

Data Path : Z:\voasrv\HPCHEM1\MSVOA_N\Data\VN071522\
 Data File : VN073483.D
 Acq On : 15 Jul 2022 14:06
 Operator : JC\MD
 Sample : N3726-07
 Misc : 5.0mL/MSVOA_N/WATER
 ALS Vial : 11 Sample Multiplier: 1

Instrument :
 MSVOA_N
 ClientSampleId :
 TW-SEPTIC

Quant Time: Jul 16 04:13:32 2022
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA_N\methods\82N062822W.M
 Quant Title : SW846 8260
 QLast Update : Wed Jun 29 01:54:03 2022
 Response via : Initial Calibration

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

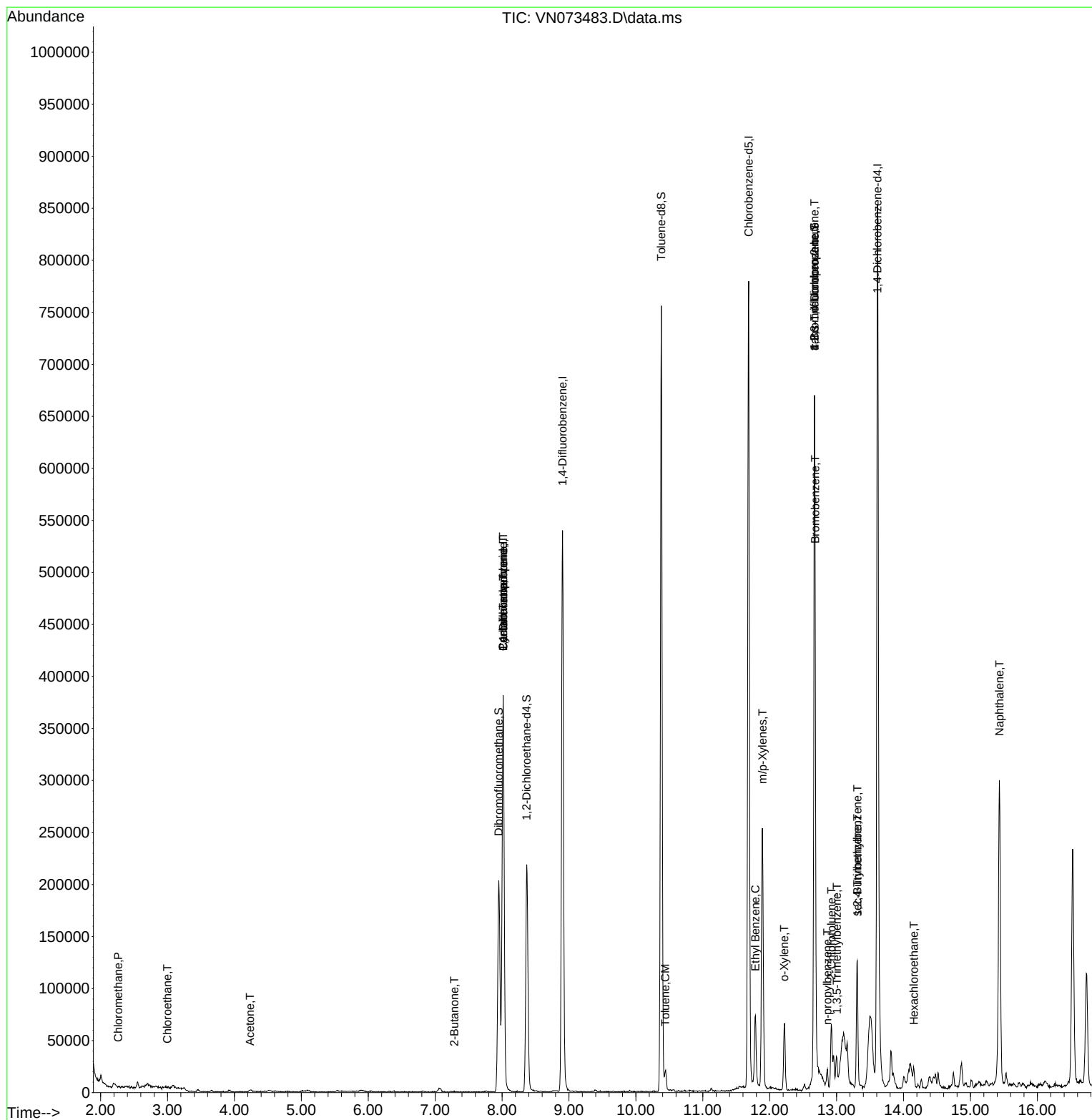
Internal Standards						
1) Pentafluorobenzene	8.016	168	276566	50.000	ug/l	0.00
34) 1,4-Difluorobenzene	8.904	114	465019	50.000	ug/l	0.00
63) Chlorobenzene-d5	11.686	117	439191	50.000	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.610	152	221329	50.000	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	8.369	65	184586	46.233	ug/l	0.00
Spiked Amount 50.000	Range 74 - 125		Recovery =	92.460%		
35) Dibromofluoromethane	7.951	113	147164	47.567	ug/l	0.00
Spiked Amount 50.000	Range 75 - 124		Recovery =	95.140%		
50) Toluene-d8	10.380	98	498592	45.375	ug/l	0.00
Spiked Amount 50.000	Range 86 - 113		Recovery =	90.740%		
62) 4-Bromofluorobenzene	12.668	95	221725	52.507	ug/l	0.00
Spiked Amount 50.000	Range 83 - 123		Recovery =	105.020%		
Target Compounds					Qvalue	
3) Chloromethane	2.263	50	831	0.212	ug/l	93
6) Chloroethane	2.998	64	1087	0.554	ug/l #	42
16) Acetone	4.234	43	3915	1.747	ug/l	100
25) 2-Butanone	7.286	43	980	0.275	ug/l #	45
31) Cyclohexane	8.016	56	7802	1.193	ug/l #	39
36) 1,1-Dichloropropene	8.016	75	23130	4.859	ug/l #	50
38) Carbon Tetrachloride	8.016	117	29395	5.971	ug/l #	16
52) Toluene	10.439	92	6762	0.745	ug/l	82
67) Ethyl Benzene	11.786	91	48175	2.672	ug/l	99
68) m/p-Xylenes	11.892	106	82136	12.069	ug/l	98
69) o-Xylene	12.215	106	18025	2.594	ug/l	99
76) 1,2,3-Trichloropropane	12.668	75	117234	20.257	ug/l #	1
77) Bromobenzene	12.680	156	21483	4.835	ug/l #	1
78) n-propylbenzene	12.863	91	13581	0.640	ug/l	97
79) 2-Chlorotoluene	12.921	91	7438	0.553	ug/l #	40
80) 1,3,5-Trimethylbenzene	13.004	105	13968	0.897	ug/l	100
81) trans-1,4-Dichloro-2-b...	12.668	75	117234	55.554	ug/l #	11
84) 1,2,4-Trimethylbenzene	13.310	105	70667	4.543	ug/l	98
85) sec-Butylbenzene	13.310	105	70667	3.768	ug/l #	56
90) Hexachloroethane	14.157	117	1884	0.667	ug/l #	9
95) Naphthalene	15.433	128	291181	17.070	ug/l	99

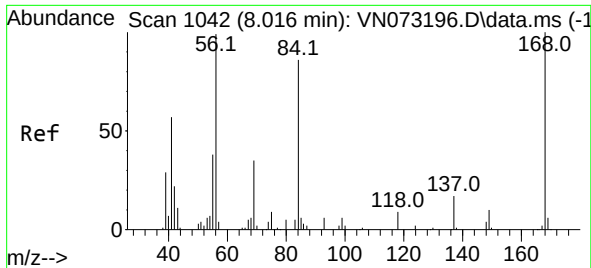
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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Quant Title : SW846 8260
QLast Update : Wed Jun 29 01:54:03 2022
Response via : Initial Calibration

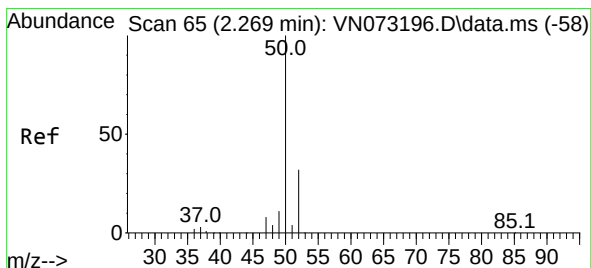
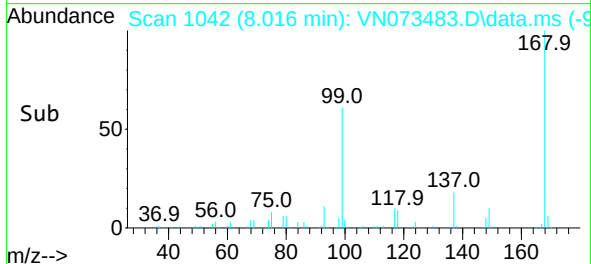
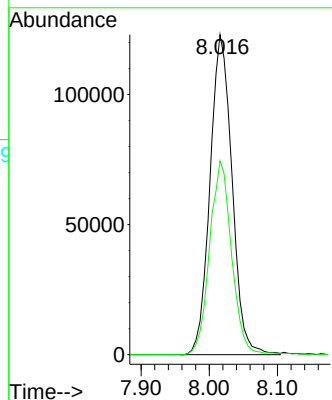
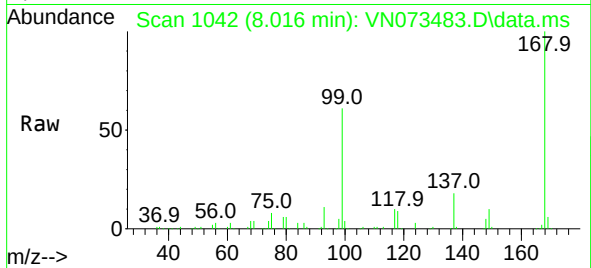




#1
Pentafluorobenzene
Concen: 50.000 ug/l
RT: 8.016 min Scan# 1042
Delta R.T. -0.000 min
Lab File: VN073483.D
Acq: 15 Jul 2022 14:06

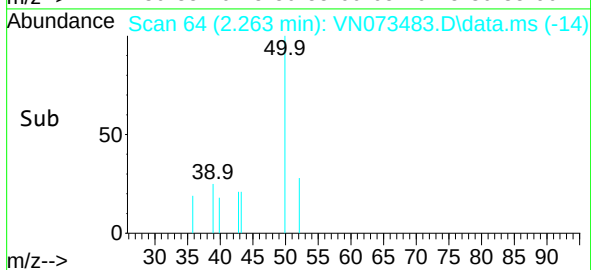
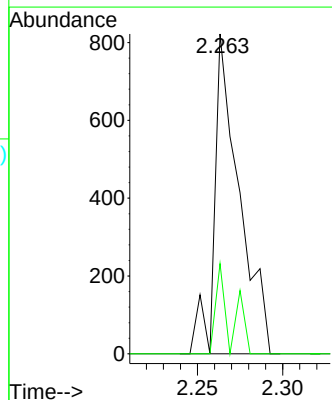
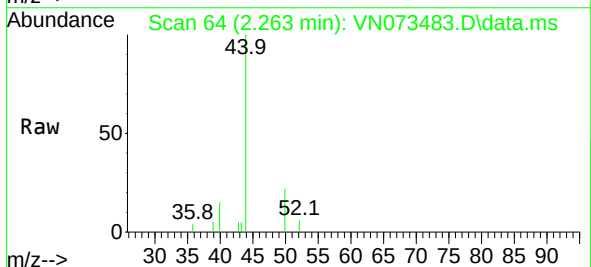
Instrument :
MSVOA_N
ClientSampleId :
TW-SEPTIC

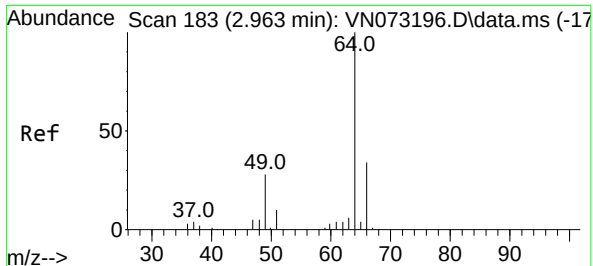
Tgt Ion:168 Resp: 276566
Ion Ratio Lower Upper
168 100
99 60.6 42.3 63.5



#3
Chloromethane
Concen: 0.212 ug/l
RT: 2.263 min Scan# 64
Delta R.T. -0.006 min
Lab File: VN073483.D
Acq: 15 Jul 2022 14:06

Tgt Ion: 50 Resp: 831
Ion Ratio Lower Upper
50 100
52 28.2 25.7 38.5

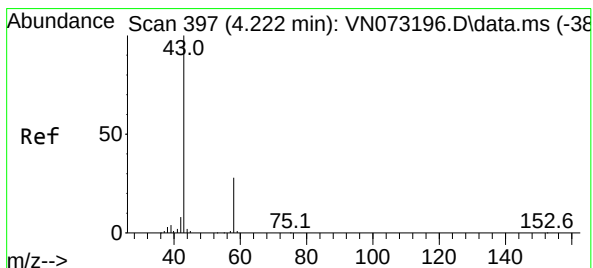
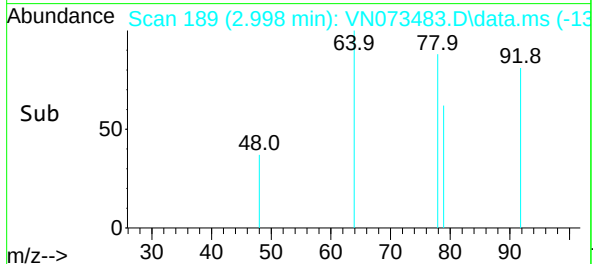
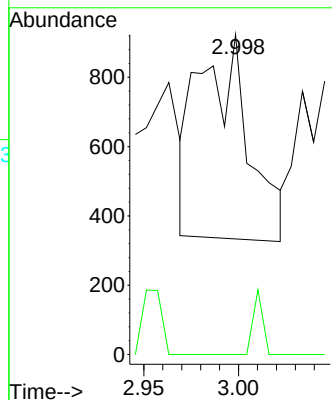
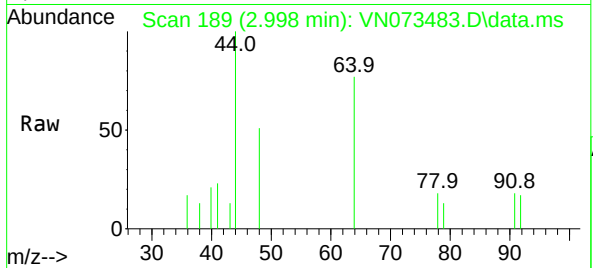




#6
Chloroethane
Concen: 0.554 ug/l
RT: 2.998 min Scan# 189
Delta R.T. 0.035 min
Lab File: VN073483.D
Acq: 15 Jul 2022 14:06

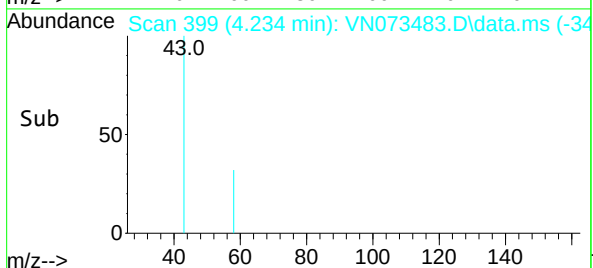
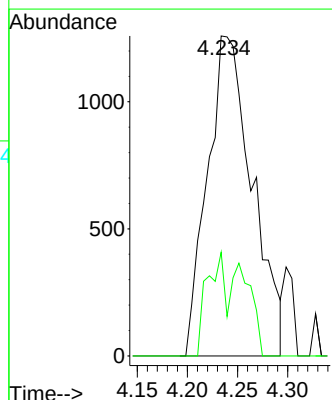
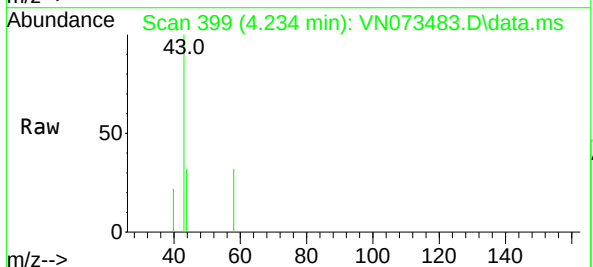
Instrument :
MSVOA_N
ClientSampleId :
TW-SEPTIC

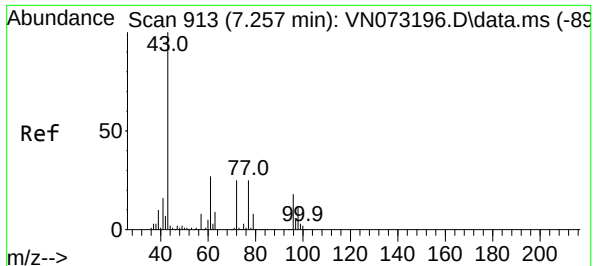
Tgt Ion: 64 Resp: 1087
Ion Ratio Lower Upper
64 100
66 0.0 26.2 39.4#



#16
Acetone
Concen: 1.747 ug/l
RT: 4.234 min Scan# 399
Delta R.T. 0.012 min
Lab File: VN073483.D
Acq: 15 Jul 2022 14:06

Tgt Ion: 43 Resp: 3915
Ion Ratio Lower Upper
43 100
58 32.4 26.0 39.0





#25

2-Butanone

Concen: 0.275 ug/l

RT: 7.286 min Scan# 91

Delta R.T. 0.029 min

Lab File: VN073483.D

Acq: 15 Jul 2022 14:06

Instrument :

MSVOA_N

ClientSampleId :

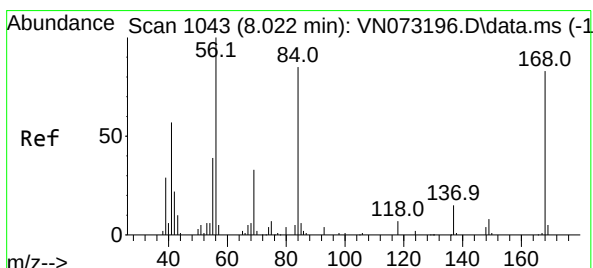
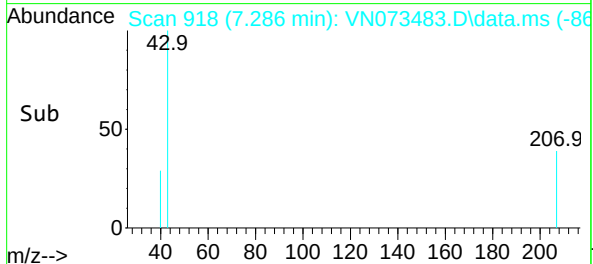
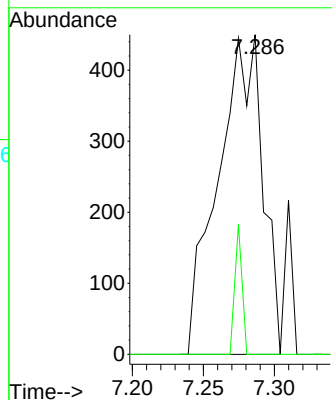
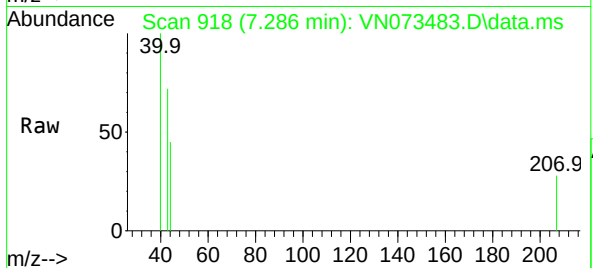
TW-SEPTIC

Tgt Ion: 43 Resp: 980

Ion Ratio Lower Upper

43 100

72 0.0 23.7 35.5#



#31

Cyclohexane

Concen: 1.193 ug/l

RT: 8.016 min Scan# 1042

Delta R.T. -0.006 min

Lab File: VN073483.D

Acq: 15 Jul 2022 14:06

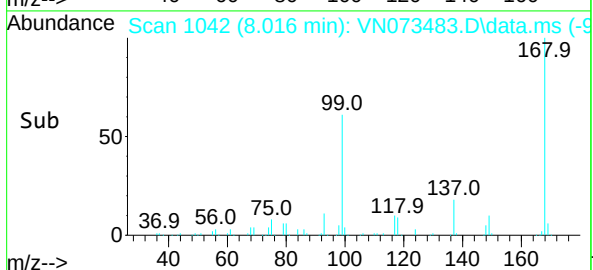
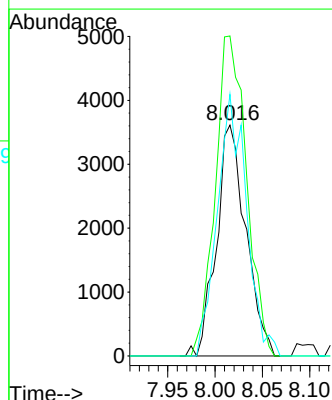
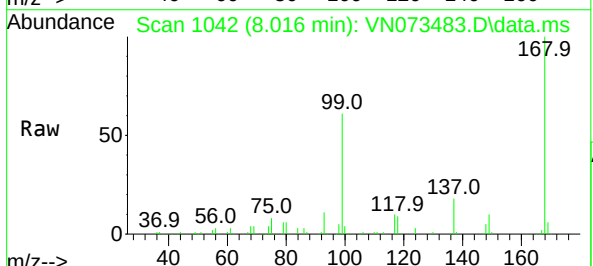
Tgt Ion: 56 Resp: 7802

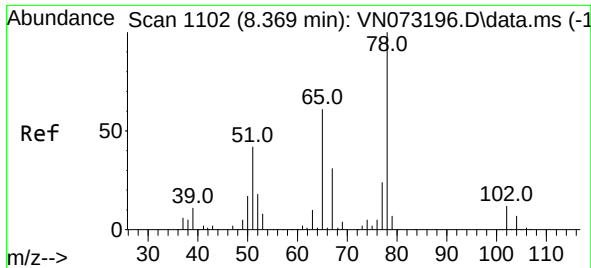
Ion Ratio Lower Upper

56 100

69 138.6 27.8 41.8#

84 113.3 76.9 115.3

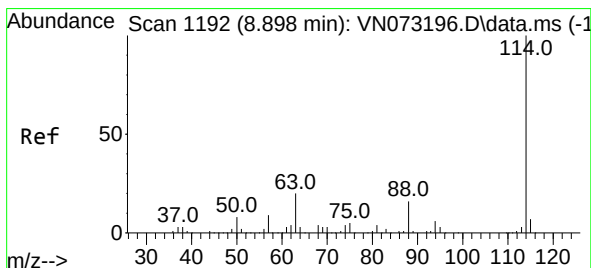
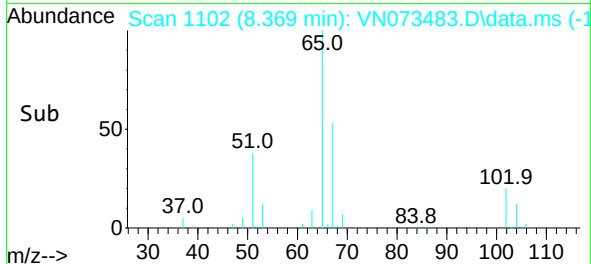
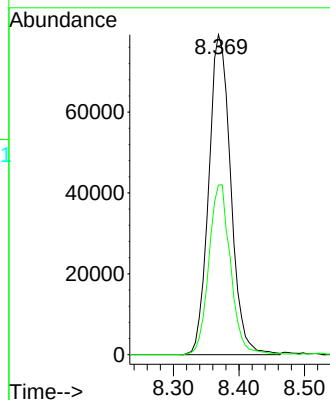
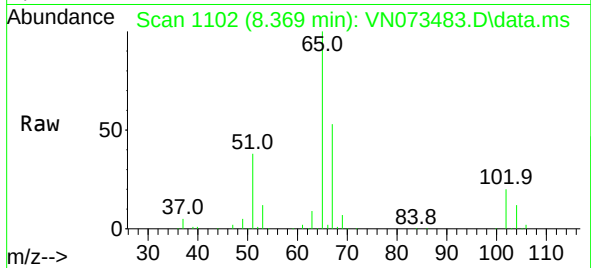




#33
1,2-Dichloroethane-d4
Concen: 46.233 ug/l
RT: 8.369 min Scan# 1102
Delta R.T. -0.000 min
Lab File: VN073483.D
Acq: 15 Jul 2022 14:06

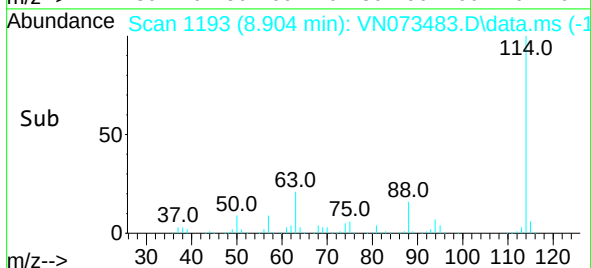
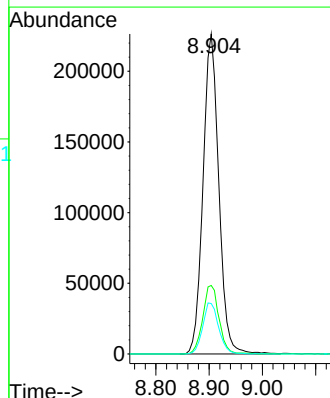
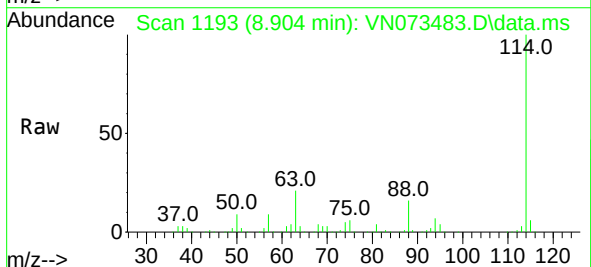
Instrument :
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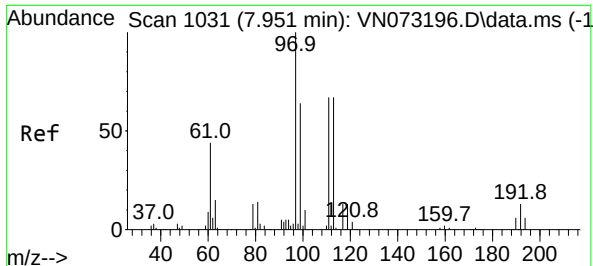
Tgt Ion: 65 Resp: 184586
Ion Ratio Lower Upper
65 100
67 52.5 0.0 104.8



#34
1,4-Difluorobenzene
Concen: 50.000 ug/l
RT: 8.904 min Scan# 1193
Delta R.T. 0.006 min
Lab File: VN073483.D
Acq: 15 Jul 2022 14:06

Tgt Ion: 114 Resp: 465019
Ion Ratio Lower Upper
114 100
63 21.4 0.0 40.0
88 15.7 0.0 32.6





#35

Dibromofluoromethane

Concen: 47.567 ug/l

RT: 7.951 min Scan# 1031

Delta R.T. 0.000 min

Lab File: VN073483.D

Acq: 15 Jul 2022 14:06

Instrument :

MSVOA_N

ClientSampleId :

TW-SEPTIC

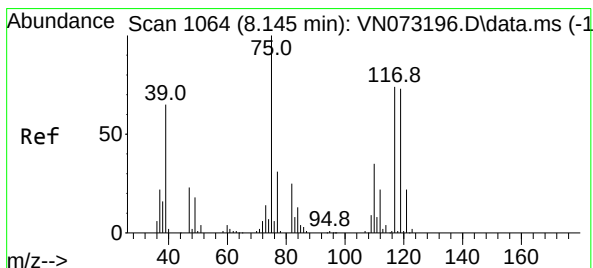
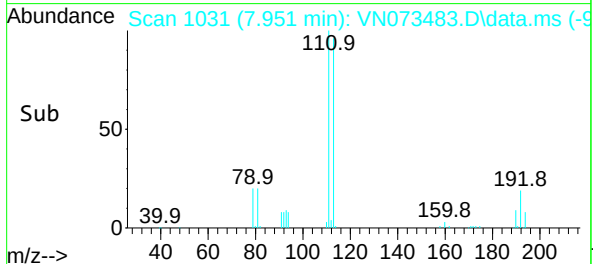
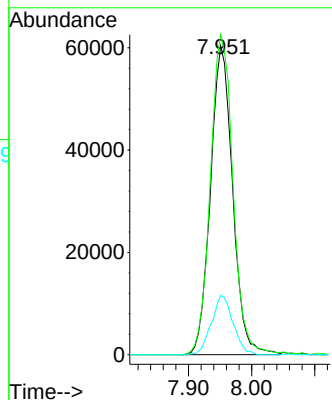
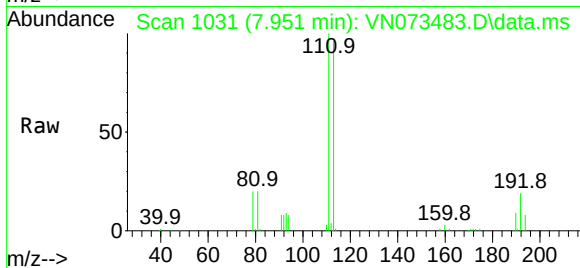
Tgt Ion:113 Resp: 147164

Ion Ratio Lower Upper

113 100

111 106.1 81.4 122.0

192 18.7 17.0 25.6



#36

1,1-Dichloropropene

Concen: 4.859 ug/l

RT: 8.016 min Scan# 1042

Delta R.T. -0.129 min

Lab File: VN073483.D

Acq: 15 Jul 2022 14:06

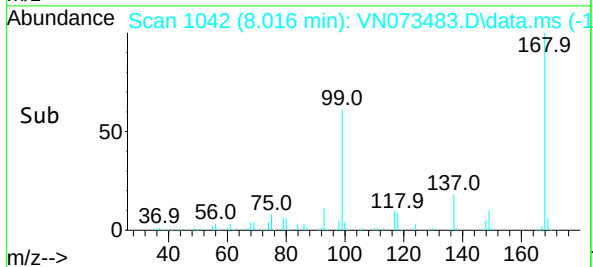
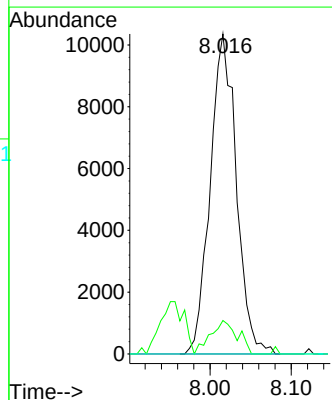
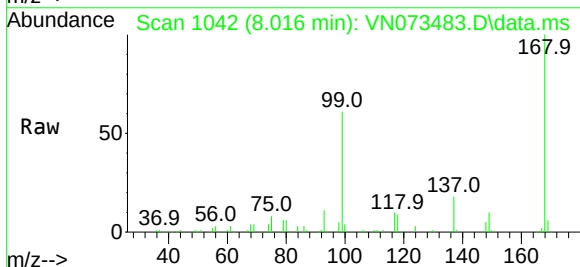
Tgt Ion: 75 Resp: 23130

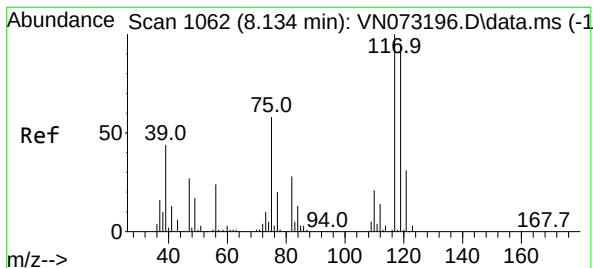
Ion Ratio Lower Upper

75 100

110 10.8 18.3 54.8#

77 0.0 25.1 37.7#





#38

Carbon Tetrachloride

Concen: 5.971 ug/l

RT: 8.016 min Scan# 1

Delta R.T. -0.118 min

Lab File: VN073483.D

Acq: 15 Jul 2022 14:06

Instrument :

MSVOA_N

ClientSampleId :

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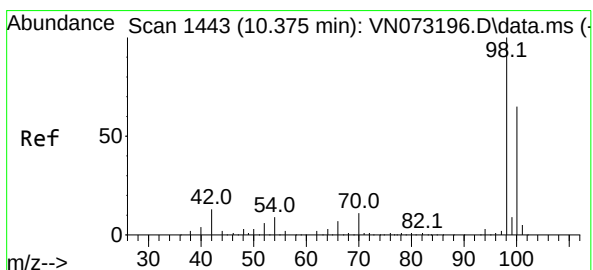
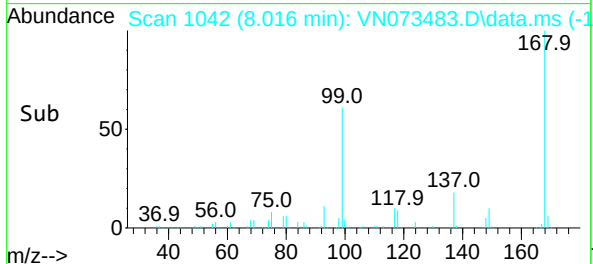
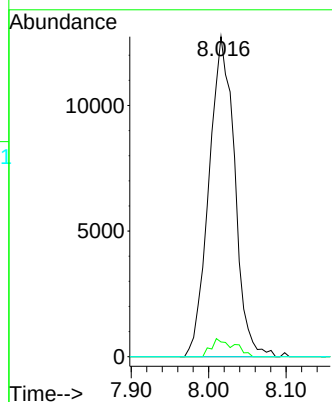
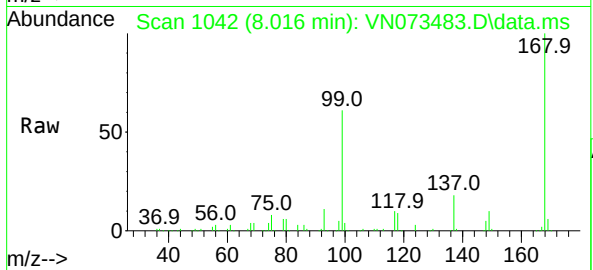
Tgt Ion:117 Resp: 29395

Ion Ratio Lower Upper

117 100

119 4.6 75.8 113.8#

121 0.0 24.6 37.0#



#50

Toluene-d8

Concen: 45.375 ug/l

RT: 10.380 min Scan# 1444

Delta R.T. 0.005 min

Lab File: VN073483.D

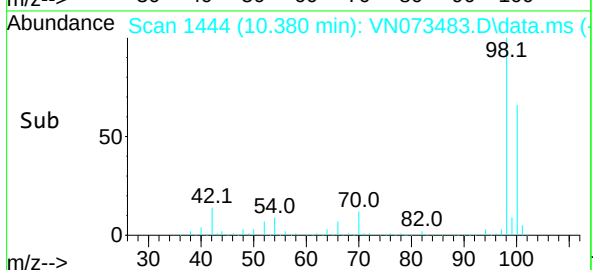
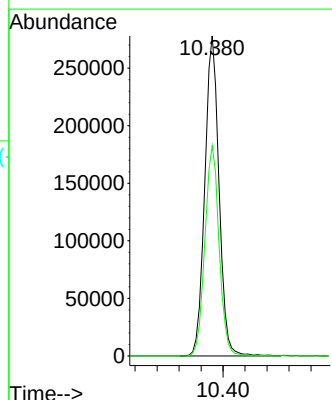
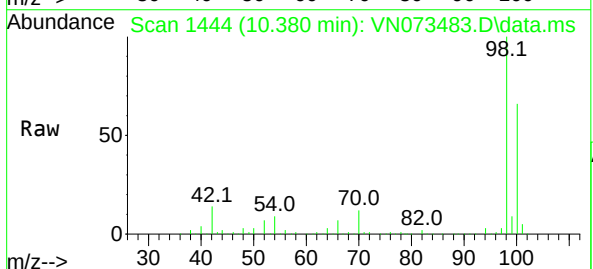
Acq: 15 Jul 2022 14:06

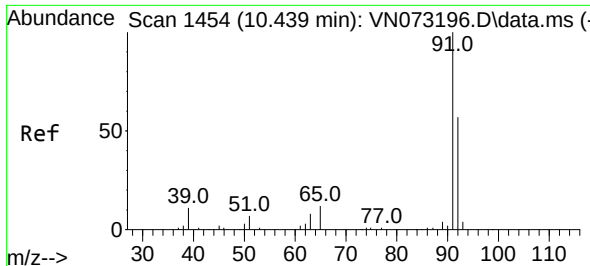
Tgt Ion: 98 Resp: 498592

Ion Ratio Lower Upper

98 100

100 65.9 52.6 78.8

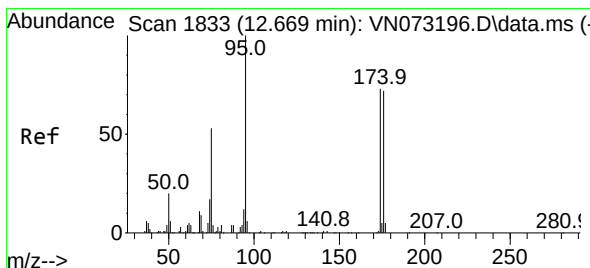
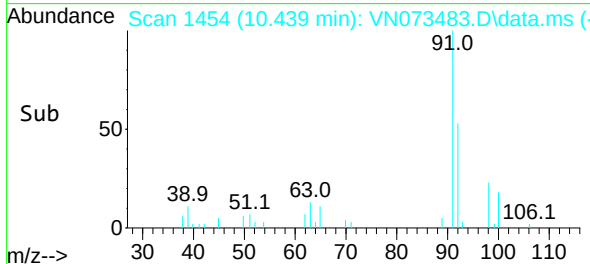
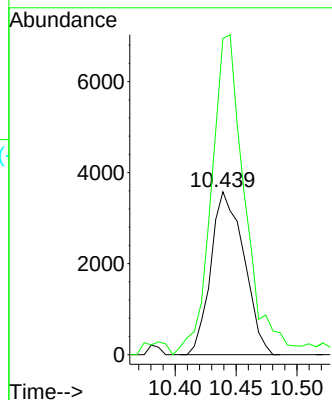
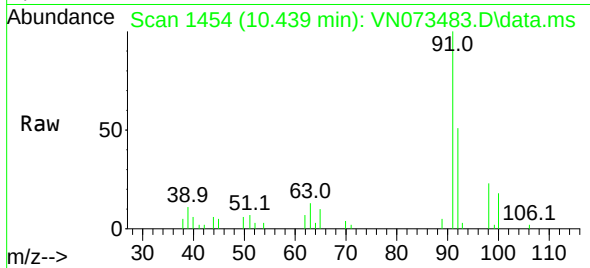




#52
Toluene
Concen: 0.745 ug/l
RT: 10.439 min Scan# 1454
Delta R.T. 0.000 min
Lab File: VN073483.D
Acq: 15 Jul 2022 14:06

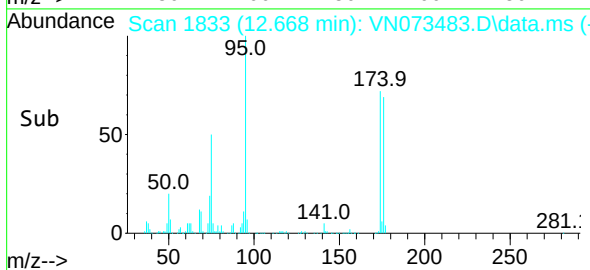
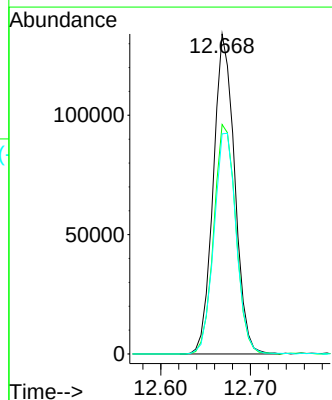
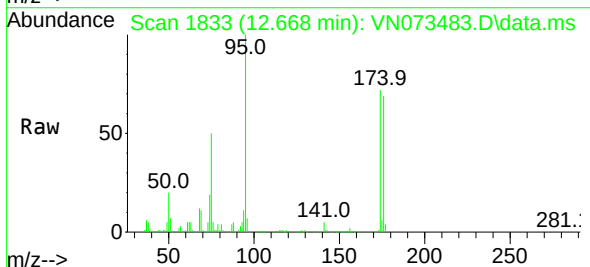
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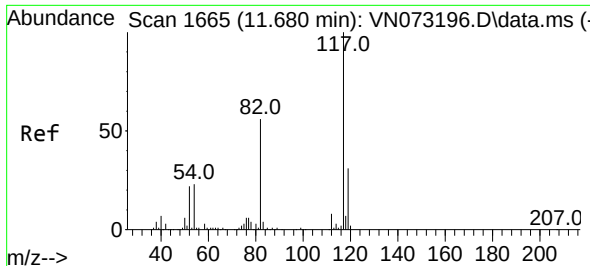
Tgt Ion: 92 Resp: 6762
Ion Ratio Lower Upper
92 100
91 198.7 138.6 207.8



#62
4-Bromofluorobenzene
Concen: 52.507 ug/l
RT: 12.668 min Scan# 1833
Delta R.T. -0.001 min
Lab File: VN073483.D
Acq: 15 Jul 2022 14:06

Tgt Ion: 95 Resp: 221725
Ion Ratio Lower Upper
95 100
174 73.9 0.0 167.6
176 72.0 0.0 163.4

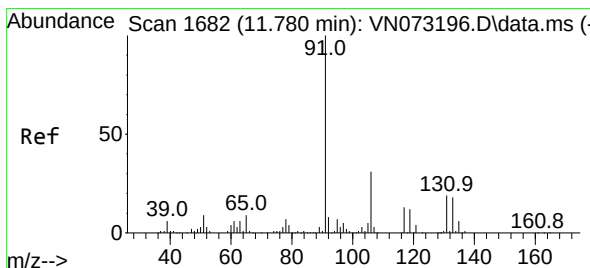
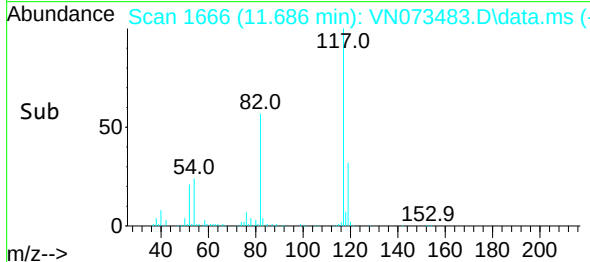
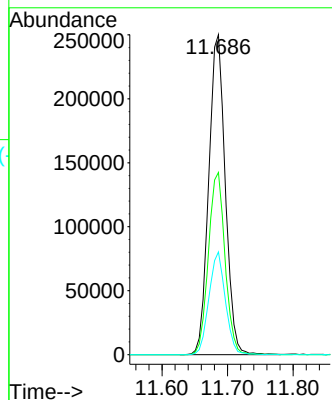
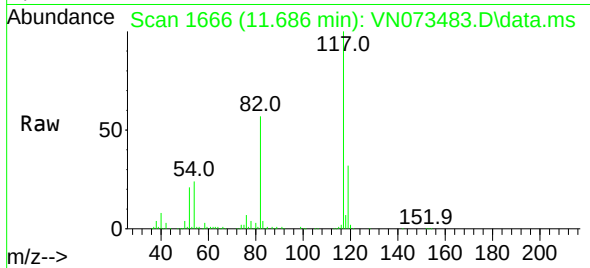




#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 11.686 min Scan# 1666
Delta R.T. 0.006 min
Lab File: VN073483.D
Acq: 15 Jul 2022 14:06

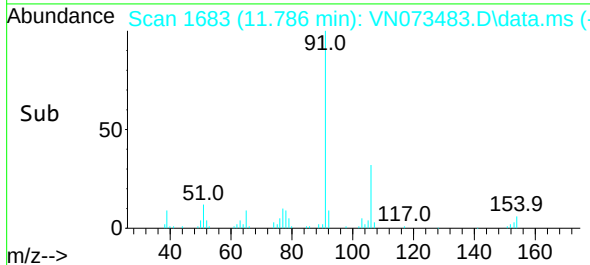
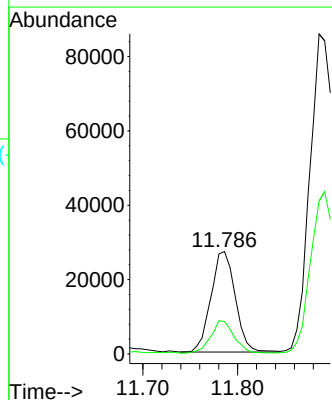
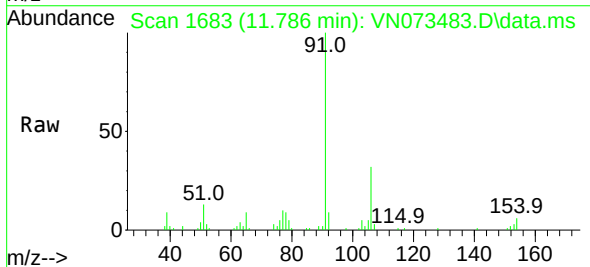
Instrument :
MSVOA_N
ClientSampleId :
TW-SEPTIC

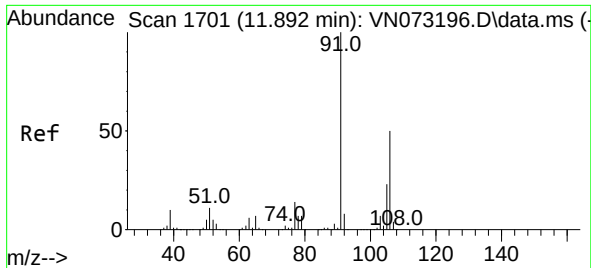
Tgt Ion:117 Resp: 439191
Ion Ratio Lower Upper
117 100
82 57.0 44.2 66.2
119 32.1 25.4 38.0



#67
Ethyl Benzene
Concen: 2.672 ug/l
RT: 11.786 min Scan# 1683
Delta R.T. 0.006 min
Lab File: VN073483.D
Acq: 15 Jul 2022 14:06

Tgt Ion: 91 Resp: 48175
Ion Ratio Lower Upper
91 100
106 31.4 24.9 37.3

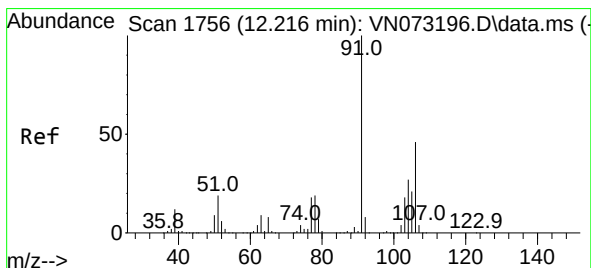
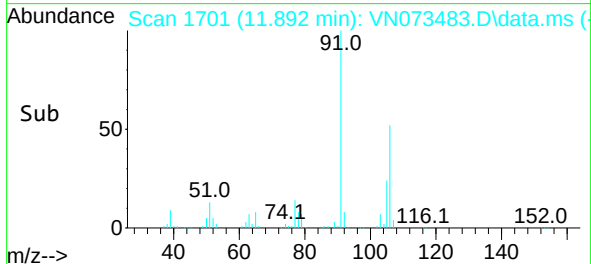
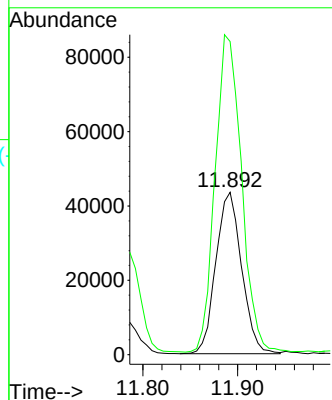
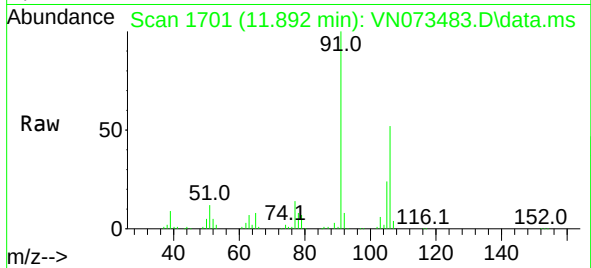




#68
m/p-Xylenes
Concen: 12.069 ug/l
RT: 11.892 min Scan# 1701
Delta R.T. -0.000 min
Lab File: VN073483.D
Acq: 15 Jul 2022 14:06

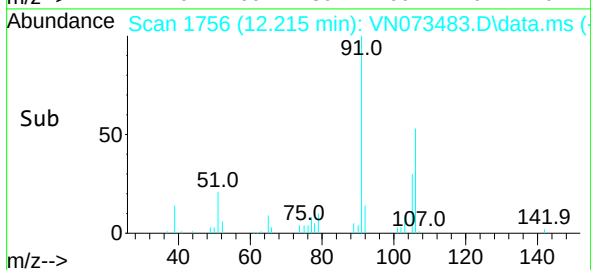
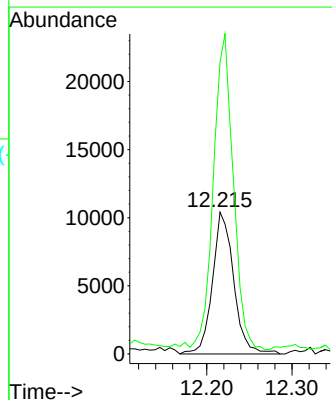
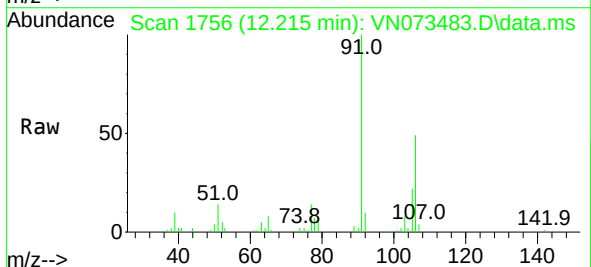
Instrument :
MSVOA_N
ClientSampleId :
TW-SEPTIC

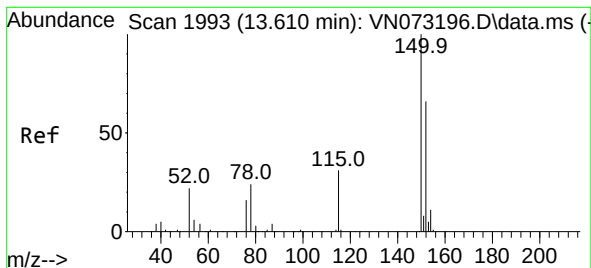
Tgt Ion:106 Resp: 82136
Ion Ratio Lower Upper
106 100
91 201.1 158.9 238.3



#69
o-Xylene
Concen: 2.594 ug/l
RT: 12.215 min Scan# 1756
Delta R.T. -0.001 min
Lab File: VN073483.D
Acq: 15 Jul 2022 14:06

Tgt Ion:106 Resp: 18025
Ion Ratio Lower Upper
106 100
91 211.2 106.0 318.0





#72

1,4-Dichlorobenzene-d4

Concen: 50.000 ug/l

RT: 13.610 min Scan# 1993

Delta R.T. -0.000 min

Lab File: VN073483.D

Acq: 15 Jul 2022 14:06

Instrument :

MSVOA_N

ClientSampleId :

TW-SEPTIC

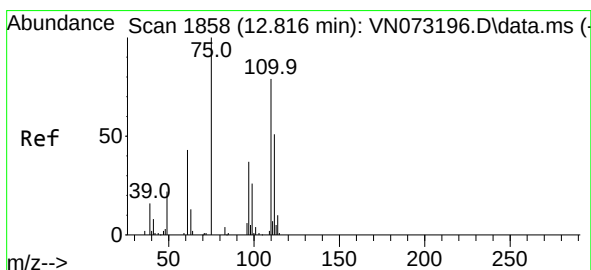
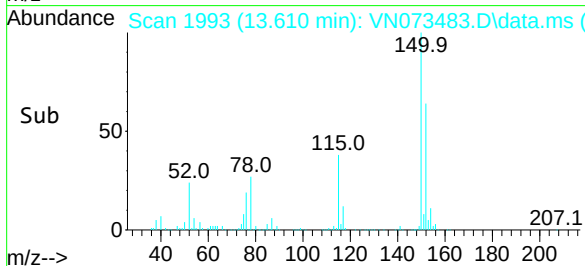
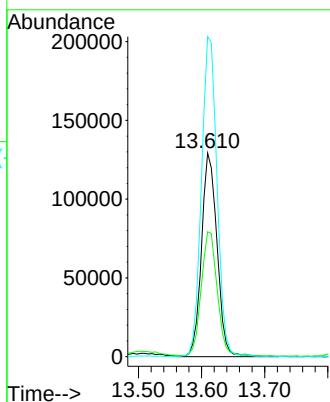
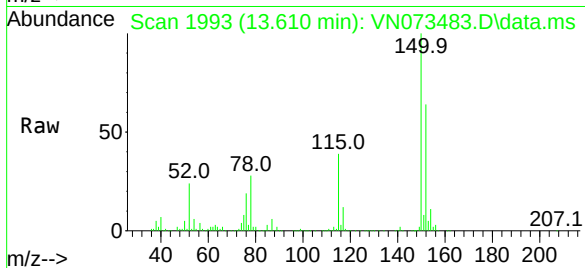
Tgt Ion:152 Resp: 221329

Ion Ratio Lower Upper

152 100

115 63.2 28.9 86.7

150 157.5 0.0 356.2



#76

1,2,3-Trichloropropane

Concen: 20.257 ug/l

RT: 12.668 min Scan# 1833

Delta R.T. -0.148 min

Lab File: VN073483.D

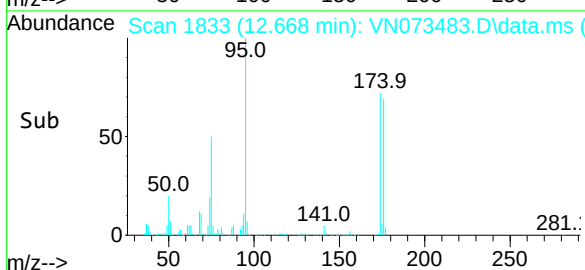
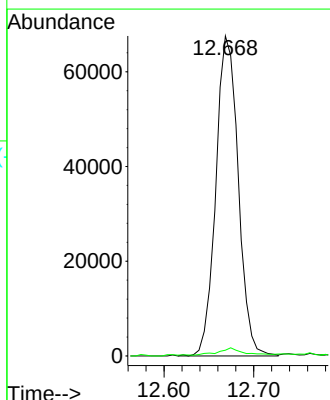
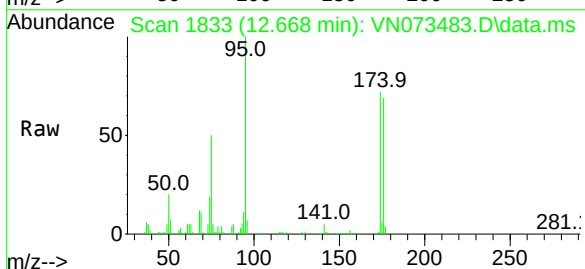
Acq: 15 Jul 2022 14:06

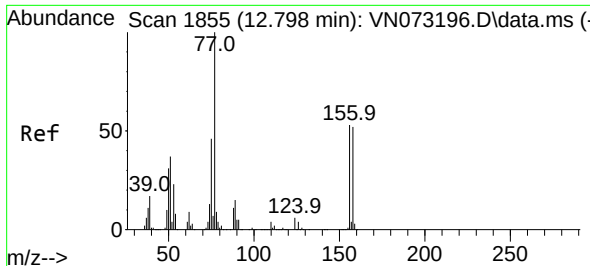
Tgt Ion: 75 Resp: 117234

Ion Ratio Lower Upper

75 100

77 2.5 98.5 295.5#

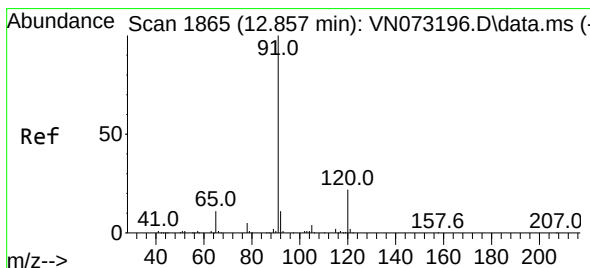
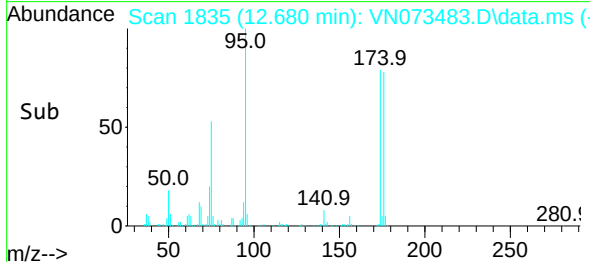
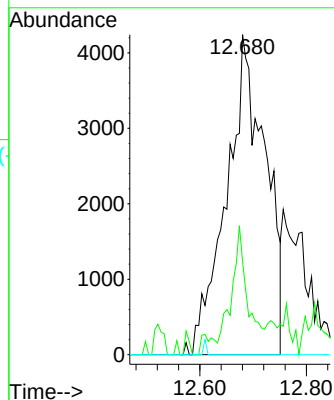
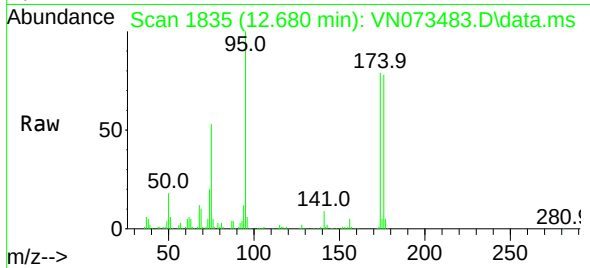




#77
Bromobenzene
Concen: 4.835 ug/l
RT: 12.680 min Scan# 1835
Delta R.T. -0.118 min
Lab File: VN073483.D
Acq: 15 Jul 2022 14:06

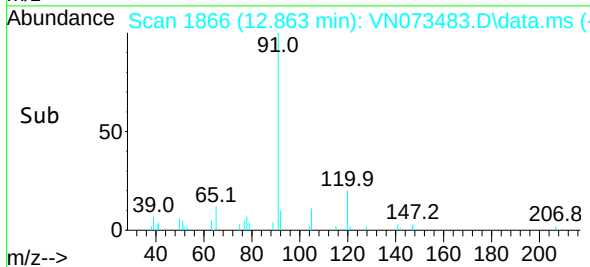
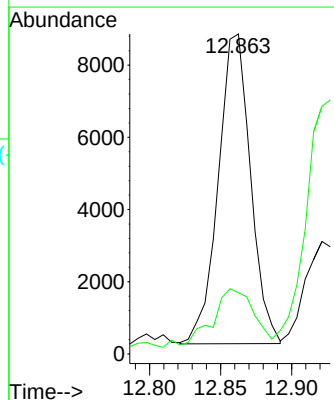
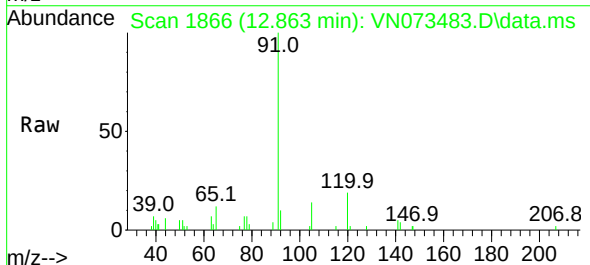
Instrument :
MSVOA_N
ClientSampleId :
TW-SEPTIC

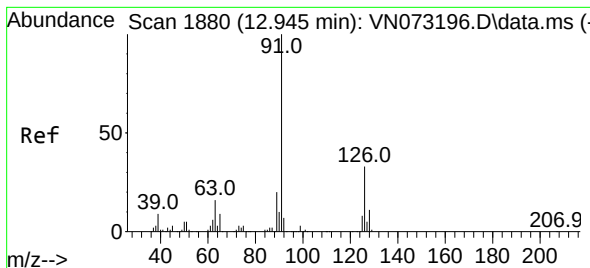
Tgt Ion:156 Resp: 21483
Ion Ratio Lower Upper
156 100
77 14.2 100.5 301.5#
158 0.0 48.9 146.6#



#78
n-propylbenzene
Concen: 0.640 ug/l
RT: 12.863 min Scan# 1866
Delta R.T. 0.006 min
Lab File: VN073483.D
Acq: 15 Jul 2022 14:06

Tgt Ion: 91 Resp: 13581
Ion Ratio Lower Upper
91 100
120 25.0 11.9 35.5





#79

2-Chlorotoluene

Concen: 0.553 ug/l

RT: 12.921 min Scan# 1876

Delta R.T. -0.024 min

Lab File: VN073483.D

Acq: 15 Jul 2022 14:06

Instrument :

MSVOA_N

ClientSampleId :

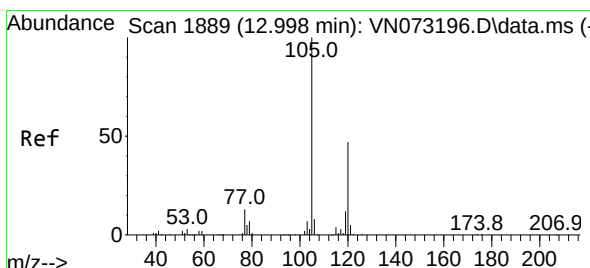
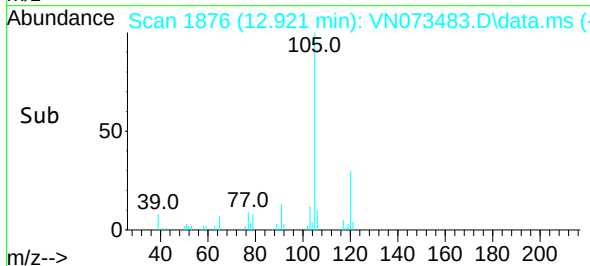
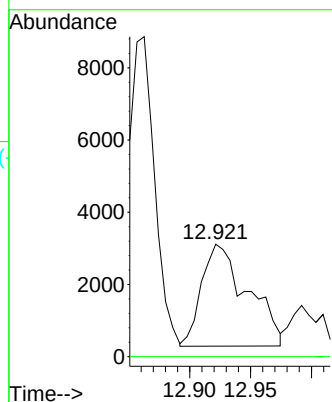
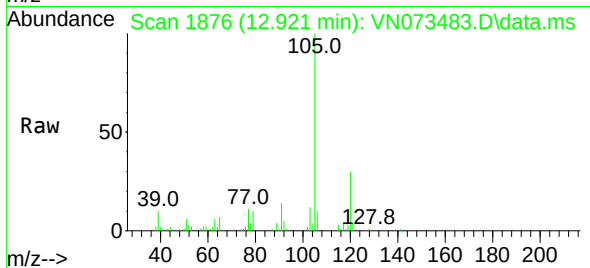
TW-SEPTIC

Tgt Ion: 91 Resp: 7438

Ion Ratio Lower Upper

91 100

126 0.0 17.3 51.9#



#80

1,3,5-Trimethylbenzene

Concen: 0.897 ug/l

RT: 13.004 min Scan# 1890

Delta R.T. 0.006 min

Lab File: VN073483.D

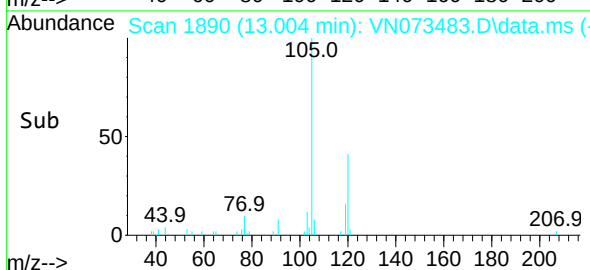
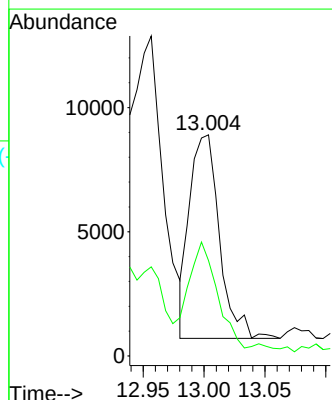
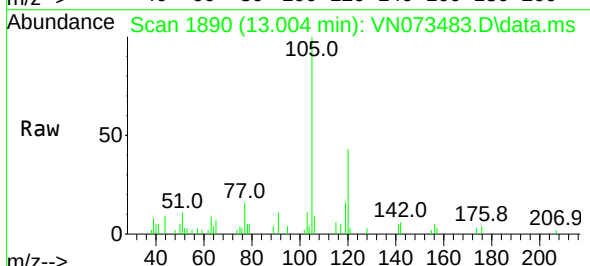
Acq: 15 Jul 2022 14:06

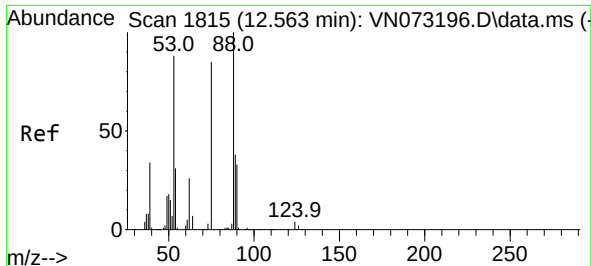
Tgt Ion: 105 Resp: 13968

Ion Ratio Lower Upper

105 100

120 50.0 24.9 74.7

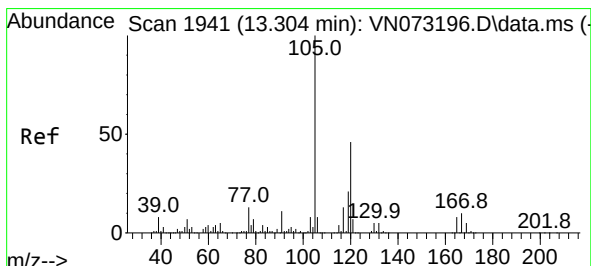
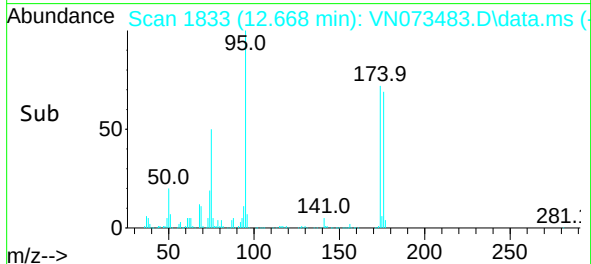
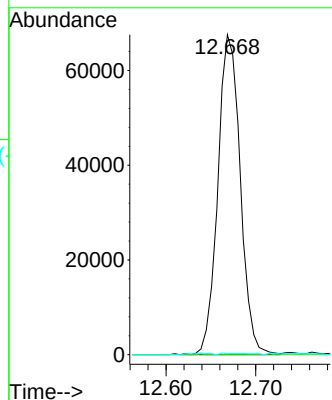
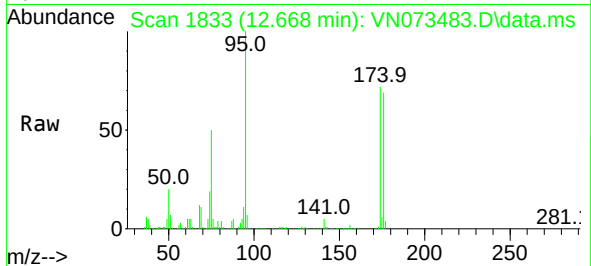




#81
trans-1,4-Dichloro-2-butene
Concen: 55.554 ug/l
RT: 12.668 min Scan# 1815
Delta R.T. 0.105 min
Lab File: VN073483.D
Acq: 15 Jul 2022 14:06

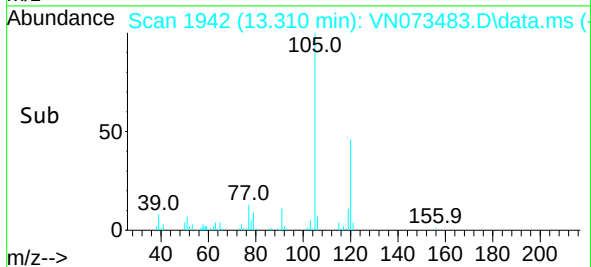
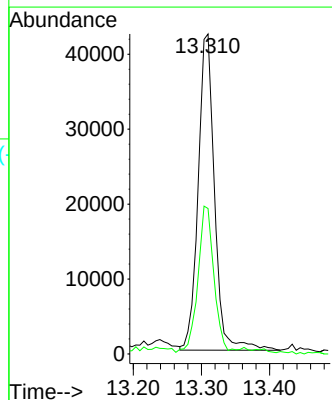
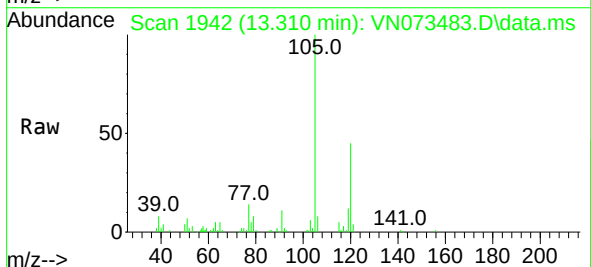
Instrument :
MSVOA_N
ClientSampleId :
TW-SEPTIC

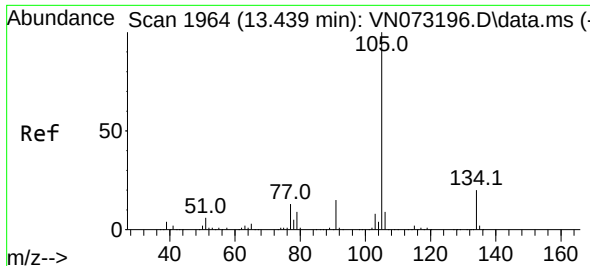
Tgt Ion: 75 Resp: 117234
Ion Ratio Lower Upper
75 100
53 0.0 78.0 117.0#
89 0.6 37.2 55.8#



#84
1,2,4-Trimethylbenzene
Concen: 4.543 ug/l
RT: 13.310 min Scan# 1942
Delta R.T. 0.006 min
Lab File: VN073483.D
Acq: 15 Jul 2022 14:06

Tgt Ion: 105 Resp: 70667
Ion Ratio Lower Upper
105 100
120 45.0 23.3 69.8

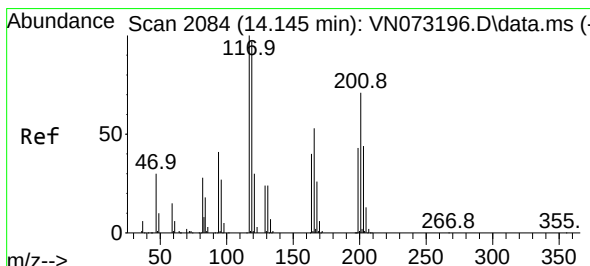
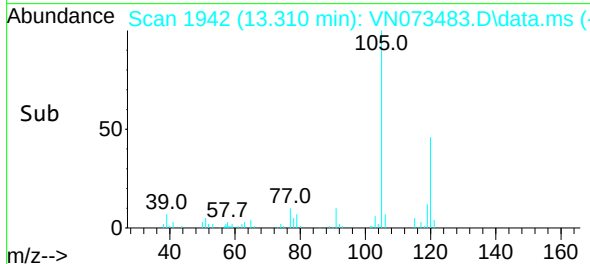
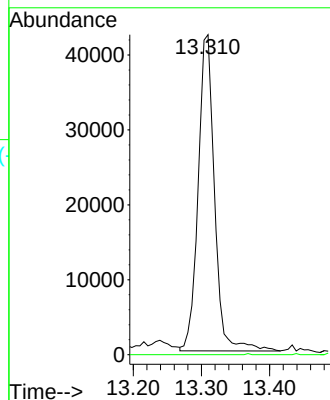
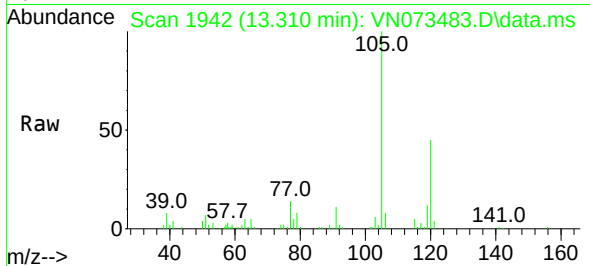




#85
 sec-Butylbenzene
 Concen: 3.768 ug/l
 RT: 13.310 min Scan# 1942
 Delta R.T. -0.129 min
 Lab File: VN073483.D
 Acq: 15 Jul 2022 14:06

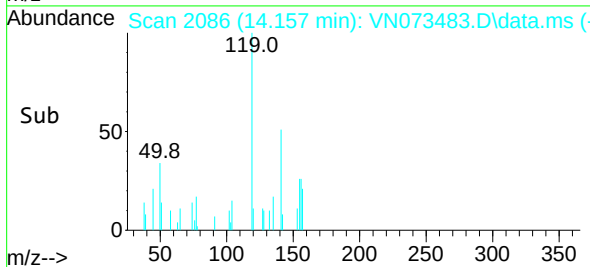
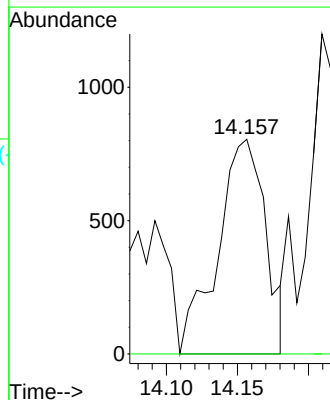
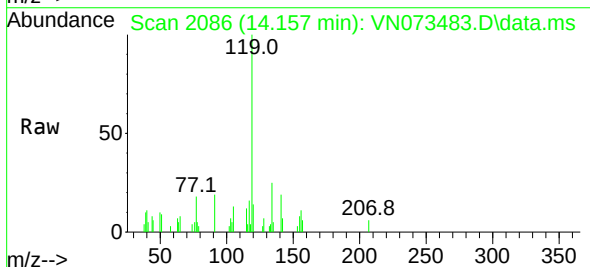
Instrument :
 MSVOA_N
 ClientSampleId :
 TW-SEPTIC

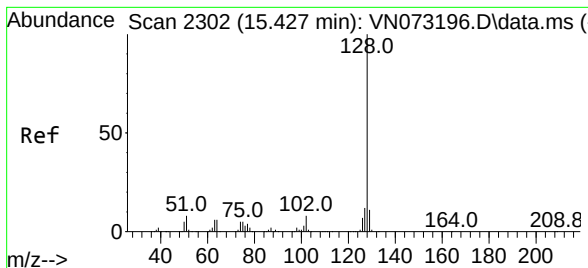
Tgt Ion:105 Resp: 70667
 Ion Ratio Lower Upper
 105 100
 134 0.0 10.4 31.1#



#90
 Hexachloroethane
 Concen: 0.667 ug/l
 RT: 14.157 min Scan# 2086
 Delta R.T. 0.012 min
 Lab File: VN073483.D
 Acq: 15 Jul 2022 14:06

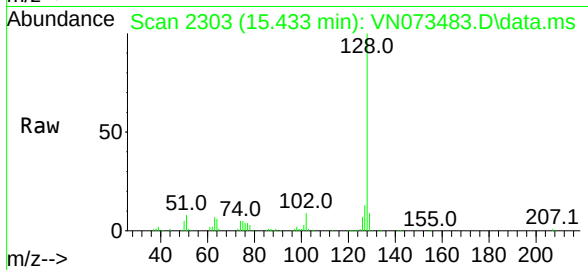
Tgt Ion:117 Resp: 1884
 Ion Ratio Lower Upper
 117 100
 201 0.0 40.6 122.0#





#95
Naphthalene
Concen: 17.070 ug/l
RT: 15.433 min Scan# 21
Delta R.T. 0.006 min
Lab File: VN073483.D
Acq: 15 Jul 2022 14:06

Instrument :
MSVOA_N
ClientSampleId :
TW-SEPTIC



Tgt Ion:128 Resp: 291181
Ion Ratio Lower Upper
128 100
127 13.5 10.3 15.5
129 10.3 8.6 13.0

