

Data Path : Z:\voasrv\HPCHEM1\MSVOA_N\Data\VN081222\
 Data File : VN073845.D
 Acq On : 12 Aug 2022 12:32
 Operator : JC\MD
 Sample : N4136-02
 Misc : 5.0mL/MSVOA_N/WATER
 ALS Vial : 7 Sample Multiplier: 1

Instrument :
 MSVOA_N
 ClientSampleId :
 WC-4RE

Quant Time: Aug 13 05:01:51 2022
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA_N\methods\82N072822W.M
 Quant Title : SW846 8260
 QLast Update : Wed Aug 10 05:09:32 2022
 Response via : Initial Calibration

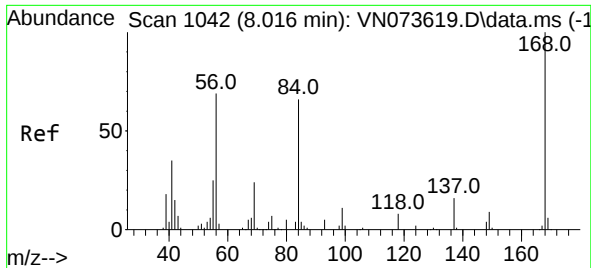
Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)

Internal Standards						
1) Pentafluorobenzene	8.016	168	419062	50.000	ug/l	0.00
34) 1,4-Difluorobenzene	8.904	114	647070	50.000	ug/l	0.00
63) Chlorobenzene-d5	11.686	117	612212	50.000	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.615	152	284261	50.000	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	8.369	65	238100	46.623	ug/l	0.00
Spiked Amount 50.000	Range 74 - 125		Recovery =	93.240%		
35) Dibromofluoromethane	7.957	113	89566	22.043	ug/l	0.00
Spiked Amount 50.000	Range 75 - 124		Recovery =	44.080%#		
50) Toluene-d8	10.380	98	723940	45.277	ug/l	0.00
Spiked Amount 50.000	Range 86 - 113		Recovery =	90.560%		
62) 4-Bromofluorobenzene	12.674	95	268688	47.986	ug/l	0.00
Spiked Amount 50.000	Range 83 - 123		Recovery =	95.980%		
Target Compounds						
					Qvalue	
3) Chloromethane	2.269	50	1146	Below Cal	#	87
6) Chloroethane	2.957	64	80	Below Cal	#	42
11) Tert butyl alcohol	5.287	59	5804	5.270	ug/l #	72
15) Acrylonitrile	5.498	53	820	0.269	ug/l #	83
16) Acetone	4.228	43	128085	46.695	ug/l	96
17) Carbon Disulfide	4.451	76	2602	0.247	ug/l #	75
18) Methyl Acetate	4.775	43	2531	0.371	ug/l #	55
20) Methylene Chloride	5.010	84	35997	6.181	ug/l	96
25) 2-Butanone	7.257	43	44590	10.468	ug/l	90
29) Tetrahydrofuran	7.622	42	2439	0.906	ug/l #	90
31) Cyclohexane	8.016	56	7365	0.969	ug/l #	1
36) 1,1-Dichloropropene	8.016	75	30289	5.230	ug/l #	49
37) Ethyl Acetate	7.257	43	44590	5.847	ug/l #	69
38) Carbon Tetrachloride	8.016	117	37697	6.409	ug/l #	19
41) Methacrylonitrile	7.610	41	2021	0.586	ug/l #	36
48) Methyl methacrylate	9.480	41	10286	2.281	ug/l #	39
49) 1,4-Dioxane	9.510	88	458	3.603	ug/l #	1
51) 4-Methyl-2-Pentanone	10.274	43	15193	2.056	ug/l	95
59) 2-Hexanone	10.998	43	200592	35.835	ug/l #	21
74) N-amyl acetate	12.292	43	14139	1.798	ug/l #	42
76) 1,2,3-Trichloropropane	12.674	75	133009	23.856	ug/l #	1
81) trans-1,4-Dichloro-2-b...	12.674	75	133009	60.638	ug/l #	10
84) 1,2,4-Trimethylbenzene	13.310	105	4739	0.281	ug/l	89
89) n-Butylbenzene	13.880	91	2779	0.207	ug/l	82
92) 1,2-Dibromo-3-Chloropr...	14.539	75	423	0.262	ug/l	94
93) 1,2,4-Trichlorobenzene	15.192	180	3278	0.659	ug/l	95
95) Naphthalene	15.439	128	20312	1.258	ug/l	98
96) 1,2,3-Trichlorobenzene	15.621	180	3927	0.750	ug/l	88

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

Quant Time: Aug 13 05:01:51 2022
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_N\methods\82N072822W.M
Quant Title : SW846 8260
QLast Update : Wed Aug 10 05:09:32 2022
Response via : Initial Calibration

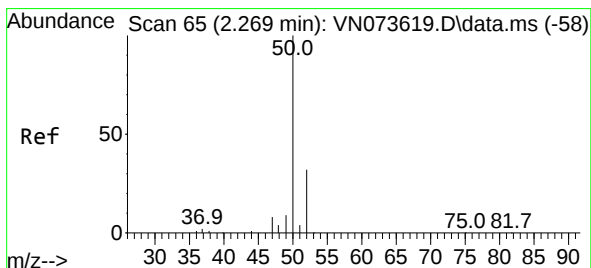
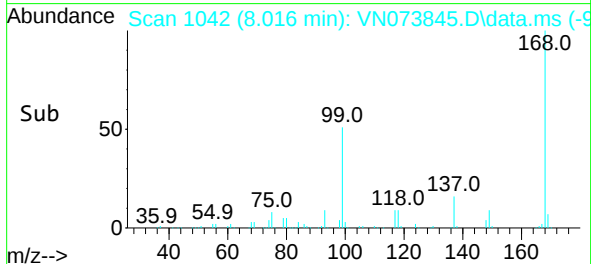
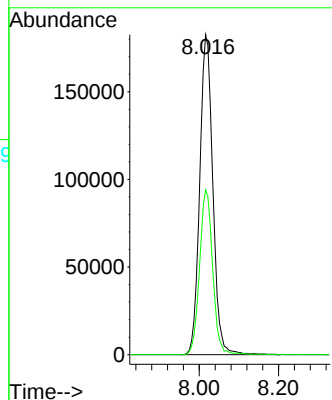
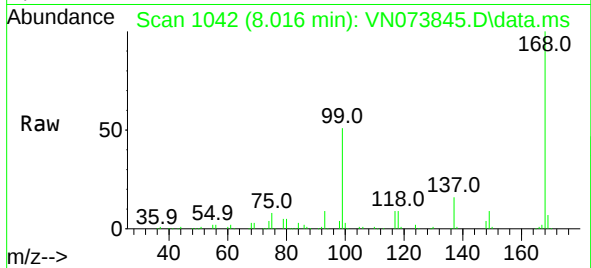




#1
Pentafluorobenzene
Concen: 50.000 ug/l
RT: 8.016 min Scan# 1042
Delta R.T. -0.000 min
Lab File: VN073845.D
Acq: 12 Aug 2022 12:32

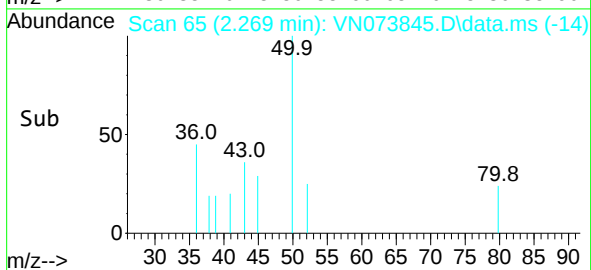
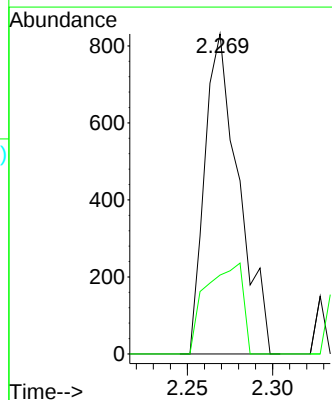
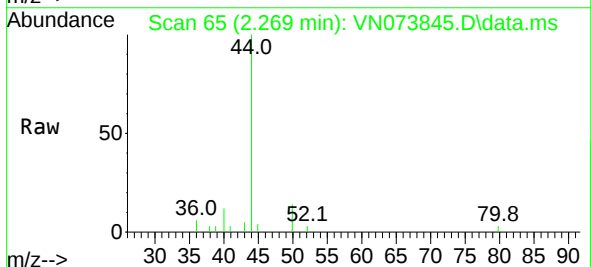
Instrument :
MSVOA_N
ClientSampleId :
WC-4RE

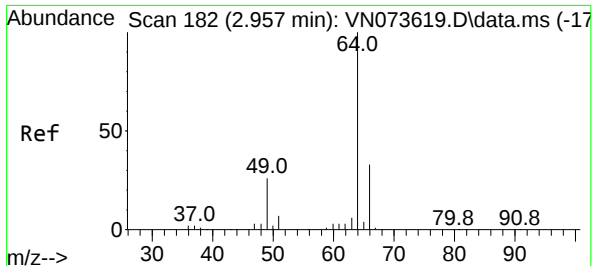
Tgt Ion:168 Resp: 419062
Ion Ratio Lower Upper
168 100
99 51.5 42.3 63.5



#3
Chloromethane
Concen: Below Cal
RT: 2.269 min Scan# 65
Delta R.T. 0.000 min
Lab File: VN073845.D
Acq: 12 Aug 2022 12:32

Tgt Ion: 50 Resp: 1146
Ion Ratio Lower Upper
50 100
52 24.7 25.7 38.5#

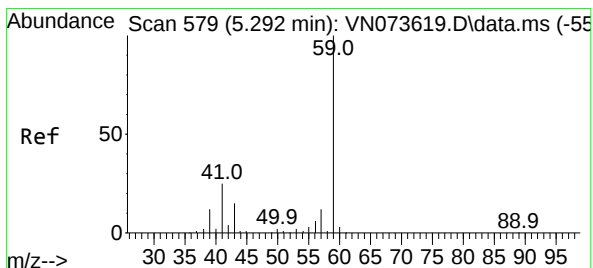
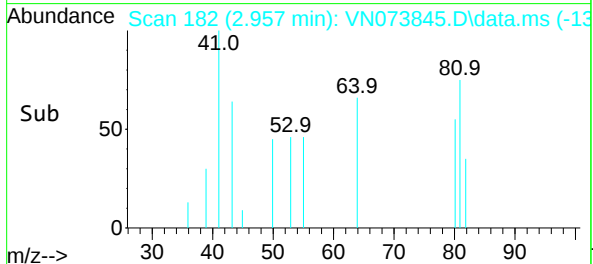
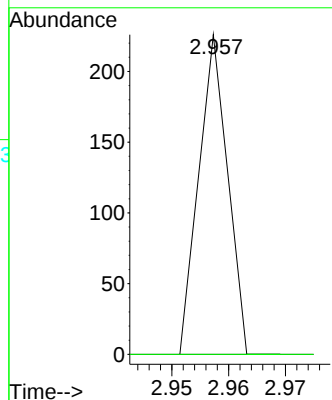
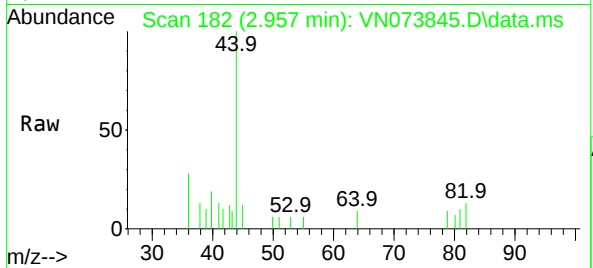




#6
Chloroethane
Concen: Below Cal
RT: 2.957 min Scan# 11
Delta R.T. 0.000 min
Lab File: VN073845.D
Acq: 12 Aug 2022 12:32

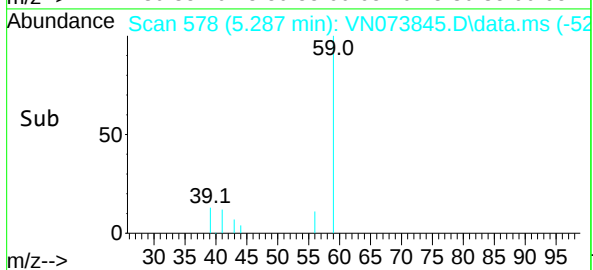
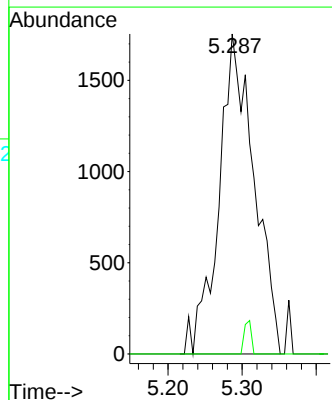
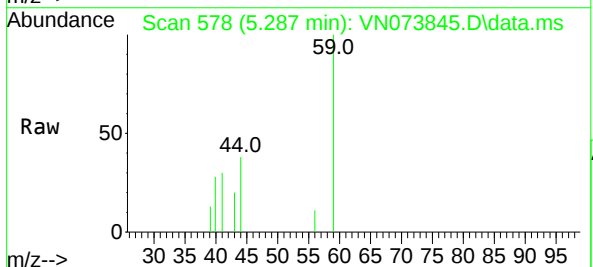
Instrument :
MSVOA_N
ClientSampleId :
WC-4RE

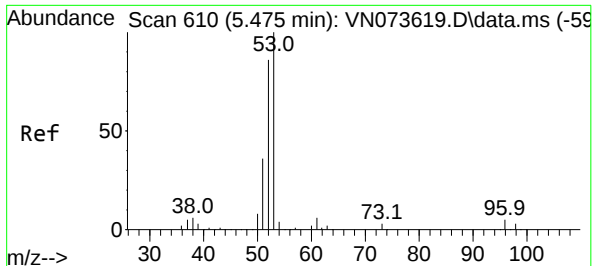
Tgt Ion: 64 Resp: 80
Ion Ratio Lower Upper
64 100
66 0.0 26.2 39.4#



#11
Tert butyl alcohol
Concen: 5.270 ug/l
RT: 5.287 min Scan# 578
Delta R.T. -0.005 min
Lab File: VN073845.D
Acq: 12 Aug 2022 12:32

Tgt Ion: 59 Resp: 5804
Ion Ratio Lower Upper
59 100
57 0.0 8.3 12.5#

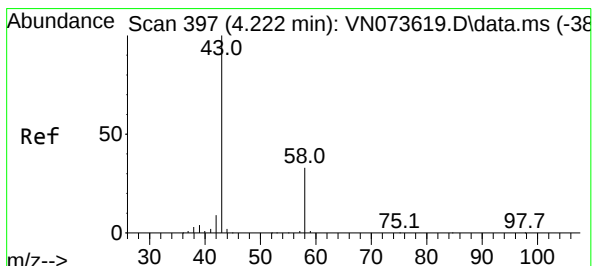
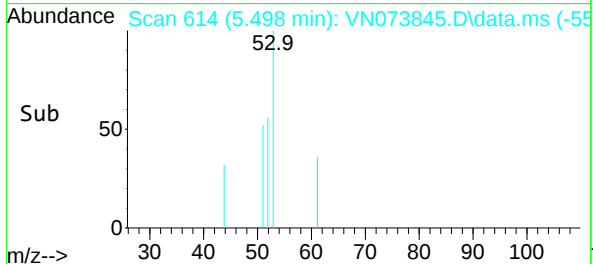
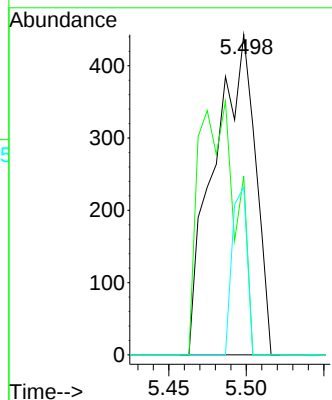
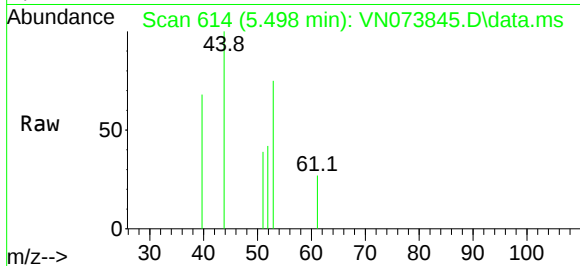




#15
Acrylonitrile
Concen: 0.269 ug/l
RT: 5.498 min Scan# 610
Delta R.T. 0.023 min
Lab File: VN073845.D
Acq: 12 Aug 2022 12:32

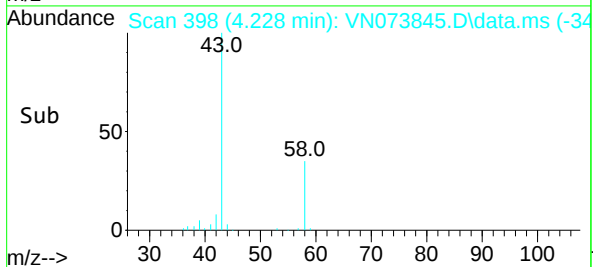
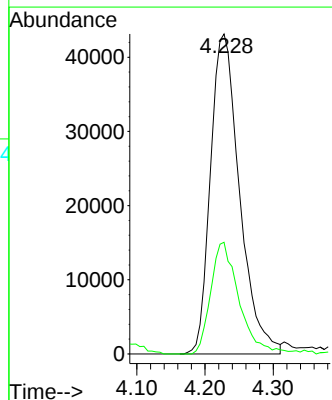
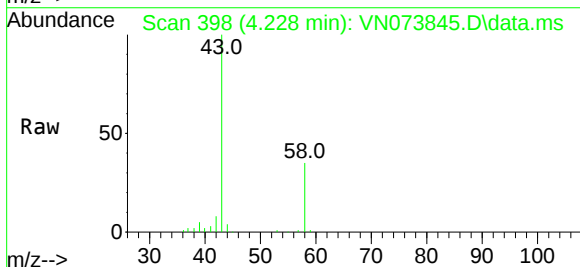
Instrument :
MSVOA_N
ClientSampleId :
WC-4RE

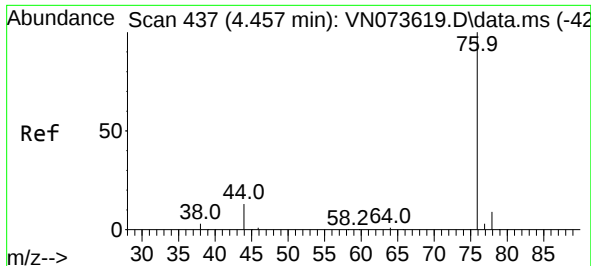
Tgt Ion: 53 Resp: 820
Ion Ratio Lower Upper
53 100
52 72.1 66.4 99.6
51 18.9 28.5 42.7#



#16
Acetone
Concen: 46.695 ug/l
RT: 4.228 min Scan# 398
Delta R.T. 0.006 min
Lab File: VN073845.D
Acq: 12 Aug 2022 12:32

Tgt Ion: 43 Resp: 128085
Ion Ratio Lower Upper
43 100
58 34.9 26.0 39.0

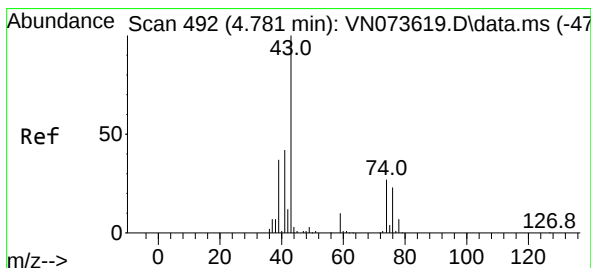
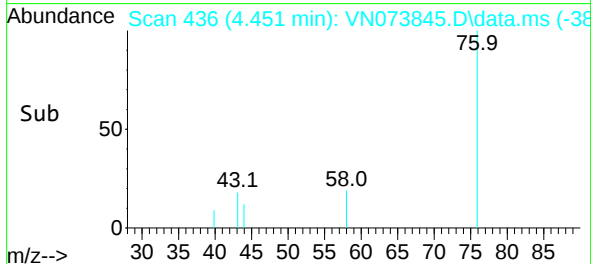
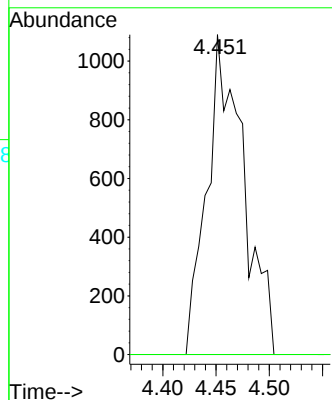
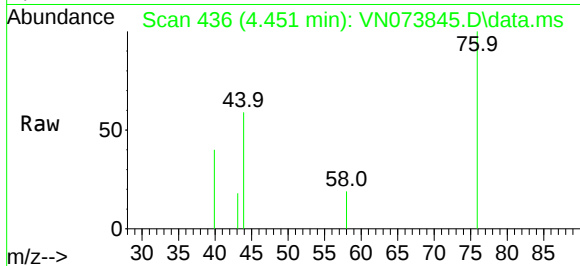




#17
Carbon Disulfide
Concen: 0.247 ug/l
RT: 4.451 min Scan# 41
Delta R.T. -0.006 min
Lab File: VN073845.D
Acq: 12 Aug 2022 12:32

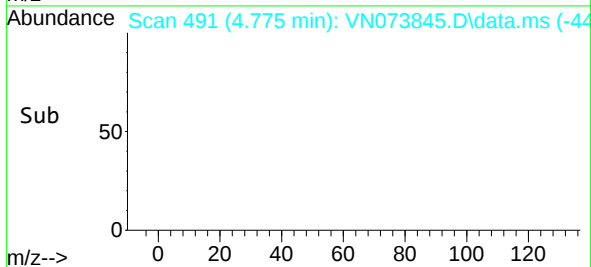
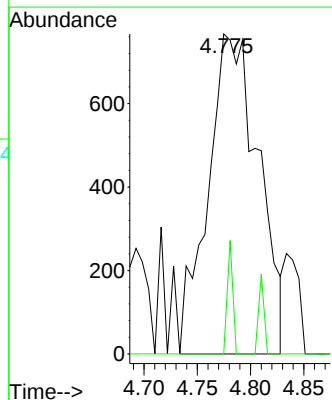
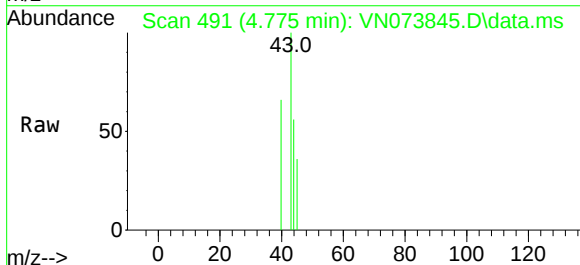
Instrument :
MSVOA_N
ClientSampleId :
WC-4RE

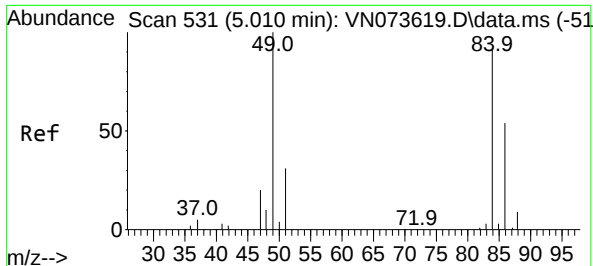
Tgt Ion: 76 Resp: 2602
Ion Ratio Lower Upper
76 100
78 0.0 7.2 10.8#



#18
Methyl Acetate
Concen: 0.371 ug/l
RT: 4.775 min Scan# 491
Delta R.T. -0.006 min
Lab File: VN073845.D
Acq: 12 Aug 2022 12:32

Tgt Ion: 43 Resp: 2531
Ion Ratio Lower Upper
43 100
74 3.8 21.6 32.4#

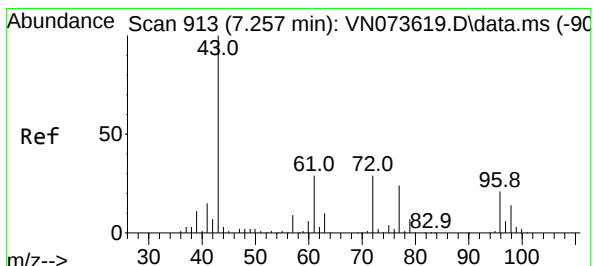
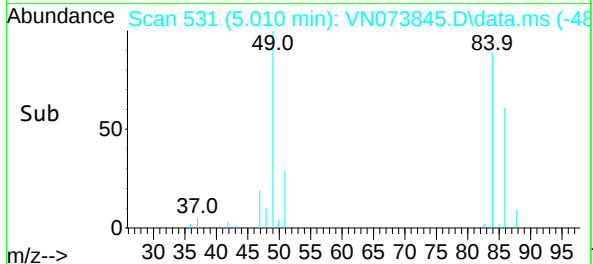
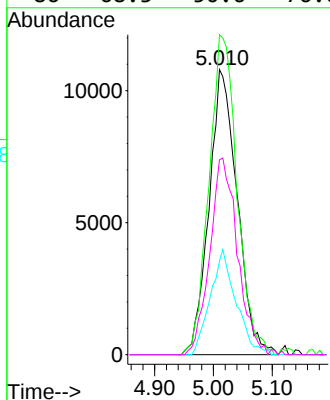
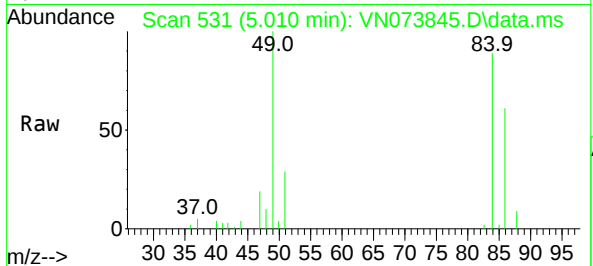




#20
Methylene Chloride
Concen: 6.181 ug/l
RT: 5.010 min Scan# 51
Delta R.T. 0.000 min
Lab File: VN073845.D
Acq: 12 Aug 2022 12:32

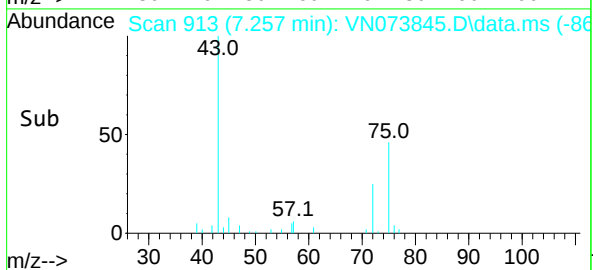
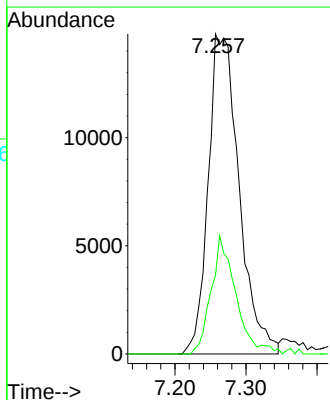
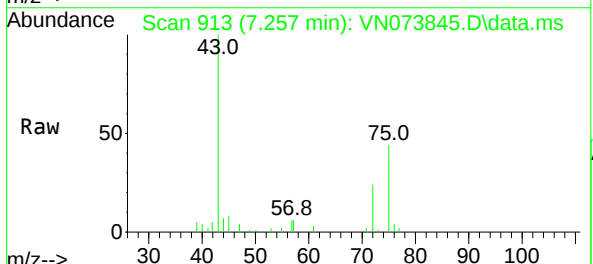
Instrument :
MSVOA_N
ClientSampleId :
WC-4RE

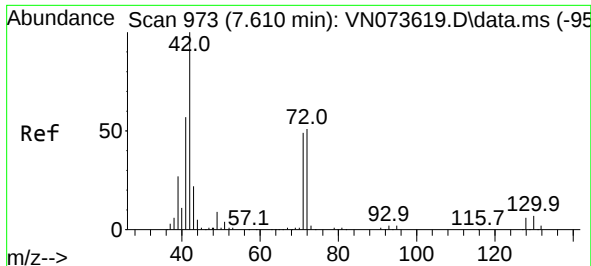
Tgt Ion:	84	Resp:	35997
Ion	Ratio	Lower	Upper
84	100		
49	112.2	88.3	132.5
51	32.8	28.2	42.2
86	68.3	50.6	76.0



#25
2-Butanone
Concen: 10.468 ug/l
RT: 7.257 min Scan# 913
Delta R.T. 0.000 min
Lab File: VN073845.D
Acq: 12 Aug 2022 12:32

Tgt Ion:	43	Resp:	44590
Ion	Ratio	Lower	Upper
43	100		
72	24.5	23.7	35.5





#29

Tetrahydrofuran

Concen: 0.906 ug/l

RT: 7.622 min Scan# 91

Delta R.T. 0.012 min

Lab File: VN073845.D

Acq: 12 Aug 2022 12:32

Instrument :

MSVOA_N

ClientSampleId :

WC-4RE

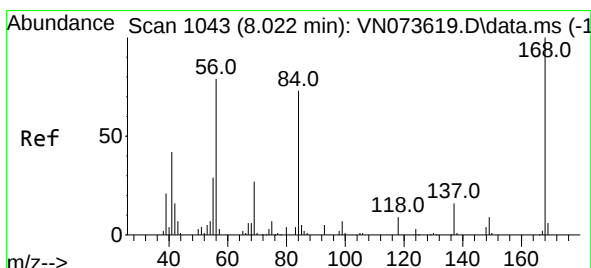
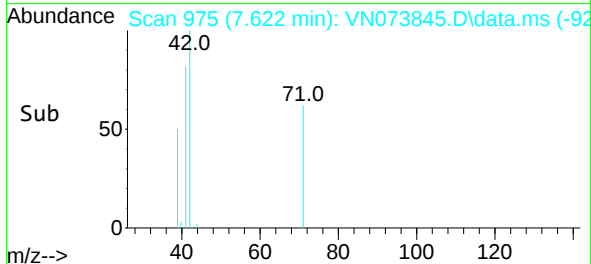
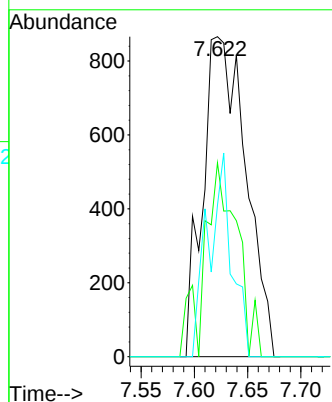
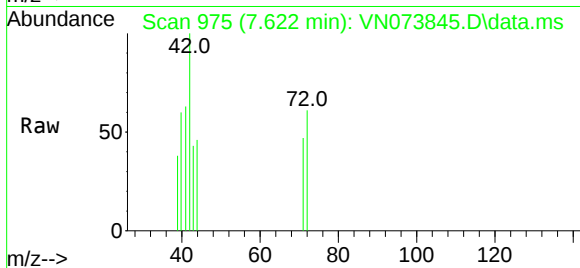
Tgt Ion: 42 Resp: 2439

Ion Ratio Lower Upper

42 100

72 46.6 39.7 59.5

71 34.8 36.6 55.0#



#31

Cyclohexane

Concen: 0.969 ug/l

RT: 8.016 min Scan# 1042

Delta R.T. -0.006 min

Lab File: VN073845.D

Acq: 12 Aug 2022 12:32

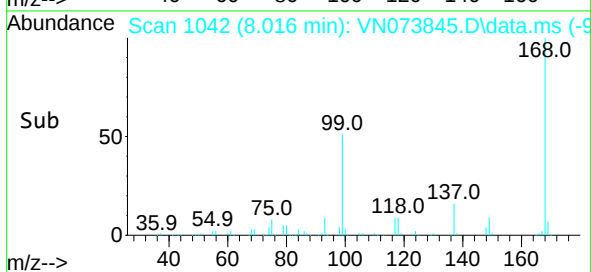
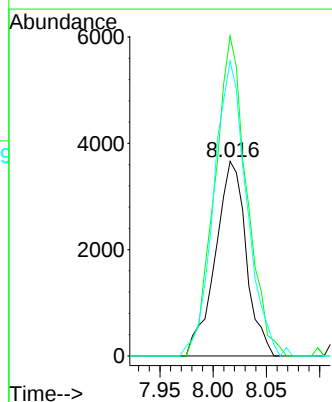
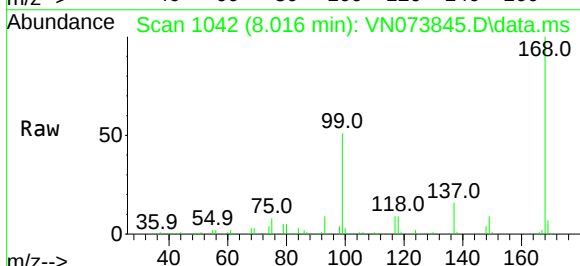
Tgt Ion: 56 Resp: 7365

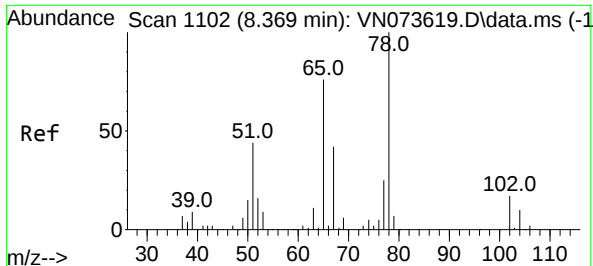
Ion Ratio Lower Upper

56 100

69 164.5 27.8 41.8#

84 151.6 76.9 115.3#





#33

1,2-Dichloroethane-d4

Concen: 46.623 ug/l

RT: 8.369 min Scan# 1102

Delta R.T. -0.000 min

Lab File: VN073845.D

Acq: 12 Aug 2022 12:32

Instrument :

MSVOA_N

ClientSampleId :

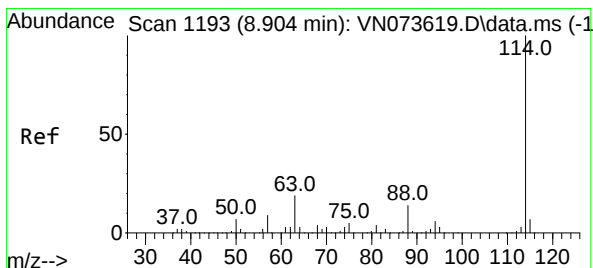
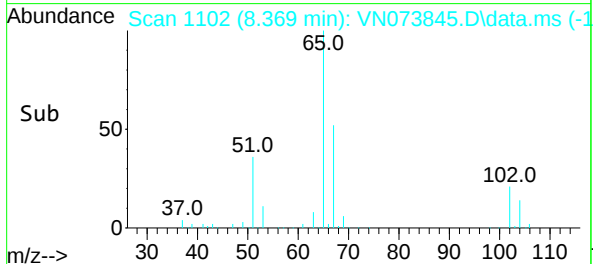
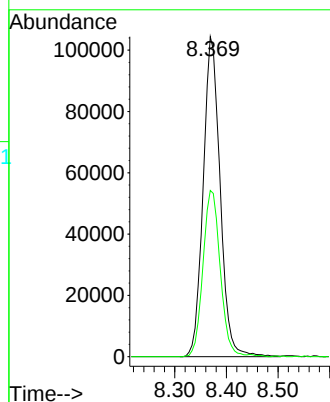
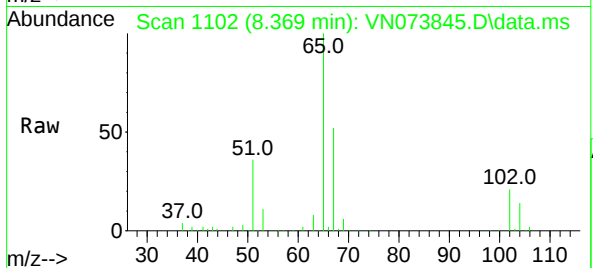
WC-4RE

Tgt Ion: 65 Resp: 238100

Ion Ratio Lower Upper

65 100

67 52.7 0.0 104.8



#34

1,4-Difluorobenzene

Concen: 50.000 ug/l

RT: 8.904 min Scan# 1193

Delta R.T. -0.000 min

Lab File: VN073845.D

Acq: 12 Aug 2022 12:32

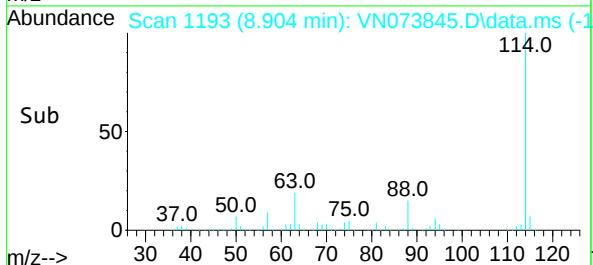
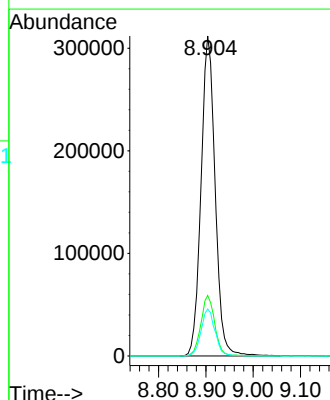
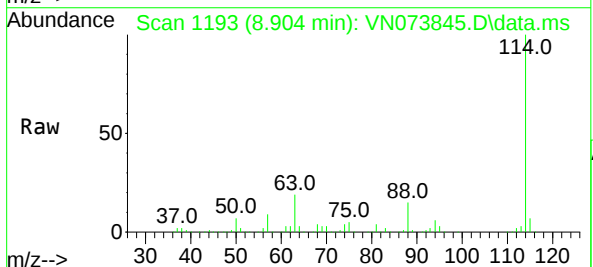
Tgt Ion: 114 Resp: 647070

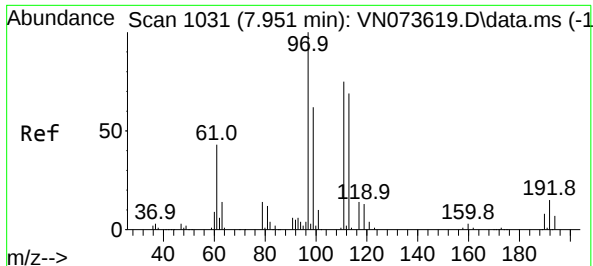
Ion Ratio Lower Upper

114 100

63 18.9 0.0 40.0

88 14.7 0.0 32.6

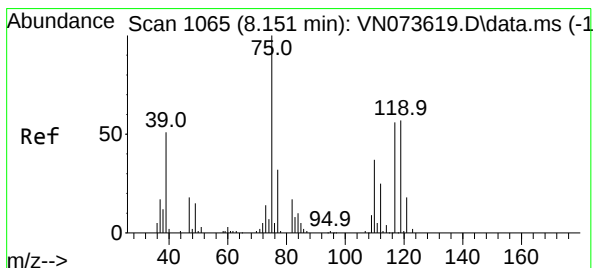
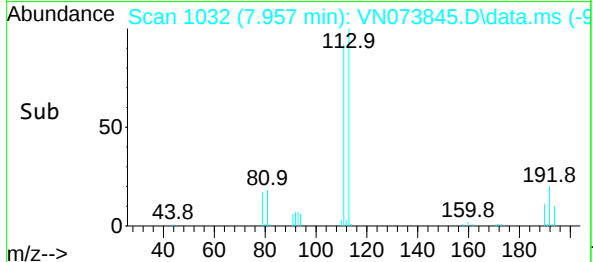
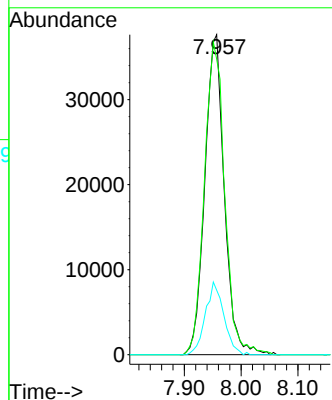
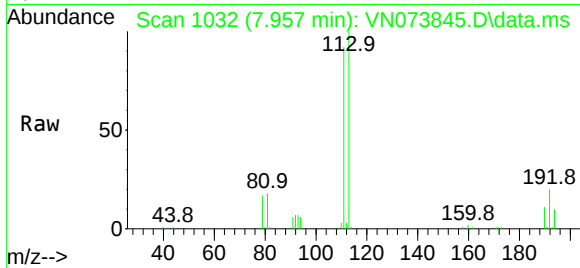




#35
Dibromofluoromethane
Concen: 22.043 ug/l
RT: 7.957 min Scan# 1042
Delta R.T. 0.006 min
Lab File: VN073845.D
Acq: 12 Aug 2022 12:32

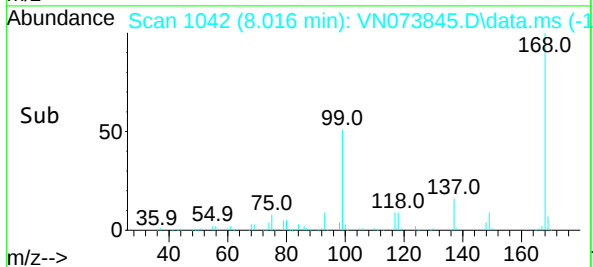
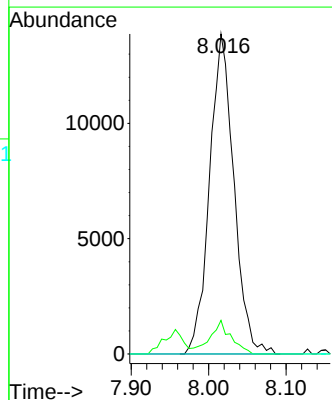
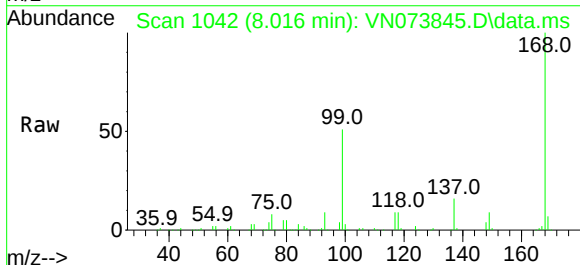
Instrument :
MSVOA_N
ClientSampleId :
WC-4RE

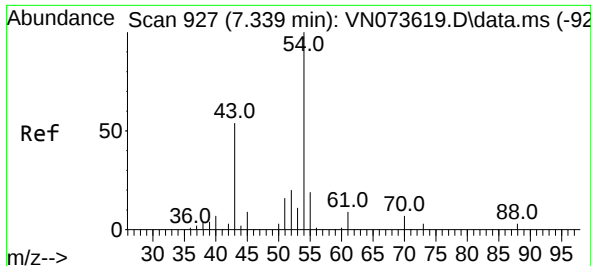
Tgt Ion:113 Resp: 89566
Ion Ratio Lower Upper
113 100
111 102.1 81.4 122.0
192 21.5 17.0 25.6



#36
1,1-Dichloropropene
Concen: 5.230 ug/l
RT: 8.016 min Scan# 1042
Delta R.T. -0.135 min
Lab File: VN073845.D
Acq: 12 Aug 2022 12:32

Tgt Ion: 75 Resp: 30289
Ion Ratio Lower Upper
75 100
110 8.9 18.3 54.8#
77 0.0 25.1 37.7#

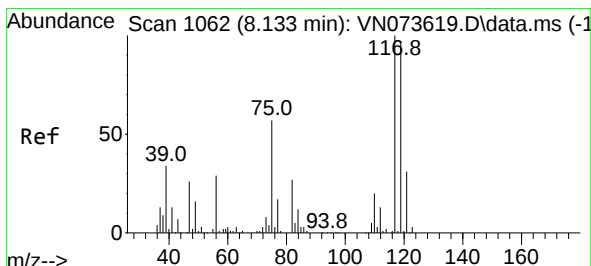
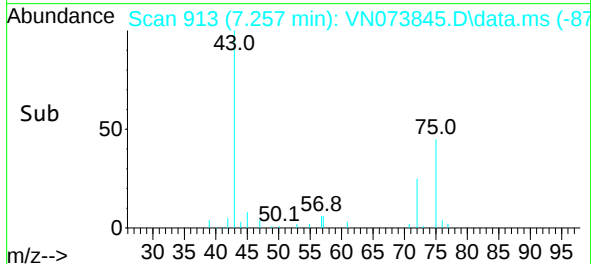
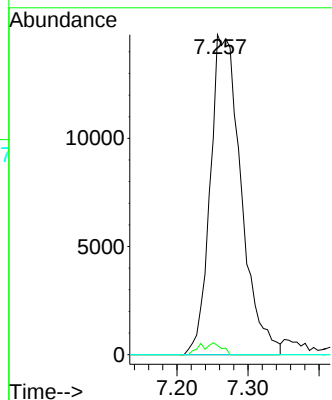
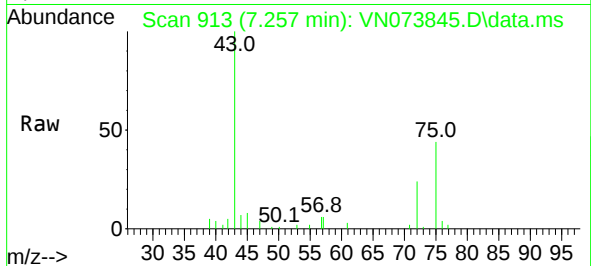




#37
Ethyl Acetate
Concen: 5.847 ug/l
RT: 7.257 min Scan# 91
Delta R.T. -0.082 min
Lab File: VN073845.D
Acq: 12 Aug 2022 12:32

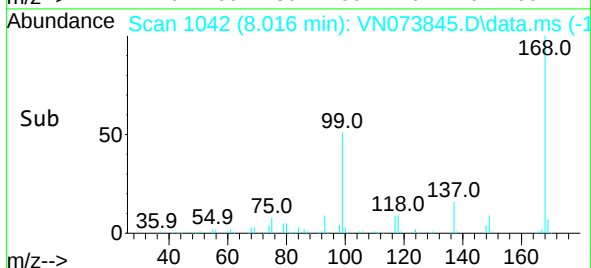
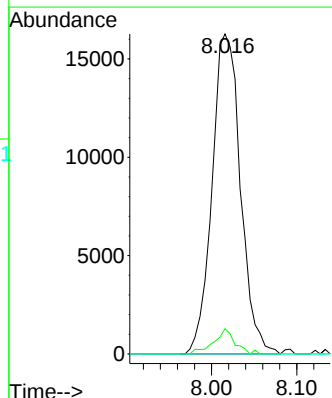
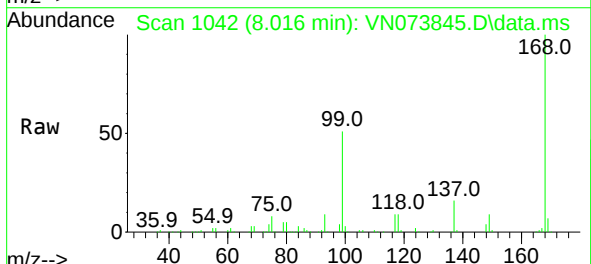
Instrument :
MSVOA_N
ClientSampleId :
WC-4RE

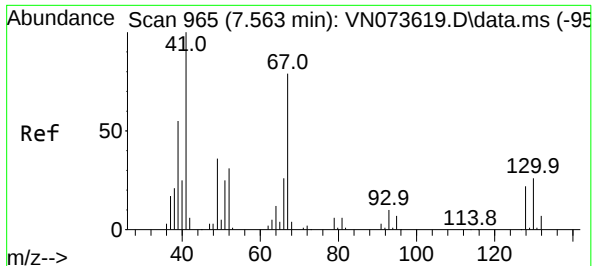
Tgt Ion: 43 Resp: 44590
Ion Ratio Lower Upper
43 100
61 1.6 11.8 17.6#
70 0.0 9.3 13.9#



#38
Carbon Tetrachloride
Concen: 6.409 ug/l
RT: 8.016 min Scan# 1042
Delta R.T. -0.118 min
Lab File: VN073845.D
Acq: 12 Aug 2022 12:32

Tgt Ion: 117 Resp: 37697
Ion Ratio Lower Upper
117 100
119 7.9 75.8 113.8#
121 0.0 24.6 37.0#

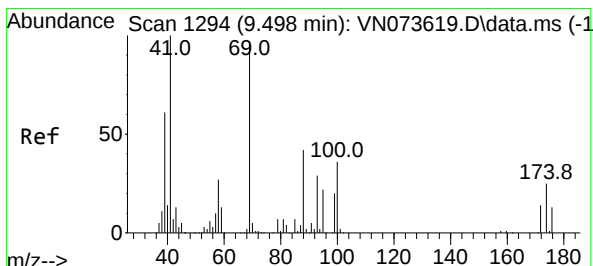
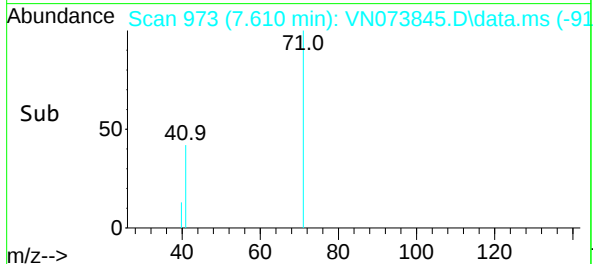
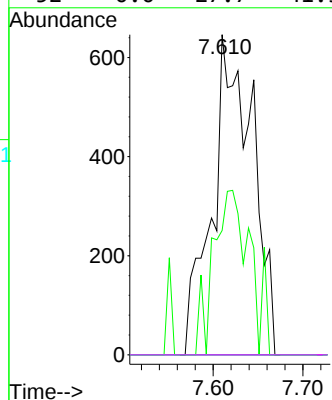
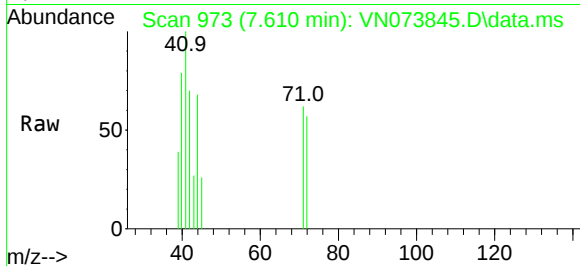




#41
Methacrylonitrile
Concen: 0.586 ug/l
RT: 7.610 min Scan# 91
Delta R.T. 0.047 min
Lab File: VN073845.D
Acq: 12 Aug 2022 12:32

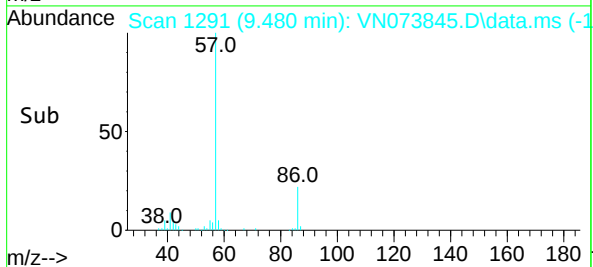
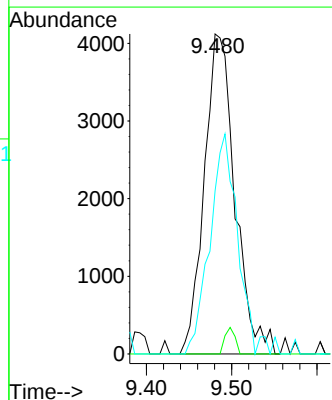
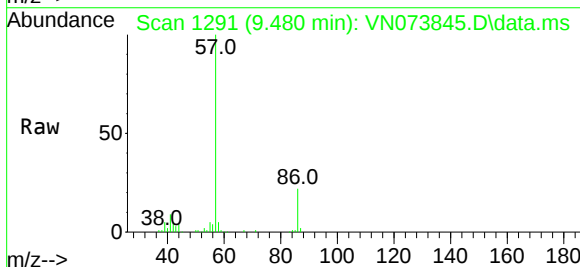
Instrument :
MSVOA_N
ClientSampleId :
WC-4RE

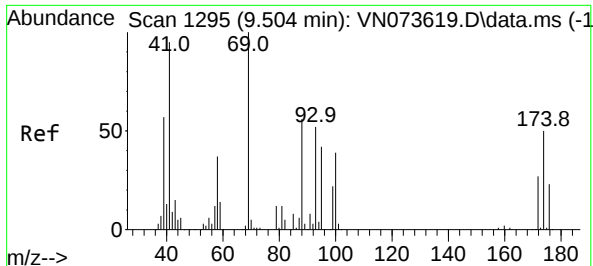
Tgt Ion:	41	Resp:	2021
Ion	Ratio	Lower	Upper
41	100		
39	47.2	48.6	73.0#
67	0.0	73.4	110.2#
52	0.0	27.7	41.5#



#48
Methyl methacrylate
Concen: 2.281 ug/l
RT: 9.480 min Scan# 1291
Delta R.T. -0.018 min
Lab File: VN073845.D
Acq: 12 Aug 2022 12:32

Tgt Ion:	41	Resp:	10286
Ion	Ratio	Lower	Upper
41	100		
69	2.8	74.7	112.1#
39	61.9	45.6	68.4

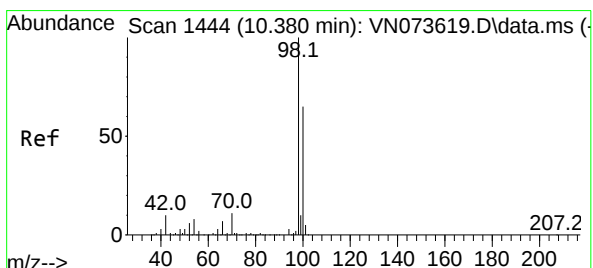
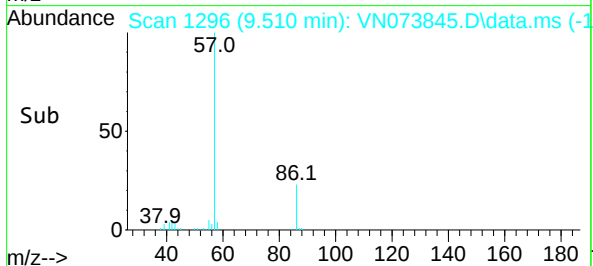
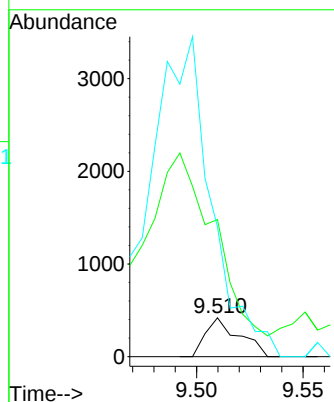
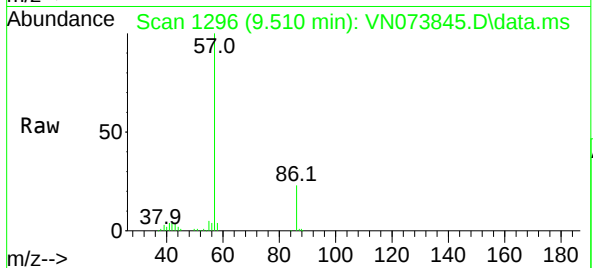




#49
1,4-Dioxane
Concen: 3.603 ug/l
RT: 9.510 min Scan# 1295
Delta R.T. 0.006 min
Lab File: VN073845.D
Acq: 12 Aug 2022 12:32

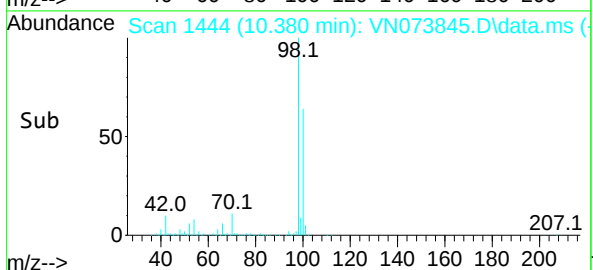
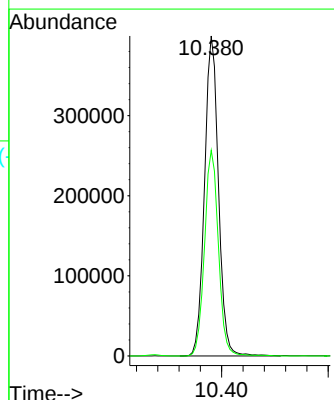
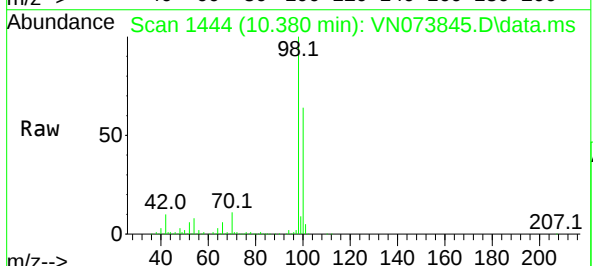
Instrument :
MSVOA_N
ClientSampleId :
WC-4RE

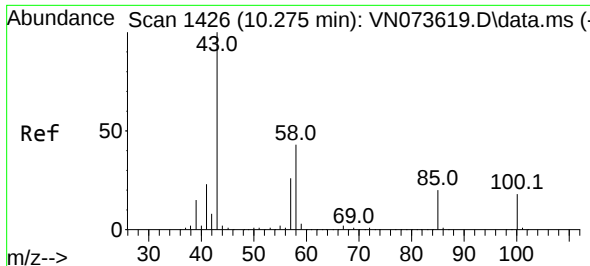
Tgt Ion: 88 Resp: 458
Ion Ratio Lower Upper
88 100
43 998.9 20.2 30.4#
58 1584.5 54.2 81.4#



#50
Toluene-d8
Concen: 45.277 ug/l
RT: 10.380 min Scan# 1444
Delta R.T. -0.000 min
Lab File: VN073845.D
Acq: 12 Aug 2022 12:32

Tgt Ion: 98 Resp: 723940
Ion Ratio Lower Upper
98 100
100 64.0 52.6 78.8

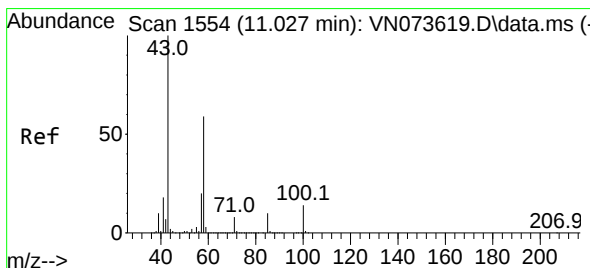
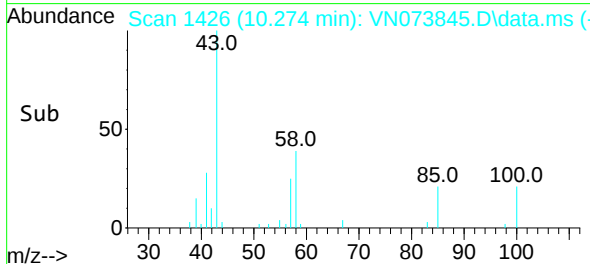
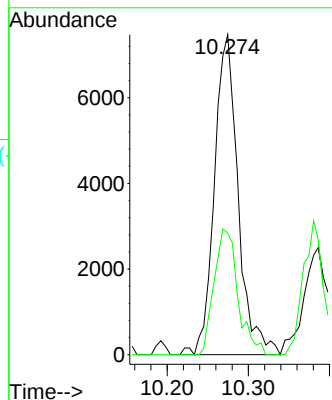
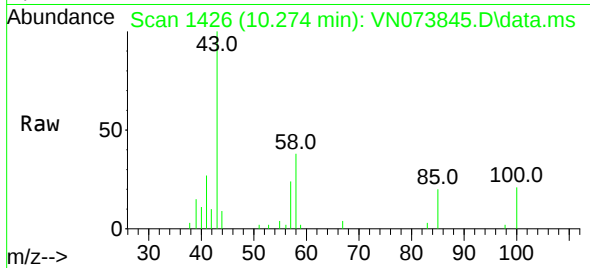




#51
4-Methyl-2-Pentanone
Concen: 2.056 ug/l
RT: 10.274 min Scan# 1426
Delta R.T. -0.001 min
Lab File: VN073845.D
Acq: 12 Aug 2022 12:32

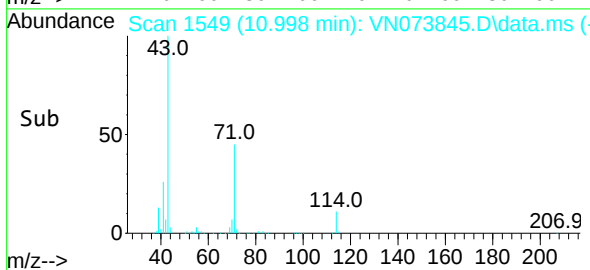
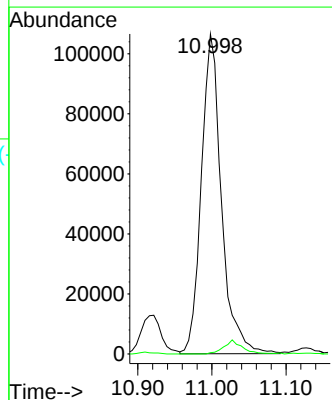
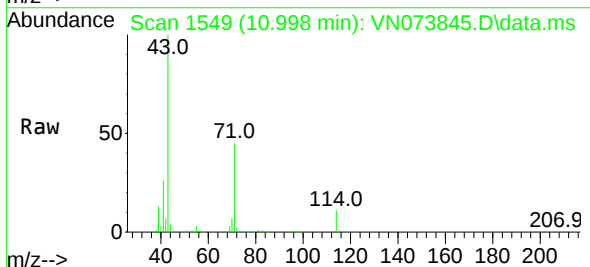
Instrument :
MSVOA_N
ClientSampleId :
WC-4RE

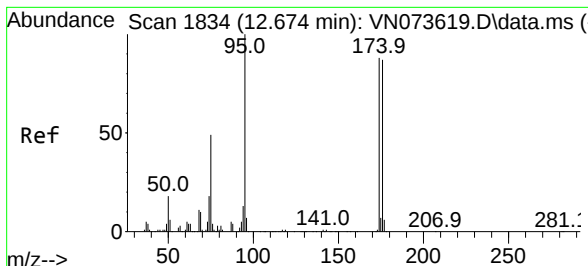
Tgt Ion: 43 Resp: 15193
Ion Ratio Lower Upper
43 100
58 39.5 34.1 51.1



#59
2-Hexanone
Concen: 35.835 ug/l
RT: 10.998 min Scan# 1549
Delta R.T. -0.029 min
Lab File: VN073845.D
Acq: 12 Aug 2022 12:32

Tgt Ion: 43 Resp: 200592
Ion Ratio Lower Upper
43 100
58 0.0 29.7 89.1#

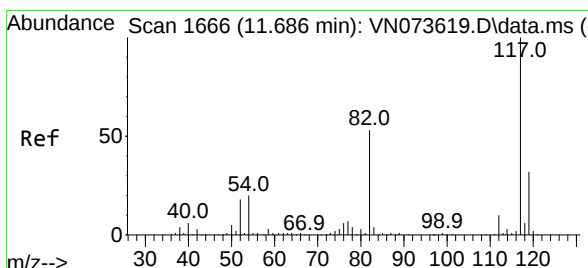
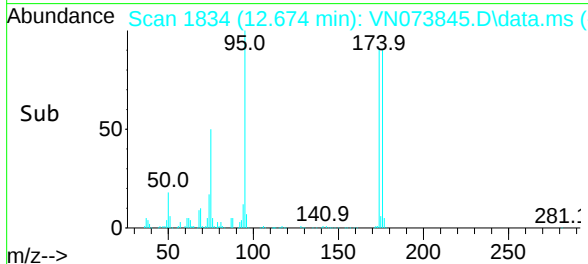
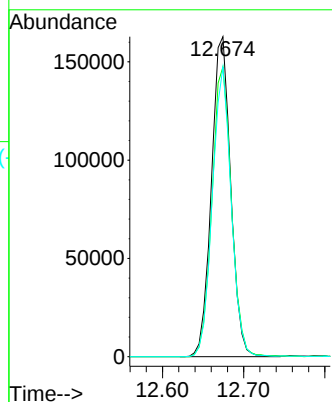
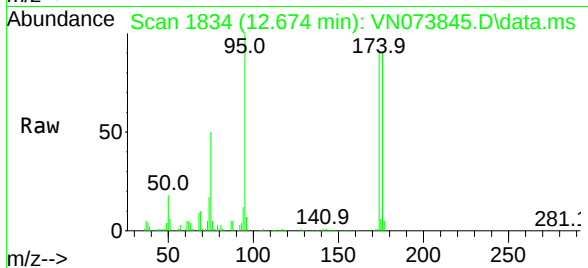




#62
4-Bromofluorobenzene
Concen: 47.986 ug/l
RT: 12.674 min Scan# 1834
Delta R.T. 0.000 min
Lab File: VN073845.D
Acq: 12 Aug 2022 12:32

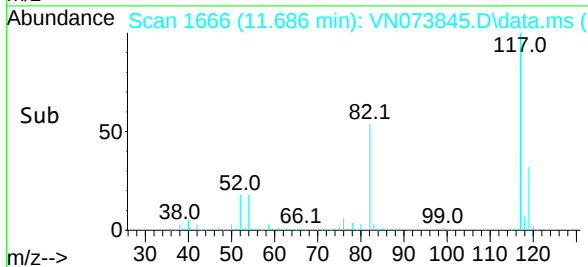
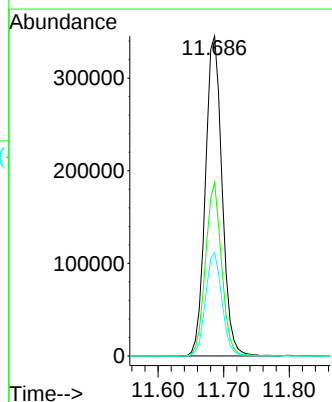
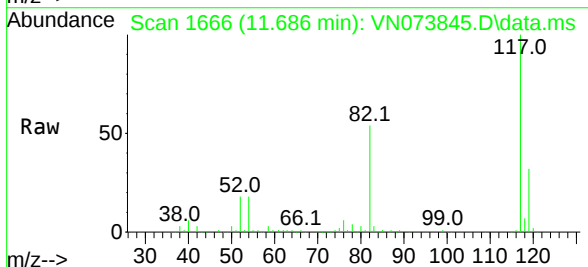
Instrument :
MSVOA_N
ClientSampleId :
WC-4RE

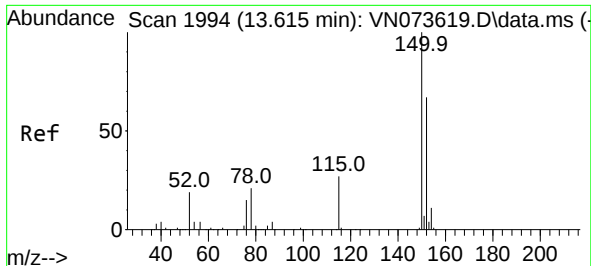
Tgt Ion: 95 Resp: 268688
Ion Ratio Lower Upper
95 100
174 91.0 0.0 167.6
176 88.1 0.0 163.4



#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 11.686 min Scan# 1666
Delta R.T. -0.000 min
Lab File: VN073845.D
Acq: 12 Aug 2022 12:32

Tgt Ion: 117 Resp: 612212
Ion Ratio Lower Upper
117 100
82 54.3 44.2 66.2
119 32.2 25.4 38.0

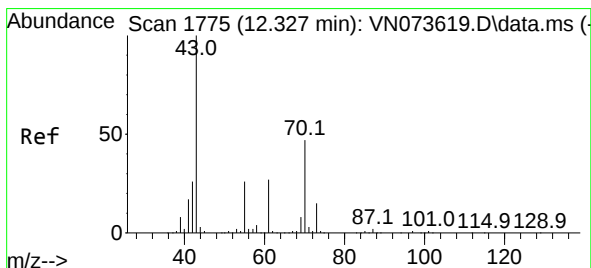
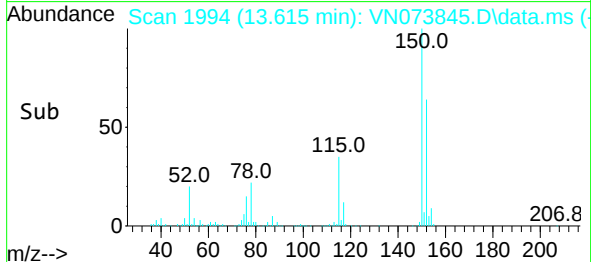
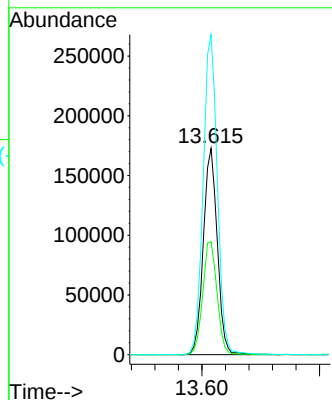
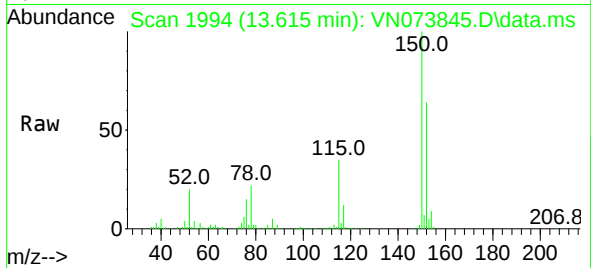




#72
1,4-Dichlorobenzene-d4
Concen: 50.000 ug/l
RT: 13.615 min Scan# 1994
Delta R.T. -0.000 min
Lab File: VN073845.D
Acq: 12 Aug 2022 12:32

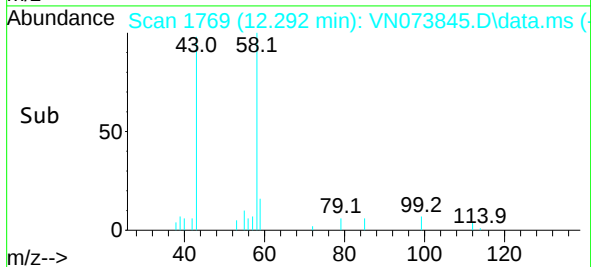
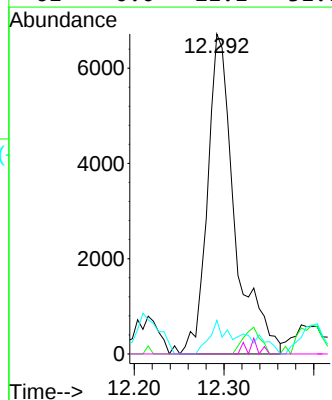
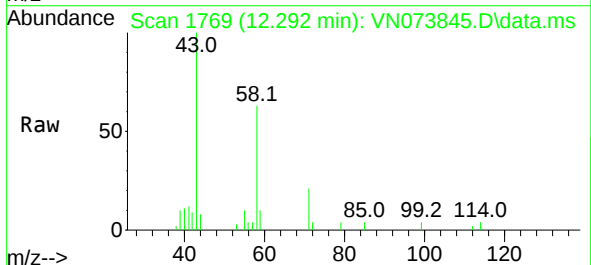
Instrument :
MSVOA_N
ClientSampleId :
WC-4RE

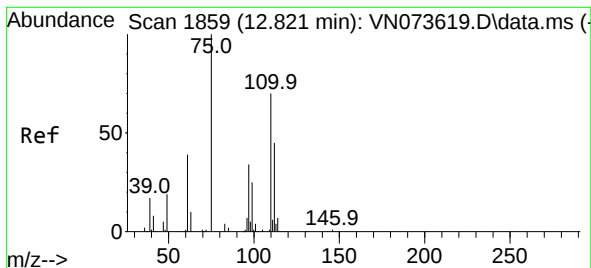
Tgt Ion:152 Resp: 284261
Ion Ratio Lower Upper
152 100
115 56.1 28.9 86.7
150 157.6 0.0 356.2



#74
N-ethyl acetate
Concen: 1.798 ug/l
RT: 12.292 min Scan# 1769
Delta R.T. -0.035 min
Lab File: VN073845.D
Acq: 12 Aug 2022 12:32

Tgt Ion: 43 Resp: 14139
Ion Ratio Lower Upper
43 100
70 0.0 39.0 58.4#
55 6.7 21.1 31.7#
61 0.0 21.1 31.7#





#76

1,2,3-Trichloropropane

Concen: 23.856 ug/l

RT: 12.674 min Scan# 1834

Delta R.T. -0.147 min

Lab File: VN073845.D

Acq: 12 Aug 2022 12:32

Instrument :

MSVOA_N

ClientSampleId :

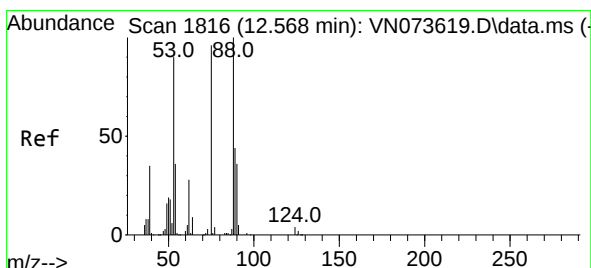
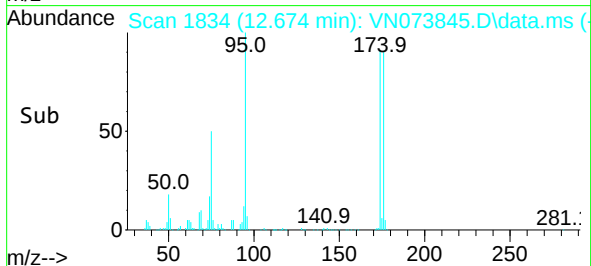
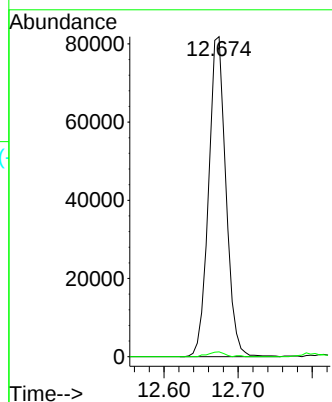
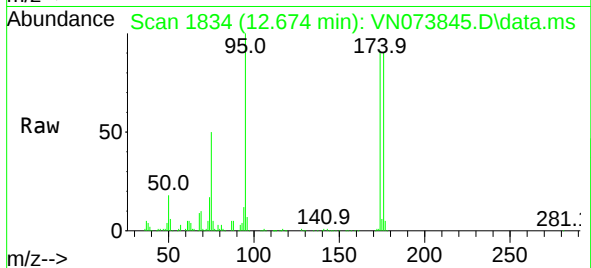
WC-4RE

Tgt Ion: 75 Resp: 133009

Ion Ratio Lower Upper

75 100

77 1.4 98.5 295.5#



#81

trans-1,4-Dichloro-2-butene

Concen: 60.638 ug/l

RT: 12.674 min Scan# 1834

Delta R.T. 0.106 min

Lab File: VN073845.D

Acq: 12 Aug 2022 12:32

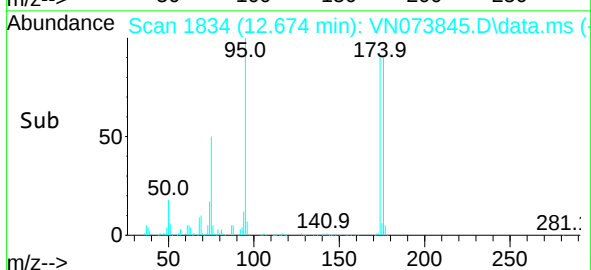
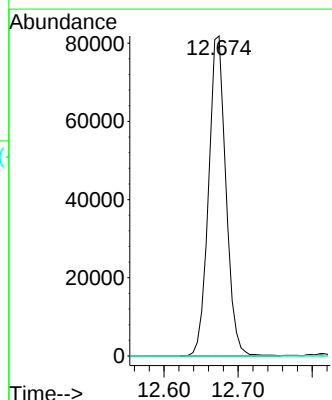
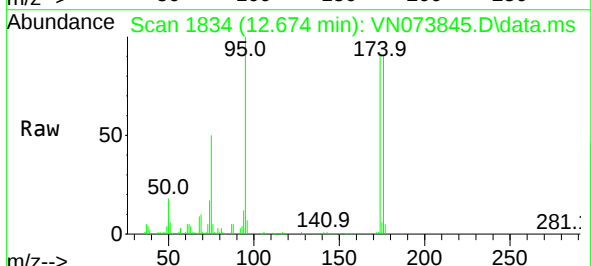
Tgt Ion: 75 Resp: 133009

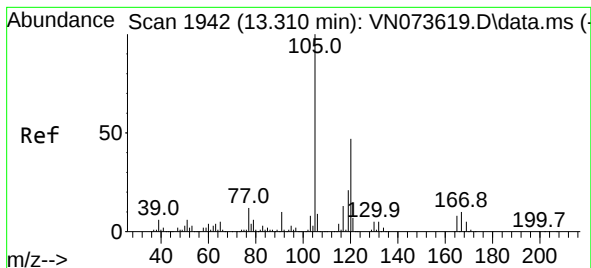
Ion Ratio Lower Upper

75 100

53 0.0 78.0 117.0#

89 0.0 37.2 55.8#





#84

1,2,4-Trimethylbenzene

Concen: 0.281 ug/l

RT: 13.310 min Scan# 1942

Delta R.T. -0.000 min

Lab File: VN073845.D

Acq: 12 Aug 2022 12:32

Instrument :

MSVOA_N

ClientSampleId :

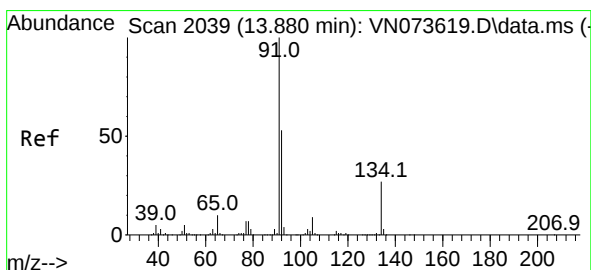
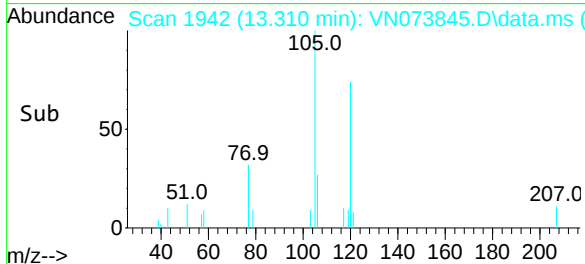
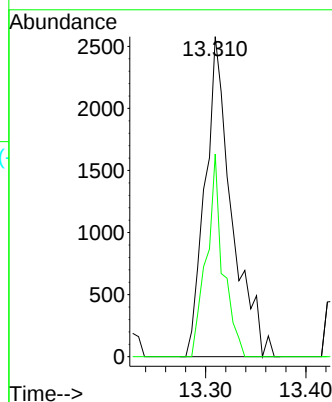
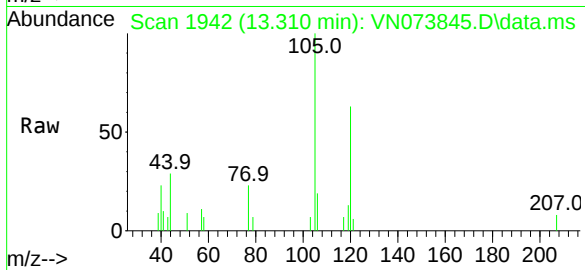
WC-4RE

Tgt Ion:105 Resp: 4739

Ion Ratio Lower Upper

105 100

120 39.4 23.3 69.8



#89

n-Butylbenzene

Concen: 0.207 ug/l

RT: 13.880 min Scan# 2039

Delta R.T. -0.000 min

Lab File: VN073845.D

Acq: 12 Aug 2022 12:32

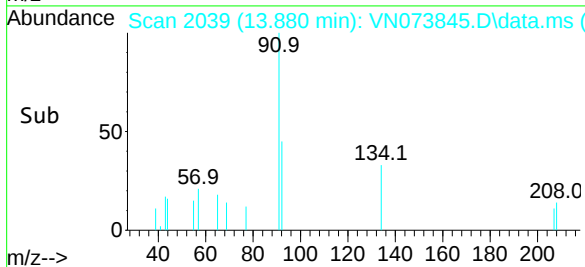
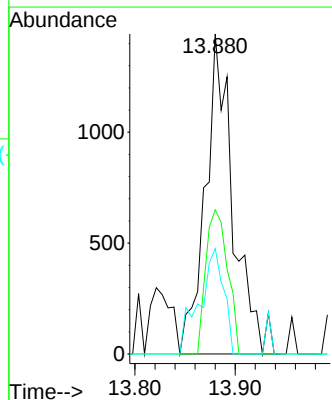
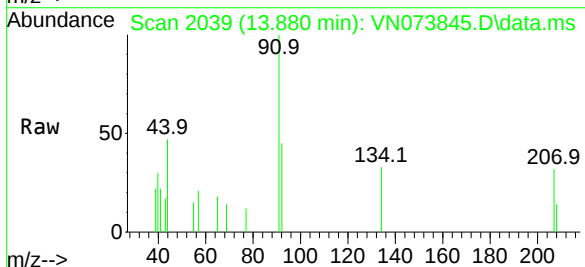
Tgt Ion: 91 Resp: 2779

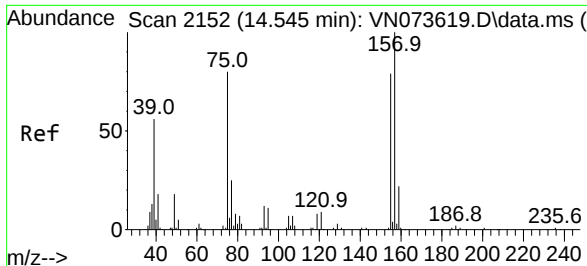
Ion Ratio Lower Upper

91 100

92 35.2 26.9 80.7

134 28.9 13.6 40.8

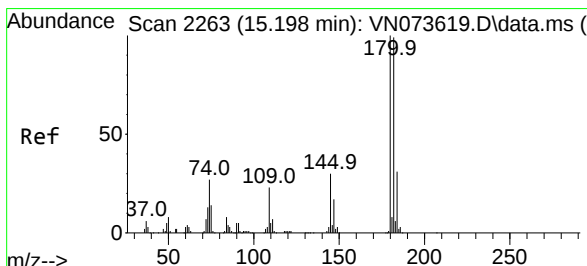
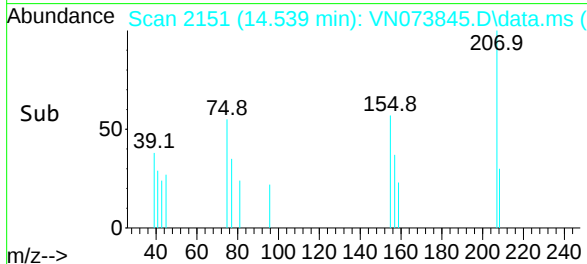
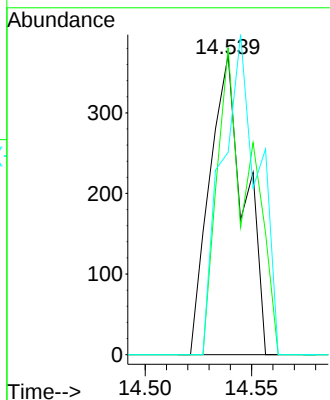
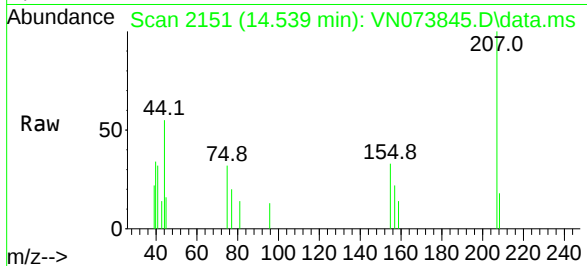




#92
1,2-Dibromo-3-Chloropropane
Concen: 0.262 ug/l
RT: 14.539 min Scan# 2151
Delta R.T. -0.006 min
Lab File: VN073845.D
Acq: 12 Aug 2022 12:32

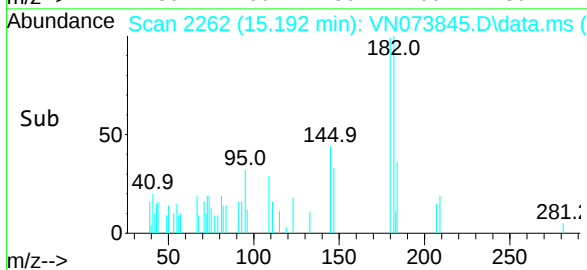
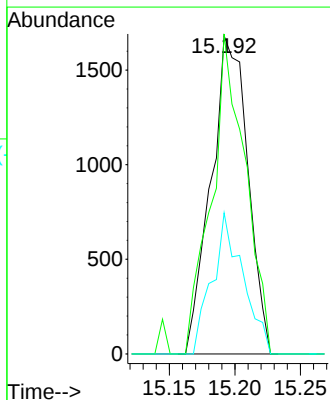
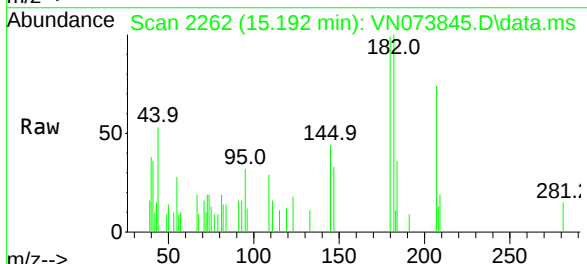
Instrument :
MSVOA_N
ClientSampleId :
WC-4RE

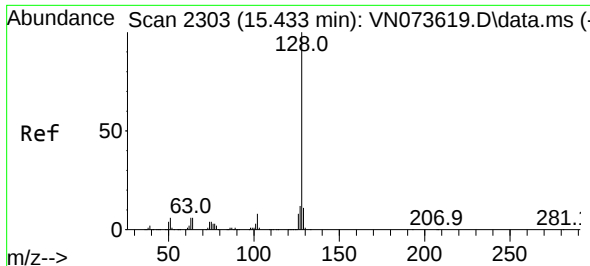
Tgt Ion: 75 Resp: 423
Ion Ratio Lower Upper
75 100
155 96.5 44.9 134.5
157 111.8 59.0 176.8



#93
1,2,4-Trichlorobenzene
Concen: 0.659 ug/l
RT: 15.192 min Scan# 2262
Delta R.T. -0.006 min
Lab File: VN073845.D
Acq: 12 Aug 2022 12:32

Tgt Ion: 180 Resp: 3278
Ion Ratio Lower Upper
180 100
182 92.9 47.5 142.5
145 37.2 14.5 43.5

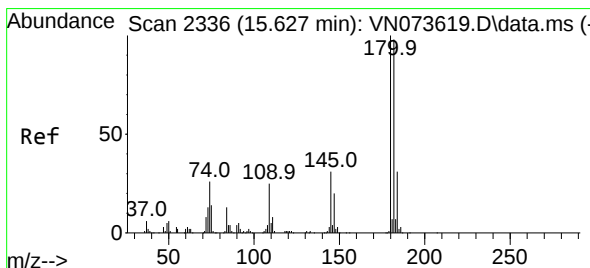
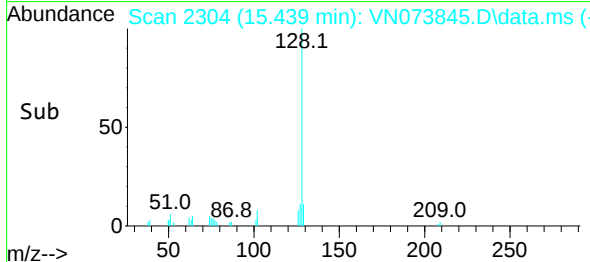
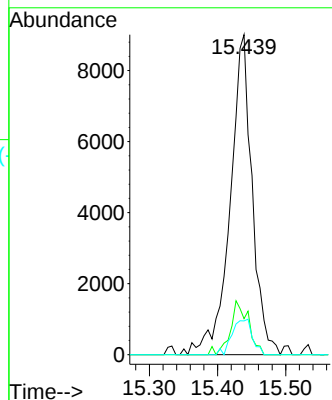
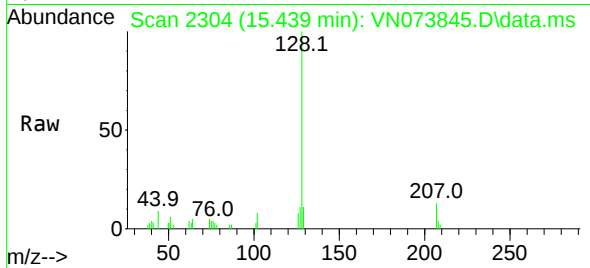




#95
Naphthalene
Concen: 1.258 ug/l
RT: 15.439 min Scan# 21
Delta R.T. 0.006 min
Lab File: VN073845.D
Acq: 12 Aug 2022 12:32

Instrument :
MSVOA_N
ClientSampleId :
WC-4RE

Tgt Ion:128 Resp: 20312
Ion Ratio Lower Upper
128 100
127 13.9 10.3 15.5
129 10.1 8.6 13.0



#96
1,2,3-Trichlorobenzene
Concen: 0.750 ug/l
RT: 15.621 min Scan# 2335
Delta R.T. -0.006 min
Lab File: VN073845.D
Acq: 12 Aug 2022 12:32

Tgt Ion:180 Resp: 3927
Ion Ratio Lower Upper
180 100
182 103.1 47.8 143.3
145 43.9 15.5 46.5

