

Data Path : Z:\voasrv\HPCHEM1\MSVOA_N\Data\VN090922\
 Data File : VN074384.D
 Acq On : 09 Sep 2022 19:45
 Operator : JC\MD
 Sample : N4471-05
 Misc : 5.0mL/MSVOA_N/WATER
 ALS Vial : 17 Sample Multiplier: 1

Instrument :
 MSVOA_N
 ClientSampleId :
 MW-11A-11-16-083022-FD

Quant Time: Sep 10 07:25:49 2022
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA_N\methods\82N090922W.M
 Quant Title : SW846 8260
 QLast Update : Sat Sep 10 06:10:29 2022
 Response via : Initial Calibration

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

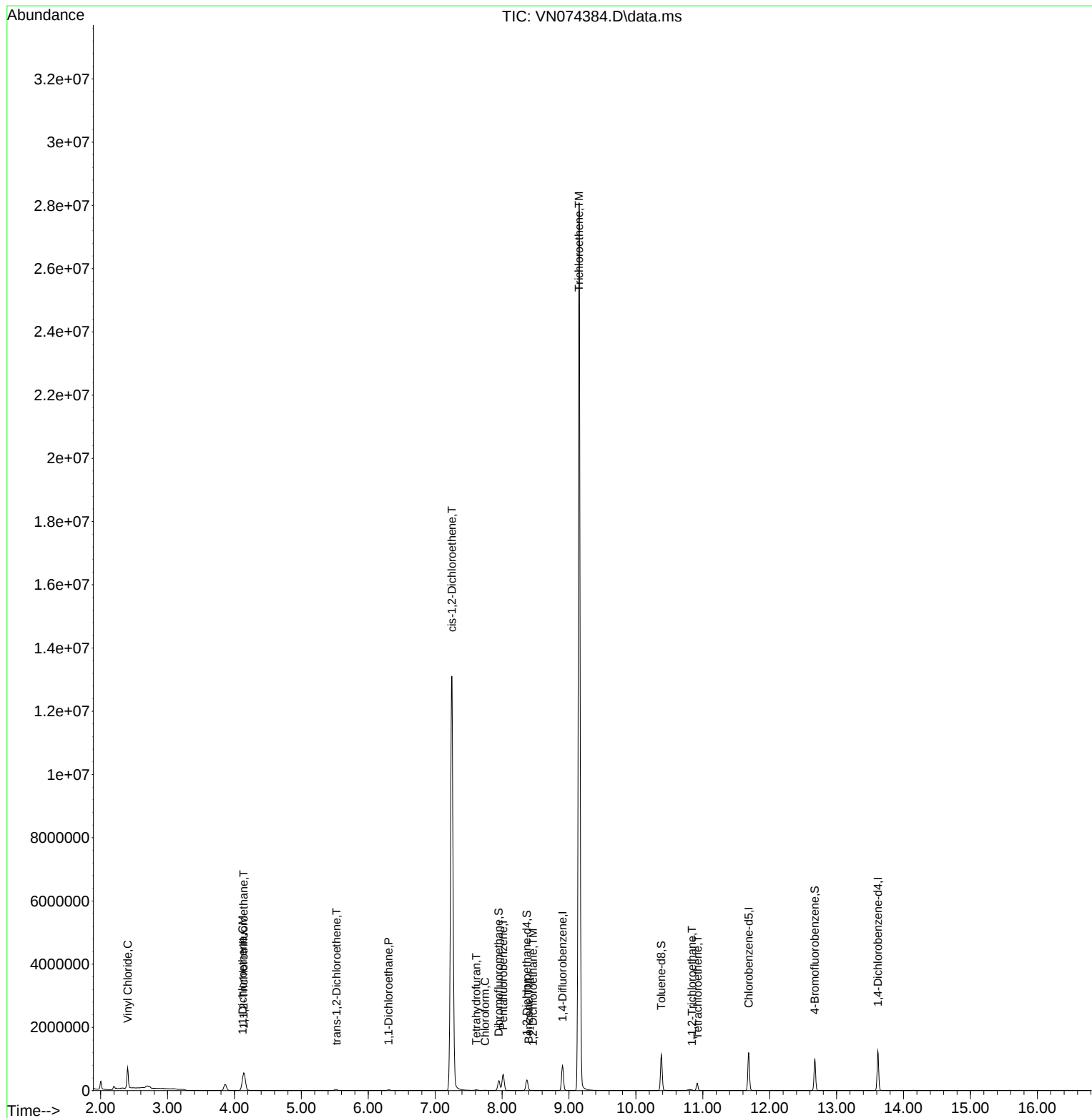
Internal Standards						
1) Pentafluorobenzene	8.016	168	367754	50.000	ug/l	0.00
34) 1,4-Difluorobenzene	8.904	114	641722	50.000	ug/l	0.00
63) Chlorobenzene-d5	11.686	117	624443	50.000	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.615	152	296377	50.000	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	8.369	65	259126	40.726	ug/l	0.00
Spiked Amount	50.000	Range	74 - 125	Recovery	=	81.460%
35) Dibromofluoromethane	7.951	113	218106	50.345	ug/l	0.00
Spiked Amount	50.000	Range	75 - 124	Recovery	=	100.680%
50) Toluene-d8	10.380	98	736657	43.640	ug/l	0.00
Spiked Amount	50.000	Range	86 - 113	Recovery	=	87.280%
62) 4-Bromofluorobenzene	12.674	95	300664	49.058	ug/l	0.00
Spiked Amount	50.000	Range	83 - 123	Recovery	=	98.120%
Target Compounds						
					Qvalue	
4) Vinyl Chloride	2.404	62	557578	70.029	ug/l	95
9) 1,1,2-Trichlorotrifluo...	4.140	101	349234	74.129	ug/l	98
12) 1,1-Dichloroethene	4.122	96	25030	5.460	ug/l	94
21) trans-1,2-Dichloroethene	5.528	96	20068	3.907	ug/l	96
24) 1,1-Dichloroethane	6.304	63	32036	3.079	ug/l #	85
27) cis-1,2-Dichloroethene	7.251	96	7333276	1158.715	ug/l	90
29) Tetrahydrofuran	7.616	42	18196	4.774	ug/l	98
30) Chloroform	7.745	83	2838	0.273	ug/l #	70
40) Benzene	8.398	78	12320	0.564	ug/l	95
42) 1,2-Dichloroethane	8.463	62	3078	0.368	ug/l	97
44) Trichloroethene	9.151	130	8148744	1663.346	ug/l	100
55) 1,1,2-Trichloroethane	10.839	97	2709	0.486	ug/l #	88
64) Tetrachloroethene	10.922	164	45838	10.828	ug/l	81

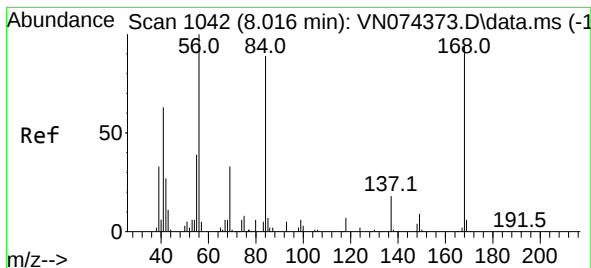
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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Quant Title : SW846 8260
QLast Update : Sat Sep 10 06:10:29 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: VN074384.D

Acq: 09 Sep 2022 19:45

Instrument :

MSVOA_N

ClientSampleId :

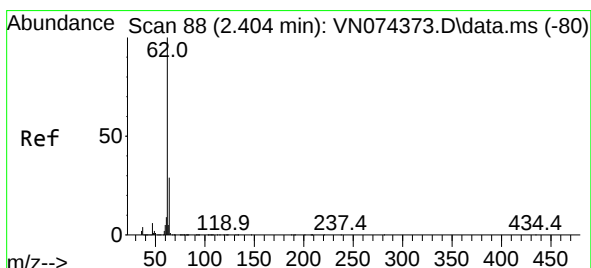
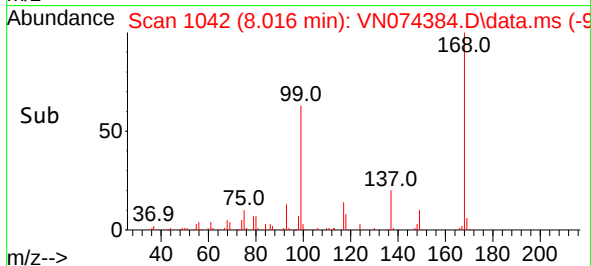
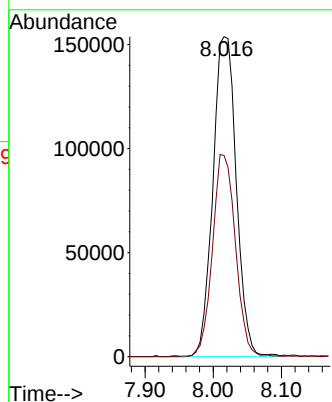
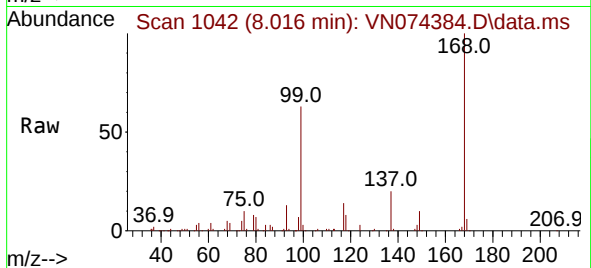
MW-11A-11-16-083022-FD

Tgt Ion:168 Resp: 367754

Ion Ratio Lower Upper

168 100

99 62.8 52.8 79.2



#4

Vinyl Chloride

Concen: 70.029 ug/l

RT: 2.404 min Scan# 88

Delta R.T. 0.000 min

Lab File: VN074384.D

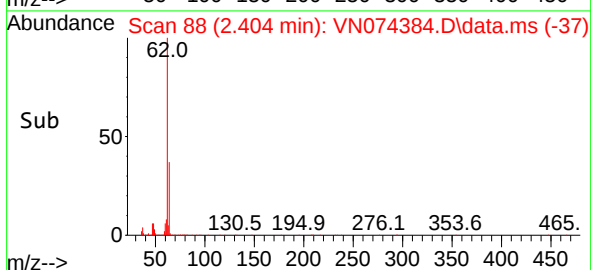
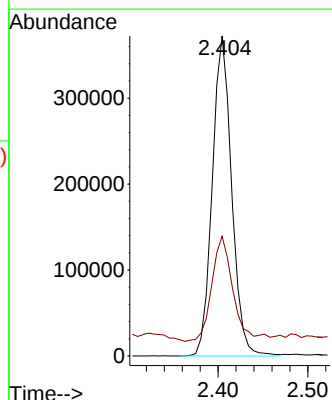
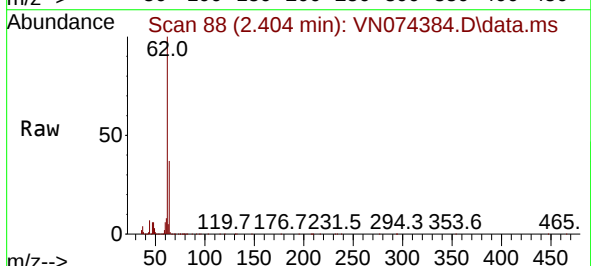
Acq: 09 Sep 2022 19:45

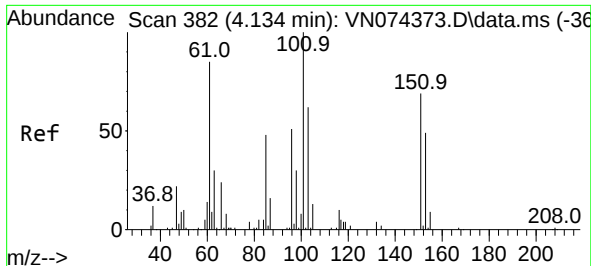
Tgt Ion: 62 Resp: 557578

Ion Ratio Lower Upper

62 100

64 32.3 23.5 35.3

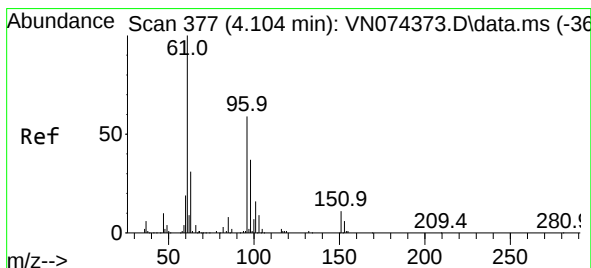
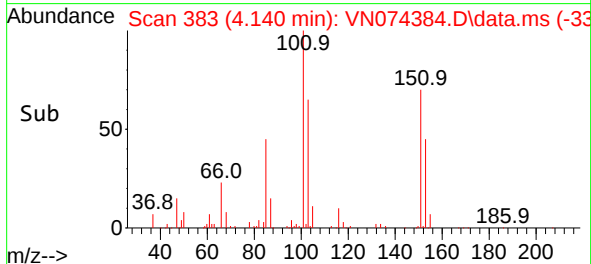
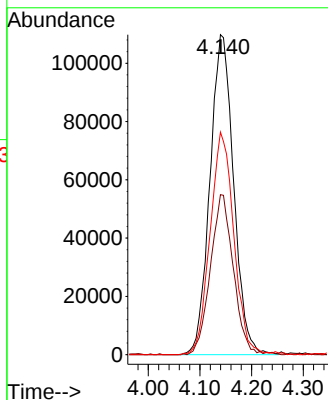
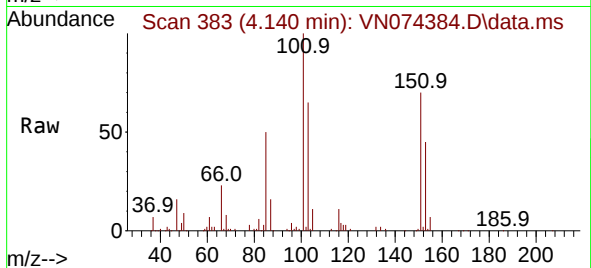




#9
1,1,2-Trichlorotrifluoroethane
Concen: 74.129 ug/l
RT: 4.140 min Scan# 382
Delta R.T. 0.006 min
Lab File: VN074384.D
Acq: 09 Sep 2022 19:45

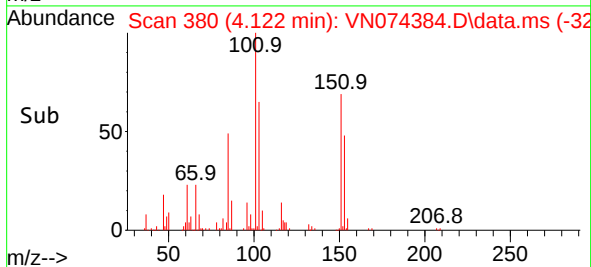
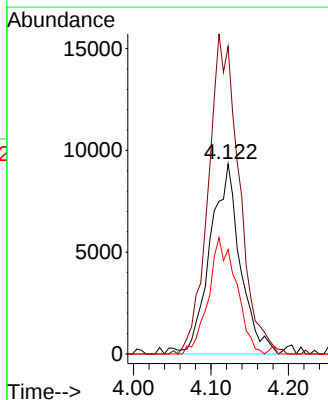
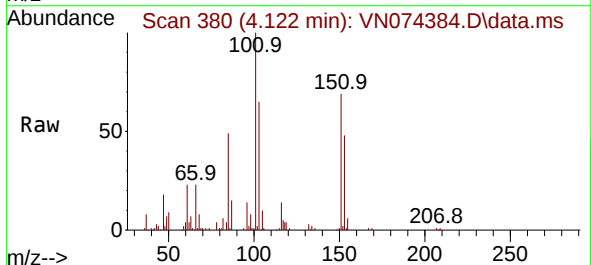
Instrument :
MSVOA_N
ClientSampleId :
MW-11A-11-16-083022-FD

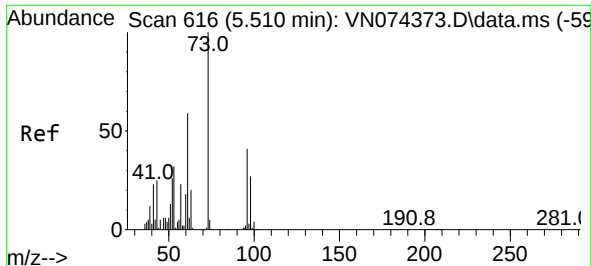
Tgt Ion:101 Resp: 349234
Ion Ratio Lower Upper
101 100
85 48.5 39.5 59.3
151 69.7 57.8 86.6



#12
1,1-Dichloroethene
Concen: 5.460 ug/l
RT: 4.122 min Scan# 380
Delta R.T. 0.018 min
Lab File: VN074384.D
Acq: 09 Sep 2022 19:45

Tgt Ion: 96 Resp: 25030
Ion Ratio Lower Upper
96 100
61 161.8 134.7 202.1
98 54.9 50.2 75.4

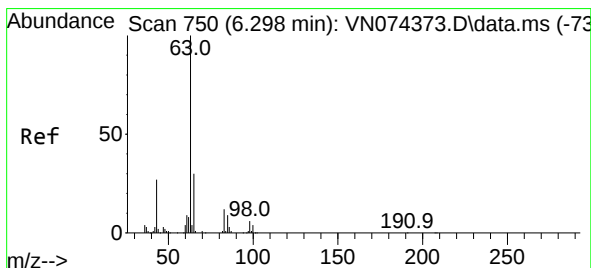
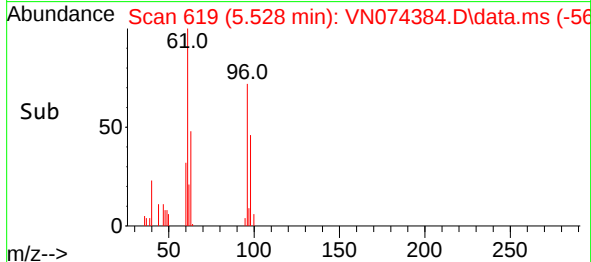
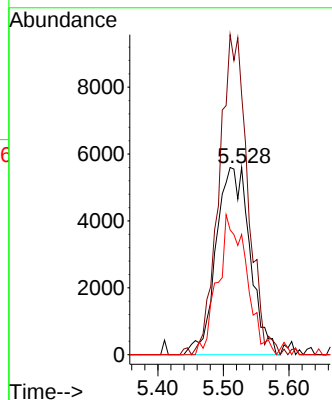
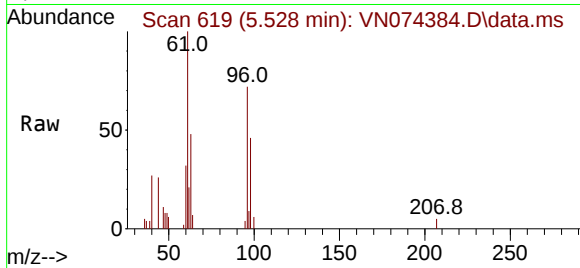




#21
trans-1,2-Dichloroethene
Concen: 3.907 ug/l
RT: 5.528 min Scan# 616
Delta R.T. 0.018 min
Lab File: VN074384.D
Acq: 09 Sep 2022 19:45

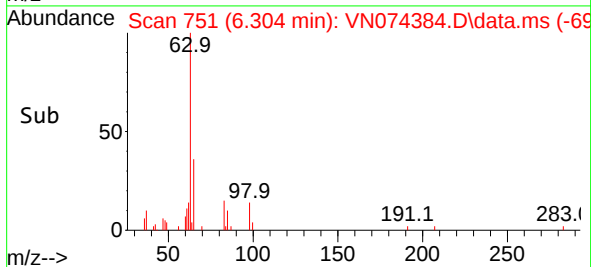
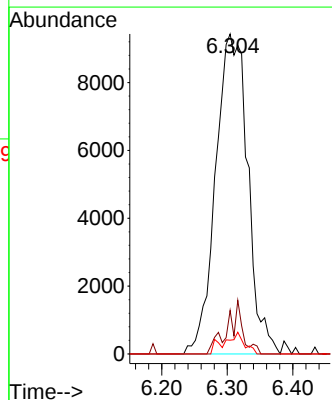
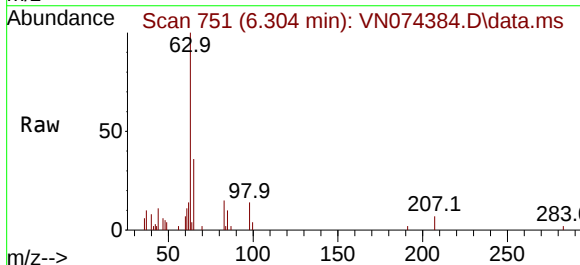
Instrument :
MSVOA_N
ClientSampleId :
MW-11A-11-16-083022-FD

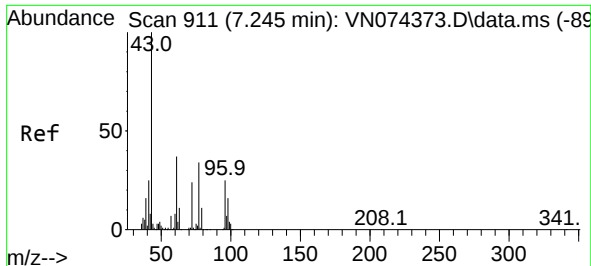
Tgt Ion: 96 Resp: 20068
Ion Ratio Lower Upper
96 100
61 138.8 115.3 172.9
98 64.2 53.4 80.0



#24
1,1-Dichloroethane
Concen: 3.079 ug/l
RT: 6.304 min Scan# 751
Delta R.T. 0.006 min
Lab File: VN074384.D
Acq: 09 Sep 2022 19:45

Tgt Ion: 63 Resp: 32036
Ion Ratio Lower Upper
63 100
98 13.6 2.9 8.6#
100 4.3 2.0 5.8





#27

cis-1,2-Dichloroethene

Concen: 1158.715 ug/l

RT: 7.251 min Scan# 911

Delta R.T. 0.006 min

Lab File: VN074384.D

Acq: 09 Sep 2022 19:45

Instrument :

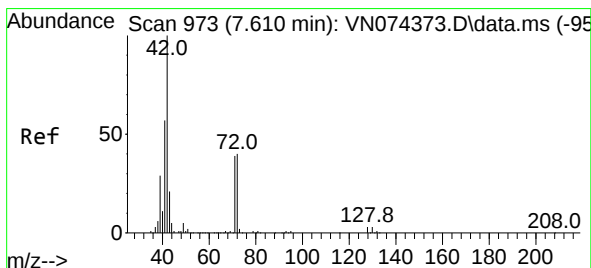
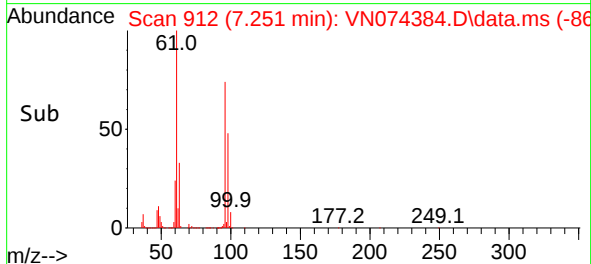
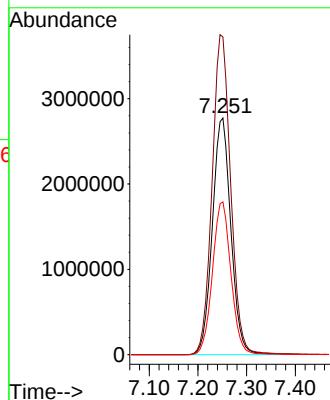
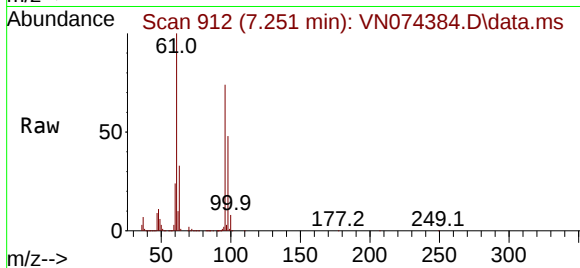
MSVOA_N

ClientSampleId :

MW-11A-11-16-083022-FD

Tgt Ion: 96 Resp: 7333276

Ion	Ratio	Lower	Upper
96	100		
61	135.8	0.0	306.2
98	64.7	0.0	129.8



#29

Tetrahydrofuran

Concen: 4.774 ug/l

RT: 7.616 min Scan# 974

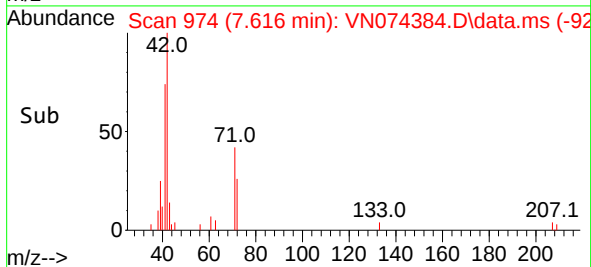
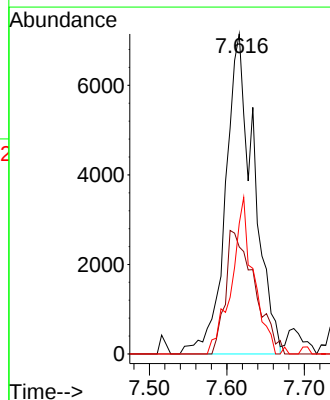
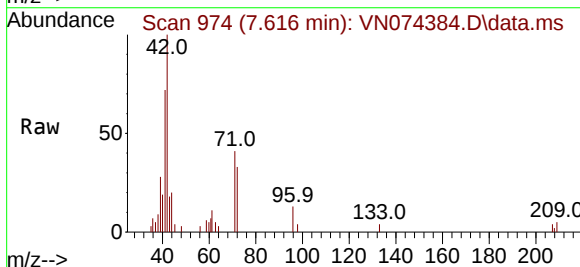
Delta R.T. 0.006 min

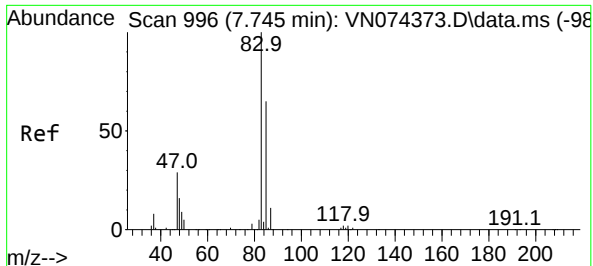
Lab File: VN074384.D

Acq: 09 Sep 2022 19:45

Tgt Ion: 42 Resp: 18196

Ion	Ratio	Lower	Upper
42	100		
72	39.5	32.7	49.1
71	37.5	31.0	46.6

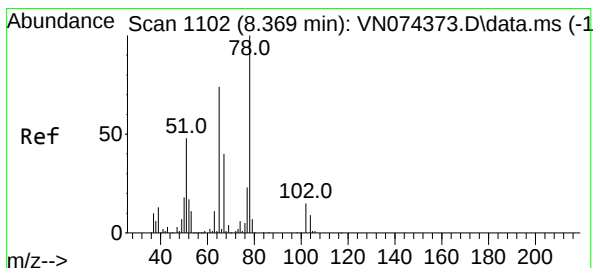
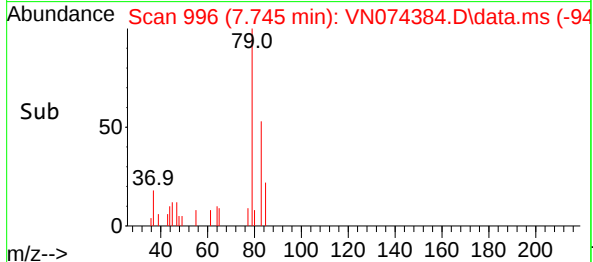
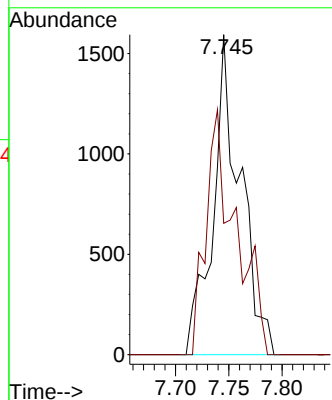
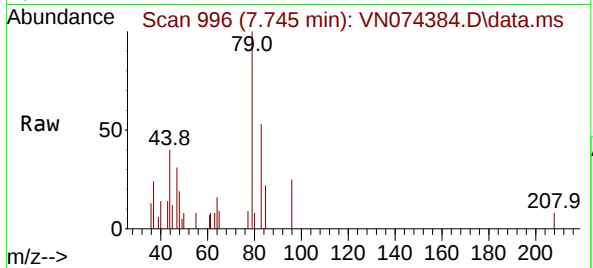




#30
Chloroform
Concen: 0.273 ug/l
RT: 7.745 min Scan# 996
Delta R.T. 0.000 min
Lab File: VN074384.D
Acq: 09 Sep 2022 19:45

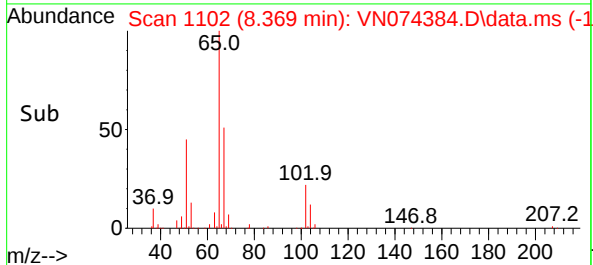
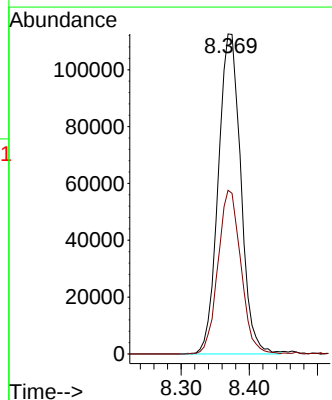
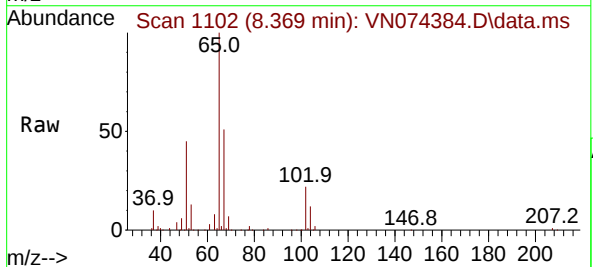
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ClientSampleId :
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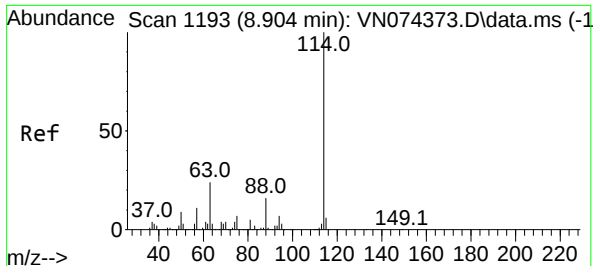
Tgt Ion: 83 Resp: 2838
Ion Ratio Lower Upper
83 100
85 41.0 51.8 77.6#



#33
1,2-Dichloroethane-d4
Concen: 40.726 ug/l
RT: 8.369 min Scan# 1102
Delta R.T. 0.000 min
Lab File: VN074384.D
Acq: 09 Sep 2022 19:45

Tgt Ion: 65 Resp: 259126
Ion Ratio Lower Upper
65 100
67 51.9 0.0 102.4





#34

1,4-Difluorobenzene

Concen: 50.000 ug/l

RT: 8.904 min Scan# 1193

Delta R.T. 0.000 min

Lab File: VN074384.D

Acq: 09 Sep 2022 19:45

Instrument :

MSVOA_N

ClientSampleId :

MW-11A-11-16-083022-FD

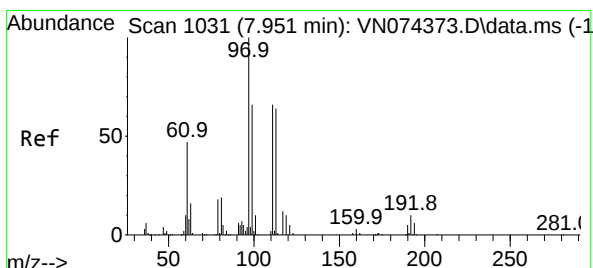
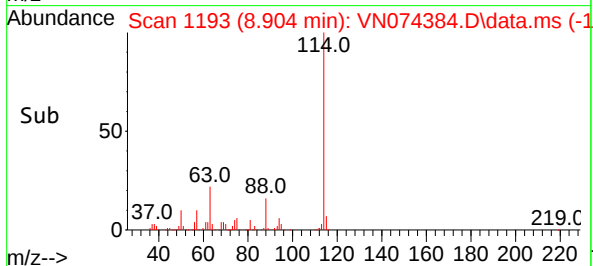
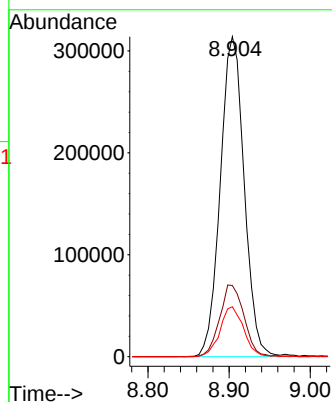
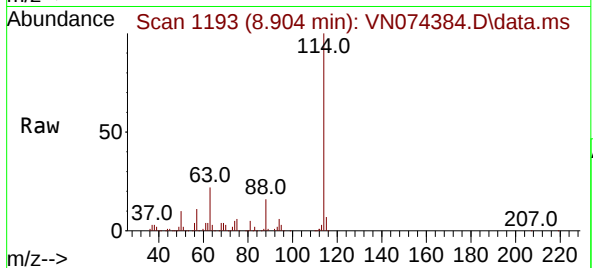
Tgt Ion:114 Resp: 641722

Ion Ratio Lower Upper

114 100

63 22.2 0.0 47.6

88 15.6 0.0 31.4



#35

Dibromofluoromethane

Concen: 50.345 ug/l

RT: 7.951 min Scan# 1031

Delta R.T. 0.000 min

Lab File: VN074384.D

Acq: 09 Sep 2022 19:45

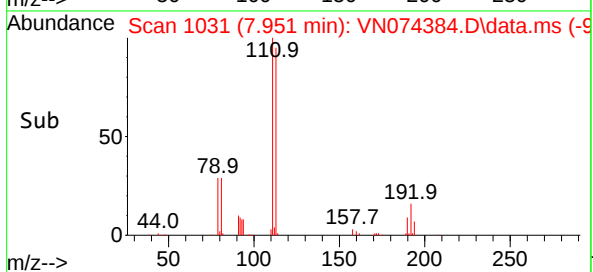
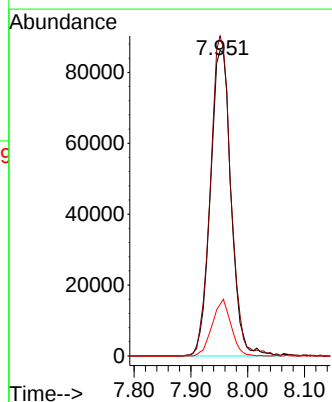
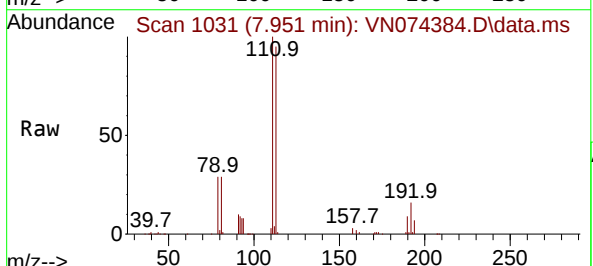
Tgt Ion:113 Resp: 218106

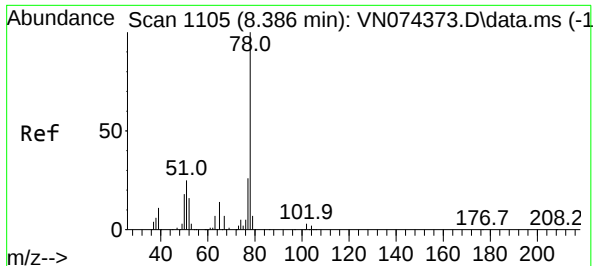
Ion Ratio Lower Upper

113 100

111 103.3 83.0 124.4

192 16.8 13.7 20.5

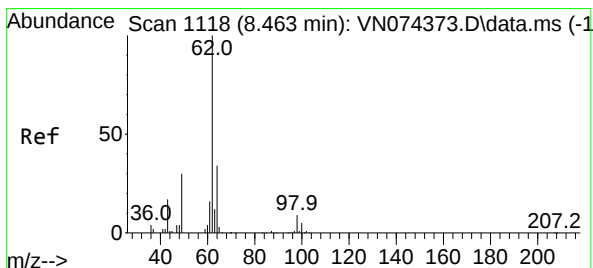
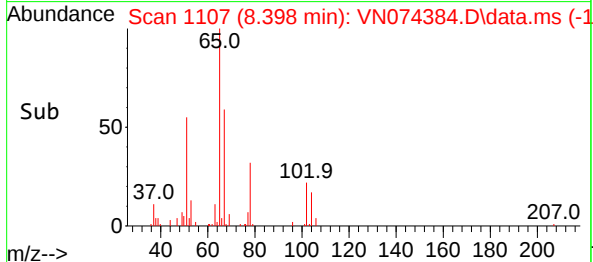
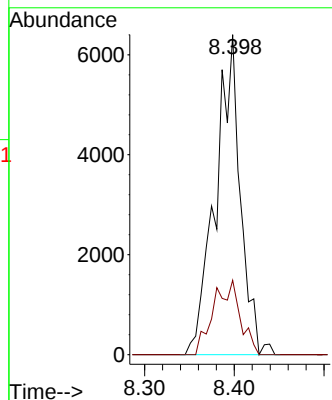
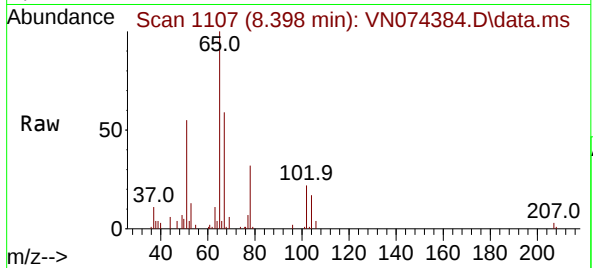




#40
Benzene
Concen: 0.564 ug/l
RT: 8.398 min Scan# 1107
Delta R.T. 0.012 min
Lab File: VN074384.D
Acq: 09 Sep 2022 19:45

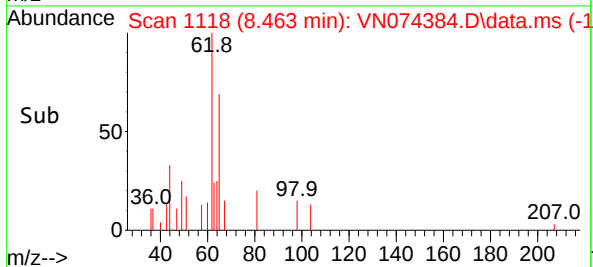
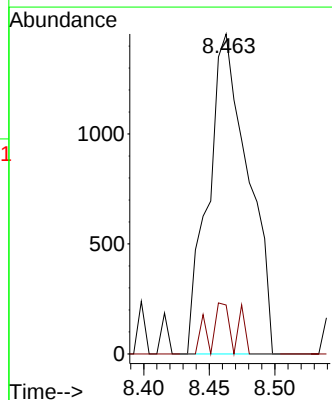
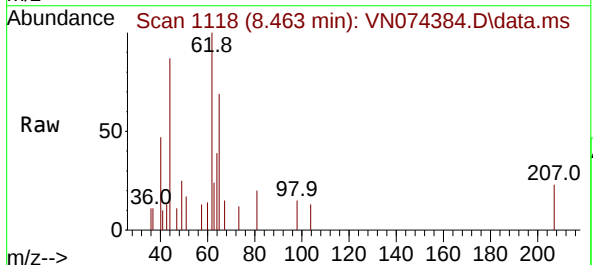
Instrument :
MSVOA_N
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MW-11A-11-16-083022-FD

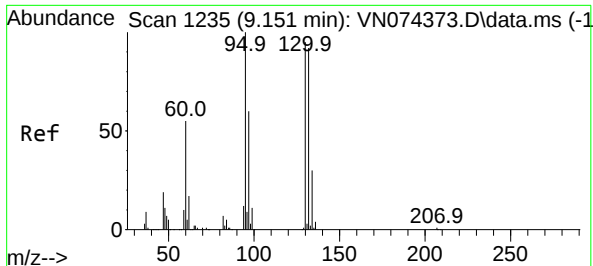
Tgt Ion: 78 Resp: 12320
Ion Ratio Lower Upper
78 100
77 23.3 20.6 31.0



#42
1,2-Dichloroethane
Concen: 0.368 ug/l
RT: 8.463 min Scan# 1118
Delta R.T. 0.000 min
Lab File: VN074384.D
Acq: 09 Sep 2022 19:45

Tgt Ion: 62 Resp: 3078
Ion Ratio Lower Upper
62 100
98 9.8 0.0 17.6

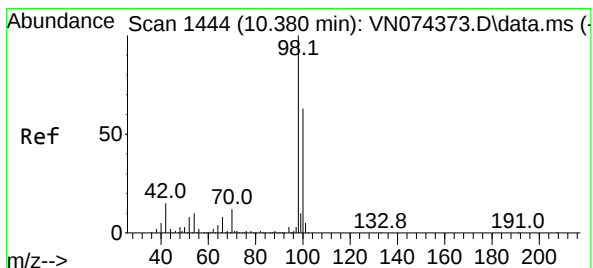
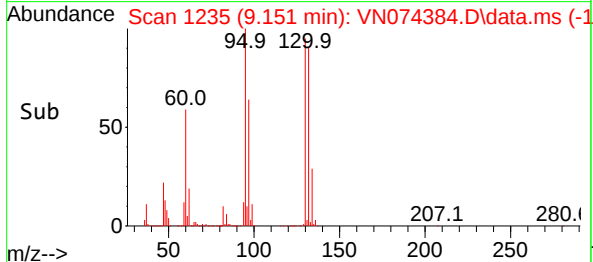
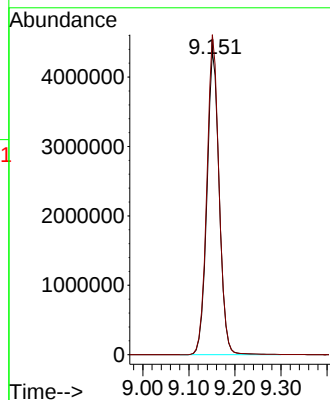
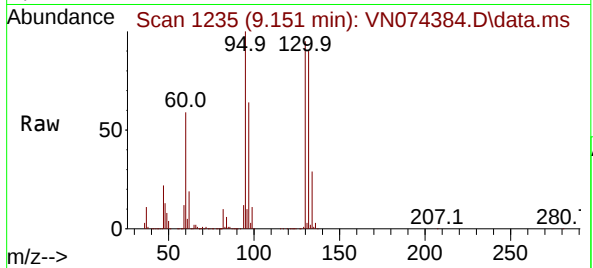




#44
Trichloroethene
Concen: 1663.346 ug/l
RT: 9.151 min Scan# 11
Delta R.T. -0.000 min
Lab File: VN074384.D
Acq: 09 Sep 2022 19:45

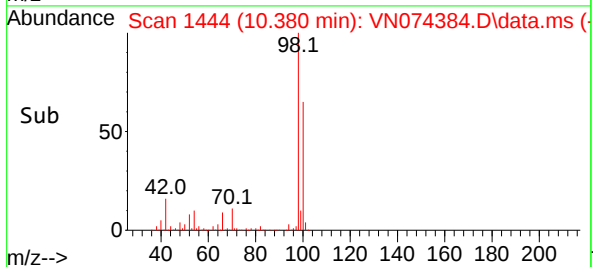
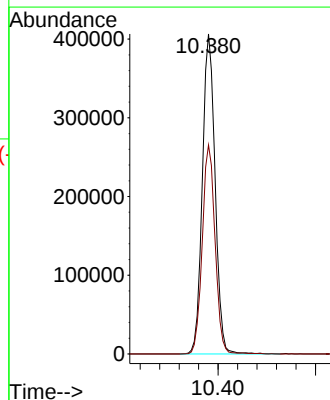
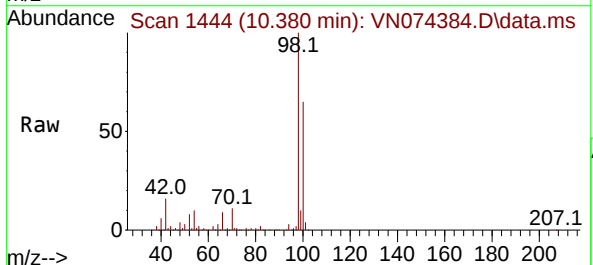
Instrument :
MSVOA_N
ClientSampleId :
MW-11A-11-16-083022-FD

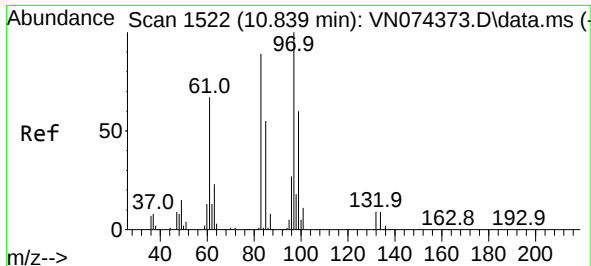
Tgt Ion:130 Resp: 8148744
Ion Ratio Lower Upper
130 100
95 105.4 0.0 210.0



#50
Toluene-d8
Concen: 43.640 ug/l
RT: 10.380 min Scan# 1444
Delta R.T. 0.000 min
Lab File: VN074384.D
Acq: 09 Sep 2022 19:45

Tgt Ion: 98 Resp: 736657
Ion Ratio Lower Upper
98 100
100 65.6 50.6 76.0

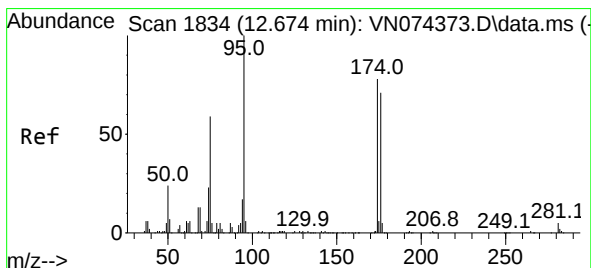
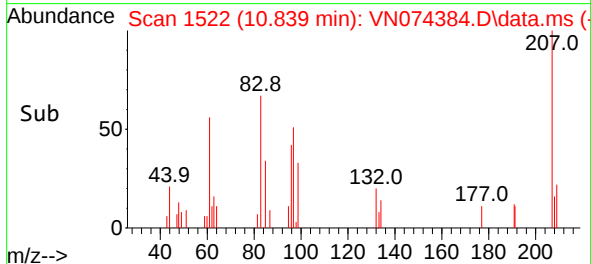
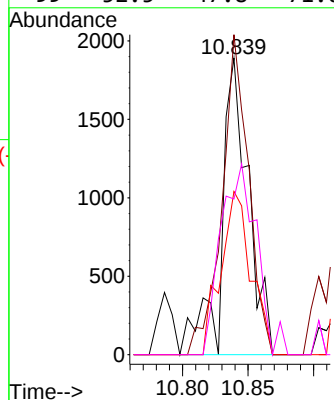
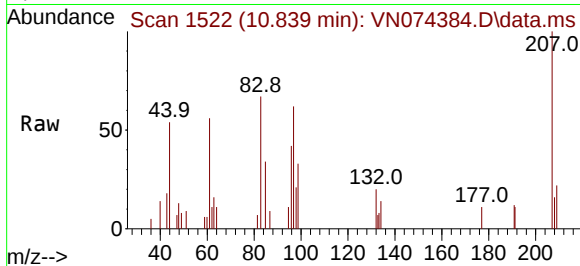




#55
1,1,2-Trichloroethane
Concen: 0.486 ug/l
RT: 10.839 min Scan# 1522
Delta R.T. 0.000 min
Lab File: VN074384.D
Acq: 09 Sep 2022 19:45

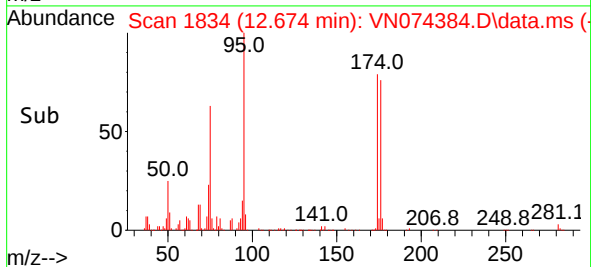
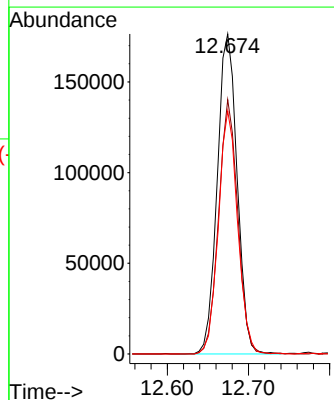
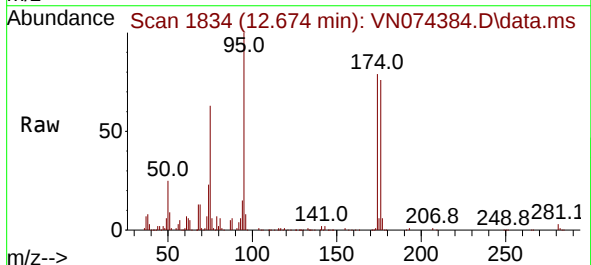
Instrument :
MSVOA_N
ClientSampleId :
MW-11A-11-16-083022-FD

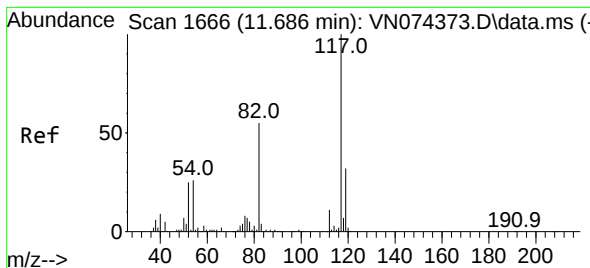
Tgt Ion:	97	Resp:	2709
Ion	Ratio	Lower	Upper
97	100		
83	107.9	70.8	106.2#
85	55.1	44.1	66.1
99	52.5	47.8	71.6



#62
4-Bromofluorobenzene
Concen: 49.058 ug/l
RT: 12.674 min Scan# 1834
Delta R.T. -0.000 min
Lab File: VN074384.D
Acq: 09 Sep 2022 19:45

Tgt Ion:	95	Resp:	300664
Ion	Ratio	Lower	Upper
95	100		
174	76.5	0.0	150.6
176	73.6	0.0	143.4





#63

Chlorobenzene-d5

Concen: 50.000 ug/l

RT: 11.686 min Scan# 1

Delta R.T. 0.000 min

Lab File: VN074384.D

Acq: 09 Sep 2022 19:45

Instrument :

MSVOA_N

ClientSampleId :

MW-11A-11-16-083022-FD

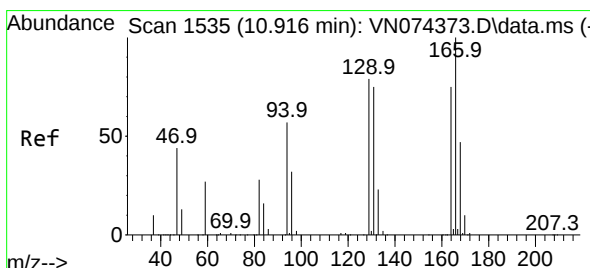
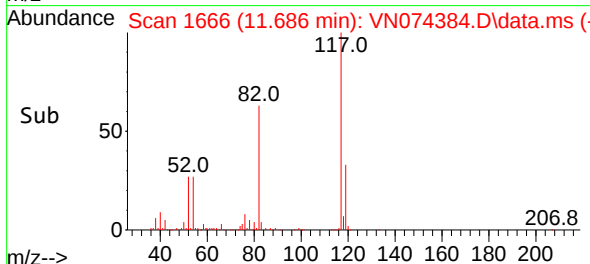
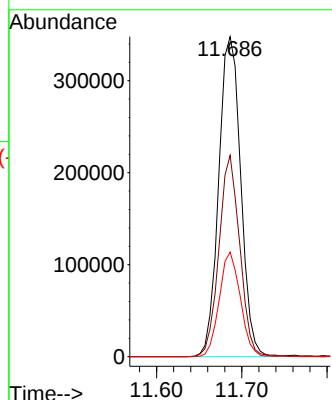
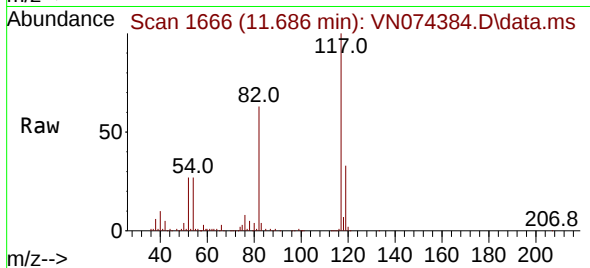
Tgt Ion:117 Resp: 624443

Ion Ratio Lower Upper

117 100

82 62.9 44.3 66.5

119 32.7 25.5 38.3



#64

Tetrachloroethene

Concen: 10.828 ug/l

RT: 10.922 min Scan# 1536

Delta R.T. 0.006 min

Lab File: VN074384.D

Acq: 09 Sep 2022 19:45

Tgt Ion:164 Resp: 45838

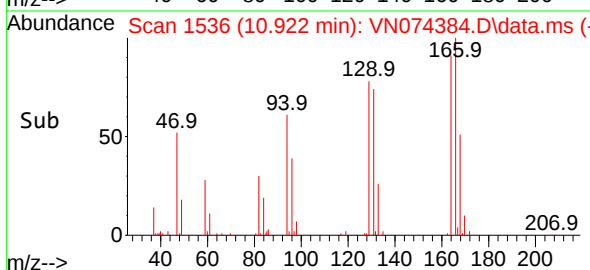
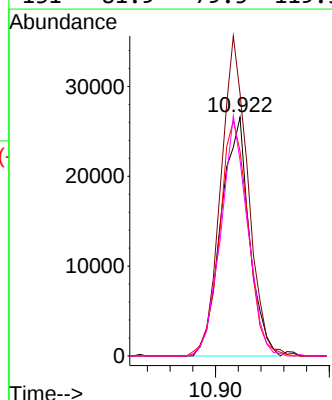
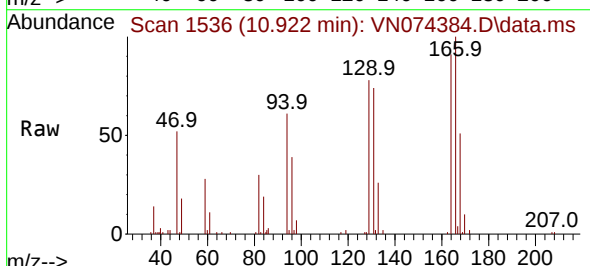
Ion Ratio Lower Upper

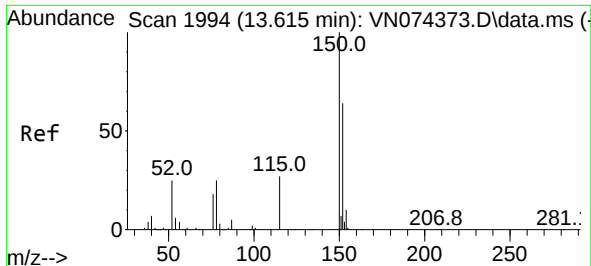
164 100

166 109.9 106.6 160.0

129 85.8 84.0 126.0

131 81.9 79.5 119.3





#72

1,4-Dichlorobenzene-d4

Concen: 50.000 ug/l

RT: 13.615 min Scan# 1994

Delta R.T. 0.000 min

Lab File: VN074384.D

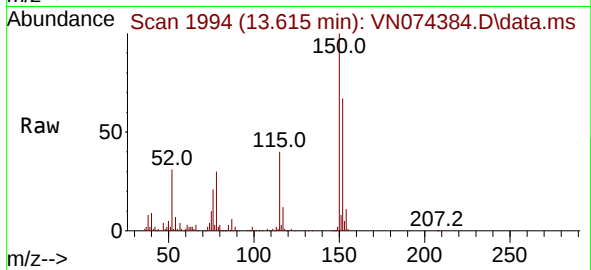
Acq: 09 Sep 2022 19:45

Instrument :

MSVOA_N

ClientSampleId :

MW-11A-11-16-083022-FD



Tgt Ion:152 Resp: 296377

Ion Ratio Lower Upper

152 100

115 62.3 32.0 96.0

150 157.9 0.0 359.6

