

Data Path : Z:\voasrv\HPCHEM1\MSVOA_N\Data\VN091522\
 Data File : VN074466.D
 Acq On : 15 Sep 2022 17:09
 Operator : JC\MD
 Sample : N4471-10
 Misc : 5.0mL/MSVOA_N/WATER
 ALS Vial : 16 Sample Multiplier: 1

Instrument :
 MSVOA_N
 ClientSampleId :
 MW-14A-15-20-083122RE

Quant Time: Sep 16 01:46:09 2022
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA_N\methods\82N091522W.M
 Quant Title : SW846 8260
 QLast Update : Thu Sep 15 19:20:33 2022
 Response via : Initial Calibration

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

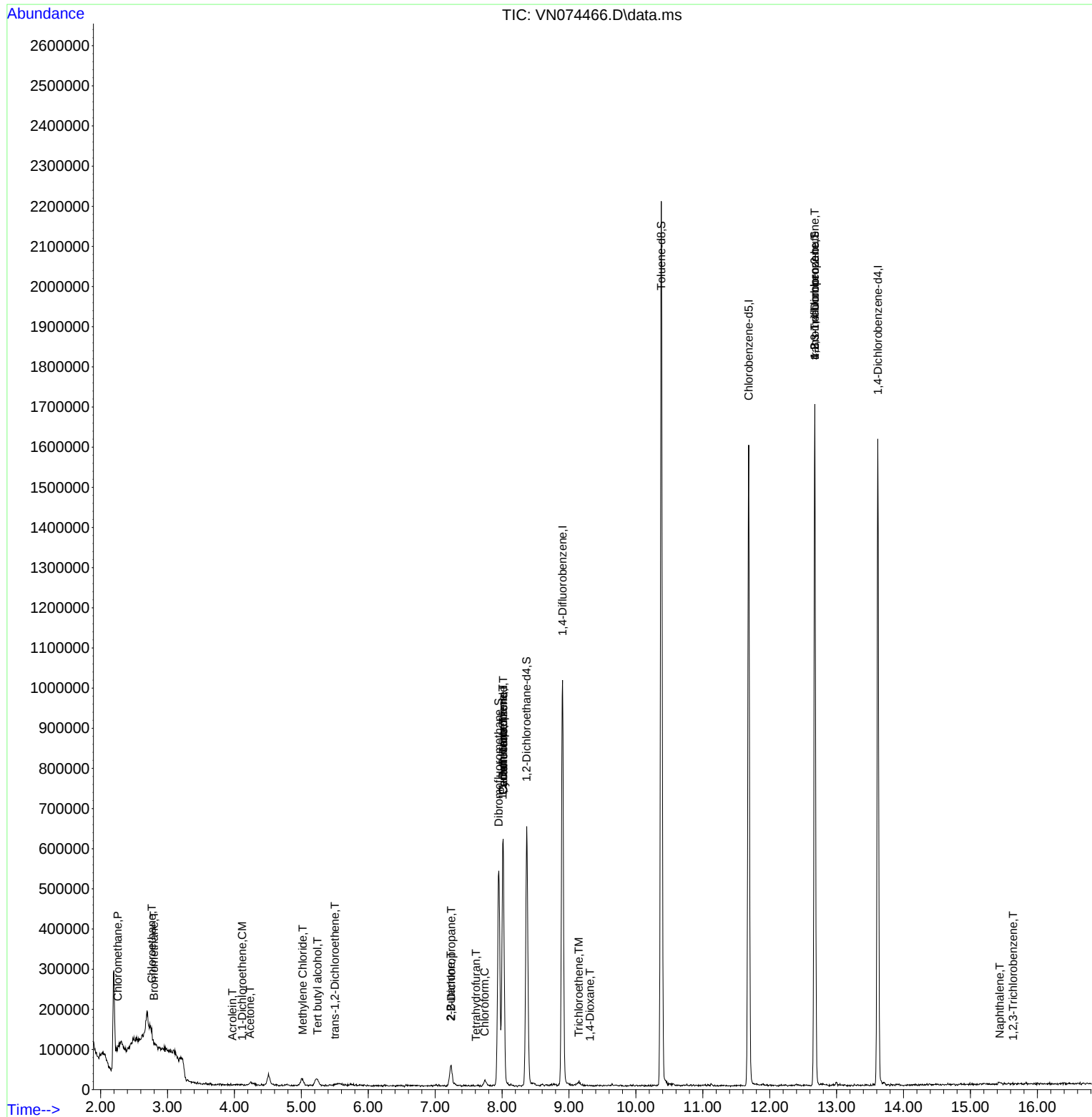
Internal Standards						
1) Pentafluorobenzene	8.016	168	444747	50.000	ug/l	0.00
34) 1,4-Difluorobenzene	8.904	114	846260	50.000	ug/l	0.00
63) Chlorobenzene-d5	11.686	117	842210	50.000	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.616	152	374175	50.000	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	8.369	65	494306	65.504	ug/l	0.00
Spiked Amount	50.000	Range	74 - 125	Recovery	=	131.000%#
35) Dibromofluoromethane	7.951	113	386953	68.834	ug/l	0.00
Spiked Amount	50.000	Range	75 - 124	Recovery	=	137.660%#
50) Toluene-d8	10.380	98	1435889	66.046	ug/l	0.00
Spiked Amount	50.000	Range	86 - 113	Recovery	=	132.100%#
62) 4-Bromofluorobenzene	12.674	95	521703	70.064	ug/l	0.00
Spiked Amount	50.000	Range	83 - 123	Recovery	=	140.120%#
Target Compounds						
					Qvalue	
3) Chloromethane	2.257	50	2783	0.598	ug/l #	66
5) Bromomethane	2.799	94	1723	0.375	ug/l #	11
6) Chloroethane	2.763	64	6614	1.111	ug/l #	42
11) Tert butyl alcohol	5.240	59	17583	7.153	ug/l #	77
12) 1,1-Dichloroethene	4.116	96	384	0.749	ug/l #	18
13) Acrolein	3.969	56	356	0.397	ug/l #	16
16) Acetone	4.234	43	7463	1.546	ug/l	96
20) Methylene Chloride	5.022	84	12624	1.742	ug/l #	91
21) trans-1,2-Dichloroethene	5.504	96	1034	0.588	ug/l #	1
25) 2-Butanone	7.234	43	3552	0.443	ug/l #	80
26) 2,2-Dichloropropane	7.239	77	3221	0.266	ug/l #	61
28) Bromochloromethane	7.628	49	54	Below Cal	#	8
29) Tetrahydrofuran	7.610	42	1223	0.232	ug/l #	45
30) Chloroform	7.739	83	8817	0.680	ug/l	90
31) Cyclohexane	8.016	56	14173	1.058	ug/l #	1
36) 1,1-Dichloropropene	8.010	75	42304	4.252	ug/l #	48
38) Carbon Tetrachloride	8.016	117	47340	5.153	ug/l #	17
44) Trichloroethene	9.145	130	3641	0.547	ug/l	85
49) 1,4-Dioxane	9.316	88	55	0.268	ug/l #	1
76) 1,2,3-Trichloropropane	12.674	75	309865	26.904	ug/l #	1
81) trans-1,4-Dichloro-2-b...	12.674	75	309865	58.068	ug/l #	10
95) Naphthalene	15.439	128	4503	1.725	ug/l #	89
96) 1,2,3-Trichlorobenzene	15.639	180	898	1.450	ug/l #	52

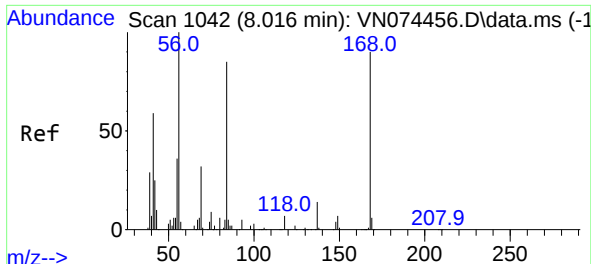
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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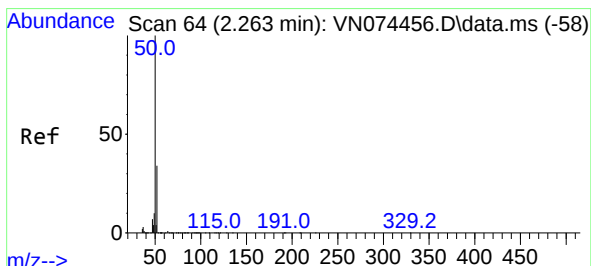
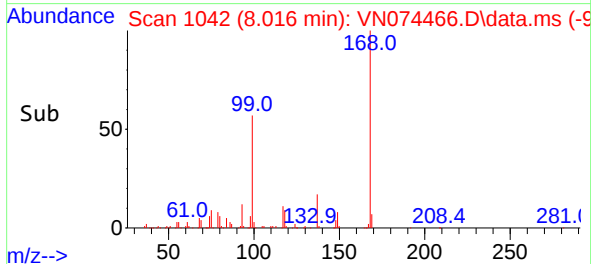
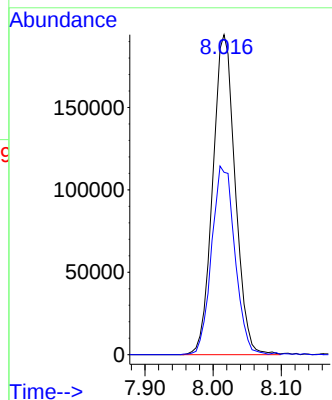
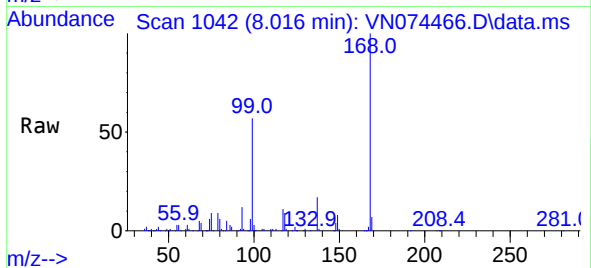




#1
Pentafluorobenzene
Concen: 50.000 ug/l
RT: 8.016 min Scan# 1042
Delta R.T. -0.000 min
Lab File: VN074466.D
Acq: 15 Sep 2022 17:09

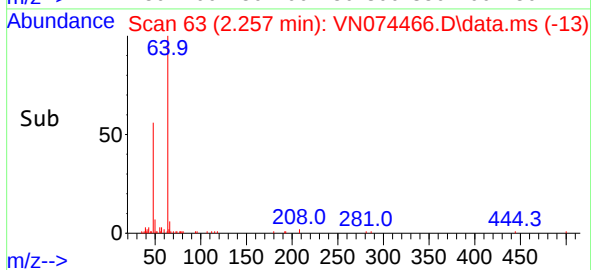
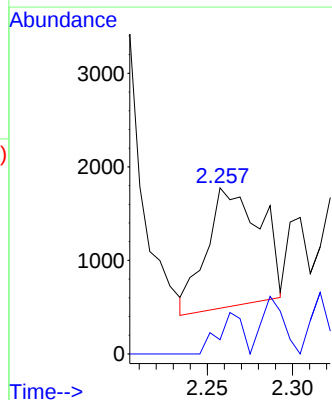
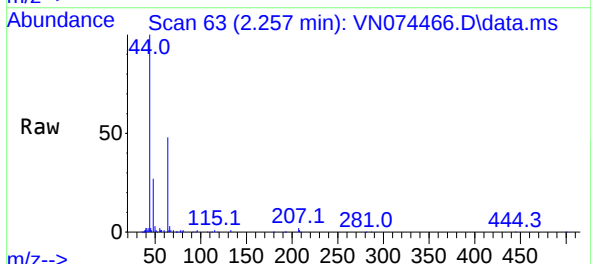
Instrument : MSVOA_N
ClientSampleId : MW-14A-15-20-083122RE

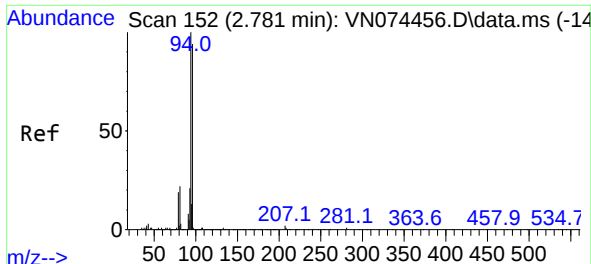
Tgt Ion:168 Resp: 444747
Ion Ratio Lower Upper
168 100
99 57.0 42.3 63.5



#3
Chloromethane
Concen: 0.598 ug/l
RT: 2.257 min Scan# 63
Delta R.T. -0.006 min
Lab File: VN074466.D
Acq: 15 Sep 2022 17:09

Tgt Ion: 50 Resp: 2783
Ion Ratio Lower Upper
50 100
52 13.0 25.7 38.5#

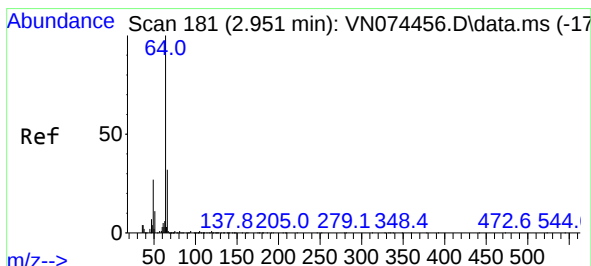
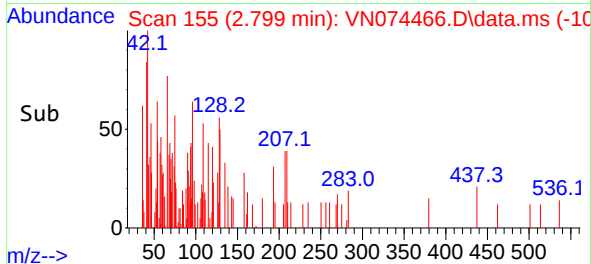
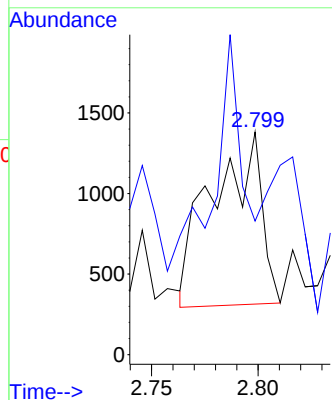
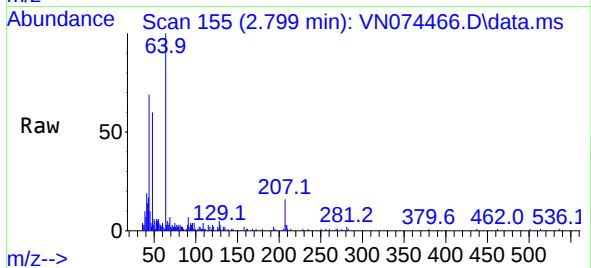




#5
Bromomethane
Concen: 0.375 ug/l
RT: 2.799 min Scan# 11
Delta R.T. 0.018 min
Lab File: VN074466.D
Acq: 15 Sep 2022 17:09

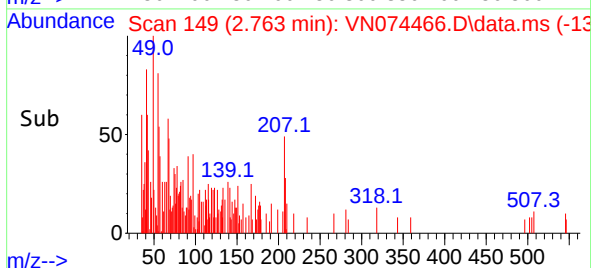
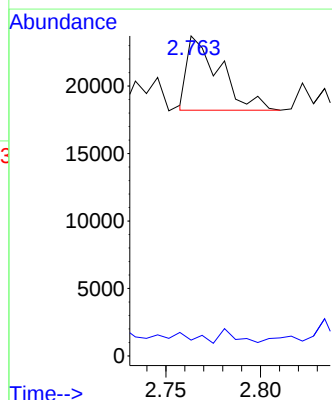
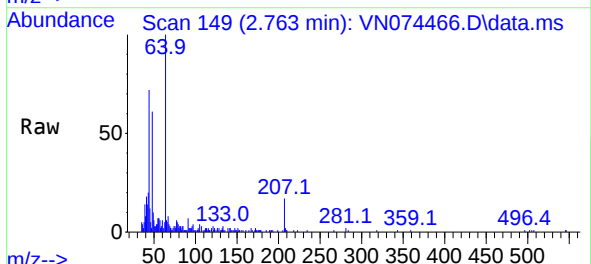
Instrument :
MSVOA_N
ClientSampleId :
MW-14A-15-20-083122RE

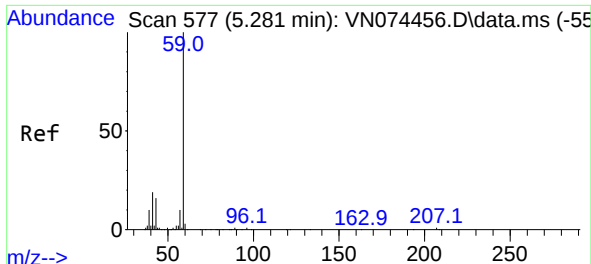
Tgt Ion: 94 Resp: 1723
Ion Ratio Lower Upper
94 100
96 8.7 76.0 114.0#



#6
Chloroethane
Concen: 1.111 ug/l
RT: 2.763 min Scan# 149
Delta R.T. -0.188 min
Lab File: VN074466.D
Acq: 15 Sep 2022 17:09

Tgt Ion: 64 Resp: 6614
Ion Ratio Lower Upper
64 100
66 0.0 26.2 39.4#

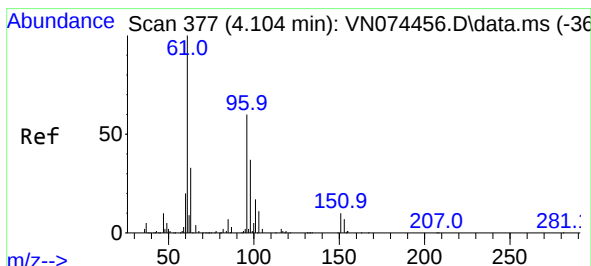
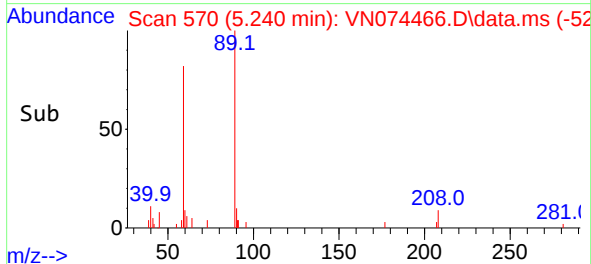
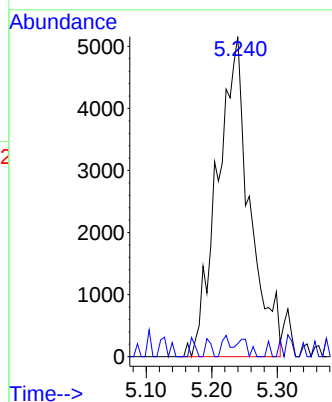
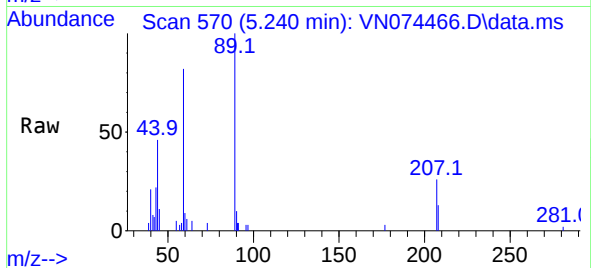




#11
Tert butyl alcohol
Concen: 7.153 ug/l
RT: 5.240 min Scan# 51
Delta R.T. -0.041 min
Lab File: VN074466.D
Acq: 15 Sep 2022 17:09

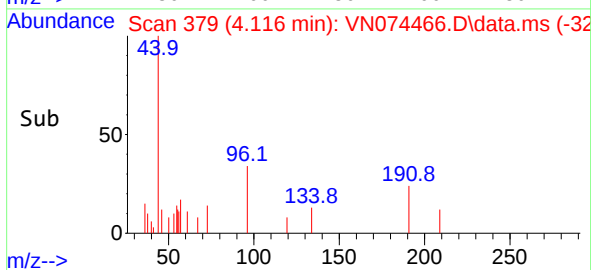
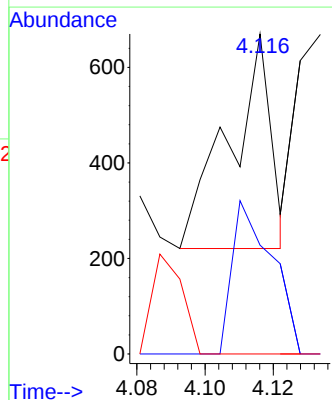
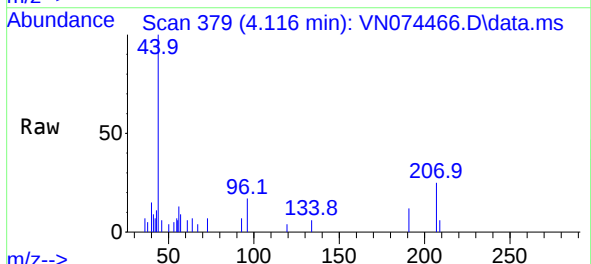
Instrument :
MSVOA_N
ClientSampleId :
MW-14A-15-20-083122RE

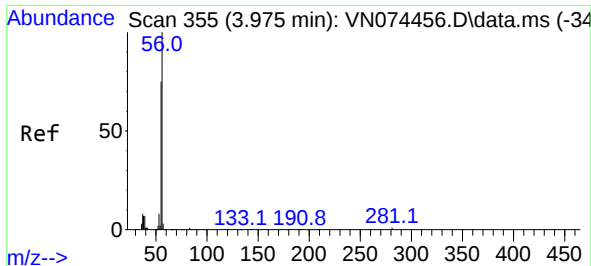
Tgt Ion: 59 Resp: 17583
Ion Ratio Lower Upper
59 100
57 1.9 8.3 12.5#



#12
1,1-Dichloroethene
Concen: 0.749 ug/l
RT: 4.116 min Scan# 379
Delta R.T. 0.012 min
Lab File: VN074466.D
Acq: 15 Sep 2022 17:09

Tgt Ion: 96 Resp: 384
Ion Ratio Lower Upper
96 100
61 50.8 127.6 191.4#
98 0.0 51.2 76.8#

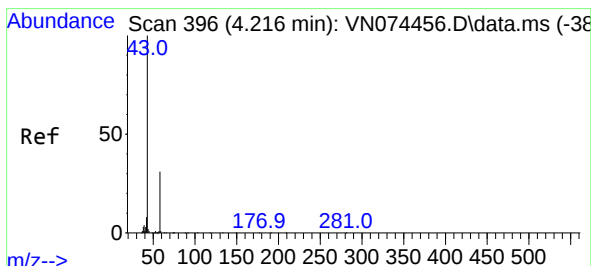
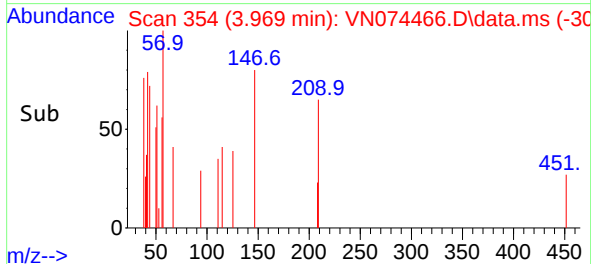
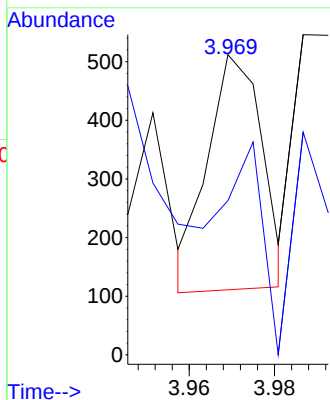
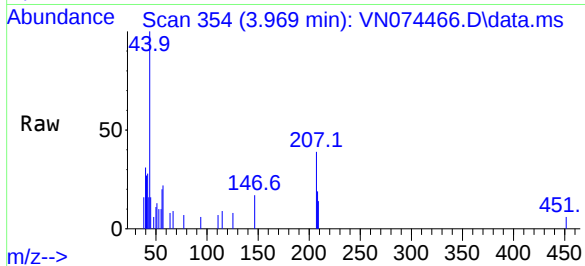




#13
Acrolein
Concen: 0.397 ug/l
RT: 3.969 min Scan# 31
Delta R.T. -0.006 min
Lab File: VN074466.D
Acq: 15 Sep 2022 17:09

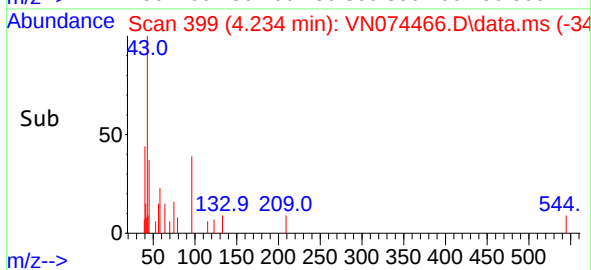
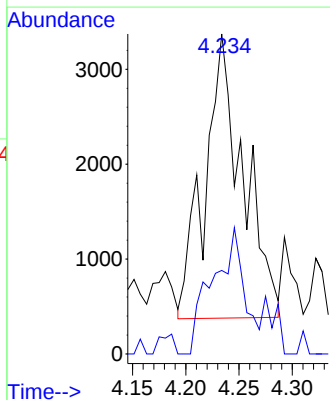
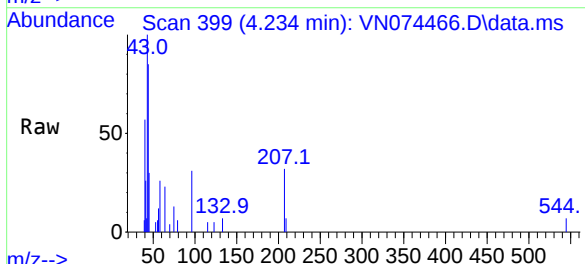
Instrument :
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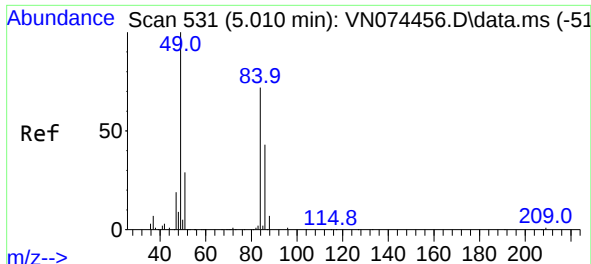
Tgt Ion: 56 Resp: 356
Ion Ratio Lower Upper
56 100
55 0.0 54.8 82.2#



#16
Acetone
Concen: 1.546 ug/l
RT: 4.234 min Scan# 399
Delta R.T. 0.018 min
Lab File: VN074466.D
Acq: 15 Sep 2022 17:09

Tgt Ion: 43 Resp: 7463
Ion Ratio Lower Upper
43 100
58 30.3 26.0 39.0



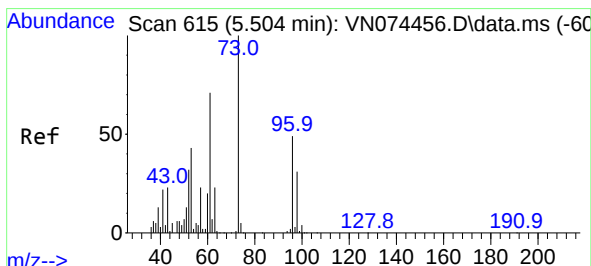
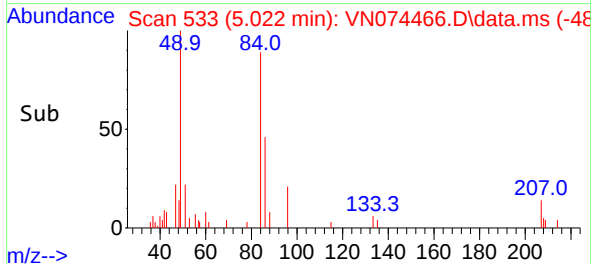
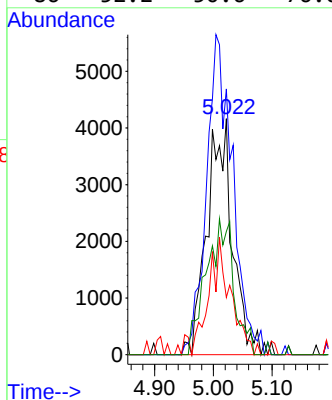
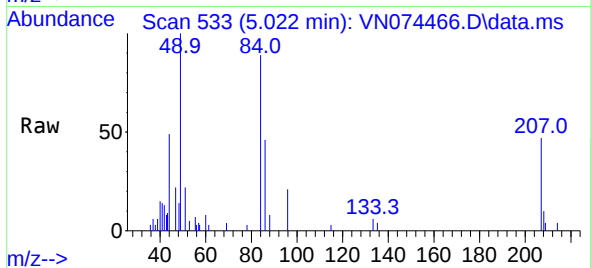


#20
Methylene Chloride
Concen: 1.742 ug/l
RT: 5.022 min Scan# 511
Delta R.T. 0.012 min
Lab File: VN074466.D
Acq: 15 Sep 2022 17:09

Instrument :
MSVOA_N
ClientSampleId :
MW-14A-15-20-083122RE

Tgt Ion: 84 Resp: 12624

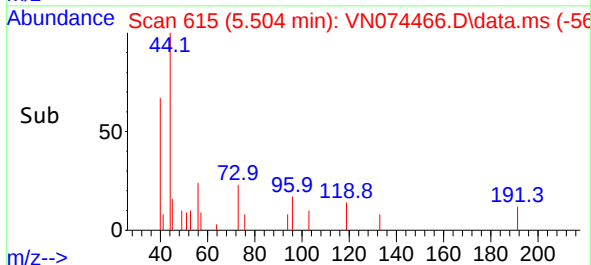
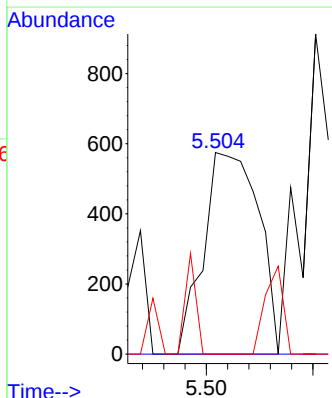
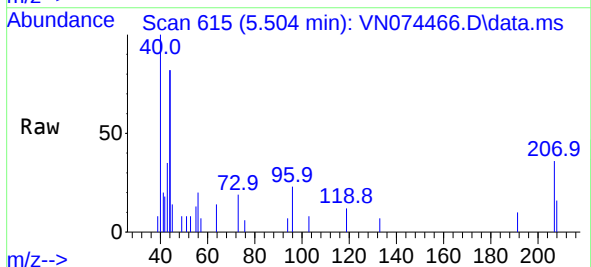
Ion	Ratio	Lower	Upper
84	100		
49	112.6	88.3	132.5
51	24.3	28.2	42.2#
86	52.2	50.6	76.0

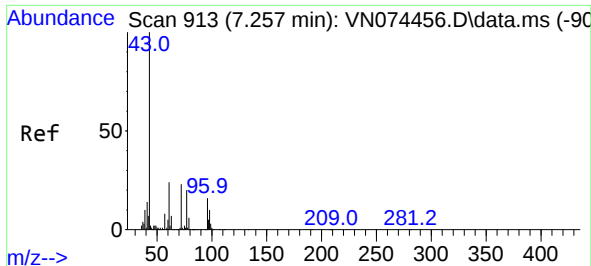


#21
trans-1,2-Dichloroethene
Concen: 0.588 ug/l
RT: 5.504 min Scan# 615
Delta R.T. 0.000 min
Lab File: VN074466.D
Acq: 15 Sep 2022 17:09

Tgt Ion: 96 Resp: 1034

Ion	Ratio	Lower	Upper
96	100		
61	0.0	105.8	158.8#
98	0.0	50.3	75.5#





#25

2-Butanone

Concen: 0.443 ug/l

RT: 7.234 min Scan# 90

Delta R.T. -0.023 min

Lab File: VN074466.D

Acq: 15 Sep 2022 17:09

Instrument :

MSVOA_N

ClientSampleId :

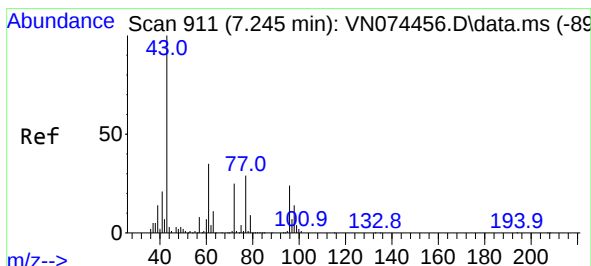
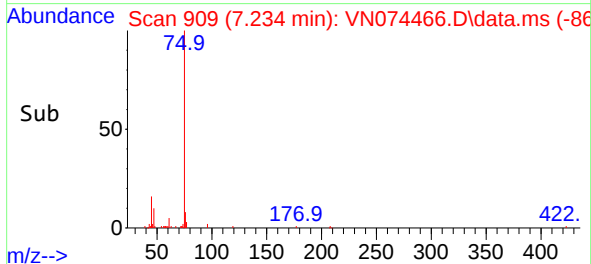
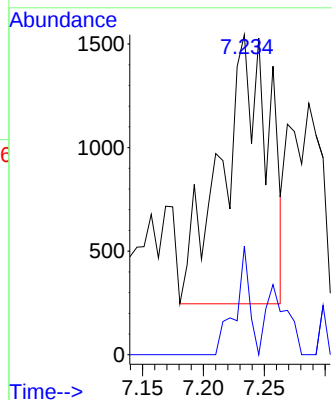
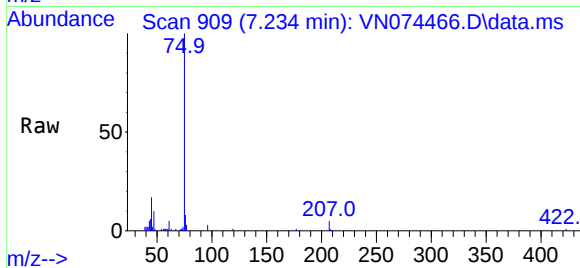
MW-14A-15-20-083122RE

Tgt Ion: 43 Resp: 3552

Ion Ratio Lower Upper

43 100

72 40.3 23.7 35.5#



#26

2,2-Dichloropropane

Concen: 0.266 ug/l

RT: 7.239 min Scan# 910

Delta R.T. -0.006 min

Lab File: VN074466.D

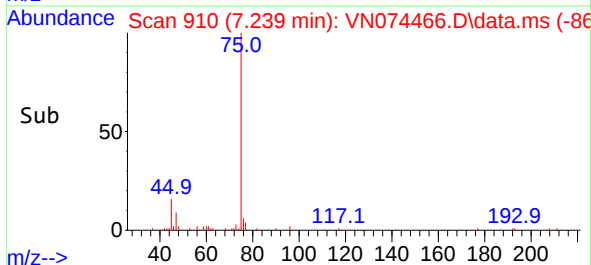
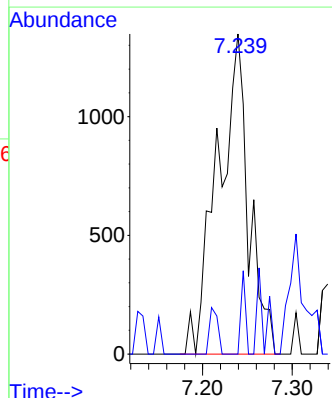
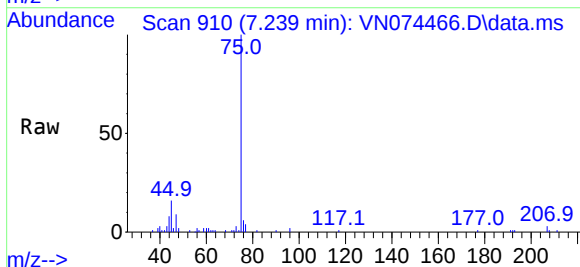
Acq: 15 Sep 2022 17:09

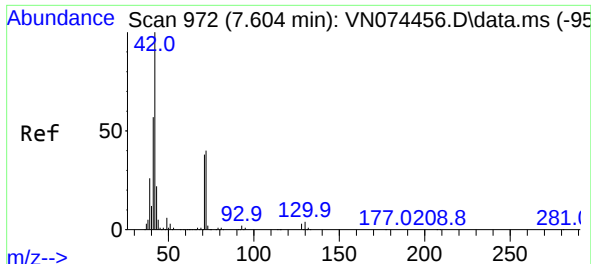
Tgt Ion: 77 Resp: 3221

Ion Ratio Lower Upper

77 100

97 3.8 11.4 34.2#





#29

Tetrahydrofuran

Concen: 0.232 ug/l

RT: 7.610 min Scan# 91

Delta R.T. 0.006 min

Lab File: VN074466.D

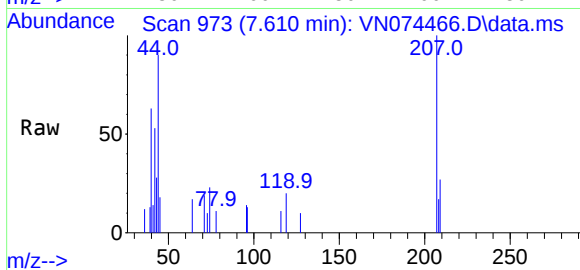
Acq: 15 Sep 2022 17:09

Instrument :

MSVOA_N

ClientSampleId :

MW-14A-15-20-083122RE



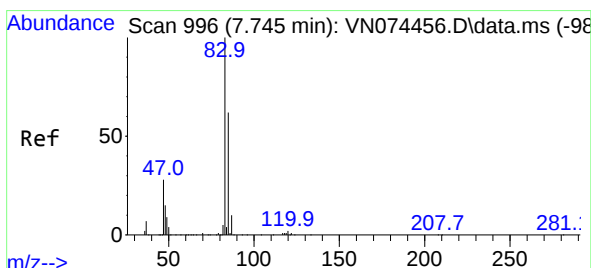
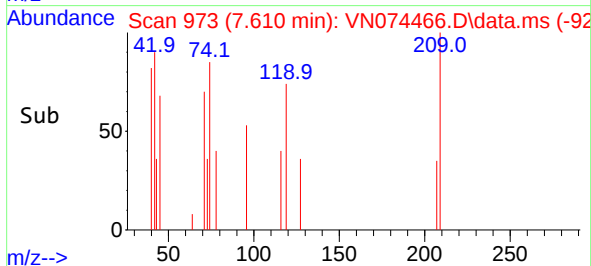
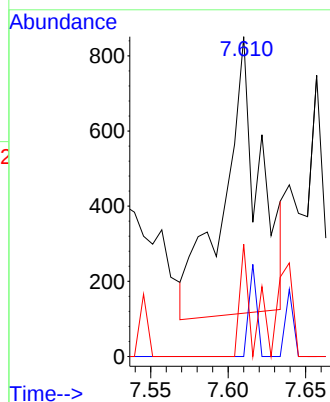
Tgt Ion: 42 Resp: 1223

Ion Ratio Lower Upper

42 100

72 7.0 39.7 59.5#

71 14.0 36.6 55.0#



#30

Chloroform

Concen: 0.680 ug/l

RT: 7.739 min Scan# 995

Delta R.T. -0.006 min

Lab File: VN074466.D

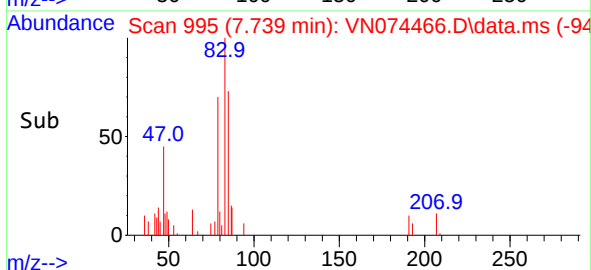
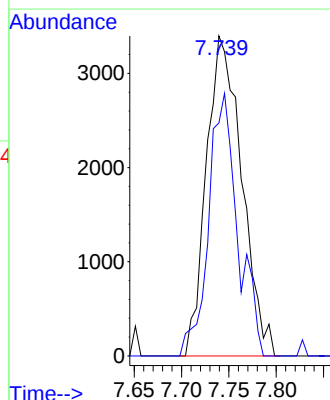
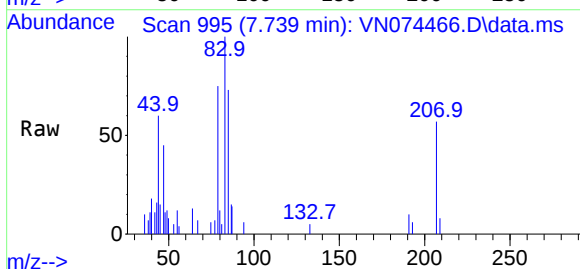
Acq: 15 Sep 2022 17:09

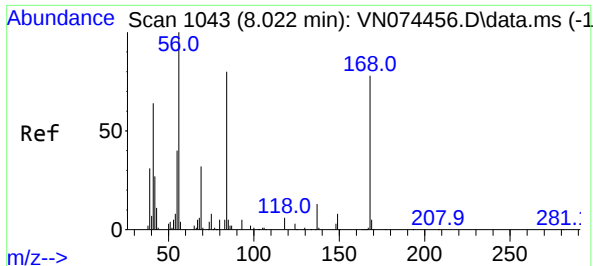
Tgt Ion: 83 Resp: 8817

Ion Ratio Lower Upper

83 100

85 72.8 51.8 77.8





#31

Cyclohexane

Concen: 1.058 ug/l

RT: 8.016 min Scan# 1042

Delta R.T. -0.006 min

Lab File: VN074466.D

Acq: 15 Sep 2022 17:09

Instrument :

MSVOA_N

ClientSampleId :

MW-14A-15-20-083122RE

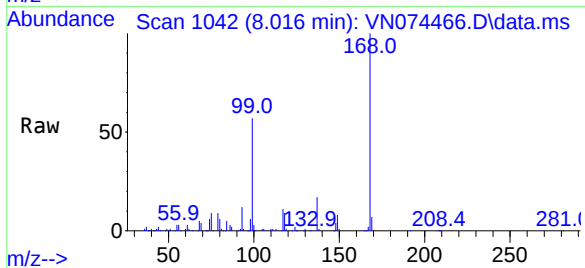
Tgt Ion: 56 Resp: 14173

Ion Ratio Lower Upper

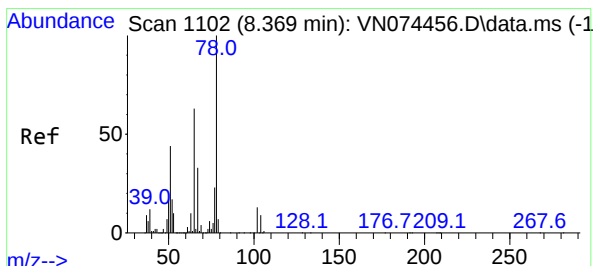
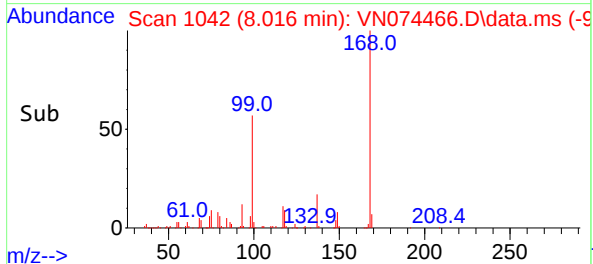
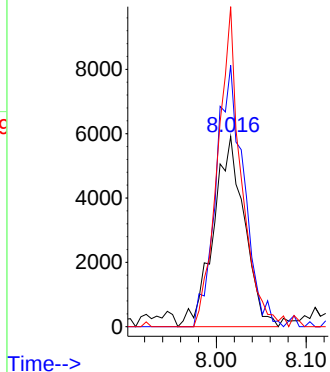
56 100

69 137.4 27.8 41.8#

84 168.2 76.9 115.3#



Abundance



#33

1,2-Dichloroethane-d4

Concen: 65.504 ug/l

RT: 8.369 min Scan# 1102

Delta R.T. -0.000 min

Lab File: VN074466.D

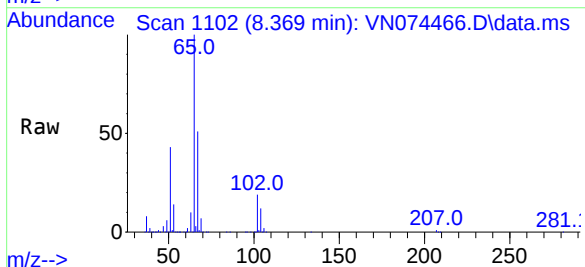
Acq: 15 Sep 2022 17:09

Tgt Ion: 65 Resp: 494306

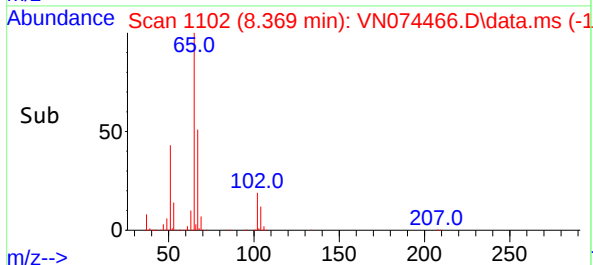
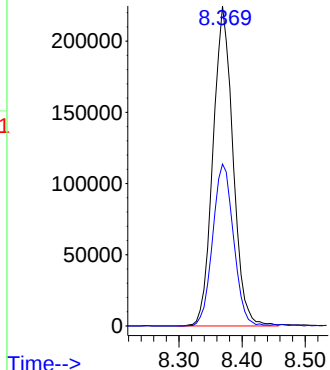
Ion Ratio Lower Upper

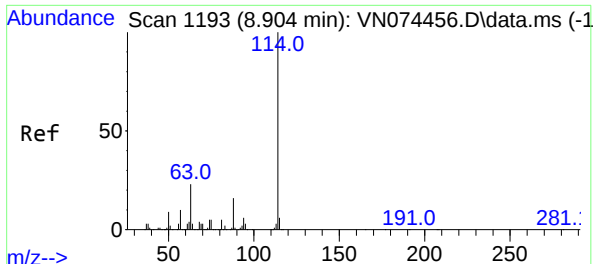
65 100

67 52.7 0.0 104.8



Abundance

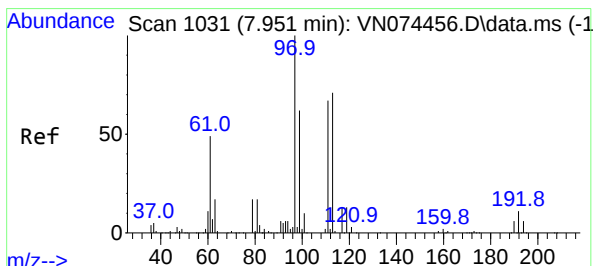
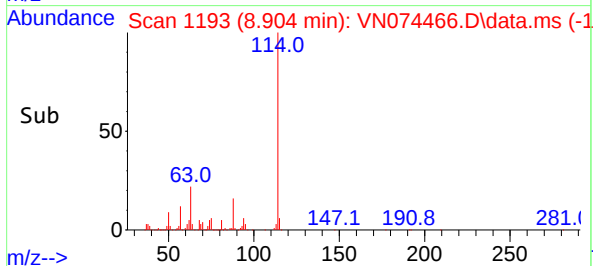
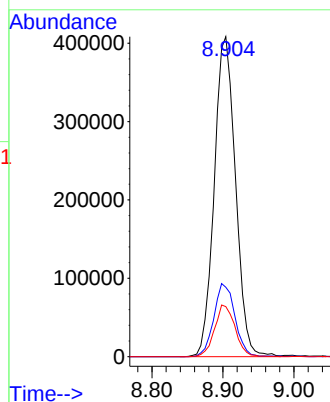
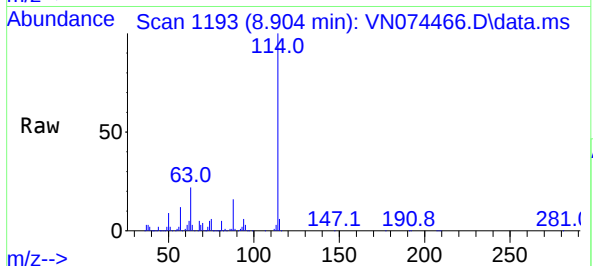




#34
1,4-Difluorobenzene
Concen: 50.000 ug/l
RT: 8.904 min Scan# 1193
Delta R.T. 0.000 min
Lab File: VN074466.D
Acq: 15 Sep 2022 17:09

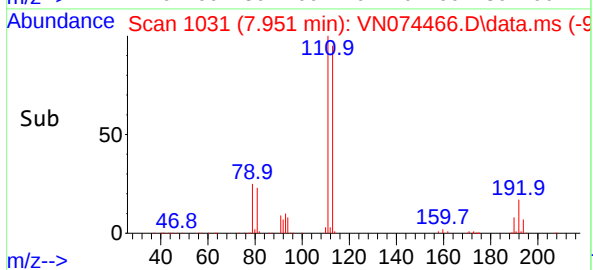
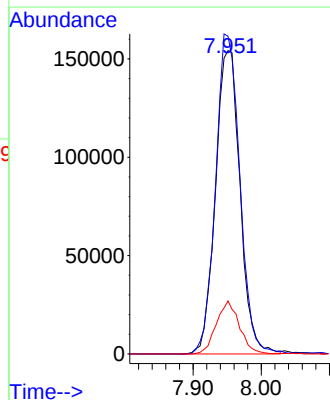
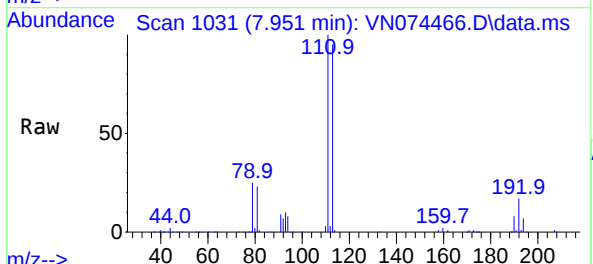
Instrument :
MSVOA_N
ClientSampleId :
MW-14A-15-20-083122RE

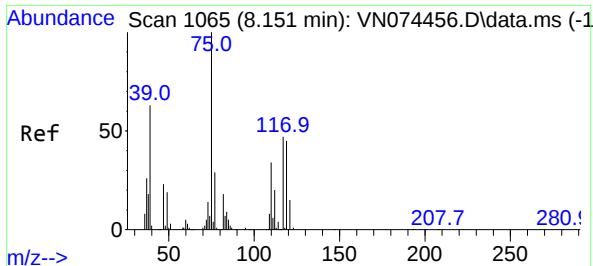
Tgt Ion:114	Resp:	846260
Ion Ratio	Lower	Upper
114	100	
63	21.7	0.0 40.0
88	15.6	0.0 32.6



#35
Dibromofluoromethane
Concen: 68.834 ug/l
RT: 7.951 min Scan# 1031
Delta R.T. 0.000 min
Lab File: VN074466.D
Acq: 15 Sep 2022 17:09

Tgt Ion:113	Resp:	386953
Ion Ratio	Lower	Upper
113	100	
111	104.1	81.4 122.0
192	16.4	17.0 25.6#

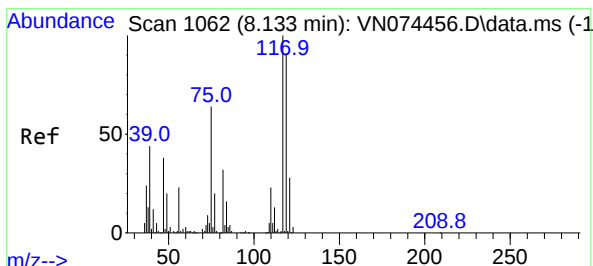
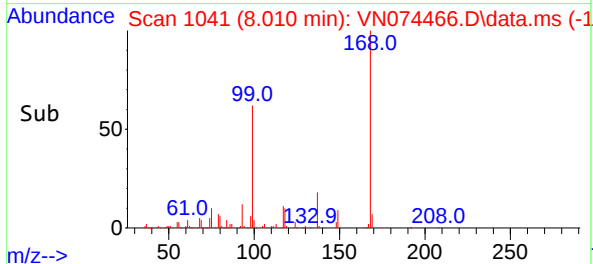
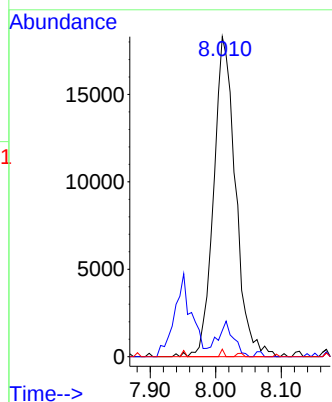
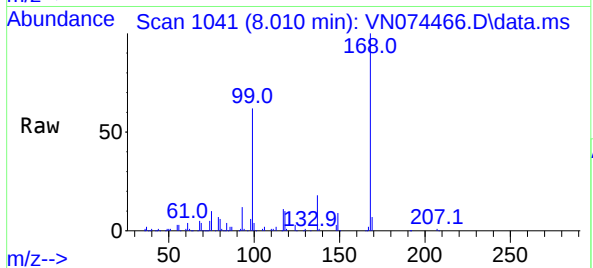




#36
1,1-Dichloropropene
Concen: 4.252 ug/l
RT: 8.010 min Scan# 1041
Delta R.T. -0.141 min
Lab File: VN074466.D
Acq: 15 Sep 2022 17:09

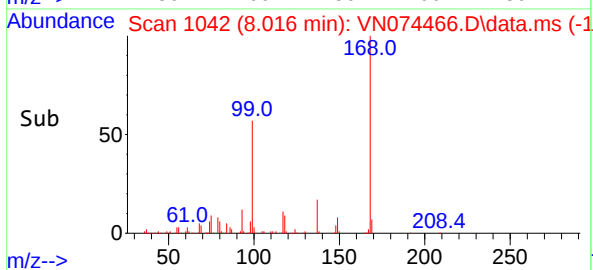
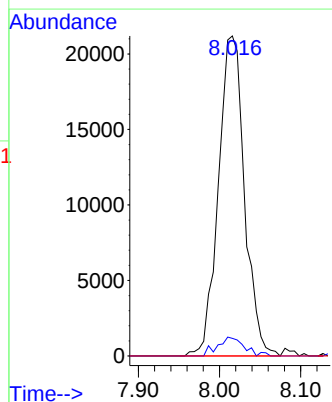
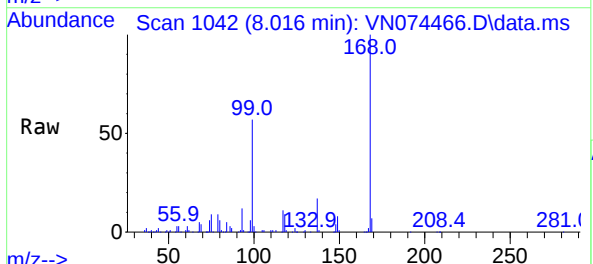
Instrument : MSVOA_N
ClientSampleId : MW-14A-15-20-083122RE

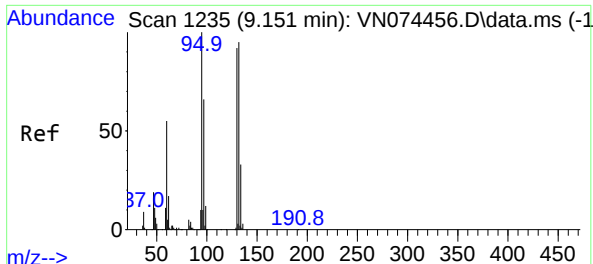
Tgt Ion: 75 Resp: 42304
Ion Ratio Lower Upper
75 100
110 8.1 18.3 54.8#
77 0.4 25.1 37.7#



#38
Carbon Tetrachloride
Concen: 5.153 ug/l
RT: 8.016 min Scan# 1042
Delta R.T. -0.117 min
Lab File: VN074466.D
Acq: 15 Sep 2022 17:09

Tgt Ion: 117 Resp: 47340
Ion Ratio Lower Upper
117 100
119 5.5 75.8 113.8#
121 0.0 24.6 37.0#





#44

Trichloroethene

Concen: 0.547 ug/l

RT: 9.145 min Scan# 11

Delta R.T. -0.006 min

Lab File: VN074466.D

Acq: 15 Sep 2022 17:09

Instrument :

MSVOA_N

ClientSampleId :

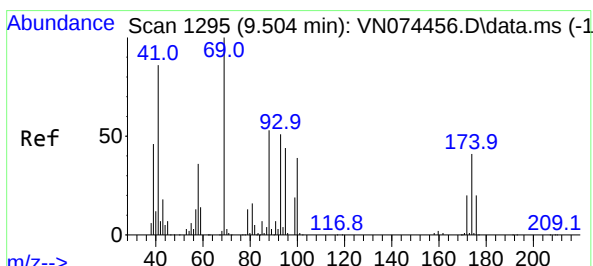
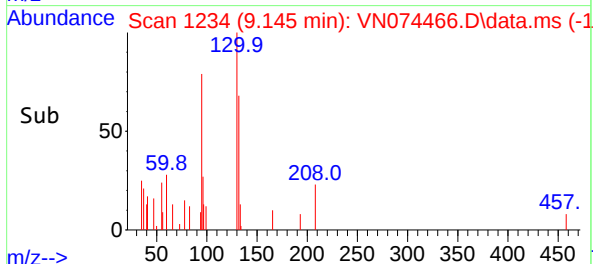
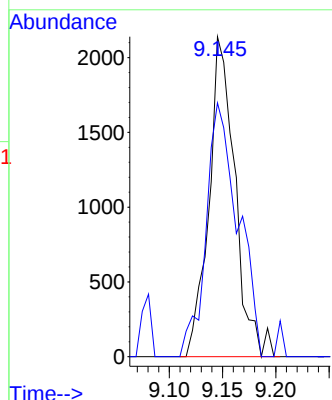
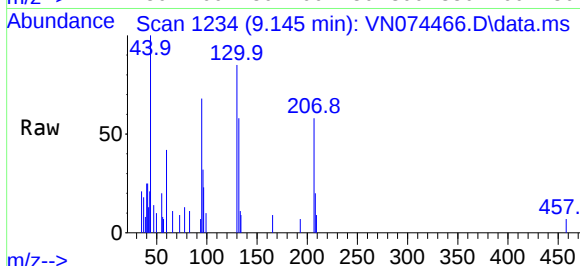
MW-14A-15-20-083122RE

Tgt Ion:130 Resp: 3641

Ion Ratio Lower Upper

130 100

95 79.3 0.0 186.8



#49

1,4-Dioxane

Concen: 0.268 ug/l

RT: 9.316 min Scan# 1263

Delta R.T. -0.188 min

Lab File: VN074466.D

Acq: 15 Sep 2022 17:09

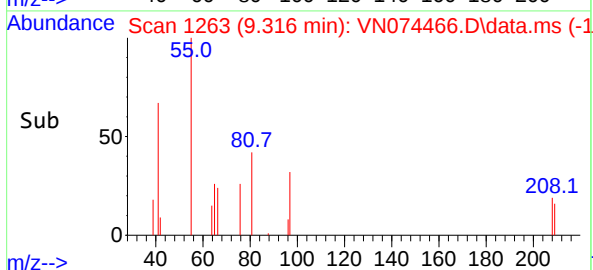
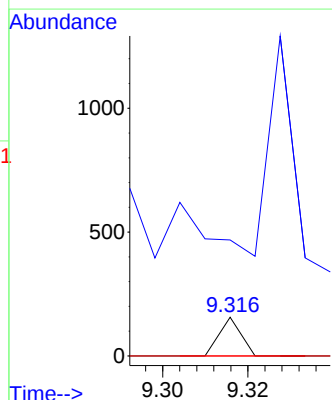
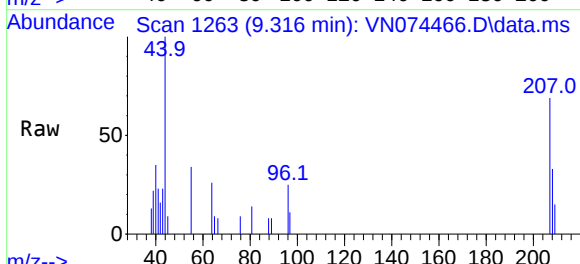
Tgt Ion: 88 Resp: 55

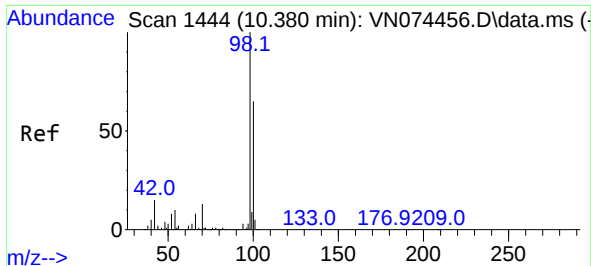
Ion Ratio Lower Upper

88 100

43 689.1 20.2 30.4#

58 0.0 54.2 81.4#

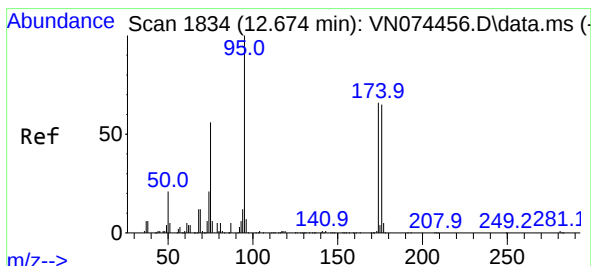
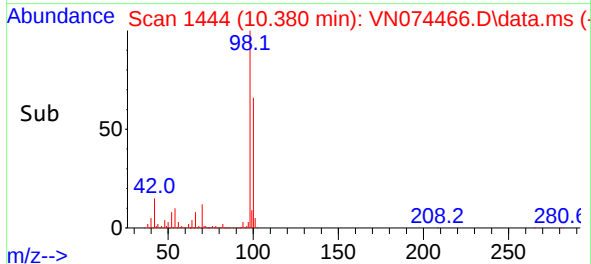
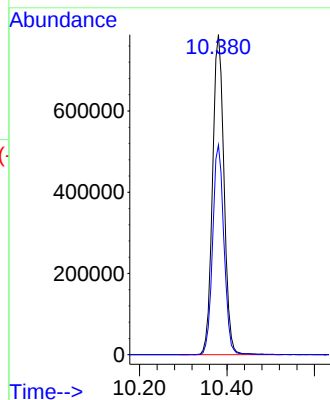
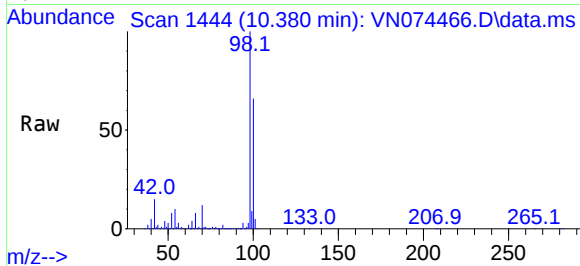




#50
Toluene-d8
Concen: 66.046 ug/l
RT: 10.380 min Scan# 1444
Delta R.T. 0.000 min
Lab File: VN074466.D
Acq: 15 Sep 2022 17:09

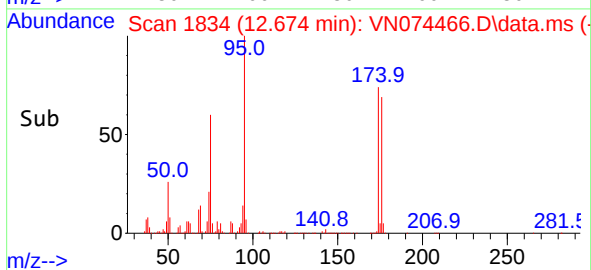
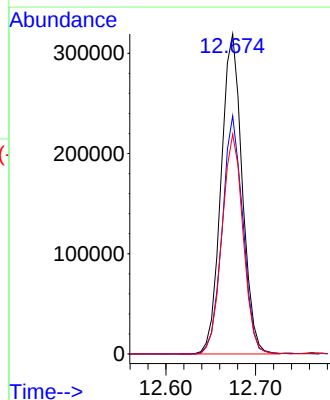
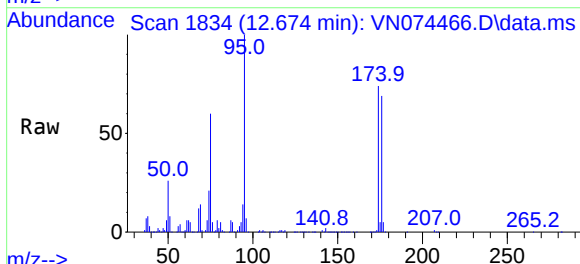
Instrument :
MSVOA_N
ClientSampleId :
MW-14A-15-20-083122RE

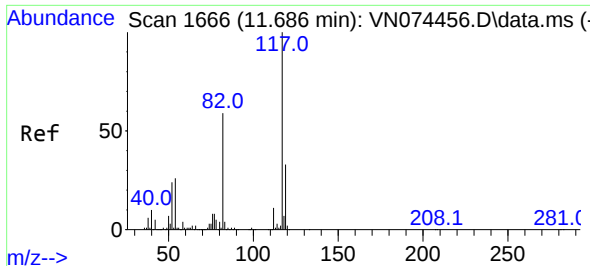
Tgt Ion: 98 Resp: 1435889
Ion Ratio Lower Upper
98 100
100 64.6 52.6 78.8



#62
4-Bromofluorobenzene
Concen: 70.064 ug/l
RT: 12.674 min Scan# 1834
Delta R.T. 0.000 min
Lab File: VN074466.D
Acq: 15 Sep 2022 17:09

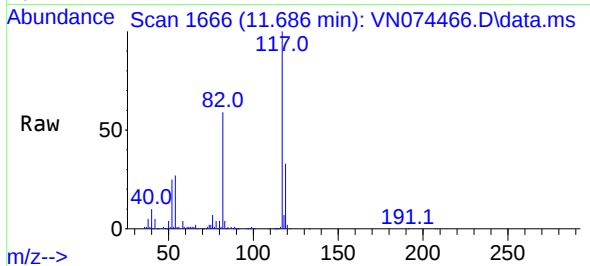
Tgt Ion: 95 Resp: 521703
Ion Ratio Lower Upper
95 100
174 72.9 0.0 167.6
176 68.6 0.0 163.4



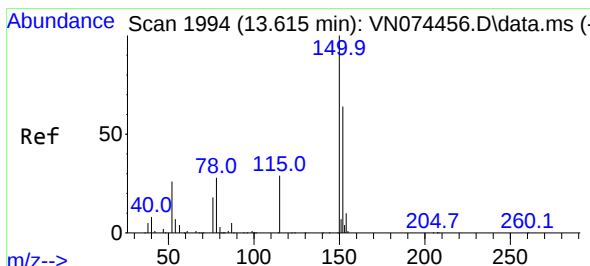
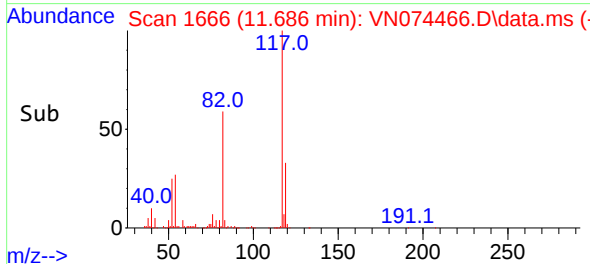
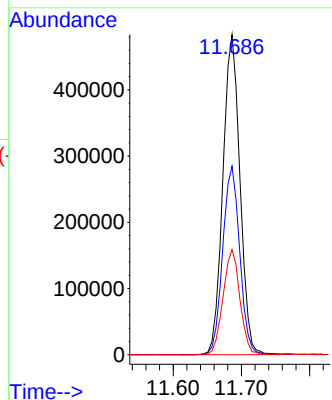


#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 11.686 min Scan# 1666
Delta R.T. 0.000 min
Lab File: VN074466.D
Acq: 15 Sep 2022 17:09

Instrument :
MSVOA_N
ClientSampleId :
MW-14A-15-20-083122RE

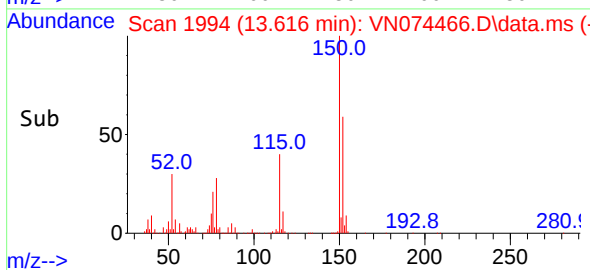
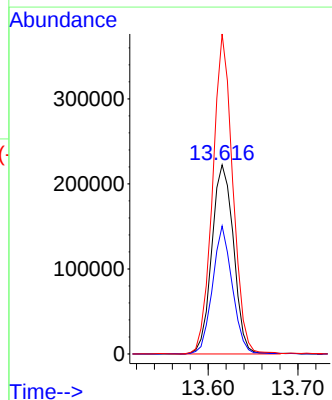
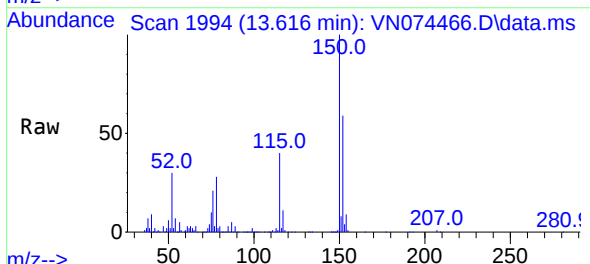


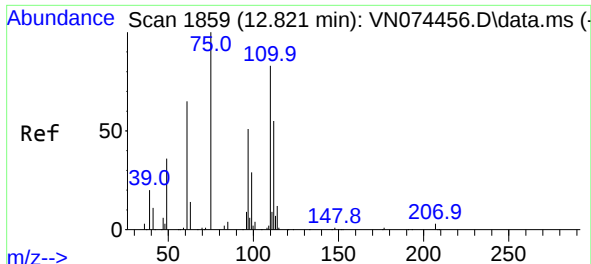
Tgt Ion:117 Resp: 842210
Ion Ratio Lower Upper
117 100
82 58.9 44.2 66.2
119 32.8 25.4 38.0



#72
1,4-Dichlorobenzene-d4
Concen: 50.000 ug/l
RT: 13.616 min Scan# 1994
Delta R.T. 0.001 min
Lab File: VN074466.D
Acq: 15 Sep 2022 17:09

Tgt Ion:152 Resp: 374175
Ion Ratio Lower Upper
152 100
115 61.9 28.9 86.7
150 157.0 0.0 356.2

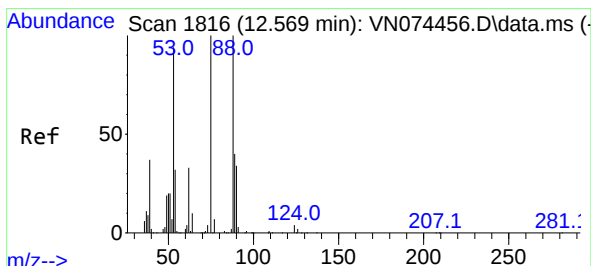
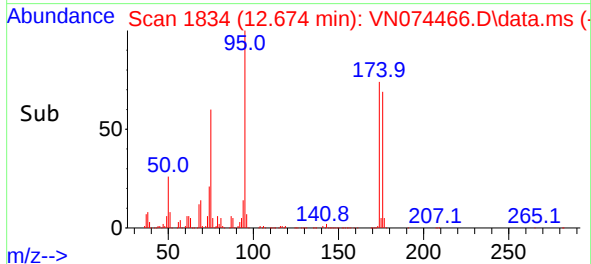
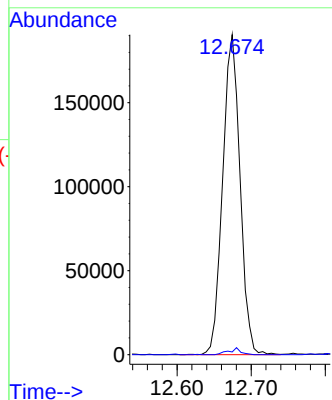
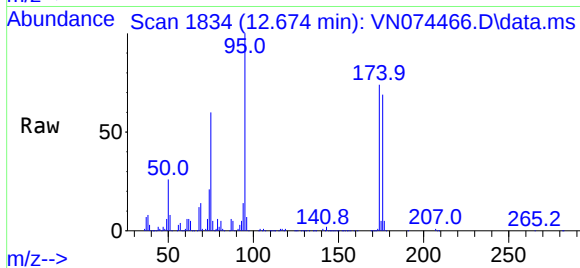




#76
1,2,3-Trichloropropane
Concen: 26.904 ug/l
RT: 12.674 min Scan# 1834
Delta R.T. -0.147 min
Lab File: VN074466.D
Acq: 15 Sep 2022 17:09

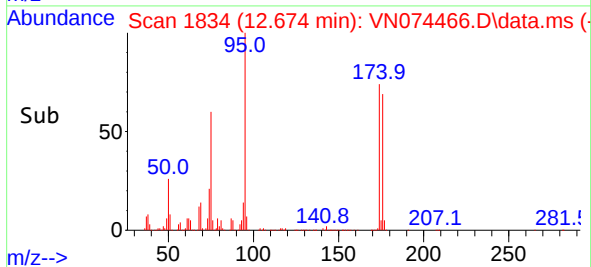
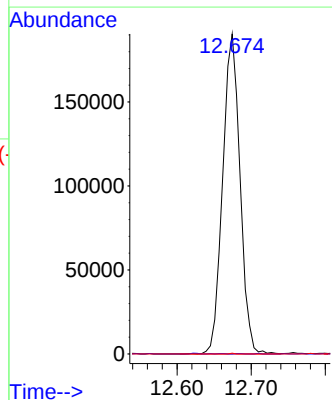
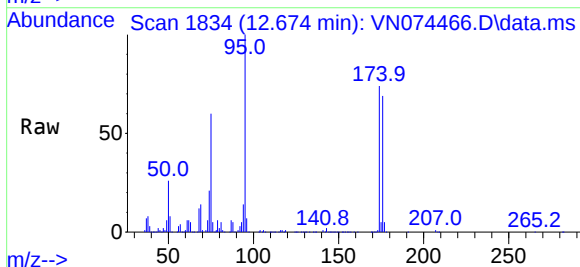
Instrument : MSVOA_N
ClientSampleId : MW-14A-15-20-083122RE

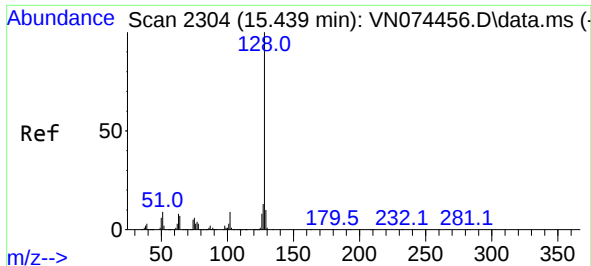
Tgt Ion: 75 Resp: 309865
Ion Ratio Lower Upper
75 100
77 1.4 98.5 295.5#



#81
trans-1,4-Dichloro-2-butene
Concen: 58.068 ug/l
RT: 12.674 min Scan# 1834
Delta R.T. 0.105 min
Lab File: VN074466.D
Acq: 15 Sep 2022 17:09

Tgt Ion: 75 Resp: 309865
Ion Ratio Lower Upper
75 100
53 0.0 78.0 117.0#
89 0.1 37.2 55.8#

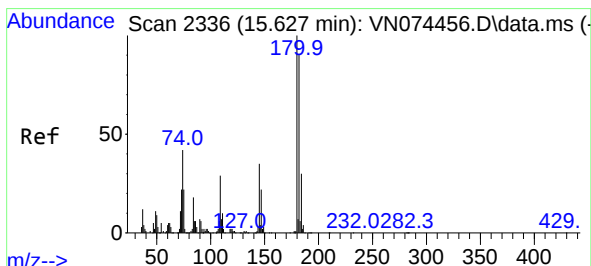
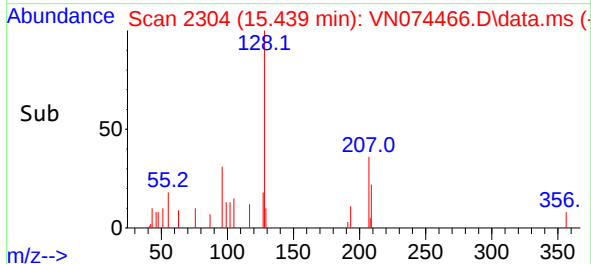
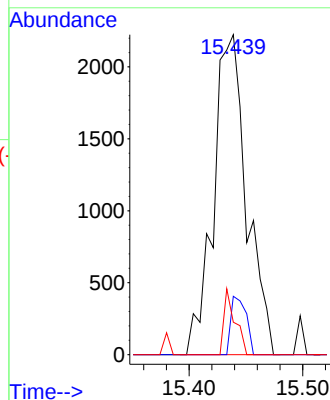
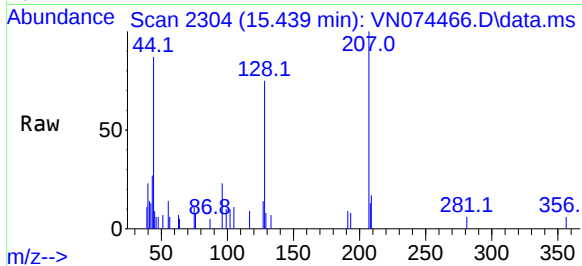




#95
Naphthalene
Concen: 1.725 ug/l
RT: 15.439 min Scan# 21
Delta R.T. -0.000 min
Lab File: VN074466.D
Acq: 15 Sep 2022 17:09

Instrument :
MSVOA_N
ClientSampleId :
MW-14A-15-20-083122RE

Tgt Ion:128 Resp: 4503
Ion Ratio Lower Upper
128 100
127 8.3 10.3 15.5#
129 6.9 8.6 13.0#



#96
1,2,3-Trichlorobenzene
Concen: 1.450 ug/l
RT: 15.639 min Scan# 2338
Delta R.T. 0.012 min
Lab File: VN074466.D
Acq: 15 Sep 2022 17:09

Tgt Ion:180 Resp: 898
Ion Ratio Lower Upper
180 100
182 47.0 47.8 143.3#
145 7.2 15.5 46.5#

