

Data Path : Z:\voasrv\HPCHEM1\MSVOA_N\Data\VN091322\
 Data File : VN074438.D
 Acq On : 13 Sep 2022 17:16
 Operator : JC\MD
 Sample : N4492-05
 Misc : 5.0mL/MSVOA_N/WATER
 ALS Vial : 16 Sample Multiplier: 1

Instrument :
 MSVOA_N
 ClientSampleId :
 MW-01-1.5-11.5-090122

Quant Time: Sep 14 08:03:05 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)

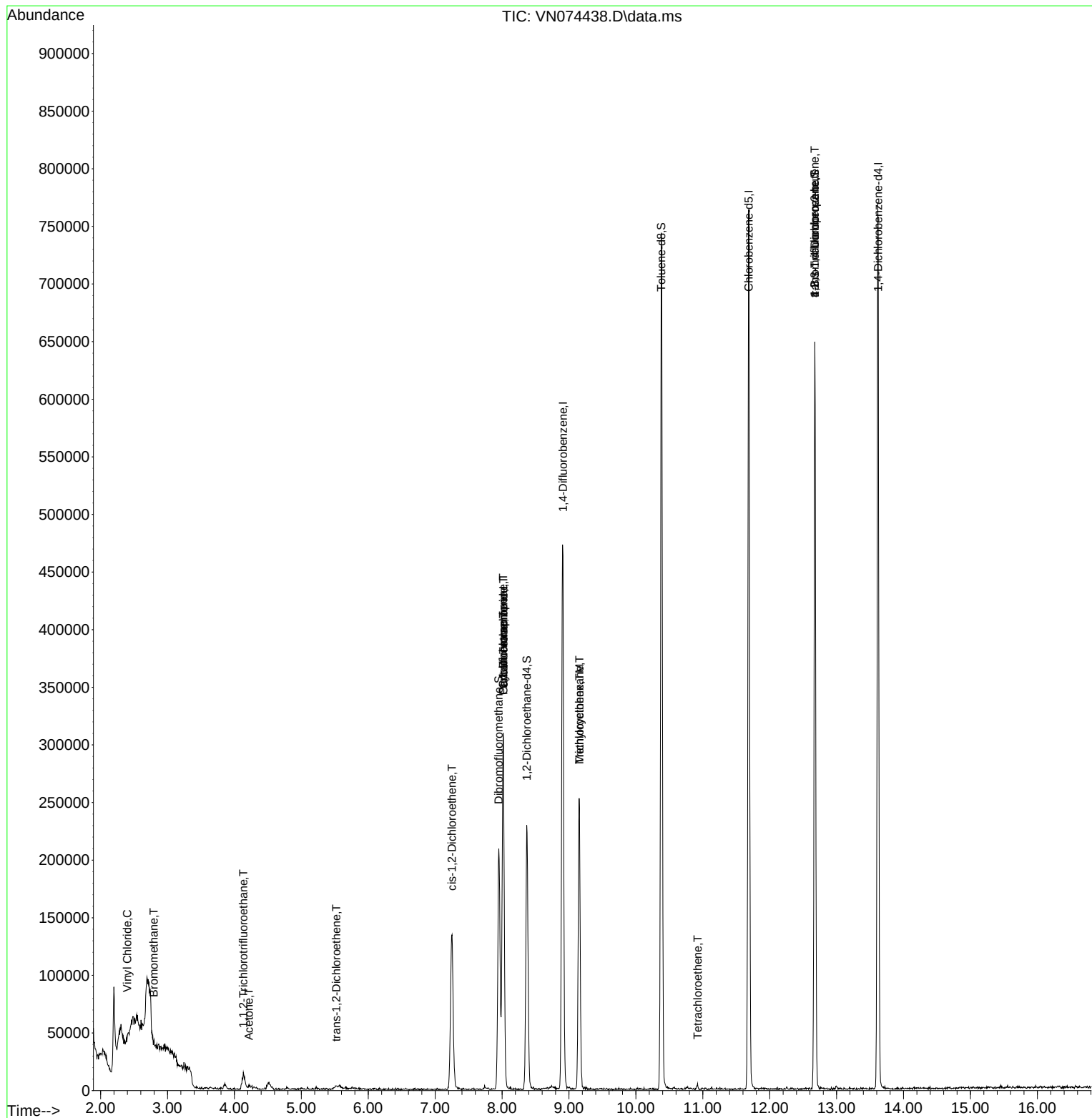
Internal Standards						
1) Pentafluorobenzene	8.022	168	205866	50.000	ug/l	0.00
34) 1,4-Difluorobenzene	8.910	114	384339	50.000	ug/l	0.00
63) Chlorobenzene-d5	11.686	117	371008	50.000	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.621	152	175965	50.000	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	8.369	65	178976	50.249	ug/l	0.00
Spiked Amount	50.000	Range	74 - 125	Recovery	= 100.500%	
35) Dibromofluoromethane	7.951	113	140644	54.205	ug/l	0.00
Spiked Amount	50.000	Range	75 - 124	Recovery	= 108.420%	
50) Toluene-d8	10.380	98	477306	47.211	ug/l	0.00
Spiked Amount	50.000	Range	86 - 113	Recovery	= 94.420%	
62) 4-Bromofluorobenzene	12.674	95	193745	52.783	ug/l	0.00
Spiked Amount	50.000	Range	83 - 123	Recovery	= 105.560%	
Target Compounds						
					Qvalue	
3) Chloromethane	2.263	50	1092	Below Cal	#	45
4) Vinyl Chloride	2.399	62	2097	0.470	ug/l #	1
5) Bromomethane	2.793	94	934	0.300	ug/l #	38
6) Chloroethane	3.181	64	1029	Below Cal	#	42
9) 1,1,2-Trichlorotrifluo...	4.134	101	8749	3.317	ug/l	97
16) Acetone	4.216	43	4651	2.419	ug/l	91
20) Methylene Chloride	5.010	84	108	Below Cal	#	37
21) trans-1,2-Dichloroethene	5.522	96	679	0.236	ug/l #	65
27) cis-1,2-Dichloroethene	7.251	96	74495	21.027	ug/l	91
31) Cyclohexane	8.016	56	7800	1.377	ug/l #	46
36) 1,1-Dichloropropene	8.016	75	21600	5.053	ug/l #	52
38) Carbon Tetrachloride	8.022	117	23992	5.437	ug/l #	17
39) Methylcyclohexane	9.157	83	1107	0.204	ug/l #	22
44) Trichloroethene	9.157	130	81085	27.635	ug/l	99
64) Tetrachloroethene	10.922	164	584	0.232	ug/l #	72
74) N-amyl acetate	12.322	43	273	Below Cal	#	45
76) 1,2,3-Trichloropropane	12.674	75	120032	26.094	ug/l #	1
81) trans-1,4-Dichloro-2-b...	12.674	75	120032	58.162	ug/l #	9
92) 1,2-Dibromo-3-Chloropr...	14.698	75	69	Below Cal	#	8

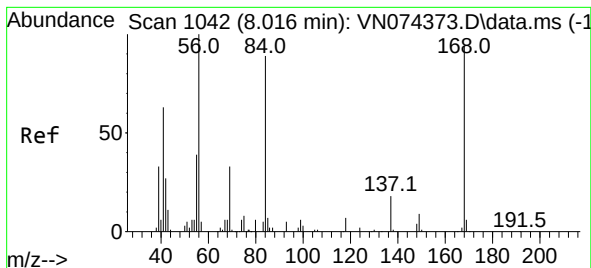
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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Response via : Initial Calibration

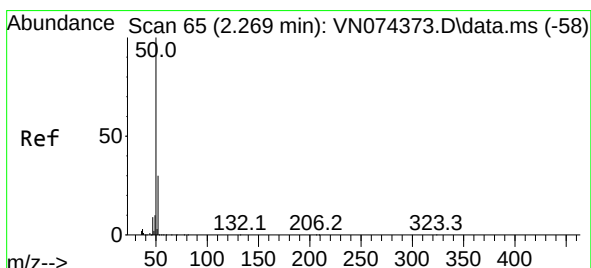
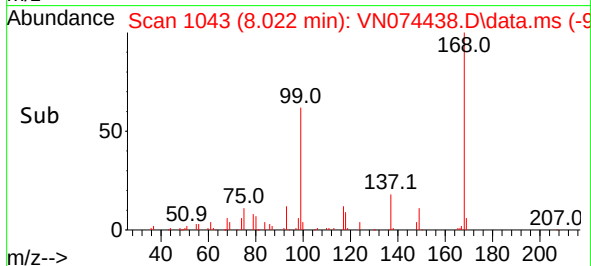
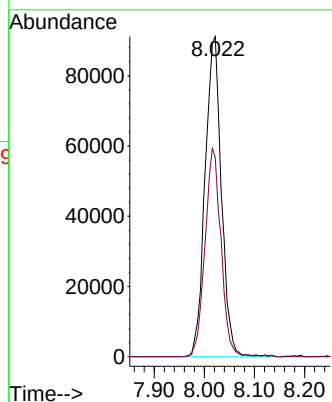
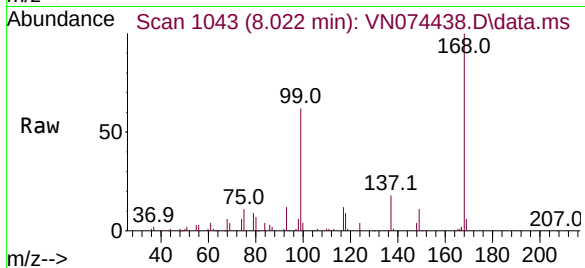




#1
Pentafluorobenzene
Concen: 50.000 ug/l
RT: 8.022 min Scan# 10
Delta R.T. 0.006 min
Lab File: VN074438.D
Acq: 13 Sep 2022 17:16

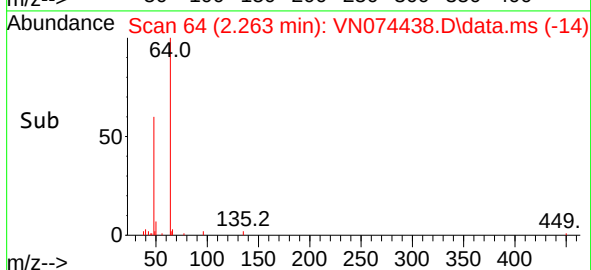
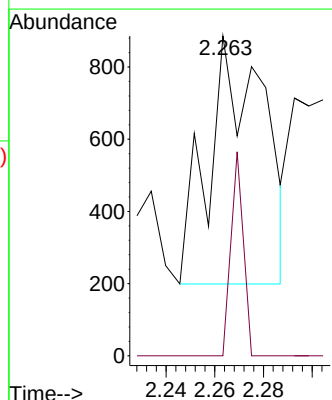
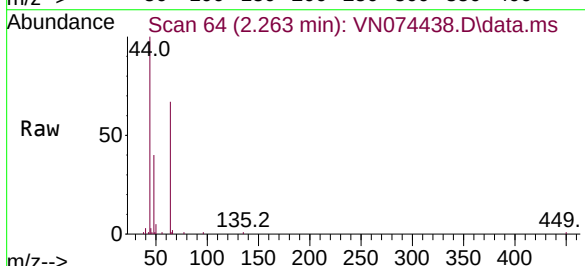
Instrument :
MSVOA_N
ClientSampleId :
MW-01-1.5-11.5-090122

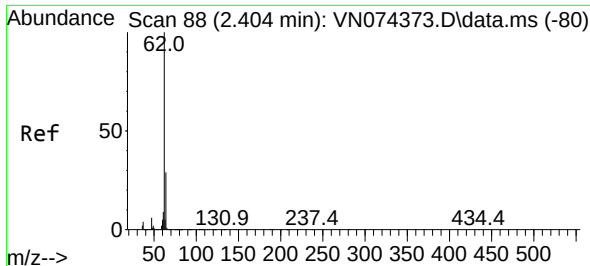
Tgt Ion:168 Resp: 205866
Ion Ratio Lower Upper
168 100
99 62.3 52.8 79.2



#3
Chloromethane
Concen: Below Cal
RT: 2.263 min Scan# 64
Delta R.T. -0.006 min
Lab File: VN074438.D
Acq: 13 Sep 2022 17:16

Tgt Ion: 50 Resp: 1092
Ion Ratio Lower Upper
50 100
52 0.0 24.1 36.1#

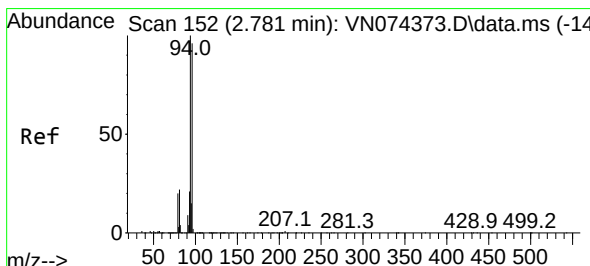
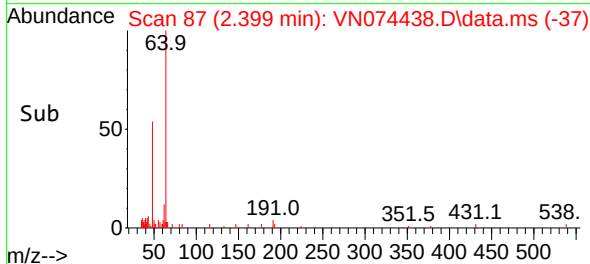
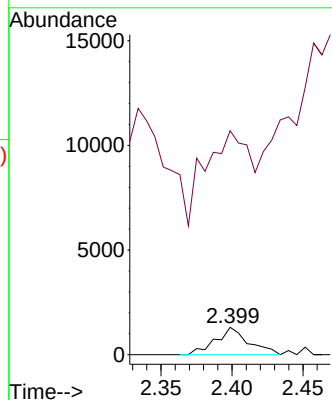
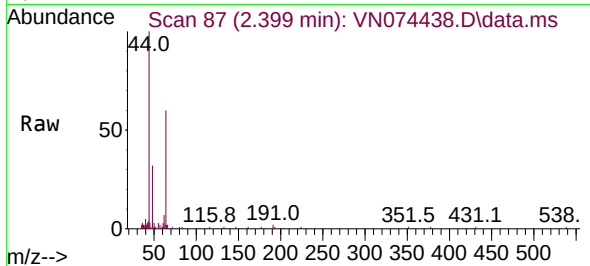




#4
 Vinyl Chloride
 Concen: 0.470 ug/l
 RT: 2.399 min Scan# 81
 Delta R.T. -0.006 min
 Lab File: VN074438.D
 Acq: 13 Sep 2022 17:16

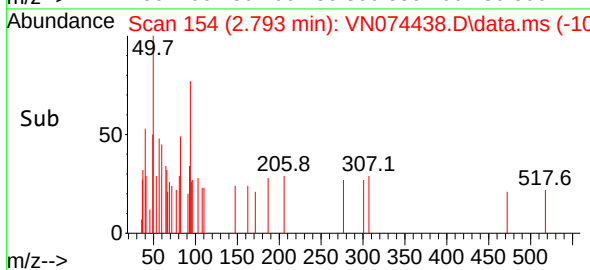
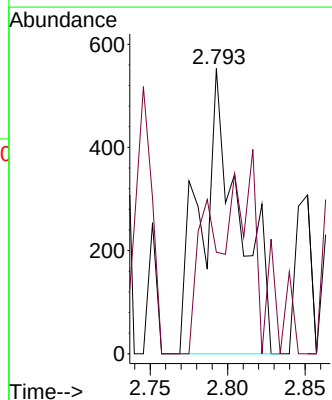
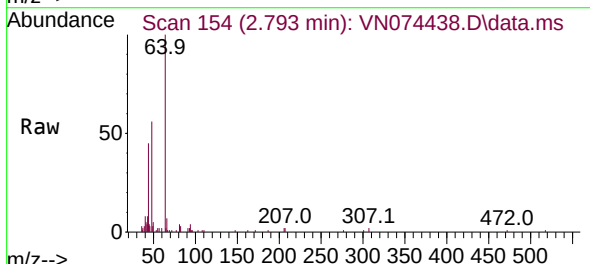
Instrument :
 MSVOA_N
 ClientSampleId :
 MW-01-1.5-11.5-090122

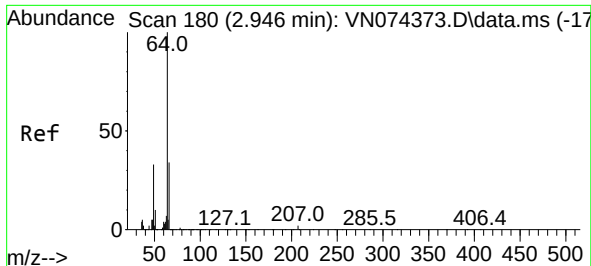
Tgt Ion: 62 Resp: 2097
 Ion Ratio Lower Upper
 62 100
 64 160.8 23.5 35.3#



#5
 Bromomethane
 Concen: 0.300 ug/l
 RT: 2.793 min Scan# 154
 Delta R.T. 0.012 min
 Lab File: VN074438.D
 Acq: 13 Sep 2022 17:16

Tgt Ion: 94 Resp: 934
 Ion Ratio Lower Upper
 94 100
 96 35.6 76.7 115.1#

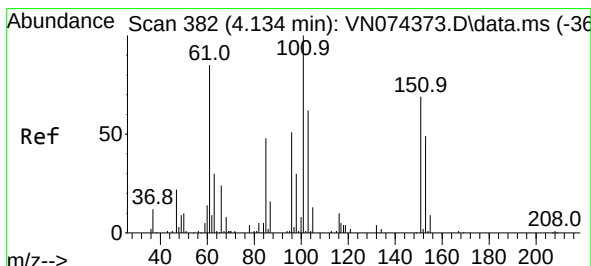
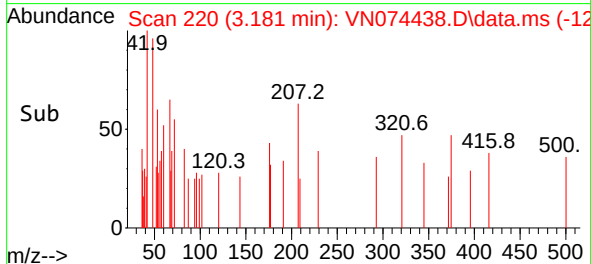
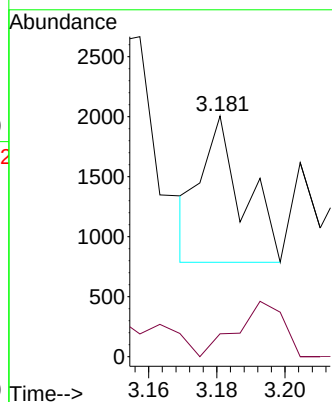
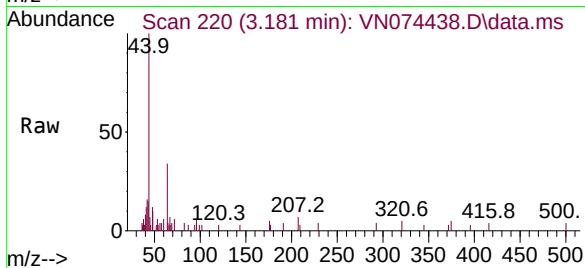




#6
Chloroethane
Concen: Below Cal
RT: 3.181 min Scan# 21
Delta R.T. 0.235 min
Lab File: VN074438.D
Acq: 13 Sep 2022 17:16

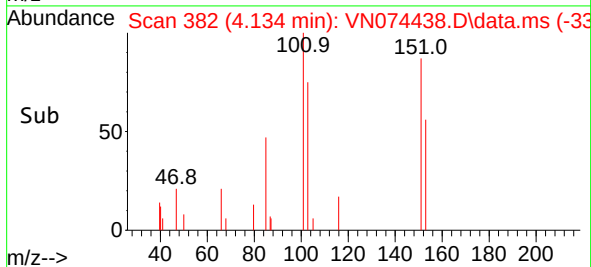
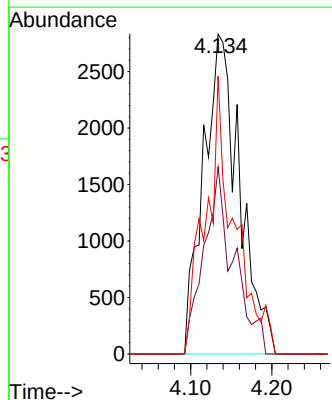
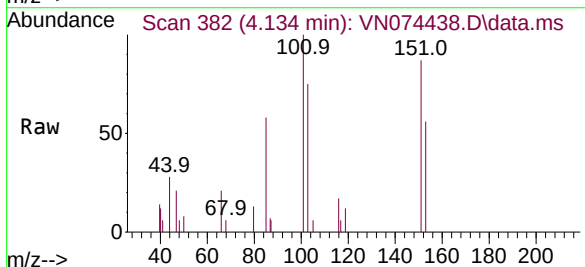
Instrument :
MSVOA_N
ClientSampleId :
MW-01-1.5-11.5-090122

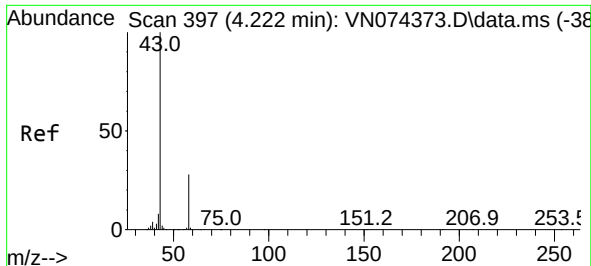
Tgt Ion: 64 Resp: 1029
Ion Ratio Lower Upper
64 100
66 0.0 26.5 39.7#



#9
1,1,2-Trichlorotrifluoroethane
Concen: 3.317 ug/l
RT: 4.134 min Scan# 382
Delta R.T. 0.000 min
Lab File: VN074438.D
Acq: 13 Sep 2022 17:16

Tgt Ion:101 Resp: 8749
Ion Ratio Lower Upper
101 100
85 48.1 39.5 59.3
151 68.4 57.8 86.6

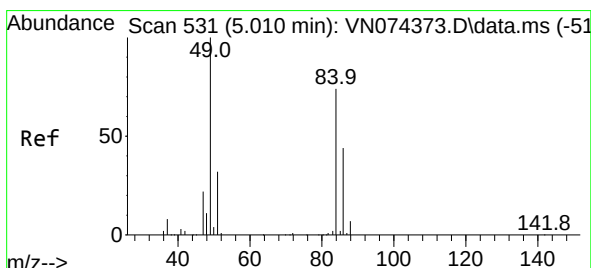
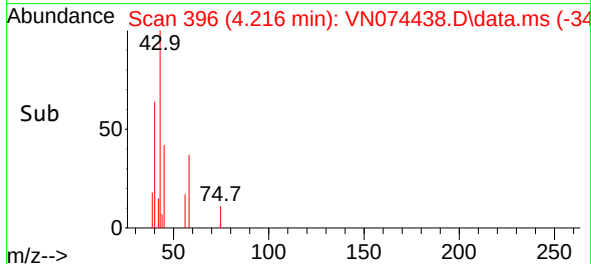
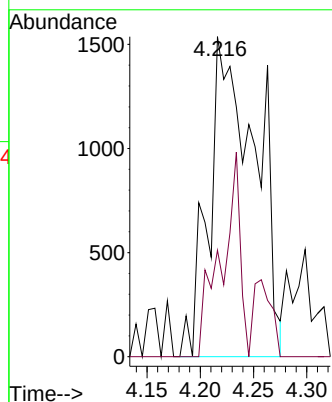
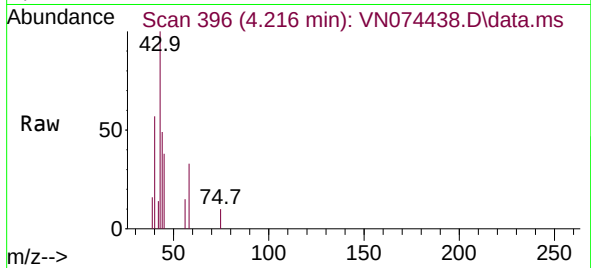




#16
Acetone
Concen: 2.419 ug/l
RT: 4.216 min Scan# 396
Delta R.T. -0.006 min
Lab File: VN074438.D
Acq: 13 Sep 2022 17:16

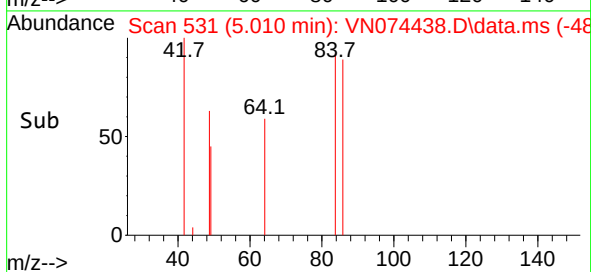
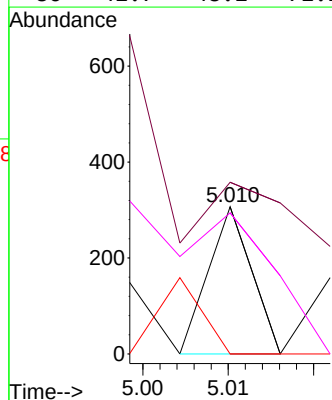
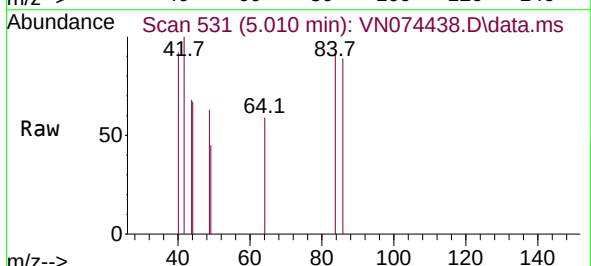
Instrument :
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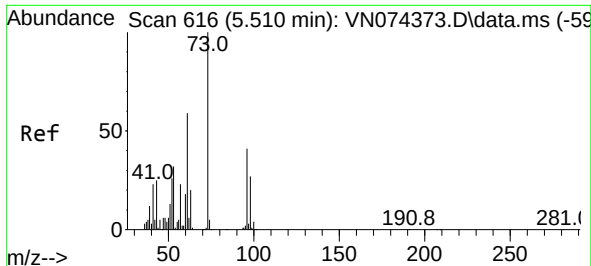
Tgt Ion: 43 Resp: 4651
Ion Ratio Lower Upper
43 100
58 33.2 22.7 34.1



#20
Methylene Chloride
Concen: Below Cal
RT: 5.010 min Scan# 531
Delta R.T. 0.000 min
Lab File: VN074438.D
Acq: 13 Sep 2022 17:16

Tgt Ion: 84 Resp: 108
Ion Ratio Lower Upper
84 100
49 41.4 108.2 162.4#
51 0.0 34.3 51.5#
86 42.7 48.2 72.2#

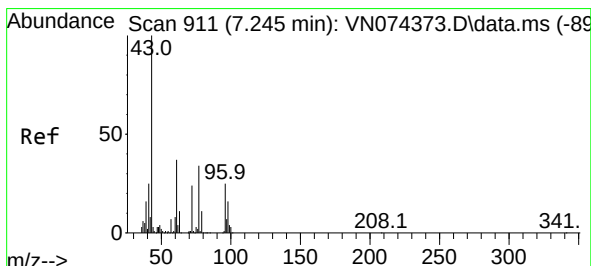
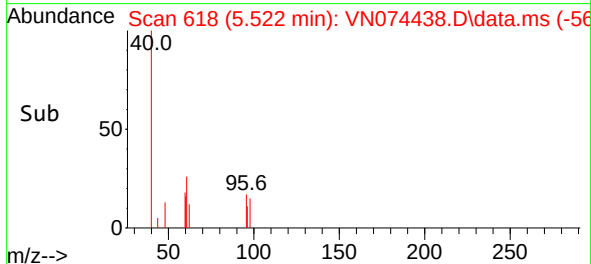
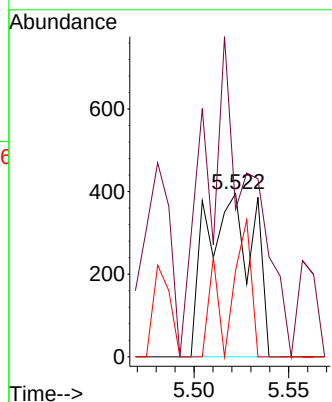
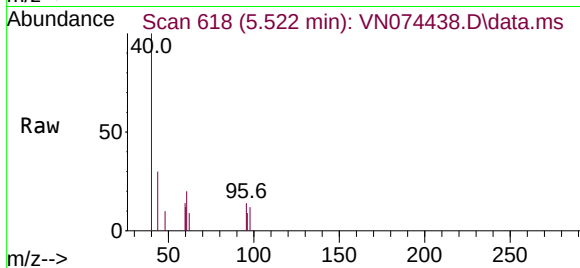




#21
trans-1,2-Dichloroethene
Concen: 0.236 ug/l
RT: 5.522 min Scan# 616
Delta R.T. 0.012 min
Lab File: VN074438.D
Acq: 13 Sep 2022 17:16

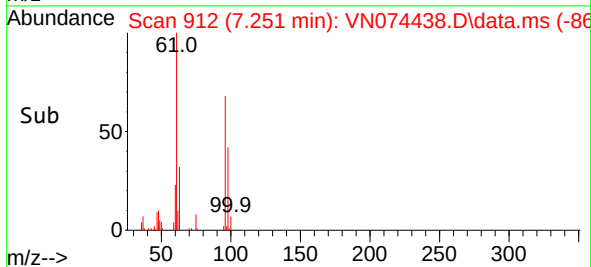
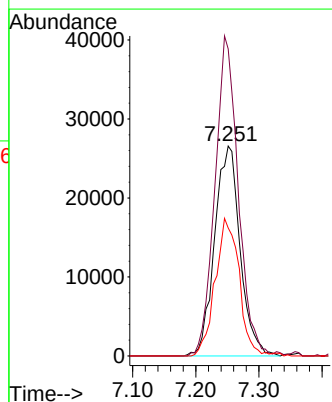
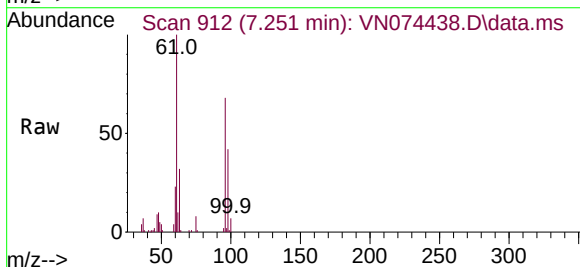
Instrument :
MSVOA_N
ClientSampleId :
MW-01-1.5-11.5-090122

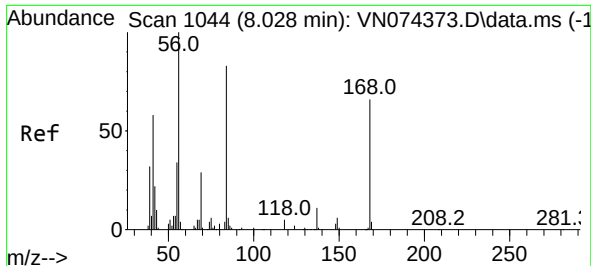
Tgt Ion: 96 Resp: 679
Ion Ratio Lower Upper
96 100
61 90.4 115.3 172.9#
98 52.9 53.4 80.0#



#27
cis-1,2-Dichloroethene
Concen: 21.027 ug/l
RT: 7.251 min Scan# 912
Delta R.T. 0.006 min
Lab File: VN074438.D
Acq: 13 Sep 2022 17:16

Tgt Ion: 96 Resp: 74495
Ion Ratio Lower Upper
96 100
61 139.2 0.0 306.2
98 61.4 0.0 129.8





#31

Cyclohexane

Concen: 1.377 ug/l

RT: 8.016 min Scan# 1

Delta R.T. -0.012 min

Lab File: VN074438.D

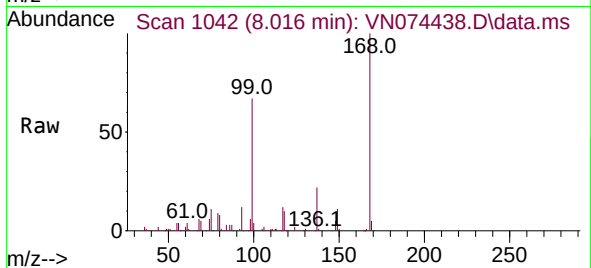
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Instrument :

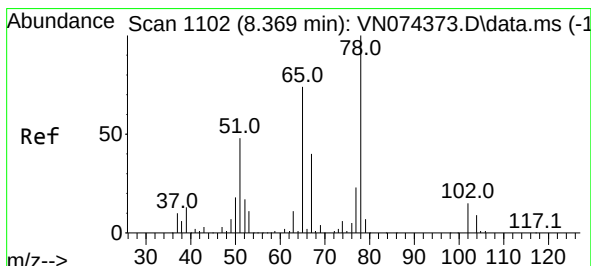
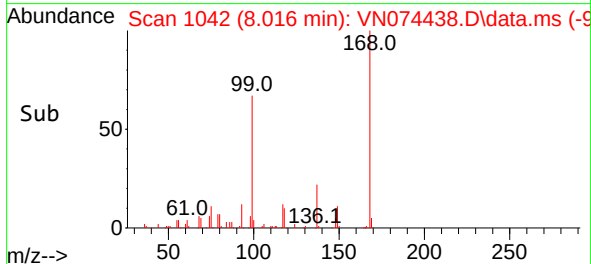
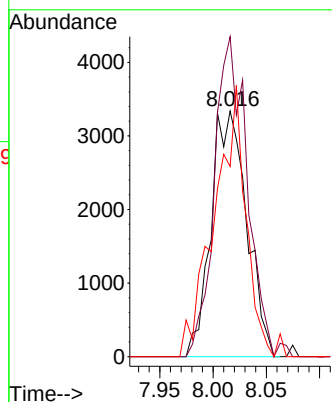
MSVOA_N

ClientSampleId :

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Tgt Ion:	56	Resp:	7800
Ion Ratio	Lower	Upper	
56	100		
69	130.2	23.0	34.4#
84	77.4	66.3	99.5



#33

1,2-Dichloroethane-d4

Concen: 50.249 ug/l

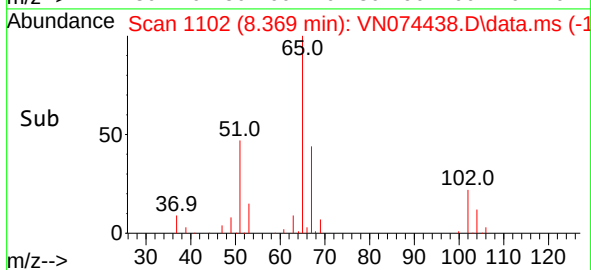
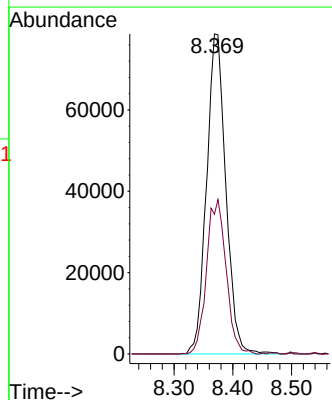
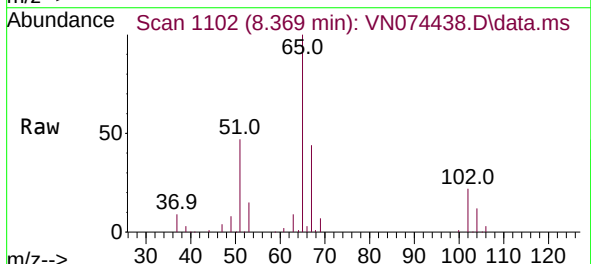
RT: 8.369 min Scan# 1102

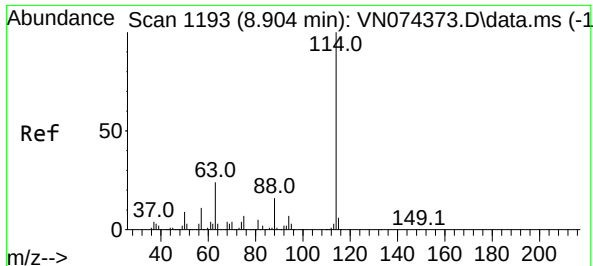
Delta R.T. 0.000 min

Lab File: VN074438.D

Acq: 13 Sep 2022 17:16

Tgt Ion:	65	Resp:	178976
Ion Ratio	Lower	Upper	
65	100		
67	48.9	0.0	102.4





#34

1,4-Difluorobenzene

Concen: 50.000 ug/l

RT: 8.910 min Scan# 1193

Delta R.T. 0.006 min

Lab File: VN074438.D

Acq: 13 Sep 2022 17:16

Instrument :

MSVOA_N

ClientSampleId :

MW-01-1.5-11.5-090122

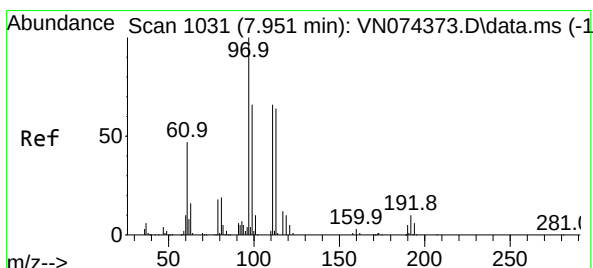
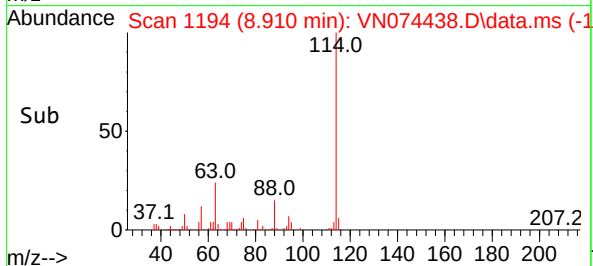
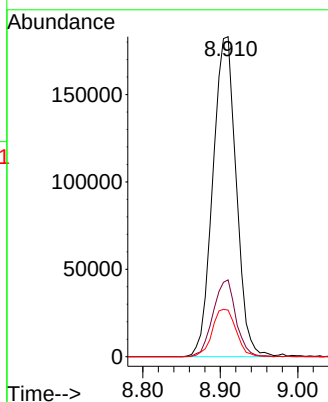
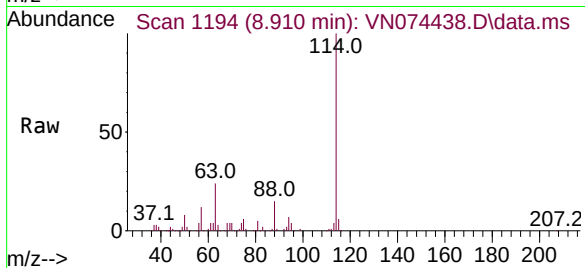
Tgt Ion:114 Resp: 384339

Ion Ratio Lower Upper

114 100

63 24.0 0.0 47.6

88 14.6 0.0 31.4



#35

Dibromofluoromethane

Concen: 54.205 ug/l

RT: 7.951 min Scan# 1031

Delta R.T. 0.000 min

Lab File: VN074438.D

Acq: 13 Sep 2022 17:16

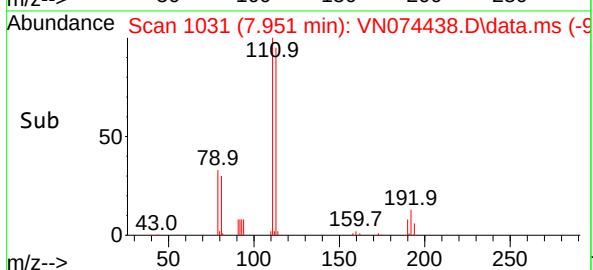
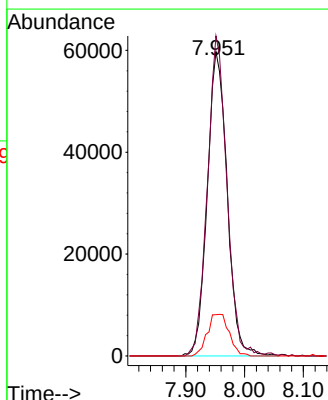
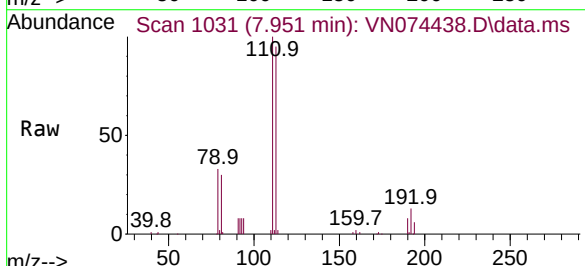
Tgt Ion:113 Resp: 140644

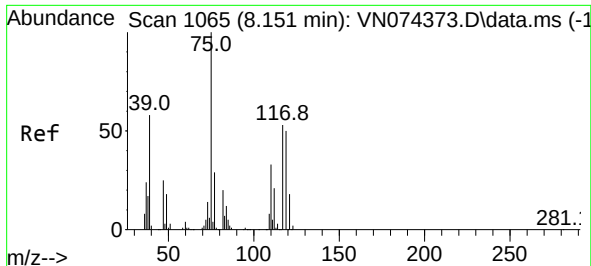
Ion Ratio Lower Upper

113 100

111 102.5 83.0 124.4

192 14.9 13.7 20.5

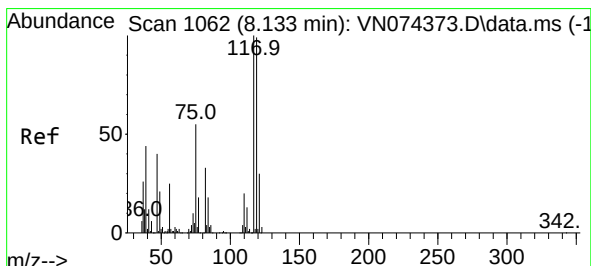
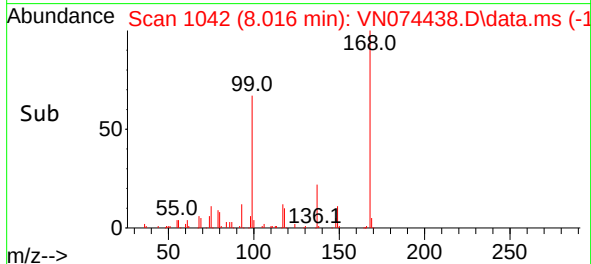
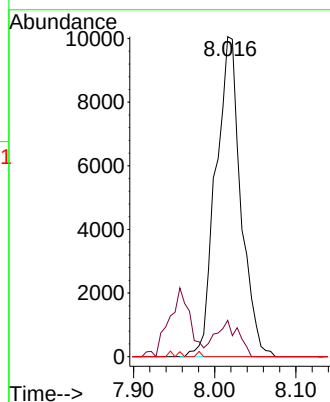
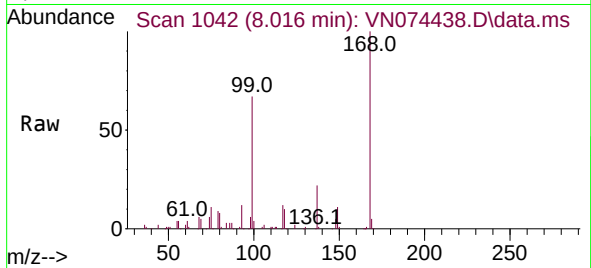




#36
1,1-Dichloropropene
Concen: 5.053 ug/l
RT: 8.016 min Scan# 1042
Delta R.T. -0.135 min
Lab File: VN074438.D
Acq: 13 Sep 2022 17:16

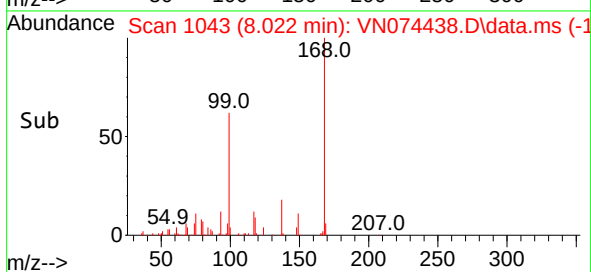
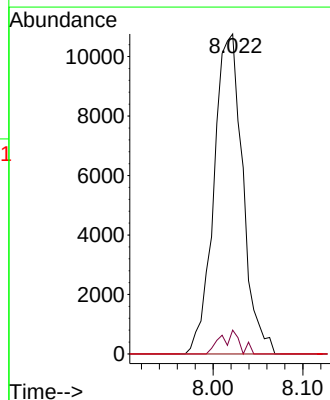
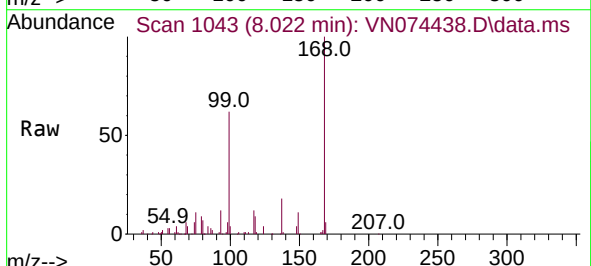
Instrument :
MSVOA_N
ClientSampleId :
MW-01-1.5-11.5-090122

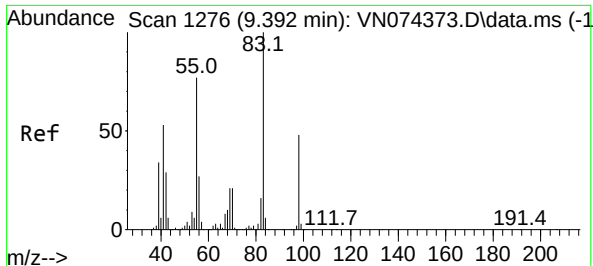
Tgt Ion: 75 Resp: 21600
Ion Ratio Lower Upper
75 100
110 10.3 16.4 49.1#
77 0.0 25.4 38.2#



#38
Carbon Tetrachloride
Concen: 5.437 ug/l
RT: 8.022 min Scan# 1043
Delta R.T. -0.112 min
Lab File: VN074438.D
Acq: 13 Sep 2022 17:16

Tgt Ion: 117 Resp: 23992
Ion Ratio Lower Upper
117 100
119 7.4 78.8 118.2#
121 0.0 24.1 36.1#





#39

Methylcyclohexane

Concen: 0.204 ug/l

RT: 9.157 min Scan# 1236

Delta R.T. -0.235 min

Lab File: VN074438.D

Acq: 13 Sep 2022 17:16

Instrument :

MSVOA_N

ClientSampleId :

MW-01-1.5-11.5-090122

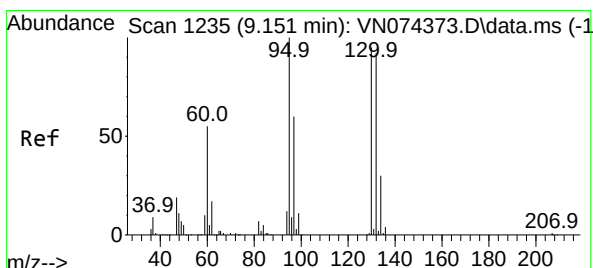
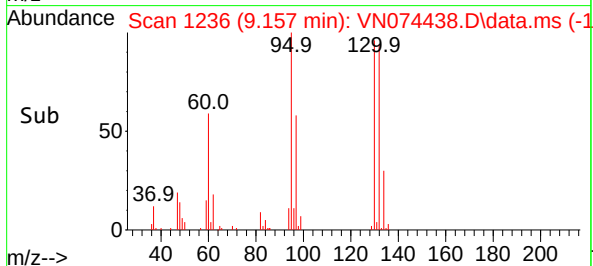
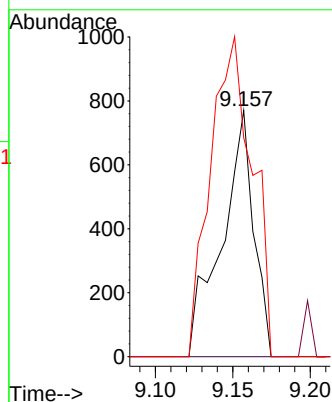
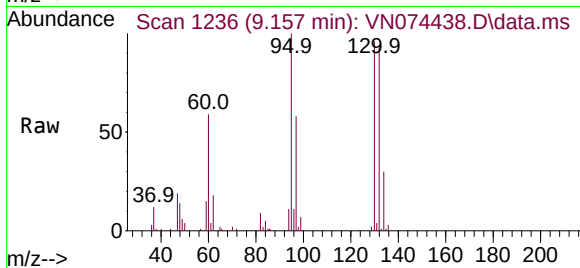
Tgt Ion: 83 Resp: 1107

Ion Ratio Lower Upper

83 100

55 0.0 61.2 91.8#

98 89.0 38.5 57.7#



#44

Trichloroethene

Concen: 27.635 ug/l

RT: 9.157 min Scan# 1236

Delta R.T. 0.006 min

Lab File: VN074438.D

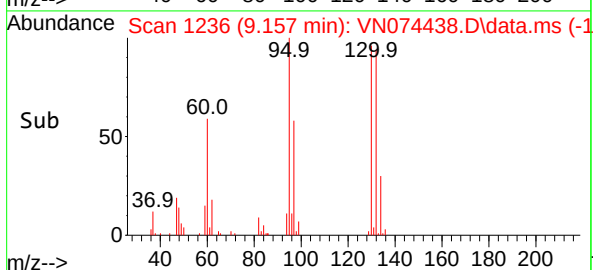
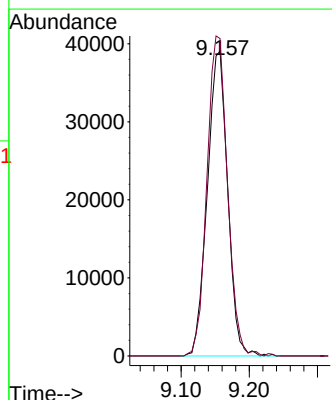
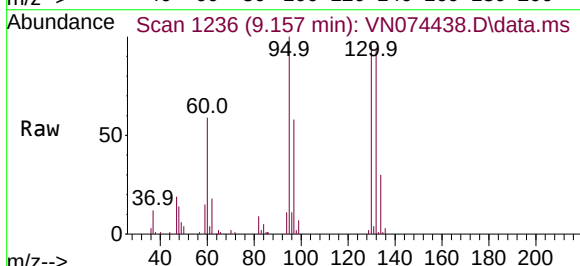
Acq: 13 Sep 2022 17:16

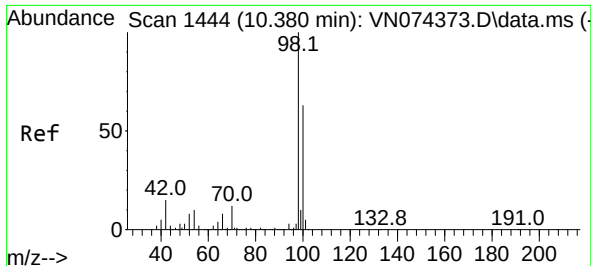
Tgt Ion:130 Resp: 81085

Ion Ratio Lower Upper

130 100

95 104.1 0.0 210.0

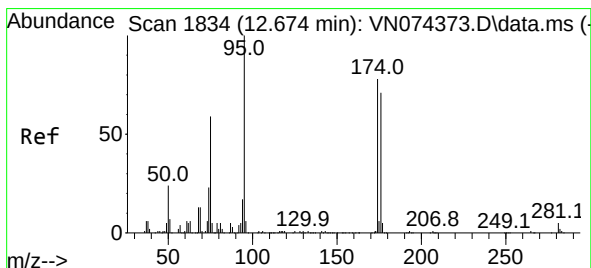
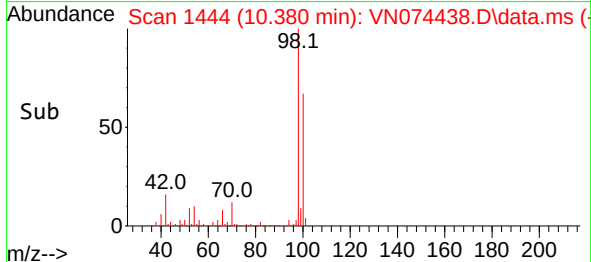
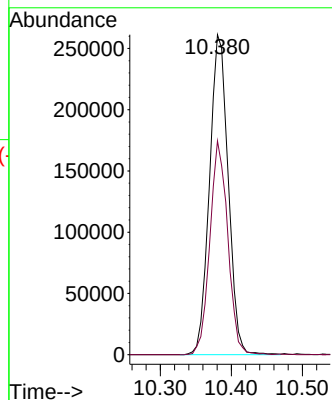
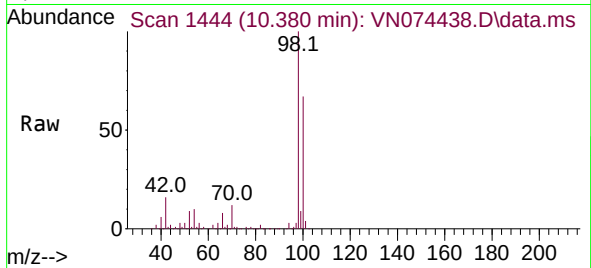




#50
Toluene-d8
Concen: 47.211 ug/l
RT: 10.380 min Scan# 1444
Delta R.T. 0.000 min
Lab File: VN074438.D
Acq: 13 Sep 2022 17:16

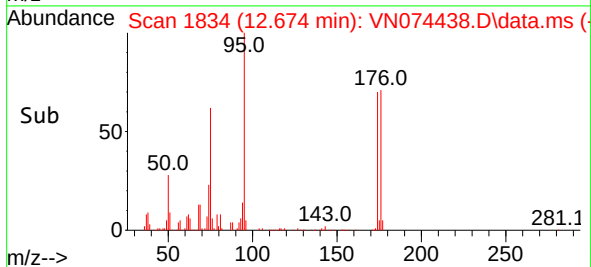
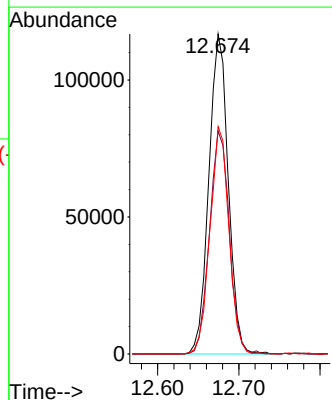
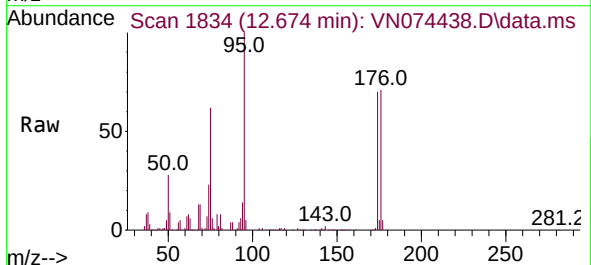
Instrument :
MSVOA_N
ClientSampleId :
MW-01-1.5-11.5-090122

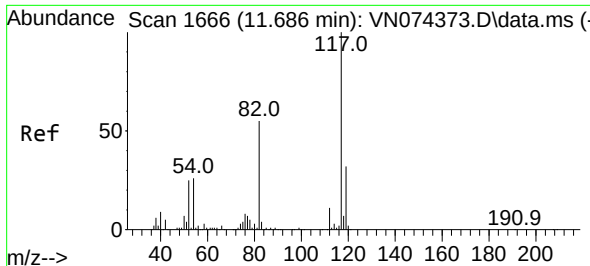
Tgt Ion: 98 Resp: 477306
Ion Ratio Lower Upper
98 100
100 64.0 50.6 76.0



#62
4-Bromofluorobenzene
Concen: 52.783 ug/l
RT: 12.674 min Scan# 1834
Delta R.T. 0.000 min
Lab File: VN074438.D
Acq: 13 Sep 2022 17:16

Tgt Ion: 95 Resp: 193745
Ion Ratio Lower Upper
95 100
174 71.0 0.0 150.6
176 69.4 0.0 143.4

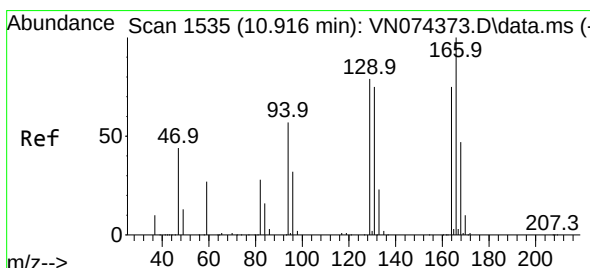
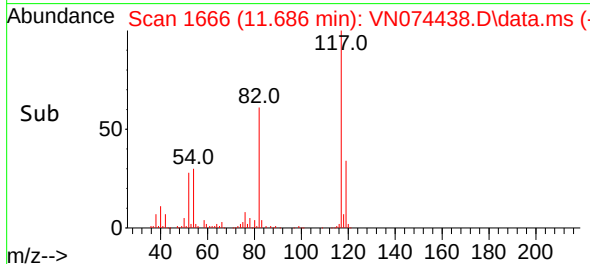
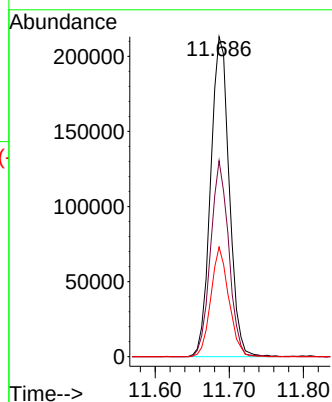
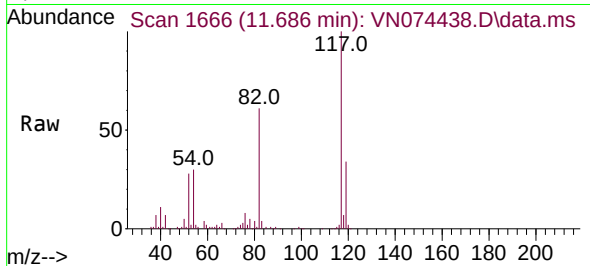




#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 11.686 min Scan# 1170
Delta R.T. 0.000 min
Lab File: VN074438.D
Acq: 13 Sep 2022 17:16

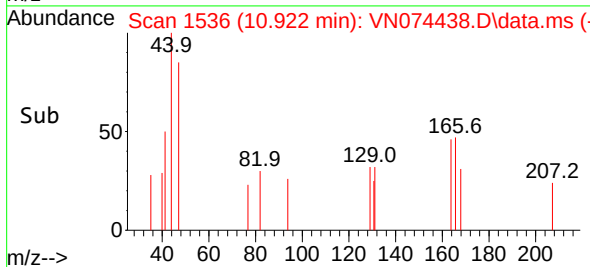
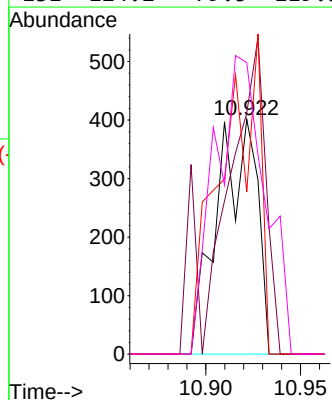
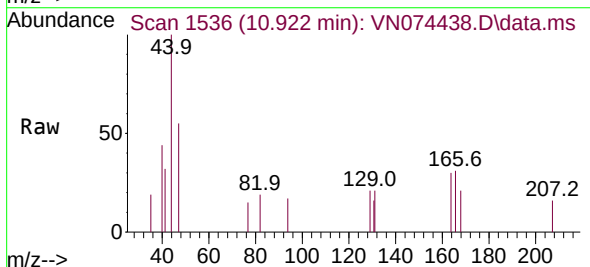
Instrument :
MSVOA_N
ClientSampleId :
MW-01-1.5-11.5-090122

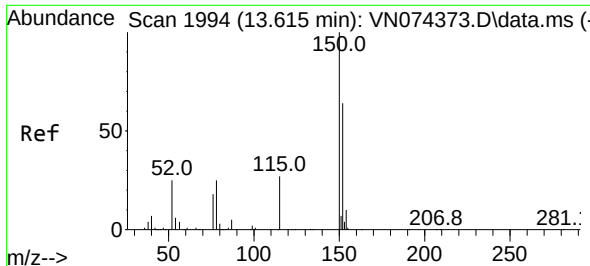
Tgt Ion:	117	Resp:	371008
Ion	Ratio	Lower	Upper
117	100		
82	61.2	44.3	66.5
119	34.2	25.5	38.3



#64
Tetrachloroethene
Concen: 0.232 ug/l
RT: 10.922 min Scan# 1536
Delta R.T. 0.006 min
Lab File: VN074438.D
Acq: 13 Sep 2022 17:16

Tgt Ion:	164	Resp:	584
Ion	Ratio	Lower	Upper
164	100		
166	102.7	106.6	160.0#
129	69.1	84.0	126.0#
131	124.2	79.5	119.3#

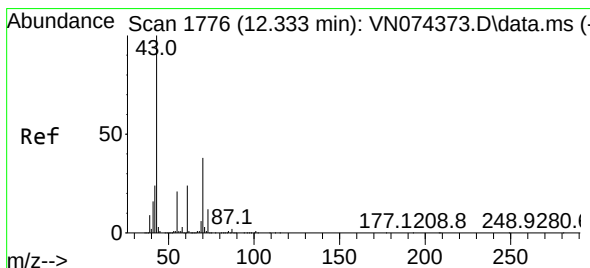
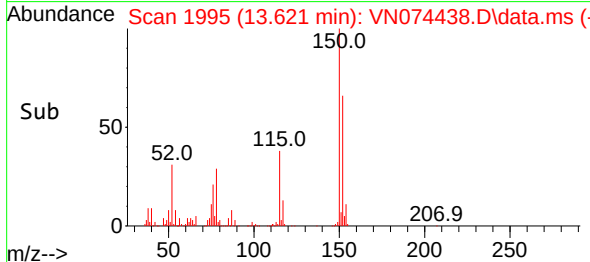
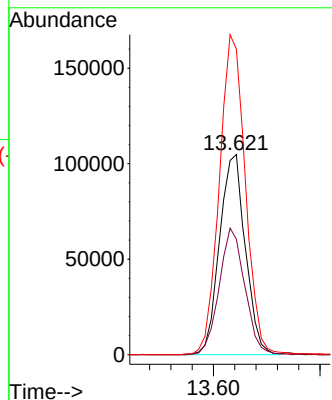
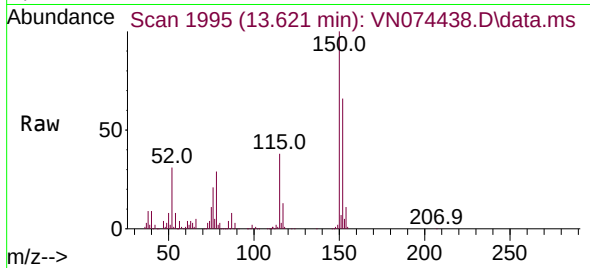




#72
1,4-Dichlorobenzene-d4
Concen: 50.000 ug/l
RT: 13.621 min Scan# 1994
Delta R.T. 0.006 min
Lab File: VN074438.D
Acq: 13 Sep 2022 17:16

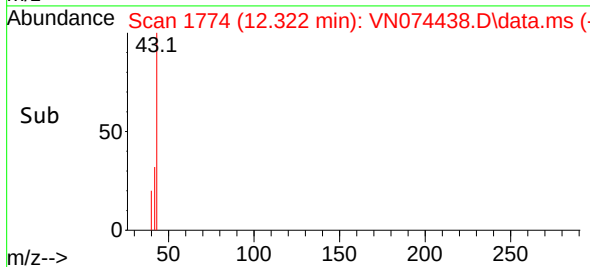
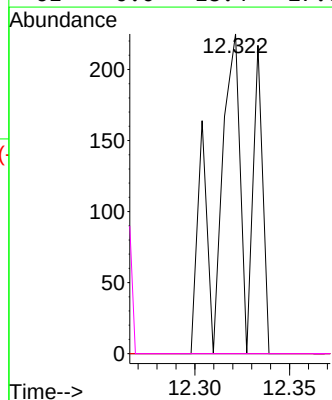
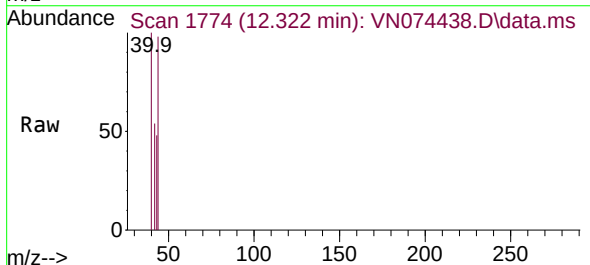
Instrument :
MSVOA_N
ClientSampleId :
MW-01-1.5-11.5-090122

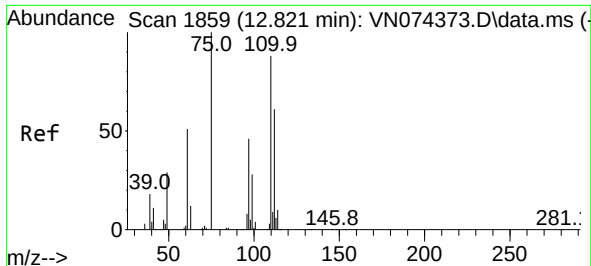
Tgt Ion:152 Resp: 175965
Ion Ratio Lower Upper
152 100
115 62.6 32.0 96.0
150 161.3 0.0 359.6



#74
N-ethyl acetate
Concen: Below Cal
RT: 12.322 min Scan# 1774
Delta R.T. -0.011 min
Lab File: VN074438.D
Acq: 13 Sep 2022 17:16

Tgt Ion: 43 Resp: 273
Ion Ratio Lower Upper
43 100
70 0.0 31.4 47.0#
55 0.0 17.0 25.6#
61 0.0 18.4 27.6#

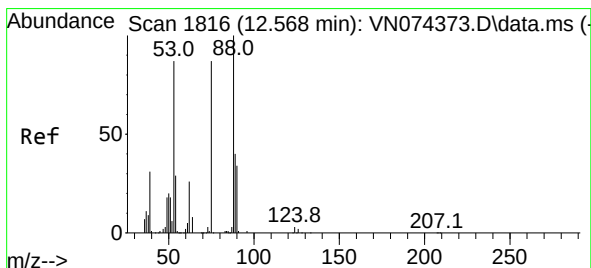
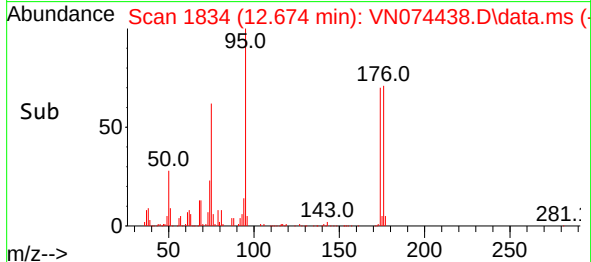
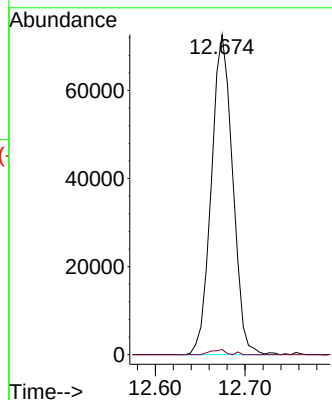
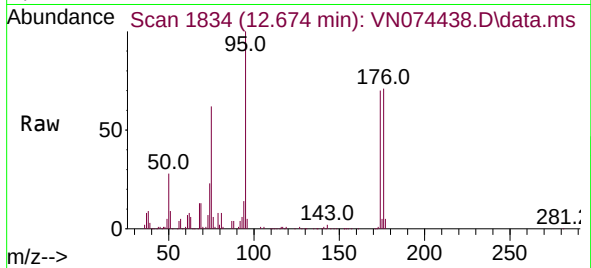




#76
1,2,3-Trichloropropane
Concen: 26.094 ug/l
RT: 12.674 min Scan# 1834
Delta R.T. -0.147 min
Lab File: VN074438.D
Acq: 13 Sep 2022 17:16

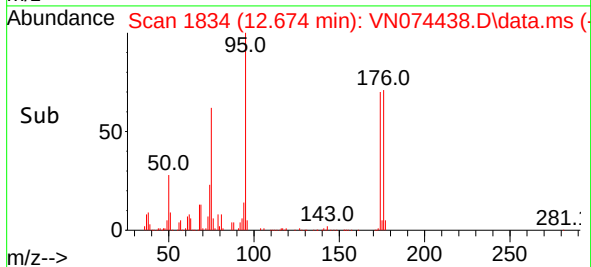
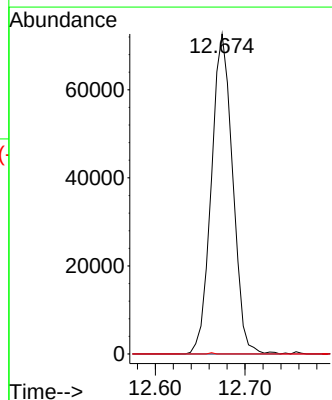
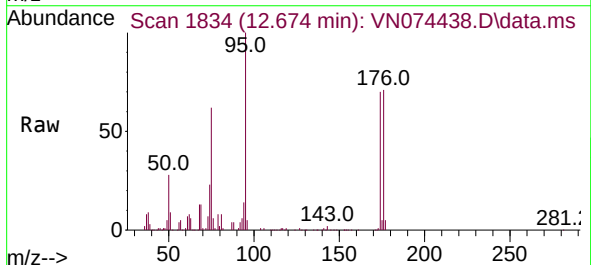
Instrument : MSVOA_N
ClientSampleId : MW-01-1.5-11.5-090122

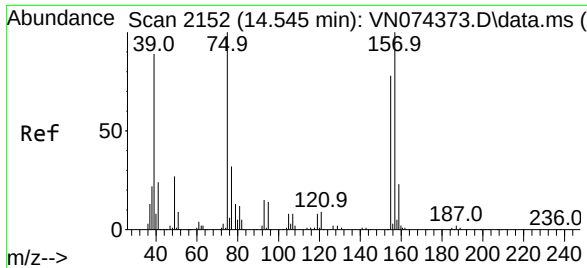
Tgt Ion: 75 Resp: 120032
Ion Ratio Lower Upper
75 100
77 1.1 78.9 236.7#



#81
trans-1,4-Dichloro-2-butene
Concen: 58.162 ug/l
RT: 12.674 min Scan# 1834
Delta R.T. 0.106 min
Lab File: VN074438.D
Acq: 13 Sep 2022 17:16

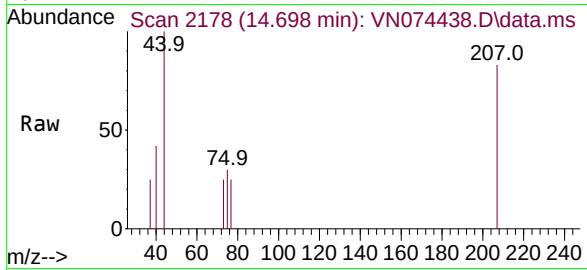
Tgt Ion: 75 Resp: 120032
Ion Ratio Lower Upper
75 100
53 0.0 82.2 123.2#
89 0.1 37.7 56.5#





#92
 1,2-Dibromo-3-Chloropropane
 Concen: Below Cal
 RT: 14.698 min Scan# 21
 Delta R.T. 0.153 min
 Lab File: VN074438.D
 Acq: 13 Sep 2022 17:16

Instrument :
 MSVOA_N
 ClientSampleId :
 MW-01-1.5-11.5-090122



Tgt Ion: 75 Resp: 69
 Ion Ratio Lower Upper
 75 100
 155 0.0 36.6 109.9#
 157 0.0 46.2 138.5#

