

Data Path : Z:\voasrv\HPCHEM1\MSVOA_N\Data\VN090922\
 Data File : VN074385.D
 Acq On : 09 Sep 2022 20:09
 Operator : JC\MD
 Sample : N4471-06
 Misc : 5.0mL/MSVOA_N/WATER
 ALS Vial : 18 Sample Multiplier: 1

Instrument :
 MSVOA_N
 ClientSampleId :
 MW-11B-35-40-083122

Quant Time: Sep 10 07:26:09 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)

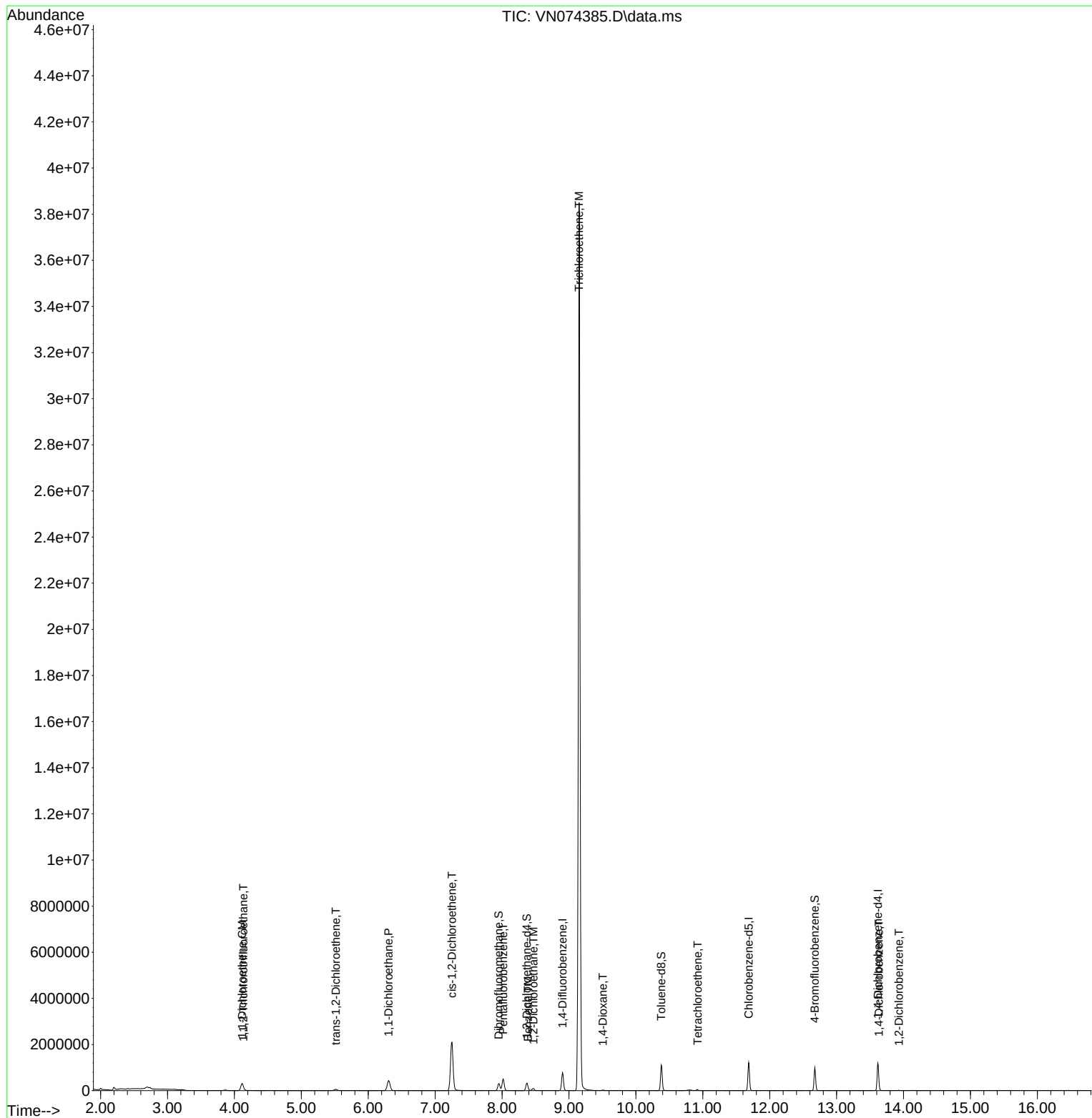
Internal Standards						
1) Pentafluorobenzene	8.016	168	349953	50.000	ug/l	0.00
34) 1,4-Difluorobenzene	8.904	114	640724	50.000	ug/l	0.00
63) Chlorobenzene-d5	11.686	117	612276	50.000	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.615	152	290269	50.000	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	8.369	65	250059	41.300	ug/l	0.00
Spiked Amount	50.000	Range	74 - 125	Recovery	=	82.600%
35) Dibromofluoromethane	7.951	113	213844	49.438	ug/l	0.00
Spiked Amount	50.000	Range	75 - 124	Recovery	=	98.880%
50) Toluene-d8	10.380	98	716329	42.502	ug/l	0.00
Spiked Amount	50.000	Range	86 - 113	Recovery	=	85.000%#
62) 4-Bromofluorobenzene	12.674	95	297774	48.663	ug/l	0.00
Spiked Amount	50.000	Range	83 - 123	Recovery	=	97.320%
Target Compounds						Qvalue
9) 1,1,2-Trichlorotrifluo...	4.134	101	11487	2.562	ug/l	94
12) 1,1-Dichloroethene	4.116	96	162073	37.152	ug/l	97
21) trans-1,2-Dichloroethene	5.516	96	33932	6.941	ug/l	96
24) 1,1-Dichloroethane	6.304	63	619199	62.546	ug/l	98
27) cis-1,2-Dichloroethene	7.251	96	1251661	207.832	ug/l	88
40) Benzene	8.386	78	10489	0.481	ug/l #	74
42) 1,2-Dichloroethane	8.469	62	79587	9.542	ug/l	100
44) Trichloroethene	9.151	130	10774107	2202.668	ug/l	99
49) 1,4-Dioxane	9.504	88	16125	102.704	ug/l #	92
64) Tetrachloroethene	10.921	164	7848	1.891	ug/l	91
88) 1,4-Dichlorobenzene	13.633	146	11753	1.051	ug/l #	61
91) 1,2-Dichlorobenzene	13.933	146	4967	0.427	ug/l	92

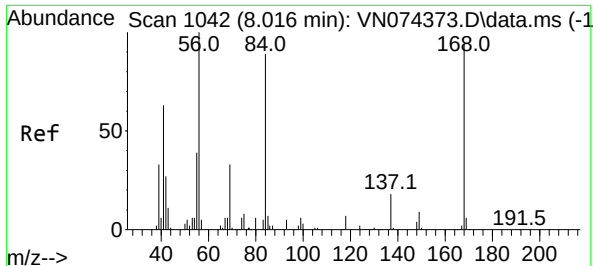
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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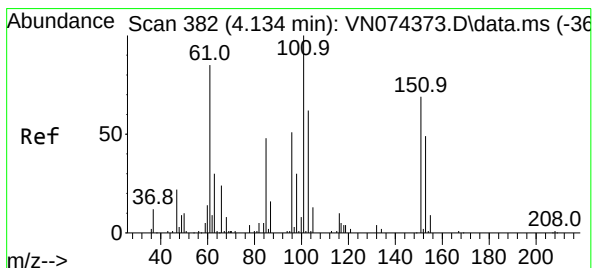
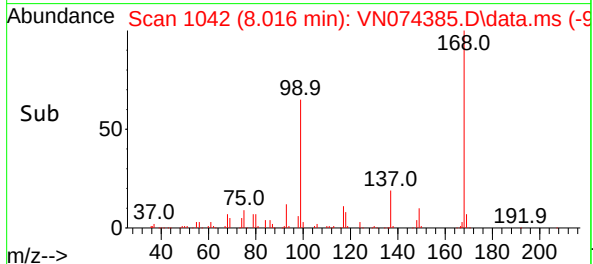
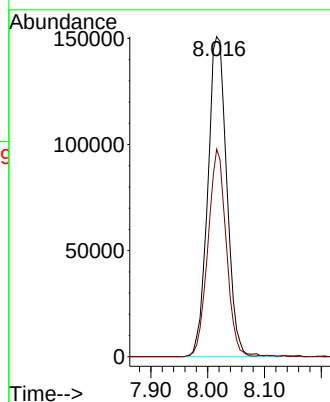
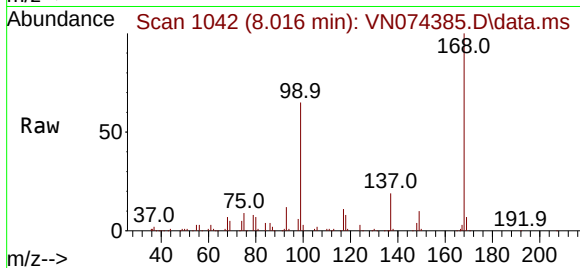




#1
Pentafluorobenzene
Concen: 50.000 ug/l
RT: 8.016 min Scan# 1042
Delta R.T. -0.000 min
Lab File: VN074385.D
Acq: 09 Sep 2022 20:09

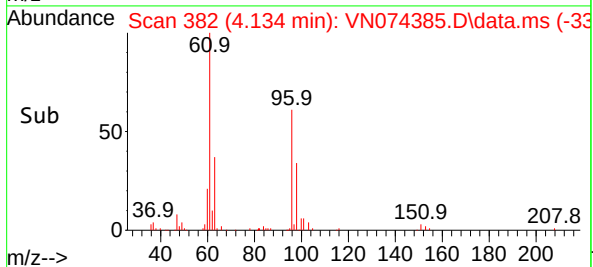
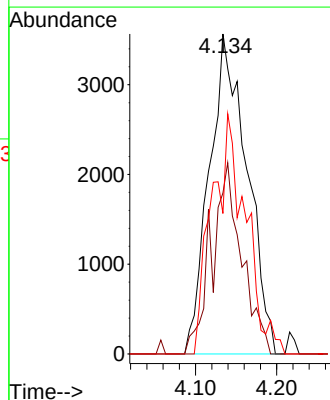
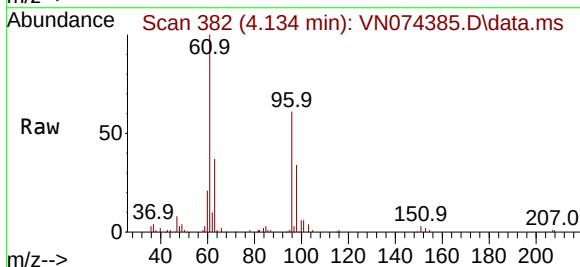
Instrument :
MSVOA_N
ClientSampleId :
MW-11B-35-40-083122

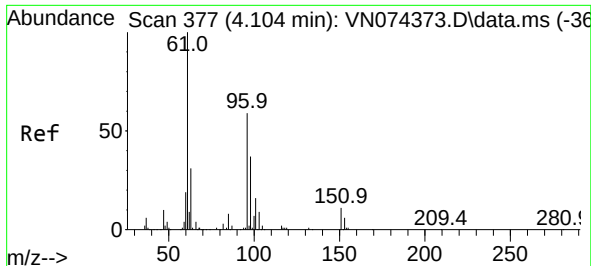
Tgt Ion:168 Resp: 349953
Ion Ratio Lower Upper
168 100
99 64.8 52.8 79.2



#9
1,1,2-Trichlorotrifluoroethane
Concen: 2.562 ug/l
RT: 4.134 min Scan# 382
Delta R.T. -0.000 min
Lab File: VN074385.D
Acq: 09 Sep 2022 20:09

Tgt Ion:101 Resp: 11487
Ion Ratio Lower Upper
101 100
85 47.7 39.5 59.3
151 65.3 57.8 86.6

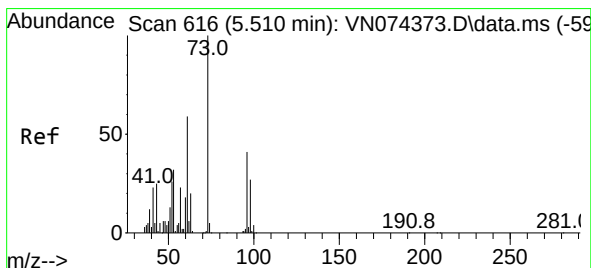
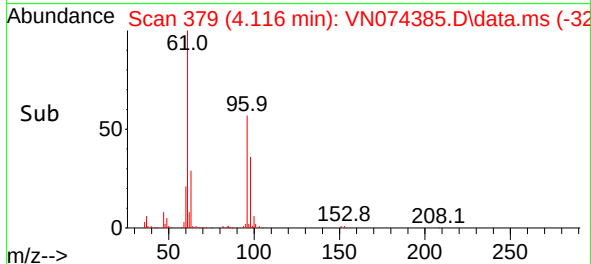
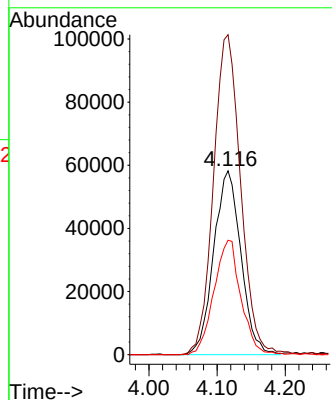
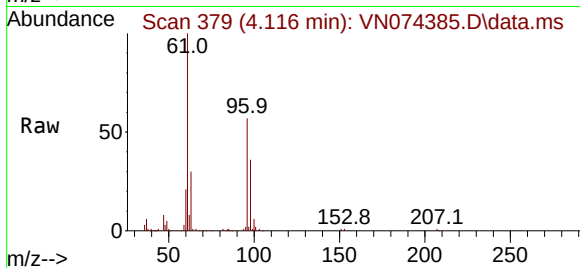




#12
1,1-Dichloroethene
Concen: 37.152 ug/l
RT: 4.116 min Scan# 31
Delta R.T. 0.012 min
Lab File: VN074385.D
Acq: 09 Sep 2022 20:09

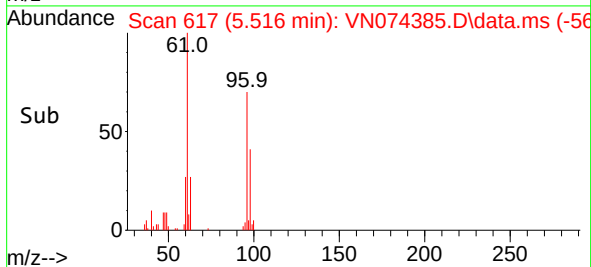
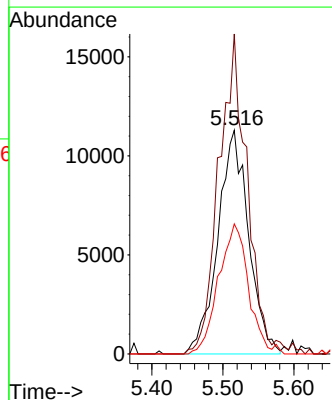
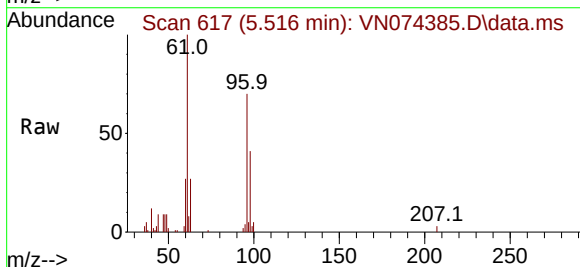
Instrument :
MSVOA_N
ClientSampleId :
MW-11B-35-40-083122

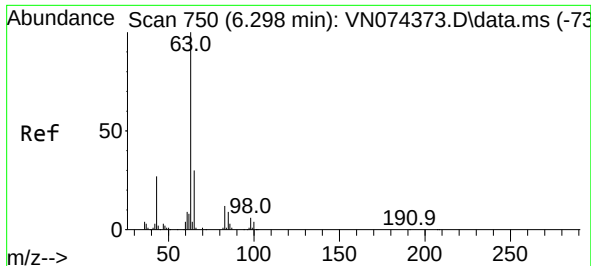
Tgt Ion: 96 Resp: 162073
Ion Ratio Lower Upper
96 100
61 174.1 134.7 202.1
98 62.3 50.2 75.4



#21
trans-1,2-Dichloroethene
Concen: 6.941 ug/l
RT: 5.516 min Scan# 617
Delta R.T. 0.006 min
Lab File: VN074385.D
Acq: 09 Sep 2022 20:09

Tgt Ion: 96 Resp: 33932
Ion Ratio Lower Upper
96 100
61 143.1 115.3 172.9
98 58.1 53.4 80.0

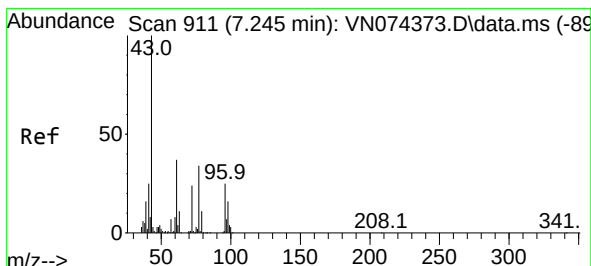
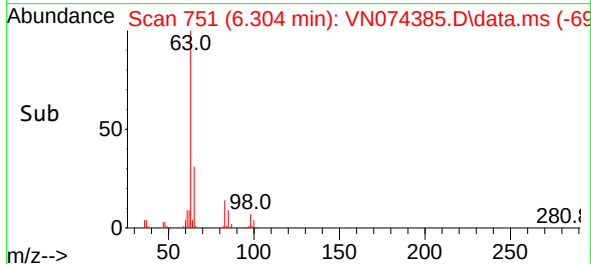
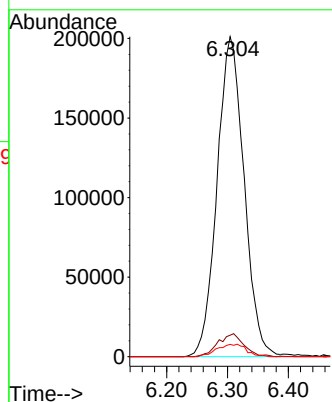
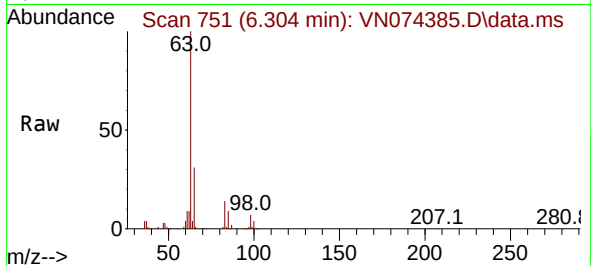




#24
1,1-Dichloroethane
Concen: 62.546 ug/l
RT: 6.304 min Scan# 751
Delta R.T. 0.006 min
Lab File: VN074385.D
Acq: 09 Sep 2022 20:09

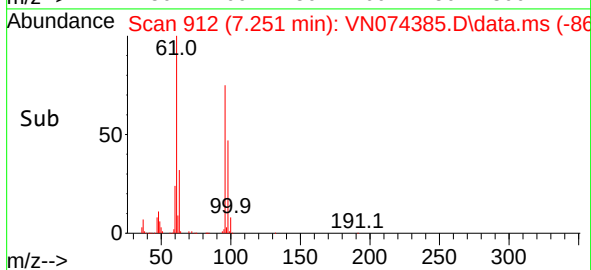
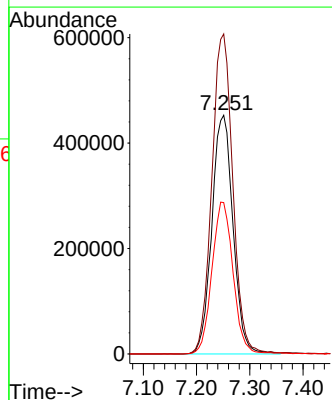
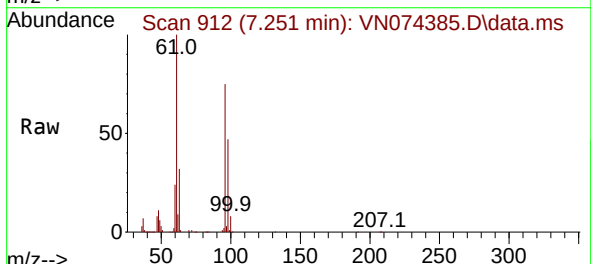
Instrument :
MSVOA_N
ClientSampleId :
MW-11B-35-40-083122

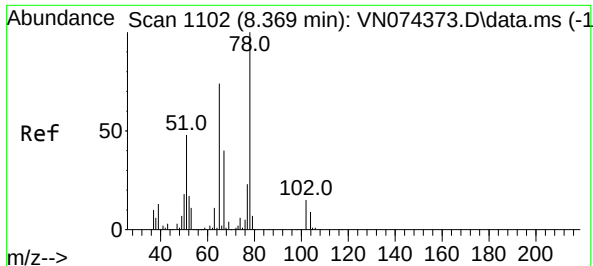
Tgt Ion: 63 Resp: 619199
Ion Ratio Lower Upper
63 100
98 6.7 2.9 8.6
100 3.8 2.0 5.8



#27
cis-1,2-Dichloroethene
Concen: 207.832 ug/l
RT: 7.251 min Scan# 912
Delta R.T. 0.006 min
Lab File: VN074385.D
Acq: 09 Sep 2022 20:09

Tgt Ion: 96 Resp: 1251661
Ion Ratio Lower Upper
96 100
61 132.8 0.0 306.2
98 63.1 0.0 129.8





#33

1,2-Dichloroethane-d4

Concen: 41.300 ug/l

RT: 8.369 min Scan# 1102

Delta R.T. -0.000 min

Lab File: VN074385.D

Acq: 09 Sep 2022 20:09

Instrument :

MSVOA_N

ClientSampleId :

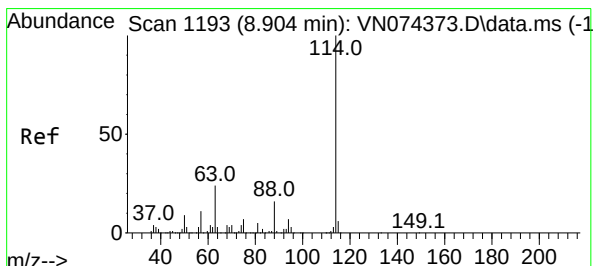
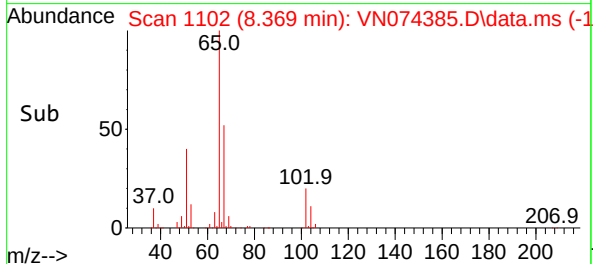
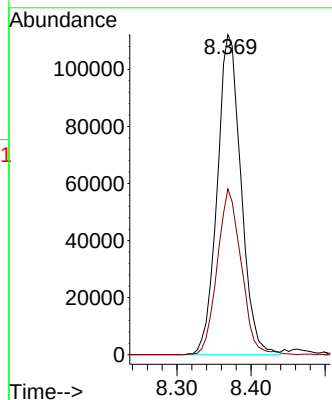
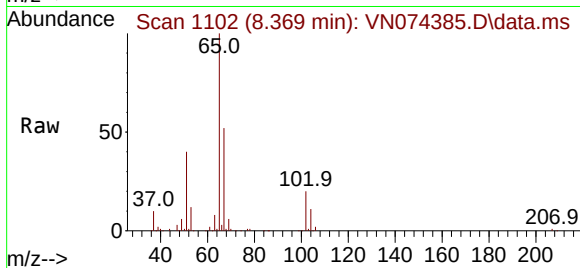
MW-11B-35-40-083122

Tgt Ion: 65 Resp: 250059

Ion Ratio Lower Upper

65 100

67 52.1 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: VN074385.D

Acq: 09 Sep 2022 20:09

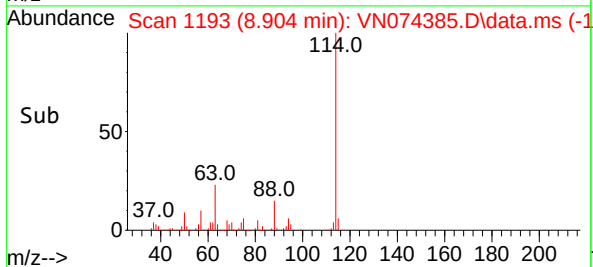
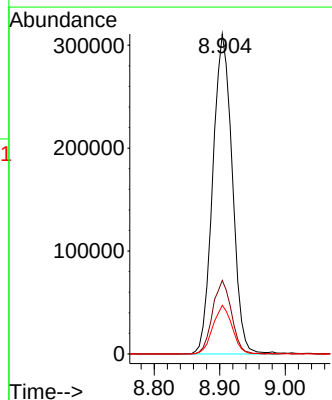
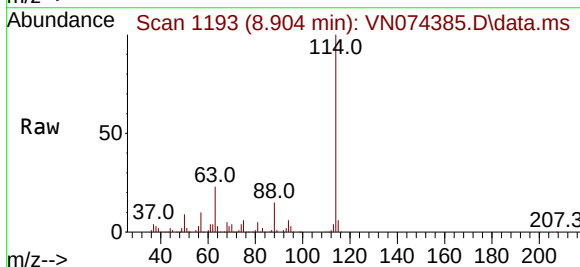
Tgt Ion: 114 Resp: 640724

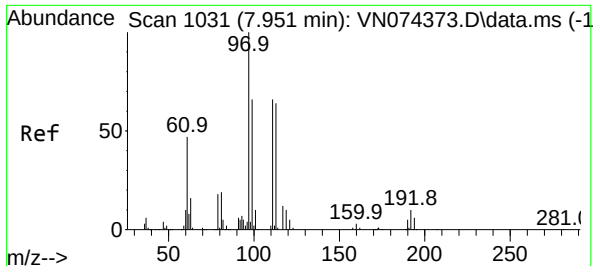
Ion Ratio Lower Upper

114 100

63 23.0 0.0 47.6

88 15.2 0.0 31.4





#35

Dibromofluoromethane

Concen: 49.438 ug/l

RT: 7.951 min Scan# 1105

Delta R.T. -0.000 min

Lab File: VN074385.D

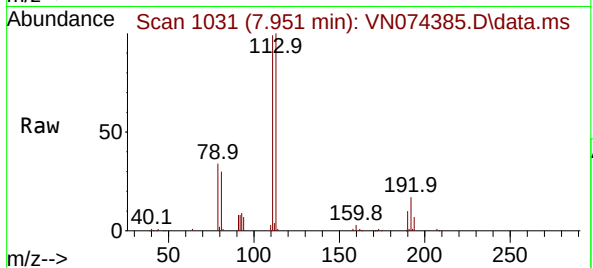
Acq: 09 Sep 2022 20:09

Instrument :

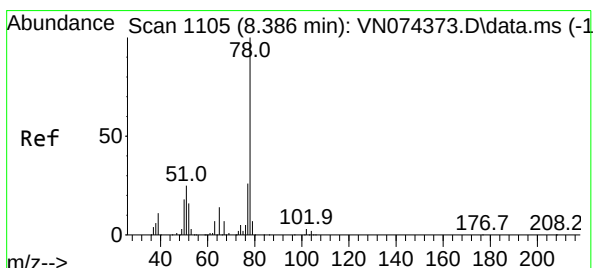
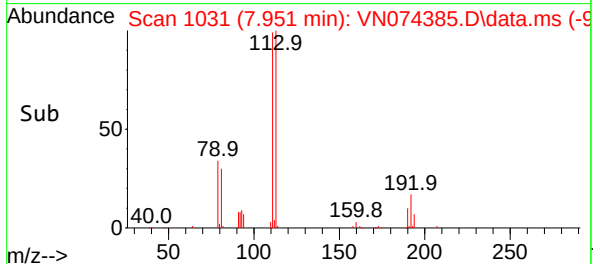
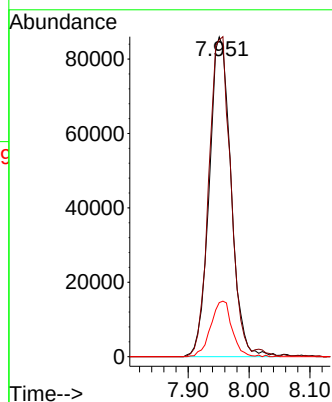
MSVOA_N

ClientSampleId :

MW-11B-35-40-083122



Tgt Ion:	113	Resp:	213844
Ion	Ratio	Lower	Upper
113	100		
111	100.2	83.0	124.4
192	16.8	13.7	20.5



#40

Benzene

Concen: 0.481 ug/l

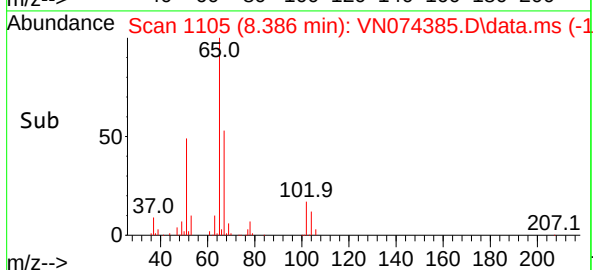
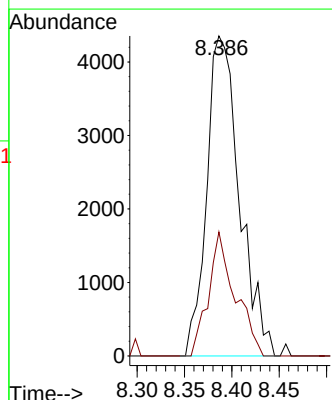
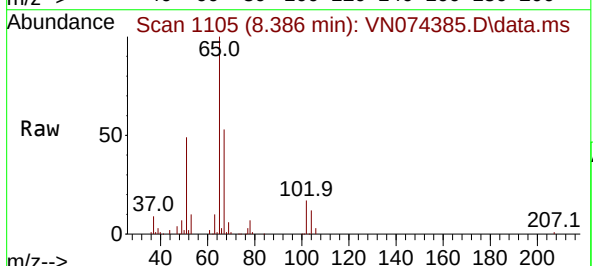
RT: 8.386 min Scan# 1105

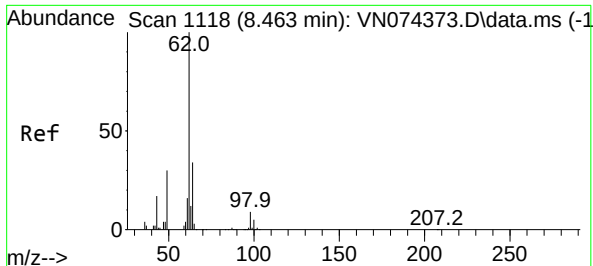
Delta R.T. -0.000 min

Lab File: VN074385.D

Acq: 09 Sep 2022 20:09

Tgt Ion:	78	Resp:	10489
Ion	Ratio	Lower	Upper
78	100		
77	38.8	20.6	31.0





#42

1,2-Dichloroethane

Concen: 9.542 ug/l

RT: 8.469 min Scan# 1118

Delta R.T. 0.006 min

Lab File: VN074385.D

Acq: 09 Sep 2022 20:09

Instrument :

MSVOA_N

ClientSampleId :

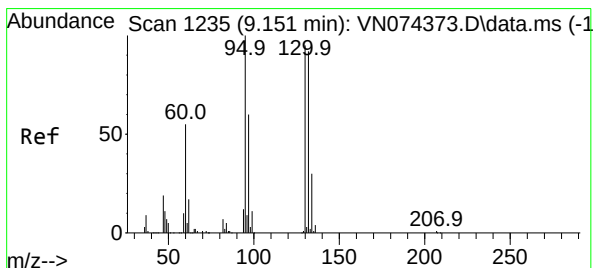
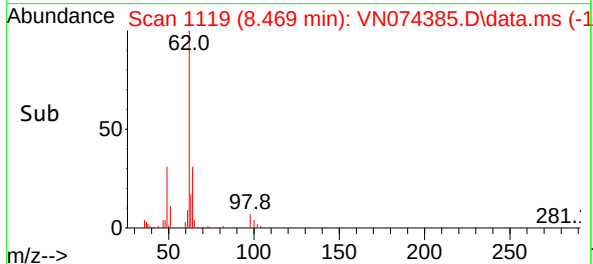
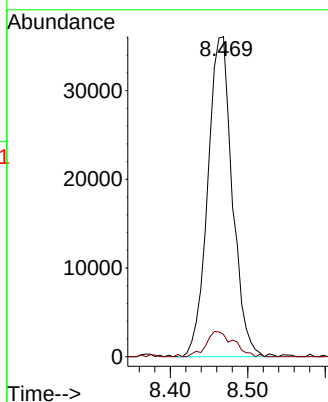
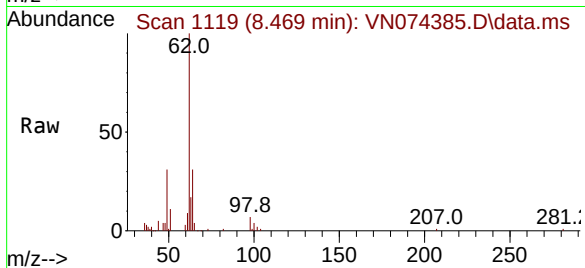
MW-11B-35-40-083122

Tgt Ion: 62 Resp: 79587

Ion Ratio Lower Upper

62 100

98 8.9 0.0 17.6



#44

Trichloroethene

Concen: 2202.668 ug/l

RT: 9.151 min Scan# 1235

Delta R.T. -0.000 min

Lab File: VN074385.D

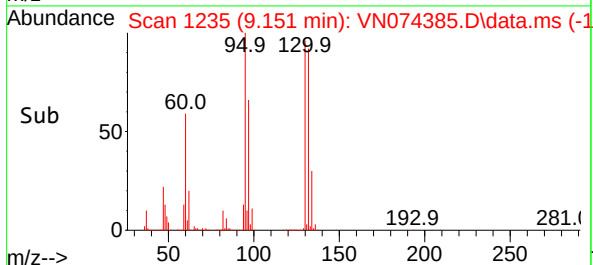
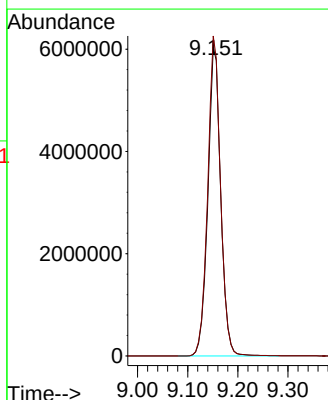
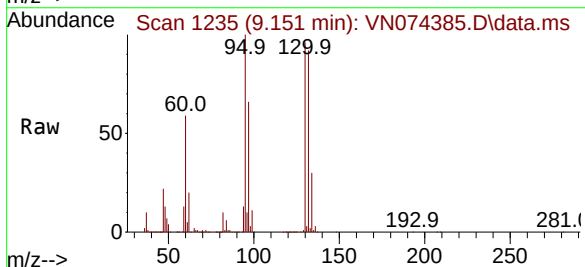
Acq: 09 Sep 2022 20:09

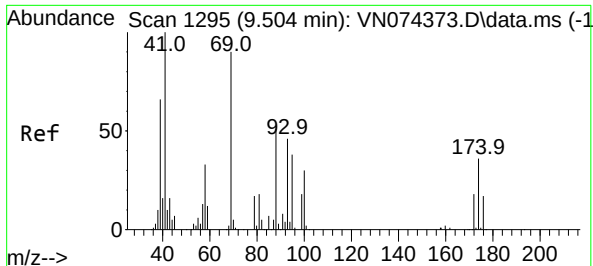
Tgt Ion: 130 Resp: 10774107

Ion Ratio Lower Upper

130 100

95 103.7 0.0 210.0

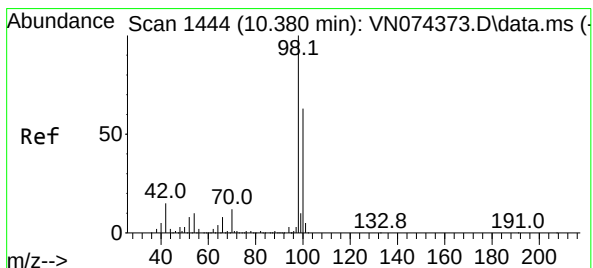
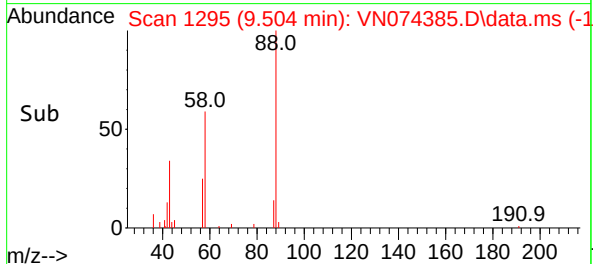
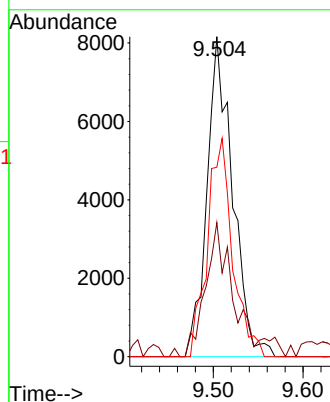
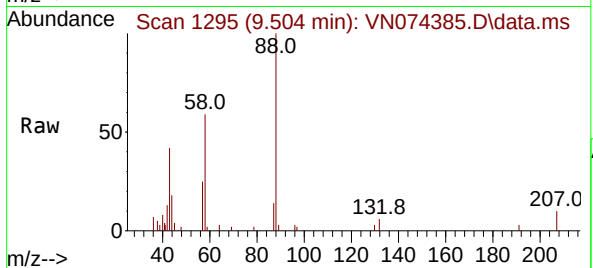




#49
1,4-Dioxane
Concen: 102.704 ug/l
RT: 9.504 min Scan# 11
Delta R.T. -0.000 min
Lab File: VN074385.D
Acq: 09 Sep 2022 20:09

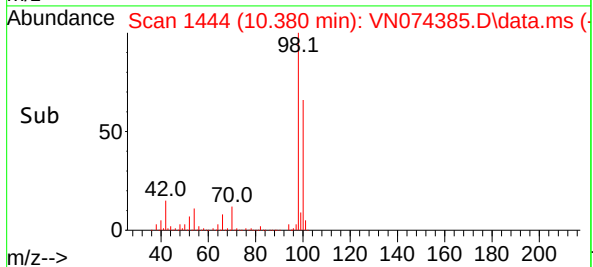
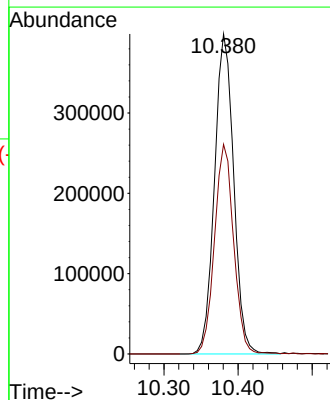
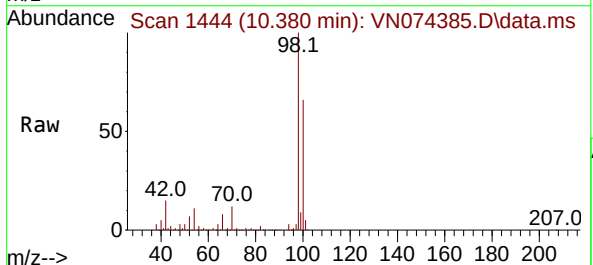
Instrument :
MSVOA_N
ClientSampleId :
MW-11B-35-40-083122

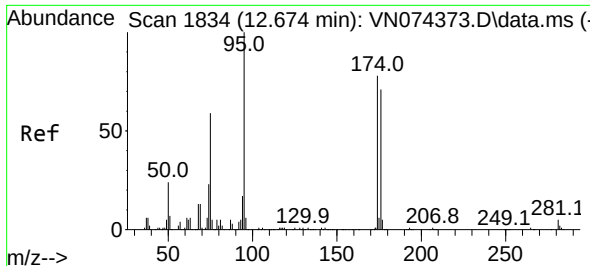
Tgt Ion: 88 Resp: 16125
Ion Ratio Lower Upper
88 100
43 44.6 26.9 40.3#
58 67.3 52.7 79.1



#50
Toluene-d8
Concen: 42.502 ug/l
RT: 10.380 min Scan# 1444
Delta R.T. -0.000 min
Lab File: VN074385.D
Acq: 09 Sep 2022 20:09

Tgt Ion: 98 Resp: 716329
Ion Ratio Lower Upper
98 100
100 65.3 50.6 76.0

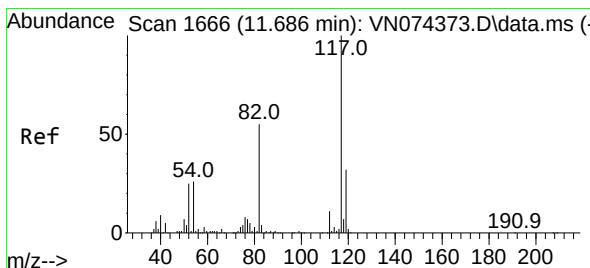
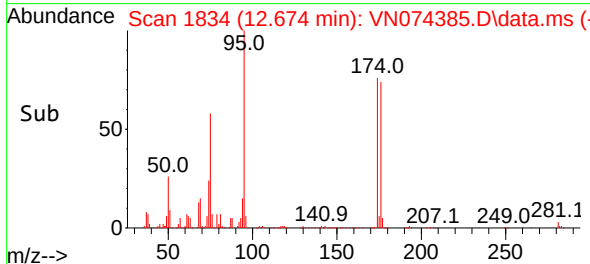
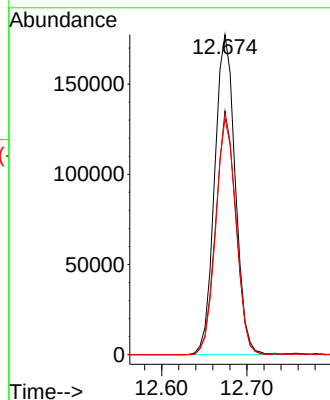
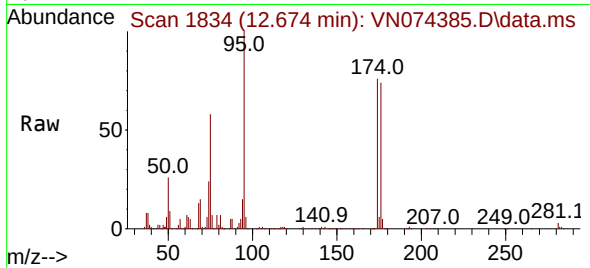




#62
4-Bromofluorobenzene
Concen: 48.663 ug/l
RT: 12.674 min Scan# 1834
Delta R.T. -0.000 min
Lab File: VN074385.D
Acq: 09 Sep 2022 20:09

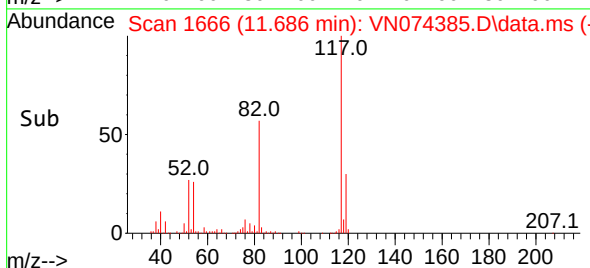
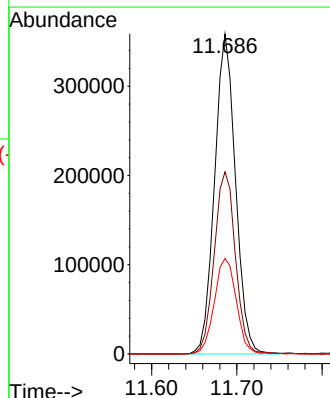
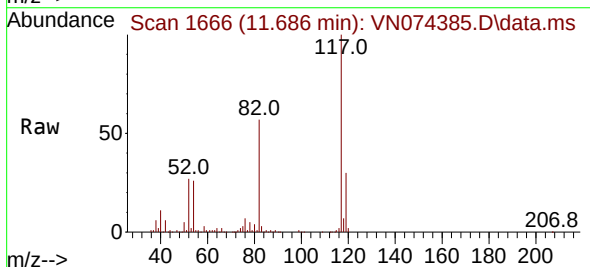
Instrument :
MSVOA_N
ClientSampleId :
MW-11B-35-40-083122

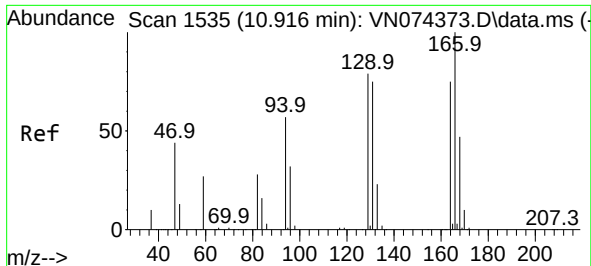
Tgt Ion:	95	Resp:	297774
Ion	Ratio	Lower	Upper
95	100		
174	74.3	0.0	150.6
176	73.5	0.0	143.4



#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 11.686 min Scan# 1666
Delta R.T. -0.000 min
Lab File: VN074385.D
Acq: 09 Sep 2022 20:09

Tgt Ion:	117	Resp:	612276
Ion	Ratio	Lower	Upper
117	100		
82	56.9	44.3	66.5
119	29.8	25.5	38.3



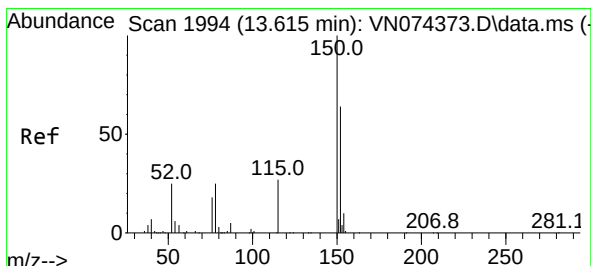
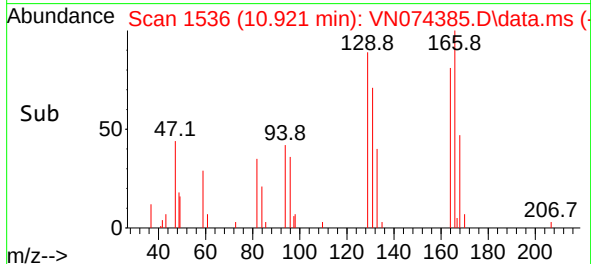
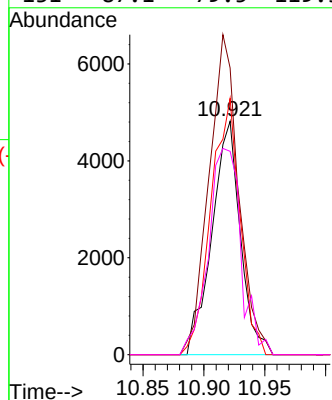
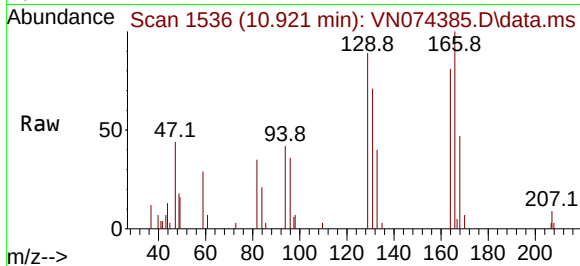


#64
Tetrachloroethene
Concen: 1.891 ug/l
RT: 10.921 min Scan# 11
Delta R.T. 0.006 min
Lab File: VN074385.D
Acq: 09 Sep 2022 20:09

Instrument :
MSVOA_N
ClientSampleId :
MW-11B-35-40-083122

Tgt Ion:164 Resp: 7848

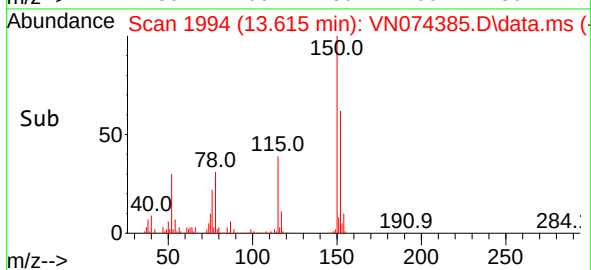
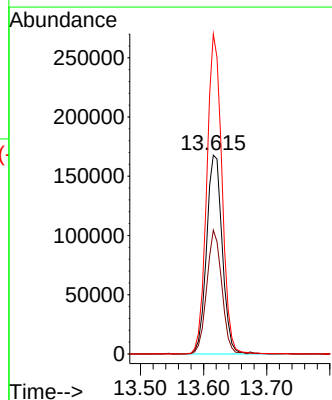
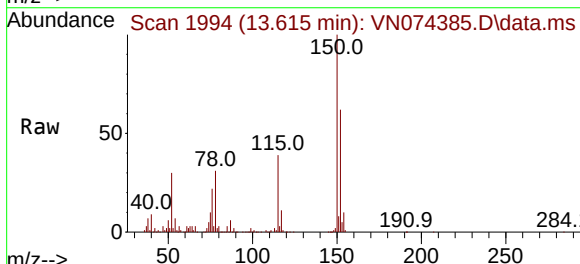
Ion	Ratio	Lower	Upper
164	100		
166	122.8	106.6	160.0
129	109.8	84.0	126.0
131	87.1	79.5	119.3

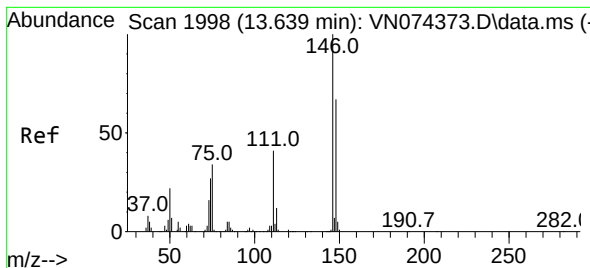


#72
1,4-Dichlorobenzene-d4
Concen: 50.000 ug/l
RT: 13.615 min Scan# 1994
Delta R.T. 0.000 min
Lab File: VN074385.D
Acq: 09 Sep 2022 20:09

Tgt Ion:152 Resp: 290269

Ion	Ratio	Lower	Upper
152	100		
115	59.7	32.0	96.0
150	154.9	0.0	359.6





#88

1,4-Dichlorobenzene

Concen: 1.051 ug/l

RT: 13.633 min Scan# 1998

Delta R.T. -0.006 min

Lab File: VN074385.D

Acq: 09 Sep 2022 20:09

Instrument :

MSVOA_N

ClientSampleId :

MW-11B-35-40-083122

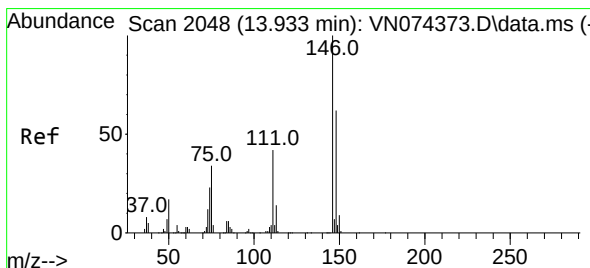
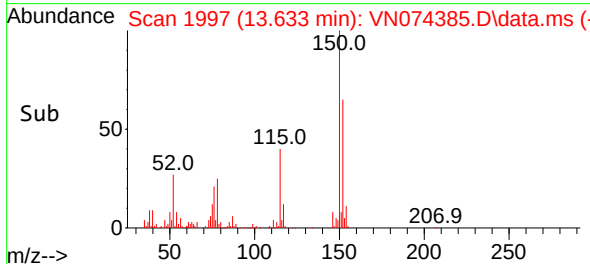
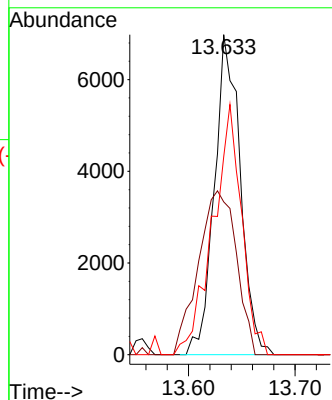
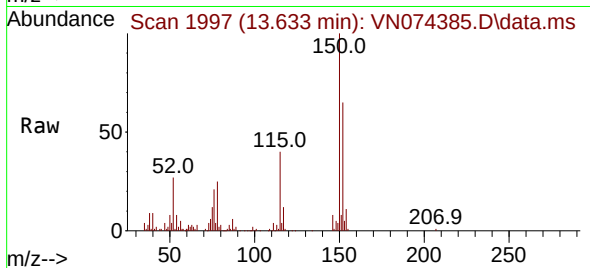
Tgt Ion:146 Resp: 11753

Ion Ratio Lower Upper

146 100

111 75.3 20.8 62.2#

148 87.3 32.1 96.5



#91

1,2-Dichlorobenzene

Concen: 0.427 ug/l

RT: 13.933 min Scan# 2048

Delta R.T. -0.000 min

Lab File: VN074385.D

Acq: 09 Sep 2022 20:09

Tgt Ion:146 Resp: 4967

Ion Ratio Lower Upper

146 100

111 37.7 21.9 65.7

148 68.3 31.4 94.2

