

Data Path : Z:\voasrv\HPCHEM1\MSVOA_N\Data\VN090322\
 Data File : VN074324.D
 Acq On : 03 Sep 2022 18:09
 Operator : JC\MD
 Sample : N4355-10
 Misc : 5.0mL/MSVOA_N/WATER
 ALS Vial : 10 Sample Multiplier: 1

Instrument :
 MSVOA_N
 ClientSampleId :
 MW-15

Quant Time: Sep 05 05:37:40 2022
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA_N\methods\82N090222W.M
 Quant Title : SW846 8260
 QLast Update : Sat Sep 03 04:35:33 2022
 Response via : Initial Calibration

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

Internal Standards						
1) Pentafluorobenzene	8.016	168	316169	50.000	ug/l	0.00
34) 1,4-Difluorobenzene	8.904	114	566593	50.000	ug/l	0.00
63) Chlorobenzene-d5	11.686	117	552867	50.000	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.610	152	257807	50.000	ug/l	0.00

System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	8.369	65	229710	46.608	ug/l	0.00
Spiked Amount	50.000	Range	74 - 125	Recovery	=	93.220%
35) Dibromofluoromethane	7.951	113	195740	52.134	ug/l	0.00
Spiked Amount	50.000	Range	75 - 124	Recovery	=	104.260%
50) Toluene-d8	10.381	98	675121	45.601	ug/l	0.00
Spiked Amount	50.000	Range	86 - 113	Recovery	=	91.200%
62) 4-Bromofluorobenzene	12.669	95	255937	47.400	ug/l	0.00
Spiked Amount	50.000	Range	83 - 123	Recovery	=	94.800%

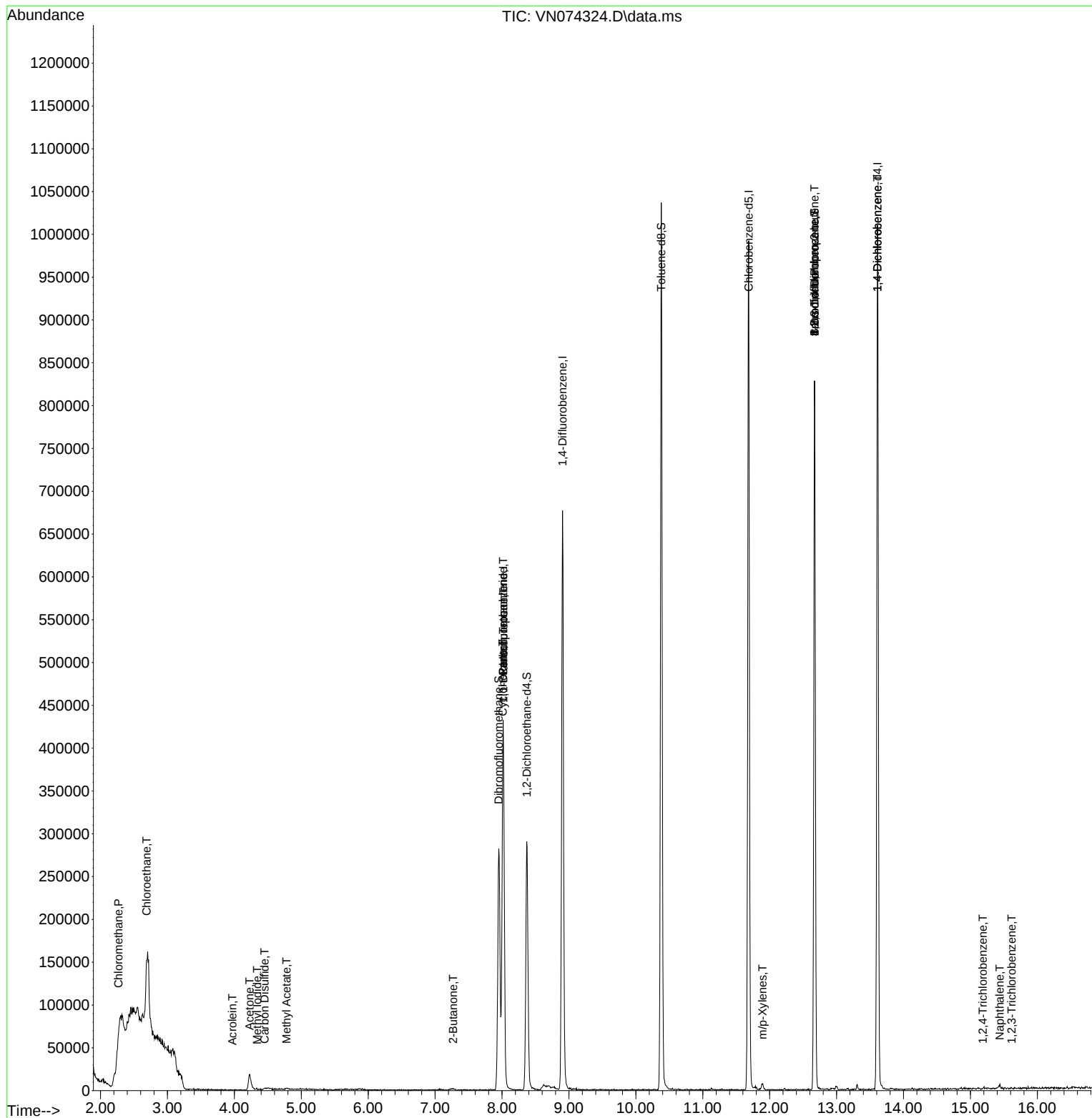
Target Compounds					Qvalue	
3) Chloromethane	2.269	50	3306	0.765	ug/l #	65
6) Chloroethane	2.687	64	132542	20.938	ug/l #	48
10) Methyl Iodide	4.340	142	54	5.062	ug/l #	44
13) Acrolein	3.969	56	142	0.236	ug/l #	16
16) Acetone	4.228	43	31536	15.310	ug/l	98
17) Carbon Disulfide	4.452	76	4379	0.563	ug/l #	79
18) Methyl Acetate	4.781	43	1752	0.283	ug/l #	56
20) Methylene Chloride	5.004	84	292	Below Cal	#	62
25) 2-Butanone	7.269	43	1651	0.475	ug/l	93
31) Cyclohexane	8.010	56	9490	1.442	ug/l #	69
36) 1,1-Dichloropropene	8.022	75	28659	5.378	ug/l #	50
38) Carbon Tetrachloride	8.016	117	33936	6.304	ug/l #	15
68) m/p-Xylenes	11.892	106	2794	0.336	ug/l	99
71) Bromoform	12.669	173	2857	0.878	ug/l #	1
76) 1,2,3-Trichloropropane	12.669	75	148797	20.379	ug/l #	1
81) trans-1,4-Dichloro-2-b...	12.669	75	148797	66.154	ug/l #	10
88) 1,4-Dichlorobenzene	13.610	146	584	0.229	ug/l #	1
93) 1,2,4-Trichlorobenzene	15.186	180	191	0.894	ug/l #	12
95) Naphthalene	15.439	128	4063	0.978	ug/l #	85
96) 1,2,3-Trichlorobenzene	15.615	180	53	0.423	ug/l #	12

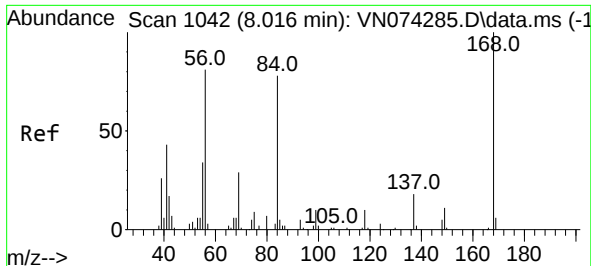
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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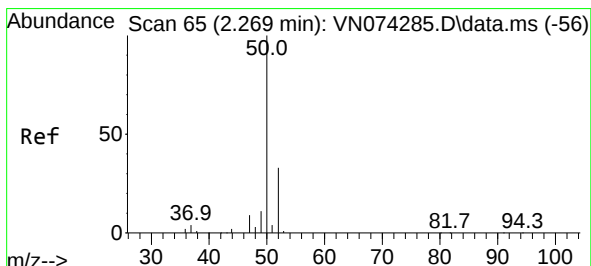
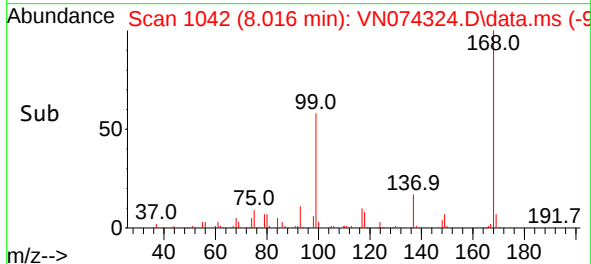
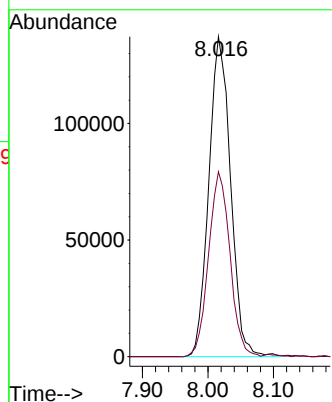
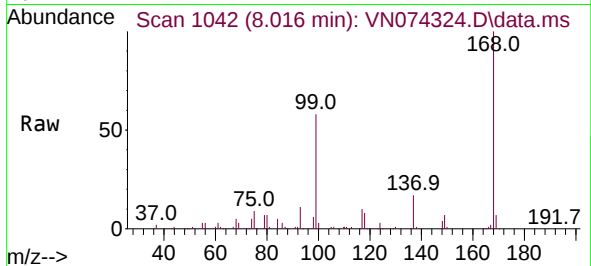




#1
Pentafluorobenzene
Concen: 50.000 ug/l
RT: 8.016 min Scan# 1042
Delta R.T. -0.000 min
Lab File: VN074324.D
Acq: 03 Sep 2022 18:09

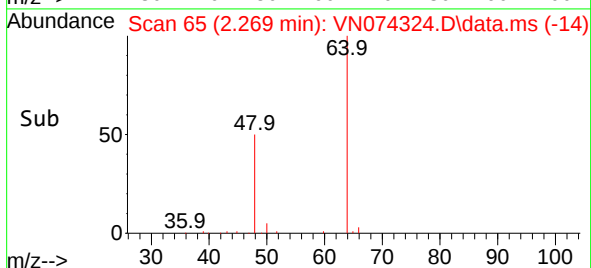
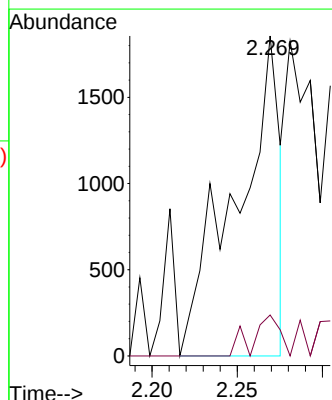
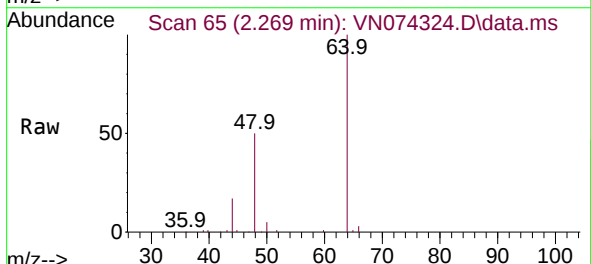
Instrument :
MSVOA_N
ClientSampleId :
MW-15

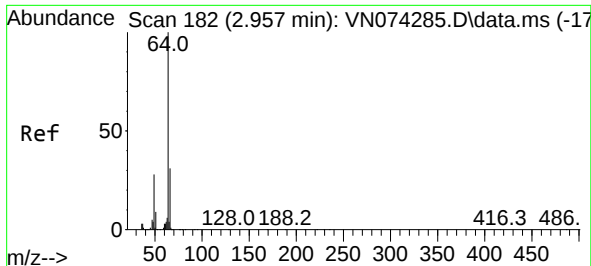
Tgt Ion:168 Resp: 316169
Ion Ratio Lower Upper
168 100
99 57.8 42.3 63.5



#3
Chloromethane
Concen: 0.765 ug/l
RT: 2.269 min Scan# 65
Delta R.T. 0.000 min
Lab File: VN074324.D
Acq: 03 Sep 2022 18:09

Tgt Ion: 50 Resp: 3306
Ion Ratio Lower Upper
50 100
52 12.8 25.7 38.5#

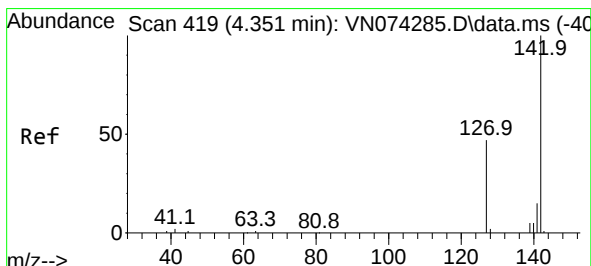
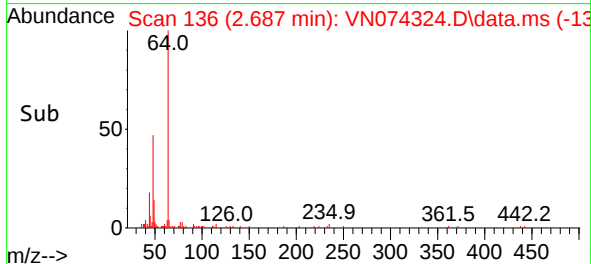
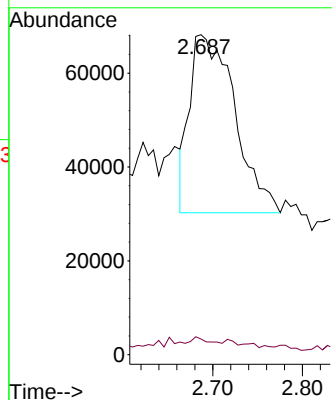
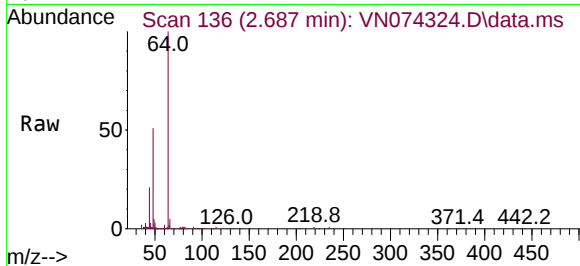




#6
Chloroethane
Concen: 20.938 ug/l
RT: 2.687 min Scan# 11
Delta R.T. -0.264 min
Lab File: VN074324.D
Acq: 03 Sep 2022 18:09

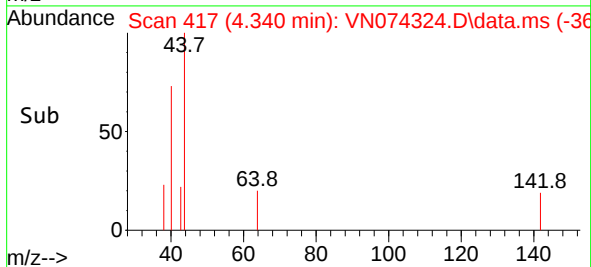
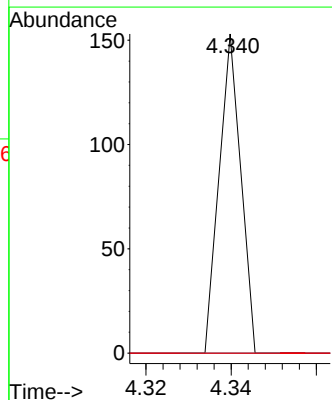
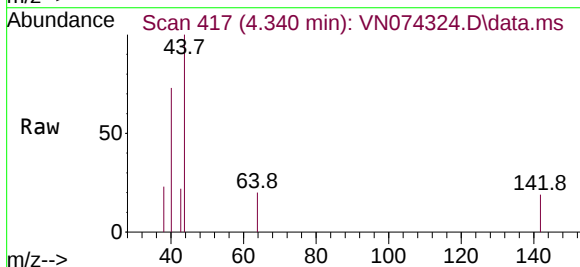
Instrument :
MSVOA_N
ClientSampleId :
MW-15

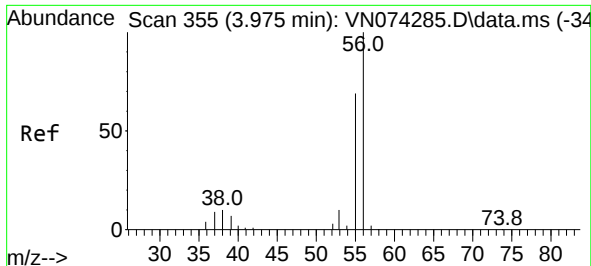
Tgt Ion: 64 Resp: 132542
Ion Ratio Lower Upper
64 100
66 3.5 26.2 39.4#



#10
Methyl Iodide
Concen: 5.062 ug/l
RT: 4.340 min Scan# 417
Delta R.T. -0.006 min
Lab File: VN074324.D
Acq: 03 Sep 2022 18:09

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#





#13

Acrolein

Concen: 0.236 ug/l

RT: 3.969 min Scan# 31

Delta R.T. -0.006 min

Lab File: VN074324.D

Acq: 03 Sep 2022 18:09

Instrument :

MSVOA_N

ClientSampleId :

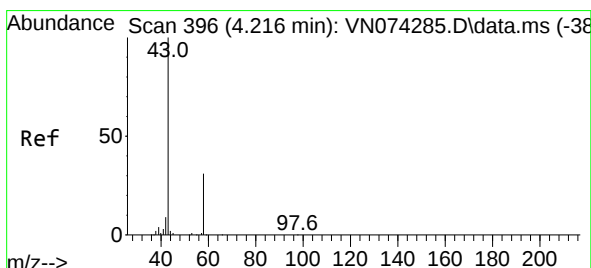
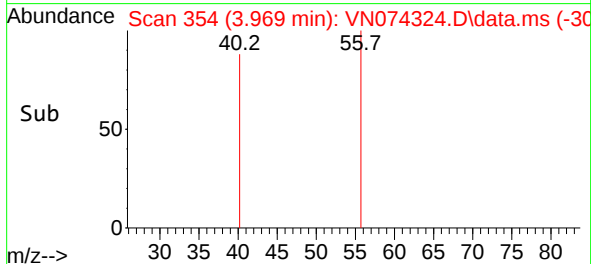
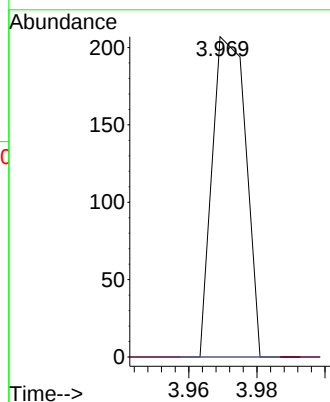
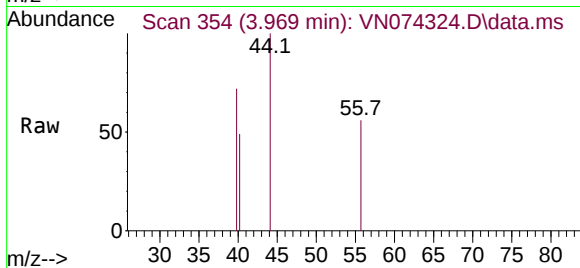
MW-15

Tgt Ion: 56 Resp: 142

Ion Ratio Lower Upper

56 100

55 0.0 54.8 82.2#



#16

Acetone

Concen: 15.310 ug/l

RT: 4.228 min Scan# 398

Delta R.T. 0.006 min

Lab File: VN074324.D

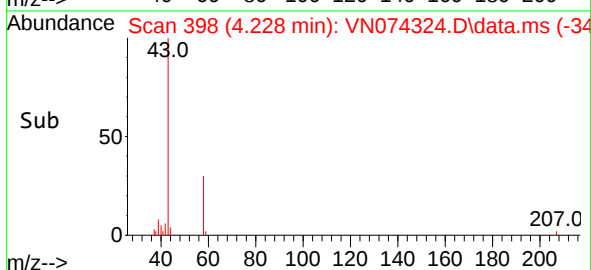
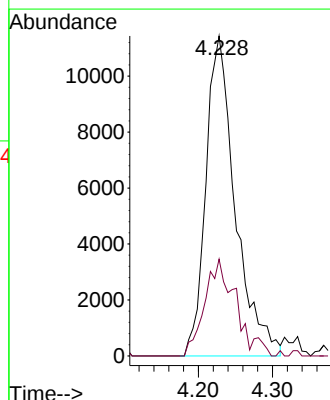
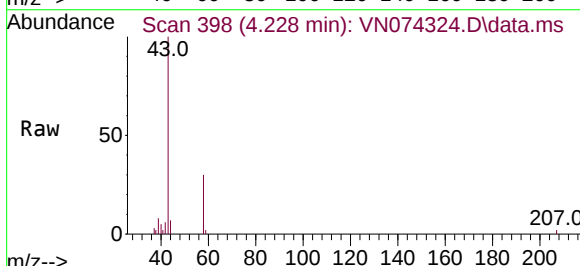
Acq: 03 Sep 2022 18:09

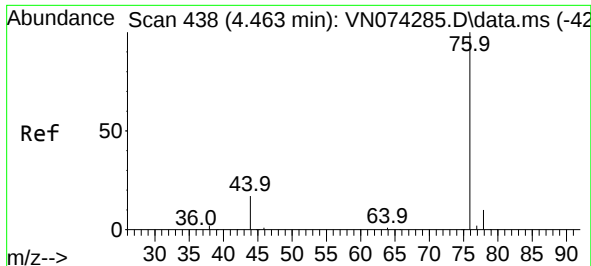
Tgt Ion: 43 Resp: 31536

Ion Ratio Lower Upper

43 100

58 31.2 26.0 39.0

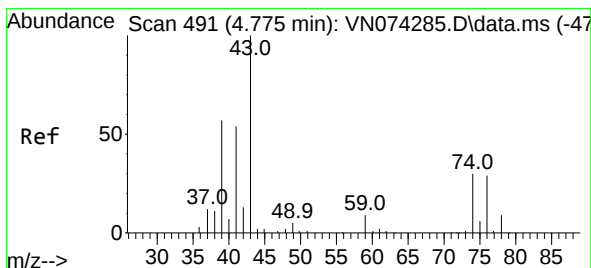
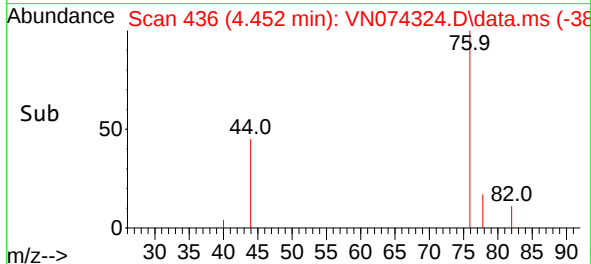
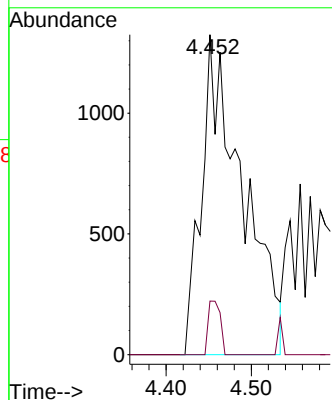
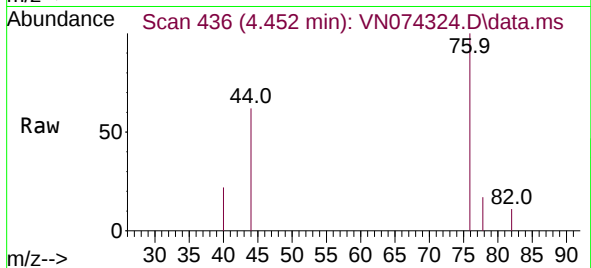




#17
Carbon Disulfide
Concen: 0.563 ug/l
RT: 4.452 min Scan# 41
Delta R.T. 0.001 min
Lab File: VN074324.D
Acq: 03 Sep 2022 18:09

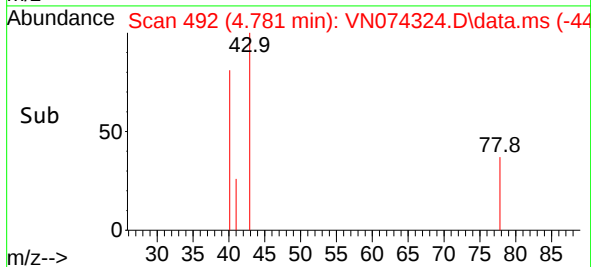
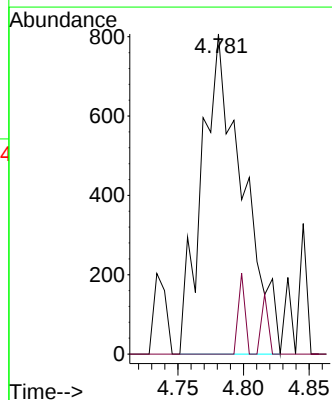
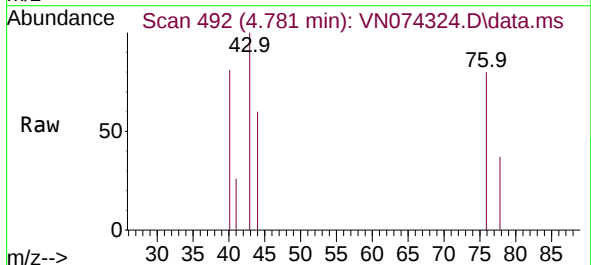
Instrument :
MSVOA_N
ClientSampleId :
MW-15

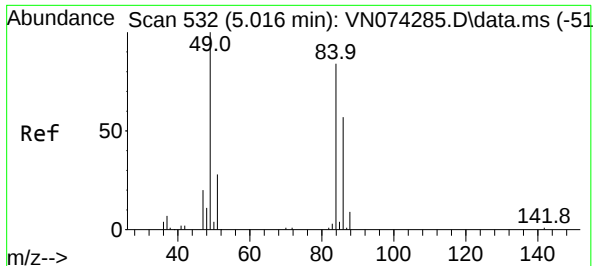
Tgt Ion: 76 Resp: 4379
Ion Ratio Lower Upper
76 100
78 16.8 7.2 10.8#



#18
Methyl Acetate
Concen: 0.283 ug/l
RT: 4.781 min Scan# 492
Delta R.T. 0.006 min
Lab File: VN074324.D
Acq: 03 Sep 2022 18:09

Tgt Ion: 43 Resp: 1752
Ion Ratio Lower Upper
43 100
74 4.1 21.6 32.4#

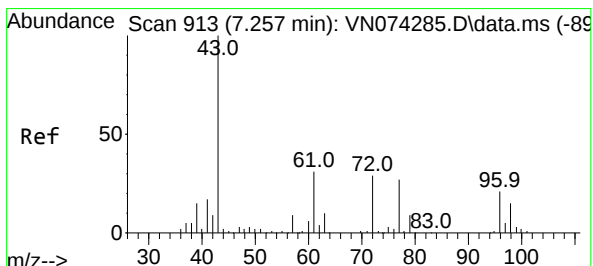
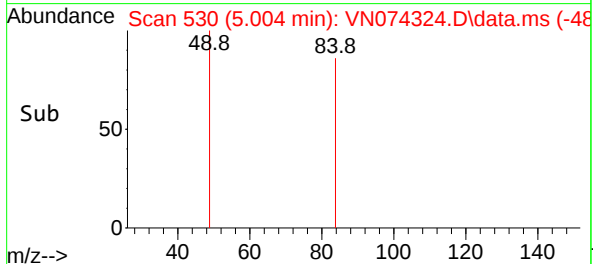
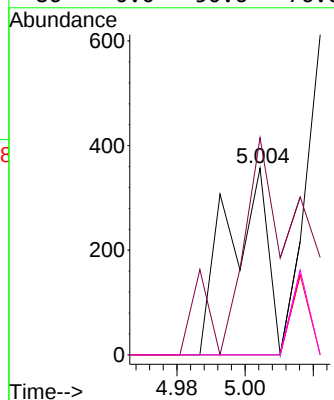
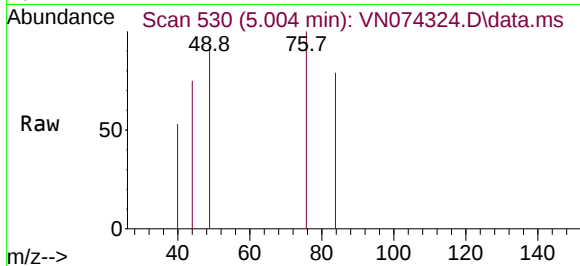




#20
Methylene Chloride
Concen: Below Cal
RT: 5.004 min Scan# 51
Delta R.T. -0.006 min
Lab File: VN074324.D
Acq: 03 Sep 2022 18:09

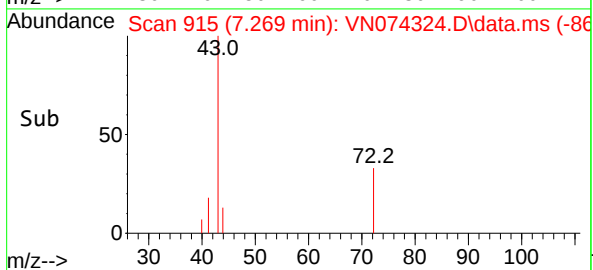
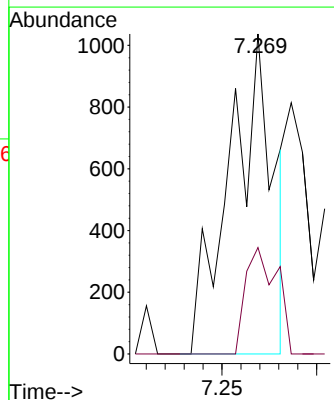
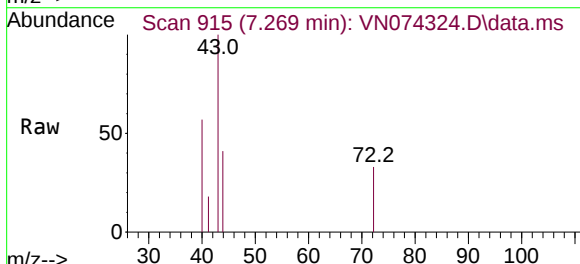
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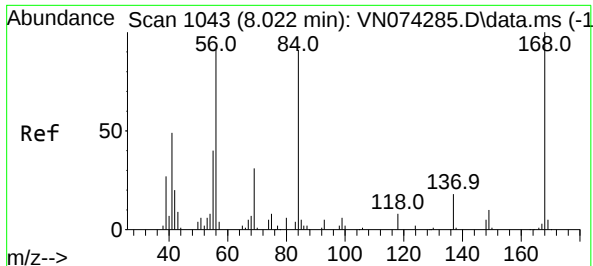
Tgt Ion:	84	Resp:	292
Ion	Ratio	Lower	Upper
84	100		
49	116.2	88.3	132.5
51	0.0	28.2	42.2#
86	0.0	50.6	76.0#



#25
2-Butanone
Concen: 0.475 ug/l
RT: 7.269 min Scan# 915
Delta R.T. 0.012 min
Lab File: VN074324.D
Acq: 03 Sep 2022 18:09

Tgt Ion:	43	Resp:	1651
Ion	Ratio	Lower	Upper
43	100		
72	33.3	23.7	35.5

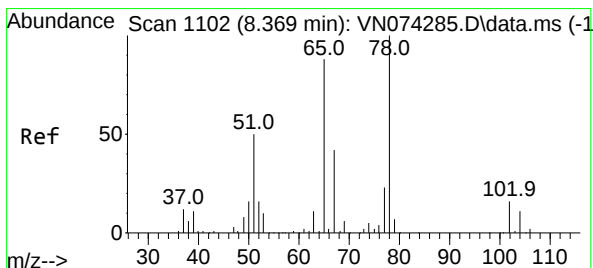
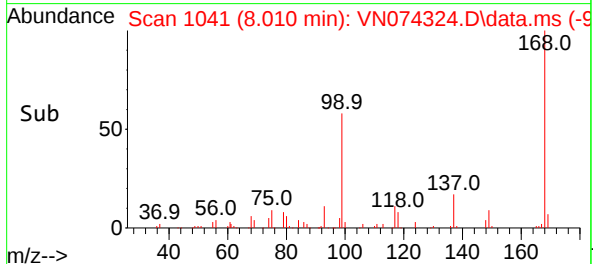
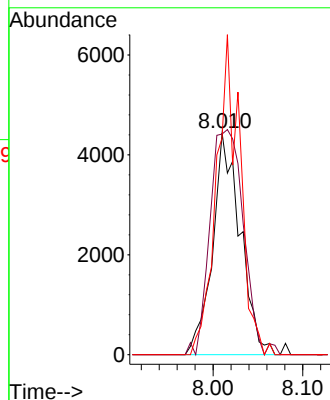
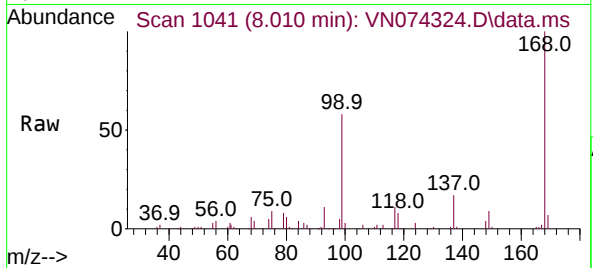




#31
Cyclohexane
Concen: 1.442 ug/l
RT: 8.010 min Scan# 1043
Delta R.T. -0.012 min
Lab File: VN074324.D
Acq: 03 Sep 2022 18:09

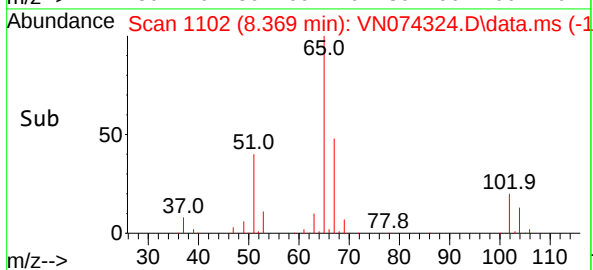
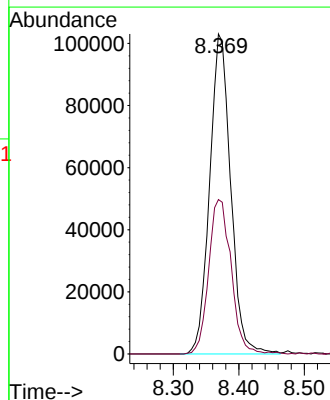
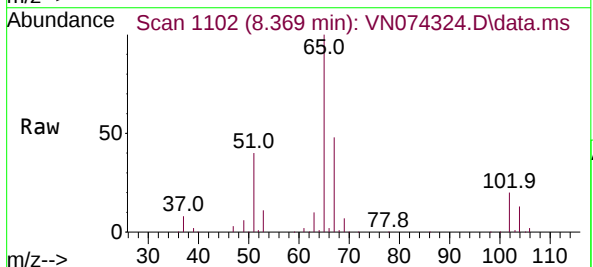
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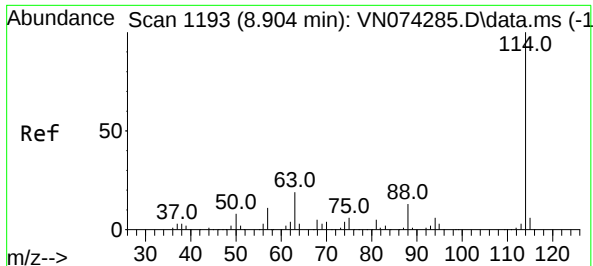
Tgt Ion: 56 Resp: 9490
Ion Ratio Lower Upper
56 100
69 99.6 27.8 41.8#
84 97.9 76.9 115.3



#33
1,2-Dichloroethane-d4
Concen: 46.608 ug/l
RT: 8.369 min Scan# 1102
Delta R.T. -0.000 min
Lab File: VN074324.D
Acq: 03 Sep 2022 18:09

Tgt Ion: 65 Resp: 229710
Ion Ratio Lower Upper
65 100
67 51.1 0.0 104.8





#34

1,4-Difluorobenzene

Concen: 50.000 ug/l

RT: 8.904 min Scan# 1193

Delta R.T. 0.000 min

Lab File: VN074324.D

Acq: 03 Sep 2022 18:09

Instrument :

MSVOA_N

ClientSampleId :

MW-15

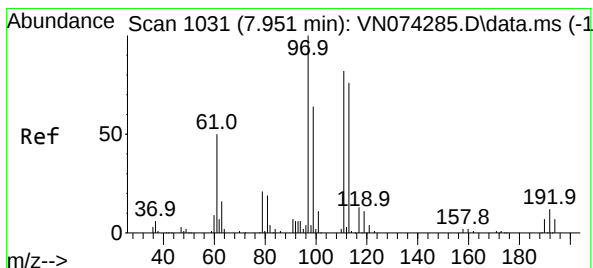
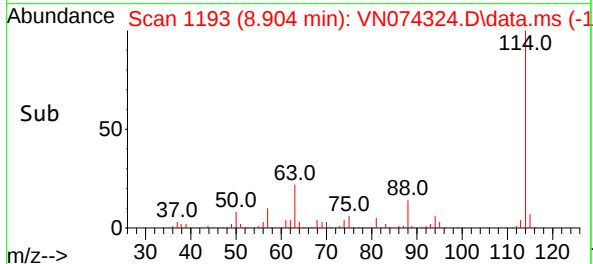
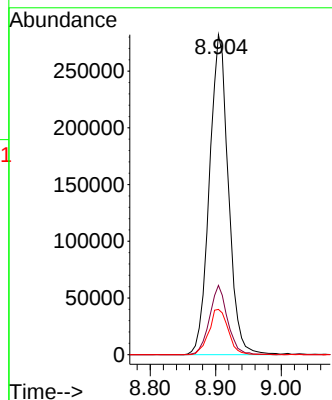
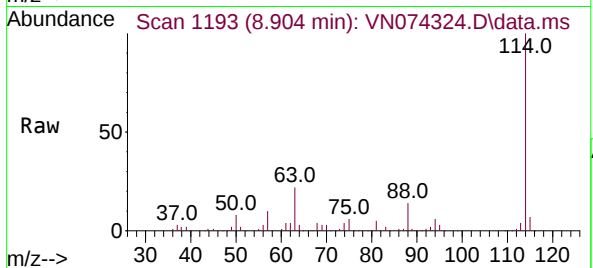
Tgt Ion:114 Resp: 566593

Ion Ratio Lower Upper

114 100

63 21.7 0.0 40.0

88 14.2 0.0 32.6



#35

Dibromofluoromethane

Concen: 52.134 ug/l

RT: 7.951 min Scan# 1031

Delta R.T. 0.000 min

Lab File: VN074324.D

Acq: 03 Sep 2022 18:09

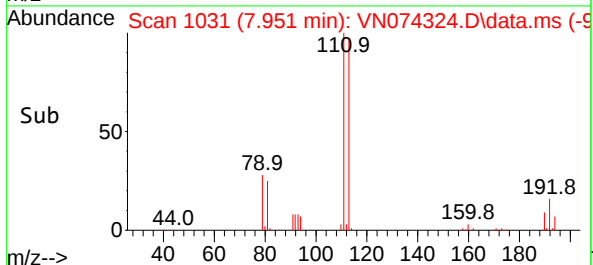
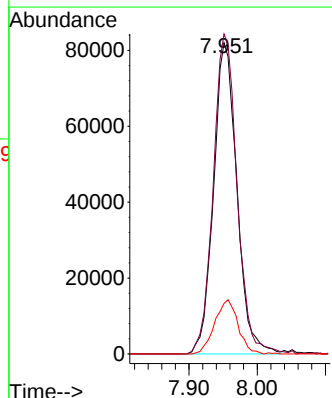
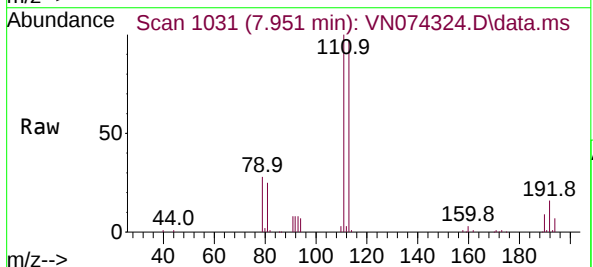
Tgt Ion:113 Resp: 195740

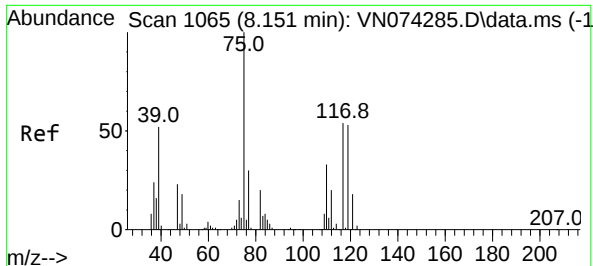
Ion Ratio Lower Upper

113 100

111 104.7 81.4 122.0

192 17.4 17.0 25.6





#36

1,1-Dichloropropene

Concen: 5.378 ug/l

RT: 8.022 min Scan# 1043

Delta R.T. -0.135 min

Lab File: VN074324.D

Acq: 03 Sep 2022 18:09

Instrument :

MSVOA_N

ClientSampleId :

MW-15

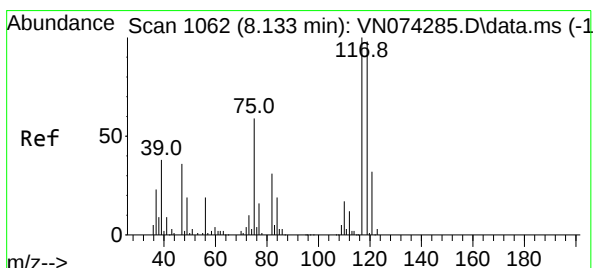
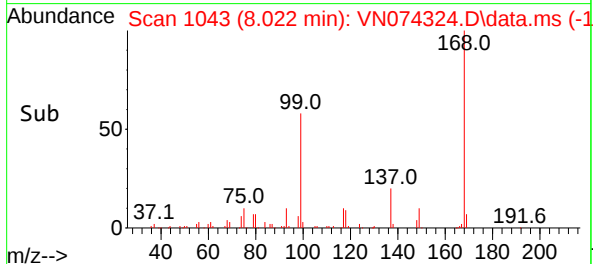
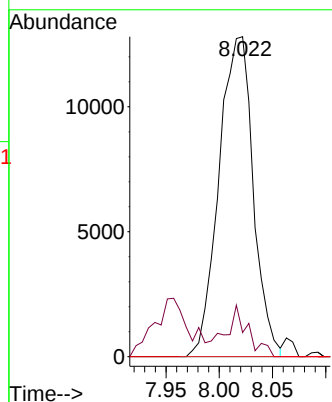
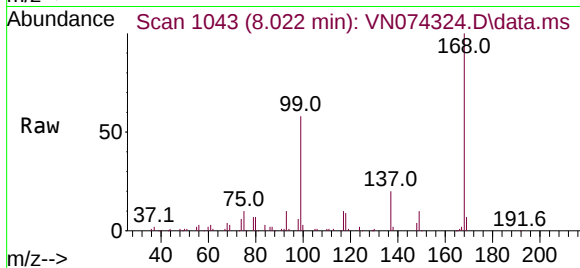
Tgt Ion: 75 Resp: 28659

Ion Ratio Lower Upper

75 100

110 10.2 18.3 54.8#

77 0.0 25.1 37.7#



#38

Carbon Tetrachloride

Concen: 6.304 ug/l

RT: 8.016 min Scan# 1042

Delta R.T. -0.117 min

Lab File: VN074324.D

Acq: 03 Sep 2022 18:09

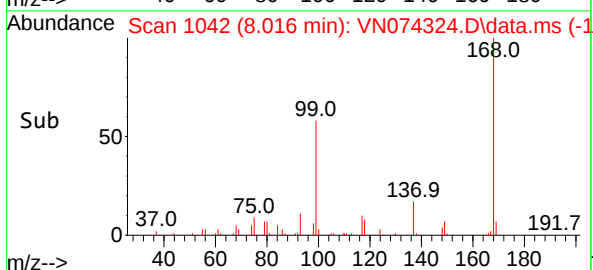
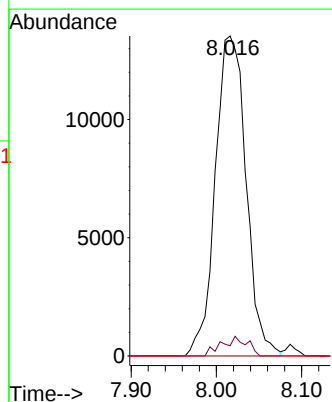
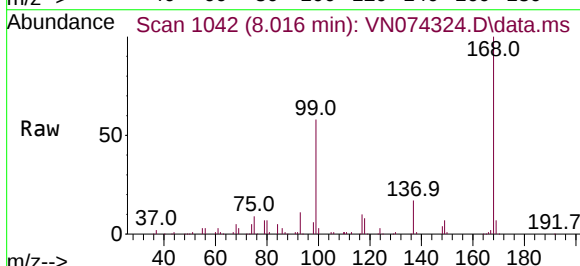
Tgt Ion: 117 Resp: 33936

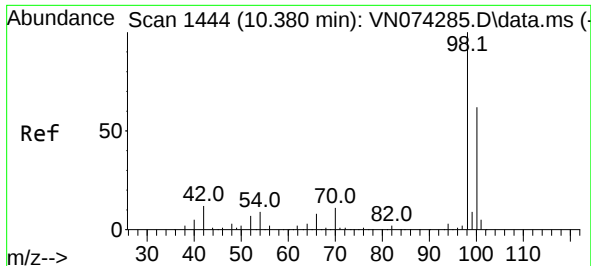
Ion Ratio Lower Upper

117 100

119 3.2 75.8 113.8#

121 0.0 24.6 37.0#

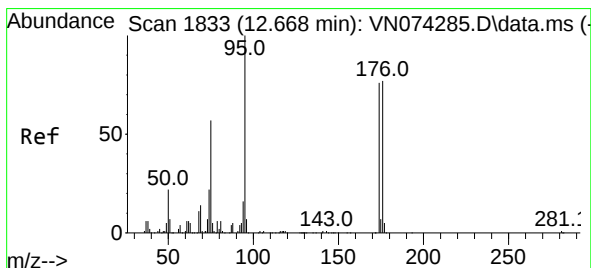
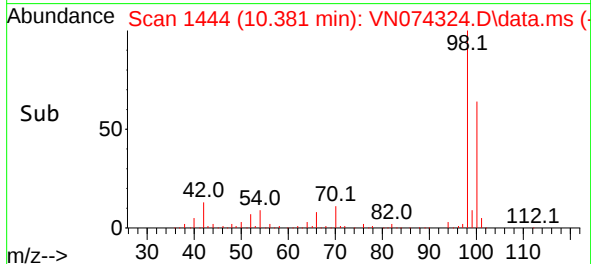
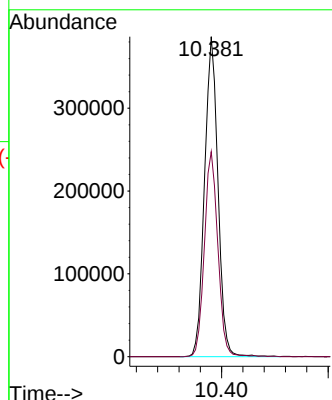
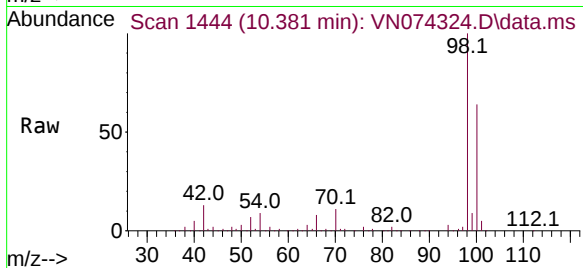




#50
Toluene-d8
Concen: 45.601 ug/l
RT: 10.381 min Scan# 1444
Delta R.T. 0.001 min
Lab File: VN074324.D
Acq: 03 Sep 2022 18:09

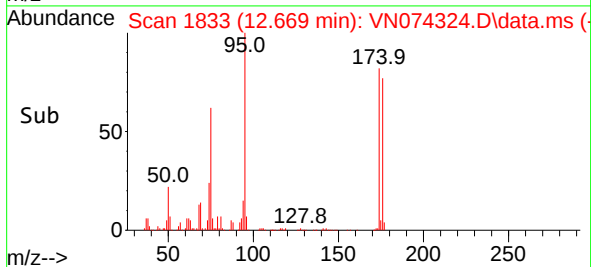
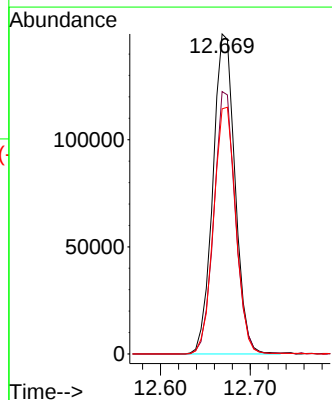
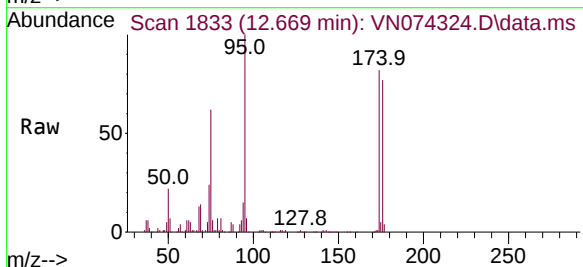
Instrument :
MSVOA_N
ClientSampleId :
MW-15

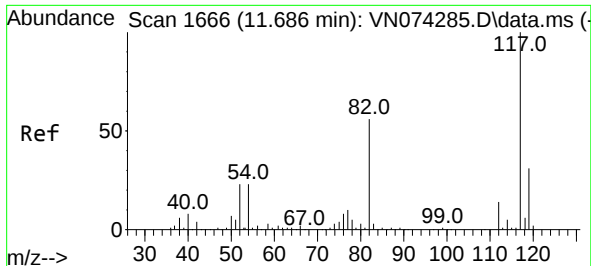
Tgt Ion: 98 Resp: 675121
Ion Ratio Lower Upper
98 100
100 64.2 52.6 78.8



#62
4-Bromofluorobenzene
Concen: 47.400 ug/l
RT: 12.669 min Scan# 1833
Delta R.T. -0.000 min
Lab File: VN074324.D
Acq: 03 Sep 2022 18:09

Tgt Ion: 95 Resp: 255937
Ion Ratio Lower Upper
95 100
174 79.0 0.0 167.6
176 77.5 0.0 163.4

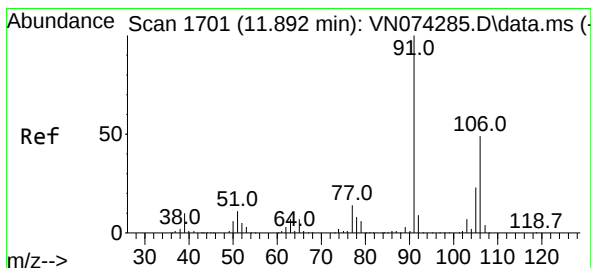
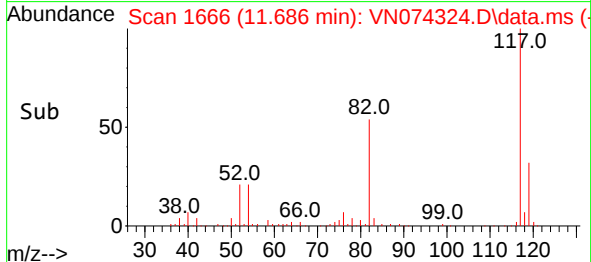
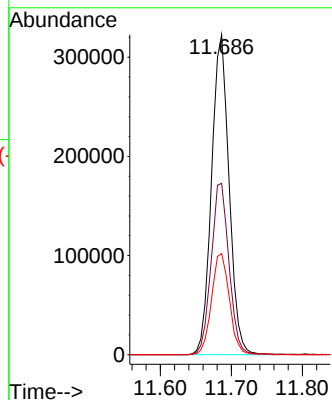
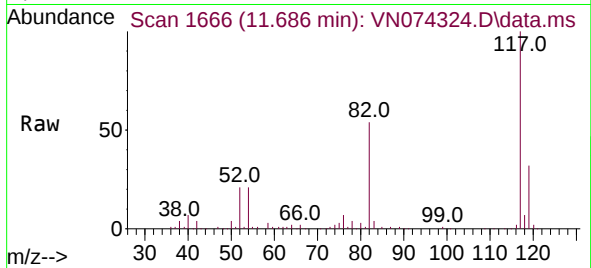




#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 11.686 min Scan# 117
Delta R.T. 0.000 min
Lab File: VN074324.D
Acq: 03 Sep 2022 18:09

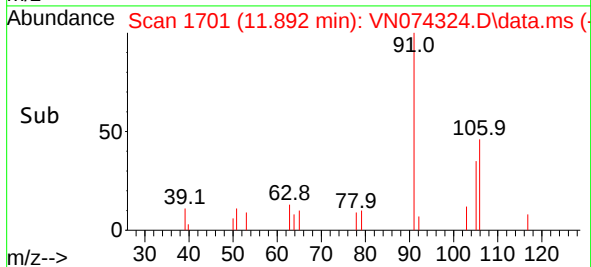
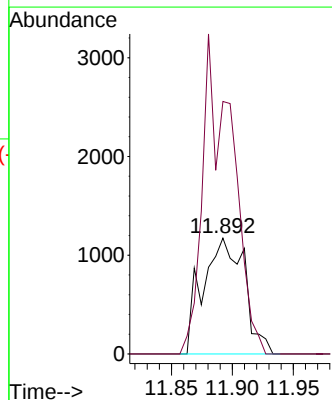
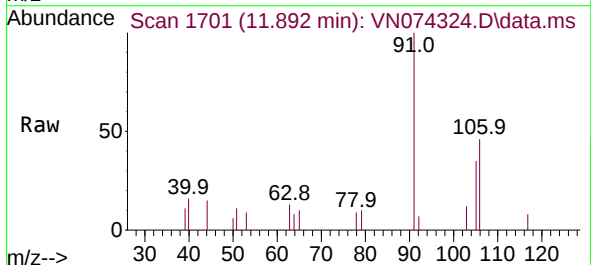
Instrument :
MSVOA_N
ClientSampleId :
MW-15

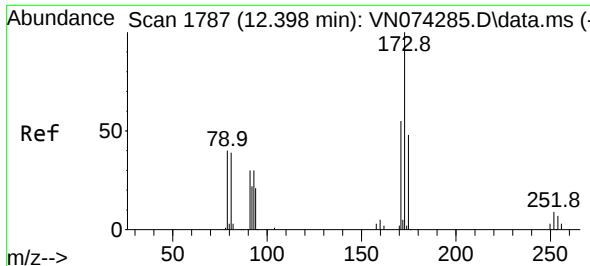
Tgt Ion:117 Resp: 552867
Ion Ratio Lower Upper
117 100
82 53.5 44.2 66.2
119 31.6 25.4 38.0



#68
m/p-Xylenes
Concen: 0.336 ug/l
RT: 11.892 min Scan# 1701
Delta R.T. 0.000 min
Lab File: VN074324.D
Acq: 03 Sep 2022 18:09

Tgt Ion:106 Resp: 2794
Ion Ratio Lower Upper
106 100
91 196.9 158.9 238.3

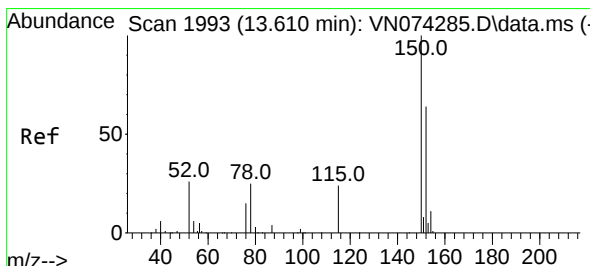
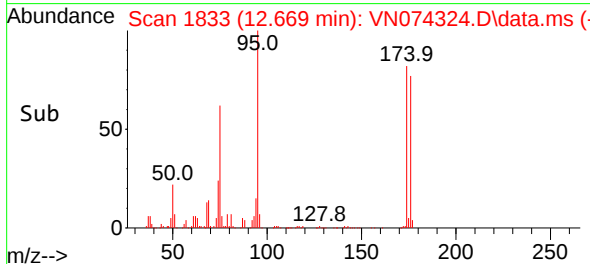
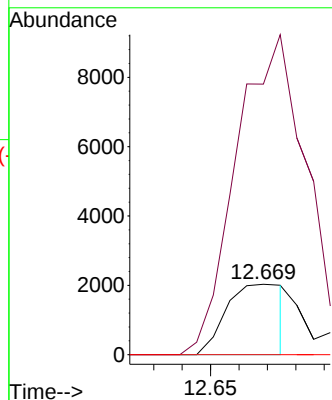
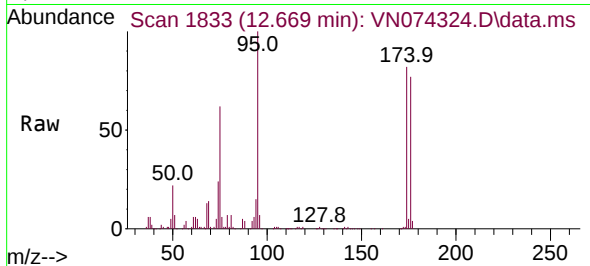




#71
Bromoform
Concen: 0.878 ug/l
RT: 12.669 min Scan# 1833
Delta R.T. 0.271 min
Lab File: VN074324.D
Acq: 03 Sep 2022 18:09

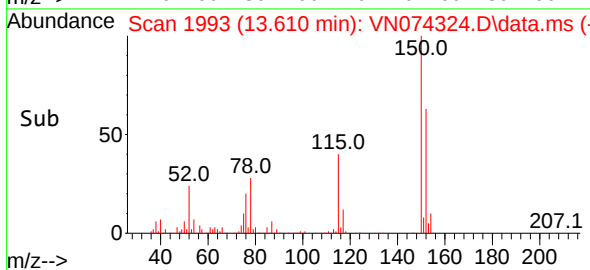
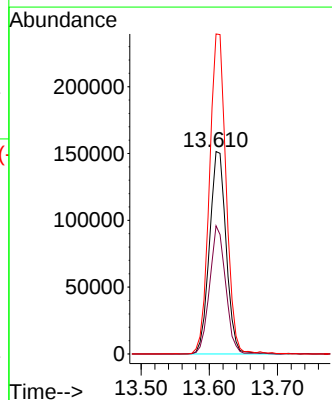
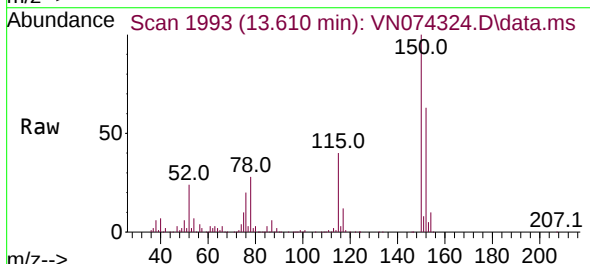
Instrument :
MSVOA_N
ClientSampleId :
MW-15

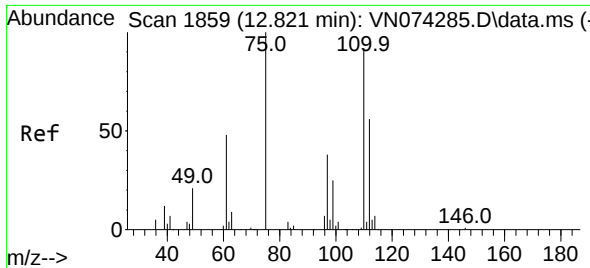
Tgt Ion:173 Resp: 2857
Ion Ratio Lower Upper
173 100
175 275.6 24.6 73.6#
254 0.0 0.1 0.1#



#72
1,4-Dichlorobenzene-d4
Concen: 50.000 ug/l
RT: 13.610 min Scan# 1993
Delta R.T. -0.000 min
Lab File: VN074324.D
Acq: 03 Sep 2022 18:09

Tgt Ion:152 Resp: 257807
Ion Ratio Lower Upper
152 100
115 60.6 28.9 86.7
150 157.2 0.0 356.2

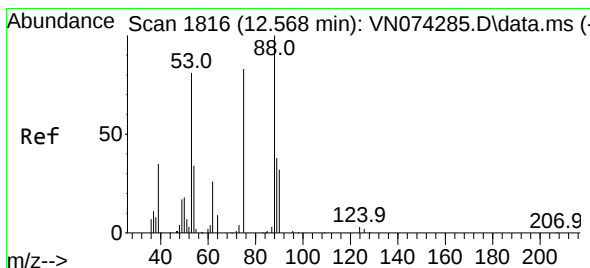
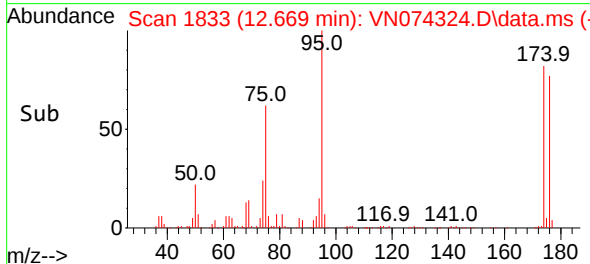
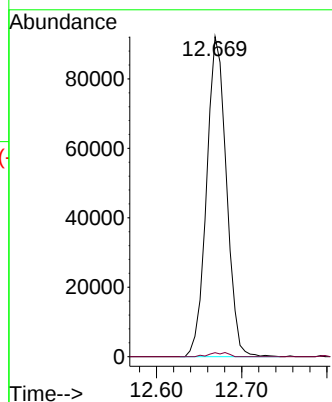
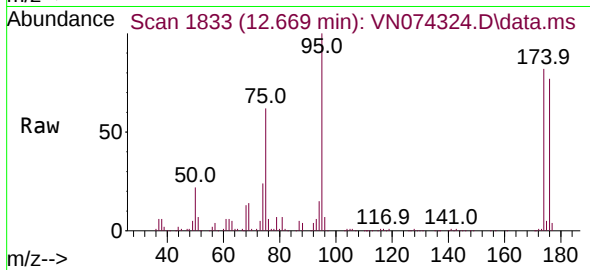




#76
1,2,3-Trichloropropane
Concen: 20.379 ug/l
RT: 12.669 min Scan# 1833
Delta R.T. -0.152 min
Lab File: VN074324.D
Acq: 03 Sep 2022 18:09

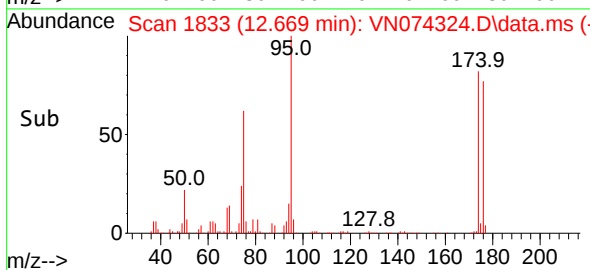
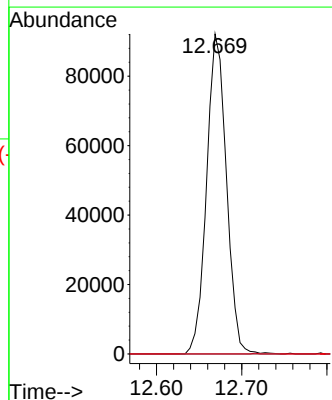
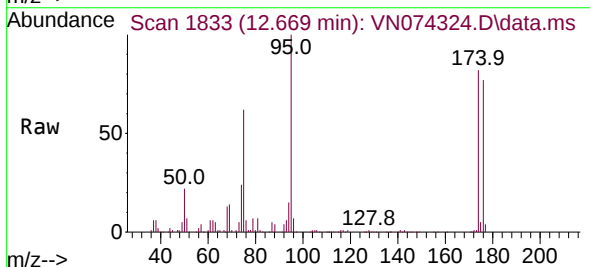
Instrument :
MSVOA_N
ClientSampleId :
MW-15

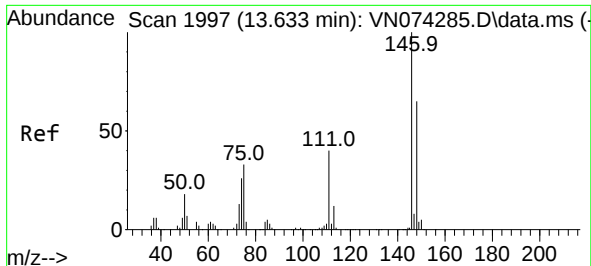
Tgt Ion: 75 Resp: 148797
Ion Ratio Lower Upper
75 100
77 1.2 98.5 295.5#



#81
trans-1,4-Dichloro-2-butene
Concen: 66.154 ug/l
RT: 12.669 min Scan# 1833
Delta R.T. 0.106 min
Lab File: VN074324.D
Acq: 03 Sep 2022 18:09

Tgt Ion: 75 Resp: 148797
Ion Ratio Lower Upper
75 100
53 0.0 78.0 117.0#
89 0.0 37.2 55.8#

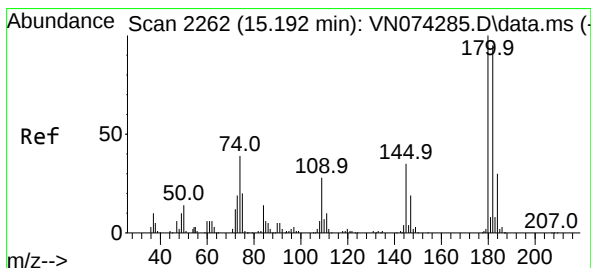
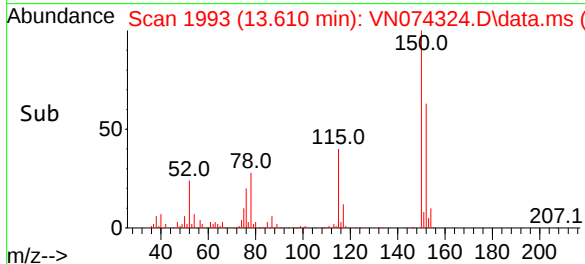
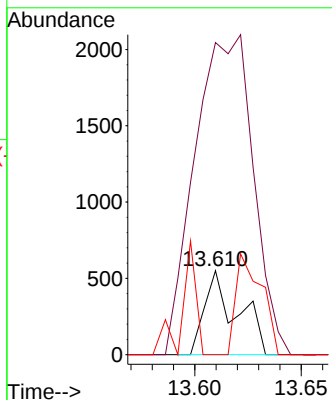
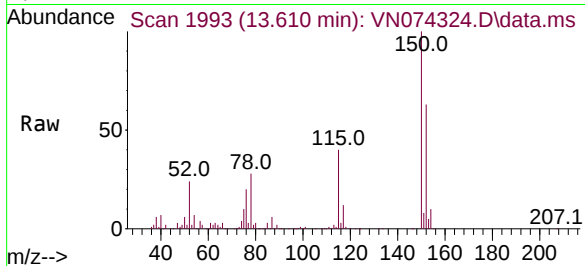




#88
 1,4-Dichlorobenzene
 Concen: 0.229 ug/l
 RT: 13.610 min Scan# 1993
 Delta R.T. -0.023 min
 Lab File: VN074324.D
 Acq: 03 Sep 2022 18:09

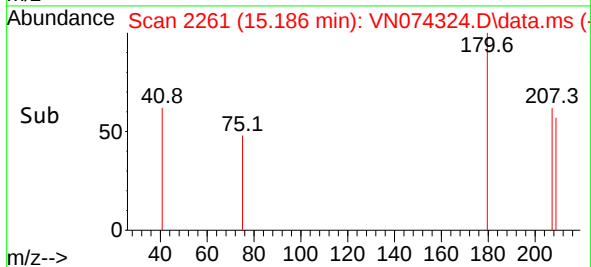
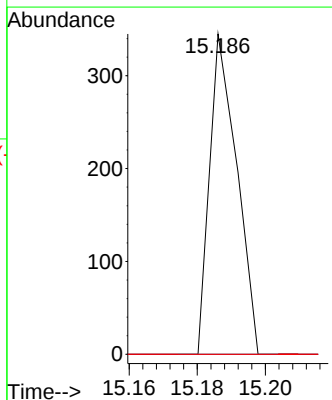
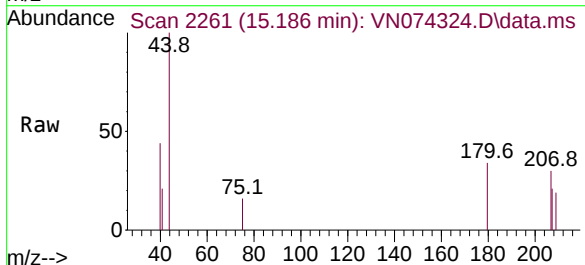
Instrument :
 MSVOA_N
 ClientSampleId :
 MW-15

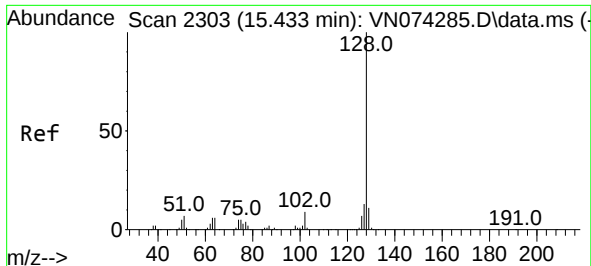
Tgt Ion:146 Resp: 584
 Ion Ratio Lower Upper
 146 100
 111 683.7 19.1 57.1#
 148 95.7 31.4 94.3#



#93
 1,2,4-Trichlorobenzene
 Concen: 0.894 ug/l
 RT: 15.186 min Scan# 2261
 Delta R.T. -0.012 min
 Lab File: VN074324.D
 Acq: 03 Sep 2022 18:09

Tgt Ion:180 Resp: 191
 Ion Ratio Lower Upper
 180 100
 182 0.0 47.5 142.5#
 145 0.0 14.5 43.5#

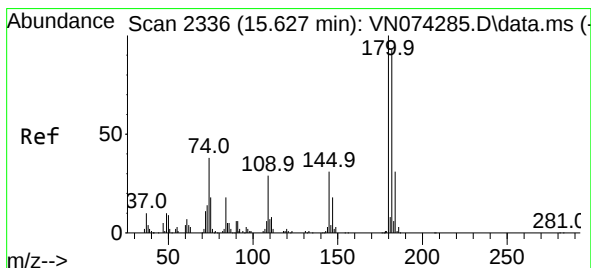
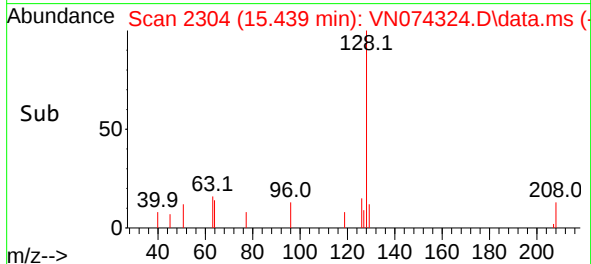
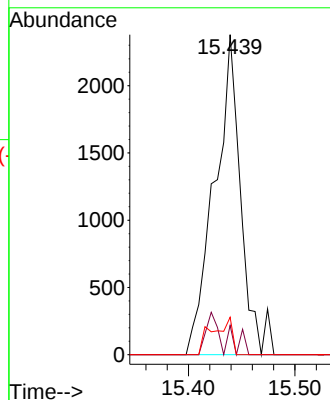
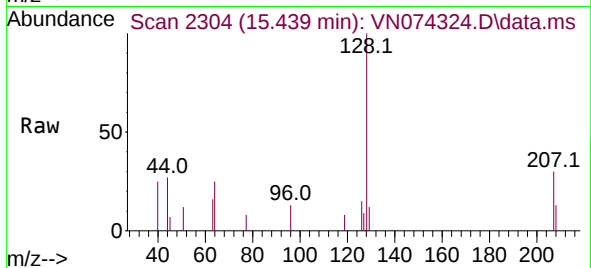




#95
Naphthalene
Concen: 0.978 ug/l
RT: 15.439 min Scan# 21
Delta R.T. 0.006 min
Lab File: VN074324.D
Acq: 03 Sep 2022 18:09

Instrument :
MSVOA_N
ClientSampleId :
MW-15

Tgt Ion:128 Resp: 4063
Ion Ratio Lower Upper
128 100
127 3.5 10.3 15.5#
129 8.8 8.6 13.0



#96
1,2,3-Trichlorobenzene
Concen: 0.423 ug/l
RT: 15.615 min Scan# 2334
Delta R.T. -0.012 min
Lab File: VN074324.D
Acq: 03 Sep 2022 18:09

Tgt Ion:180 Resp: 53
Ion Ratio Lower Upper
180 100
182 0.0 47.8 143.3#
145 0.0 15.5 46.5#

