

Data Path : Z:\voasrv\HPCHEM1\MSVOA_N\Data\VN061822\
 Data File : VN072938.D
 Acq On : 18 Jun 2022 14:32
 Operator : JC\MD
 Sample : N3304-07
 Misc : 5.0mL/MSVOA_N/WATER
 ALS Vial : 1 Sample Multiplier: 1

Instrument :
 MSVOA_N
 ClientSampleId :
 WC-14A-1A-10

Quant Time: Jun 20 08:04:39 2022
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA_N\methods\82N061722W.M
 Quant Title : SW846 8260
 QLast Update : Sat Jun 18 06:22:45 2022
 Response via : Initial Calibration

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

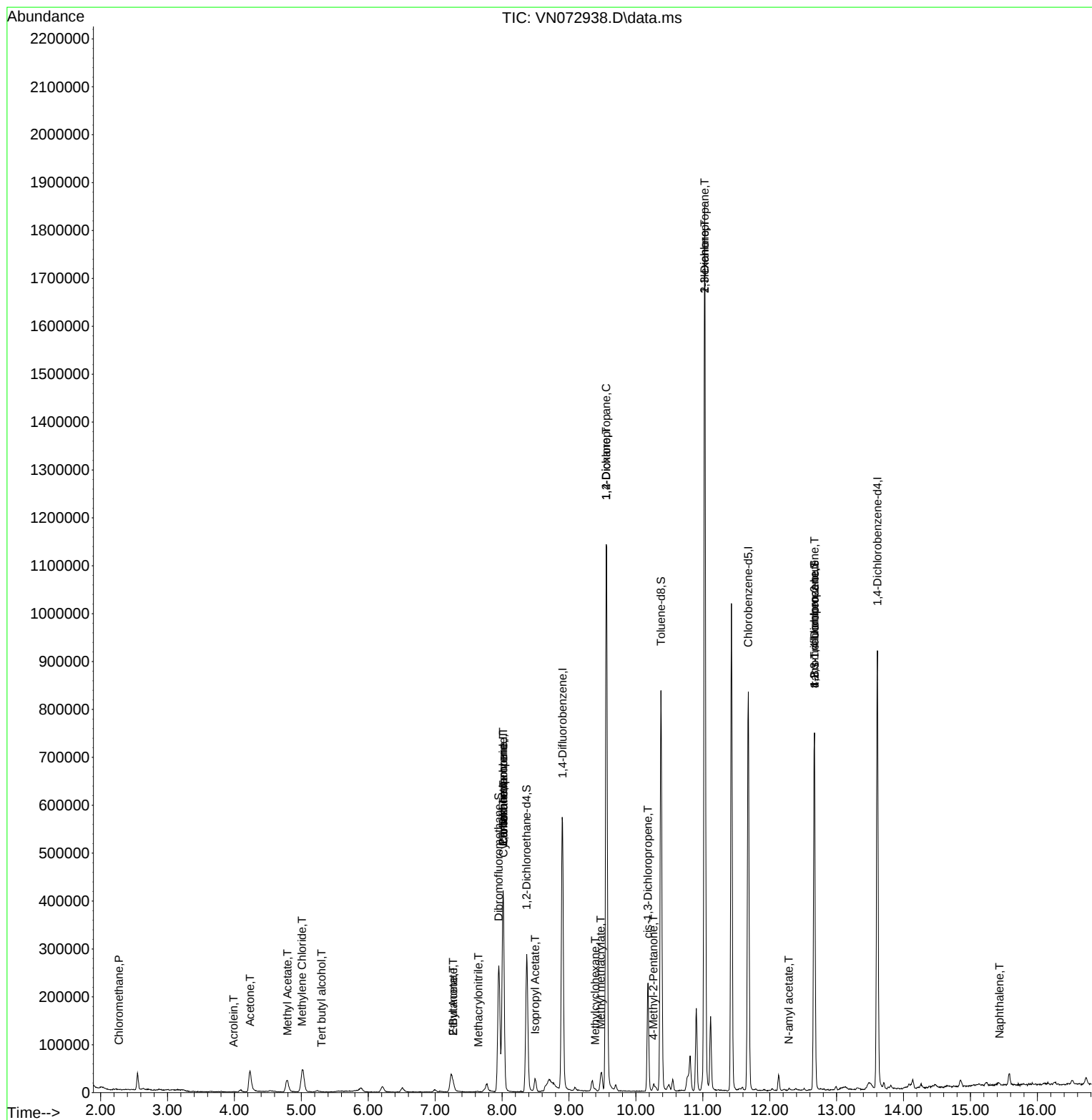
Internal Standards						
1) Pentafluorobenzene	8.016	168	325320	50.000	ug/l	0.00
34) 1,4-Difluorobenzene	8.904	114	518921	50.000	ug/l	0.00
63) Chlorobenzene-d5	11.680	117	483692	50.000	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.610	152	246357	50.000	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	8.369	65	240216	54.616	ug/l	0.00
Spiked Amount 50.000	Range 74 - 125		Recovery = 109.240%			
35) Dibromofluoromethane	7.951	113	201068	62.689	ug/l	0.00
Spiked Amount 50.000	Range 75 - 124		Recovery = 125.380%#			
50) Toluene-d8	10.375	98	583087	48.856	ug/l	0.00
Spiked Amount 50.000	Range 86 - 113		Recovery = 97.720%			
62) 4-Bromofluorobenzene	12.669	95	256505	59.769	ug/l	0.00
Spiked Amount 50.000	Range 83 - 123		Recovery = 119.540%			
Target Compounds					Qvalue	
3) Chloromethane	2.275	50	597	0.747	ug/l #	43
11) Tert butyl alcohol	5.304	59	474	0.417	ug/l #	72
13) Acrolein	3.987	56	453	1.012	ug/l	86
16) Acetone	4.234	43	80065	33.116	ug/l	92
18) Methyl Acetate	4.793	43	53647	8.333	ug/l	94
20) Methylene Chloride	5.010	84	38998	10.207	ug/l	98
25) 2-Butanone	7.269	43	24585	6.408	ug/l #	85
26) 2,2-Dichloropropane	7.228	77	2324	Below Cal	#	53
31) Cyclohexane	8.022	56	8140	1.368	ug/l #	49
36) 1,1-Dichloropropene	8.016	75	25631	5.906	ug/l #	48
37) Ethyl Acetate	7.269	43	24585	3.542	ug/l #	67
38) Carbon Tetrachloride	8.016	117	31568	6.915	ug/l #	17
39) Methylcyclohexane	9.392	83	1958	0.374	ug/l	87
41) Methacrylonitrile	7.645	41	718	0.218	ug/l #	16
43) Isopropyl Acetate	8.492	43	31219	3.146	ug/l #	87
45) 1,2-Dichloropropane	9.557	63	1358	0.390	ug/l #	44
48) Methyl methacrylate	9.475	41	14006	3.091	ug/l #	21
49) 1,4-Dioxane	9.557	88	55	0.540	ug/l #	1
51) 4-Methyl-2-Pentanone	10.263	43	16849	2.604	ug/l #	70
54) cis-1,3-Dichloropropene	10.180	75	41051	7.459	ug/l #	67
57) 1,3-Dichloropropane	11.027	76	18267	2.995	ug/l #	43
59) 2-Hexanone	11.027	43	296414	59.225	ug/l #	44
74) N-amyl acetate	12.286	43	2309	0.233	ug/l #	48
76) 1,2,3-Trichloropropane	12.669	75	131669	22.044	ug/l #	1
81) trans-1,4-Dichloro-2-b...	12.669	75	131669	59.534	ug/l #	10
92) 1,2-Dibromo-3-Chloropr...	14.586	75	65	Below Cal	#	1
95) Naphthalene	15.433	128	5815	0.306	ug/l #	92

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

Data Path : Z:\voasrv\HPCHEM1\MSVOA_N\Data\VN061822\
Data File : VN072938.D
Acq On : 18 Jun 2022 14:32
Operator : JC\MD
Sample : N3304-07
Misc : 5.0mL/MSVOA_N/WATER
ALS Vial : 1 Sample Multiplier: 1

Instrument :
MSVOA_N
ClientSampleId :
WC-14A-1A-10

Quant Time: Jun 20 08:04:39 2022
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_N\methods\82N061722W.M
Quant Title : SW846 8260
QLast Update : Sat Jun 18 06:22:45 2022
Response via : Initial Calibration

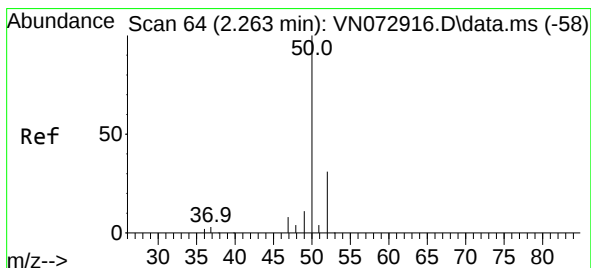
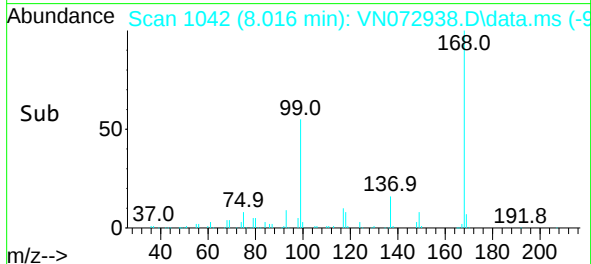
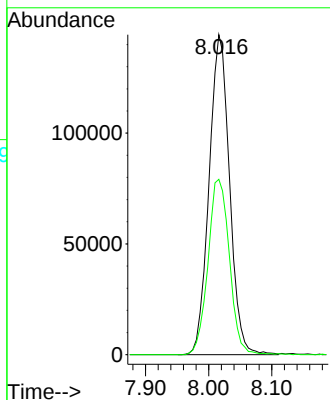
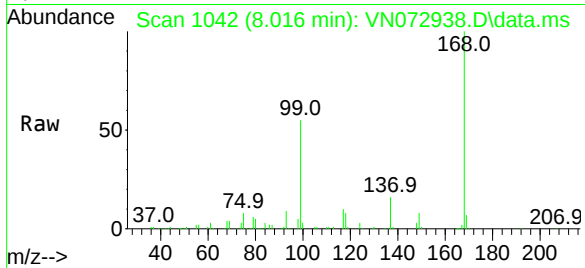




#1
Pentafluorobenzene
Concen: 50.000 ug/l
RT: 8.016 min Scan# 1042
Delta R.T. -0.000 min
Lab File: VN072938.D
Acq: 18 Jun 2022 14:32

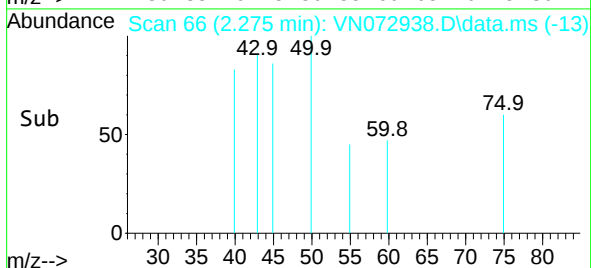
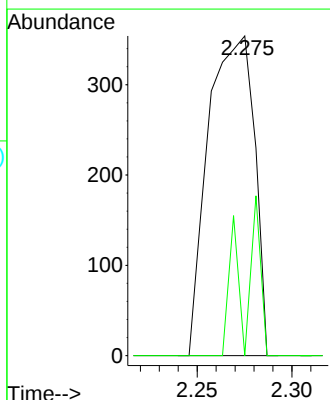
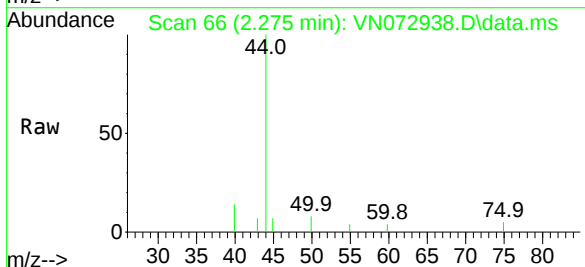
Instrument :
MSVOA_N
ClientSampleId :
WC-14A-1A-10

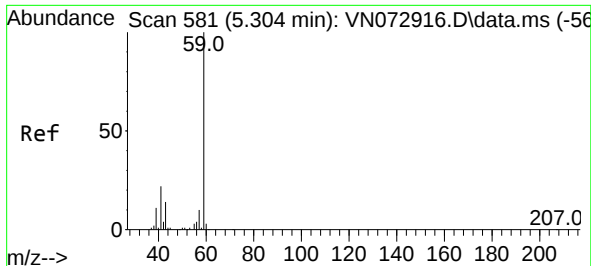
Tgt Ion:168 Resp: 325320
Ion Ratio Lower Upper
168 100
99 54.8 42.3 63.5



#3
Chloromethane
Concen: 0.747 ug/l
RT: 2.275 min Scan# 66
Delta R.T. 0.012 min
Lab File: VN072938.D
Acq: 18 Jun 2022 14:32

Tgt Ion: 50 Resp: 597
Ion Ratio Lower Upper
50 100
52 0.0 25.7 38.5#

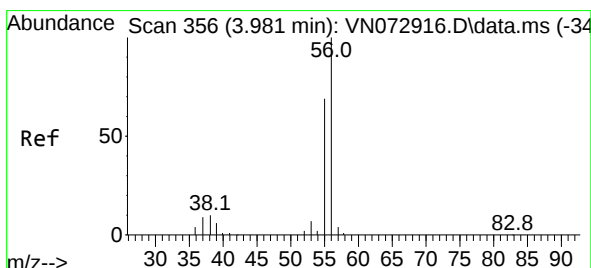
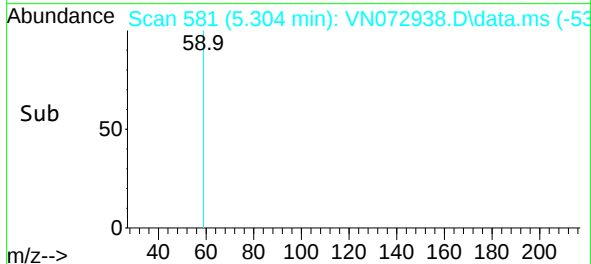
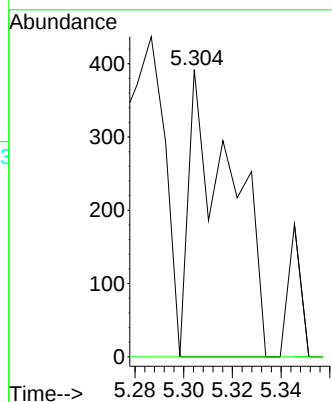
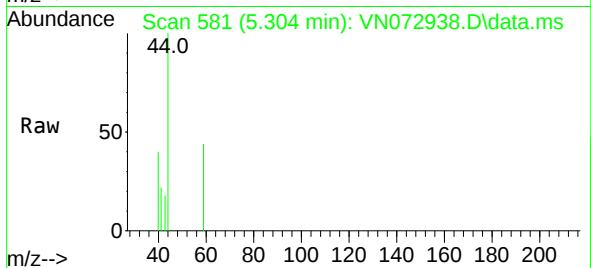




#11
Tert butyl alcohol
Concen: 0.417 ug/l
RT: 5.304 min Scan# 581
Delta R.T. 0.000 min
Lab File: VN072938.D
Acq: 18 Jun 2022 14:32

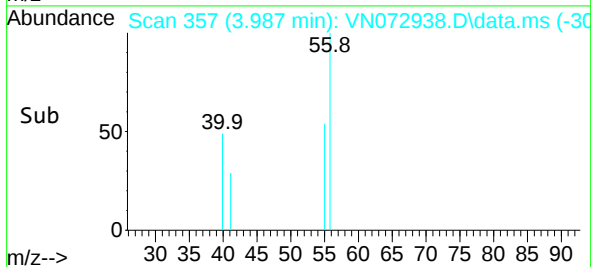
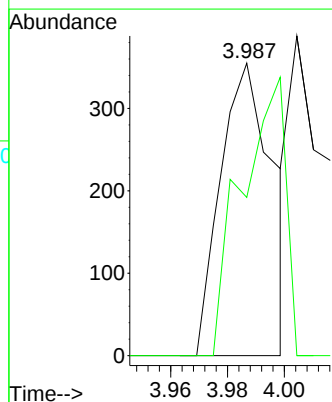
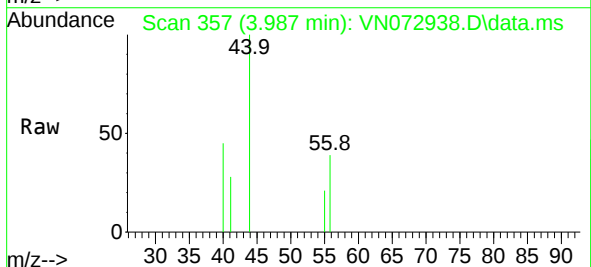
Instrument :
MSVOA_N
ClientSampleId :
WC-14A-1A-10

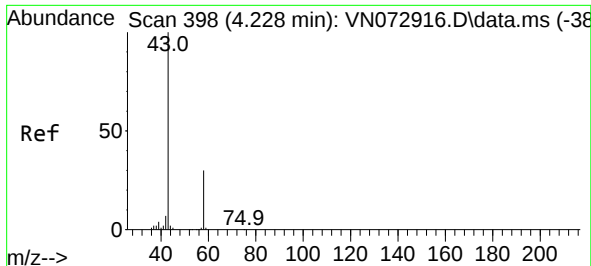
Tgt Ion: 59 Resp: 474
Ion Ratio Lower Upper
59 100
57 0.0 8.3 12.5#



#13
Acrolein
Concen: 1.012 ug/l
RT: 3.987 min Scan# 357
Delta R.T. 0.006 min
Lab File: VN072938.D
Acq: 18 Jun 2022 14:32

Tgt Ion: 56 Resp: 453
Ion Ratio Lower Upper
56 100
55 80.1 54.8 82.2

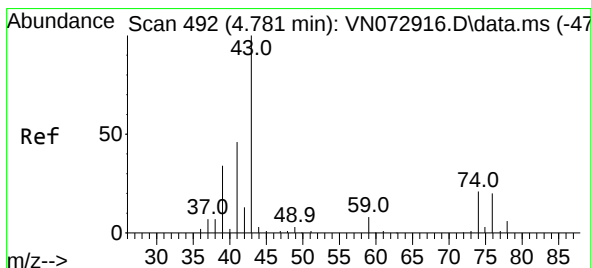
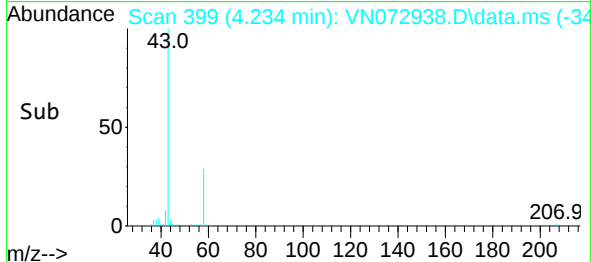
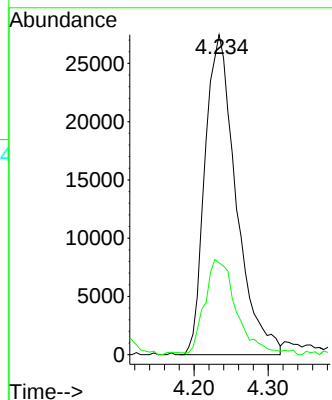
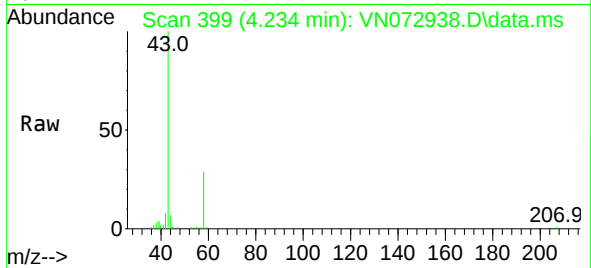




#16
Acetone
Concen: 33.116 ug/l
RT: 4.234 min Scan# 399
Delta R.T. 0.006 min
Lab File: VN072938.D
Acq: 18 Jun 2022 14:32

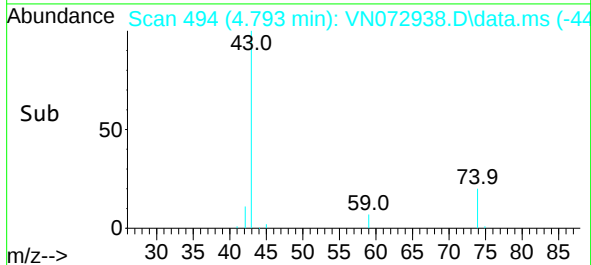
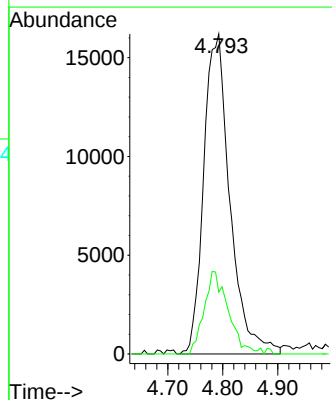
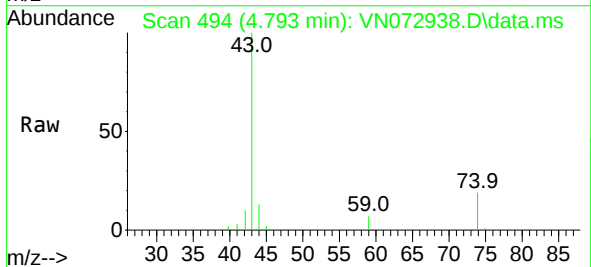
Instrument :
MSVOA_N
ClientSampleId :
WC-14A-1A-10

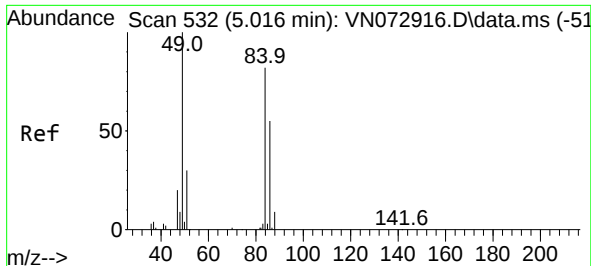
Tgt Ion: 43 Resp: 80065
Ion Ratio Lower Upper
43 100
58 28.1 26.0 39.0



#18
Methyl Acetate
Concen: 8.333 ug/l
RT: 4.793 min Scan# 494
Delta R.T. 0.012 min
Lab File: VN072938.D
Acq: 18 Jun 2022 14:32

Tgt Ion: 43 Resp: 53647
Ion Ratio Lower Upper
43 100
74 23.7 21.6 32.4

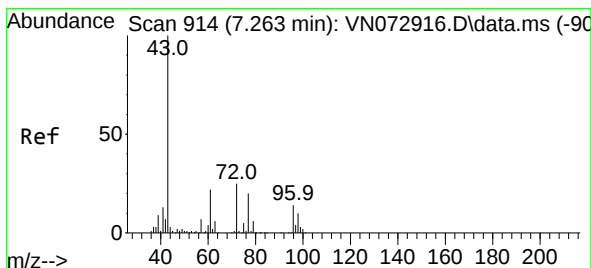
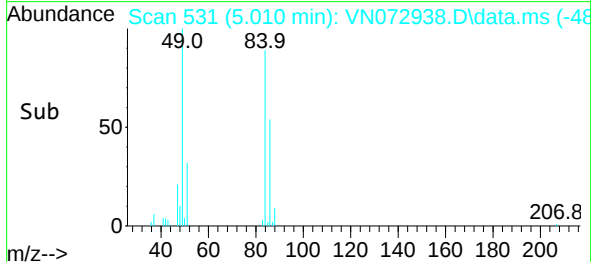
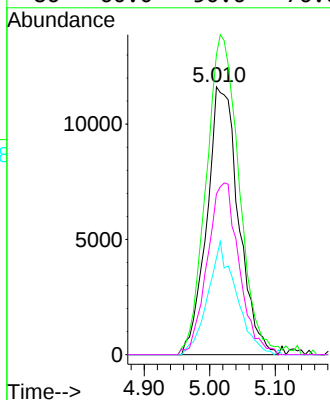
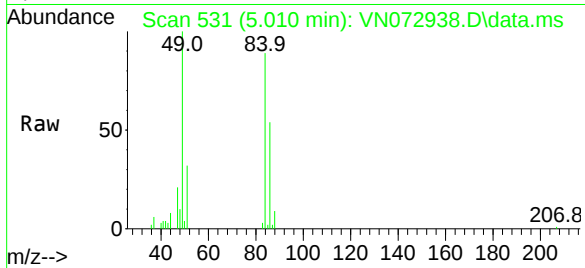




#20
Methylene Chloride
Concen: 10.207 ug/l
RT: 5.010 min Scan# 51
Delta R.T. -0.006 min
Lab File: VN072938.D
Acq: 18 Jun 2022 14:32

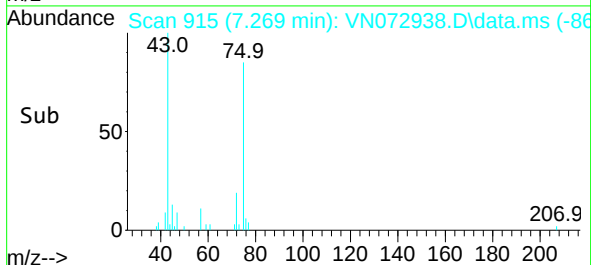
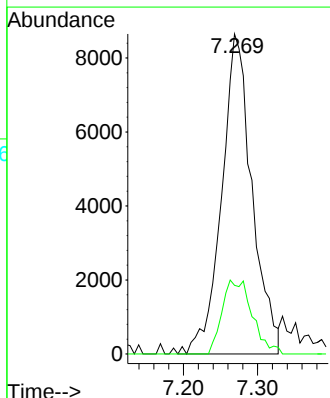
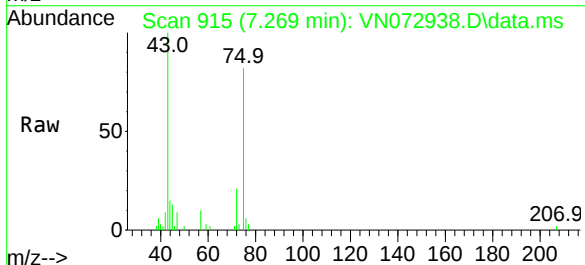
Instrument :
MSVOA_N
ClientSampleId :
WC-14A-1A-10

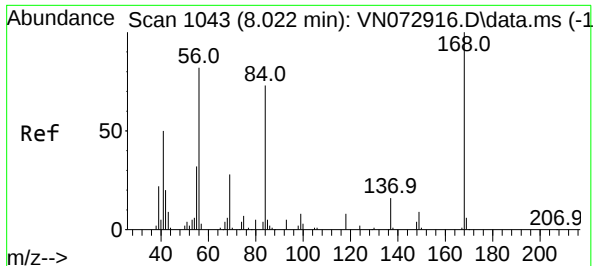
Tgt Ion:	84	Resp:	38998
Ion	Ratio	Lower	Upper
84	100		
49	111.9	88.3	132.5
51	36.1	28.2	42.2
86	60.0	50.6	76.0



#25
2-Butanone
Concen: 6.408 ug/l
RT: 7.269 min Scan# 915
Delta R.T. 0.006 min
Lab File: VN072938.D
Acq: 18 Jun 2022 14:32

Tgt Ion:	43	Resp:	24585
Ion	Ratio	Lower	Upper
43	100		
72	21.4	23.7	35.5

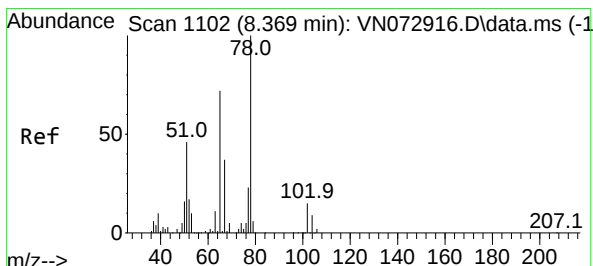
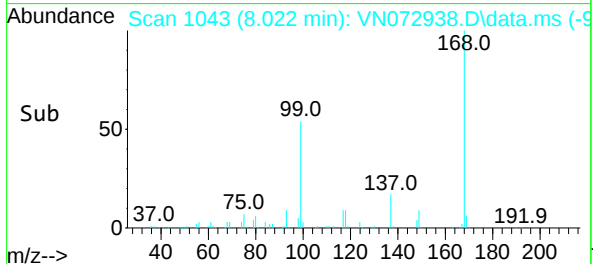
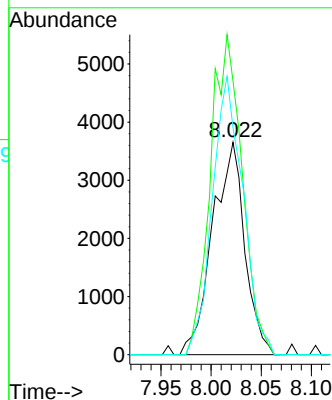
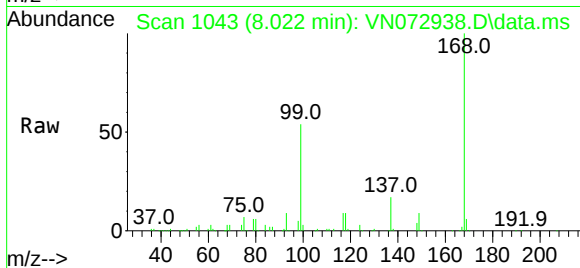




#31
Cyclohexane
Concen: 1.368 ug/l
RT: 8.022 min Scan# 1043
Delta R.T. 0.000 min
Lab File: VN072938.D
Acq: 18 Jun 2022 14:32

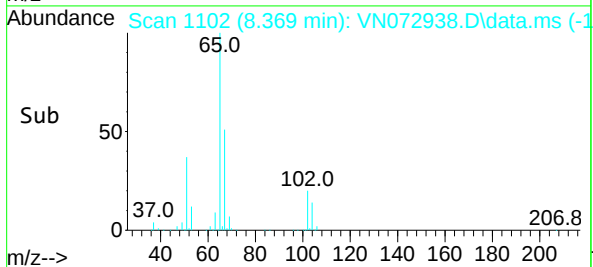
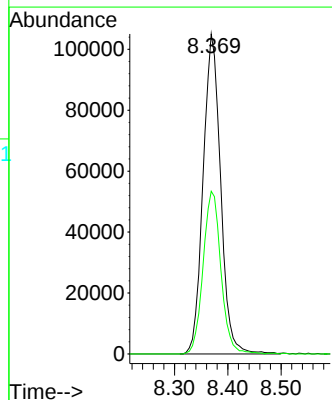
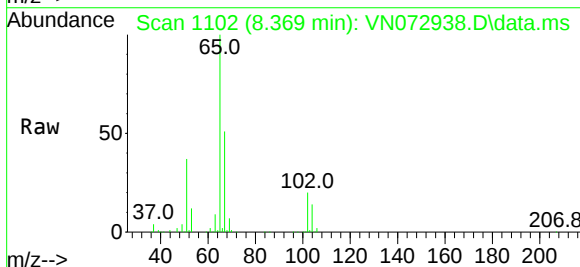
Instrument :
MSVOA_N
ClientSampleId :
WC-14A-1A-10

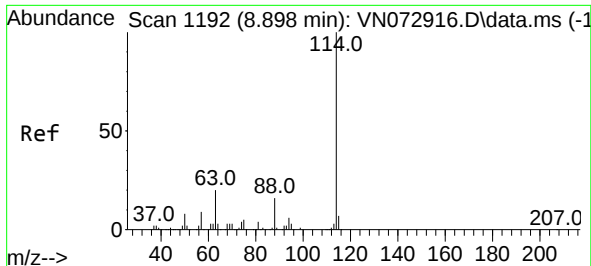
Tgt Ion: 56 Resp: 8140
Ion Ratio Lower Upper
56 100
69 128.8 27.8 41.8#
84 106.8 76.9 115.3



#33
1,2-Dichloroethane-d4
Concen: 54.616 ug/l
RT: 8.369 min Scan# 1102
Delta R.T. 0.000 min
Lab File: VN072938.D
Acq: 18 Jun 2022 14:32

Tgt Ion: 65 Resp: 240216
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# 1192

Delta R.T. 0.006 min

Lab File: VN072938.D

Acq: 18 Jun 2022 14:32

Instrument :

MSVOA_N

ClientSampleId :

WC-14A-1A-10

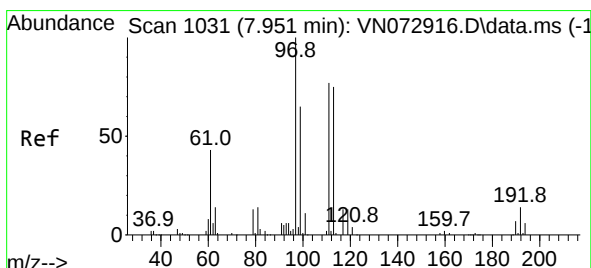
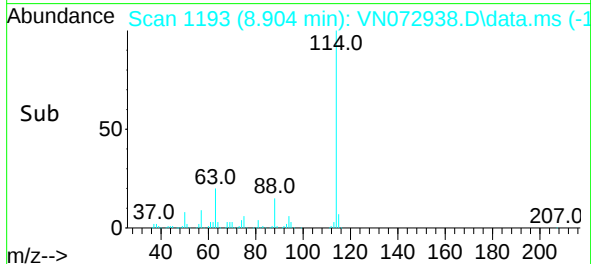
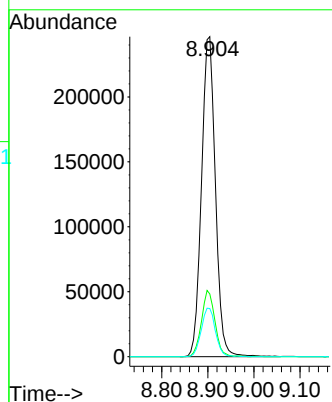
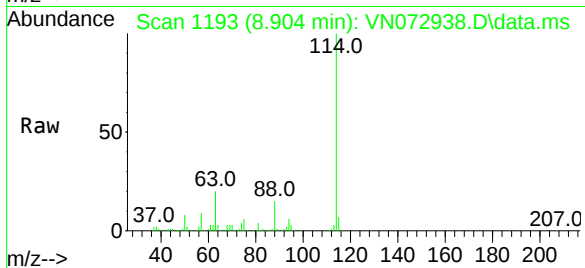
Tgt Ion:114 Resp: 518921

Ion Ratio Lower Upper

114 100

63 19.6 0.0 40.0

88 15.0 0.0 32.6



#35

Dibromofluoromethane

Concen: 62.689 ug/l

RT: 7.951 min Scan# 1031

Delta R.T. 0.000 min

Lab File: VN072938.D

Acq: 18 Jun 2022 14:32

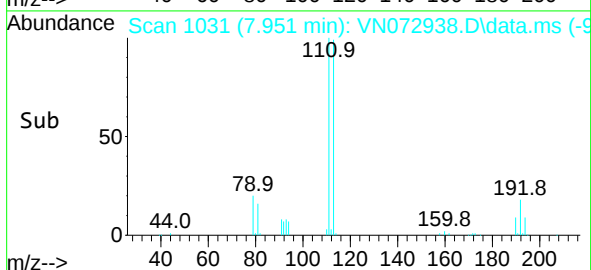
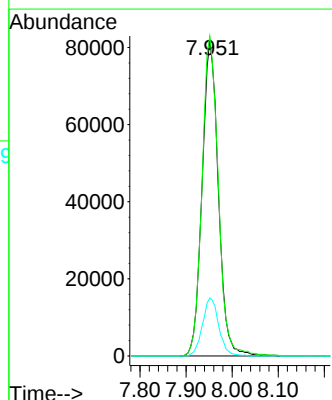
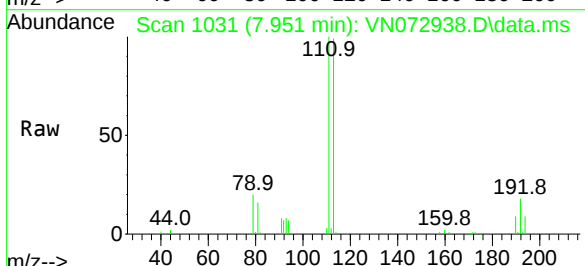
Tgt Ion:113 Resp: 201068

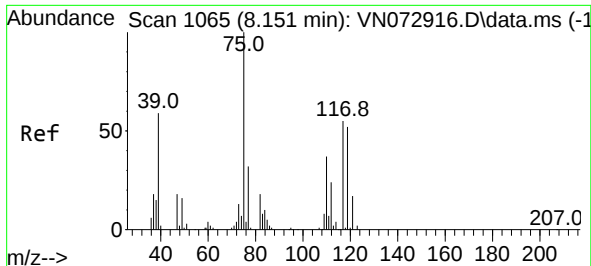
Ion Ratio Lower Upper

113 100

111 101.9 81.4 122.0

192 18.4 17.0 25.6





#36

1,1-Dichloropropene

Concen: 5.906 ug/l

RT: 8.016 min Scan# 1

Delta R.T. -0.135 min

Lab File: VN072938.D

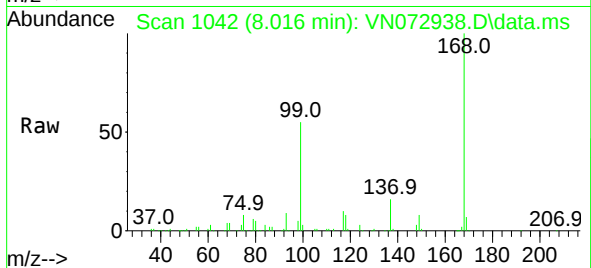
Acq: 18 Jun 2022 14:32

Instrument :

MSVOA_N

ClientSampleId :

WC-14A-1A-10



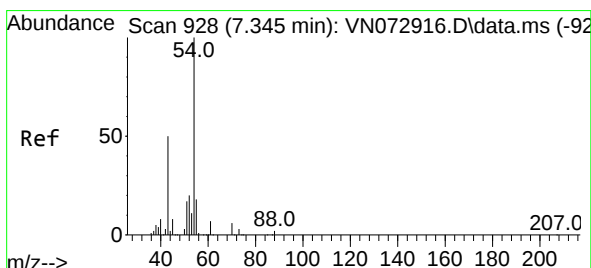
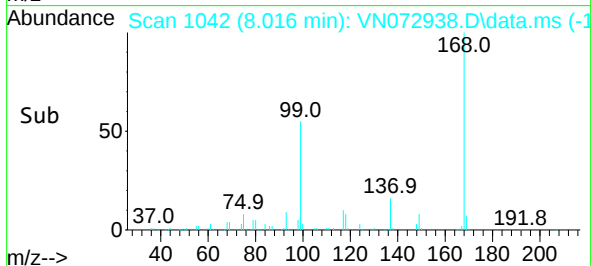
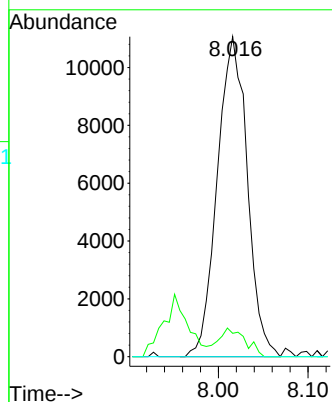
Tgt Ion: 75 Resp: 25631

Ion Ratio Lower Upper

75 100

110 8.2 18.3 54.8#

77 0.0 25.1 37.7#



#37

Ethyl Acetate

Concen: 3.542 ug/l

RT: 7.269 min Scan# 915

Delta R.T. -0.076 min

Lab File: VN072938.D

Acq: 18 Jun 2022 14:32

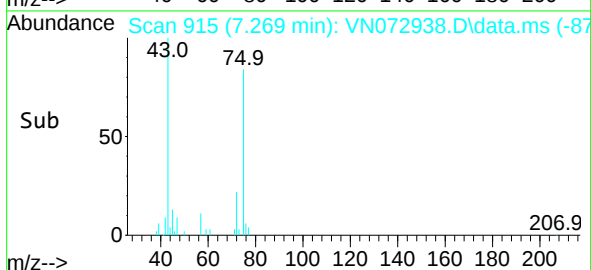
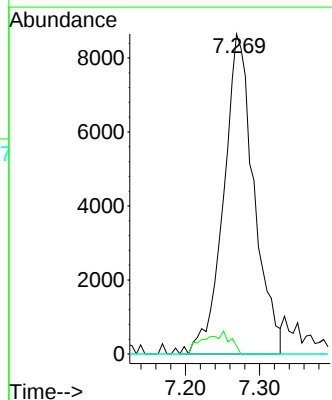
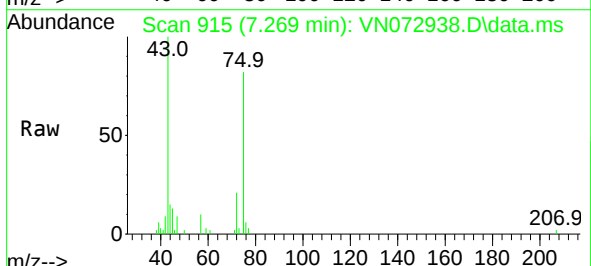
Tgt Ion: 43 Resp: 24585

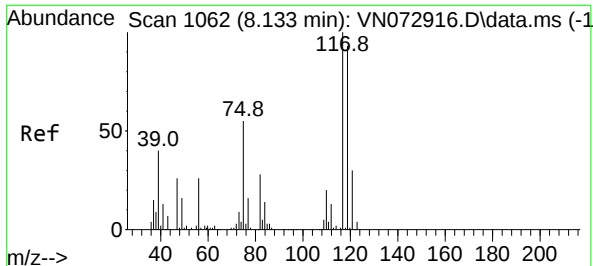
Ion Ratio Lower Upper

43 100

61 0.0 11.8 17.6#

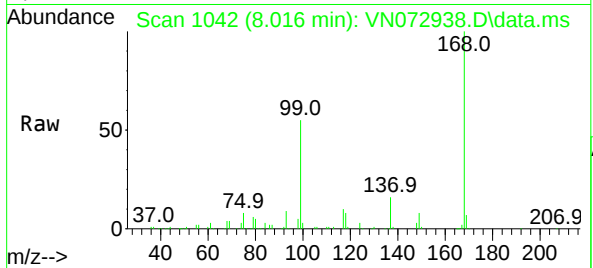
70 0.0 9.3 13.9#



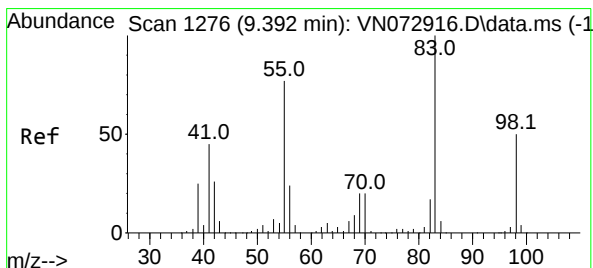
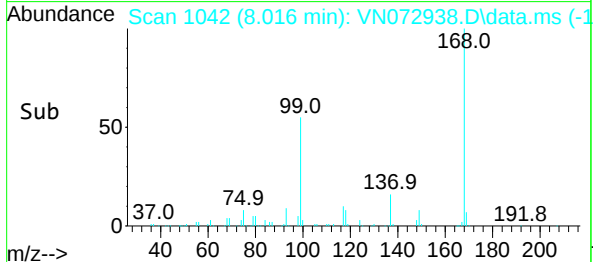
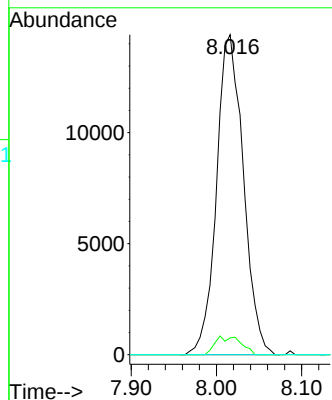


#38
Carbon Tetrachloride
Concen: 6.915 ug/l
RT: 8.016 min Scan# 1042
Delta R.T. -0.117 min
Lab File: VN072938.D
Acq: 18 Jun 2022 14:32

Instrument :
MSVOA_N
ClientSampleId :
WC-14A-1A-10

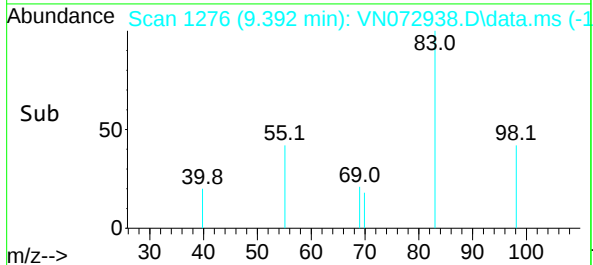
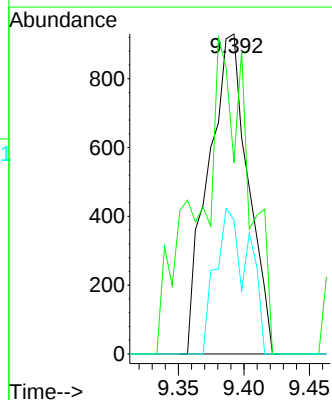
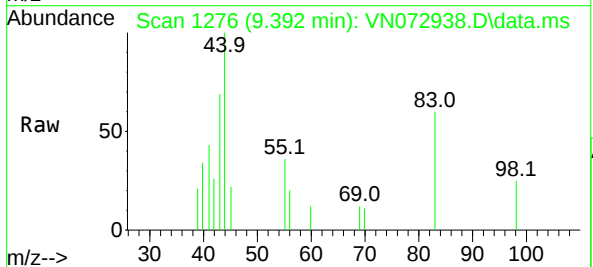


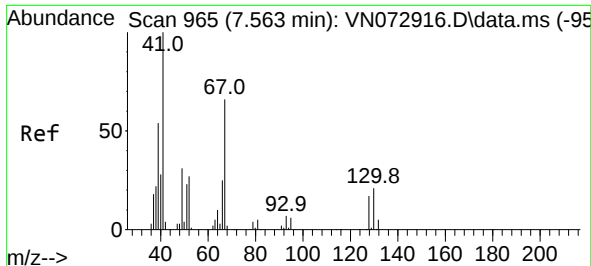
Tgt Ion:117 Resp: 31568
Ion Ratio Lower Upper
117 100
119 5.3 75.8 113.8#
121 0.0 24.6 37.0#



#39
Methylcyclohexane
Concen: 0.374 ug/l
RT: 9.392 min Scan# 1276
Delta R.T. 0.000 min
Lab File: VN072938.D
Acq: 18 Jun 2022 14:32

Tgt Ion: 83 Resp: 1958
Ion Ratio Lower Upper
83 100
55 59.8 57.8 86.8
98 41.9 39.4 59.2

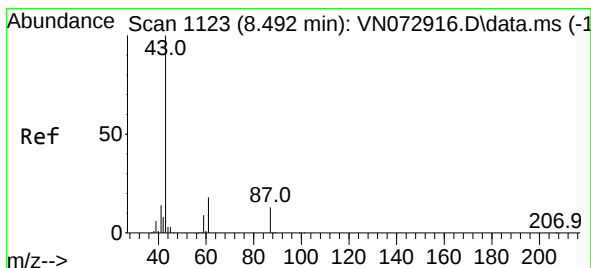
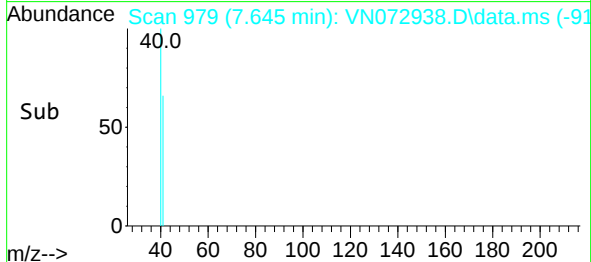
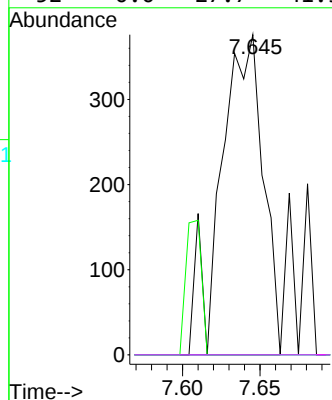
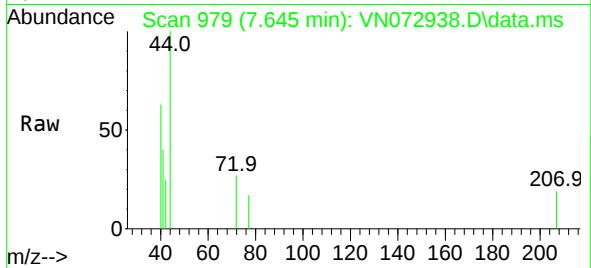




#41
Methacrylonitrile
Concen: 0.218 ug/l
RT: 7.645 min Scan# 91
Delta R.T. 0.082 min
Lab File: VN072938.D
Acq: 18 Jun 2022 14:32

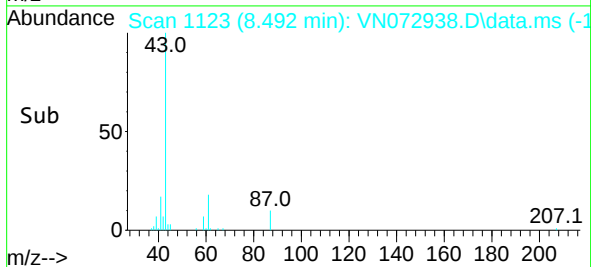
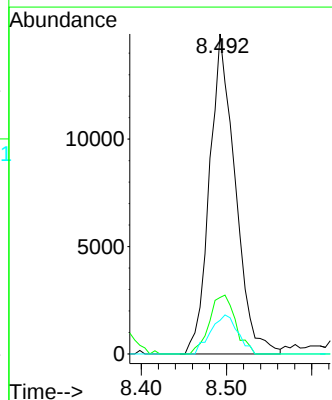
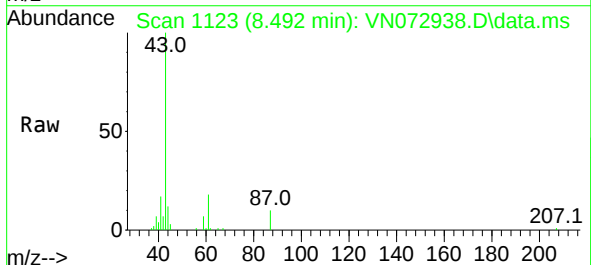
Instrument :
MSVOA_N
ClientSampleId :
WC-14A-1A-10

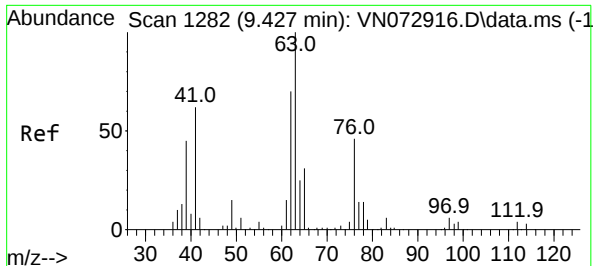
Tgt Ion:	41	Resp:	718
Ion	Ratio	Lower	Upper
41	100		
39	0.0	48.6	73.0#
67	0.0	73.4	110.2#
52	0.0	27.7	41.5#



#43
Isopropyl Acetate
Concen: 3.146 ug/l
RT: 8.492 min Scan# 1123
Delta R.T. 0.000 min
Lab File: VN072938.D
Acq: 18 Jun 2022 14:32

Tgt Ion:	43	Resp:	31219
Ion	Ratio	Lower	Upper
43	100		
61	18.7	21.9	32.9#
87	12.8	12.0	18.0





#45

1,2-Dichloropropane

Concen: 0.390 ug/l

RT: 9.557 min Scan# 11

Delta R.T. 0.130 min

Lab File: VN072938.D

Acq: 18 Jun 2022 14:32

Instrument :

MSVOA_N

ClientSampleId :

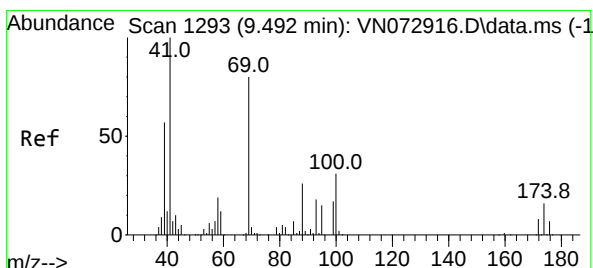
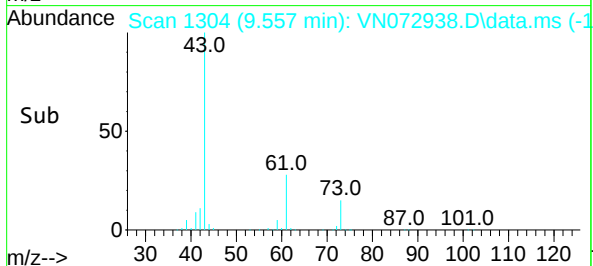
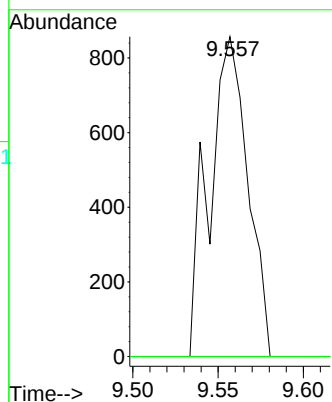
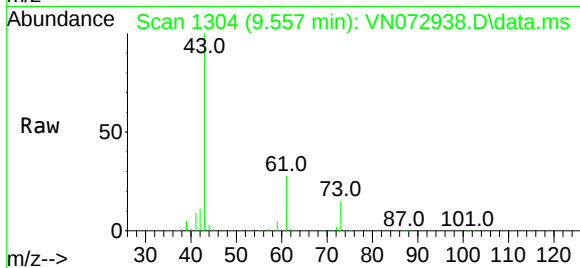
WC-14A-1A-10

Tgt Ion: 63 Resp: 1358

Ion Ratio Lower Upper

63 100

65 0.0 24.9 37.3#



#48

Methyl methacrylate

Concen: 3.091 ug/l

RT: 9.475 min Scan# 1290

Delta R.T. -0.018 min

Lab File: VN072938.D

Acq: 18 Jun 2022 14:32

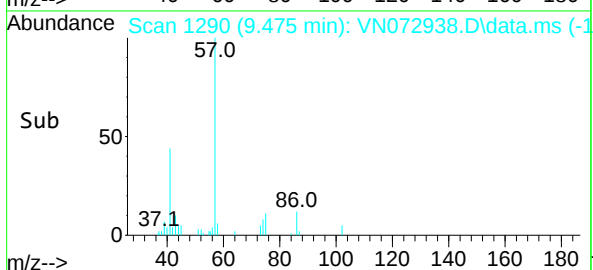
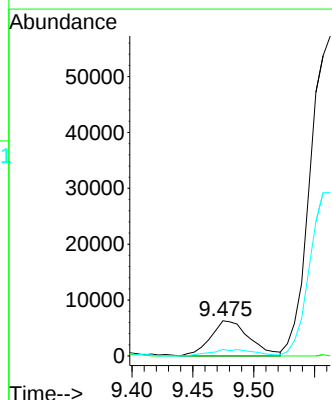
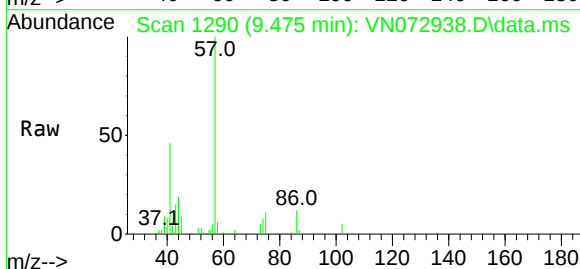
Tgt Ion: 41 Resp: 14006

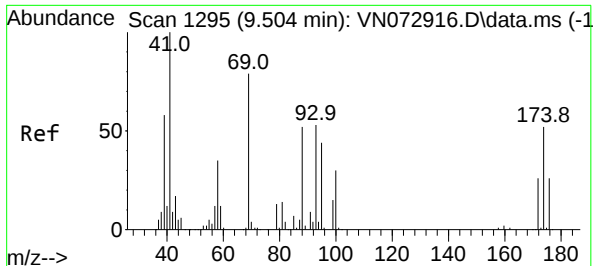
Ion Ratio Lower Upper

41 100

69 0.0 74.7 112.1#

39 21.2 45.6 68.4#





#49

1,4-Dioxane

Concen: 0.540 ug/l

RT: 9.557 min Scan# 11

Delta R.T. 0.053 min

Lab File: VN072938.D

Acq: 18 Jun 2022 14:32

Instrument :

MSVOA_N

ClientSampleId :

WC-14A-1A-10

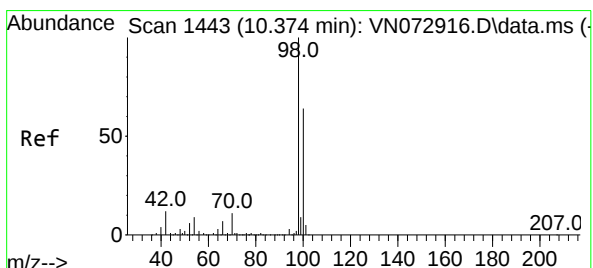
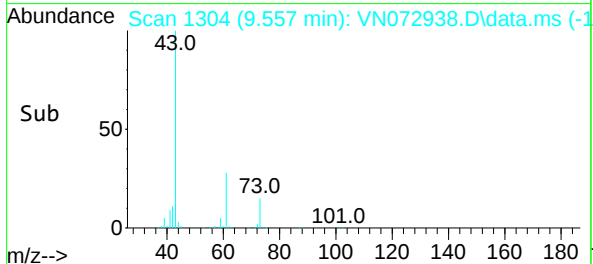
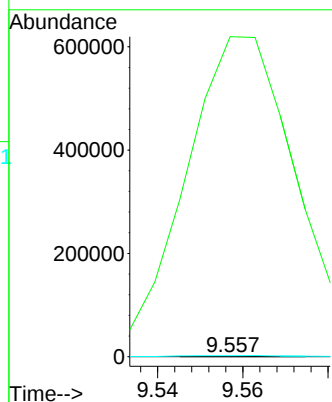
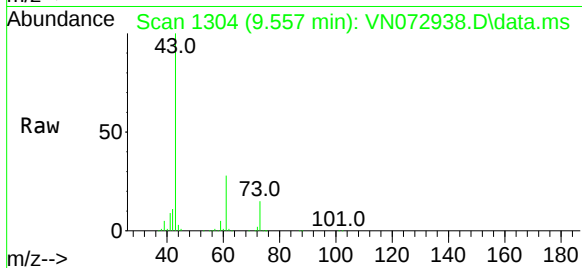
Tgt Ion: 88 Resp: 55

Ion Ratio Lower Upper

88 100

43 2128714.5 20.2 30.4#

58 7710.9 54.2 81.4#



#50

Toluene-d8

Concen: 48.856 ug/l

RT: 10.375 min Scan# 1443

Delta R.T. 0.000 min

Lab File: VN072938.D

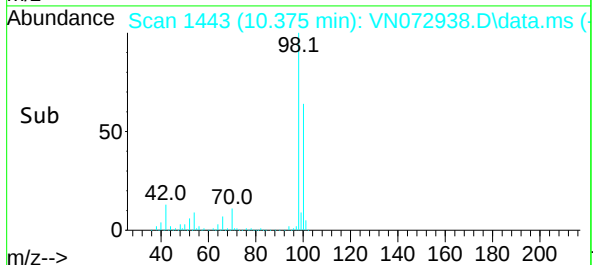
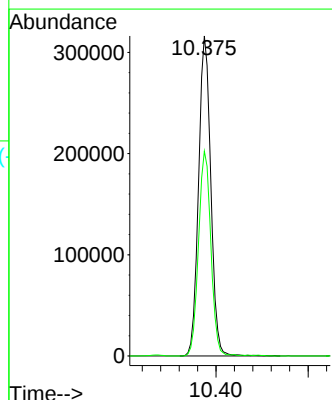
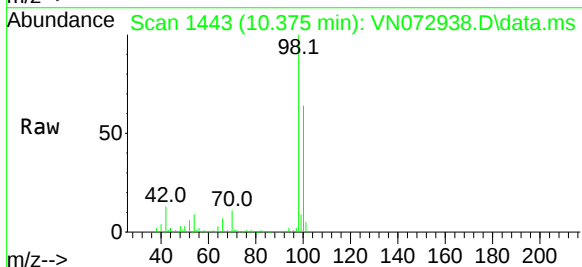
Acq: 18 Jun 2022 14:32

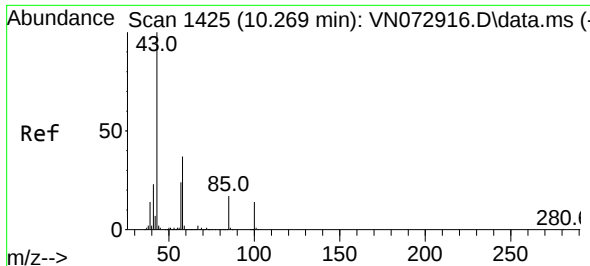
Tgt Ion: 98 Resp: 583087

Ion Ratio Lower Upper

98 100

100 64.6 52.6 78.8





#51

4-Methyl-2-Pentanone

Concen: 2.604 ug/l

RT: 10.263 min Scan# 1424

Delta R.T. -0.006 min

Lab File: VN072938.D

Acq: 18 Jun 2022 14:32

Instrument :

MSVOA_N

ClientSampleId :

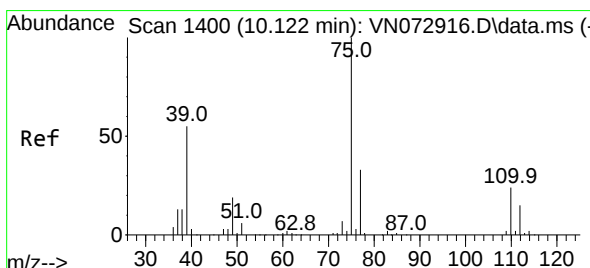
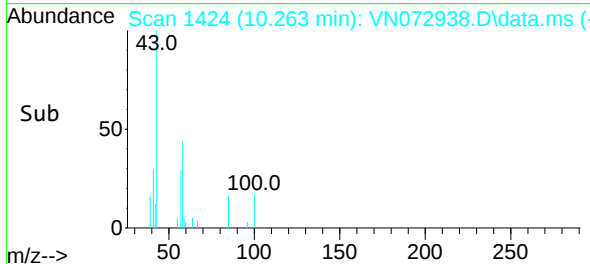
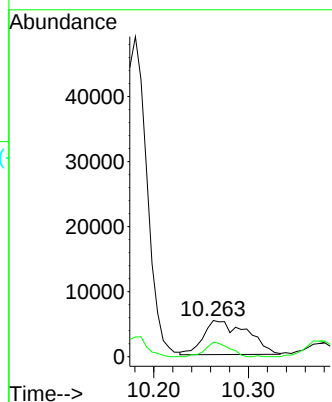
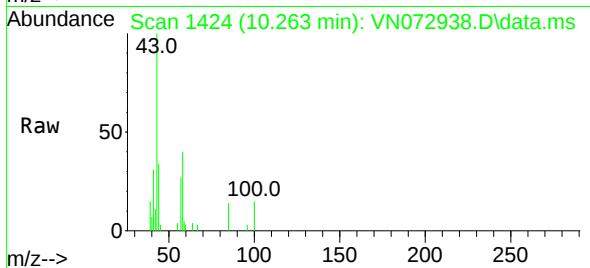
WC-14A-1A-10

Tgt Ion: 43 Resp: 16849

Ion Ratio Lower Upper

43 100

58 23.3 34.1 51.1#



#54

cis-1,3-Dichloropropene

Concen: 7.459 ug/l

RT: 10.180 min Scan# 1410

Delta R.T. 0.059 min

Lab File: VN072938.D

Acq: 18 Jun 2022 14:32

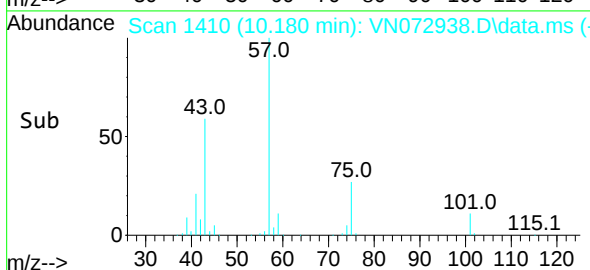
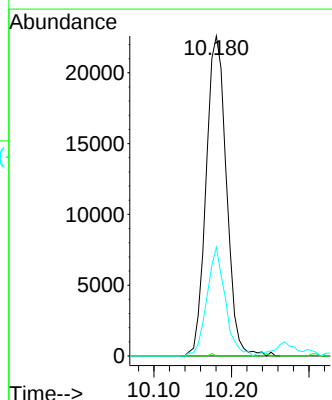
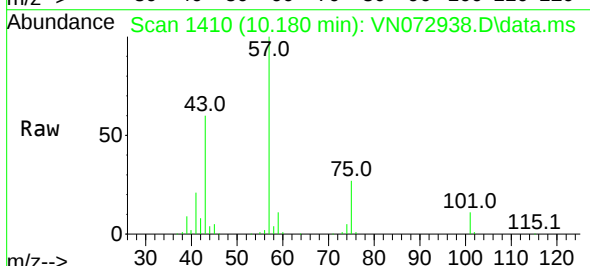
Tgt Ion: 75 Resp: 41051

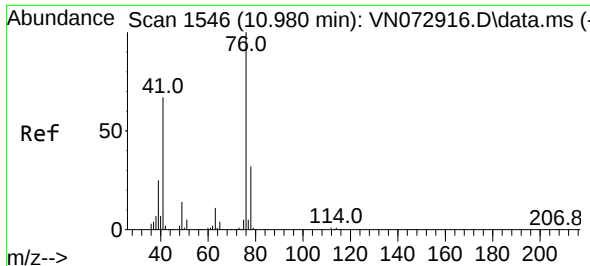
Ion Ratio Lower Upper

75 100

77 0.0 25.2 37.8#

39 34.0 35.7 53.5#





#57

1,3-Dichloropropane

Concen: 2.995 ug/l

RT: 11.027 min Scan# 1554

Delta R.T. 0.047 min

Lab File: VN072938.D

Acq: 18 Jun 2022 14:32

Instrument :

MSVOA_N

ClientSampleId :

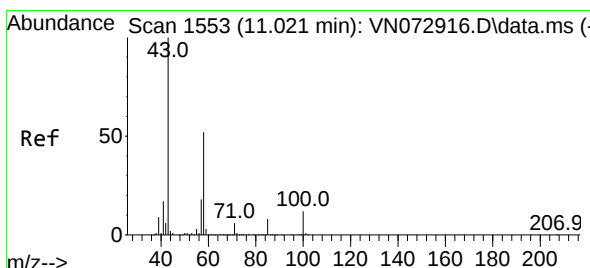
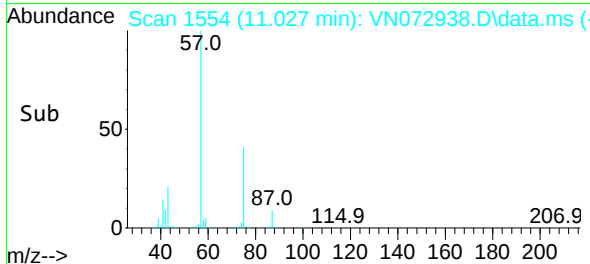
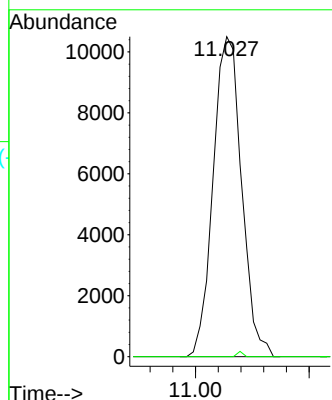
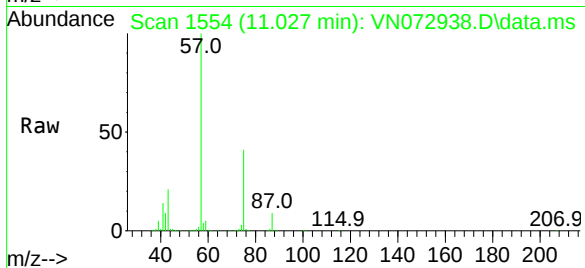
WC-14A-1A-10

Tgt Ion: 76 Resp: 18267

Ion Ratio Lower Upper

76 100

78 0.3 26.2 39.2#



#59

2-Hexanone

Concen: 59.225 ug/l

RT: 11.027 min Scan# 1554

Delta R.T. 0.006 min

Lab File: VN072938.D

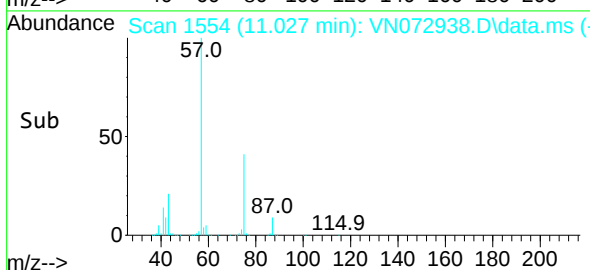
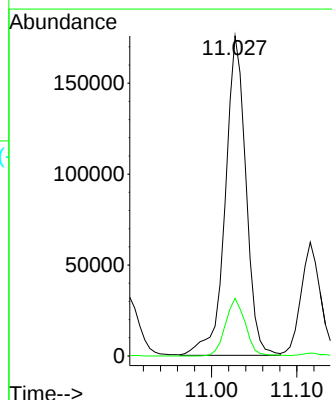
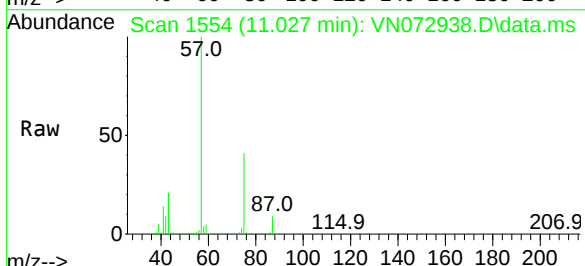
Acq: 18 Jun 2022 14:32

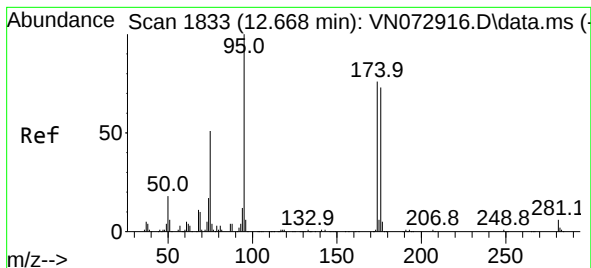
Tgt Ion: 43 Resp: 296414

Ion Ratio Lower Upper

43 100

58 17.4 29.7 89.1#

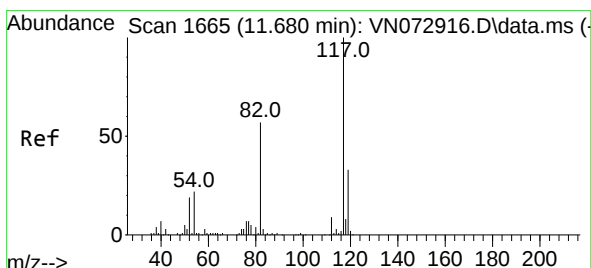
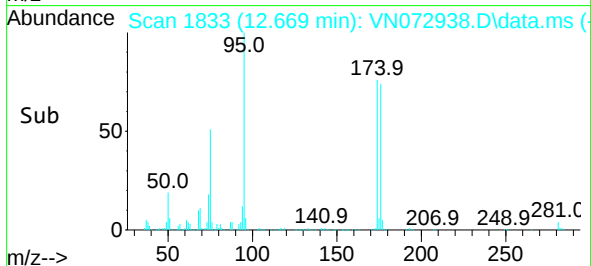
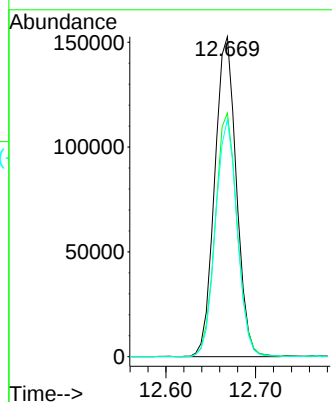
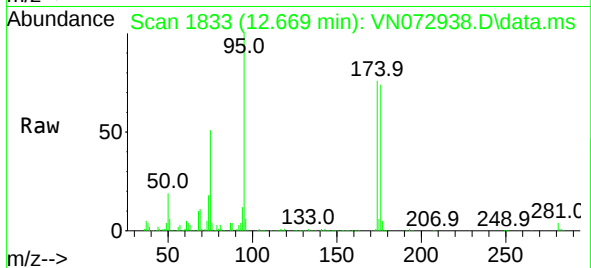




#62
4-Bromofluorobenzene
Concen: 59.769 ug/l
RT: 12.669 min Scan# 1833
Delta R.T. 0.000 min
Lab File: VN072938.D
Acq: 18 Jun 2022 14:32

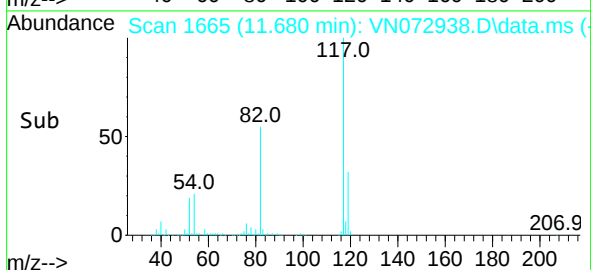
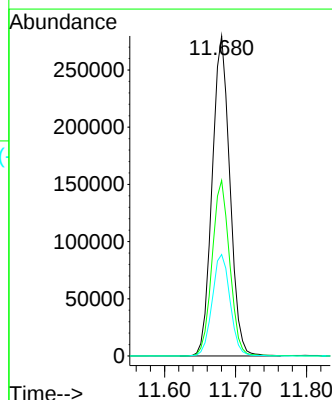
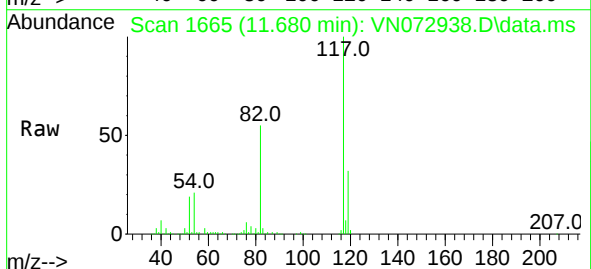
Instrument :
MSVOA_N
ClientSampleId :
WC-14A-1A-10

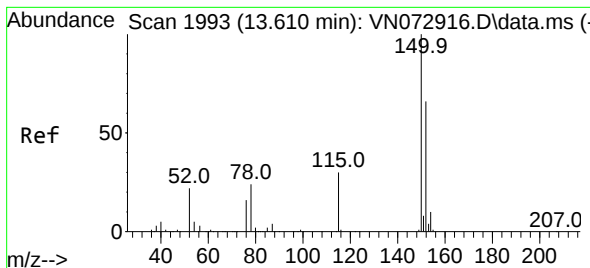
Tgt Ion: 95 Resp: 256505
Ion Ratio Lower Upper
95 100
174 77.0 0.0 167.6
176 74.0 0.0 163.4



#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 11.680 min Scan# 1665
Delta R.T. 0.000 min
Lab File: VN072938.D
Acq: 18 Jun 2022 14:32

Tgt Ion: 117 Resp: 483692
Ion Ratio Lower Upper
117 100
82 54.9 44.2 66.2
119 31.7 25.4 38.0





#72

1,4-Dichlorobenzene-d4

Concen: 50.000 ug/l

RT: 13.610 min Scan# 1993

Delta R.T. 0.000 min

Lab File: VN072938.D

Acq: 18 Jun 2022 14:32

Instrument :

MSVOA_N

ClientSampleId :

WC-14A-1A-10

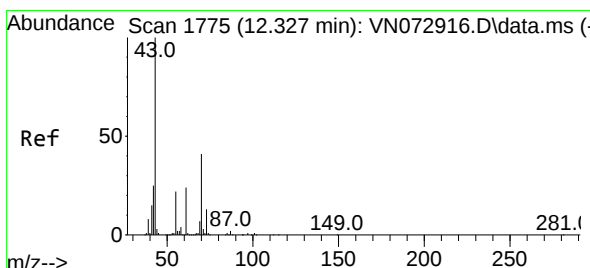
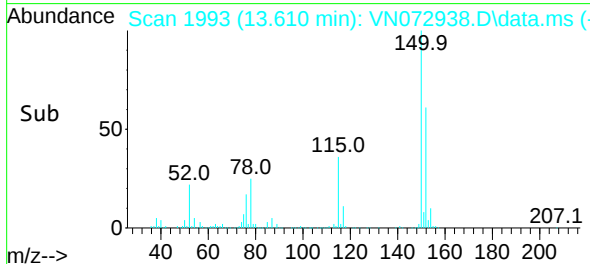
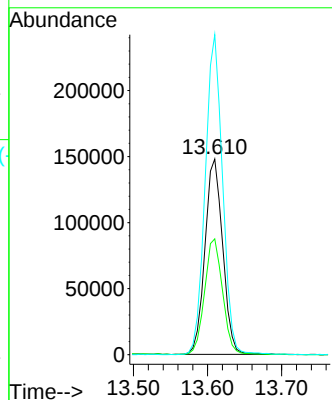
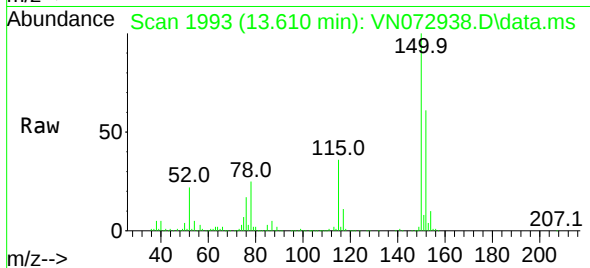
Tgt Ion:152 Resp: 246357

Ion Ratio Lower Upper

152 100

115 60.5 28.9 86.7

150 160.6 0.0 356.2



#74

N-ethyl acetate

Concen: 0.233 ug/l

RT: 12.286 min Scan# 1768

Delta R.T. -0.041 min

Lab File: VN072938.D

Acq: 18 Jun 2022 14:32

Tgt Ion: 43 Resp: 2309

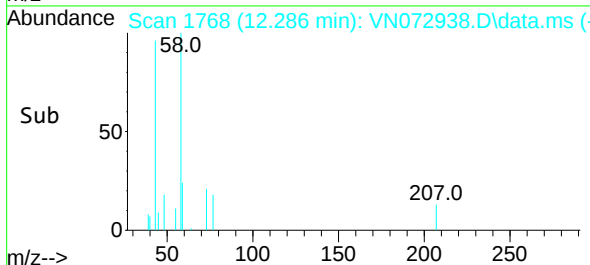
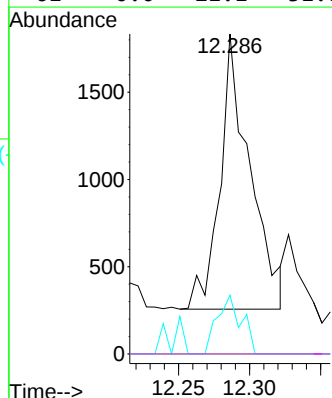
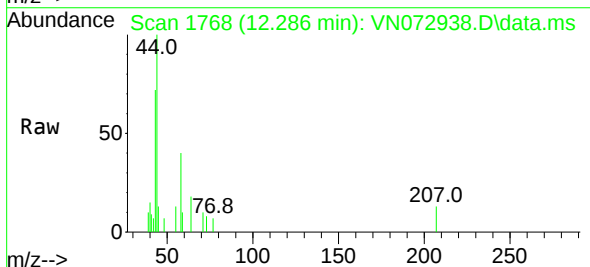
Ion Ratio Lower Upper

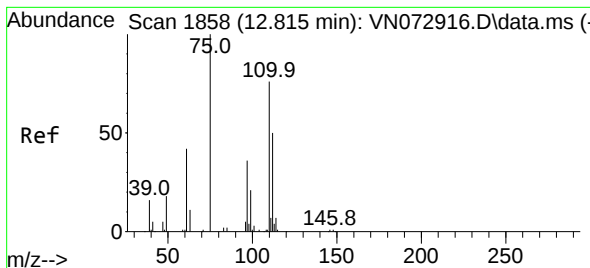
43 100

70 0.0 39.0 58.4#

55 17.4 21.1 31.7#

61 0.0 21.1 31.7#





#76

1,2,3-Trichloropropane

Concen: 22.044 ug/l

RT: 12.669 min Scan# 1833

Delta R.T. -0.147 min

Lab File: VN072938.D

Acq: 18 Jun 2022 14:32

Instrument :

MSVOA_N

ClientSampleId :

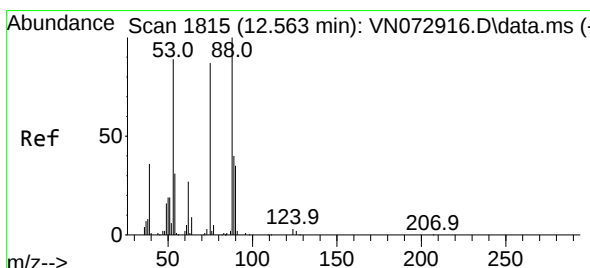
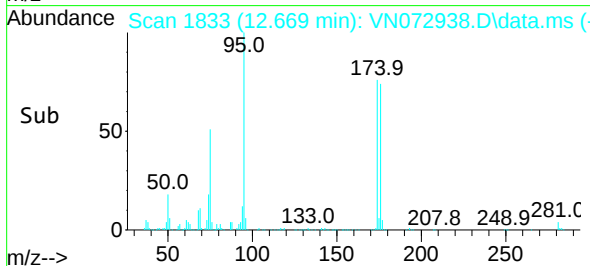
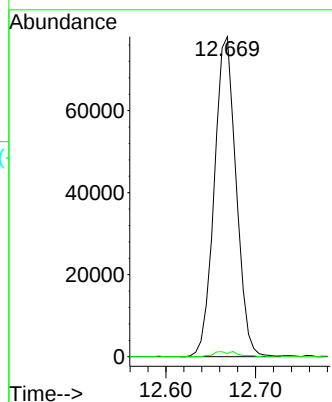
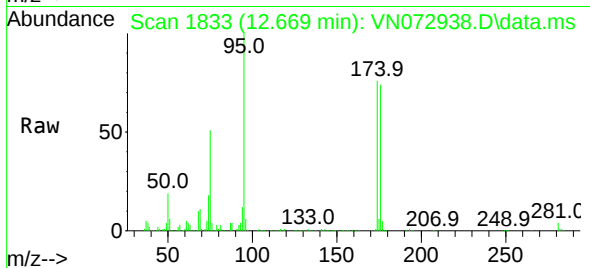
WC-14A-1A-10

Tgt Ion: 75 Resp: 131669

Ion Ratio Lower Upper

75 100

77 1.8 98.5 295.5#



#81

trans-1,4-Dichloro-2-butene

Concen: 59.534 ug/l

RT: 12.669 min Scan# 1833

Delta R.T. 0.106 min

Lab File: VN072938.D

Acq: 18 Jun 2022 14:32

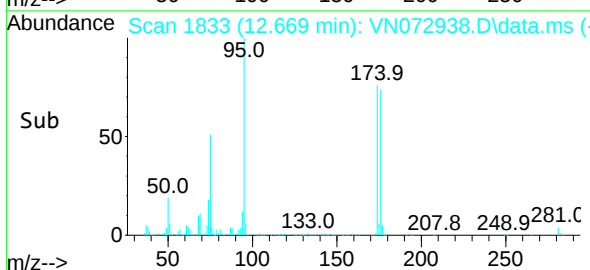
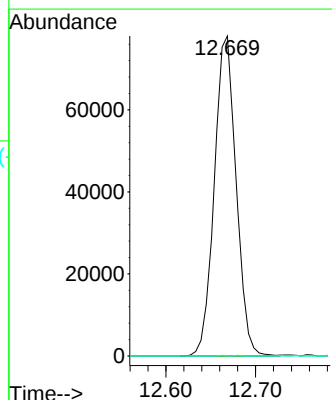
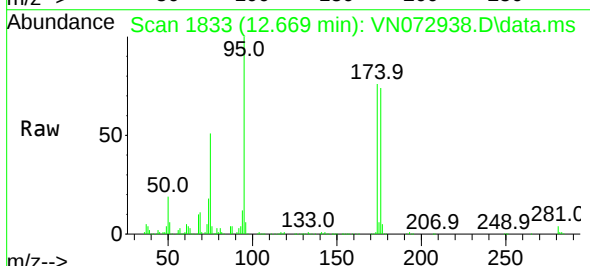
Tgt Ion: 75 Resp: 131669

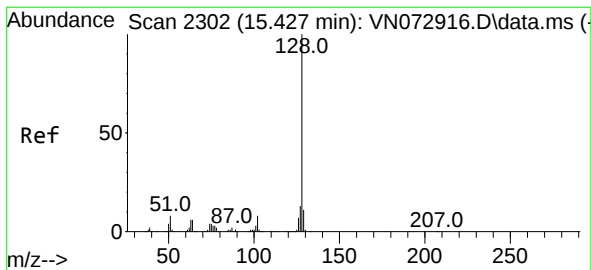
Ion Ratio Lower Upper

75 100

53 0.0 78.0 117.0#

89 0.1 37.2 55.8#





#95

Naphthalene

Concen: 0.306 ug/l

RT: 15.433 min Scan# 21

Delta R.T. 0.006 min

Lab File: VN072938.D

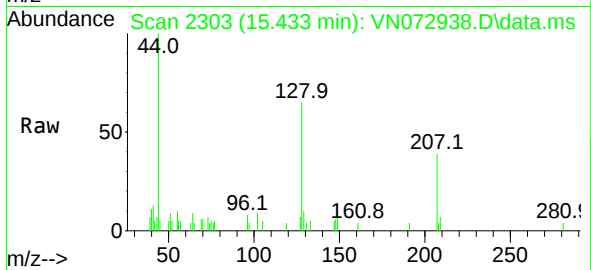
Acq: 18 Jun 2022 14:32

Instrument :

MSVOA_N

ClientSampleId :

WC-14A-1A-10



Tgt Ion:128 Resp: 5815

Ion Ratio Lower Upper

128 100

127 13.2 10.3 15.5

129 16.7 8.6 13.0#

