

Data Path : Z:\voasrv\HPCHEM1\MSVOA_N\Data\VN072022\
 Data File : VN073544.D
 Acq On : 21 Jul 2022 00:16
 Operator : JC\MD
 Sample : N3813-05
 Misc : 5.0mL/MSVOA_N/WATER
 ALS Vial : 22 Sample Multiplier: 1

Instrument :
 MSVOA_N
 ClientSampleId :
 QUEENS4A-WC-20220720

Quant Time: Jul 21 08:28:55 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)

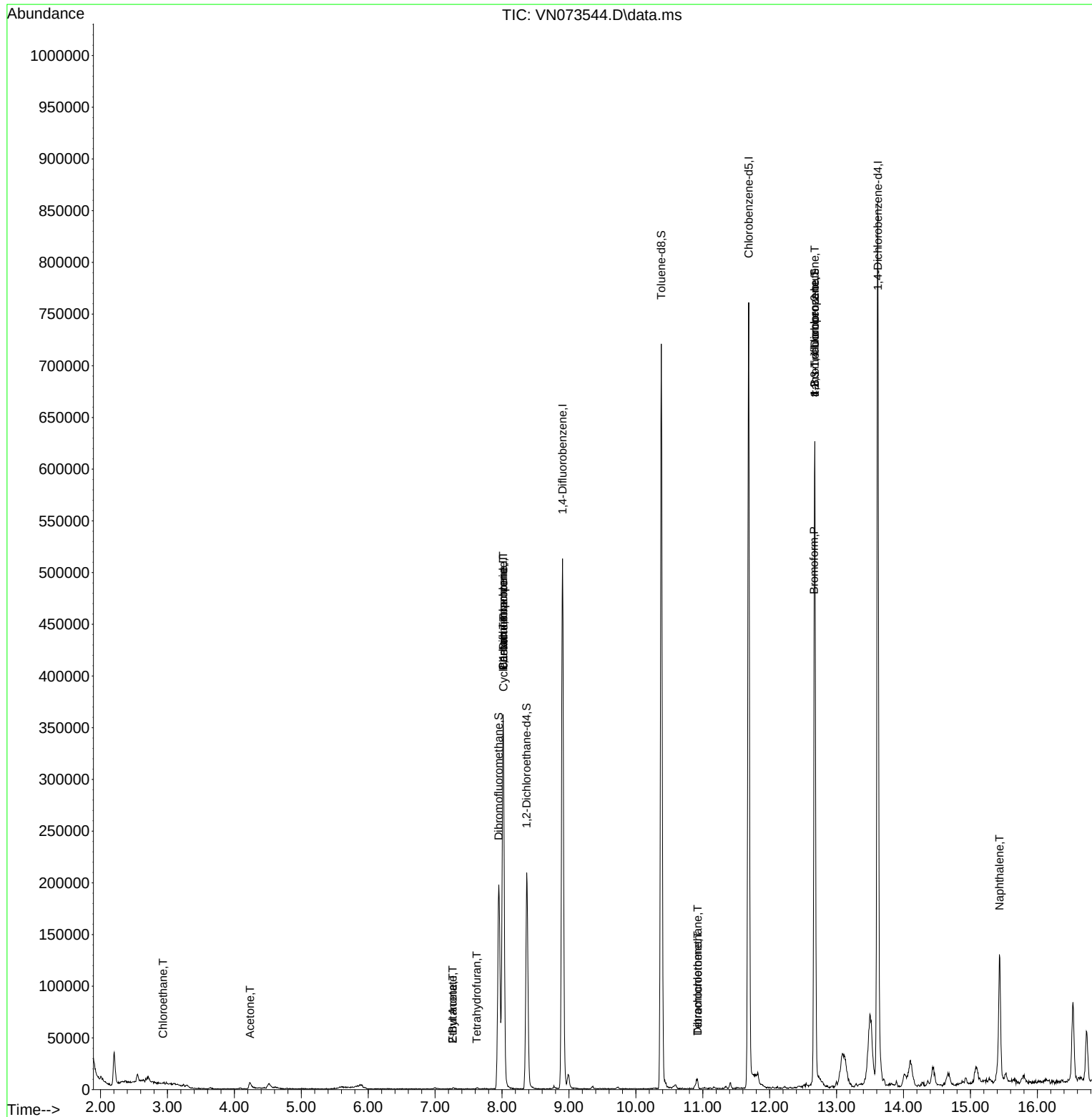
Internal Standards						
1) Pentafluorobenzene	8.016	168	275908	50.000	ug/l	0.00
34) 1,4-Difluorobenzene	8.904	114	449536	50.000	ug/l	0.00
63) Chlorobenzene-d5	11.686	117	419571	50.000	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.616	152	219114	50.000	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	8.369	65	167211	41.981	ug/l	0.00
Spiked Amount 50.000	Range 74 - 125		Recovery =	83.960%		
35) Dibromofluoromethane	7.951	113	145029	48.491	ug/l	0.00
Spiked Amount 50.000	Range 75 - 124		Recovery =	96.980%		
50) Toluene-d8	10.381	98	482618	45.434	ug/l	0.00
Spiked Amount 50.000	Range 86 - 113		Recovery =	90.860%		
62) 4-Bromofluorobenzene	12.675	95	206441	50.572	ug/l	0.00
Spiked Amount 50.000	Range 83 - 123		Recovery =	101.140%		
Target Compounds						Qvalue
6) Chloroethane	2.934	64	537	0.274	ug/l #	42
16) Acetone	4.234	43	11388	5.094	ug/l	95
25) 2-Butanone	7.263	43	1935	0.544	ug/l	99
29) Tetrahydrofuran	7.622	42	828	0.340	ug/l #	47
31) Cyclohexane	8.022	56	6582	1.009	ug/l #	33
36) 1,1-Dichloropropene	8.016	75	22282	4.842	ug/l #	48
37) Ethyl Acetate	7.263	43	1935	0.278	ug/l #	67
38) Carbon Tetrachloride	8.016	117	29142	6.124	ug/l #	17
60) Dibromochloromethane	10.922	129	2002	0.581	ug/l #	11
64) Tetrachloroethene	10.922	164	2035	0.594	ug/l #	76
71) Bromoform	12.663	173	1276	0.500	ug/l #	28
76) 1,2,3-Trichloropropane	12.675	75	113125	19.745	ug/l #	1
81) trans-1,4-Dichloro-2-b...	12.675	75	113125	54.149	ug/l #	11
95) Naphthalene	15.433	128	126086	7.466	ug/l	98

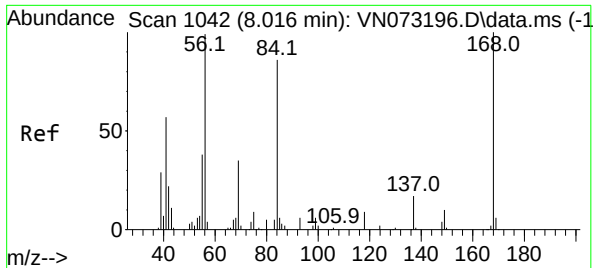
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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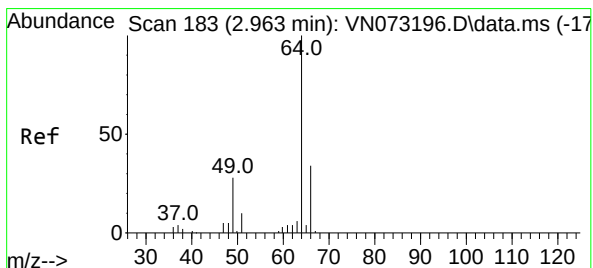
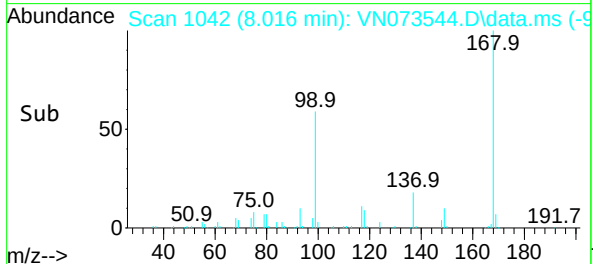
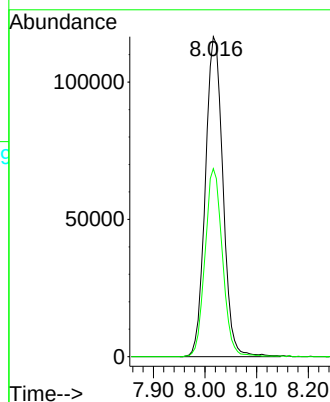
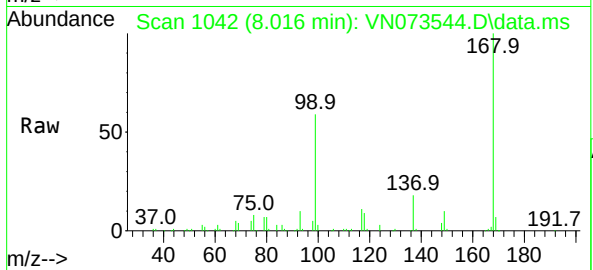




#1
Pentafluorobenzene
Concen: 50.000 ug/l
RT: 8.016 min Scan# 11
Delta R.T. 0.000 min
Lab File: VN073544.D
Acq: 21 Jul 2022 00:16

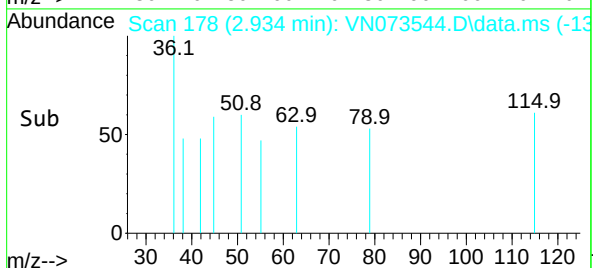
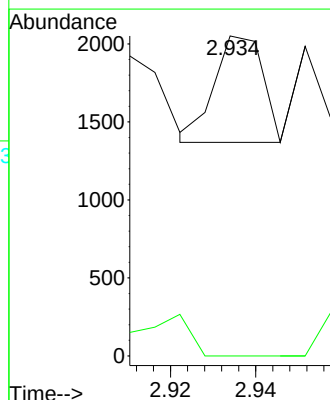
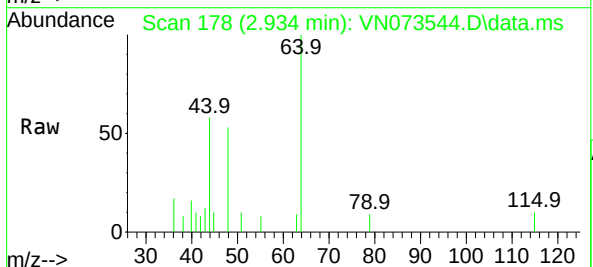
Instrument :
MSVOA_N
ClientSampleId :
QUEENS4A-WC-20220720

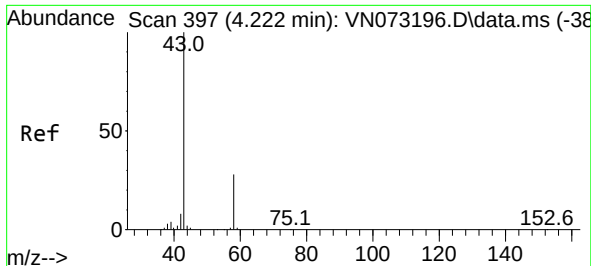
Tgt Ion:168 Resp: 275908
Ion Ratio Lower Upper
168 100
99 58.7 42.3 63.5



#6
Chloroethane
Concen: 0.274 ug/l
RT: 2.934 min Scan# 178
Delta R.T. -0.029 min
Lab File: VN073544.D
Acq: 21 Jul 2022 00:16

Tgt Ion: 64 Resp: 537
Ion Ratio Lower Upper
64 100
66 0.0 26.2 39.4#

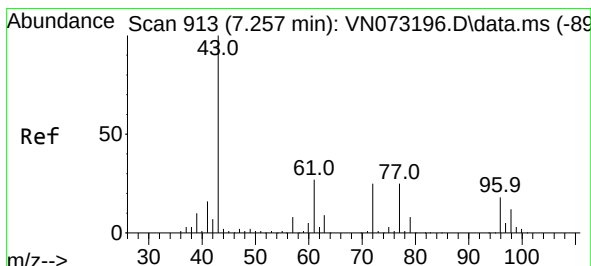
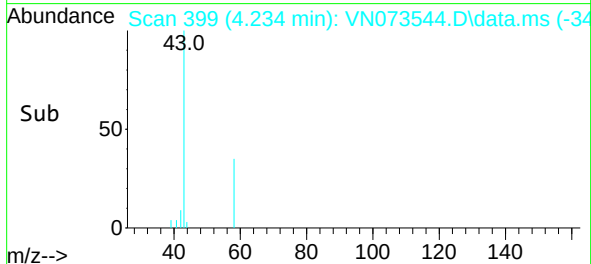
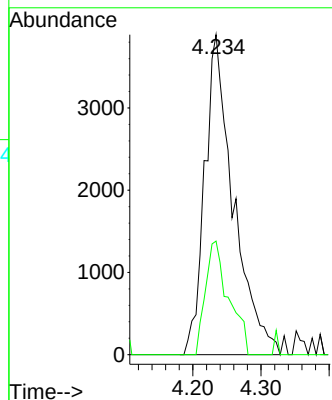
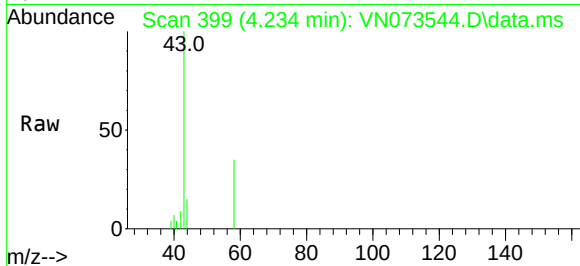




#16
Acetone
Concen: 5.094 ug/l
RT: 4.234 min Scan# 398
Delta R.T. 0.012 min
Lab File: VN073544.D
Acq: 21 Jul 2022 00:16

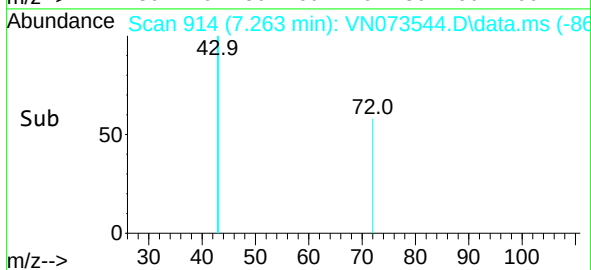
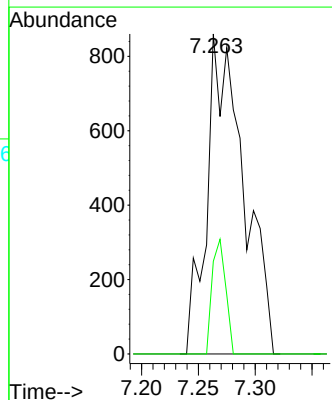
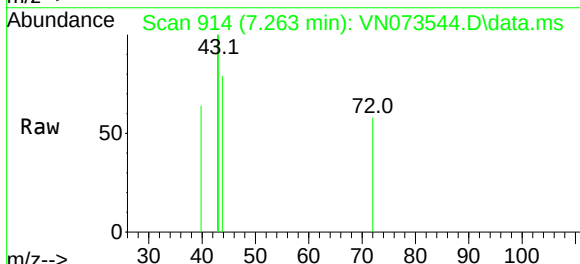
Instrument :
MSVOA_N
ClientSampleId :
QUEENS4A-WC-20220720

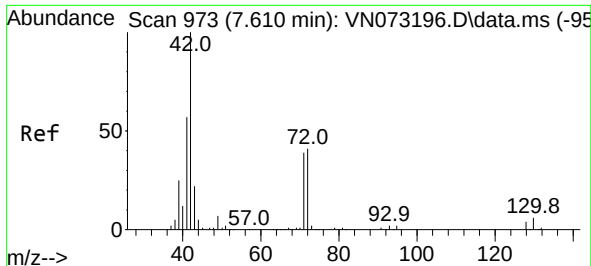
Tgt Ion: 43 Resp: 11388
Ion Ratio Lower Upper
43 100
58 35.5 26.0 39.0



#25
2-Butanone
Concen: 0.544 ug/l
RT: 7.263 min Scan# 914
Delta R.T. 0.006 min
Lab File: VN073544.D
Acq: 21 Jul 2022 00:16

Tgt Ion: 43 Resp: 1935
Ion Ratio Lower Upper
43 100
72 29.0 23.7 35.5





#29

Tetrahydrofuran

Concen: 0.340 ug/l

RT: 7.622 min Scan# 91

Delta R.T. 0.012 min

Lab File: VN073544.D

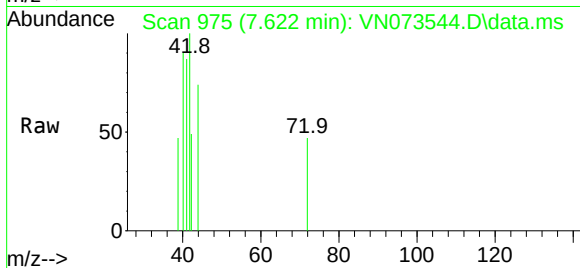
Acq: 21 Jul 2022 00:16

Instrument :

MSVOA_N

ClientSampleId :

QUEENS4A-WC-20220720



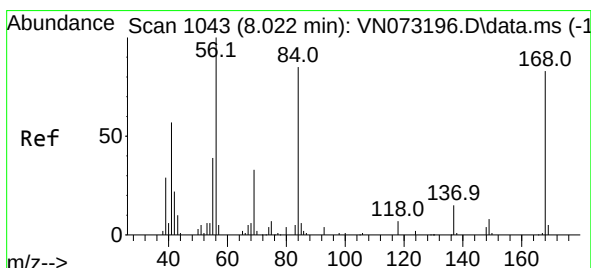
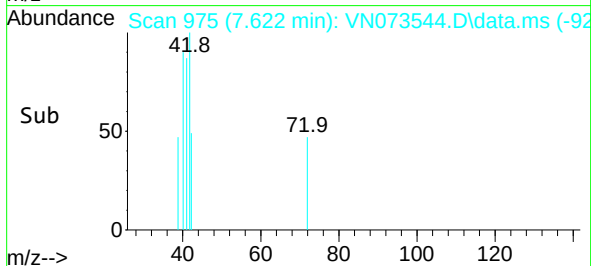
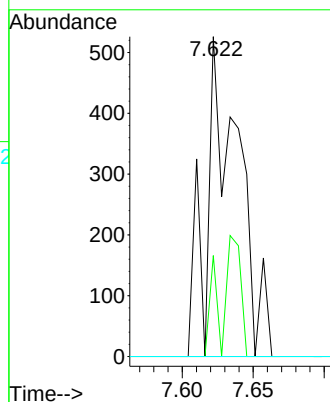
Tgt Ion: 42 Resp: 828

Ion Ratio Lower Upper

42 100

72 23.3 39.7 59.5#

71 0.0 36.6 55.0#



#31

Cyclohexane

Concen: 1.009 ug/l

RT: 8.022 min Scan# 1043

Delta R.T. -0.000 min

Lab File: VN073544.D

Acq: 21 Jul 2022 00:16

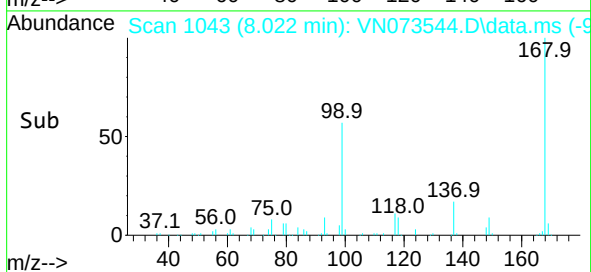
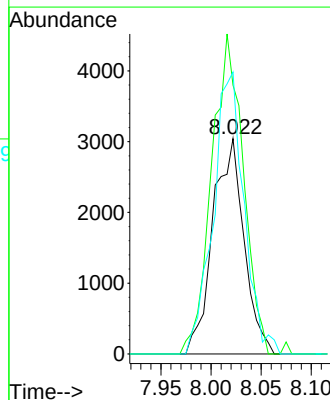
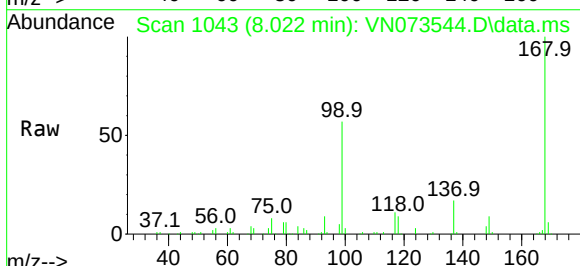
Tgt Ion: 56 Resp: 6582

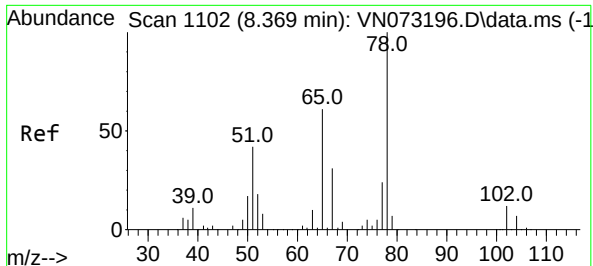
Ion Ratio Lower Upper

56 100

69 124.8 27.8 41.8#

84 130.9 76.9 115.3#

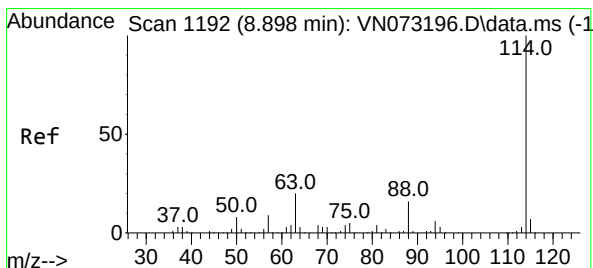
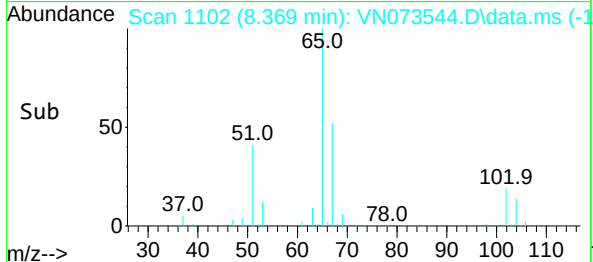
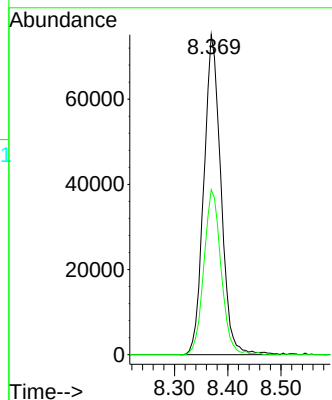
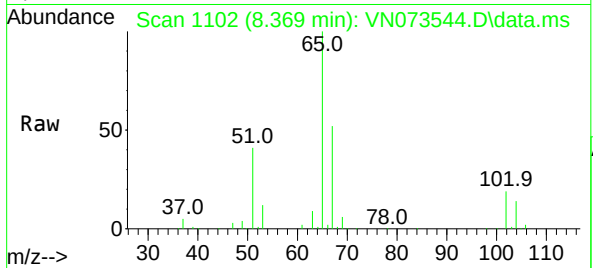




#33
 1,2-Dichloroethane-d4
 Concen: 41.981 ug/l
 RT: 8.369 min Scan# 1102
 Delta R.T. -0.000 min
 Lab File: VN073544.D
 Acq: 21 Jul 2022 00:16

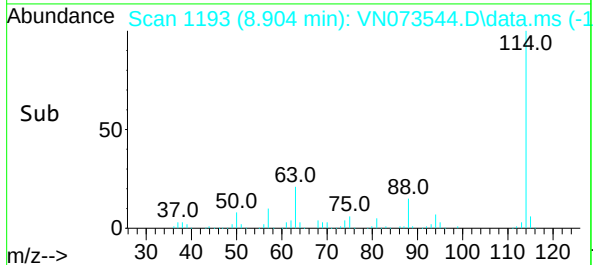
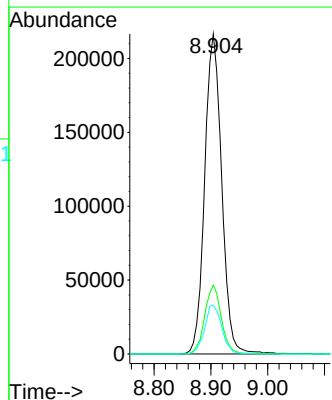
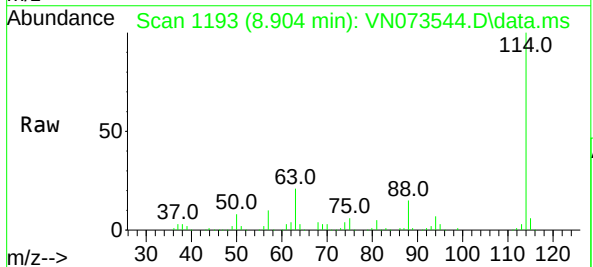
Instrument :
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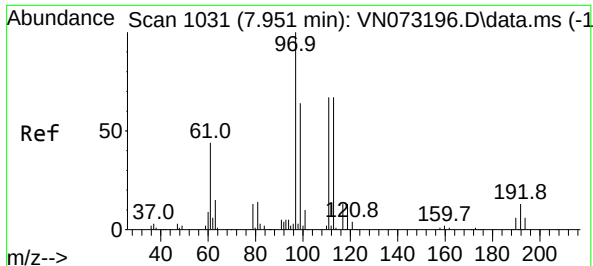
Tgt Ion: 65 Resp: 167211
 Ion Ratio Lower Upper
 65 100
 67 51.8 0.0 104.8



#34
 1,4-Difluorobenzene
 Concen: 50.000 ug/l
 RT: 8.904 min Scan# 1193
 Delta R.T. 0.006 min
 Lab File: VN073544.D
 Acq: 21 Jul 2022 00:16

Tgt Ion: 114 Resp: 449536
 Ion Ratio Lower Upper
 114 100
 63 21.5 0.0 40.0
 88 15.2 0.0 32.6





#35

Dibromofluoromethane

Concen: 48.491 ug/l

RT: 7.951 min Scan# 1031

Delta R.T. 0.000 min

Lab File: VN073544.D

Acq: 21 Jul 2022 00:16

Instrument :

MSVOA_N

ClientSampleId :

QUEENS4A-WC-20220720

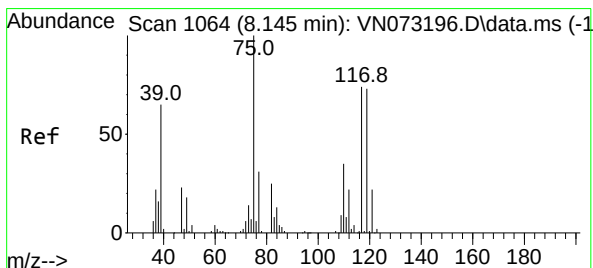
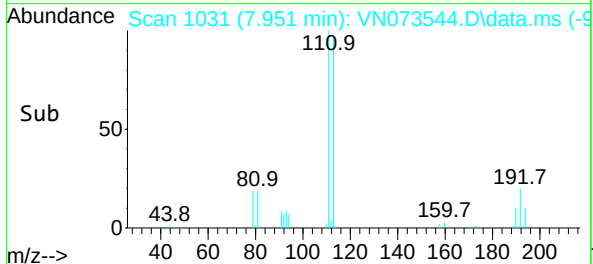
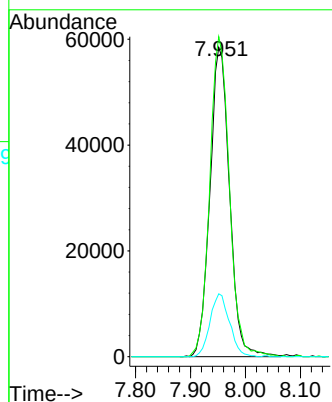
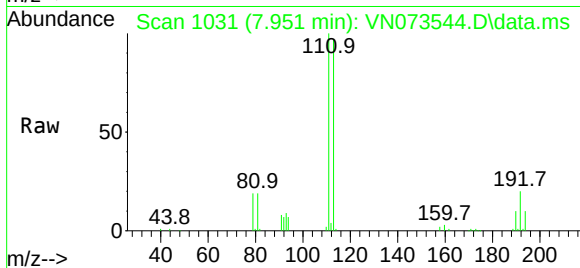
Tgt Ion:113 Resp: 145029

Ion Ratio Lower Upper

113 100

111 103.5 81.4 122.0

192 20.1 17.0 25.6



#36

1,1-Dichloropropene

Concen: 4.842 ug/l

RT: 8.016 min Scan# 1042

Delta R.T. -0.129 min

Lab File: VN073544.D

Acq: 21 Jul 2022 00:16

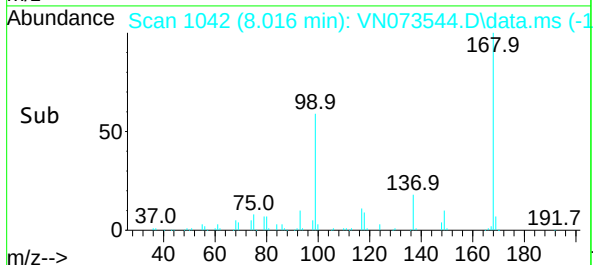
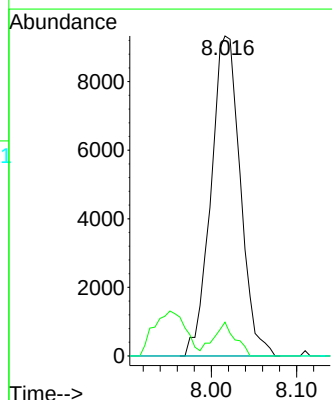
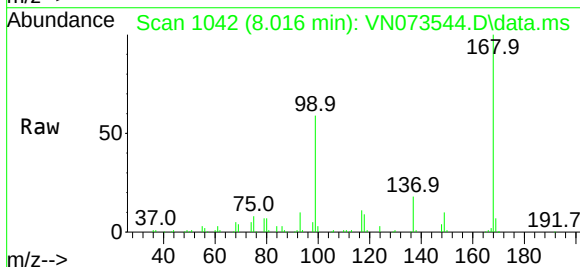
Tgt Ion: 75 Resp: 22282

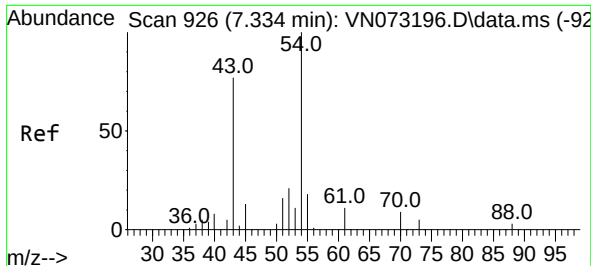
Ion Ratio Lower Upper

75 100

110 7.8 18.3 54.8#

77 0.0 25.1 37.7#

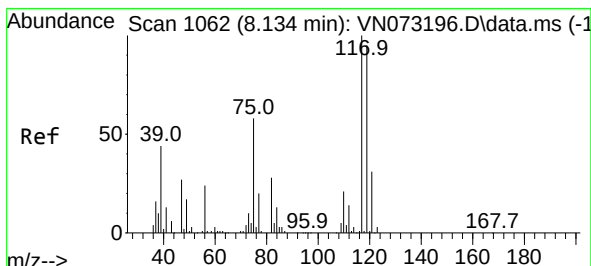
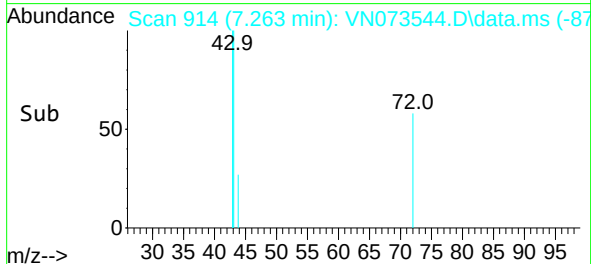
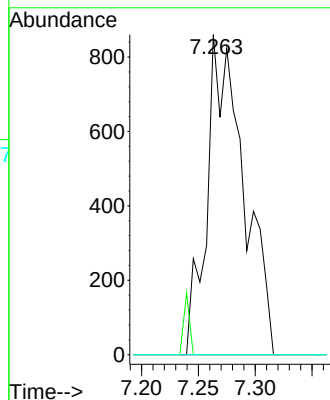
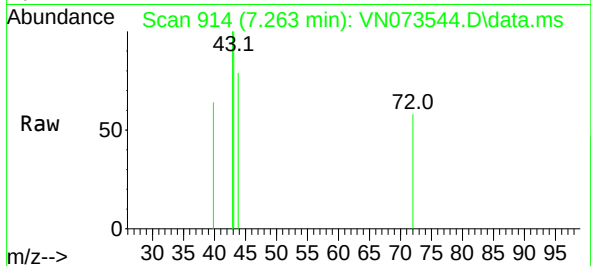




#37
Ethyl Acetate
Concen: 0.278 ug/l
RT: 7.263 min Scan# 914
Delta R.T. -0.071 min
Lab File: VN073544.D
Acq: 21 Jul 2022 00:16

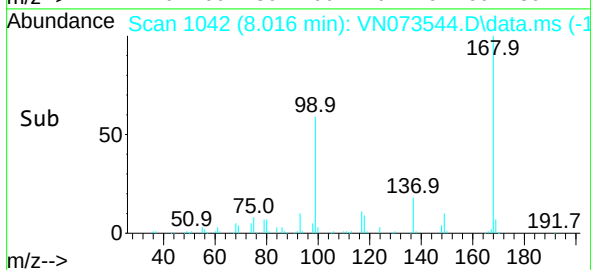
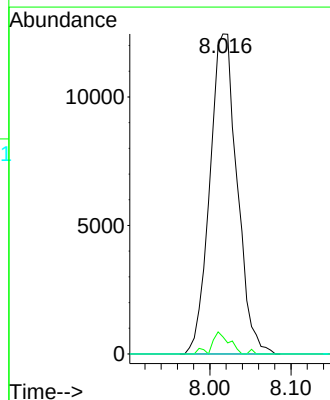
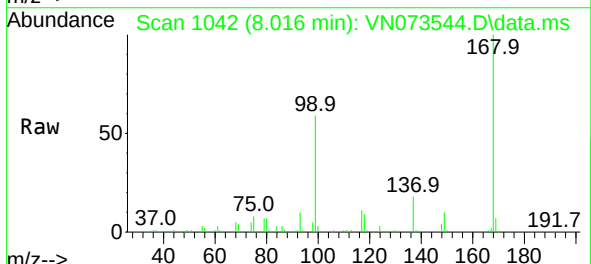
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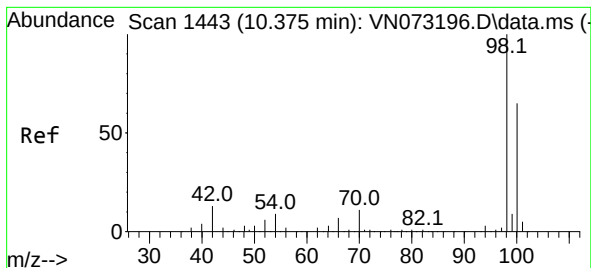
Tgt Ion: 43 Resp: 1935
Ion Ratio Lower Upper
43 100
61 0.0 11.8 17.6#
70 0.0 9.3 13.9#



#38
Carbon Tetrachloride
Concen: 6.124 ug/l
RT: 8.016 min Scan# 1042
Delta R.T. -0.118 min
Lab File: VN073544.D
Acq: 21 Jul 2022 00:16

Tgt Ion: 117 Resp: 29142
Ion Ratio Lower Upper
117 100
119 5.4 75.8 113.8#
121 0.0 24.6 37.0#





#50

Toluene-d8

Concen: 45.434 ug/l

RT: 10.381 min Scan# 1443

Delta R.T. 0.006 min

Lab File: VN073544.D

Acq: 21 Jul 2022 00:16

Instrument :

MSVOA_N

ClientSampleId :

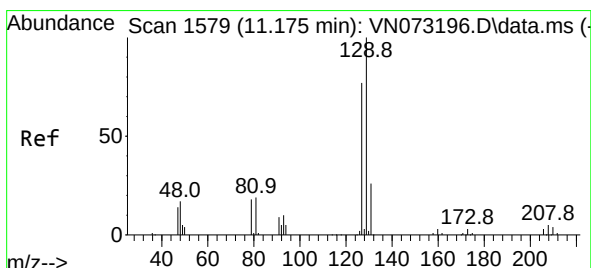
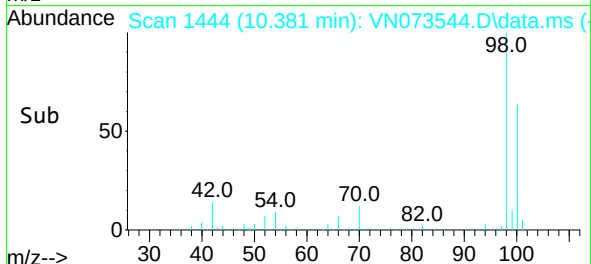
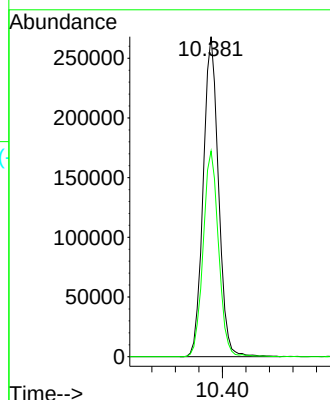
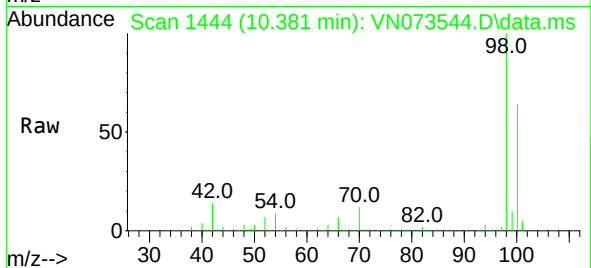
QUEENS4A-WC-20220720

Tgt Ion: 98 Resp: 482618

Ion Ratio Lower Upper

98 100

100 64.8 52.6 78.8



#60

Dibromochloromethane

Concen: 0.581 ug/l

RT: 10.922 min Scan# 1536

Delta R.T. -0.253 min

Lab File: VN073544.D

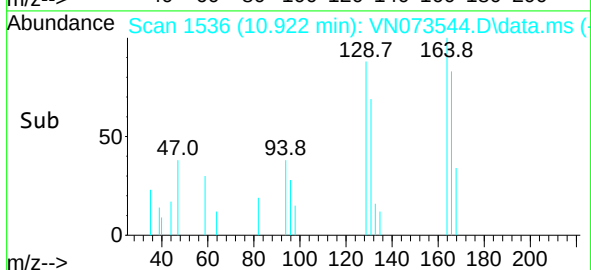
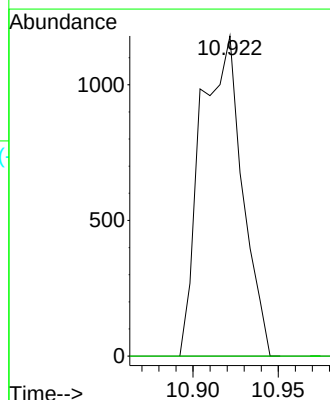
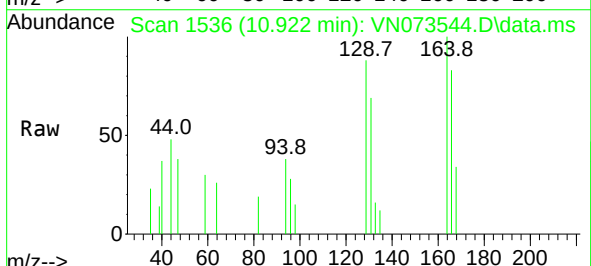
Acq: 21 Jul 2022 00:16

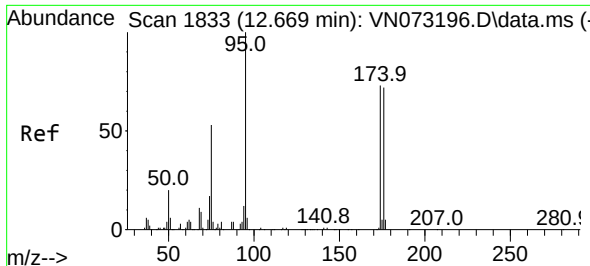
Tgt Ion: 129 Resp: 2002

Ion Ratio Lower Upper

129 100

127 0.0 38.8 116.4#

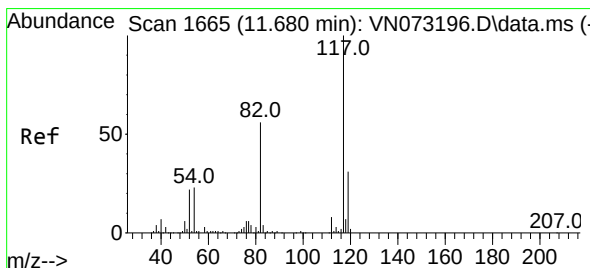
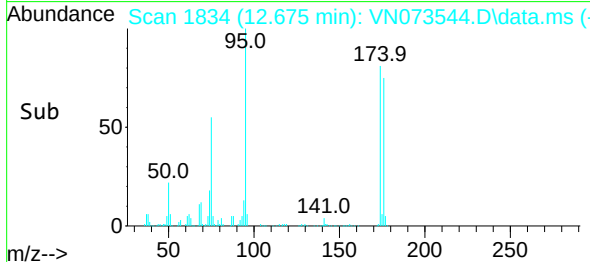
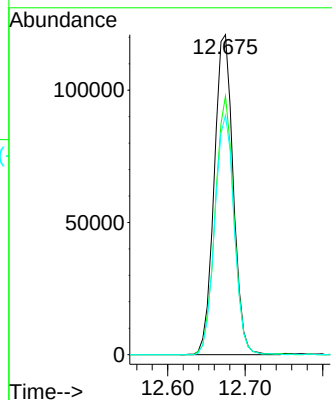
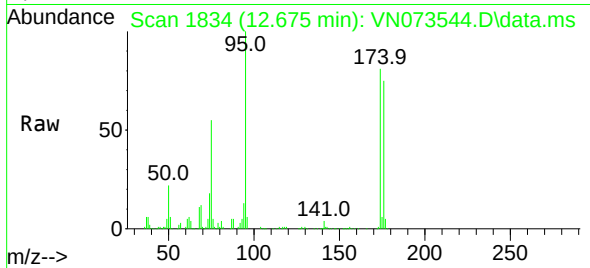




#62
4-Bromofluorobenzene
Concen: 50.572 ug/l
RT: 12.675 min Scan# 1834
Delta R.T. 0.006 min
Lab File: VN073544.D
Acq: 21 Jul 2022 00:16

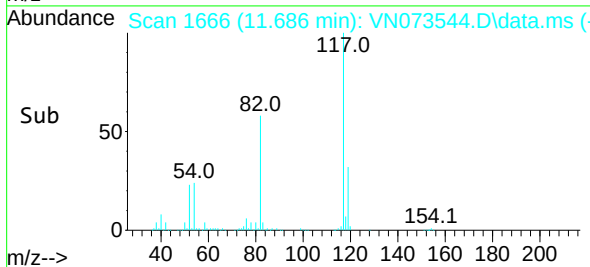
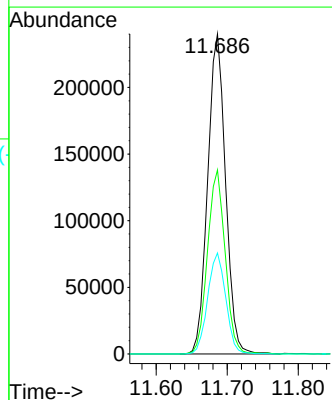
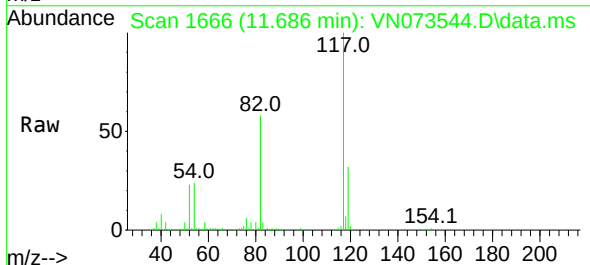
Instrument :
MSVOA_N
ClientSampleId :
QUEENS4A-WC-20220720

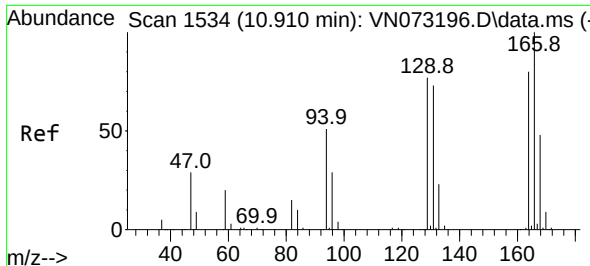
Tgt Ion: 95 Resp: 206441
Ion Ratio Lower Upper
95 100
174 79.4 0.0 167.6
176 76.2 0.0 163.4



#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 11.686 min Scan# 1666
Delta R.T. 0.006 min
Lab File: VN073544.D
Acq: 21 Jul 2022 00:16

Tgt Ion: 117 Resp: 419571
Ion Ratio Lower Upper
117 100
82 57.5 44.2 66.2
119 31.5 25.4 38.0

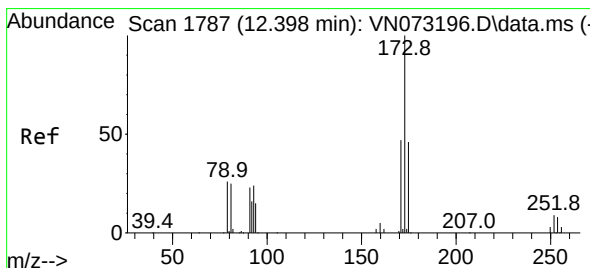
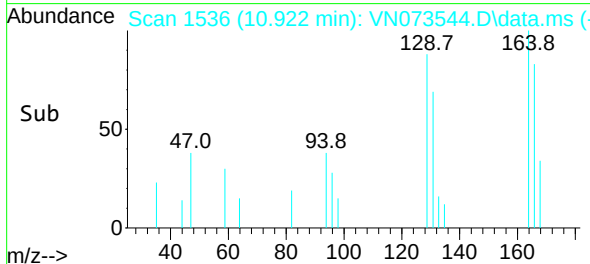
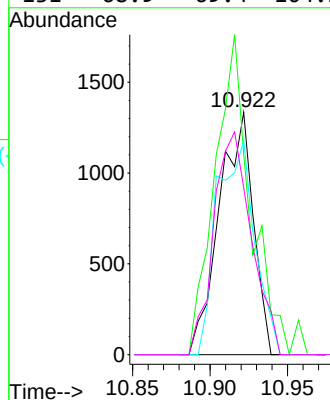
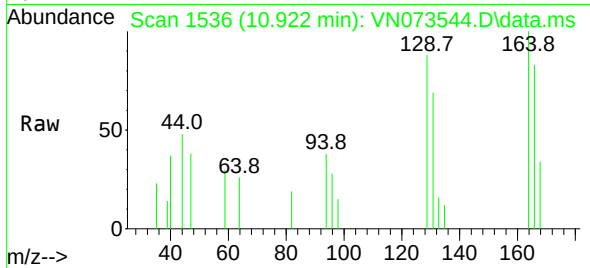




#64
Tetrachloroethene
Concen: 0.594 ug/l
RT: 10.922 min Scan# 11
Delta R.T. 0.012 min
Lab File: VN073544.D
Acq: 21 Jul 2022 00:16

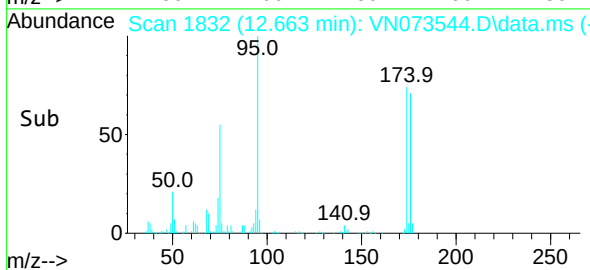
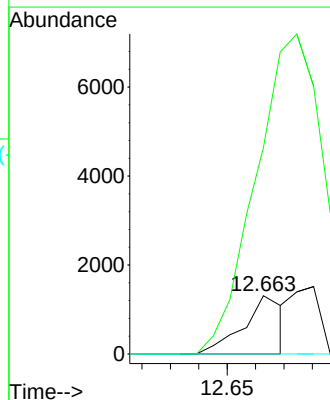
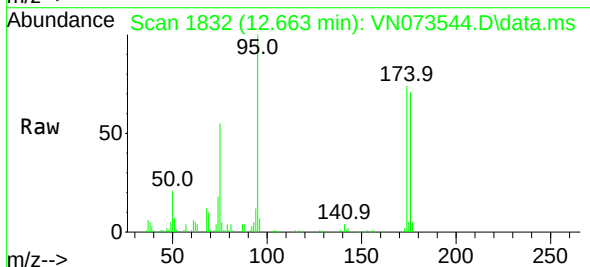
Instrument :
MSVOA_N
ClientSampleId :
QUEENS4A-WC-20220720

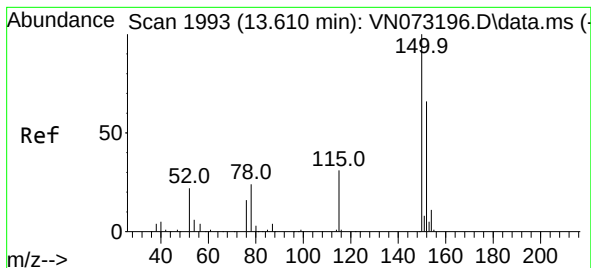
Tgt Ion:164 Resp: 2035
Ion Ratio Lower Upper
164 100
166 82.7 104.2 156.2#
129 88.4 73.9 110.9
131 68.9 69.4 104.2#



#71
Bromoform
Concen: 0.500 ug/l
RT: 12.663 min Scan# 1832
Delta R.T. 0.265 min
Lab File: VN073544.D
Acq: 21 Jul 2022 00:16

Tgt Ion:173 Resp: 1276
Ion Ratio Lower Upper
173 100
175 0.0 24.6 73.6#
254 0.0 0.1 0.1#





#72

1,4-Dichlorobenzene-d4

Concen: 50.000 ug/l

RT: 13.616 min Scan# 1993

Delta R.T. 0.006 min

Lab File: VN073544.D

Acq: 21 Jul 2022 00:16

Instrument :

MSVOA_N

ClientSampleId :

QUEENS4A-WC-20220720

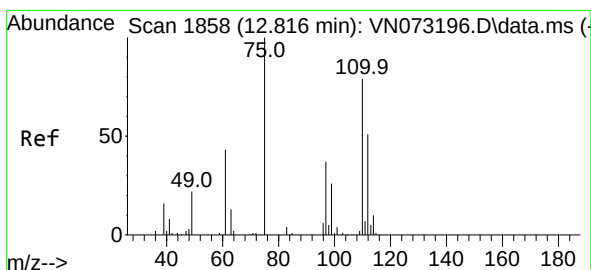
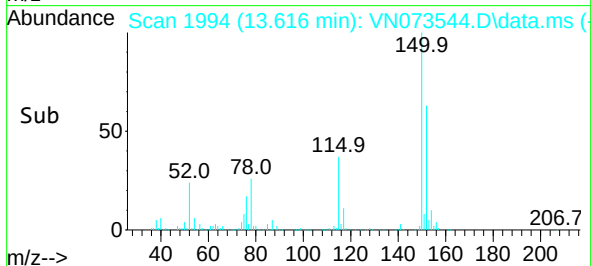
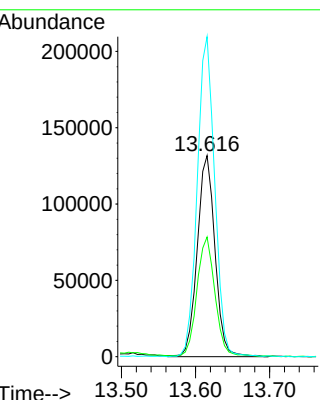
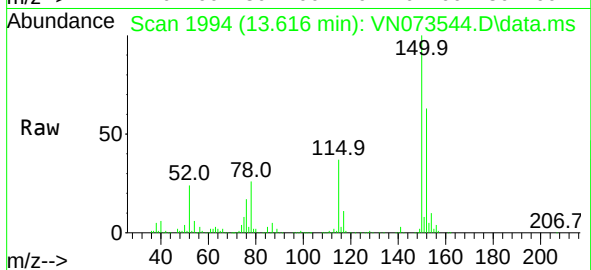
Tgt Ion:152 Resp: 219114

Ion Ratio Lower Upper

152 100

115 59.7 28.9 86.7

150 156.5 0.0 356.2



#76

1,2,3-Trichloropropane

Concen: 19.745 ug/l

RT: 12.675 min Scan# 1834

Delta R.T. -0.141 min

Lab File: VN073544.D

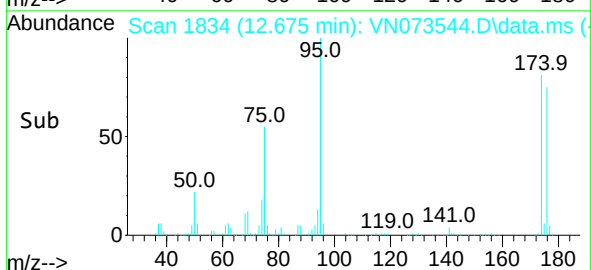
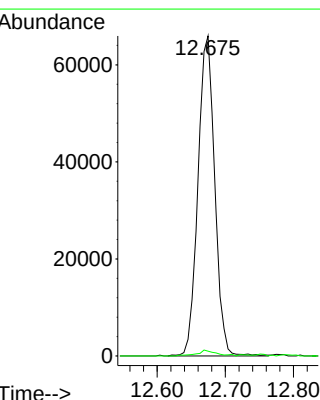
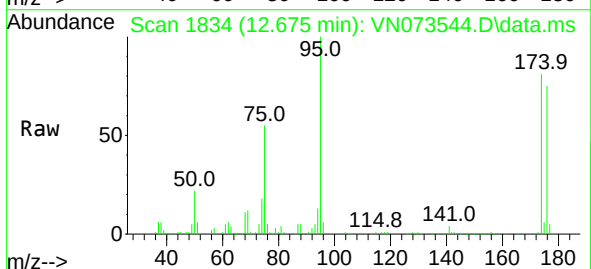
Acq: 21 Jul 2022 00:16

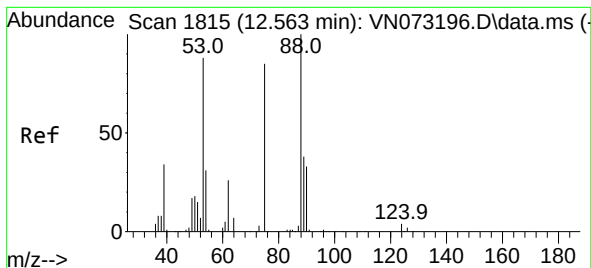
Tgt Ion: 75 Resp: 113125

Ion Ratio Lower Upper

75 100

77 2.1 98.5 295.5#

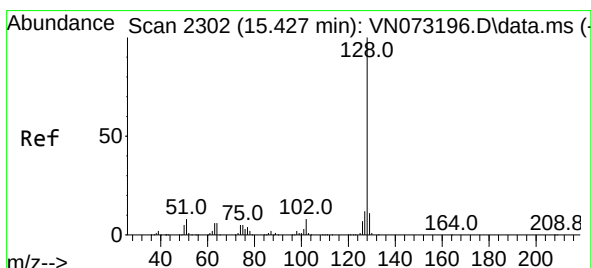
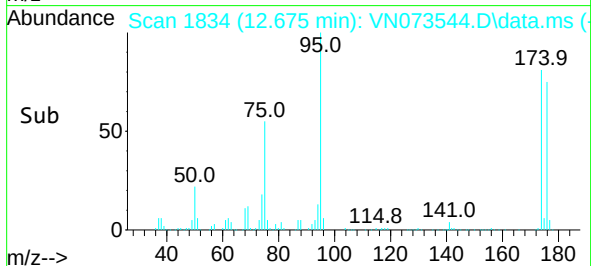
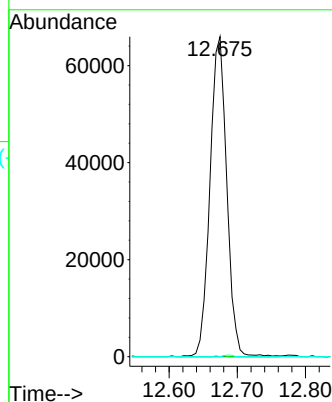
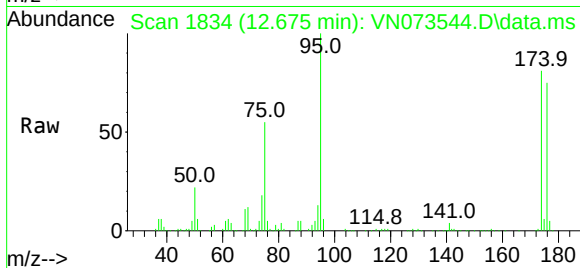




#81
trans-1,4-Dichloro-2-butene
Concen: 54.149 ug/l
RT: 12.675 min Scan# 11
Delta R.T. 0.112 min
Lab File: VN073544.D
Acq: 21 Jul 2022 00:16

Instrument :
MSVOA_N
ClientSampleId :
QUEENS4A-WC-20220720

Tgt Ion: 75 Resp: 113125
Ion Ratio Lower Upper
75 100
53 0.1 78.0 117.0#
89 0.3 37.2 55.8#



#95
Naphthalene
Concen: 7.466 ug/l
RT: 15.433 min Scan# 2303
Delta R.T. 0.006 min
Lab File: VN073544.D
Acq: 21 Jul 2022 00:16

Tgt Ion:128 Resp: 126086
Ion Ratio Lower Upper
128 100
127 13.9 10.3 15.5
129 11.1 8.6 13.0

