

Data Path : Z:\voasrv\HPCHEM1\MSVOA_N\Data\VN072122\
 Data File : VN073567.D
 Acq On : 21 Jul 2022 20:03
 Operator : JC\MD
 Sample : N3813-06
 Misc : 5.0mL/MSVOA_N/WATER
 ALS Vial : 22 Sample Multiplier: 1

Instrument :
 MSVOA_N
 ClientSampleId :
 QUEENS4A-WC-20220720

Quant Time: Jul 22 08:02:36 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)

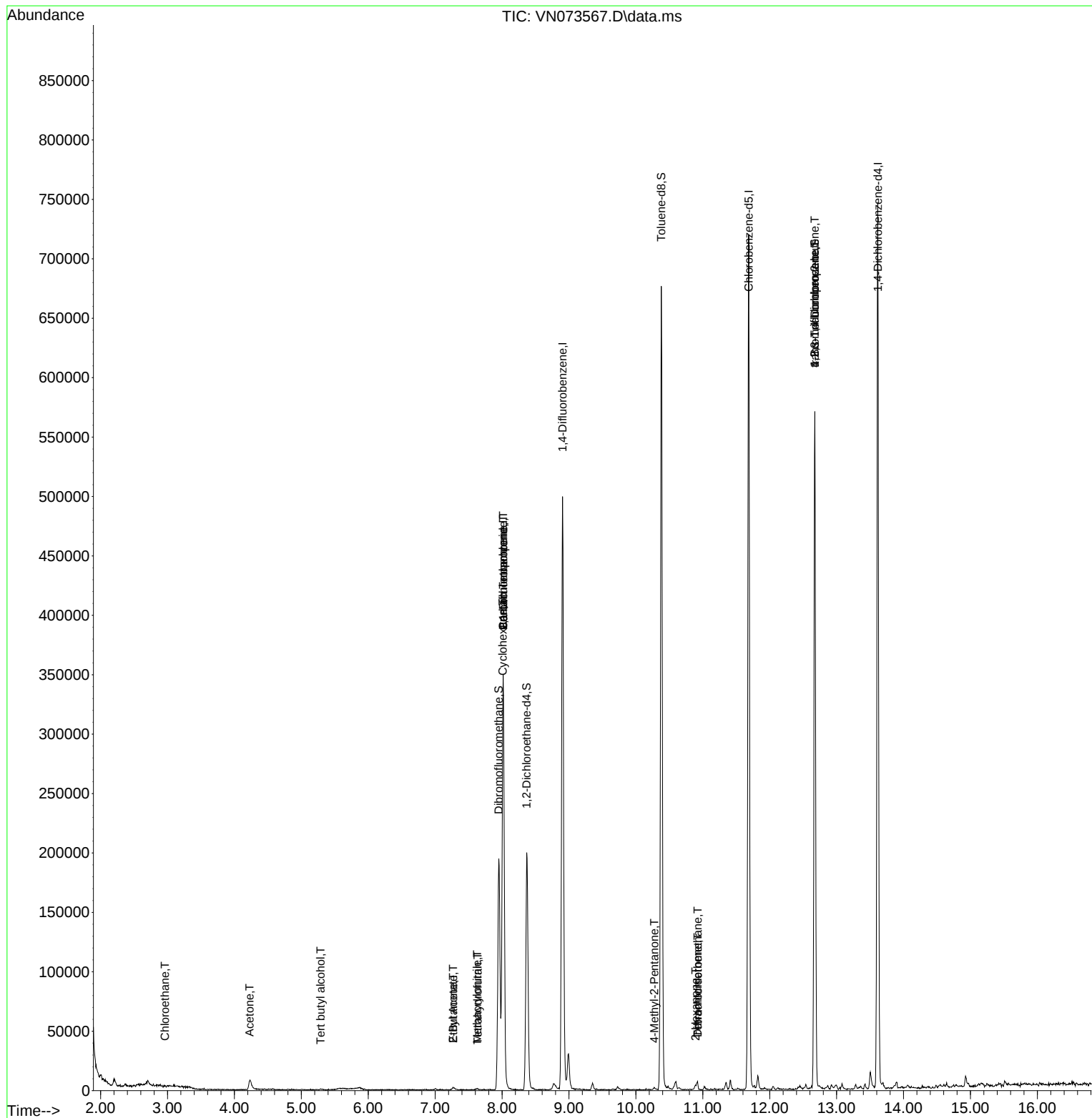
Internal Standards						
1) Pentafluorobenzene	8.016	168	264474	50.000	ug/l	0.00
34) 1,4-Difluorobenzene	8.904	114	431999	50.000	ug/l	0.00
63) Chlorobenzene-d5	11.686	117	398601	50.000	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.616	152	199442	50.000	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	8.369	65	165026	43.223	ug/l	0.00
Spiked Amount 50.000	Range 74 - 125		Recovery =	86.440%		
35) Dibromofluoromethane	7.951	113	138314	48.123	ug/l	0.00
Spiked Amount 50.000	Range 75 - 124		Recovery =	96.240%		
50) Toluene-d8	10.380	98	457396	44.808	ug/l	0.00
Spiked Amount 50.000	Range 86 - 113		Recovery =	89.620%		
62) 4-Bromofluorobenzene	12.674	95	190842	48.648	ug/l	0.00
Spiked Amount 50.000	Range 83 - 123		Recovery =	97.300%		
Target Compounds						
					Qvalue	
6) Chloroethane	2.963	64	851	0.454	ug/l #	42
11) Tert butyl alcohol	5.287	59	303	0.328	ug/l #	72
16) Acetone	4.228	43	16589	7.741	ug/l #	79
25) 2-Butanone	7.269	43	3706	1.086	ug/l #	88
29) Tetrahydrofuran	7.634	42	704	0.301	ug/l #	35
31) Cyclohexane	8.010	56	6022	0.963	ug/l #	41
36) 1,1-Dichloropropene	8.016	75	21624	4.890	ug/l #	48
37) Ethyl Acetate	7.269	43	3706	0.555	ug/l #	67
38) Carbon Tetrachloride	8.016	117	26843	5.869	ug/l #	18
41) Methacrylonitrile	7.628	41	685	0.211	ug/l #	16
51) 4-Methyl-2-Pentanone	10.275	43	1531	0.251	ug/l #	58
59) 2-Hexanone	10.892	43	2918	0.629	ug/l	62
60) Dibromochloromethane	10.922	129	1044	0.315	ug/l #	11
64) Tetrachloroethene	10.922	164	1358	0.417	ug/l	95
76) 1,2,3-Trichloropropane	12.674	75	102407	19.637	ug/l #	1
81) trans-1,4-Dichloro-2-b...	12.674	75	102407	53.854	ug/l #	10

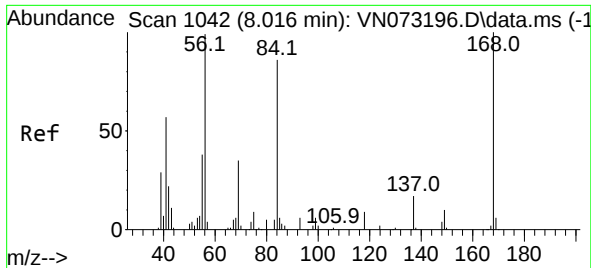
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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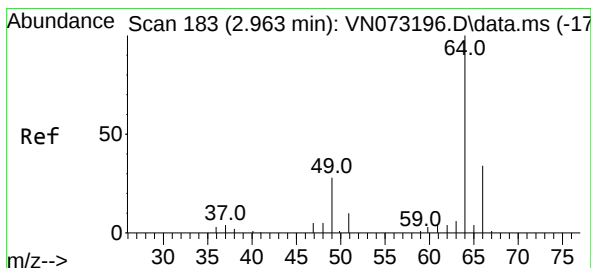
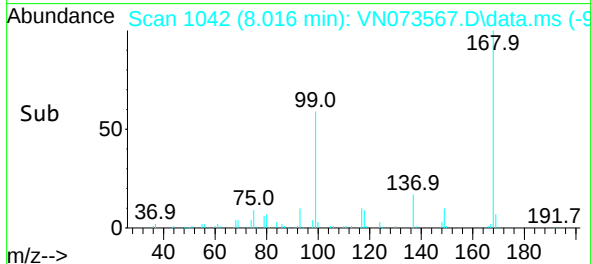
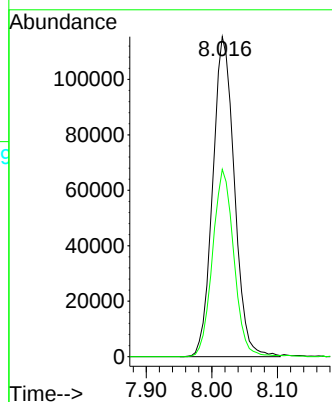
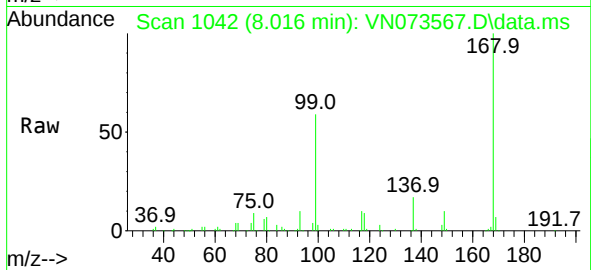




#1
Pentafluorobenzene
Concen: 50.000 ug/l
RT: 8.016 min Scan# 1042
Delta R.T. -0.000 min
Lab File: VN073567.D
Acq: 21 Jul 2022 20:03

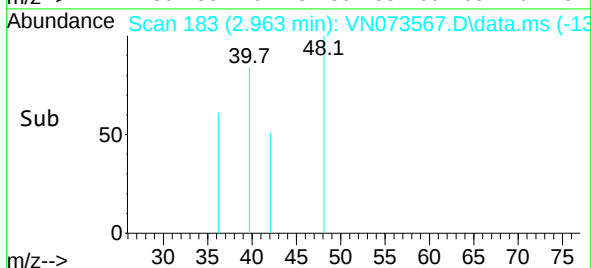
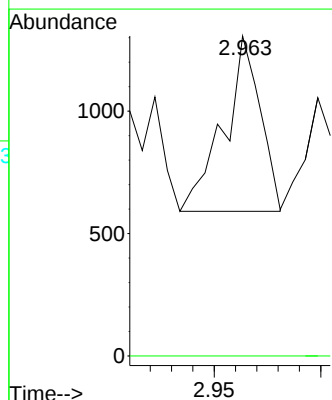
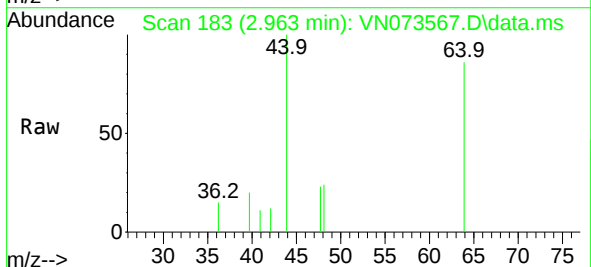
Instrument :
MSVOA_N
ClientSampleId :
QUEENS4A-WC-20220720

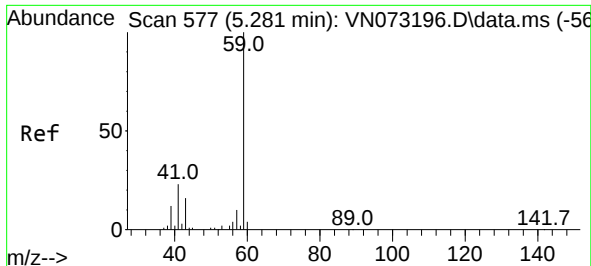
Tgt Ion:168 Resp: 264474
Ion Ratio Lower Upper
168 100
99 58.5 42.3 63.5



#6
Chloroethane
Concen: 0.454 ug/l
RT: 2.963 min Scan# 183
Delta R.T. 0.000 min
Lab File: VN073567.D
Acq: 21 Jul 2022 20:03

Tgt Ion: 64 Resp: 851
Ion Ratio Lower Upper
64 100
66 0.0 26.2 39.4#





#11

Tert butyl alcohol

Concen: 0.328 ug/l

RT: 5.287 min Scan# 51

Delta R.T. 0.006 min

Lab File: VN073567.D

Acq: 21 Jul 2022 20:03

Instrument :

MSVOA_N

ClientSampleId :

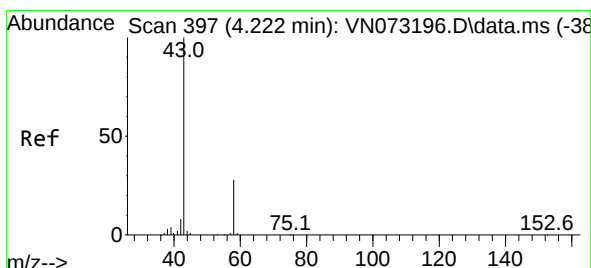
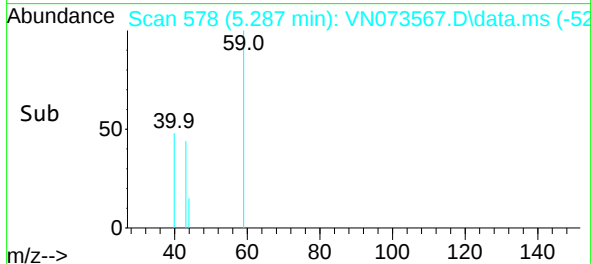
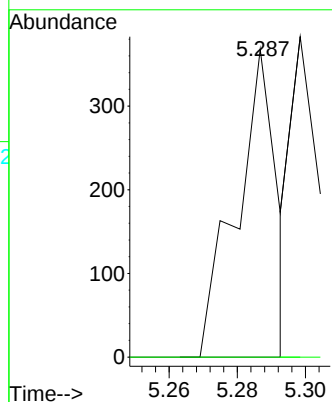
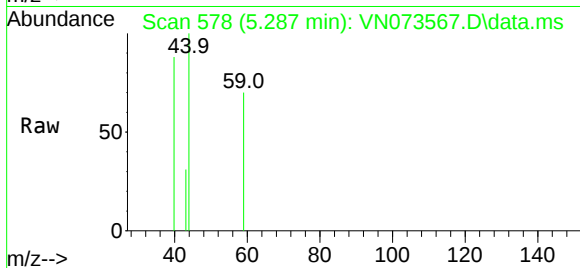
QUEENS4A-WC-20220720

Tgt Ion: 59 Resp: 303

Ion Ratio Lower Upper

59 100

57 0.0 8.3 12.5#



#16

Acetone

Concen: 7.741 ug/l

RT: 4.228 min Scan# 398

Delta R.T. 0.006 min

Lab File: VN073567.D

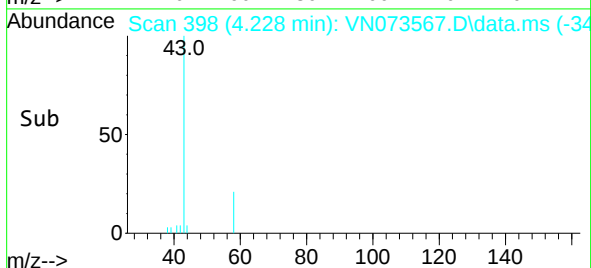
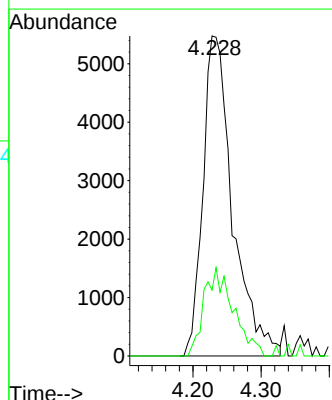
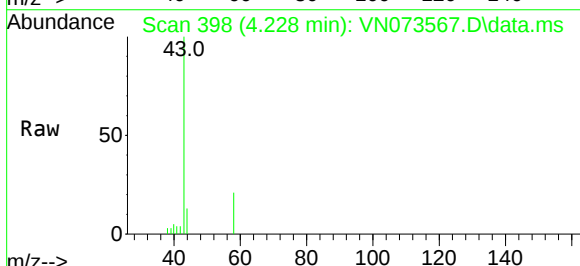
Acq: 21 Jul 2022 20:03

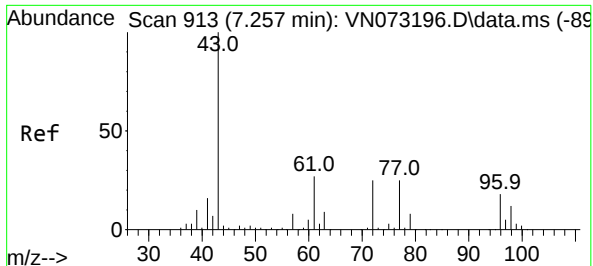
Tgt Ion: 43 Resp: 16589

Ion Ratio Lower Upper

43 100

58 20.6 26.0 39.0#





#25

2-Butanone

Concen: 1.086 ug/l

RT: 7.269 min Scan# 913

Delta R.T. 0.012 min

Lab File: VN073567.D

Acq: 21 Jul 2022 20:03

Instrument :

MSVOA_N

ClientSampleId :

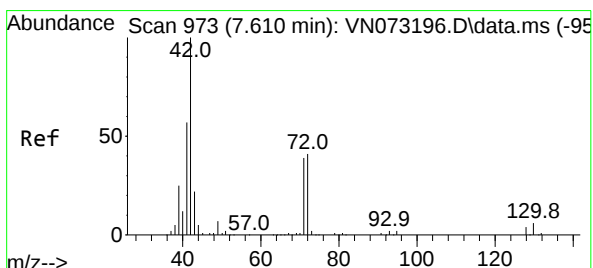
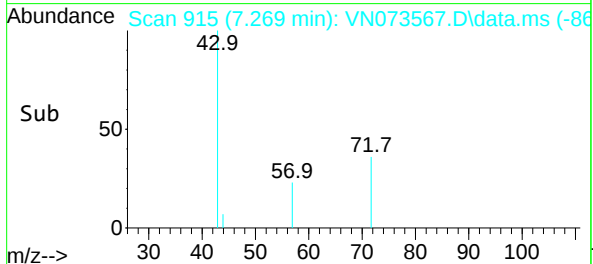
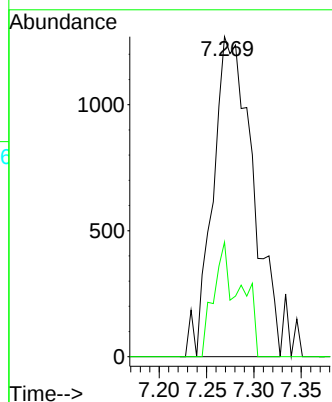
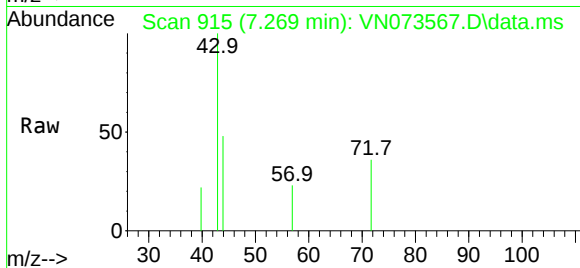
QUEENS4A-WC-20220720

Tgt Ion: 43 Resp: 3706

Ion Ratio Lower Upper

43 100

72 35.8 23.7 35.5#



#29

Tetrahydrofuran

Concen: 0.301 ug/l

RT: 7.634 min Scan# 977

Delta R.T. 0.024 min

Lab File: VN073567.D

Acq: 21 Jul 2022 20:03

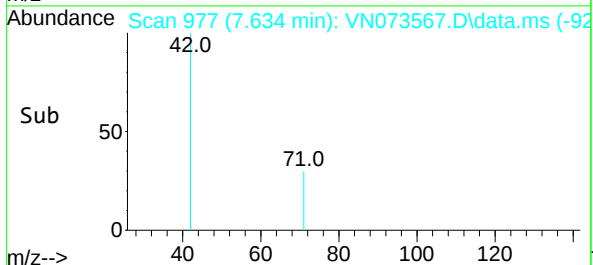
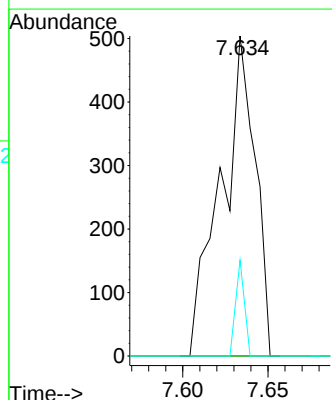
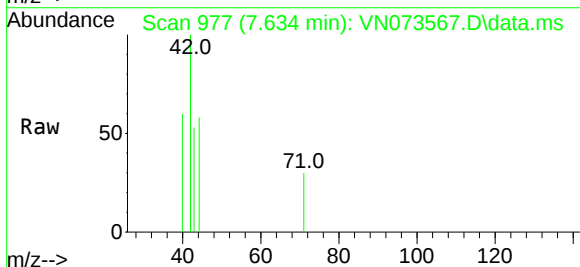
Tgt Ion: 42 Resp: 704

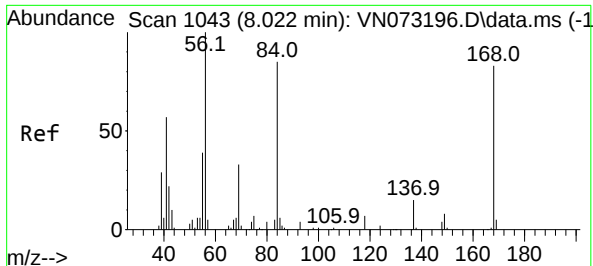
Ion Ratio Lower Upper

42 100

72 0.0 39.7 59.5#

71 7.5 36.6 55.0#





#31

Cyclohexane

Concen: 0.963 ug/l

RT: 8.010 min Scan# 1102

Delta R.T. -0.012 min

Lab File: VN073567.D

Acq: 21 Jul 2022 20:03

Instrument :

MSVOA_N

ClientSampleId :

QUEENS4A-WC-20220720

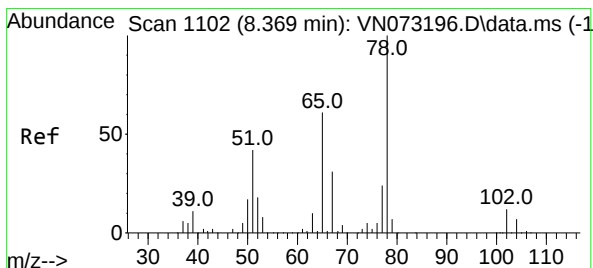
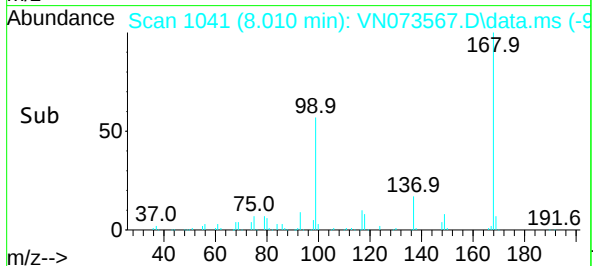
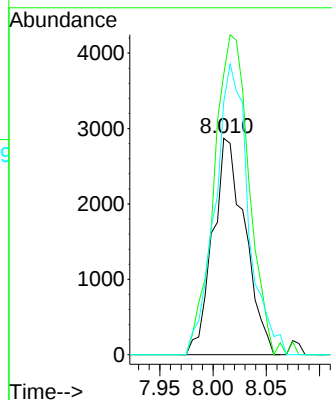
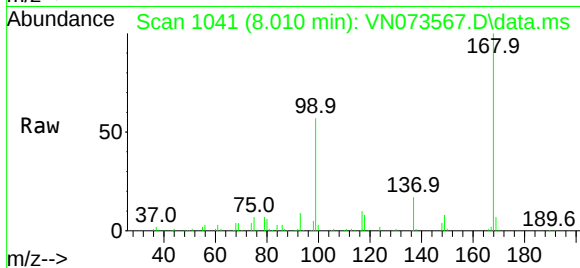
Tgt Ion: 56 Resp: 6022

Ion Ratio Lower Upper

56 100

69 129.5 27.8 41.8#

84 116.8 76.9 115.3#



#33

1,2-Dichloroethane-d4

Concen: 43.223 ug/l

RT: 8.369 min Scan# 1102

Delta R.T. -0.000 min

Lab File: VN073567.D

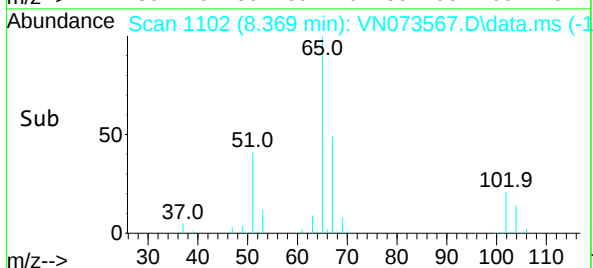
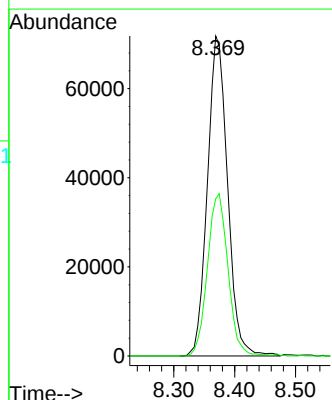
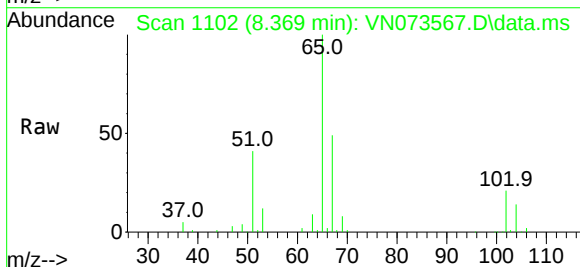
Acq: 21 Jul 2022 20:03

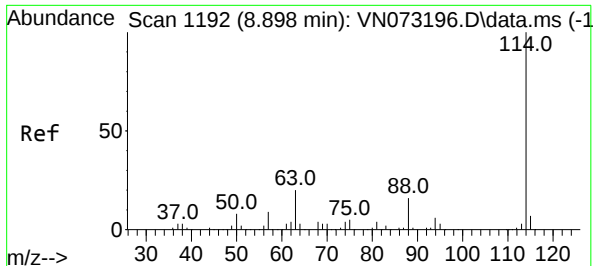
Tgt Ion: 65 Resp: 165026

Ion Ratio Lower Upper

65 100

67 51.6 0.0 104.8





#34

1,4-Difluorobenzene

Concen: 50.000 ug/l

RT: 8.904 min Scan# 1192

Delta R.T. 0.006 min

Lab File: VN073567.D

Acq: 21 Jul 2022 20:03

Instrument :

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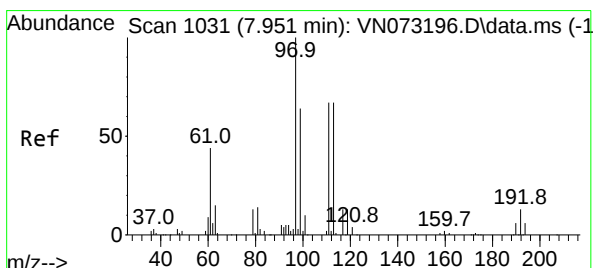
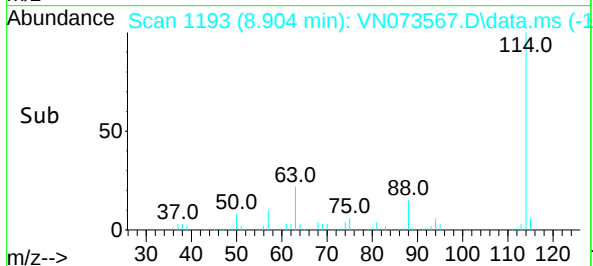
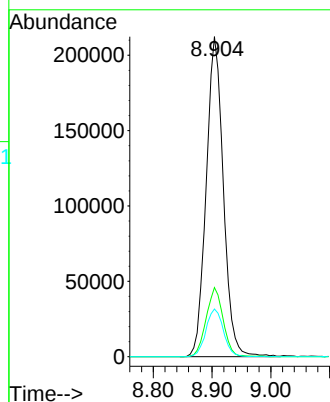
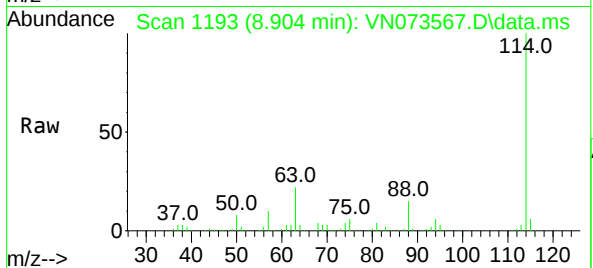
Tgt Ion:114 Resp: 431999

Ion Ratio Lower Upper

114 100

63 21.6 0.0 40.0

88 14.9 0.0 32.6



#35

Dibromofluoromethane

Concen: 48.123 ug/l

RT: 7.951 min Scan# 1031

Delta R.T. 0.000 min

Lab File: VN073567.D

Acq: 21 Jul 2022 20:03

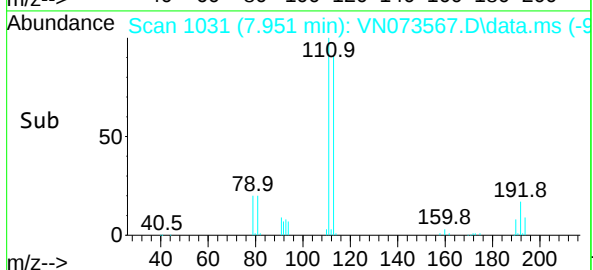
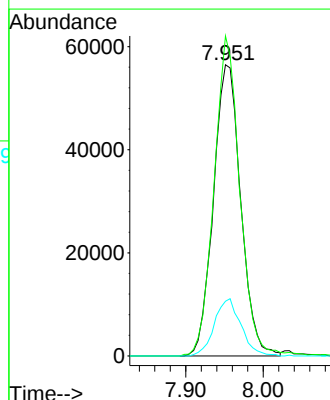
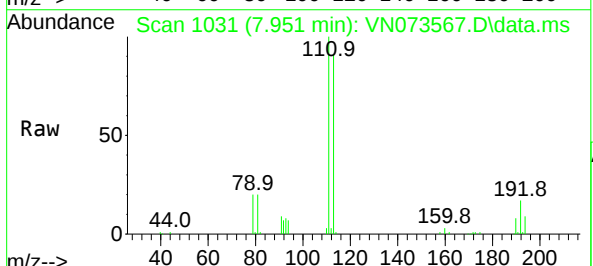
Tgt Ion:113 Resp: 138314

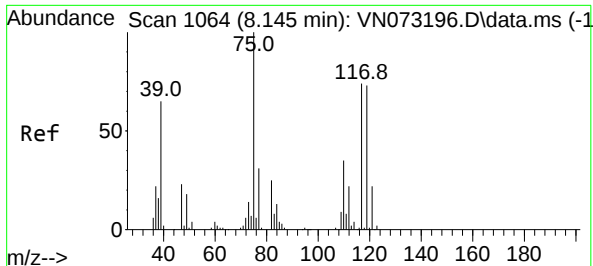
Ion Ratio Lower Upper

113 100

111 104.1 81.4 122.0

192 19.2 17.0 25.6





#36

1,1-Dichloropropene

Concen: 4.890 ug/l

RT: 8.016 min Scan# 1

Delta R.T. -0.129 min

Lab File: VN073567.D

Acq: 21 Jul 2022 20:03

Instrument :

MSVOA_N

ClientSampleId :

QUEENS4A-WC-20220720

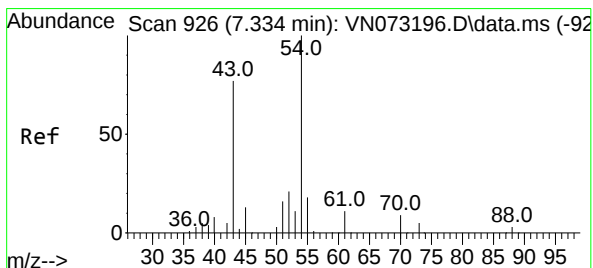
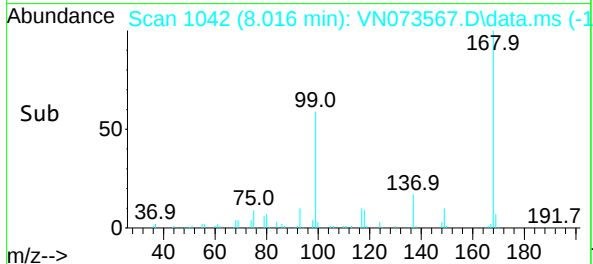
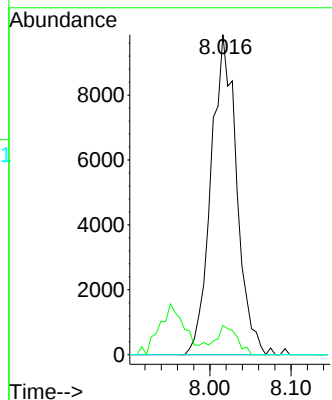
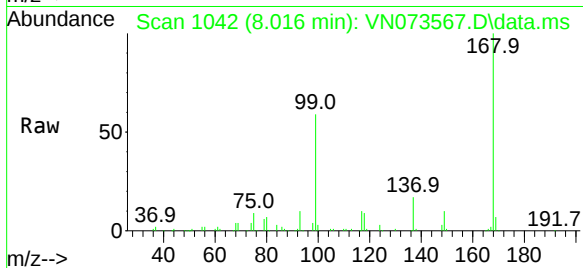
Tgt Ion: 75 Resp: 21624

Ion Ratio Lower Upper

75 100

110 8.2 18.3 54.8#

77 0.0 25.1 37.7#



#37

Ethyl Acetate

Concen: 0.555 ug/l

RT: 7.269 min Scan# 915

Delta R.T. -0.065 min

Lab File: VN073567.D

Acq: 21 Jul 2022 20:03

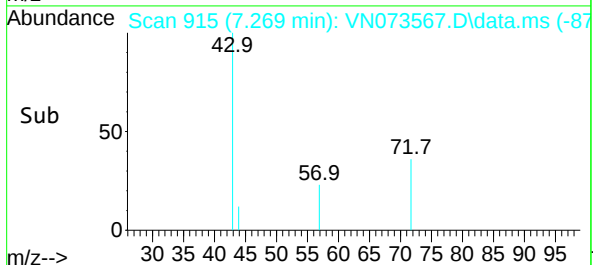
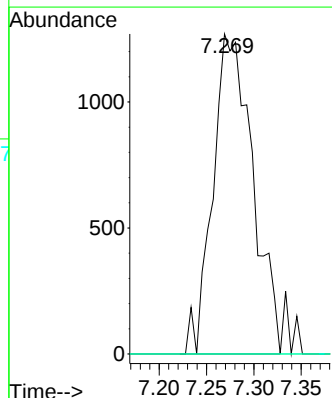
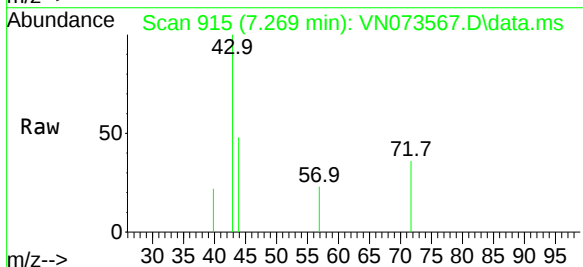
Tgt Ion: 43 Resp: 3706

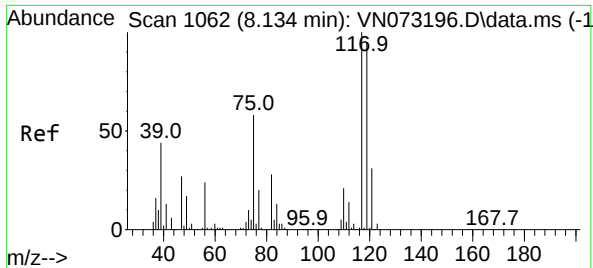
Ion Ratio Lower Upper

43 100

61 0.0 11.8 17.6#

70 0.0 9.3 13.9#

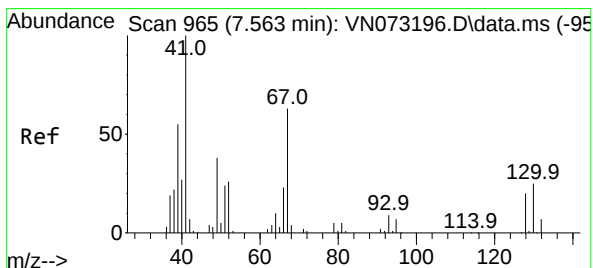
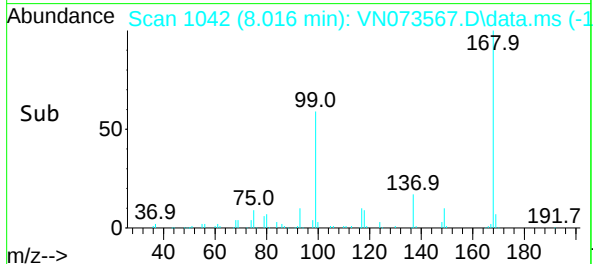
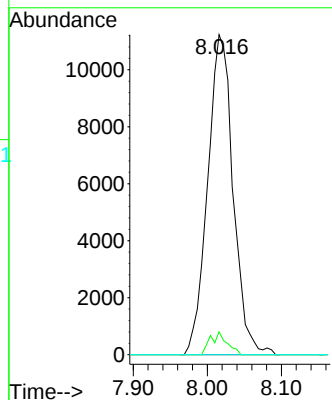
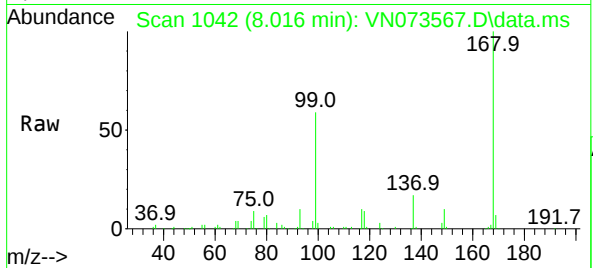




#38
Carbon Tetrachloride
Concen: 5.869 ug/l
RT: 8.016 min Scan# 1062
Delta R.T. -0.118 min
Lab File: VN073567.D
Acq: 21 Jul 2022 20:03

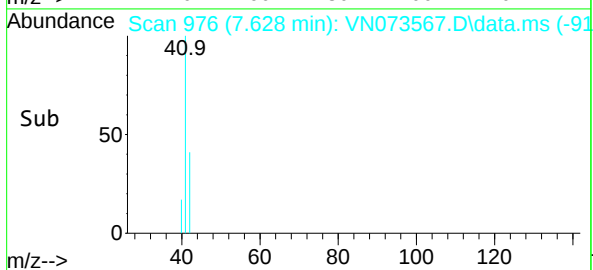
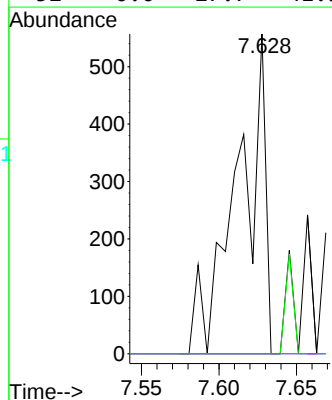
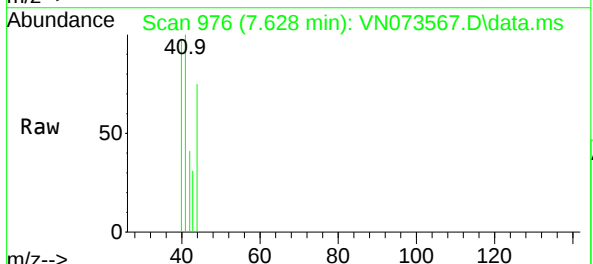
Instrument :
MSVOA_N
ClientSampleId :
QUEENS4A-WC-20220720

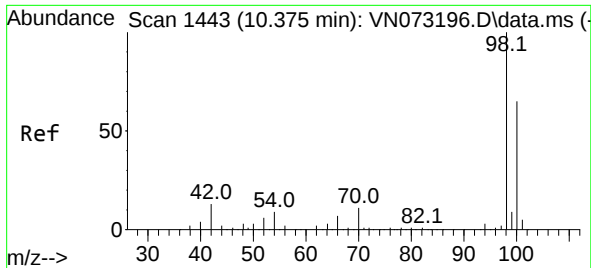
Tgt Ion:117 Resp: 26843
Ion Ratio Lower Upper
117 100
119 7.2 75.8 113.8#
121 0.0 24.6 37.0#



#41
Methacrylonitrile
Concen: 0.211 ug/l
RT: 7.628 min Scan# 976
Delta R.T. 0.065 min
Lab File: VN073567.D
Acq: 21 Jul 2022 20:03

Tgt Ion: 41 Resp: 685
Ion Ratio Lower Upper
41 100
39 0.0 48.6 73.0#
67 0.0 73.4 110.2#
52 0.0 27.7 41.5#

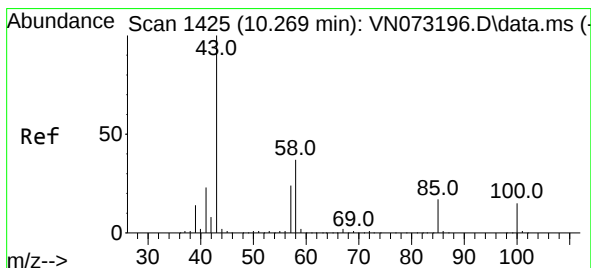
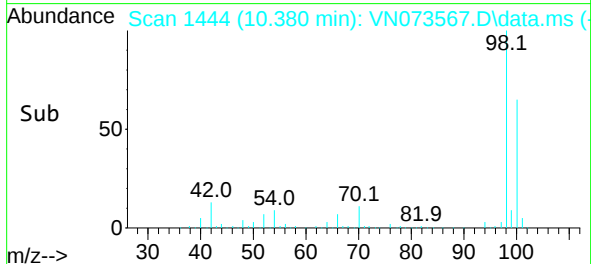
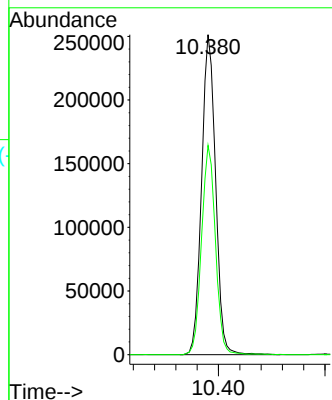
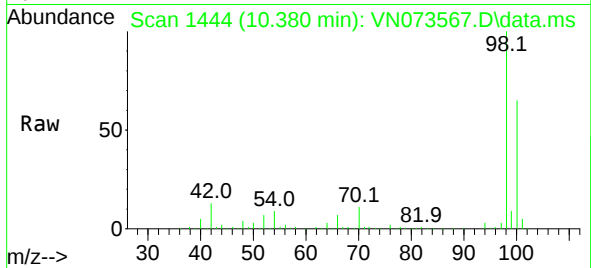




#50
Toluene-d8
Concen: 44.808 ug/l
RT: 10.380 min Scan# 1444
Delta R.T. 0.005 min
Lab File: VN073567.D
Acq: 21 Jul 2022 20:03

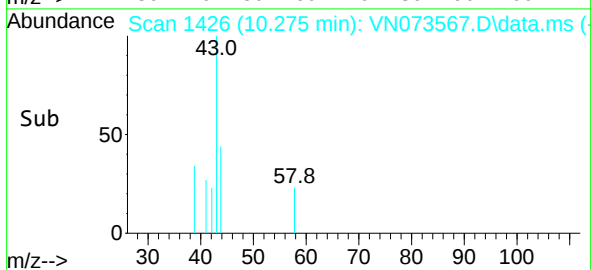
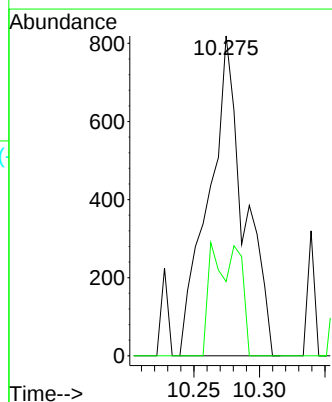
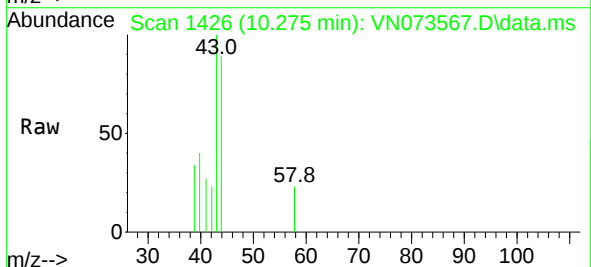
Instrument :
MSVOA_N
ClientSampleId :
QUEENS4A-WC-20220720

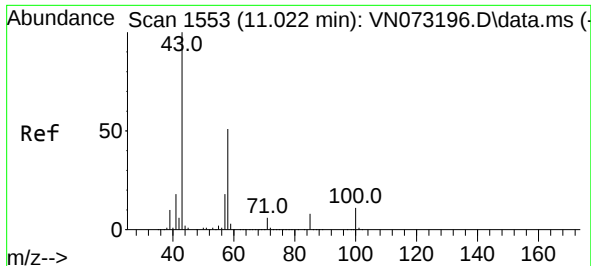
Tgt Ion: 98 Resp: 457396
Ion Ratio Lower Upper
98 100
100 64.9 52.6 78.8



#51
4-Methyl-2-Pentanone
Concen: 0.251 ug/l
RT: 10.275 min Scan# 1426
Delta R.T. 0.006 min
Lab File: VN073567.D
Acq: 21 Jul 2022 20:03

Tgt Ion: 43 Resp: 1531
Ion Ratio Lower Upper
43 100
58 16.1 34.1 51.1#

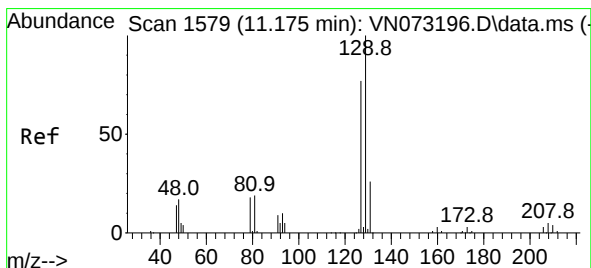
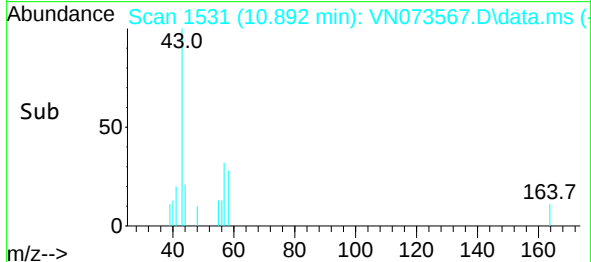
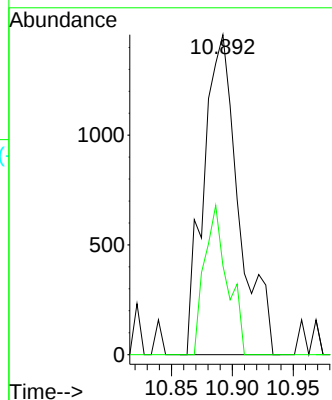
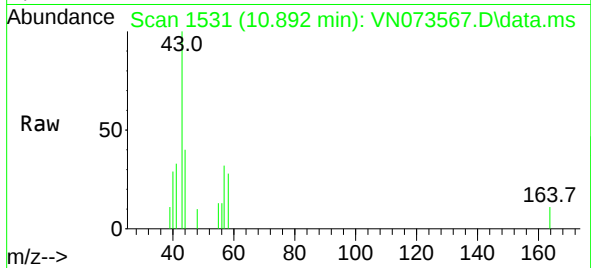




#59
2-Hexanone
Concen: 0.629 ug/l
RT: 10.892 min Scan# 1531
Delta R.T. -0.130 min
Lab File: VN073567.D
Acq: 21 Jul 2022 20:03

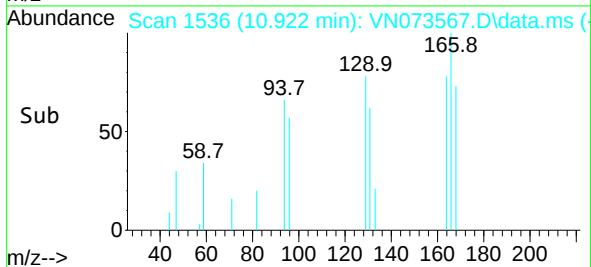
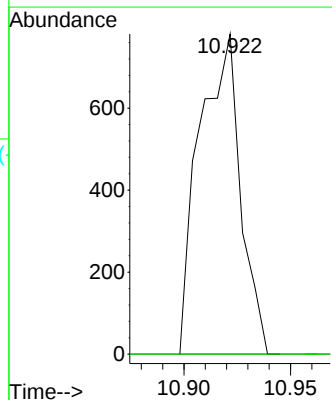
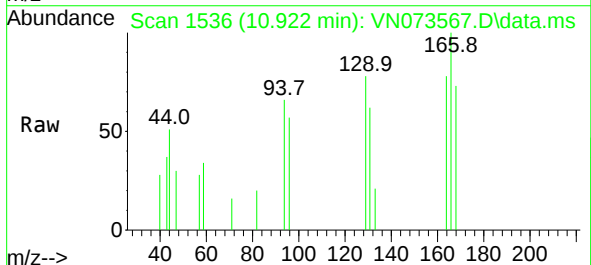
Instrument :
MSVOA_N
ClientSampleId :
QUEENS4A-WC-20220720

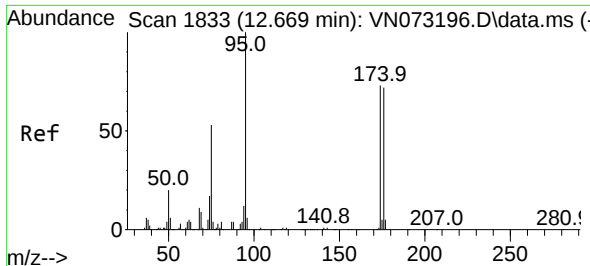
Tgt Ion: 43 Resp: 2918
Ion Ratio Lower Upper
43 100
58 30.7 29.7 89.1



#60
Dibromochloromethane
Concen: 0.315 ug/l
RT: 10.922 min Scan# 1536
Delta R.T. -0.253 min
Lab File: VN073567.D
Acq: 21 Jul 2022 20:03

Tgt Ion: 129 Resp: 1044
Ion Ratio Lower Upper
129 100
127 0.0 38.8 116.4#

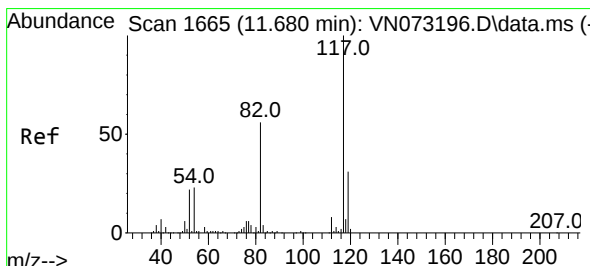
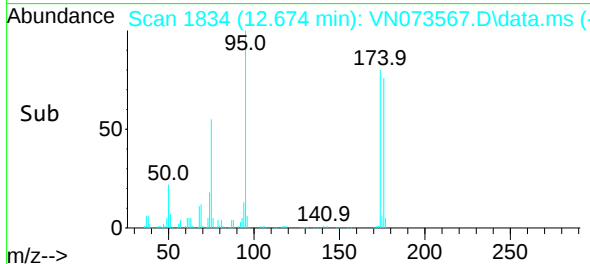
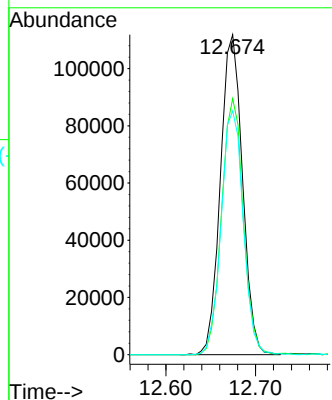
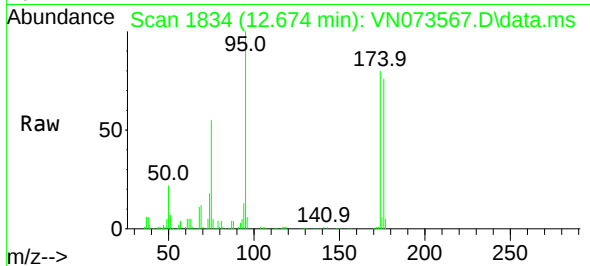




#62
4-Bromofluorobenzene
Concen: 48.648 ug/l
RT: 12.674 min Scan# 1834
Delta R.T. 0.005 min
Lab File: VN073567.D
Acq: 21 Jul 2022 20:03

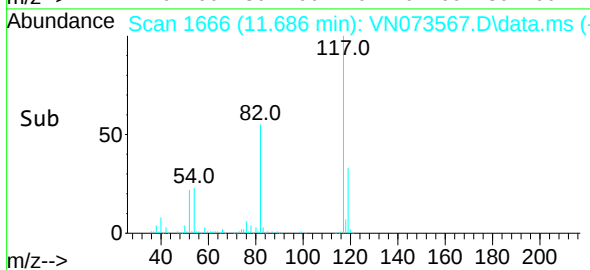
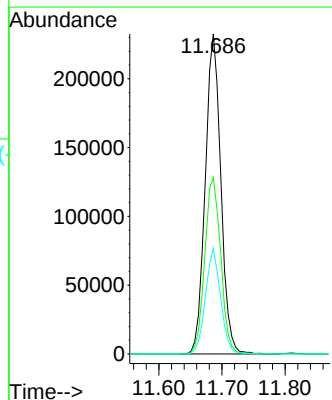
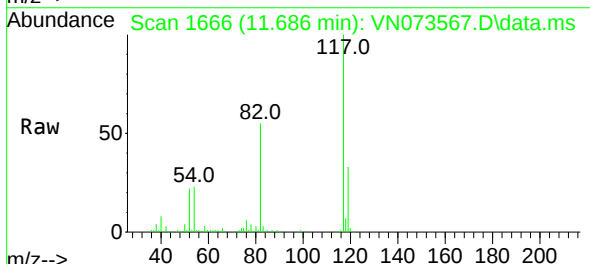
Instrument :
MSVOA_N
ClientSampleId :
QUEENS4A-WC-20220720

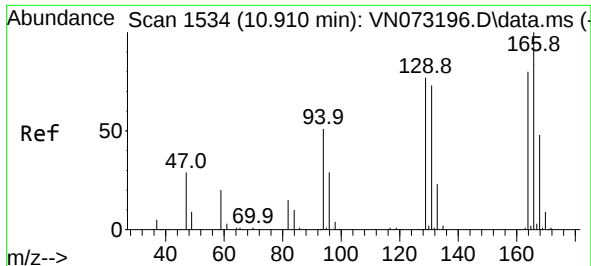
Tgt Ion: 95 Resp: 190842
Ion Ratio Lower Upper
95 100
174 78.8 0.0 167.6
176 76.5 0.0 163.4



#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 11.686 min Scan# 1666
Delta R.T. 0.006 min
Lab File: VN073567.D
Acq: 21 Jul 2022 20:03

Tgt Ion: 117 Resp: 398601
Ion Ratio Lower Upper
117 100
82 55.1 44.2 66.2
119 33.0 25.4 38.0

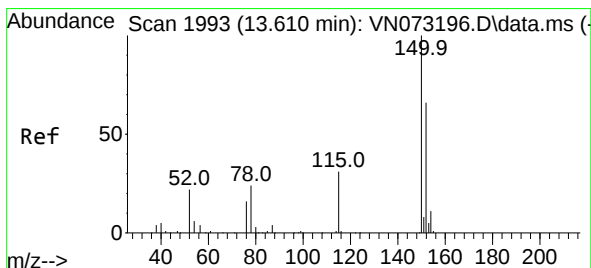
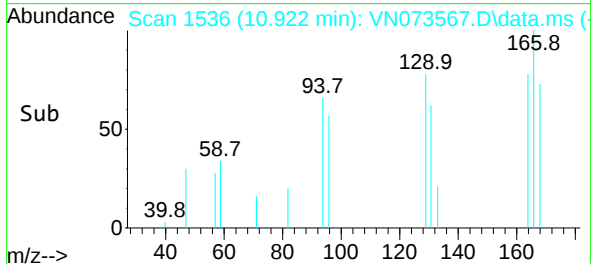
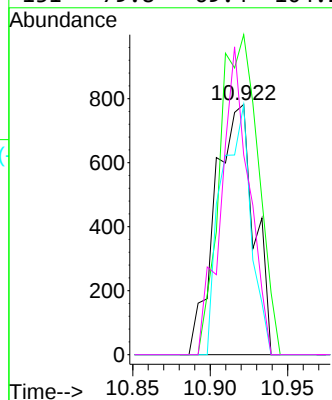
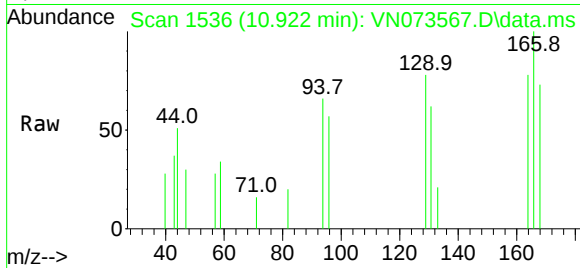




#64
Tetrachloroethene
Concen: 0.417 ug/l
RT: 10.922 min Scan# 11
Delta R.T. 0.012 min
Lab File: VN073567.D
Acq: 21 Jul 2022 20:03

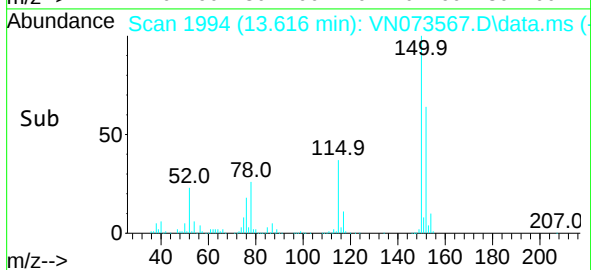
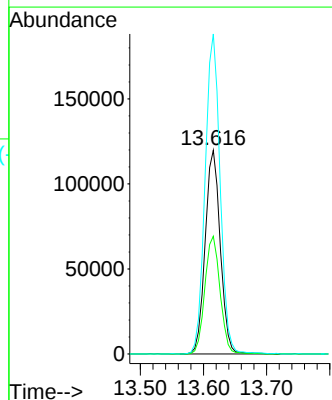
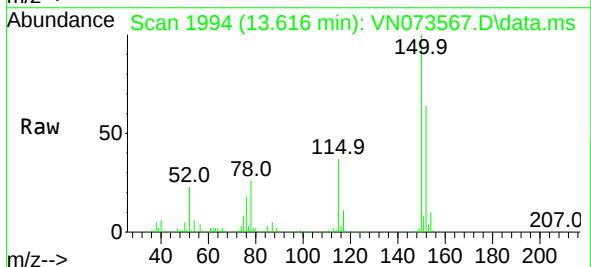
Instrument :
MSVOA_N
ClientSampleId :
QUEENS4A-WC-20220720

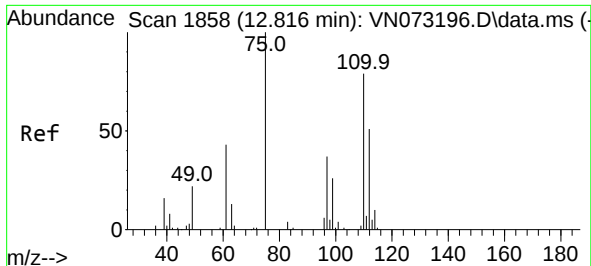
Tgt Ion:164 Resp: 1358
Ion Ratio Lower Upper
164 100
166 127.9 104.2 156.2
129 99.9 73.9 110.9
131 79.8 69.4 104.2



#72
1,4-Dichlorobenzene-d4
Concen: 50.000 ug/l
RT: 13.616 min Scan# 1994
Delta R.T. 0.006 min
Lab File: VN073567.D
Acq: 21 Jul 2022 20:03

Tgt Ion:152 Resp: 199442
Ion Ratio Lower Upper
152 100
115 58.2 28.9 86.7
150 155.9 0.0 356.2

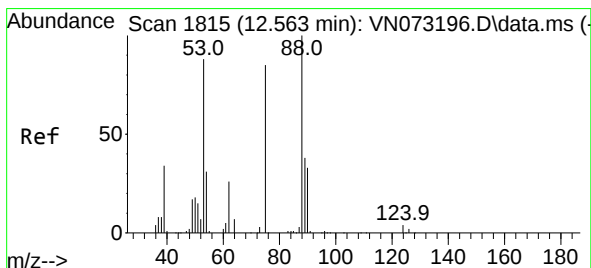
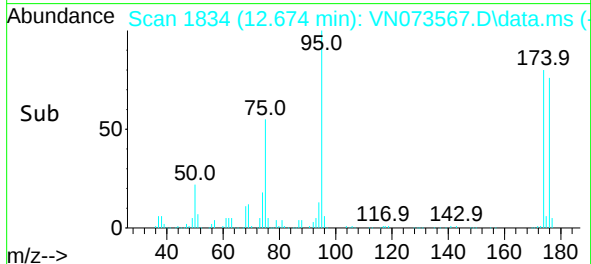
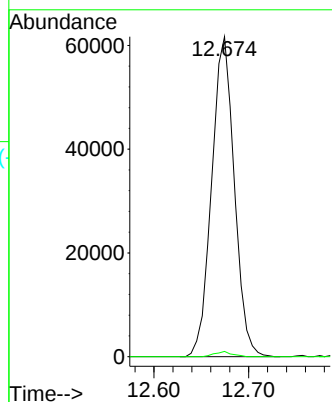
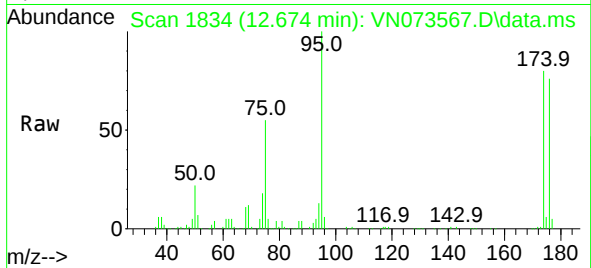




#76
1,2,3-Trichloropropane
Concen: 19.637 ug/l
RT: 12.674 min Scan# 1834
Delta R.T. -0.142 min
Lab File: VN073567.D
Acq: 21 Jul 2022 20:03

Instrument :
MSVOA_N
ClientSampleId :
QUEENS4A-WC-20220720

Tgt Ion: 75 Resp: 102407
Ion Ratio Lower Upper
75 100
77 1.2 98.5 295.5#



#81
trans-1,4-Dichloro-2-butene
Concen: 53.854 ug/l
RT: 12.674 min Scan# 1834
Delta R.T. 0.111 min
Lab File: VN073567.D
Acq: 21 Jul 2022 20:03

Tgt Ion: 75 Resp: 102407
Ion Ratio Lower Upper
75 100
53 0.0 78.0 117.0#
89 0.0 37.2 55.8#

