

Data Path : Z:\voasrv\HPCHEM1\MSVOA_N\Data\VN090922\
 Data File : VN074383.D
 Acq On : 09 Sep 2022 19:20
 Operator : JC\MD
 Sample : N4471-03
 Misc : 5.0mL/MSVOA_N/WATER
 ALS Vial : 16 Sample Multiplier: 1

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

Quant Time: Sep 10 07:25:23 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)

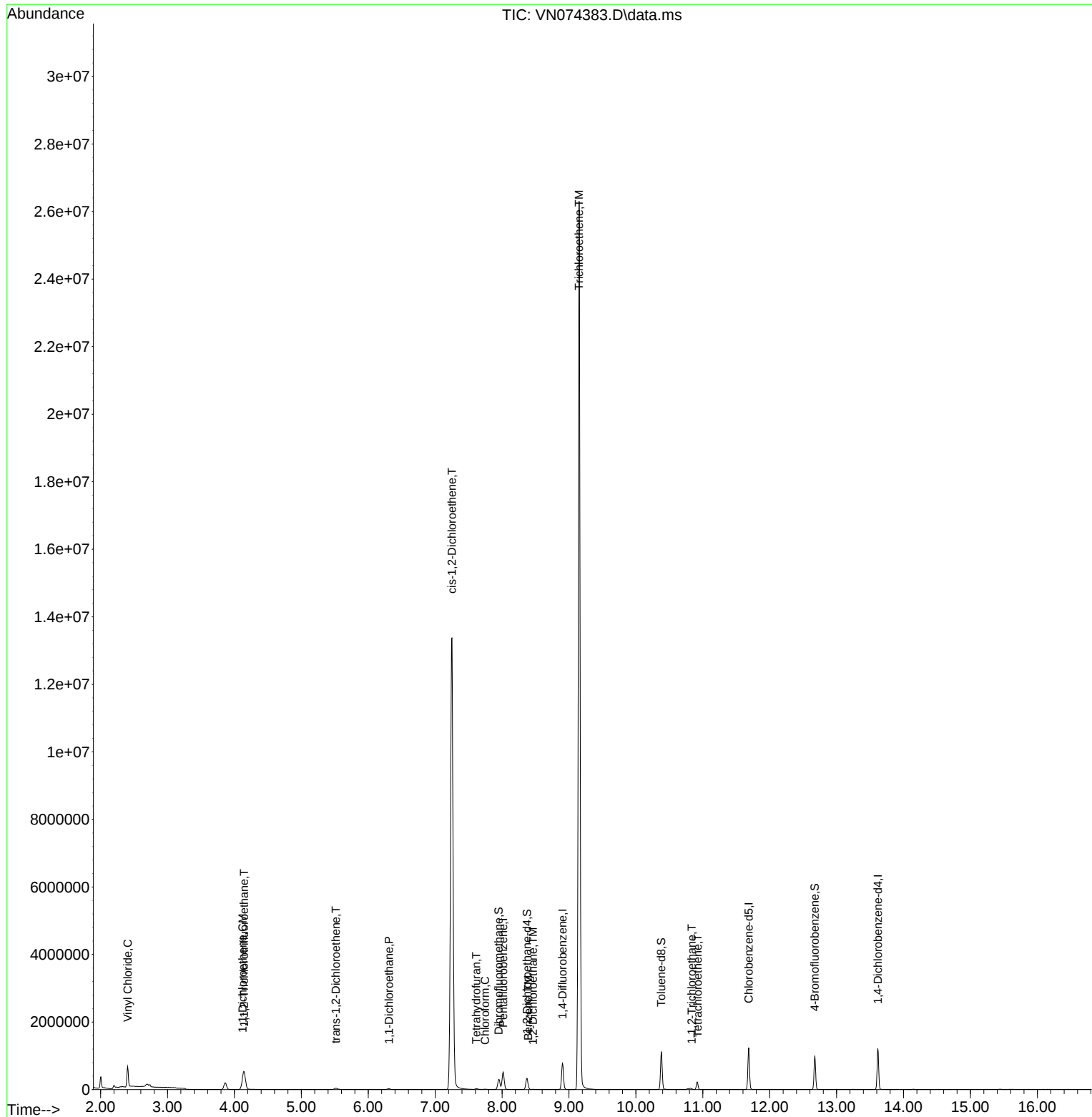
Internal Standards						
1) Pentafluorobenzene	8.016	168	363833	50.000	ug/l	0.00
34) 1,4-Difluorobenzene	8.904	114	640130	50.000	ug/l	0.00
63) Chlorobenzene-d5	11.686	117	623812	50.000	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.616	152	293483	50.000	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	8.375	65	258568	41.076	ug/l	0.00
Spiked Amount	50.000	Range	74 - 125	Recovery	=	82.160%
35) Dibromofluoromethane	7.951	113	215690	49.911	ug/l	0.00
Spiked Amount	50.000	Range	75 - 124	Recovery	=	99.820%
50) Toluene-d8	10.380	98	722506	42.908	ug/l	0.00
Spiked Amount	50.000	Range	86 - 113	Recovery	=	85.820%#
62) 4-Bromofluorobenzene	12.674	95	306072	50.065	ug/l	0.00
Spiked Amount	50.000	Range	83 - 123	Recovery	=	100.120%
Target Compounds						
					Qvalue	
4) Vinyl Chloride	2.405	62	539743	68.519	ug/l	95
9) 1,1,2-Trichlorotrifluo...	4.146	101	337308	72.369	ug/l	98
12) 1,1-Dichloroethene	4.122	96	26287	5.796	ug/l #	77
21) trans-1,2-Dichloroethene	5.516	96	22860	4.498	ug/l	96
24) 1,1-Dichloroethane	6.310	63	33148	3.221	ug/l #	90
27) cis-1,2-Dichloroethene	7.251	96	7471304	1193.247	ug/l	90
29) Tetrahydrofuran	7.616	42	17394	4.613	ug/l #	92
30) Chloroform	7.745	83	3167	0.308	ug/l	91
40) Benzene	8.392	78	12593	0.578	ug/l #	78
42) 1,2-Dichloroethane	8.463	62	3125	0.375	ug/l	89
44) Trichloroethene	9.151	130	7622019	1559.699	ug/l	99
55) 1,1,2-Trichloroethane	10.833	97	4296	0.773	ug/l #	62
64) Tetrachloroethene	10.922	164	43648	10.321	ug/l	94

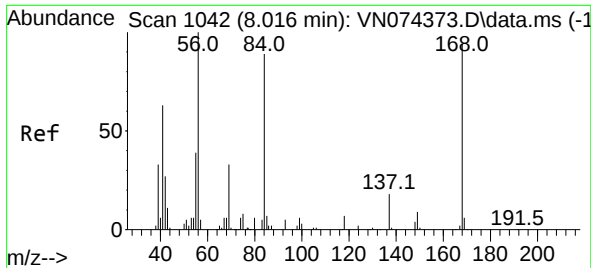
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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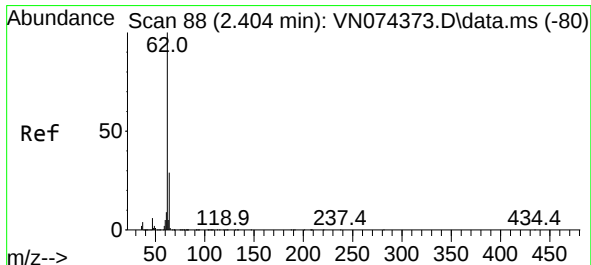
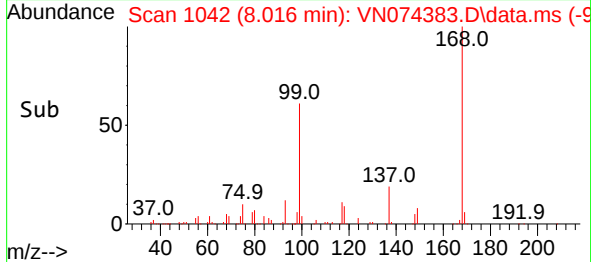
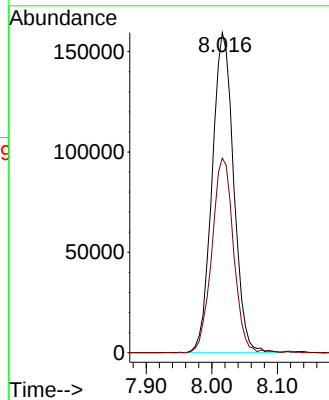
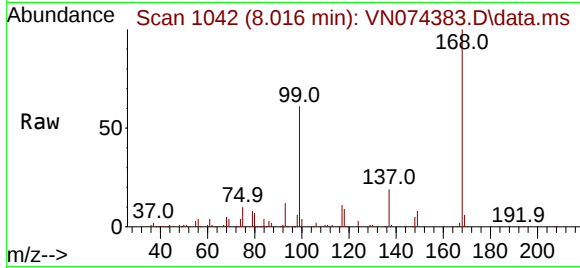




#1
Pentafluorobenzene
Concen: 50.000 ug/l
RT: 8.016 min Scan# 1042
Delta R.T. -0.000 min
Lab File: VN074383.D
Acq: 09 Sep 2022 19:20

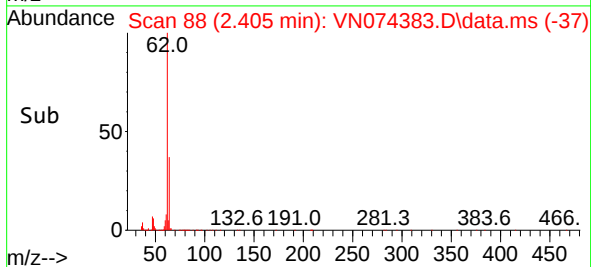
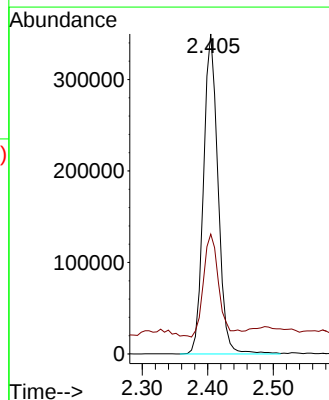
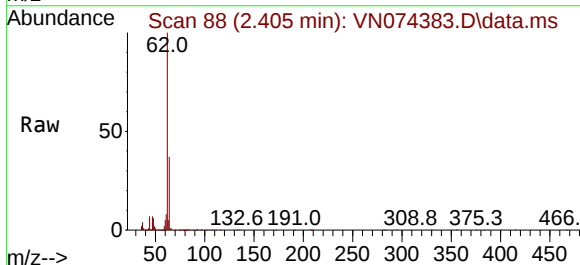
Instrument :
MSVOA_N
ClientSampleId :
MW-11A-11-16-083022

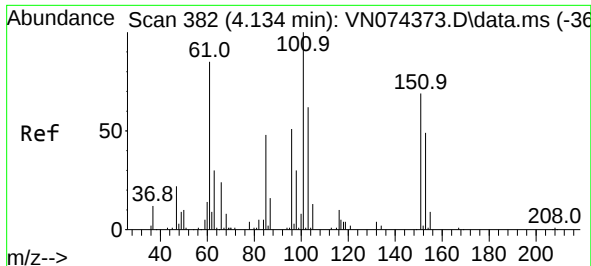
Tgt Ion:168 Resp: 363833
Ion Ratio Lower Upper
168 100
99 60.7 52.8 79.2



#4
Vinyl Chloride
Concen: 68.519 ug/l
RT: 2.405 min Scan# 88
Delta R.T. 0.000 min
Lab File: VN074383.D
Acq: 09 Sep 2022 19:20

Tgt Ion: 62 Resp: 539743
Ion Ratio Lower Upper
62 100
64 31.9 23.5 35.3

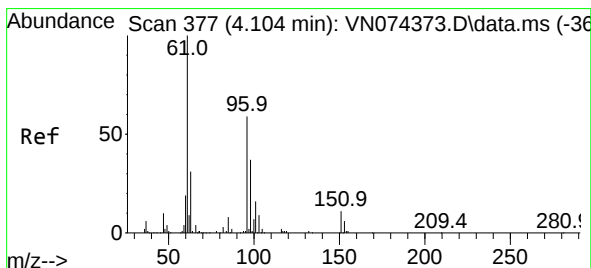
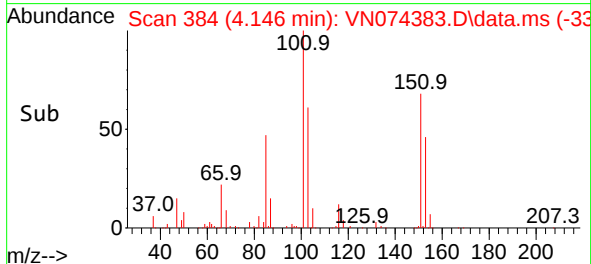
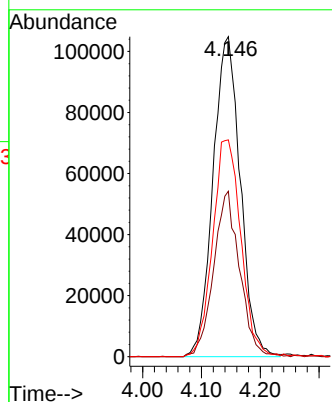
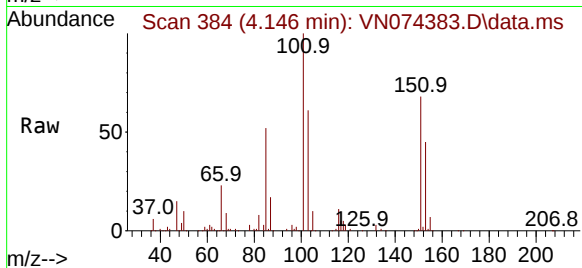




#9
1,1,2-Trichlorotrifluoroethane
Concen: 72.369 ug/l
RT: 4.146 min Scan# 382
Delta R.T. 0.012 min
Lab File: VN074383.D
Acq: 09 Sep 2022 19:20

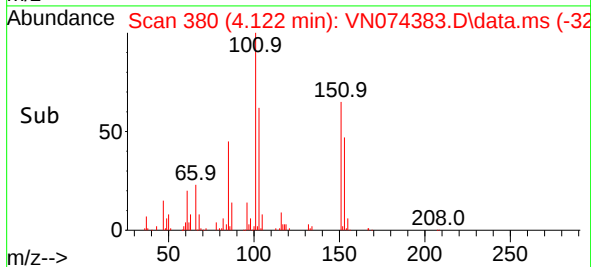
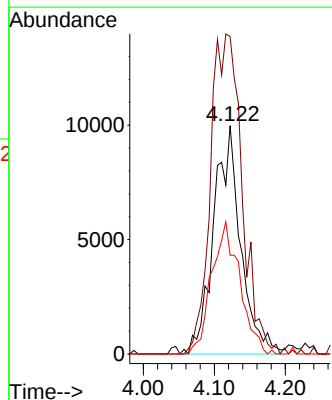
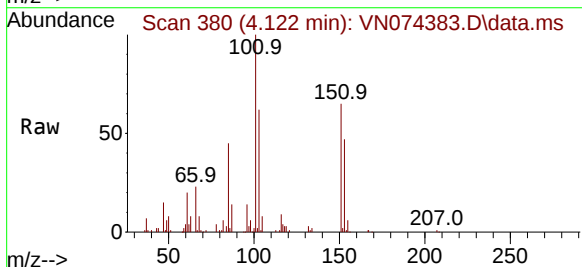
Instrument :
MSVOA_N
ClientSampleId :
MW-11A-11-16-083022

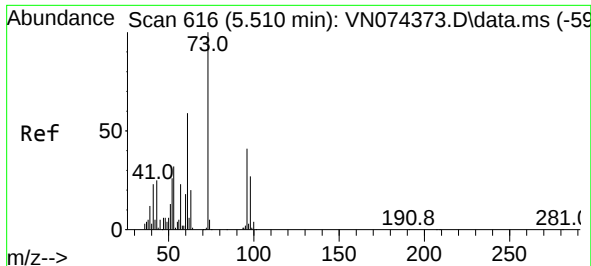
Tgt Ion:101 Resp: 337308
Ion Ratio Lower Upper
101 100
85 49.2 39.5 59.3
151 70.2 57.8 86.6



#12
1,1-Dichloroethene
Concen: 5.796 ug/l
RT: 4.122 min Scan# 380
Delta R.T. 0.018 min
Lab File: VN074383.D
Acq: 09 Sep 2022 19:20

Tgt Ion: 96 Resp: 26287
Ion Ratio Lower Upper
96 100
61 139.1 134.7 202.1
98 43.2 50.2 75.4#

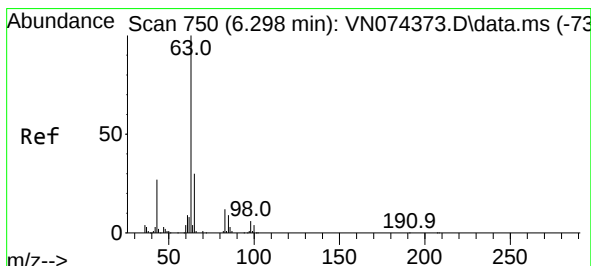
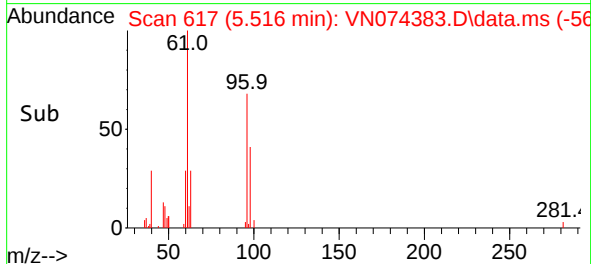
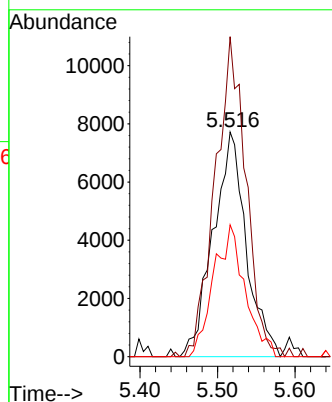
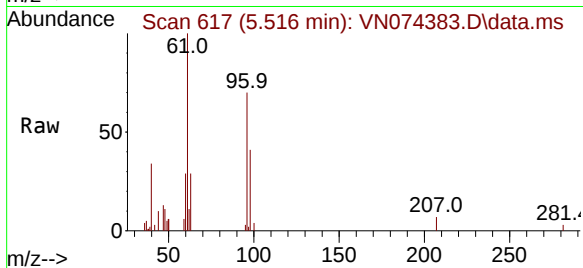




#21
trans-1,2-Dichloroethene
Concen: 4.498 ug/l
RT: 5.516 min Scan# 616
Delta R.T. 0.006 min
Lab File: VN074383.D
Acq: 09 Sep 2022 19:20

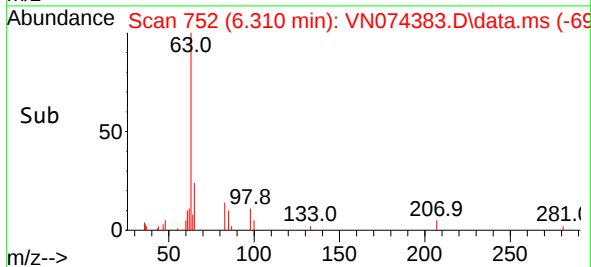
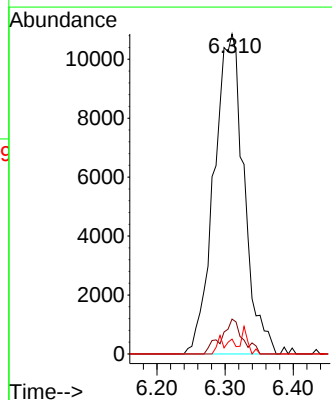
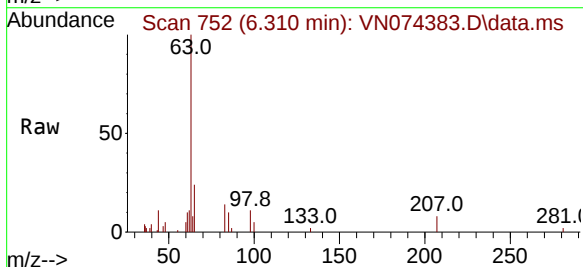
Instrument :
MSVOA_N
ClientSampleId :
MW-11A-11-16-083022

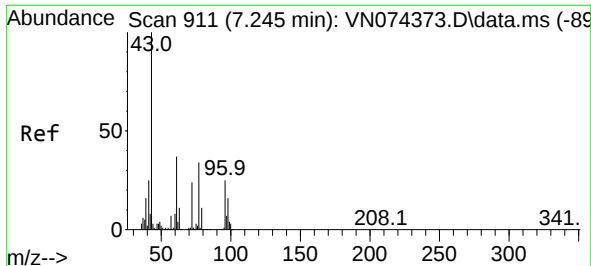
Tgt Ion: 96 Resp: 22860
Ion Ratio Lower Upper
96 100
61 142.5 115.3 172.9
98 58.7 53.4 80.0



#24
1,1-Dichloroethane
Concen: 3.221 ug/l
RT: 6.310 min Scan# 752
Delta R.T. 0.012 min
Lab File: VN074383.D
Acq: 09 Sep 2022 19:20

Tgt Ion: 63 Resp: 33148
Ion Ratio Lower Upper
63 100
98 10.9 2.9 8.6#
100 4.6 2.0 5.8





#27

cis-1,2-Dichloroethene

Concen: 1193.247 ug/l

RT: 7.251 min Scan# 911

Delta R.T. 0.006 min

Lab File: VN074383.D

Acq: 09 Sep 2022 19:20

Instrument :

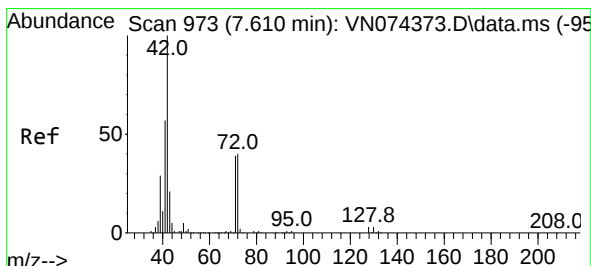
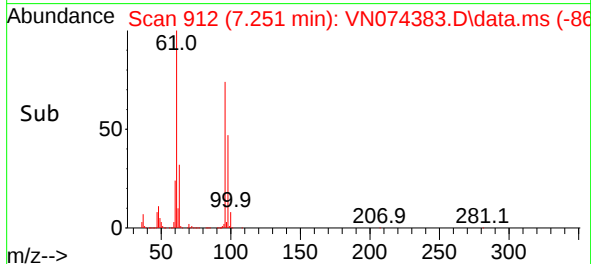
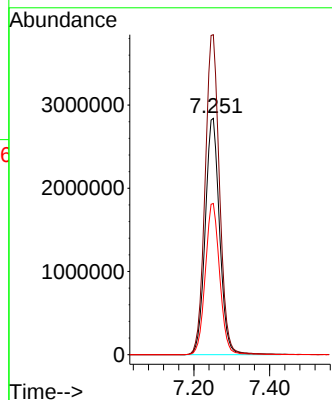
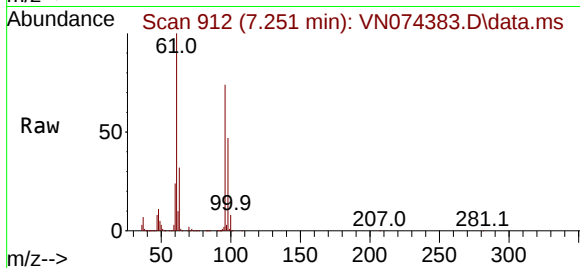
MSVOA_N

ClientSampleId :

MW-11A-11-16-083022

Tgt Ion: 96 Resp: 7471304

Ion	Ratio	Lower	Upper
96	100		
61	135.8	0.0	306.2
98	64.2	0.0	129.8



#29

Tetrahydrofuran

Concen: 4.613 ug/l

RT: 7.616 min Scan# 974

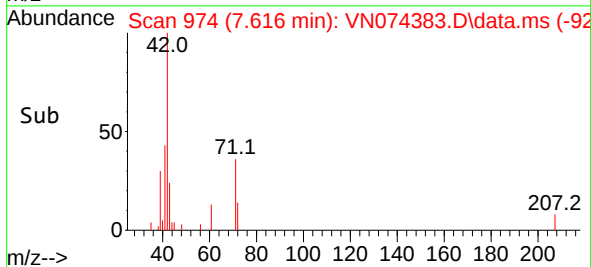
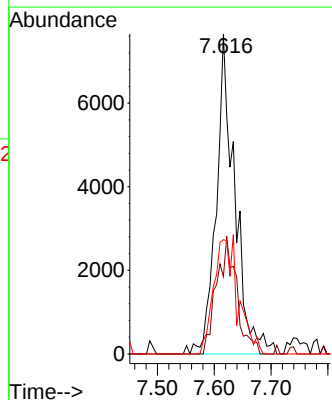
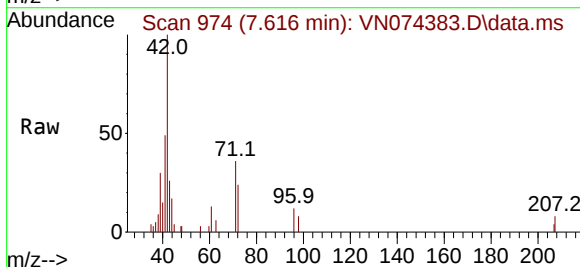
Delta R.T. 0.006 min

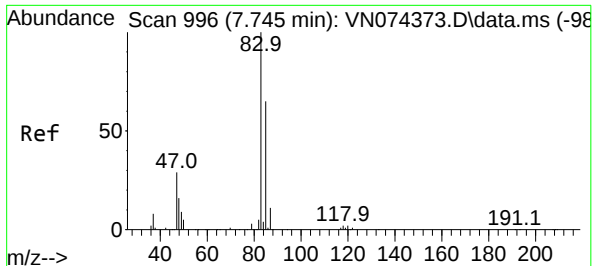
Lab File: VN074383.D

Acq: 09 Sep 2022 19:20

Tgt Ion: 42 Resp: 17394

Ion	Ratio	Lower	Upper
42	100		
72	39.4	32.7	49.1
71	47.1	31.0	46.6





#30

Chloroform

Concen: 0.308 ug/l

RT: 7.745 min Scan# 996

Delta R.T. 0.000 min

Lab File: VN074383.D

Acq: 09 Sep 2022 19:20

Instrument :

MSVOA_N

ClientSampleId :

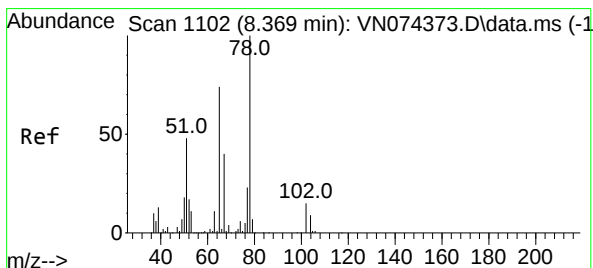
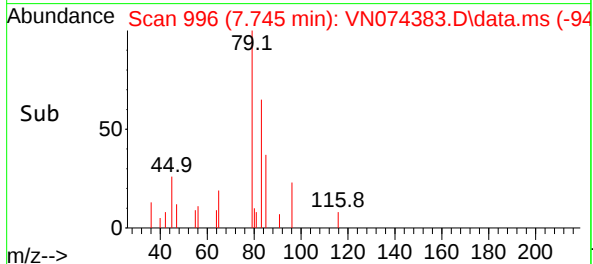
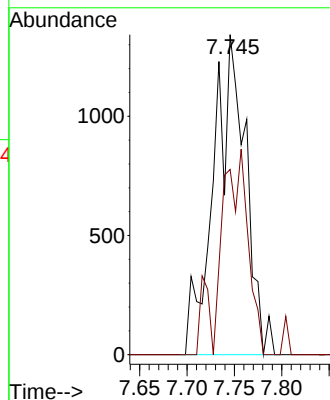
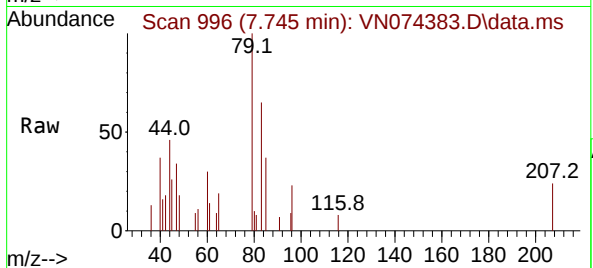
MW-11A-11-16-083022

Tgt Ion: 83 Resp: 3167

Ion Ratio Lower Upper

83 100

85 57.9 51.8 77.6



#33

1,2-Dichloroethane-d4

Concen: 41.076 ug/l

RT: 8.375 min Scan# 1103

Delta R.T. 0.006 min

Lab File: VN074383.D

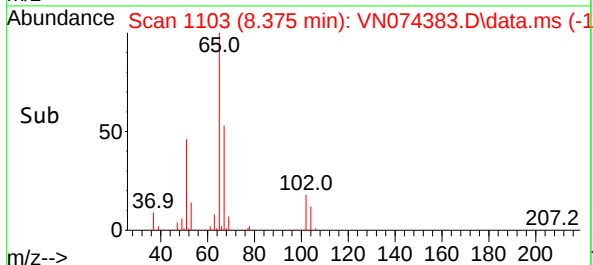
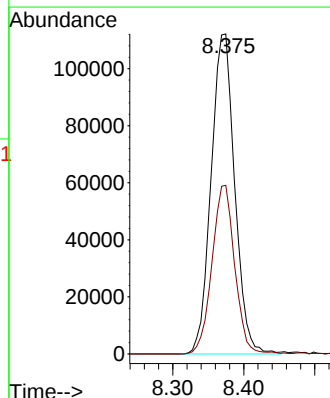
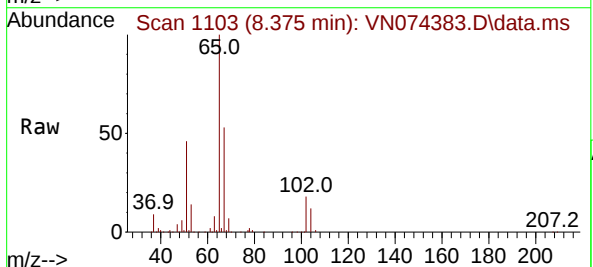
Acq: 09 Sep 2022 19:20

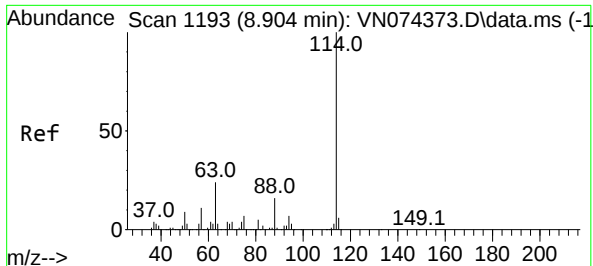
Tgt Ion: 65 Resp: 258568

Ion Ratio Lower Upper

65 100

67 50.8 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: VN074383.D

Acq: 09 Sep 2022 19:20

Instrument :

MSVOA_N

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MW-11A-11-16-083022

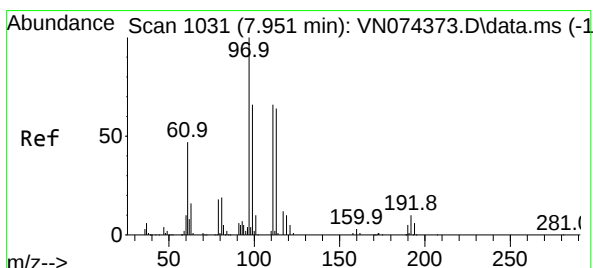
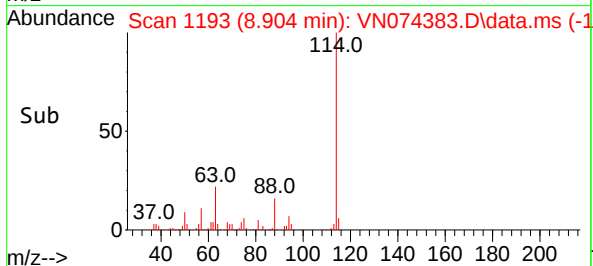
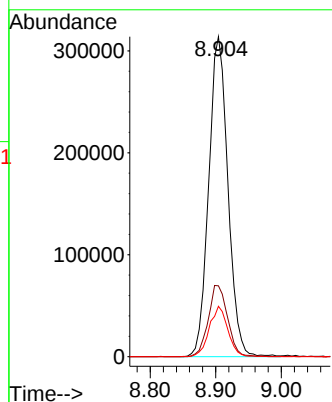
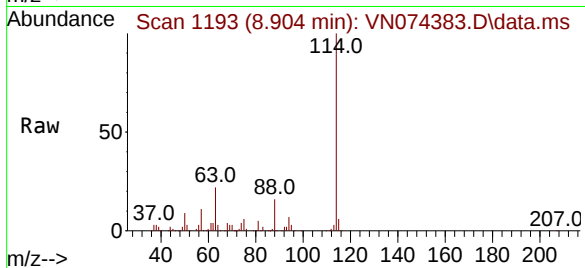
Tgt Ion:114 Resp: 640130

Ion Ratio Lower Upper

114 100

63 22.2 0.0 47.6

88 15.7 0.0 31.4



#35

Dibromofluoromethane

Concen: 49.911 ug/l

RT: 7.951 min Scan# 1031

Delta R.T. 0.000 min

Lab File: VN074383.D

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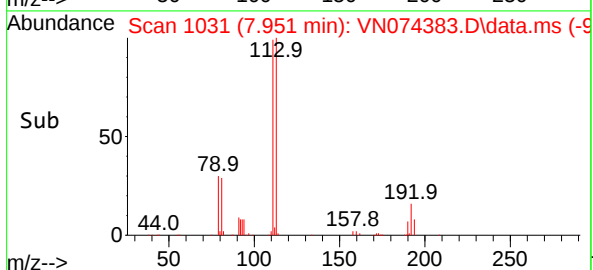
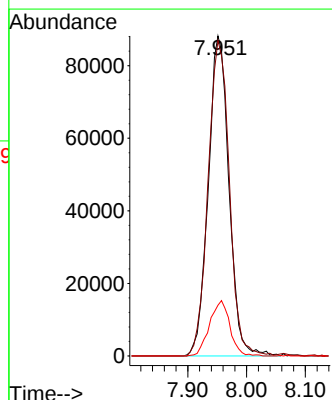
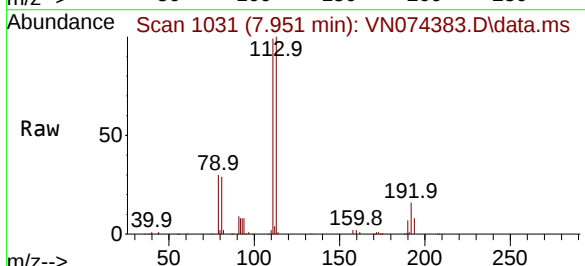
Tgt Ion:113 Resp: 215690

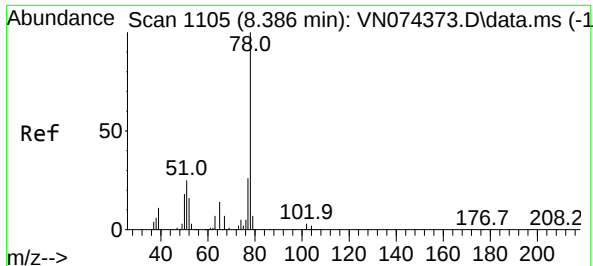
Ion Ratio Lower Upper

113 100

111 101.1 83.0 124.4

192 17.0 13.7 20.5

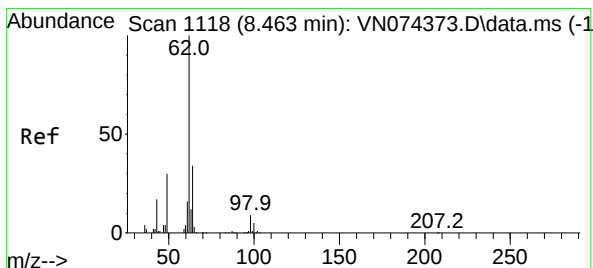
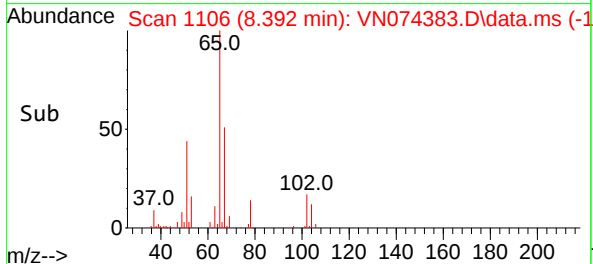
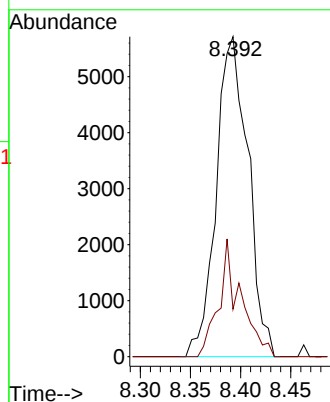
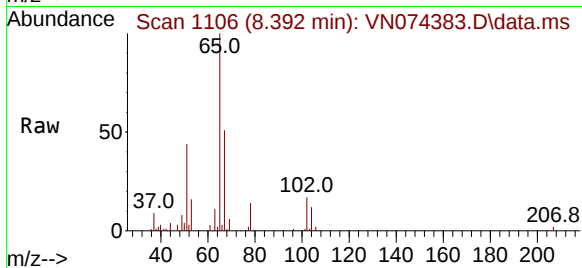




#40
Benzene
Concen: 0.578 ug/l
RT: 8.392 min Scan# 1106
Delta R.T. 0.006 min
Lab File: VN074383.D
Acq: 09 Sep 2022 19:20

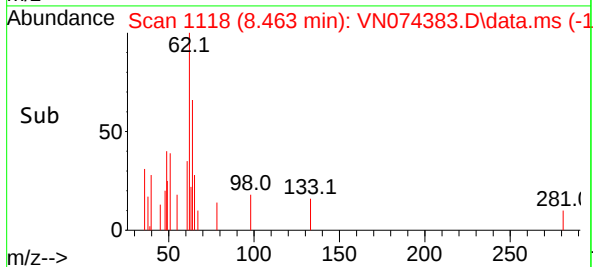
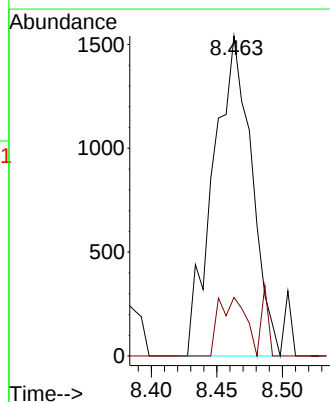
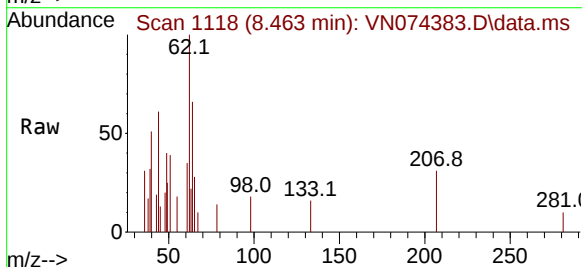
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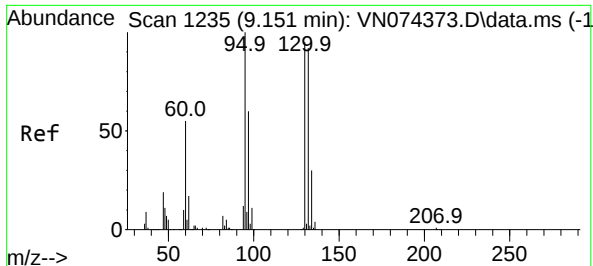
Tgt Ion: 78 Resp: 12593
Ion Ratio Lower Upper
78 100
77 14.8 20.6 31.0#



#42
1,2-Dichloroethane
Concen: 0.375 ug/l
RT: 8.463 min Scan# 1118
Delta R.T. 0.000 min
Lab File: VN074383.D
Acq: 09 Sep 2022 19:20

Tgt Ion: 62 Resp: 3125
Ion Ratio Lower Upper
62 100
98 12.9 0.0 17.6

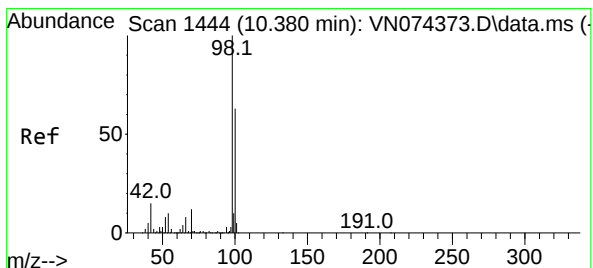
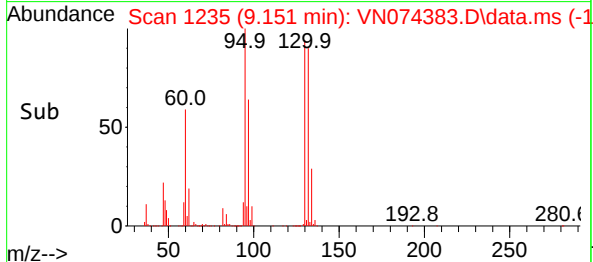
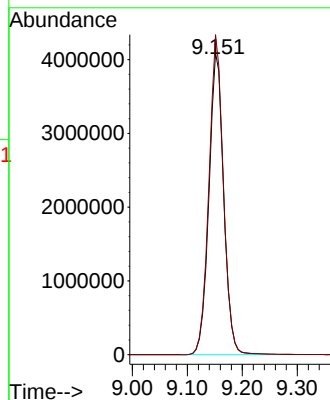
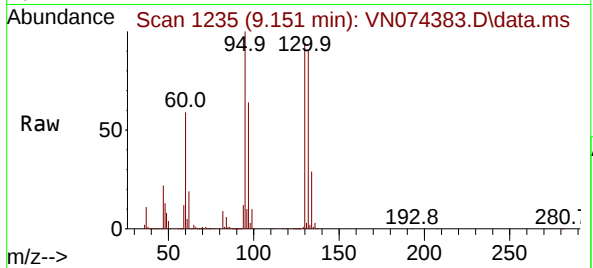




#44
Trichloroethene
Concen: 1559.699 ug/l
RT: 9.151 min Scan# 1111
Delta R.T. 0.000 min
Lab File: VN074383.D
Acq: 09 Sep 2022 19:20

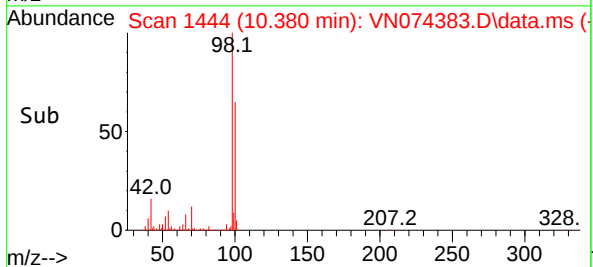
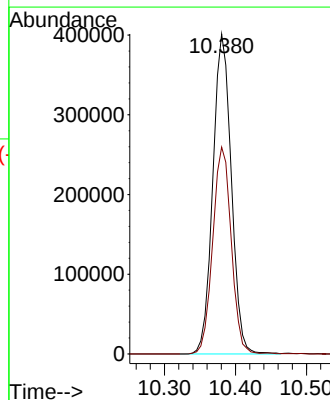
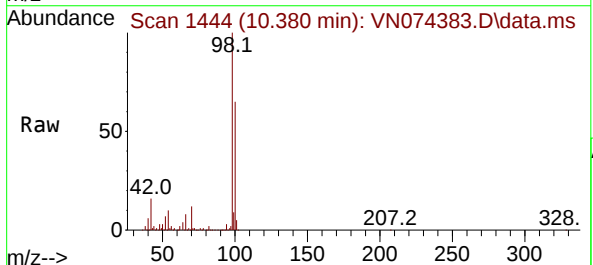
Instrument :
MSVOA_N
ClientSampleId :
MW-11A-11-16-083022

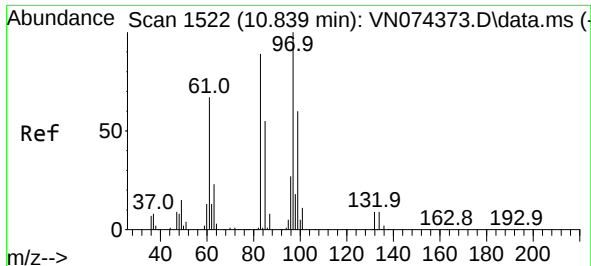
Tgt Ion:130 Resp: 7622019
Ion Ratio Lower Upper
130 100
95 106.0 0.0 210.0



#50
Toluene-d8
Concen: 42.908 ug/l
RT: 10.380 min Scan# 1444
Delta R.T. 0.000 min
Lab File: VN074383.D
Acq: 09 Sep 2022 19:20

Tgt Ion: 98 Resp: 722506
Ion Ratio Lower Upper
98 100
100 64.9 50.6 76.0

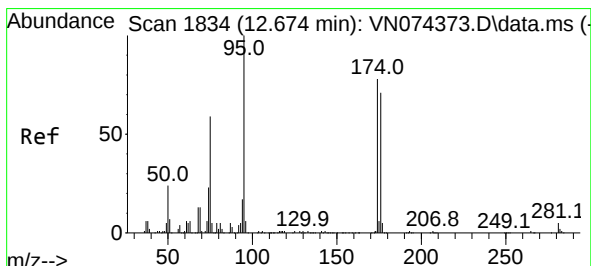
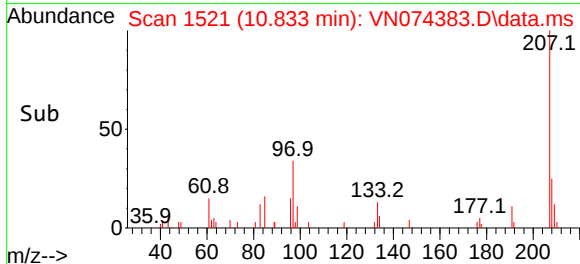
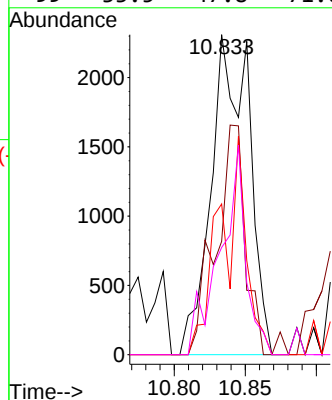
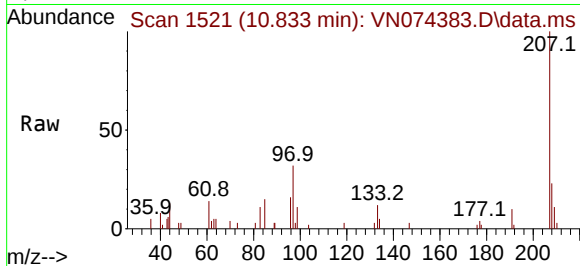




#55
1,1,2-Trichloroethane
Concen: 0.773 ug/l
RT: 10.833 min Scan# 1522
Delta R.T. -0.006 min
Lab File: VN074383.D
Acq: 09 Sep 2022 19:20

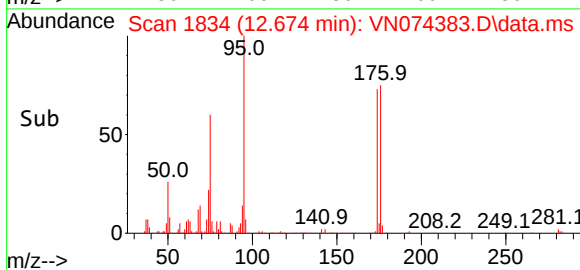
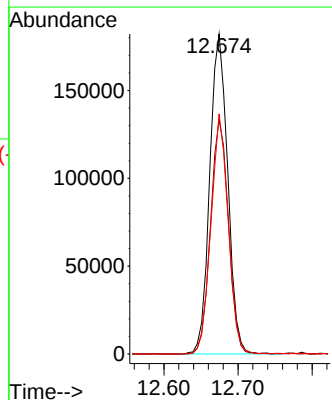
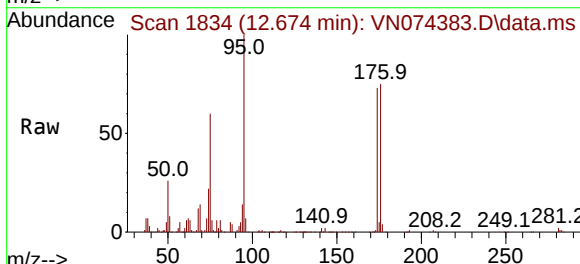
Instrument :
MSVOA_N
ClientSampleId :
MW-11A-11-16-083022

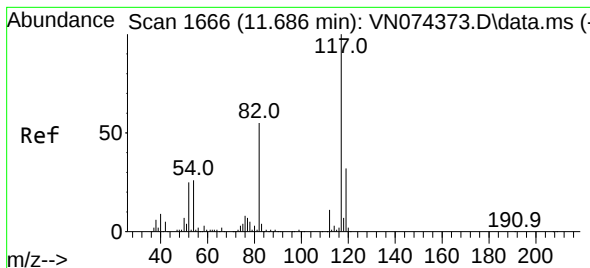
Tgt Ion: 97 Resp: 4296
Ion Ratio Lower Upper
97 100
83 35.4 70.8 106.2#
85 47.1 44.1 66.1
99 33.5 47.8 71.6#



#62
4-Bromofluorobenzene
Concen: 50.065 ug/l
RT: 12.674 min Scan# 1834
Delta R.T. 0.000 min
Lab File: VN074383.D
Acq: 09 Sep 2022 19:20

Tgt Ion: 95 Resp: 306072
Ion Ratio Lower Upper
95 100
174 73.5 0.0 150.6
176 71.7 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: VN074383.D

Acq: 09 Sep 2022 19:20

Instrument :

MSVOA_N

ClientSampleId :

MW-11A-11-16-083022

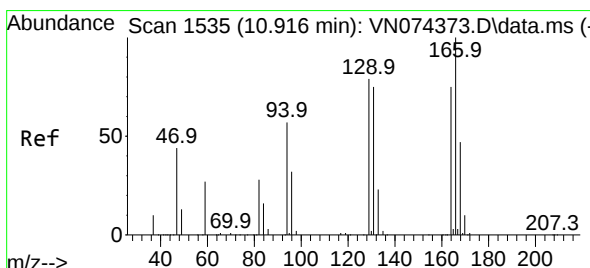
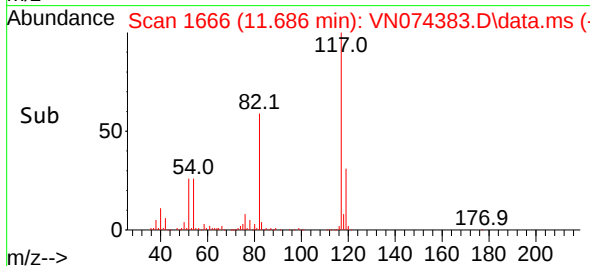
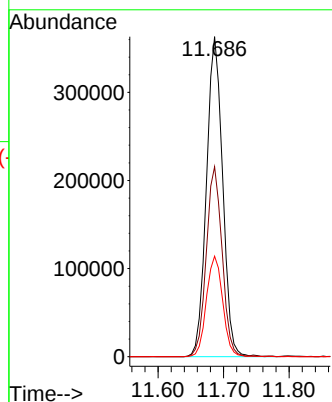
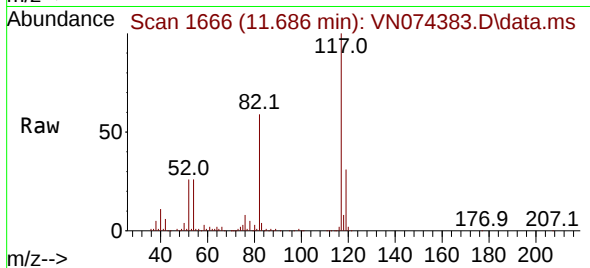
Tgt Ion:117 Resp: 623812

Ion Ratio Lower Upper

117 100

82 59.4 44.3 66.5

119 31.4 25.5 38.3



#64

Tetrachloroethene

Concen: 10.321 ug/l

RT: 10.922 min Scan# 1536

Delta R.T. 0.006 min

Lab File: VN074383.D

Acq: 09 Sep 2022 19:20

Tgt Ion:164 Resp: 43648

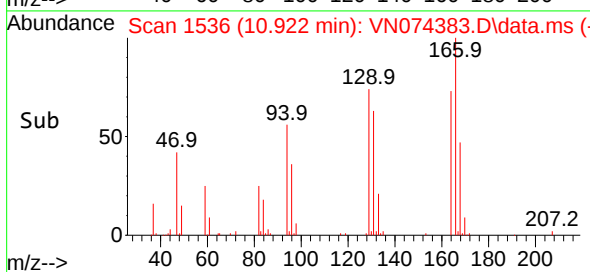
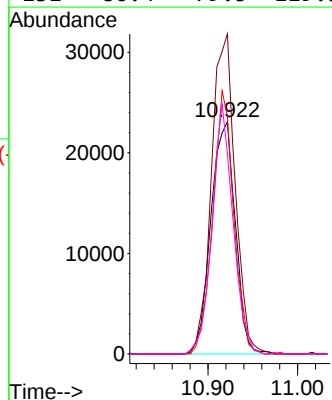
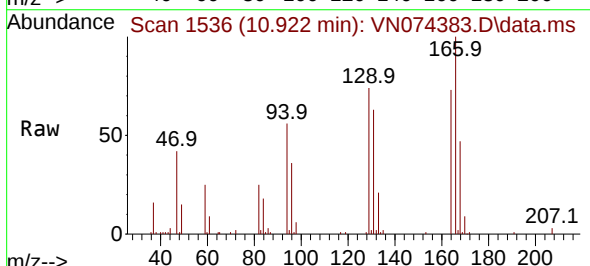
Ion Ratio Lower Upper

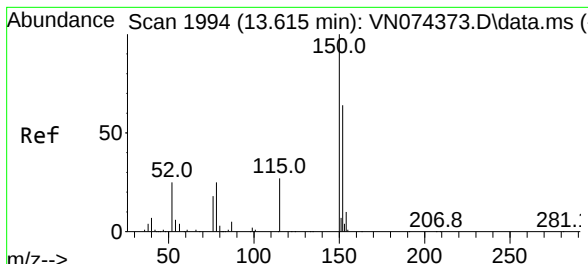
164 100

166 137.8 106.6 160.0

129 102.3 84.0 126.0

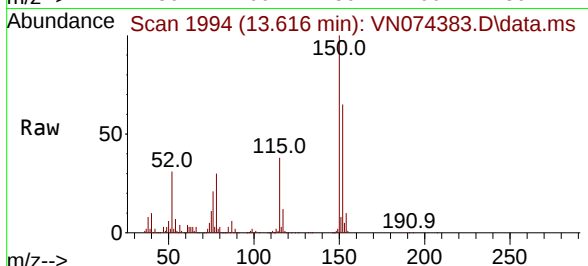
131 86.4 79.5 119.3





#72
 1,4-Dichlorobenzene-d4
 Concen: 50.000 ug/l
 RT: 13.616 min Scan# 1994
 Delta R.T. 0.001 min
 Lab File: VN074383.D
 Acq: 09 Sep 2022 19:20

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



Tgt Ion:152 Resp: 293483
 Ion Ratio Lower Upper
 152 100
 115 60.2 32.0 96.0
 150 155.0 0.0 359.6

