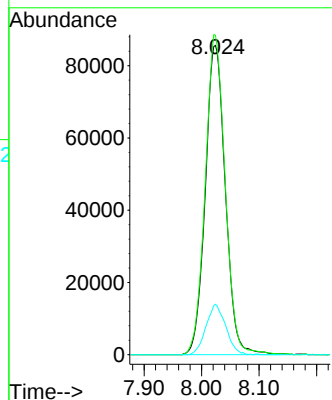
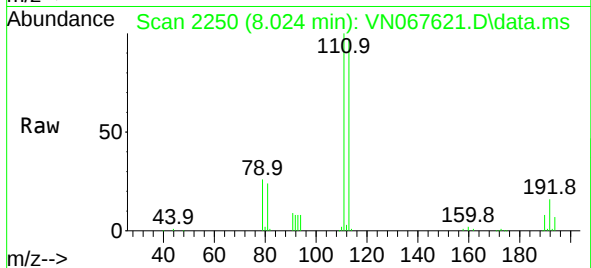
Tgt Ion:113 Resp: 207203

Ion Ratio Lower Upper

113 100

111 103.2 83.8 125.8

192 16.0 13.4 20.0



#36

1,1-Dichloropropene

Concen: 5.193 ug/l

RT: 8.088 min Scan# 2274

Delta R.T. -0.134 min

Lab File: VN067621.D

Acq: 2 Jul 2021 17:04

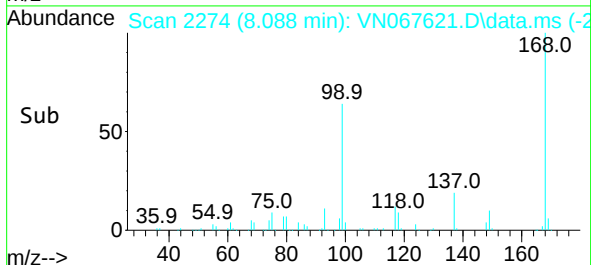
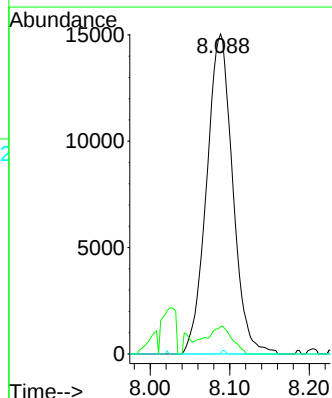
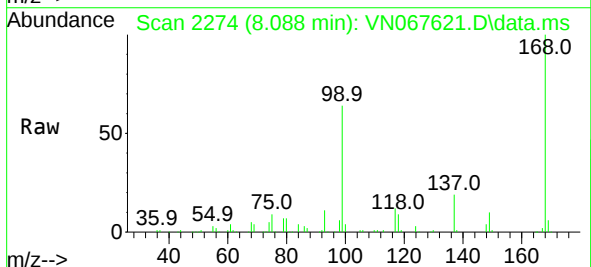
Tgt Ion: 75 Resp: 34292

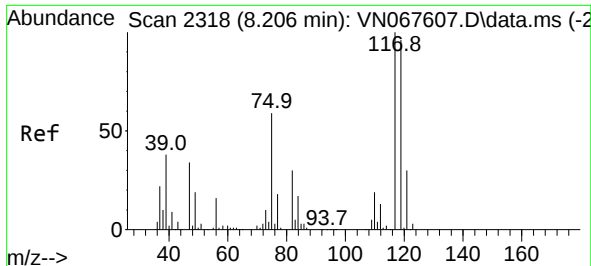
Ion Ratio Lower Upper

75 100

110 6.7 15.7 47.0#

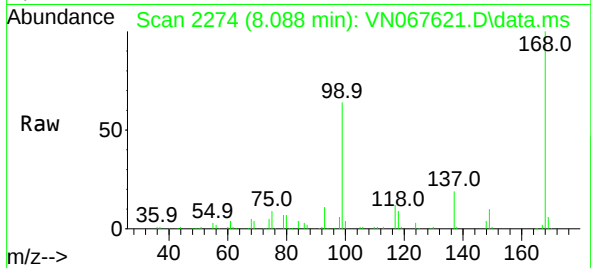
77 0.2 24.6 37.0#



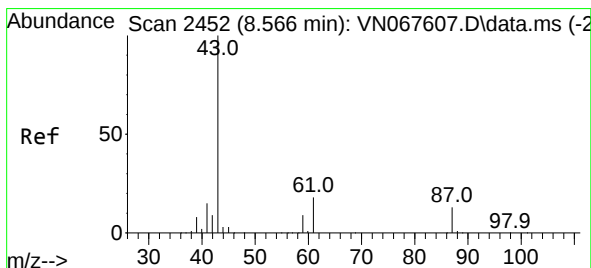
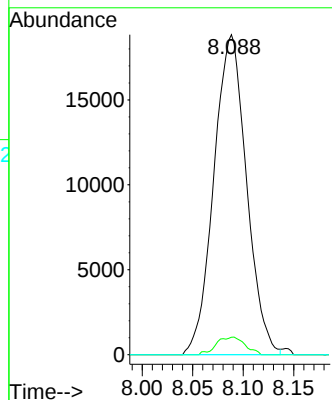
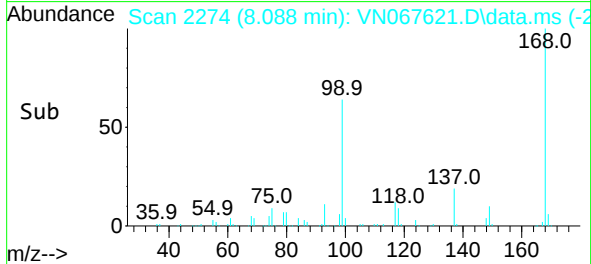


#38
Carbon Tetrachloride
Concen: 6.369 ug/l
RT: 8.088 min Scan# 2274
Delta R.T. -0.118 min
Lab File: VN067621.D
Acq: 2 Jul 2021 17:04

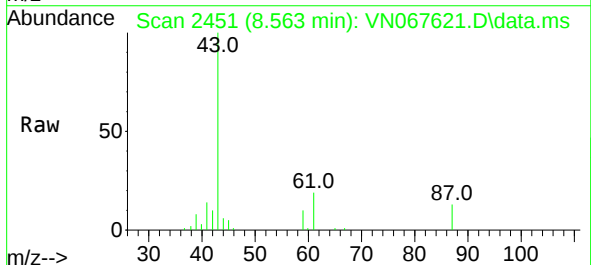
Instrument :
MSVOA_N
ClientSampleId :
WC-CROPSEY-SOLIDS



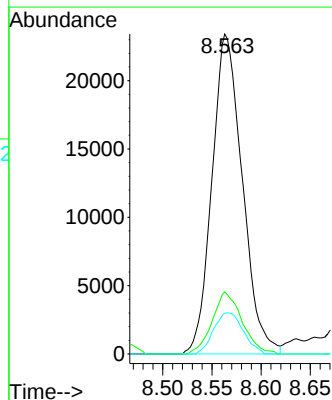
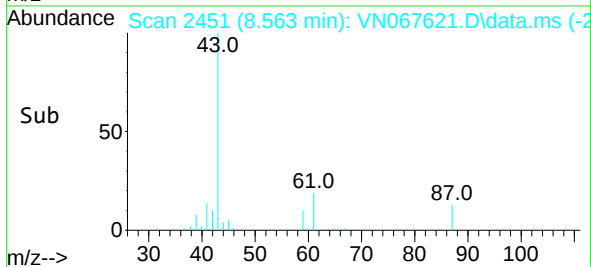
Tgt Ion:117 Resp: 42396
Ion Ratio Lower Upper
117 100
119 5.5 75.4 113.2#
121 0.0 23.5 35.3#

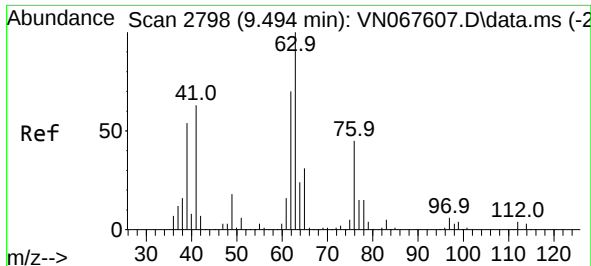


#43
Isopropyl Acetate
Concen: 4.549 ug/l
RT: 8.563 min Scan# 2451
Delta R.T. -0.003 min
Lab File: VN067621.D
Acq: 2 Jul 2021 17:04



Tgt Ion: 43 Resp: 50283
Ion Ratio Lower Upper
43 100
61 19.1 19.0 28.4
87 12.6 9.5 14.3



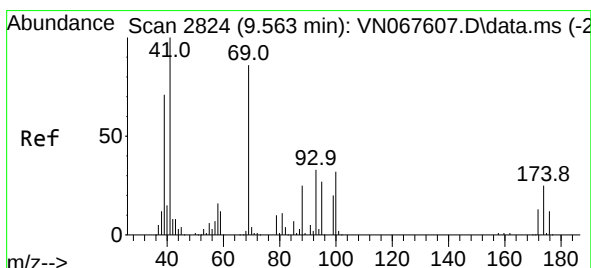
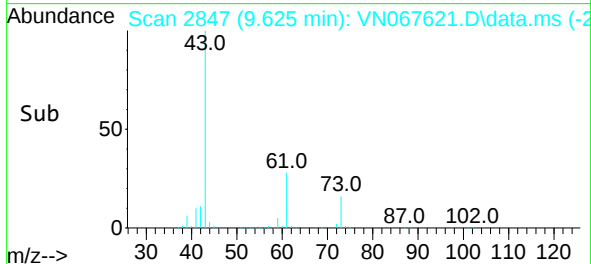
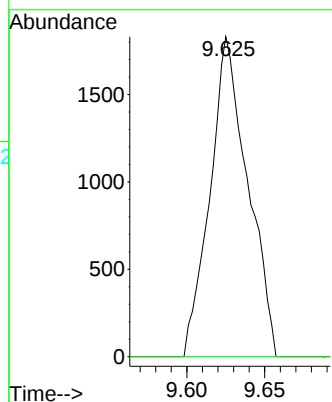
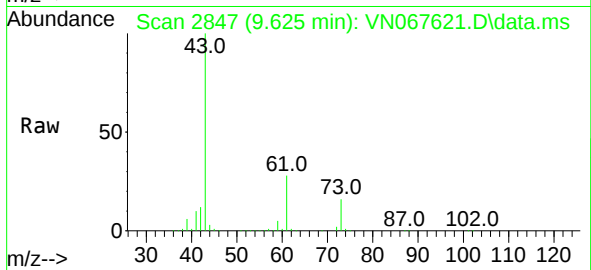


#45

1,2-Dichloropropane
Concen: 0.633 ug/l
RT: 9.625 min Scan# 2847
Delta R.T. 0.131 min
Lab File: VN067621.D
Acq: 2 Jul 2021 17:04

Instrument :
MSVOA_N
ClientSampleId :
WC-CROPSEY-SOLIDS

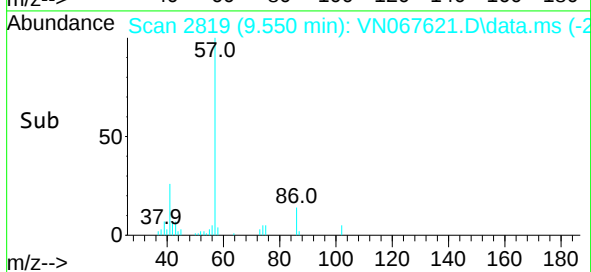
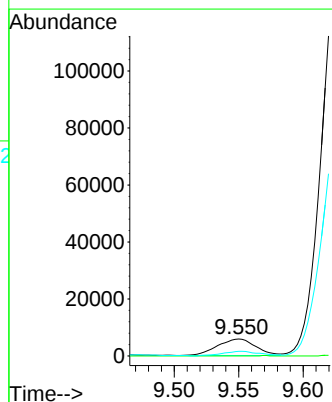
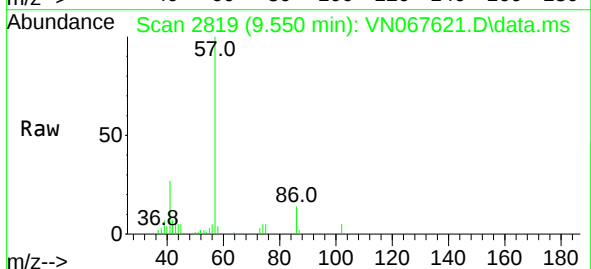
Tgt Ion: 63 Resp: 3074
Ion Ratio Lower Upper
63 100
65 0.0 24.3 36.5#

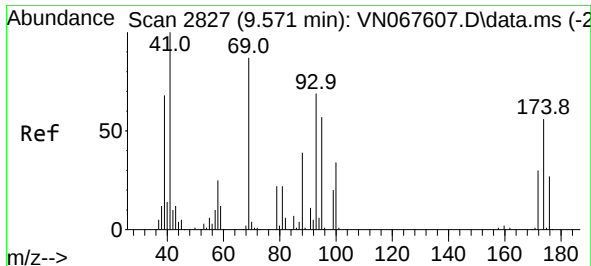


#48

Methyl methacrylate
Concen: 2.444 ug/l
RT: 9.550 min Scan# 2819
Delta R.T. -0.013 min
Lab File: VN067621.D
Acq: 2 Jul 2021 17:04

Tgt Ion: 41 Resp: 11881
Ion Ratio Lower Upper
41 100
69 0.0 64.6 96.8#
39 0.0 53.3 79.9#





#49

1,4-Dioxane

Concen: 2.969 ug/l

RT: 9.628 min Scan# 2848

Delta R.T. 0.057 min

Lab File: VN067621.D

Acq: 2 Jul 2021 17:04

Tgt Ion: 88 Resp: 256

Ion Ratio Lower Upper

88 100

43 1015205.5 28.8 43.2#

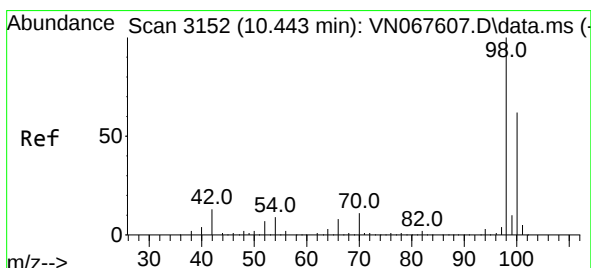
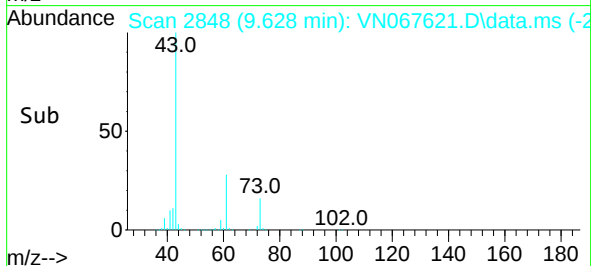
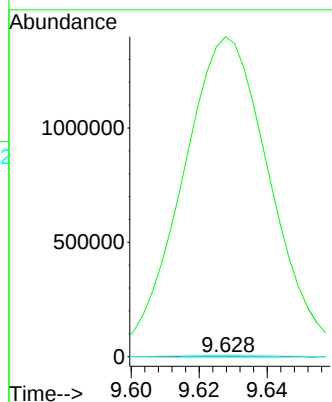
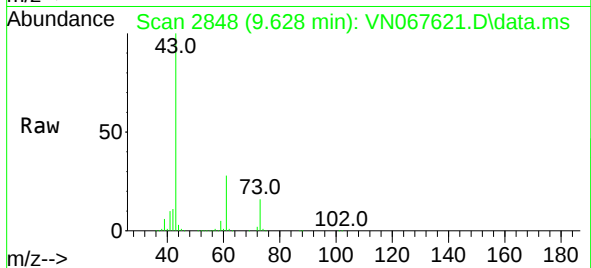
58 3944.5 60.4 90.6#

Instrument :

MSVOA_N

ClientSampleId :

WC-CROPSEY-SOLIDS



#50

Toluene-d8

Concen: 50.313 ug/l

RT: 10.446 min Scan# 3153

Delta R.T. 0.003 min

Lab File: VN067621.D

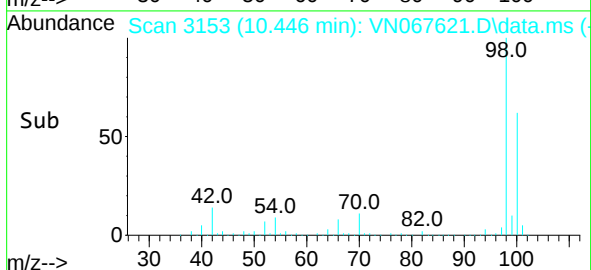
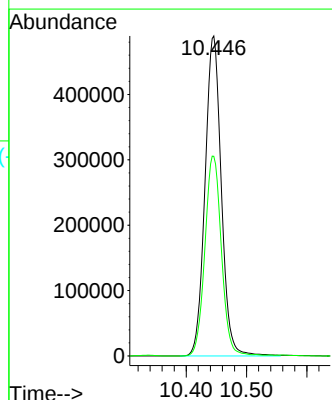
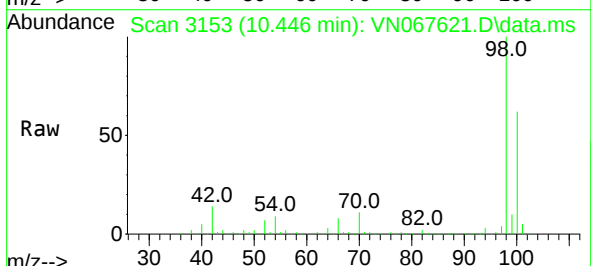
Acq: 2 Jul 2021 17:04

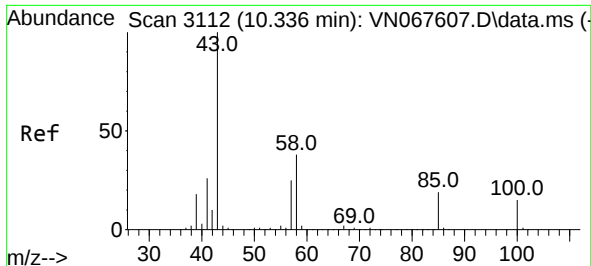
Tgt Ion: 98 Resp: 919678

Ion Ratio Lower Upper

98 100

100 63.1 51.7 77.5

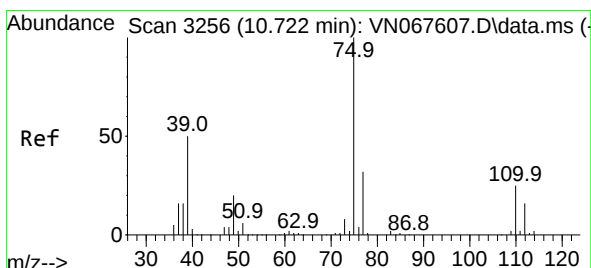
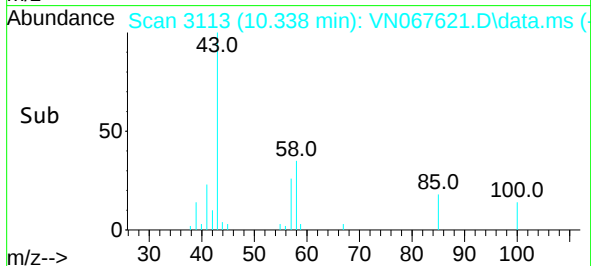
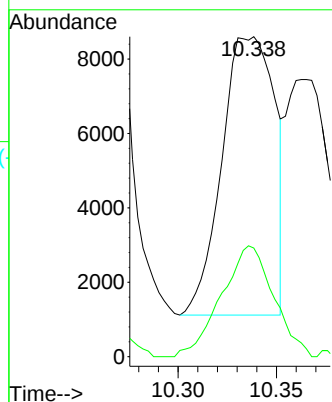
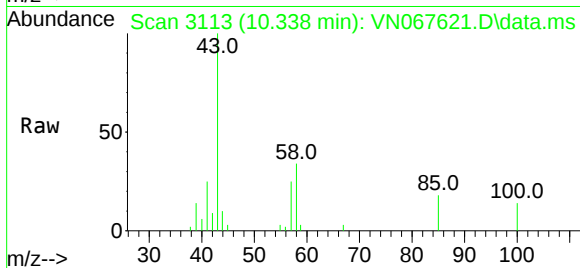




#51
4-Methyl-2-Pentanone
Concen: 2.063 ug/l
RT: 10.338 min Scan# 3113
Delta R.T. 0.002 min
Lab File: VN067621.D
Acq: 2 Jul 2021 17:04

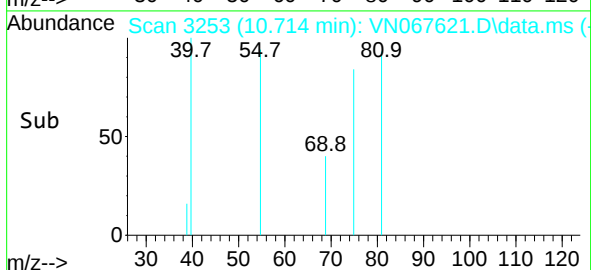
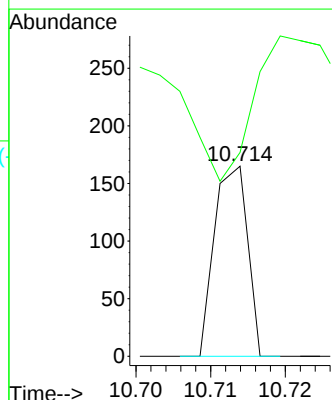
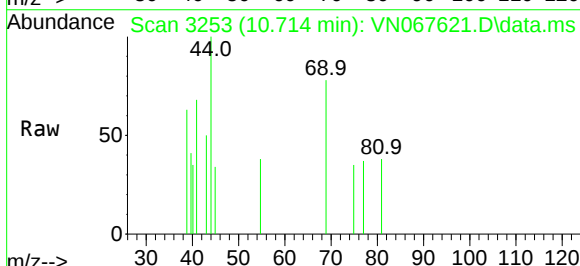
Instrument :
MSVOA_N
ClientSampleId :
WC-CROPSEY-SOLIDS

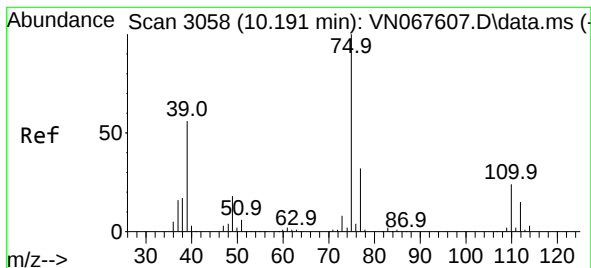
Tgt Ion: 43 Resp: 13941
Ion Ratio Lower Upper
43 100
58 39.4 28.6 43.0



#53
t-1,3-Dichloropropene
Concen: 1.725 ug/l
RT: 10.714 min Scan# 3253
Delta R.T. -0.008 min
Lab File: VN067621.D
Acq: 2 Jul 2021 17:04

Tgt Ion: 75 Resp: 51
Ion Ratio Lower Upper
75 100
77 0.0 25.1 37.7#

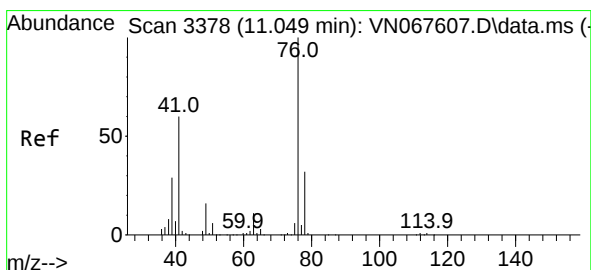
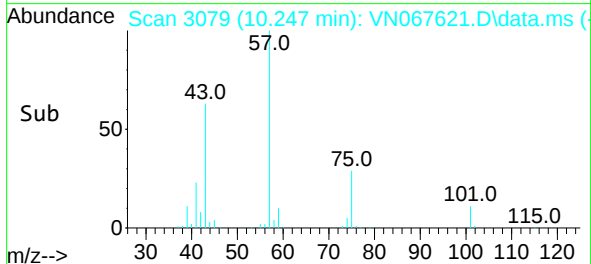
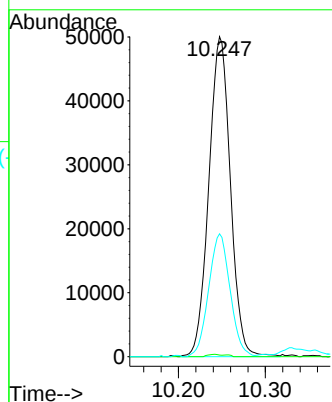
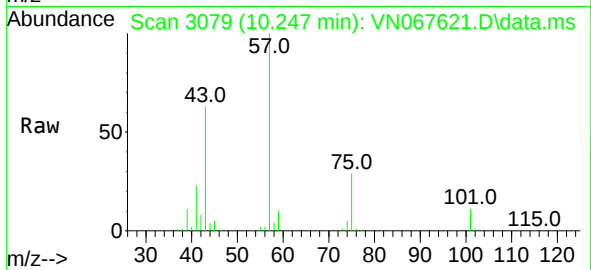




#54
cis-1,3-Dichloropropene
Concen: 11.122 ug/l
RT: 10.247 min Scan# 3079
Delta R.T. 0.056 min
Lab File: VN067621.D
Acq: 2 Jul 2021 17:04

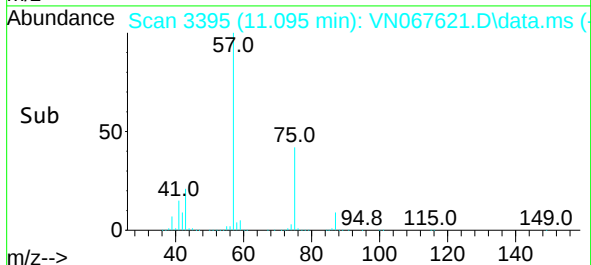
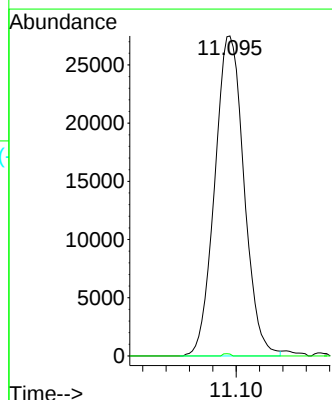
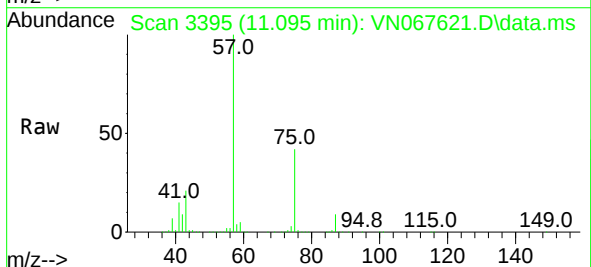
Instrument :
MSVOA_N
ClientSampleId :
WC-CROPSEY-SOLIDS

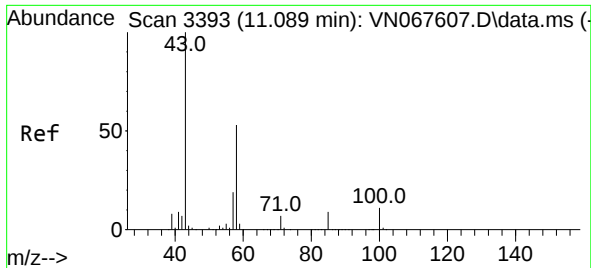
Tgt Ion: 75 Resp: 86239
Ion Ratio Lower Upper
75 100
77 0.5 24.6 37.0#
39 38.1 50.7 76.1#



#57
1,3-Dichloropropane
Concen: 5.747 ug/l
RT: 11.095 min Scan# 3395
Delta R.T. 0.046 min
Lab File: VN067621.D
Acq: 2 Jul 2021 17:04

Tgt Ion: 76 Resp: 47809
Ion Ratio Lower Upper
76 100
78 0.2 25.7 38.5#

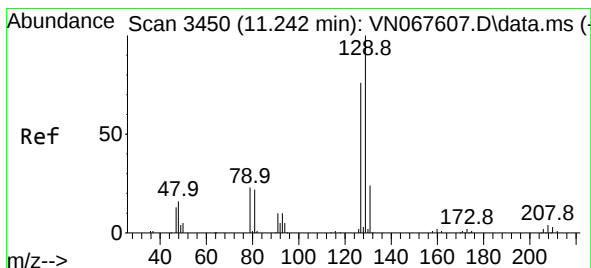
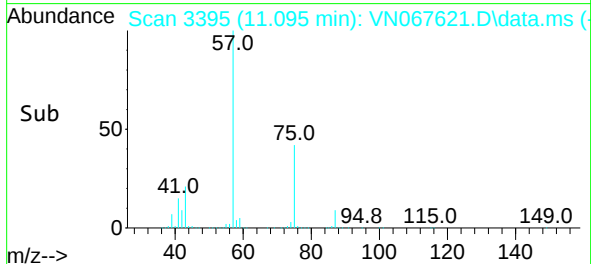
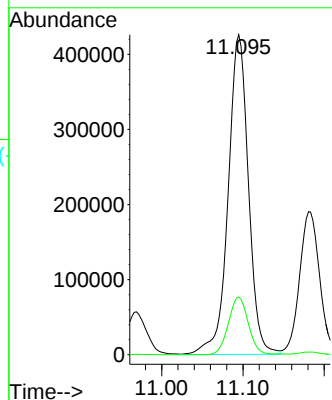
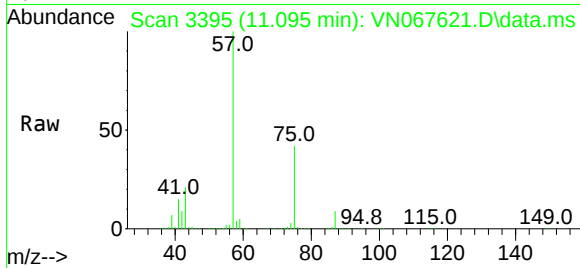




#59
2-Hexanone
Concen: 156.207 ug/l
RT: 11.095 min Scan# 3395
Delta R.T. 0.006 min
Lab File: VN067621.D
Acq: 2 Jul 2021 17:04

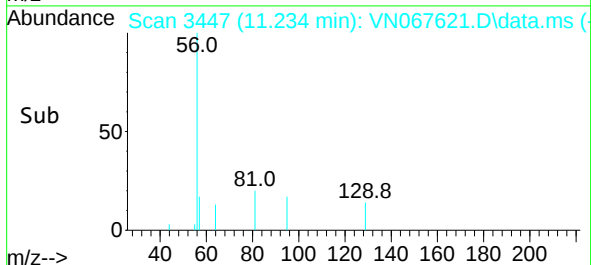
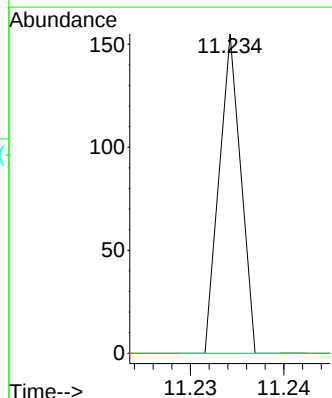
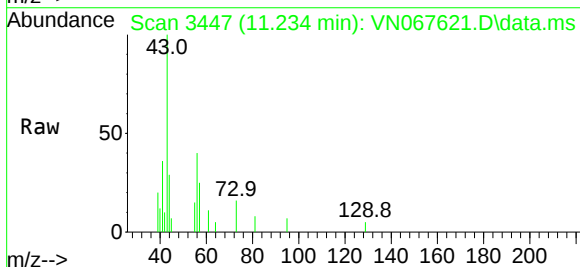
Instrument :
MSVOA_N
ClientSampleId :
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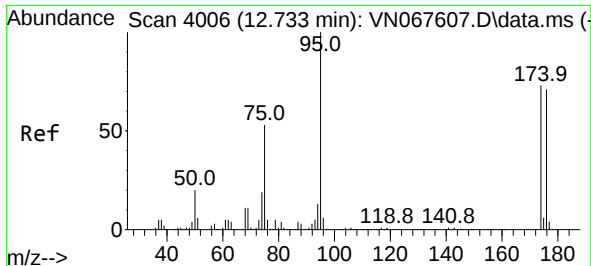
Tgt Ion: 43 Resp: 739963
Ion Ratio Lower Upper
43 100
58 17.8 24.7 74.1#



#60
Dibromochloromethane
Concen: 2.052 ug/l
RT: 11.234 min Scan# 3447
Delta R.T. -0.008 min
Lab File: VN067621.D
Acq: 2 Jul 2021 17:04

Tgt Ion: 129 Resp: 25
Ion Ratio Lower Upper
129 100
127 0.0 38.6 115.8#

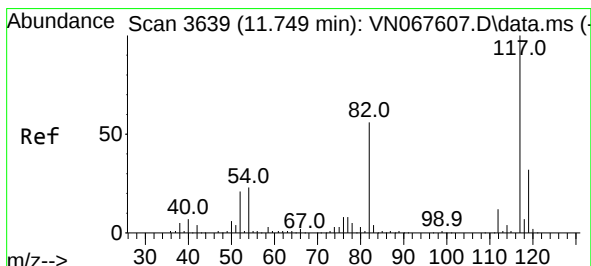
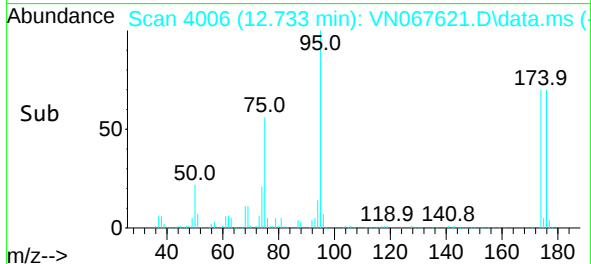
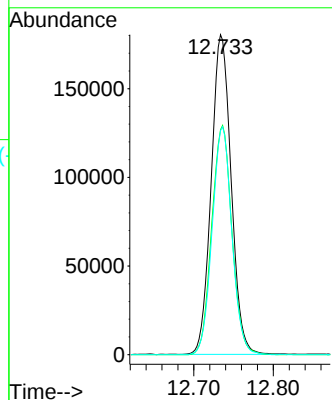
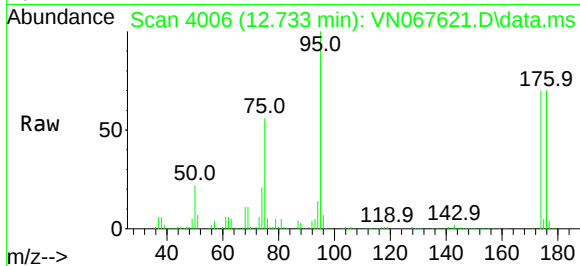




#62
4-Bromofluorobenzene
Concen: 48.094 ug/l
RT: 12.733 min Scan# 4006
Delta R.T. 0.000 min
Lab File: VN067621.D
Acq: 2 Jul 2021 17:04

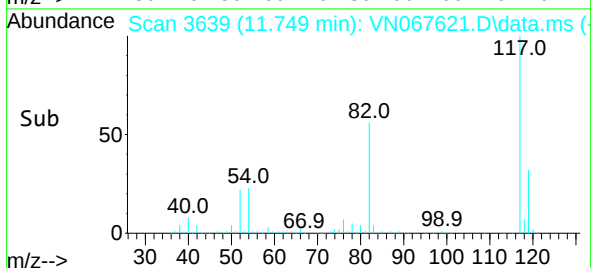
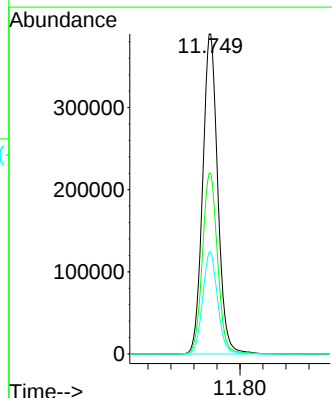
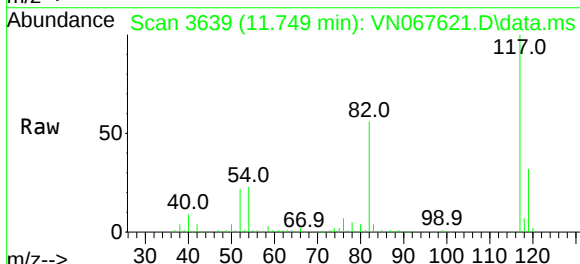
Instrument :
MSVOA_N
ClientSampleId :
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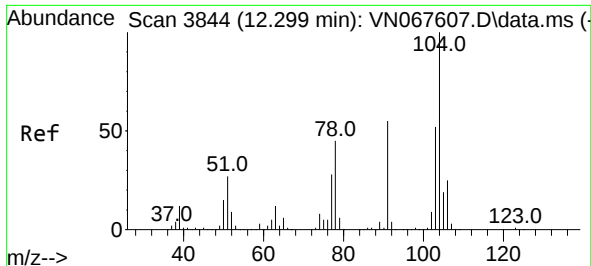
Tgt Ion: 95 Resp: 313614
Ion Ratio Lower Upper
95 100
174 72.6 0.0 122.0
176 70.5 0.0 117.6



#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 11.749 min Scan# 3639
Delta R.T. 0.000 min
Lab File: VN067621.D
Acq: 2 Jul 2021 17:04

Tgt Ion: 117 Resp: 708053
Ion Ratio Lower Upper
117 100
82 56.4 53.1 79.7
119 31.9 25.5 38.3

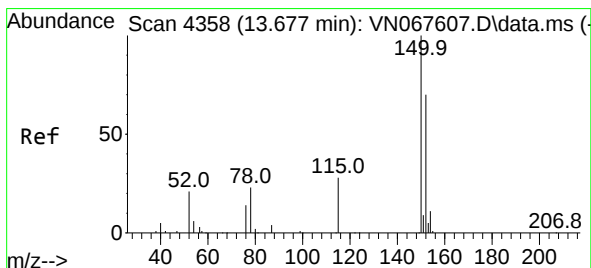
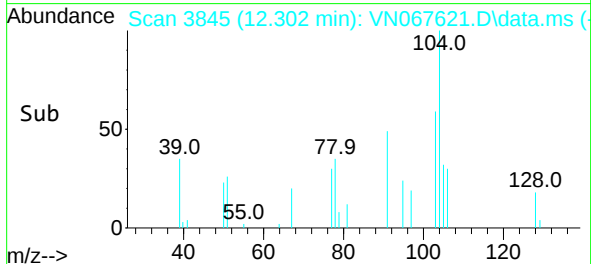
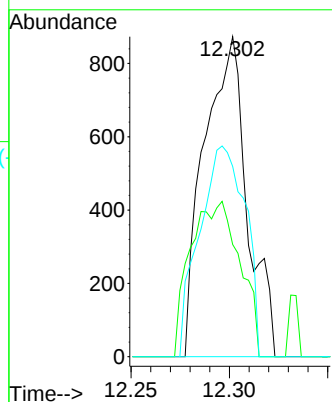
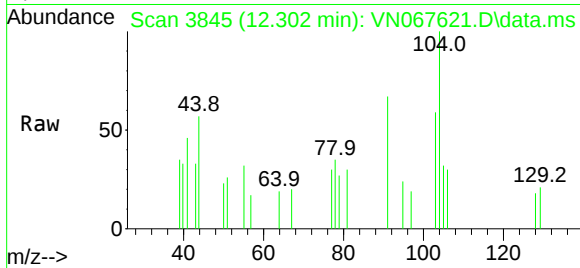




#70
Styrene
Concen: 1.416 ug/l
RT: 12.302 min Scan# 3845
Delta R.T. 0.003 min
Lab File: VN067621.D
Acq: 2 Jul 2021 17:04

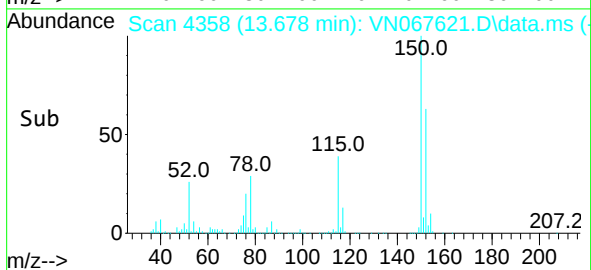
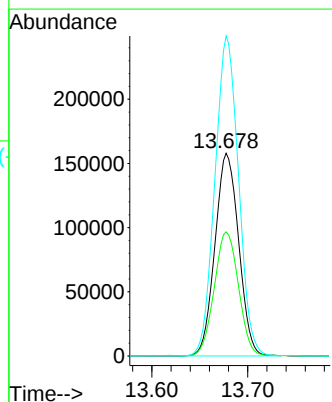
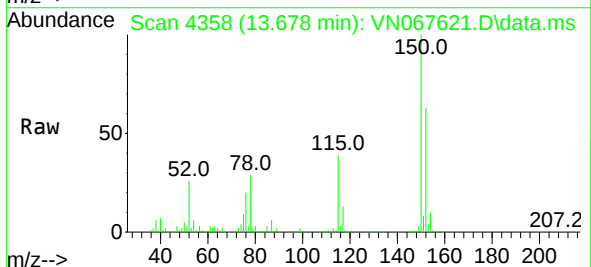
Instrument :
MSVOA_N
ClientSampleId :
WC-CROPSEY-SOLIDS

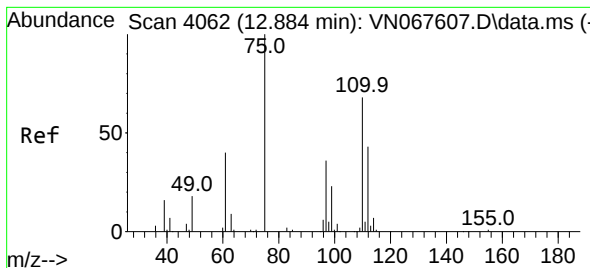
Tgt Ion:104 Resp: 1324
Ion Ratio Lower Upper
104 100
78 56.0 48.2 72.2
103 70.2 44.5 66.7#



#72
1,4-Dichlorobenzene-d4
Concen: 50.000 ug/l
RT: 13.678 min Scan# 4358
Delta R.T. 0.001 min
Lab File: VN067621.D
Acq: 2 Jul 2021 17:04

Tgt Ion:152 Resp: 271085
Ion Ratio Lower Upper
152 100
115 62.2 36.1 108.5
150 157.0 0.0 351.8

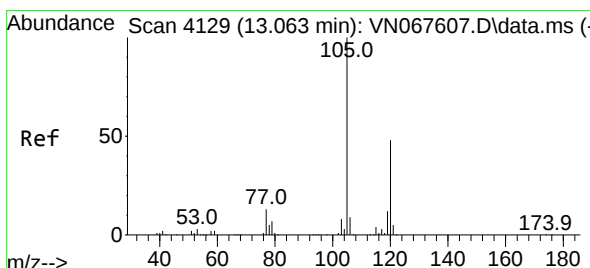
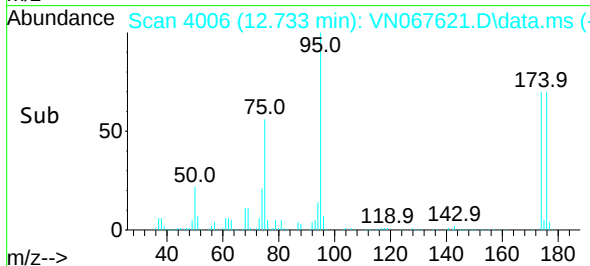
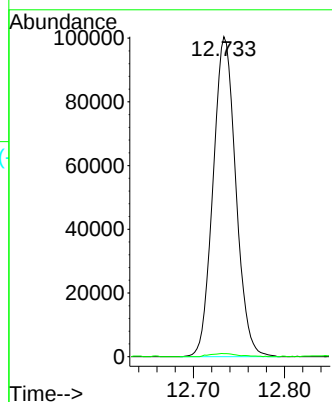
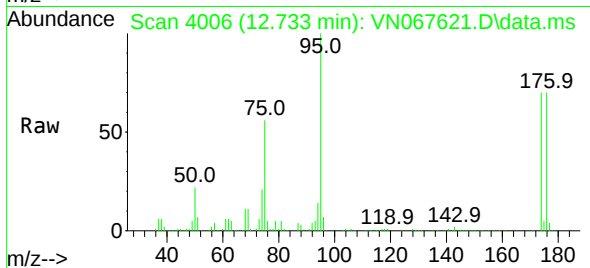




#76
1,2,3-Trichloropropane
Concen: 32.075 ug/l
RT: 12.733 min Scan# 4006
Delta R.T. -0.151 min
Lab File: VN067621.D
Acq: 2 Jul 2021 17:04

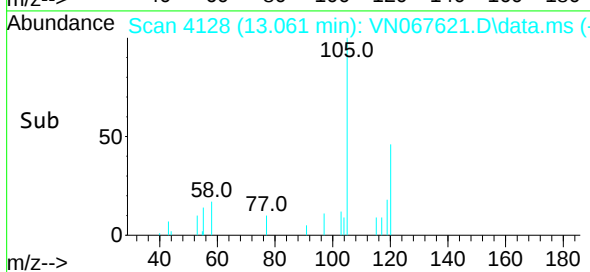
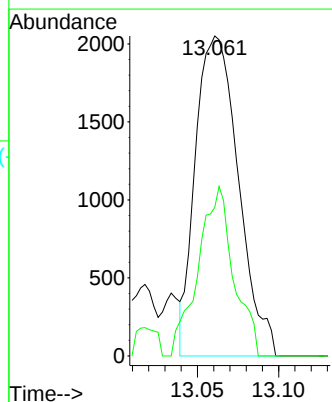
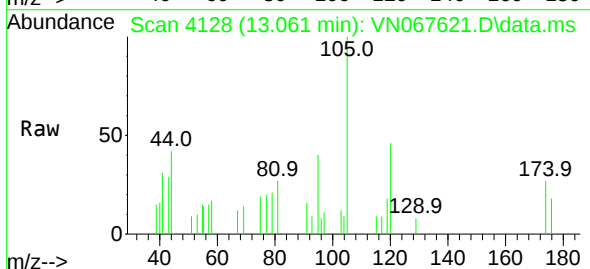
Instrument :
MSVOA_N
ClientSampleId :
WC-CROPSEY-SOLIDS

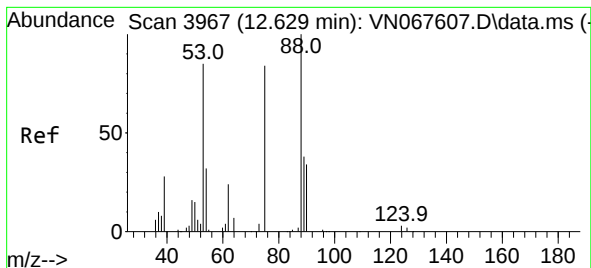
Tgt Ion: 75 Resp: 173898
Ion Ratio Lower Upper
75 100
77 1.3 0.0 0.0#



#80
1,3,5-Trimethylbenzene
Concen: 0.207 ug/l
RT: 13.061 min Scan# 4128
Delta R.T. -0.002 min
Lab File: VN067621.D
Acq: 2 Jul 2021 17:04

Tgt Ion:105 Resp: 3768
Ion Ratio Lower Upper
105 100
120 43.7 22.2 66.6

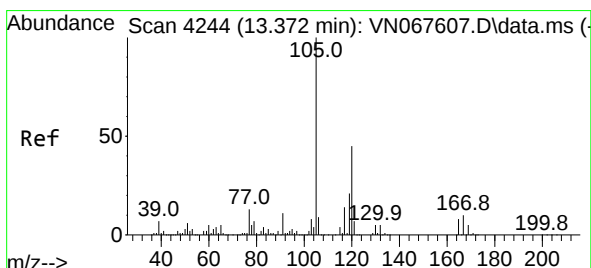
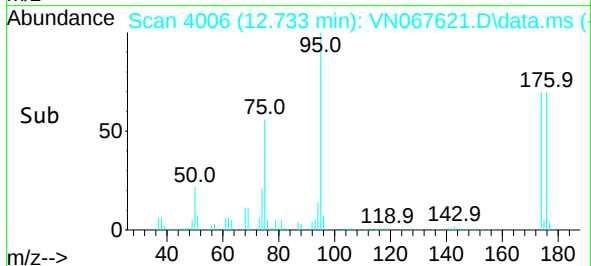
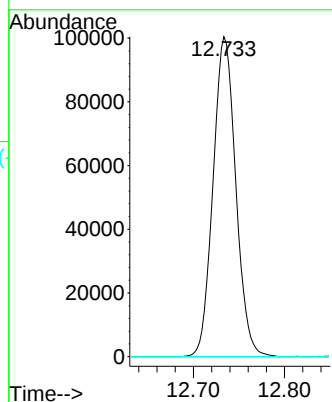
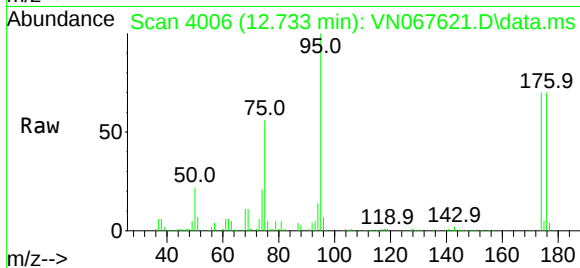




#81
 trans-1,4-Dichloro-2-butene
 Concen: 96.720 ug/l
 RT: 12.733 min Scan# 4006
 Delta R.T. 0.104 min
 Lab File: VN067621.D
 Acq: 2 Jul 2021 17:04

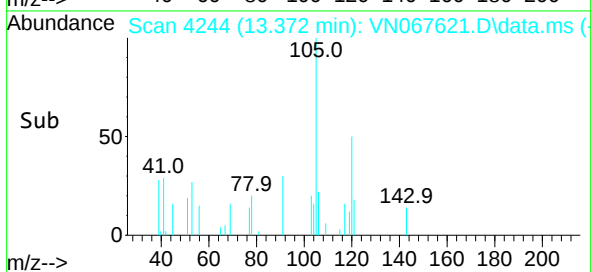
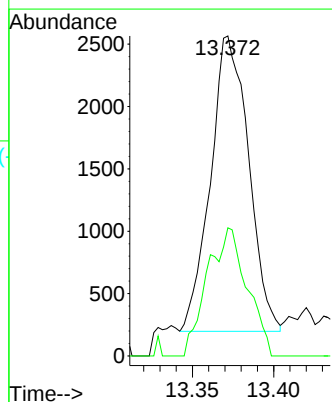
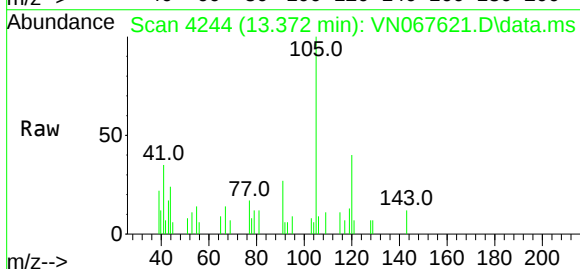
Instrument :
 MSVOA_N
 ClientSampleId :
 WC-CROPSEY-SOLIDS

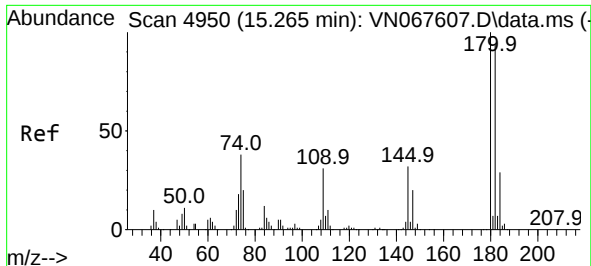
Tgt Ion: 75 Resp: 173898
 Ion Ratio Lower Upper
 75 100
 53 0.0 87.6 131.4#
 89 0.0 37.8 56.8#



#84
 1,2,4-Trimethylbenzene
 Concen: 0.217 ug/l
 RT: 13.372 min Scan# 4244
 Delta R.T. -0.000 min
 Lab File: VN067621.D
 Acq: 2 Jul 2021 17:04

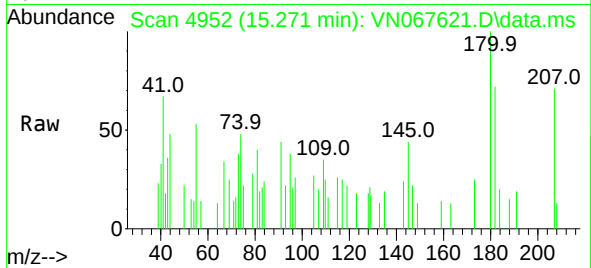
Tgt Ion:105 Resp: 3859
 Ion Ratio Lower Upper
 105 100
 120 45.3 20.6 61.8



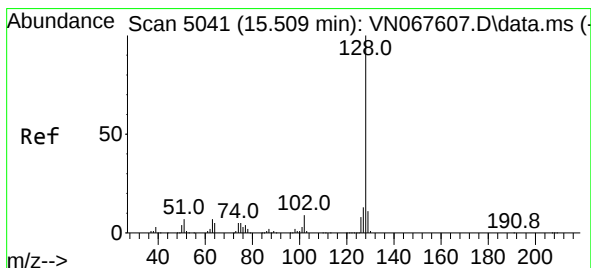
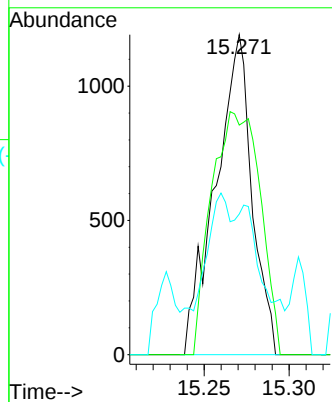
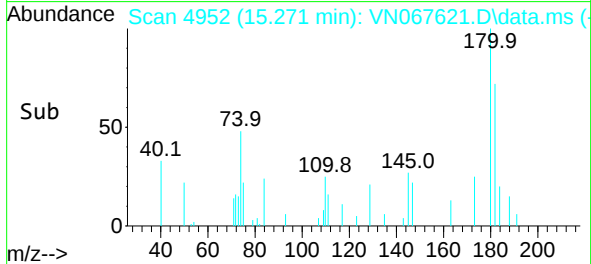


#93
1,2,4-Trichlorobenzene
Concen: 0.469 ug/l
RT: 15.271 min Scan# 4952
Delta R.T. 0.006 min
Lab File: VN067621.D
Acq: 2 Jul 2021 17:04

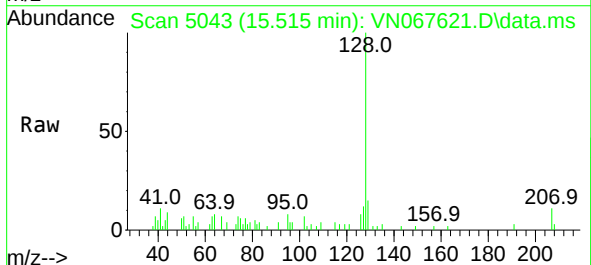
Instrument :
MSVOA_N
ClientSampleId :
WC-CROPSEY-SOLIDS



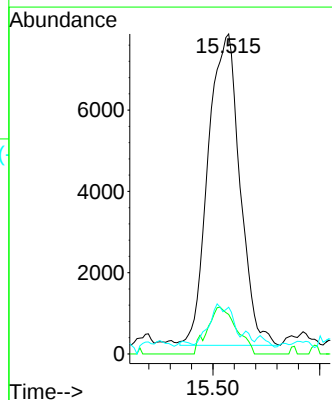
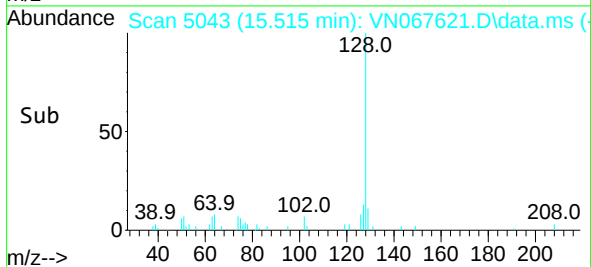
Tgt Ion:180 Resp: 1771
Ion Ratio Lower Upper
180 100
182 101.9 47.5 142.5
145 24.2 17.2 51.6

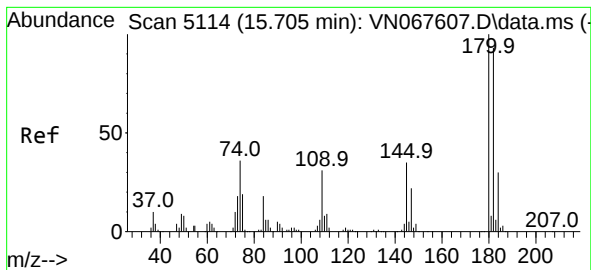


#95
Naphthalene
Concen: 5.674 ug/l
RT: 15.515 min Scan# 5043
Delta R.T. 0.006 min
Lab File: VN067621.D
Acq: 2 Jul 2021 17:04



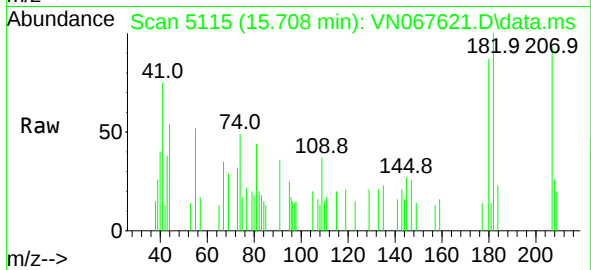
Tgt Ion:128 Resp: 15768
Ion Ratio Lower Upper
128 100
127 13.7 10.6 15.8
129 5.6 8.6 12.8#





#96
 1,2,3-Trichlorobenzene
 Concen: 0.599 ug/l
 RT: 15.708 min Scan# 5115
 Delta R.T. 0.003 min
 Lab File: VN067621.D
 Acq: 2 Jul 2021 17:04

Instrument :
 MSVOA_N
 ClientSampleId :
 WC-CROPSEY-SOLIDS



Tgt Ion:	180	Resp:	2090
Ion	Ratio	Lower	Upper
180	100		
182	103.4	47.8	143.3
145	32.0	18.2	54.6

