

Data Path : Z:\voasrv\HPCHEM1\MSVOA_N\Data\VN072522\
 Data File : VN073577.D
 Acq On : 25 Jul 2022 14:19
 Operator : JC\MD
 Sample : N3771-02
 Misc : 5.0mL/MSVOA_N/WATER
 ALS Vial : 8 Sample Multiplier: 1

Instrument :
 MSVOA_N
 ClientSampleId :
 MW-7F

Quant Time: Jul 26 02:16:57 2022
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA_N\methods\82N062822W.M
 Quant Title : SW846 8260
 QLast Update : Wed Jun 29 01:54:03 2022
 Response via : Initial Calibration

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

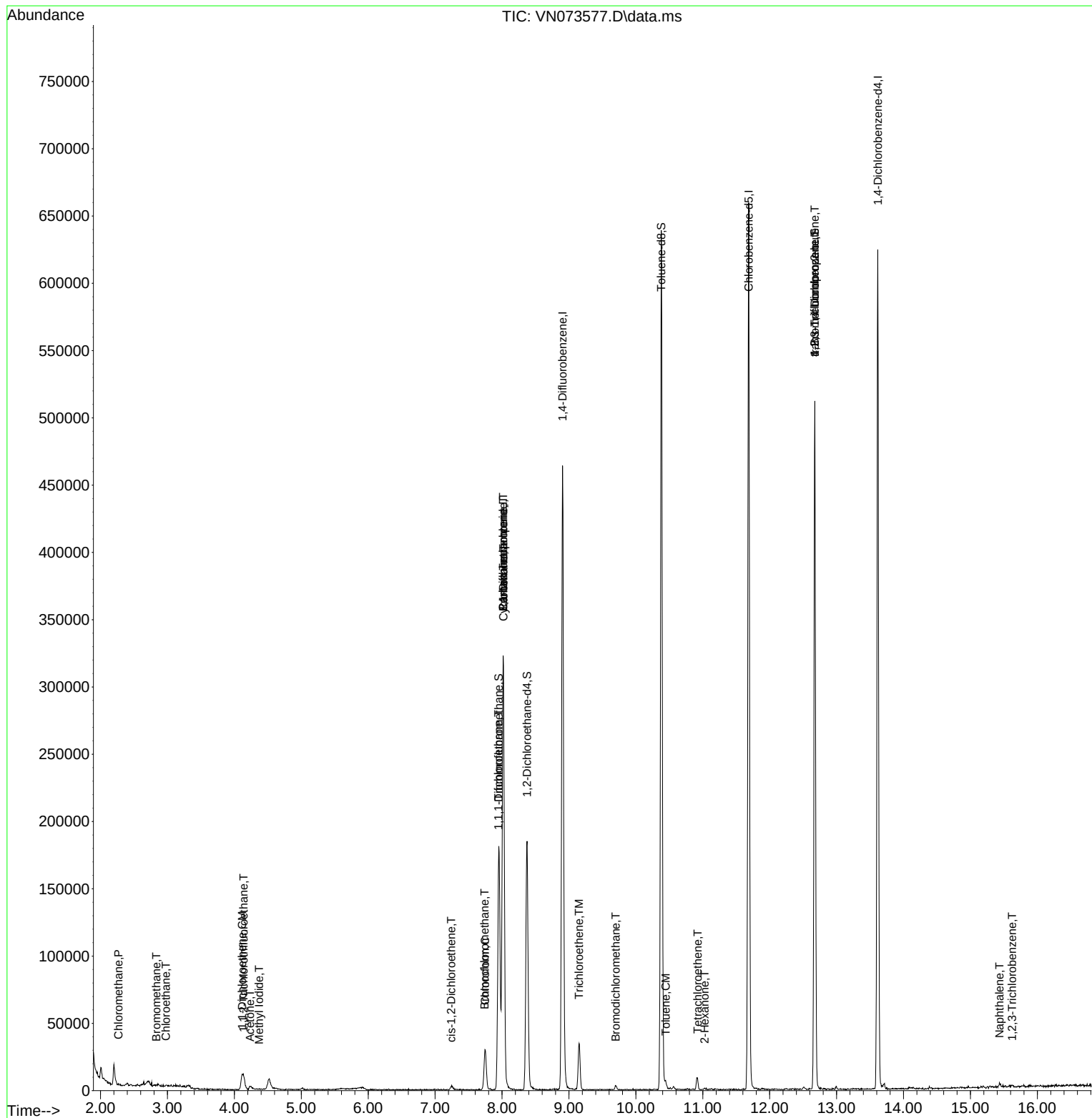
Internal Standards						
1) Pentafluorobenzene	8.016	168	246341	50.000	ug/l	0.00
34) 1,4-Difluorobenzene	8.904	114	397268	50.000	ug/l	0.00
63) Chlorobenzene-d5	11.686	117	358639	50.000	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.616	152	166895	50.000	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	8.375	65	153614	43.196	ug/l	0.00
Spiked Amount	50.000	Range	74 - 125	Recovery	=	86.400%
35) Dibromofluoromethane	7.951	113	130437	49.350	ug/l	0.00
Spiked Amount	50.000	Range	75 - 124	Recovery	=	98.700%
50) Toluene-d8	10.381	98	420885	44.835	ug/l	0.00
Spiked Amount	50.000	Range	86 - 113	Recovery	=	89.680%
62) 4-Bromofluorobenzene	12.675	95	165433	45.858	ug/l	0.00
Spiked Amount	50.000	Range	83 - 123	Recovery	=	91.720%
Target Compounds						
					Qvalue	
3) Chloromethane	2.269	50	800	0.229	ug/l #	43
5) Bromomethane	2.834	94	390	0.278	ug/l #	2
6) Chloroethane	2.975	64	504	0.288	ug/l #	42
9) 1,1,2-Trichlorotrifluo...	4.140	101	4524	1.491	ug/l	90
10) Methyl Iodide	4.369	142	54	3.749	ug/l #	44
12) 1,1-Dichloroethene	4.116	96	5451	1.880	ug/l #	80
16) Acetone	4.234	43	5541	2.776	ug/l	96
27) cis-1,2-Dichloroethene	7.240	96	820	0.223	ug/l	1
28) Bromochloromethane	7.740	49	2609	1.056	ug/l #	8
30) Chloroform	7.745	83	29578	4.978	ug/l	98
31) Cyclohexane	8.022	56	5731	0.984	ug/l #	20
32) 1,1,1-Trichloroethane	7.945	97	1299	0.245	ug/l #	47
36) 1,1-Dichloropropene	8.016	75	19487	4.792	ug/l #	50
38) Carbon Tetrachloride	8.016	117	24301	5.778	ug/l #	18
44) Trichloroethene	9.151	130	12483	3.908	ug/l	90
47) Bromodichloromethane	9.698	83	2437	0.579	ug/l #	79
52) Toluene	10.445	92	1555	0.200	ug/l	89
59) 2-Hexanone	11.028	43	897	0.210	ug/l #	53
64) Tetrachloroethene	10.922	164	2377	0.812	ug/l #	77
76) 1,2,3-Trichloropropane	12.675	75	89726	20.561	ug/l #	1
81) trans-1,4-Dichloro-2-b...	12.675	75	89726	56.387	ug/l #	10
95) Naphthalene	15.433	128	3373	0.262	ug/l #	96
96) 1,2,3-Trichlorobenzene	15.621	180	701	0.213	ug/l #	58

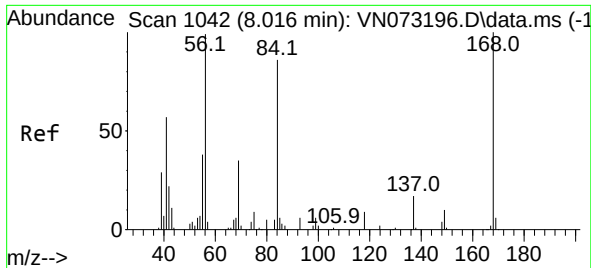
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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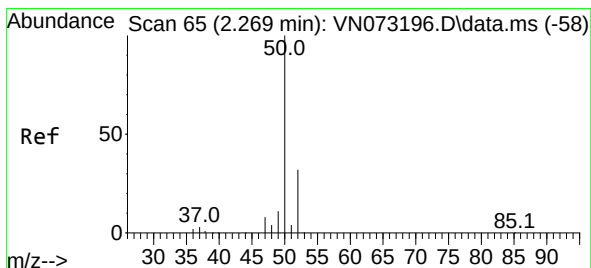
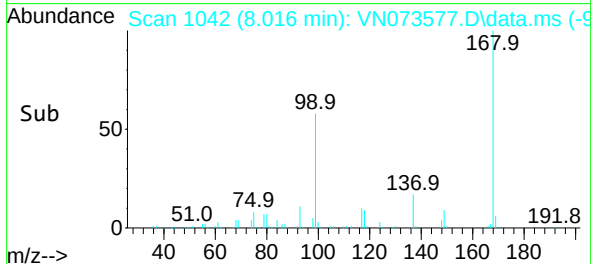
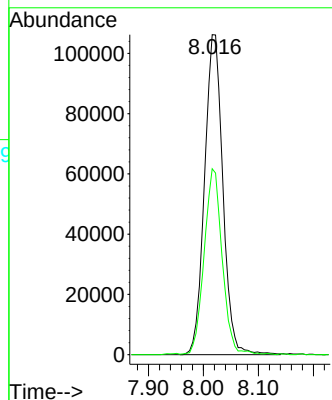
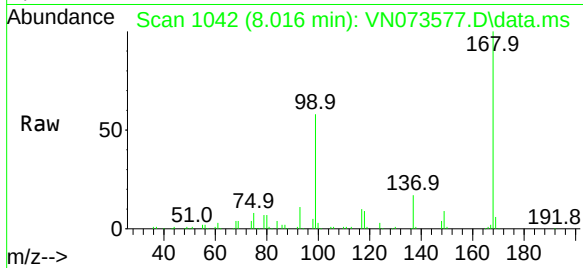




#1
Pentafluorobenzene
Concen: 50.000 ug/l
RT: 8.016 min Scan# 1042
Delta R.T. -0.000 min
Lab File: VN073577.D
Acq: 25 Jul 2022 14:19

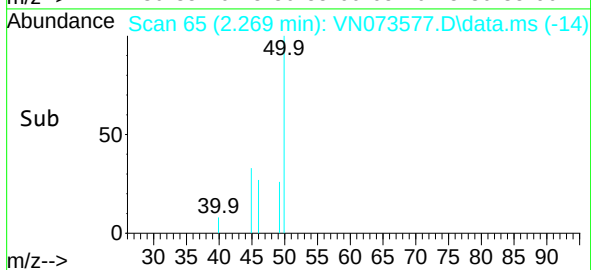
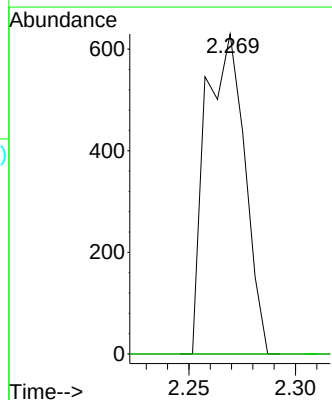
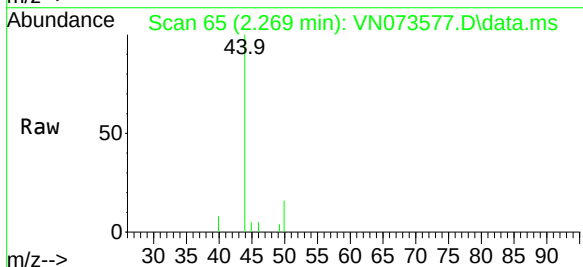
Instrument :
MSVOA_N
ClientSampleId :
MW-7F

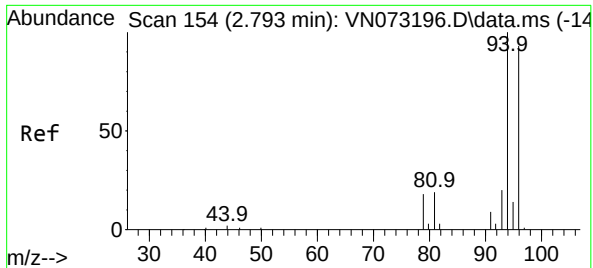
Tgt Ion:168 Resp: 246341
Ion Ratio Lower Upper
168 100
99 57.9 42.3 63.5



#3
Chloromethane
Concen: 0.229 ug/l
RT: 2.269 min Scan# 65
Delta R.T. 0.000 min
Lab File: VN073577.D
Acq: 25 Jul 2022 14:19

Tgt Ion: 50 Resp: 800
Ion Ratio Lower Upper
50 100
52 0.0 25.7 38.5#

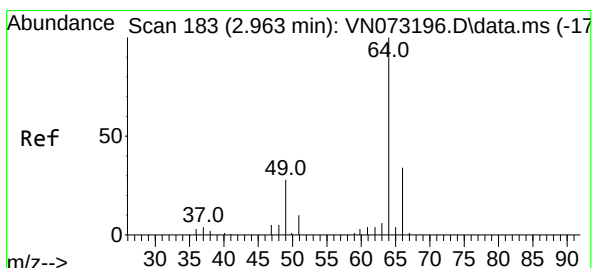
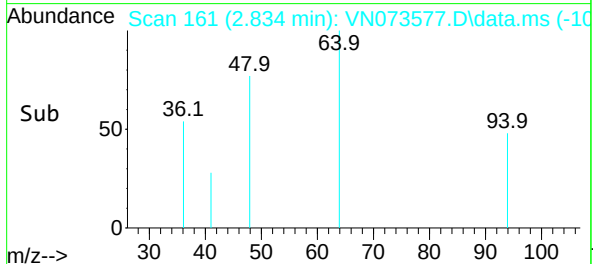
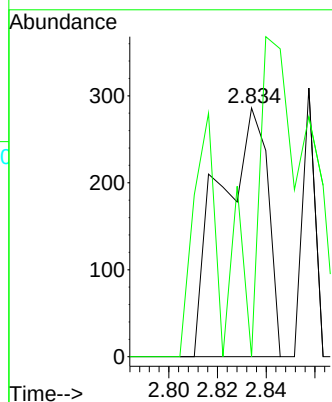
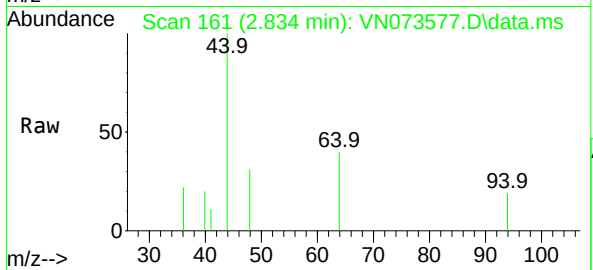




#5
Bromomethane
Concen: 0.278 ug/l
RT: 2.834 min Scan# 1
Delta R.T. 0.041 min
Lab File: VN073577.D
Acq: 25 Jul 2022 14:19

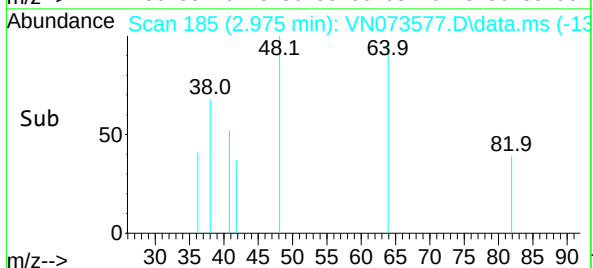
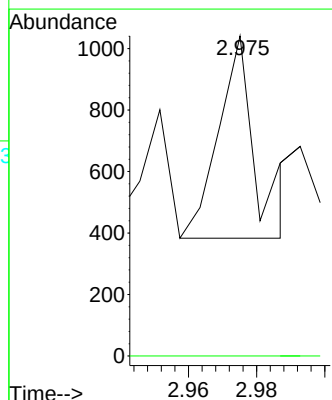
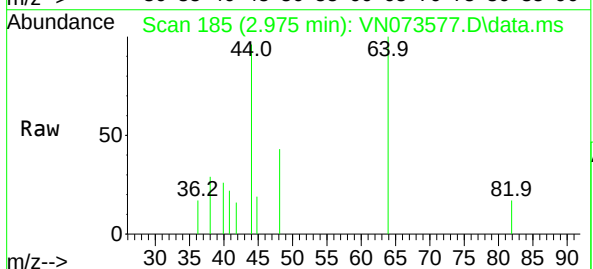
Instrument :
MSVOA_N
ClientSampleId :
MW-7F

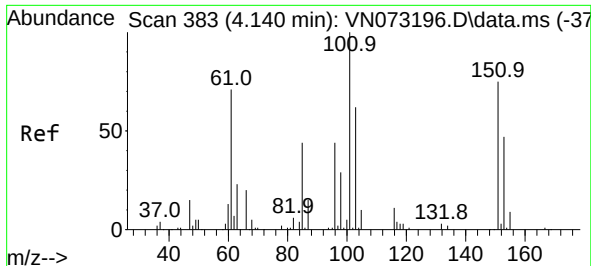
Tgt Ion: 94 Resp: 390
Ion Ratio Lower Upper
94 100
96 0.0 76.0 114.0#



#6
Chloroethane
Concen: 0.288 ug/l
RT: 2.975 min Scan# 185
Delta R.T. 0.012 min
Lab File: VN073577.D
Acq: 25 Jul 2022 14:19

Tgt Ion: 64 Resp: 504
Ion Ratio Lower Upper
64 100
66 0.0 26.2 39.4#

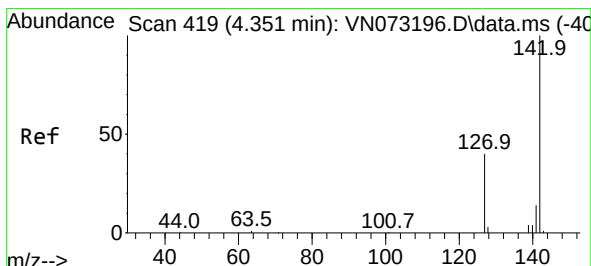
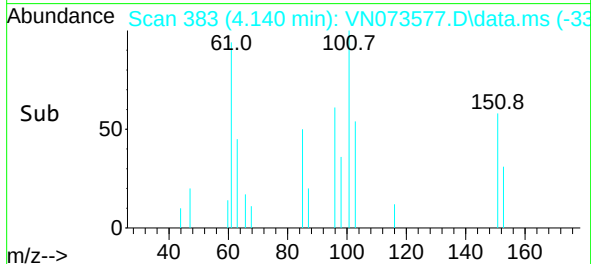
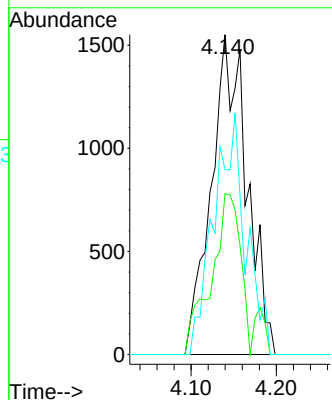
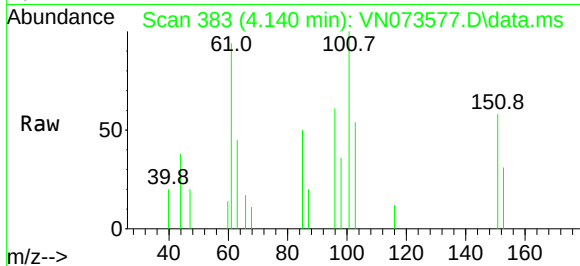




#9
 1,1,2-Trichlorotrifluoroethane
 Concen: 1.491 ug/l
 RT: 4.140 min Scan# 383
 Delta R.T. -0.000 min
 Lab File: VN073577.D
 Acq: 25 Jul 2022 14:19

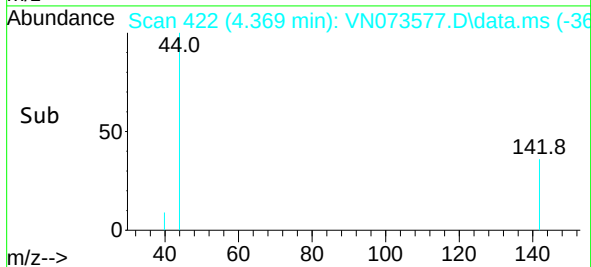
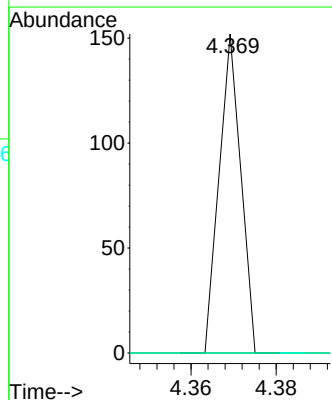
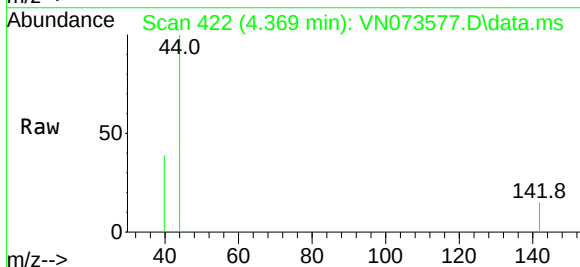
Instrument :
 MSVOA_N
 ClientSampleId :
 MW-7F

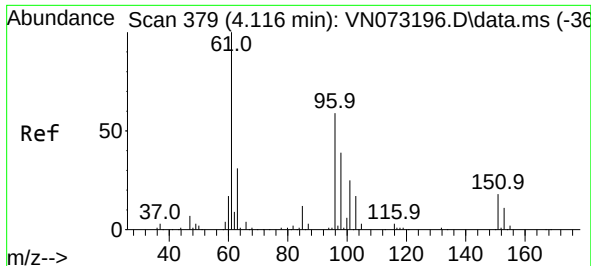
Tgt Ion:101 Resp: 4524
 Ion Ratio Lower Upper
 101 100
 85 41.1 34.7 52.1
 151 67.4 63.0 94.4



#10
 Methyl Iodide
 Concen: 3.749 ug/l
 RT: 4.369 min Scan# 422
 Delta R.T. 0.018 min
 Lab File: VN073577.D
 Acq: 25 Jul 2022 14:19

Tgt Ion:142 Resp: 54
 Ion Ratio Lower Upper
 142 100
 127 0.0 31.3 46.9#
 141 0.0 11.2 16.8#





#12

1,1-Dichloroethene

Concen: 1.880 ug/l

RT: 4.116 min Scan# 31

Delta R.T. 0.000 min

Lab File: VN073577.D

Acq: 25 Jul 2022 14:19

Instrument :

MSVOA_N

ClientSampleId :

MW-7F

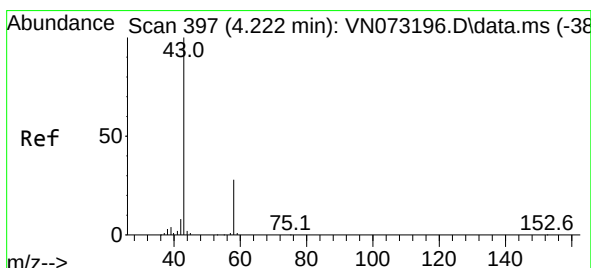
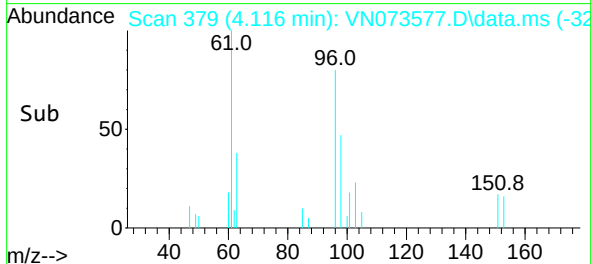
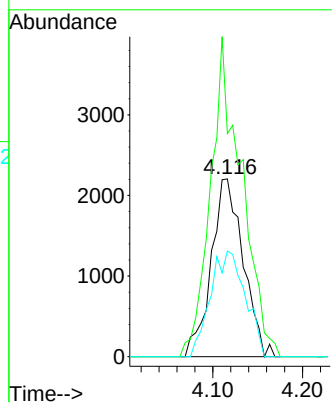
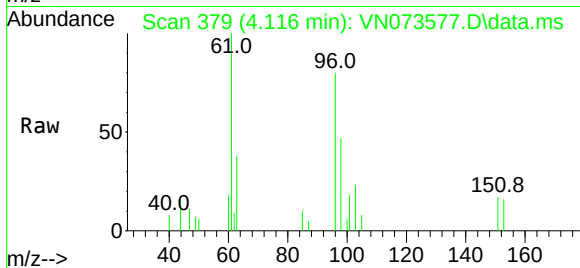
Tgt Ion: 96 Resp: 5451

Ion Ratio Lower Upper

96 100

61 125.4 127.6 191.4#

98 59.5 51.2 76.8



#16

Acetone

Concen: 2.776 ug/l

RT: 4.234 min Scan# 399

Delta R.T. 0.012 min

Lab File: VN073577.D

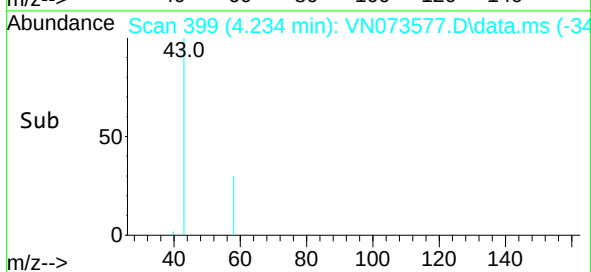
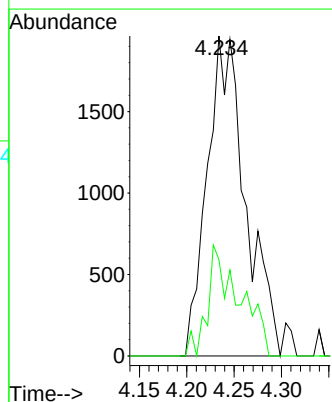
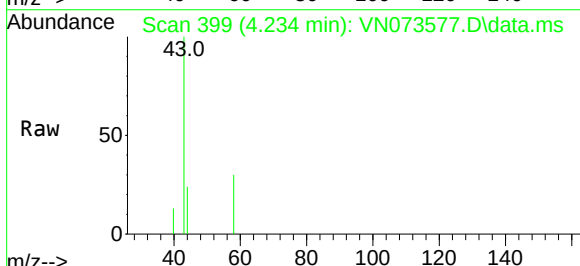
Acq: 25 Jul 2022 14:19

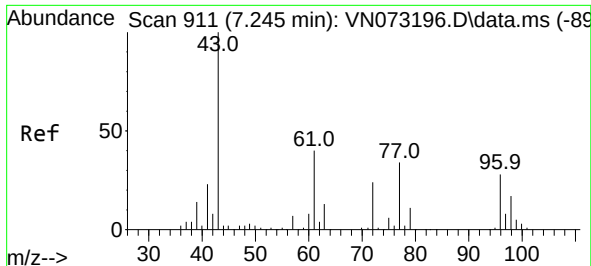
Tgt Ion: 43 Resp: 5541

Ion Ratio Lower Upper

43 100

58 30.1 26.0 39.0





#27

cis-1,2-Dichloroethene

Concen: 0.223 ug/l

RT: 7.240 min Scan# 911

Delta R.T. -0.005 min

Lab File: VN073577.D

Acq: 25 Jul 2022 14:19

Instrument :

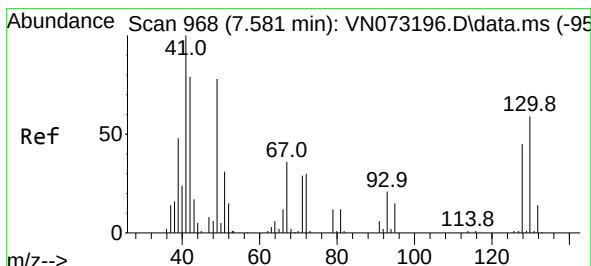
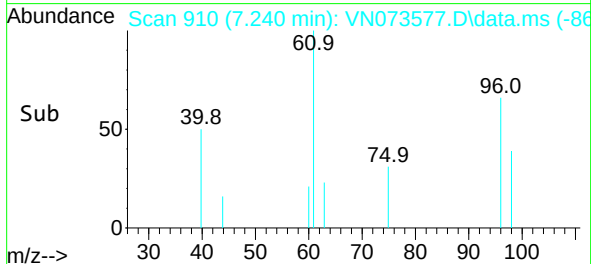
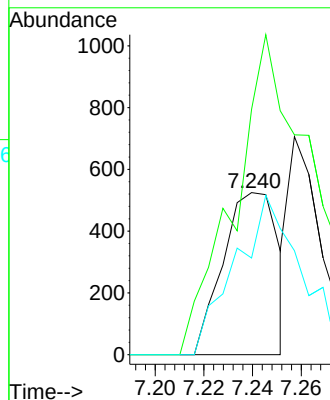
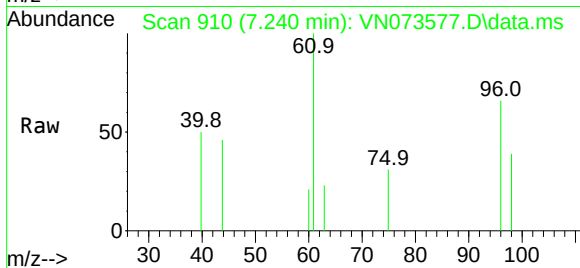
MSVOA_N

ClientSampleId :

MW-7F

Tgt Ion: 96 Resp: 820

Ion	Ratio	Lower	Upper
96	100		
61	280.1	0.0	280.6
98	115.5	0.0	128.4



#28

Bromochloromethane

Concen: 1.056 ug/l

RT: 7.740 min Scan# 995

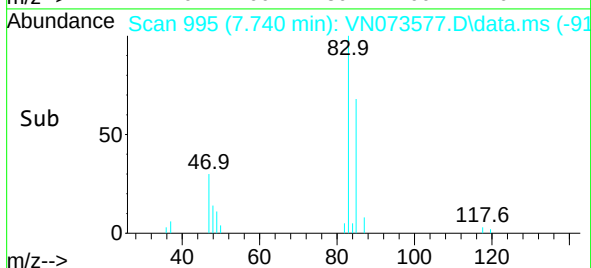
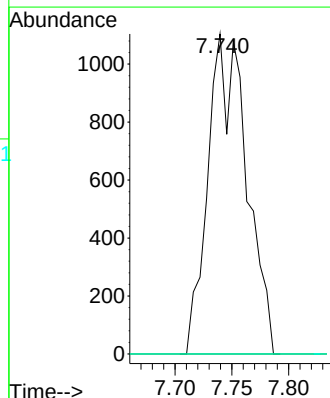
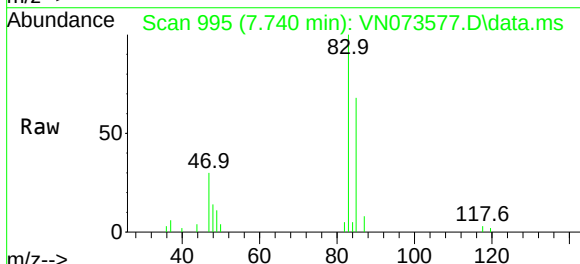
Delta R.T. 0.159 min

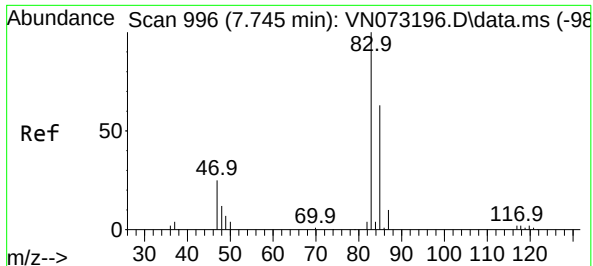
Lab File: VN073577.D

Acq: 25 Jul 2022 14:19

Tgt Ion: 49 Resp: 2609

Ion	Ratio	Lower	Upper
49	100		
129	0.0	0.0	4.6
130	0.0	69.7	104.5#





#30

Chloroform

Concen: 4.978 ug/l

RT: 7.745 min Scan# 996

Delta R.T. 0.000 min

Lab File: VN073577.D

Acq: 25 Jul 2022 14:19

Instrument :

MSVOA_N

ClientSampleId :

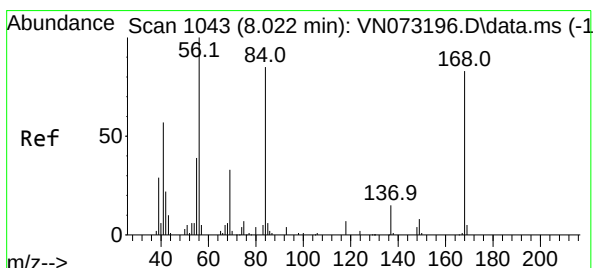
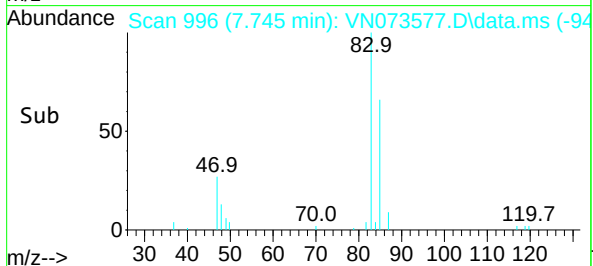
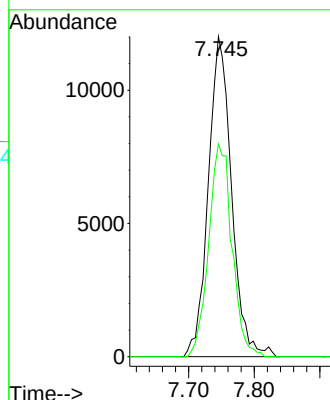
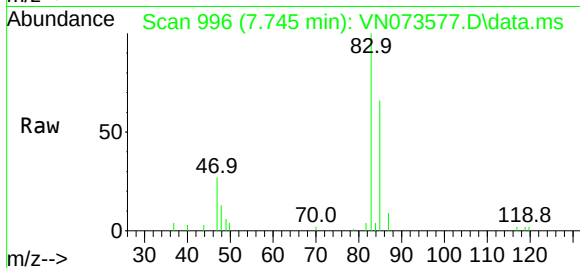
MW-7F

Tgt Ion: 83 Resp: 29578

Ion Ratio Lower Upper

83 100

85 66.4 51.8 77.8



#31

Cyclohexane

Concen: 0.984 ug/l

RT: 8.022 min Scan# 1043

Delta R.T. -0.000 min

Lab File: VN073577.D

Acq: 25 Jul 2022 14:19

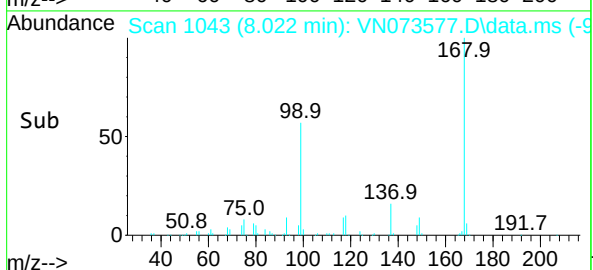
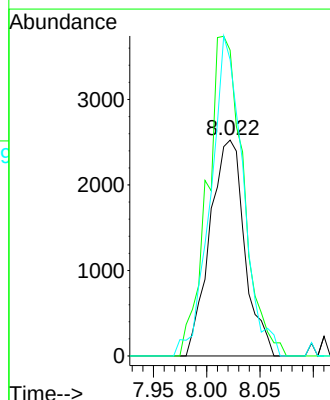
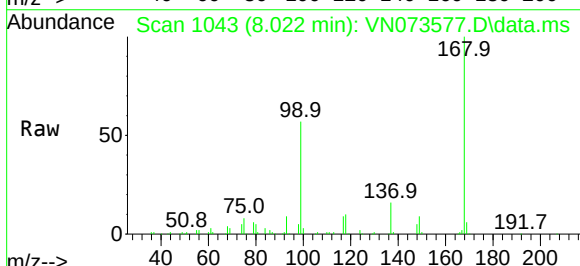
Tgt Ion: 56 Resp: 5731

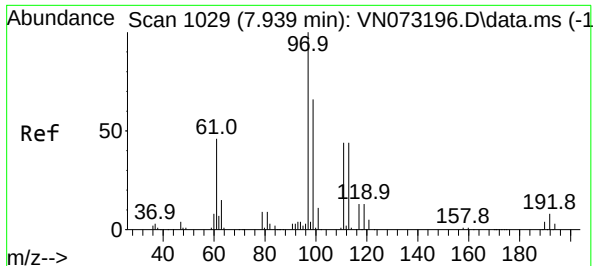
Ion Ratio Lower Upper

56 100

69 141.7 27.8 41.8#

84 137.3 76.9 115.3#





#32

1,1,1-Trichloroethane

Concen: 0.245 ug/l

RT: 7.945 min Scan# 1103

Delta R.T. 0.006 min

Lab File: VN073577.D

Acq: 25 Jul 2022 14:19

Instrument :

MSVOA_N

ClientSampleId :

MW-7F

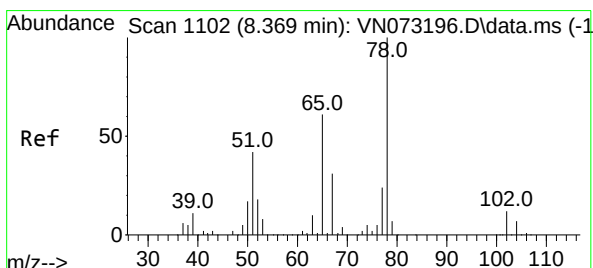
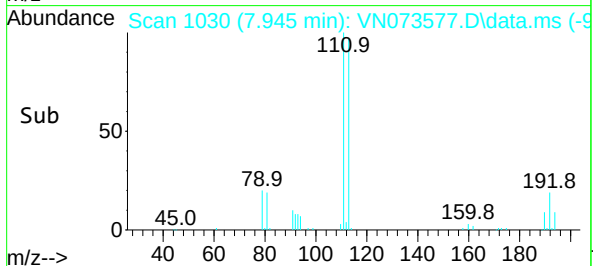
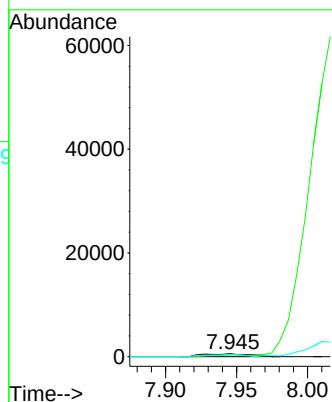
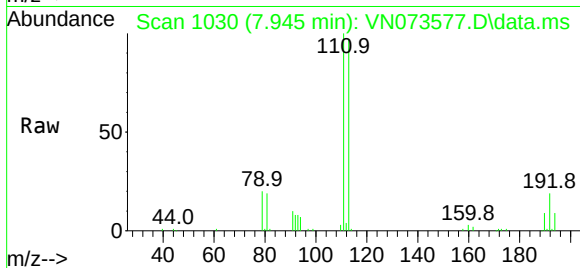
Tgt Ion: 97 Resp: 1299

Ion Ratio Lower Upper

97 100

99 0.0 50.6 76.0#

61 53.8 36.0 54.0



#33

1,2-Dichloroethane-d4

Concen: 43.196 ug/l

RT: 8.375 min Scan# 1103

Delta R.T. 0.006 min

Lab File: VN073577.D

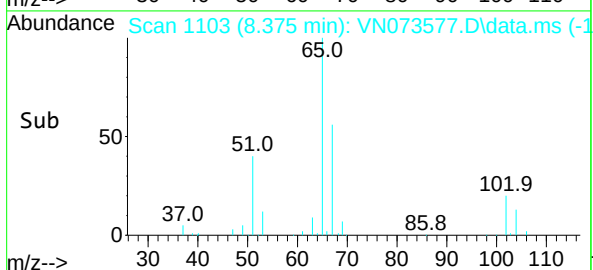
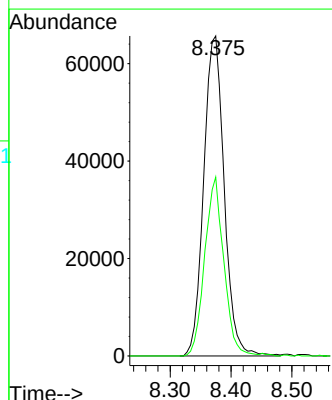
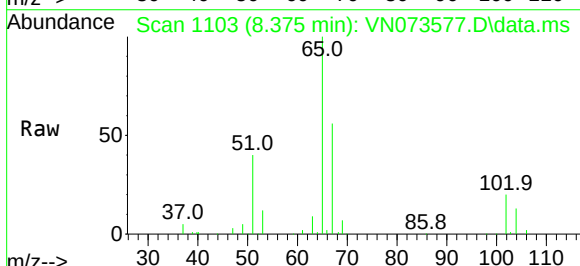
Acq: 25 Jul 2022 14:19

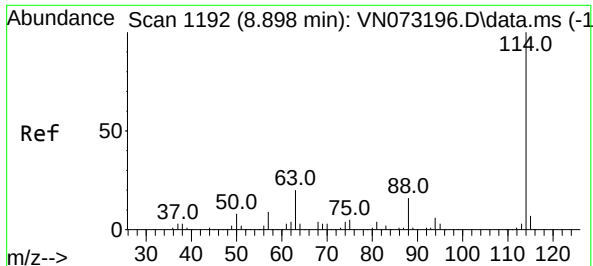
Tgt Ion: 65 Resp: 153614

Ion Ratio Lower Upper

65 100

67 52.0 0.0 104.8





#34

1,4-Difluorobenzene

Concen: 50.000 ug/l

RT: 8.904 min Scan# 1192

Delta R.T. 0.006 min

Lab File: VN073577.D

Acq: 25 Jul 2022 14:19

Instrument :

MSVOA_N

ClientSampleId :

MW-7F

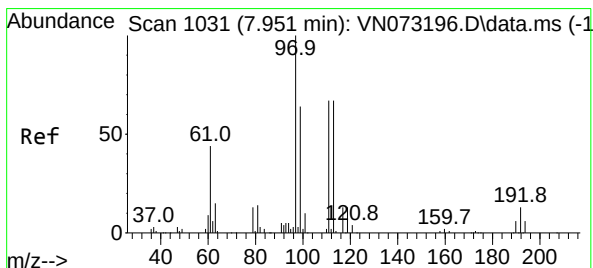
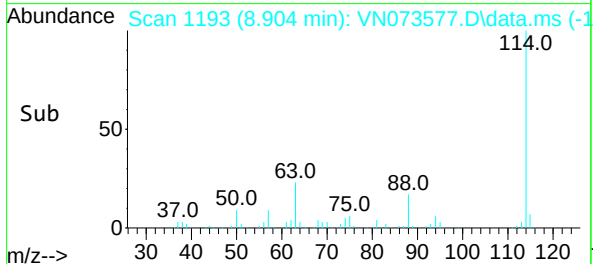
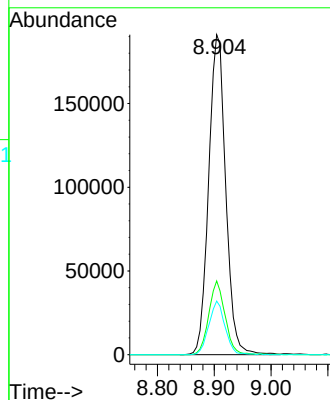
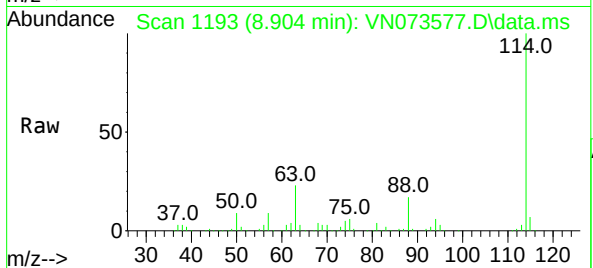
Tgt Ion:114 Resp: 397268

Ion Ratio Lower Upper

114 100

63 23.0 0.0 40.0

88 16.8 0.0 32.6



#35

Dibromofluoromethane

Concen: 49.350 ug/l

RT: 7.951 min Scan# 1031

Delta R.T. 0.000 min

Lab File: VN073577.D

Acq: 25 Jul 2022 14:19

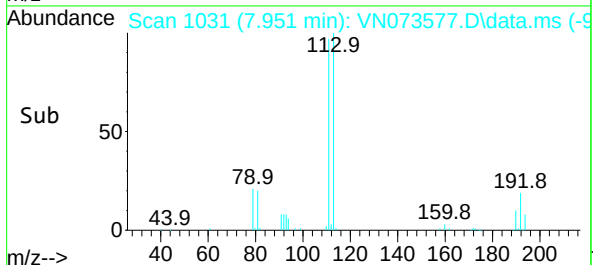
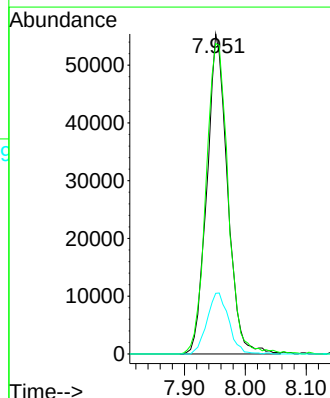
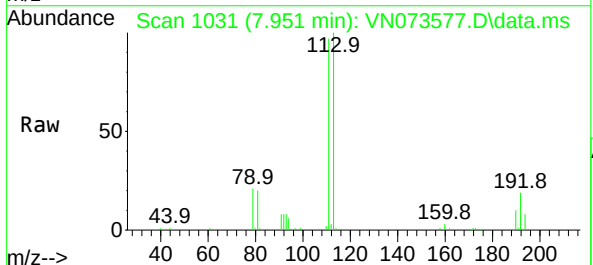
Tgt Ion:113 Resp: 130437

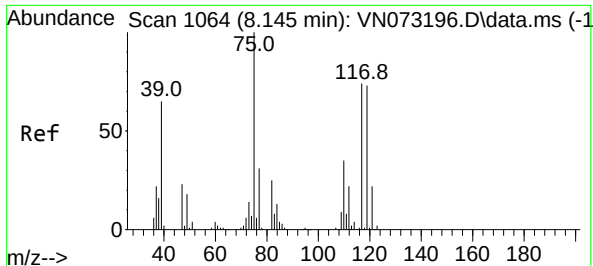
Ion Ratio Lower Upper

113 100

111 104.4 81.4 122.0

192 20.0 17.0 25.6





#36

1,1-Dichloropropene

Concen: 4.792 ug/l

RT: 8.016 min Scan# 1042

Delta R.T. -0.129 min

Lab File: VN073577.D

Acq: 25 Jul 2022 14:19

Instrument :

MSVOA_N

ClientSampleId :

MW-7F

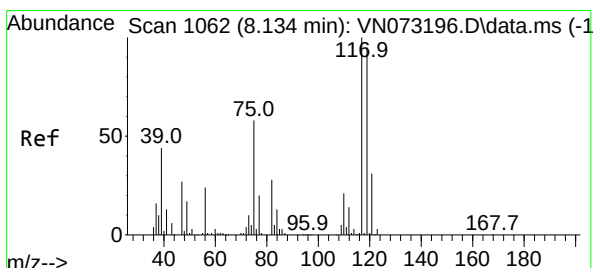
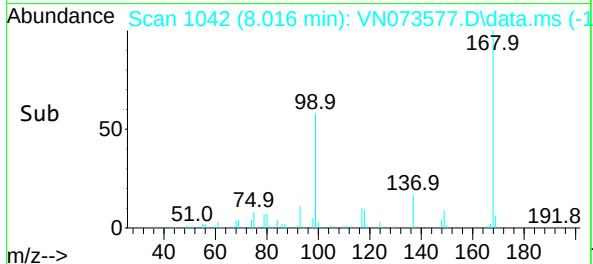
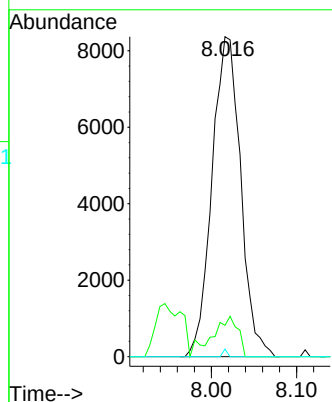
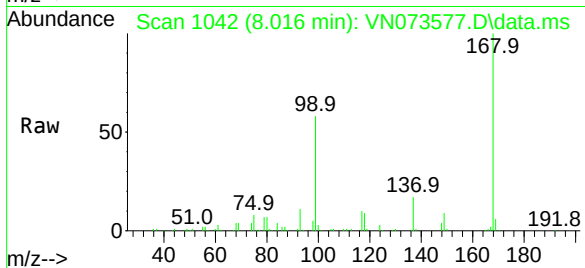
Tgt Ion: 75 Resp: 19487

Ion Ratio Lower Upper

75 100

110 10.1 18.3 54.8#

77 0.4 25.1 37.7#



#38

Carbon Tetrachloride

Concen: 5.778 ug/l

RT: 8.016 min Scan# 1042

Delta R.T. -0.118 min

Lab File: VN073577.D

Acq: 25 Jul 2022 14:19

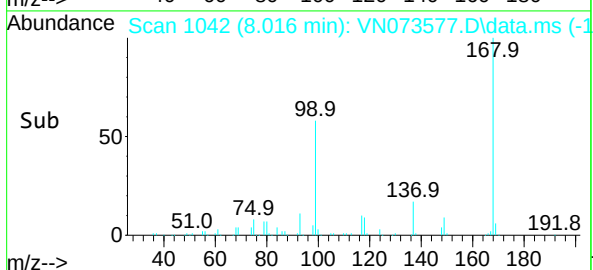
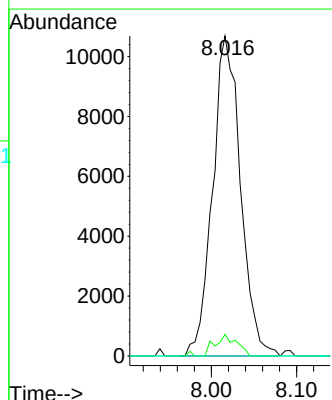
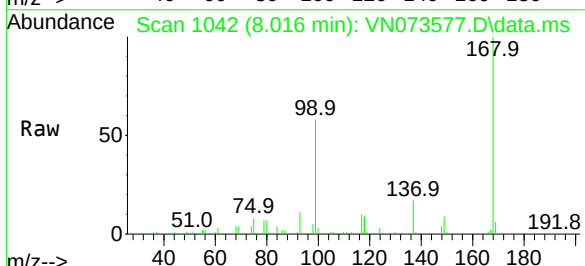
Tgt Ion: 117 Resp: 24301

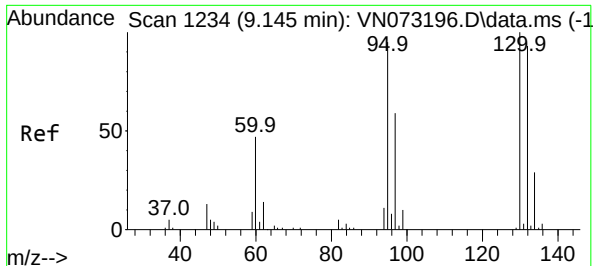
Ion Ratio Lower Upper

117 100

119 6.7 75.8 113.8#

121 0.0 24.6 37.0#

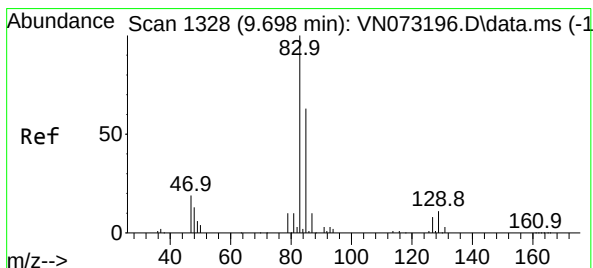
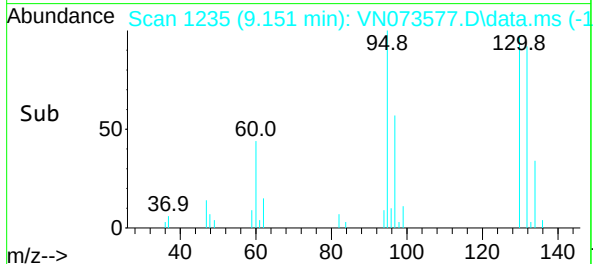
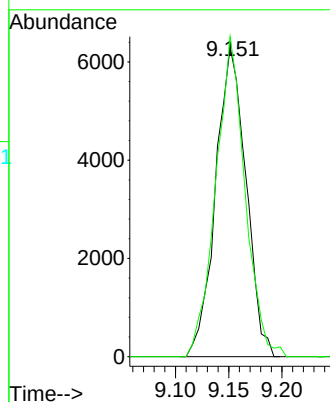
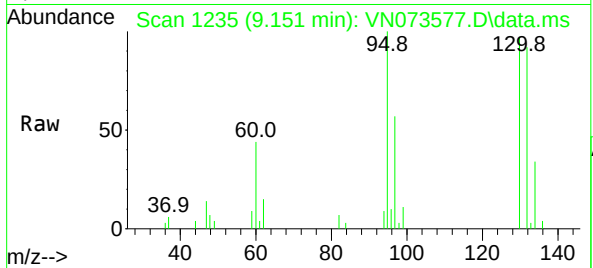




#44
Trichloroethene
Concen: 3.908 ug/l
RT: 9.151 min Scan# 11
Delta R.T. 0.006 min
Lab File: VN073577.D
Acq: 25 Jul 2022 14:19

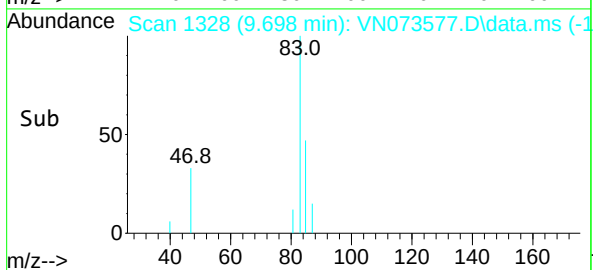
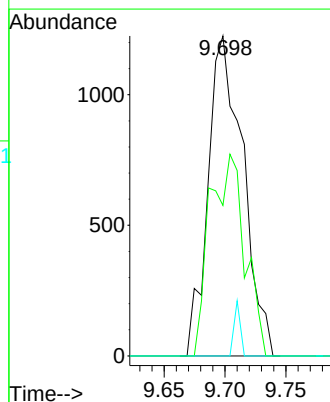
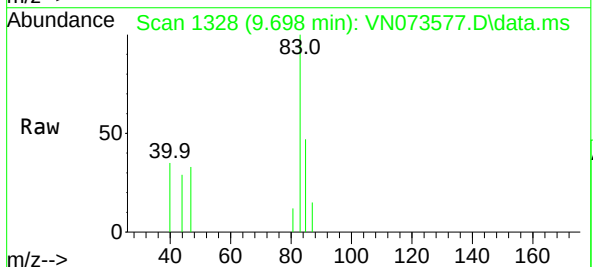
Instrument :
MSVOA_N
ClientSampleId :
MW-7F

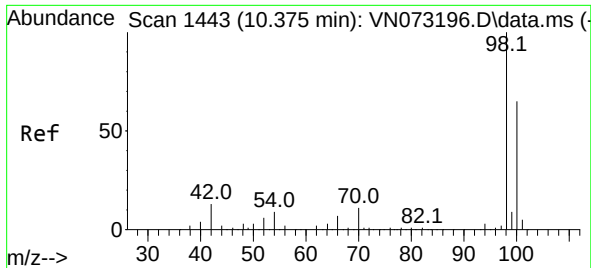
Tgt Ion:130 Resp: 12483
Ion Ratio Lower Upper
130 100
95 103.3 0.0 186.8



#47
Bromodichloromethane
Concen: 0.579 ug/l
RT: 9.698 min Scan# 1328
Delta R.T. 0.000 min
Lab File: VN073577.D
Acq: 25 Jul 2022 14:19

Tgt Ion: 83 Resp: 2437
Ion Ratio Lower Upper
83 100
85 47.0 50.5 75.7#
127 0.0 6.8 10.2#

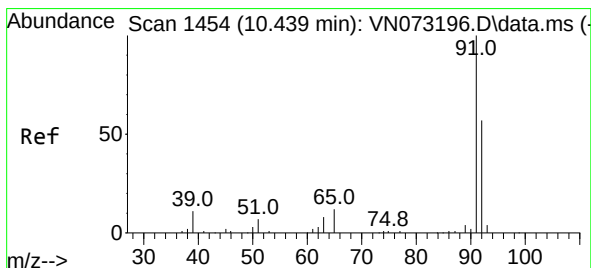
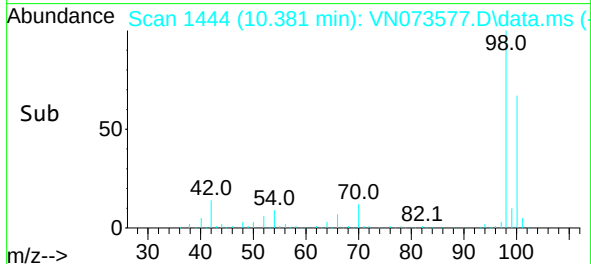
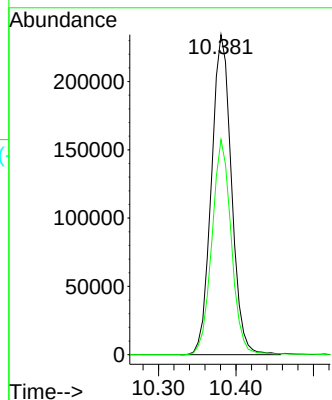
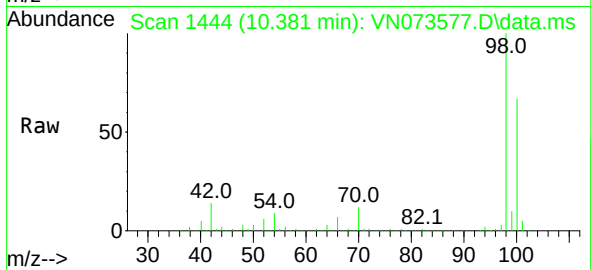




#50
Toluene-d8
Concen: 44.835 ug/l
RT: 10.381 min Scan# 1444
Delta R.T. 0.006 min
Lab File: VN073577.D
Acq: 25 Jul 2022 14:19

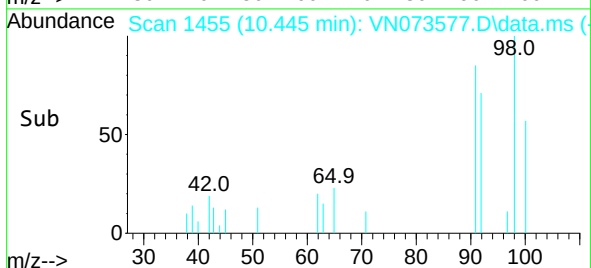
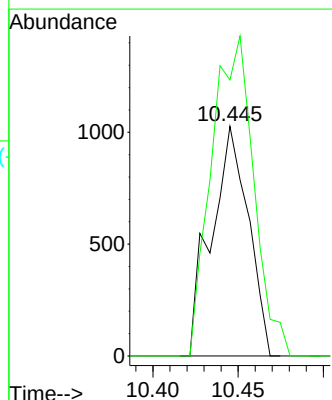
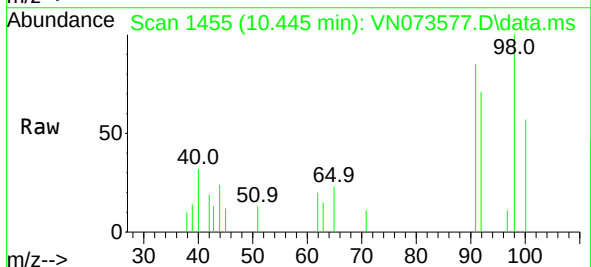
Instrument :
MSVOA_N
ClientSampleId :
MW-7F

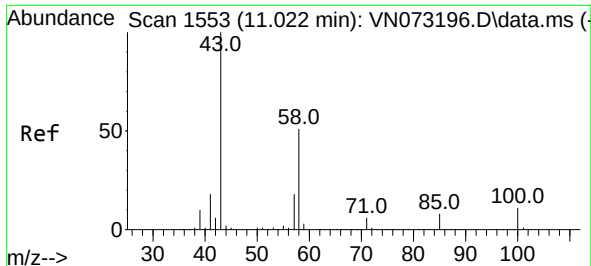
Tgt Ion: 98 Resp: 420885
Ion Ratio Lower Upper
98 100
100 65.1 52.6 78.8



#52
Toluene
Concen: 0.200 ug/l
RT: 10.445 min Scan# 1455
Delta R.T. 0.006 min
Lab File: VN073577.D
Acq: 25 Jul 2022 14:19

Tgt Ion: 92 Resp: 1555
Ion Ratio Lower Upper
92 100
91 158.5 138.6 207.8

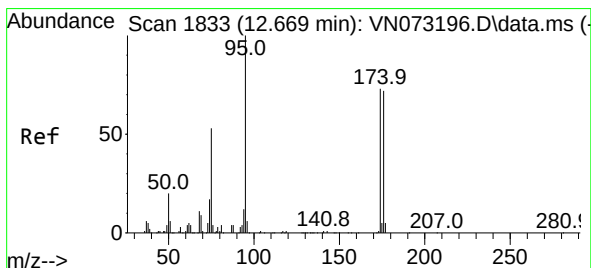
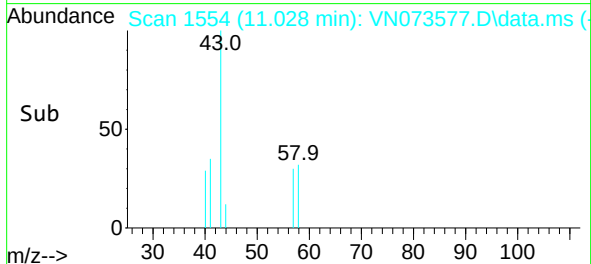
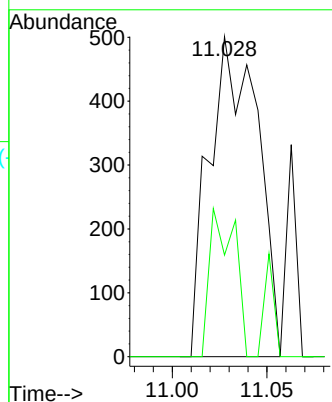
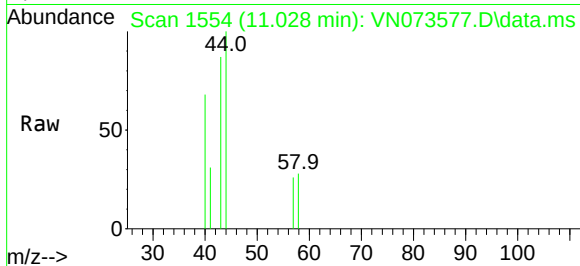




#59
2-Hexanone
Concen: 0.210 ug/l
RT: 11.028 min Scan# 11553
Delta R.T. 0.006 min
Lab File: VN073577.D
Acq: 25 Jul 2022 14:19

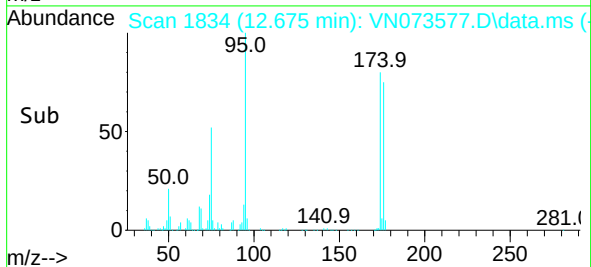
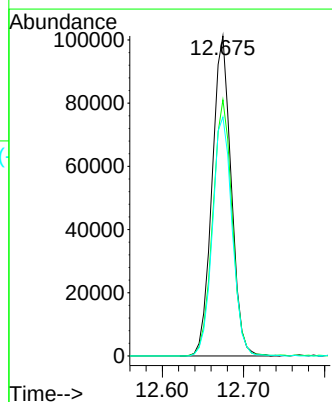
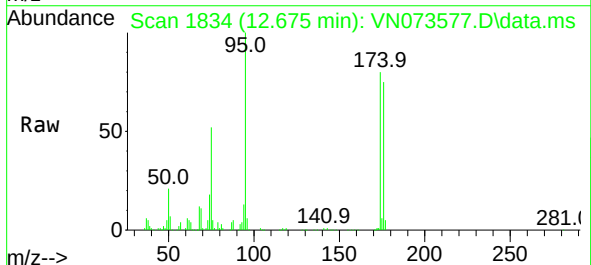
Instrument :
MSVOA_N
ClientSampleId :
MW-7F

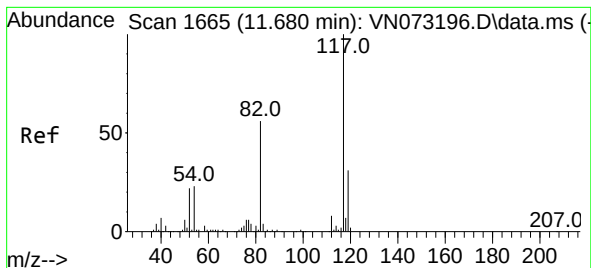
Tgt Ion: 43 Resp: 897
Ion Ratio Lower Upper
43 100
58 23.9 29.7 89.1#



#62
4-Bromofluorobenzene
Concen: 45.858 ug/l
RT: 12.675 min Scan# 1834
Delta R.T. 0.005 min
Lab File: VN073577.D
Acq: 25 Jul 2022 14:19

Tgt Ion: 95 Resp: 165433
Ion Ratio Lower Upper
95 100
174 81.4 0.0 167.6
176 76.9 0.0 163.4





#63

Chlorobenzene-d5

Concen: 50.000 ug/l

RT: 11.686 min Scan# 1

Delta R.T. 0.006 min

Lab File: VN073577.D

Acq: 25 Jul 2022 14:19

Instrument :

MSVOA_N

ClientSampleId :

MW-7F

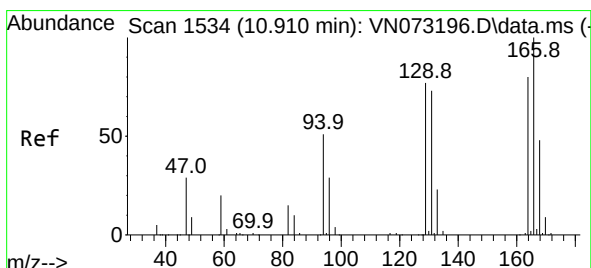
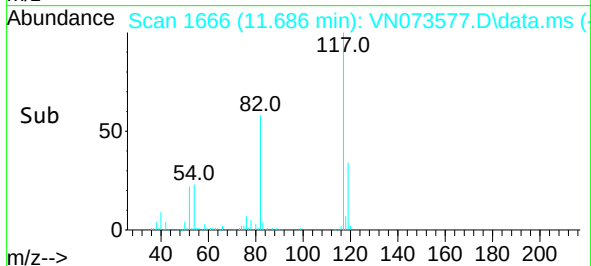
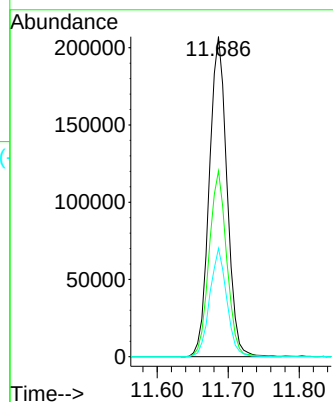
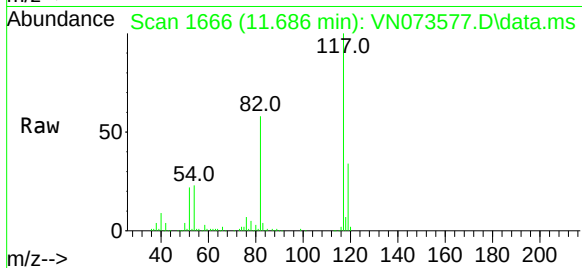
Tgt Ion:117 Resp: 358639

Ion Ratio Lower Upper

117 100

82 58.0 44.2 66.2

119 33.9 25.4 38.0



#64

Tetrachloroethene

Concen: 0.812 ug/l

RT: 10.922 min Scan# 1536

Delta R.T. 0.012 min

Lab File: VN073577.D

Acq: 25 Jul 2022 14:19

Tgt Ion:164 Resp: 2377

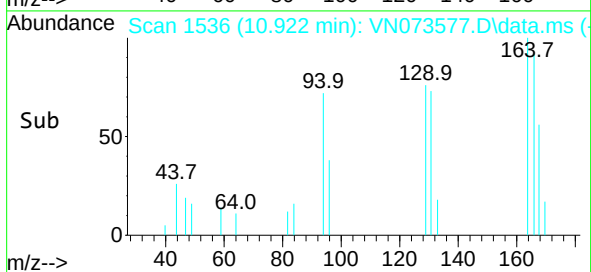
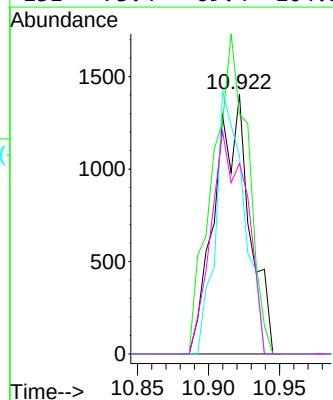
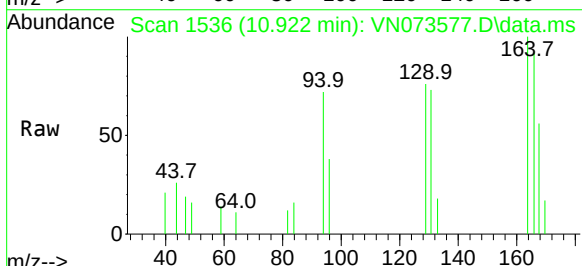
Ion Ratio Lower Upper

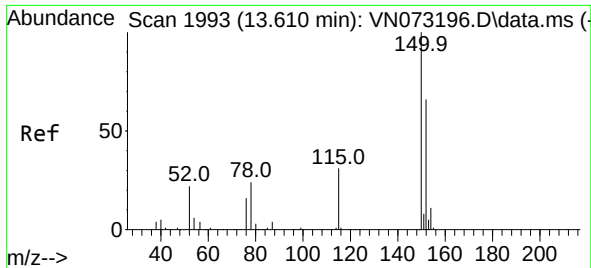
164 100

166 92.4 104.2 156.2#

129 76.4 73.9 110.9

131 73.4 69.4 104.2

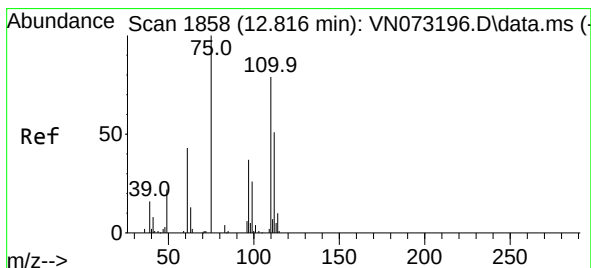
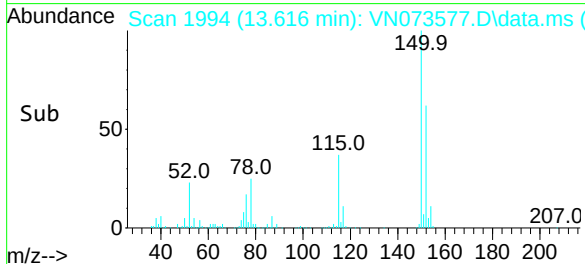
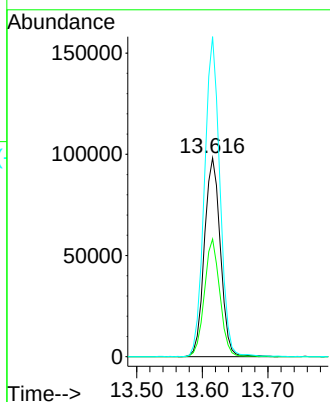
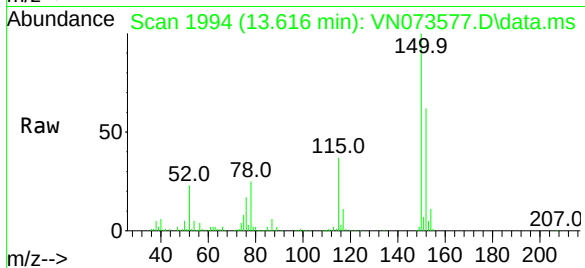




#72
 1,4-Dichlorobenzene-d4
 Concen: 50.000 ug/l
 RT: 13.616 min Scan# 1993
 Delta R.T. 0.006 min
 Lab File: VN073577.D
 Acq: 25 Jul 2022 14:19

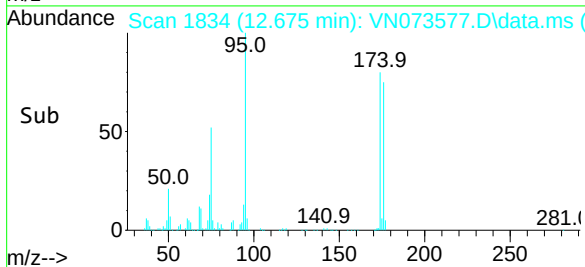
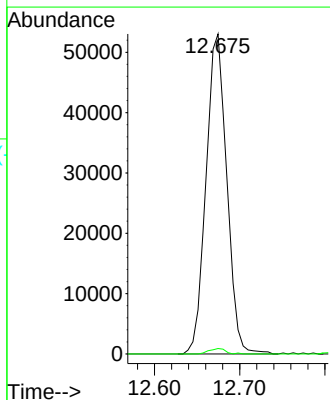
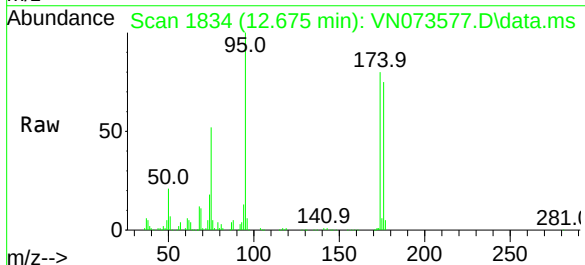
Instrument :
 MSVOA_N
 ClientSampleId :
 MW-7F

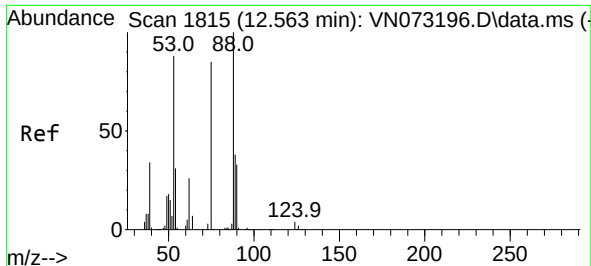
Tgt Ion:152 Resp: 166895
 Ion Ratio Lower Upper
 152 100
 115 57.1 28.9 86.7
 150 155.7 0.0 356.2



#76
 1,2,3-Trichloropropane
 Concen: 20.561 ug/l
 RT: 12.675 min Scan# 1834
 Delta R.T. -0.142 min
 Lab File: VN073577.D
 Acq: 25 Jul 2022 14:19

Tgt Ion: 75 Resp: 89726
 Ion Ratio Lower Upper
 75 100
 77 1.4 98.5 295.5#

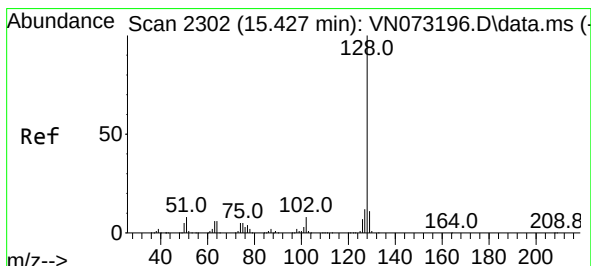
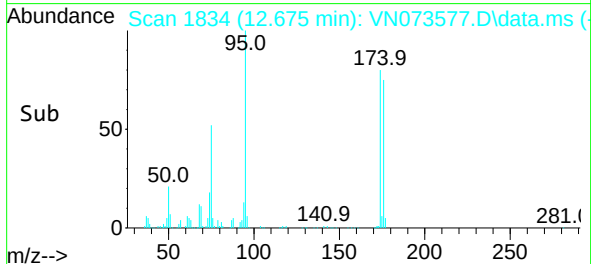
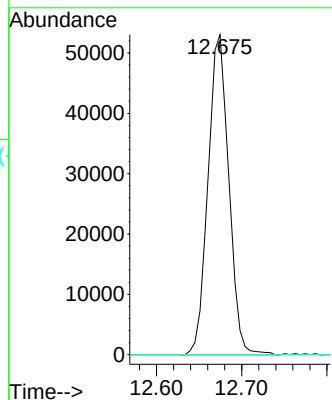
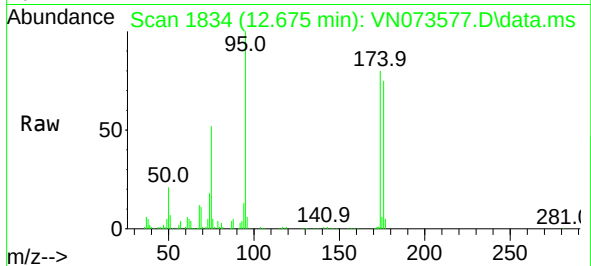




#81
trans-1,4-Dichloro-2-butene
Concen: 56.387 ug/l
RT: 12.675 min Scan# 1815
Delta R.T. 0.111 min
Lab File: VN073577.D
Acq: 25 Jul 2022 14:19

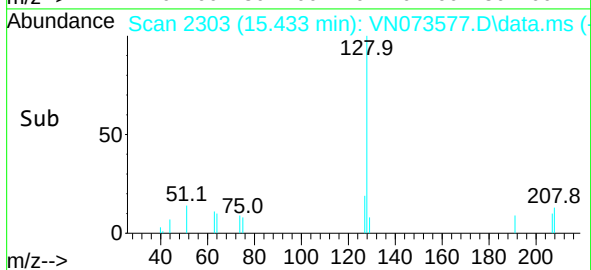
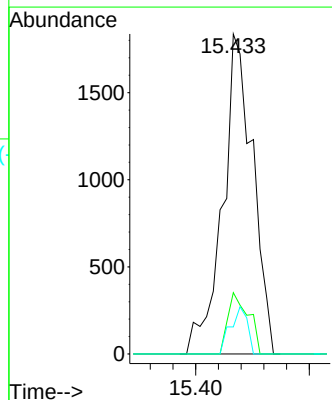
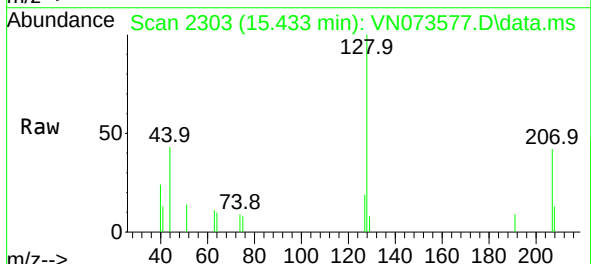
Instrument :
MSVOA_N
ClientSampleId :
MW-7F

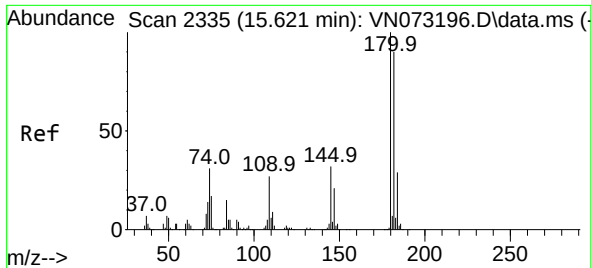
Tgt Ion: 75 Resp: 89726
Ion Ratio Lower Upper
75 100
53 0.0 78.0 117.0#
89 0.0 37.2 55.8#



#95
Naphthalene
Concen: 0.262 ug/l
RT: 15.433 min Scan# 2303
Delta R.T. 0.006 min
Lab File: VN073577.D
Acq: 25 Jul 2022 14:19

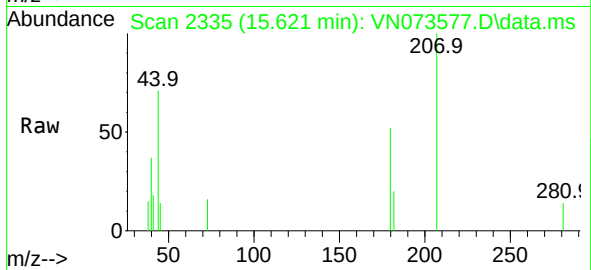
Tgt Ion: 128 Resp: 3373
Ion Ratio Lower Upper
128 100
127 13.2 10.3 15.5
129 8.2 8.6 13.0#





#96
 1,2,3-Trichlorobenzene
 Concen: 0.213 ug/l
 RT: 15.621 min Scan# 21
 Delta R.T. 0.000 min
 Lab File: VN073577.D
 Acq: 25 Jul 2022 14:19

Instrument :
 MSVOA_N
 ClientSampleId :
 MW-7F



Tgt Ion:	180	Resp:	701
Ion	Ratio	Lower	Upper
180	100		
182	58.9	47.8	143.3
145	0.0	15.5	46.5#

