

Data Path : Z:\voasrv\HPCHEM1\MSVOA_N\Data\VN093022\
 Data File : VN074698.D
 Acq On : 01 Oct 2022 08:27
 Operator : JC\MD
 Sample : N4882-10
 Misc : 5.0mL/MSVOA_N/WATER
 ALS Vial : 43 Sample Multiplier: 1

Instrument :
 MSVOA_N
 ClientSampleId :
 MW-119

Quant Time: Oct 03 02:13:11 2022
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA_N\methods\82N092922W.M
 Quant Title : SW846 8260
 QLast Update : Fri Sep 30 07:44:59 2022
 Response via : Initial Calibration

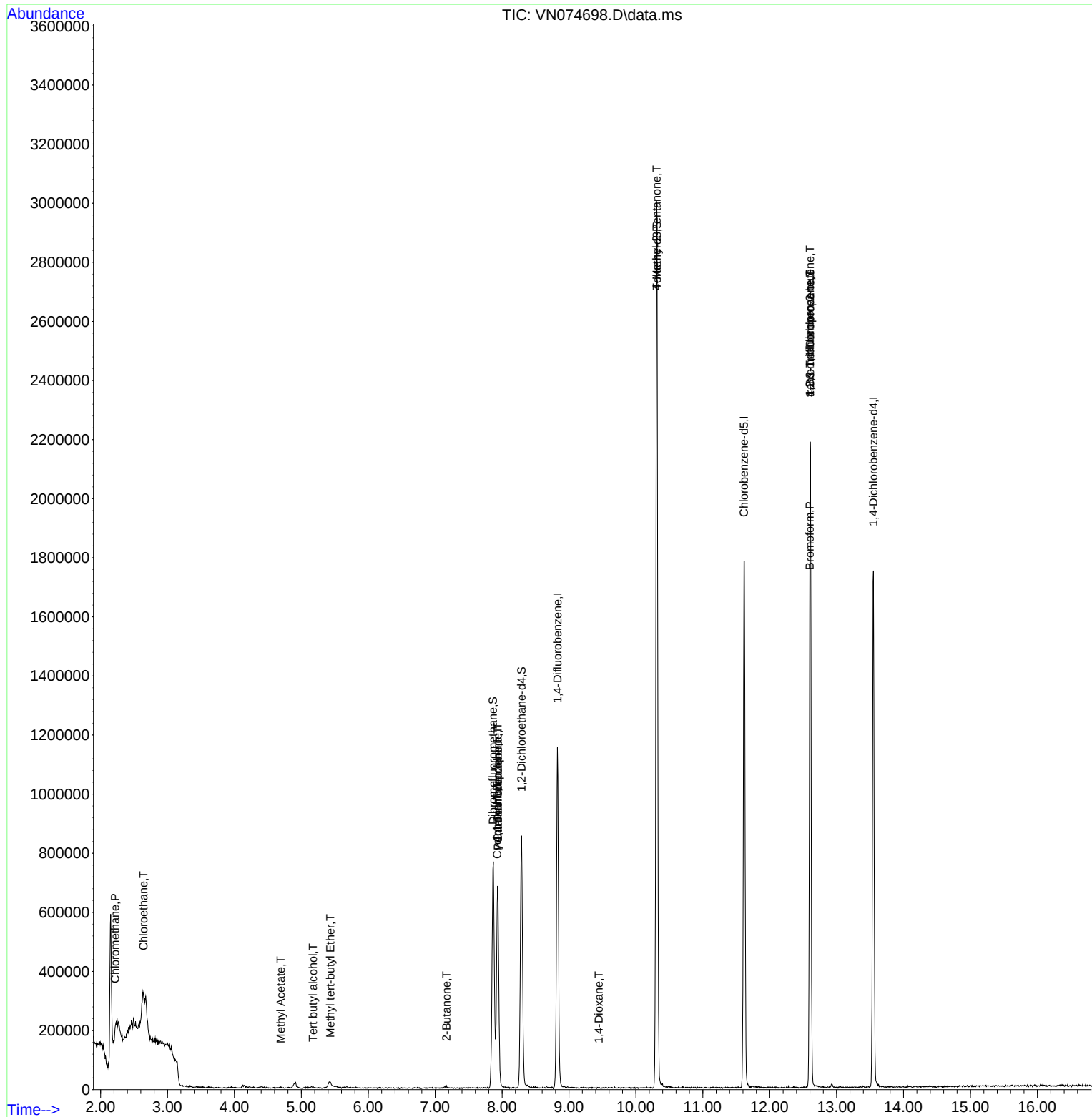
Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
Internal Standards						
1) Pentafluorobenzene	7.939	168	503992	50.000	ug/l	0.00
34) 1,4-Difluorobenzene	8.828	114	948083	50.000	ug/l	0.00
63) Chlorobenzene-d5	11.616	117	936868	50.000	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.551	152	423150	50.000	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	8.292	65	640484	50.707	ug/l	0.00
Spiked Amount	50.000	Range	74 - 125	Recovery	= 101.420%	
35) Dibromofluoromethane	7.863	113	522480	52.066	ug/l	0.00
Spiked Amount	50.000	Range	75 - 124	Recovery	= 104.140%	
50) Toluene-d8	10.316	98	1981013	46.932	ug/l	0.00
Spiked Amount	50.000	Range	86 - 113	Recovery	= 93.860%	
62) 4-Bromofluorobenzene	12.604	95	642976	48.039	ug/l	0.00
Spiked Amount	50.000	Range	83 - 123	Recovery	= 96.080%	
Target Compounds						Qvalue
3) Chloromethane	2.216	50	5288	0.343	ug/l #	79
6) Chloroethane	2.640	64	46907	2.723	ug/l #	44
8) Diethyl Ether	3.804	74	80	Below Cal		91
11) Tert butyl alcohol	5.175	59	1801	0.534	ug/l #	47
13) Acrolein	3.857	56	193	Below Cal	#	16
16) Acetone	4.146	43	10198	Below Cal		96
18) Methyl Acetate	4.693	43	5401	0.231	ug/l #	77
19) Methyl tert-butyl Ether	5.434	73	29377	0.818	ug/l	96
20) Methylene Chloride	4.893	84	11954	Below Cal	#	82
25) 2-Butanone	7.169	43	3642	0.313	ug/l	97
31) Cyclohexane	7.928	56	15950	0.777	ug/l #	52
36) 1,1-Dichloropropene	7.934	75	46893	2.918	ug/l #	50
38) Carbon Tetrachloride	7.934	117	55046	3.739	ug/l #	16
49) 1,4-Dioxane	9.445	88	76	0.254	ug/l #	1
51) 4-Methyl-2-Pentanone	10.310	43	14022	0.583	ug/l #	1
71) Bromoform	12.598	173	2999	0.374	ug/l #	28
74) N-amyl acetate	12.280	43	1309	Below Cal	#	39
75) 1,1,2,2-Tetrachloroethane	12.745	83	210	Below Cal	#	25
76) 1,2,3-Trichloropropane	12.604	75	383214	40.045	ug/l #	1
77) Bromobenzene	12.592	156	88	Below Cal	#	1
81) trans-1,4-Dichloro-2-b...	12.604	75	383214	75.680	ug/l #	10
94) Hexachlorobutadiene	15.151	225	65	Below Cal	#	18

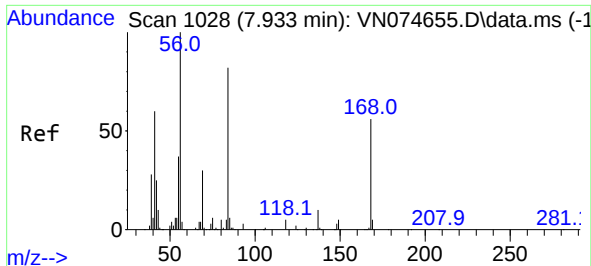
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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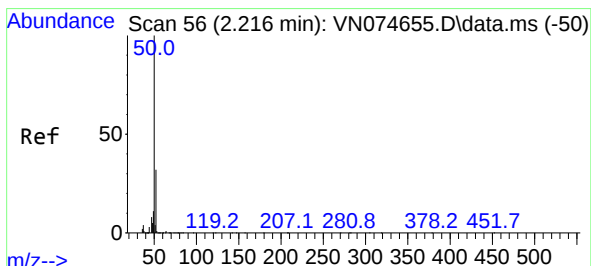
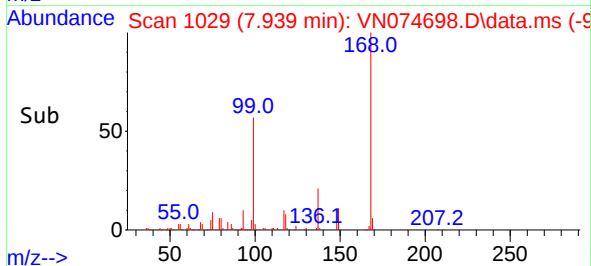
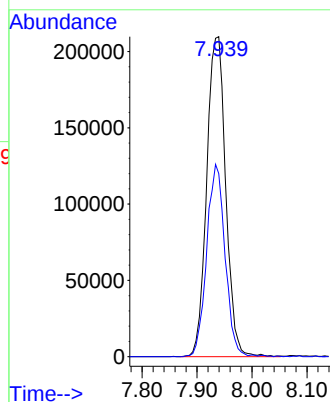
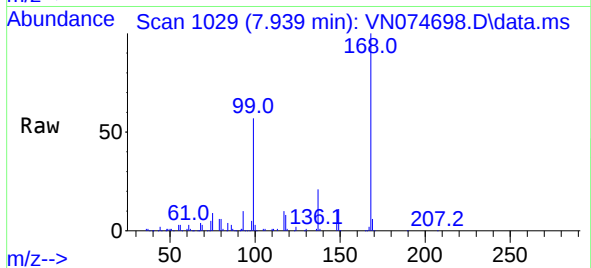




#1
Pentafluorobenzene
Concen: 50.000 ug/l
RT: 7.939 min Scan# 1028
Delta R.T. 0.006 min
Lab File: VN074698.D
Acq: 01 Oct 2022 08:27

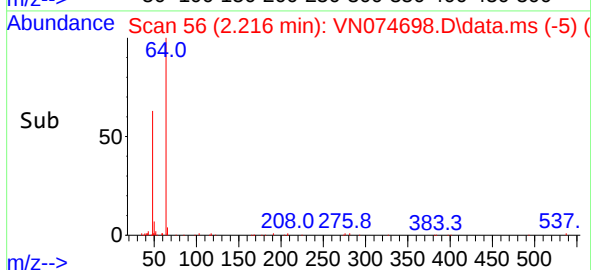
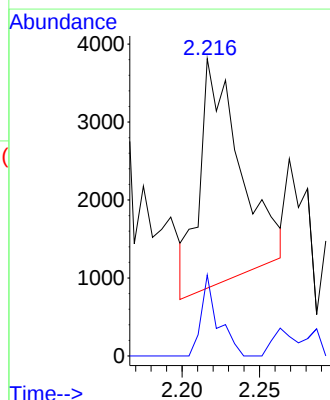
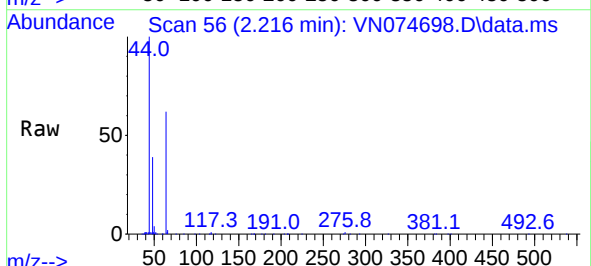
Instrument :
MSVOA_N
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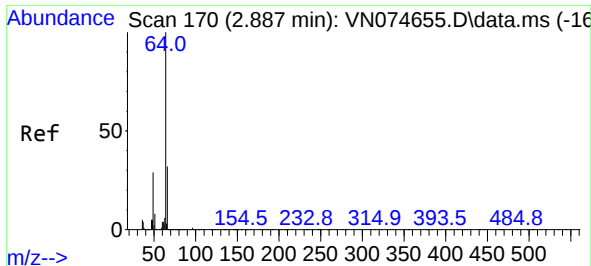
Tgt Ion:168 Resp: 503992
Ion Ratio Lower Upper
168 100
99 57.2 42.3 63.5



#3
Chloromethane
Concen: 0.343 ug/l
RT: 2.216 min Scan# 56
Delta R.T. 0.000 min
Lab File: VN074698.D
Acq: 01 Oct 2022 08:27

Tgt Ion: 50 Resp: 5288
Ion Ratio Lower Upper
50 100
52 43.8 25.7 38.5#

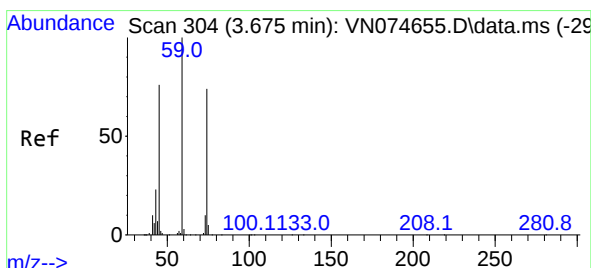
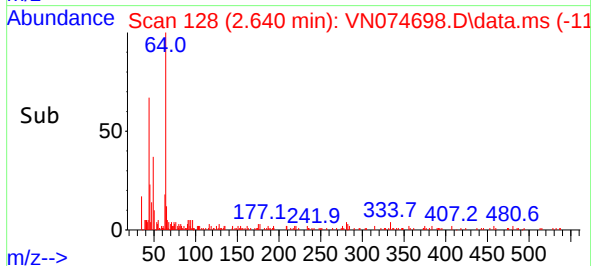
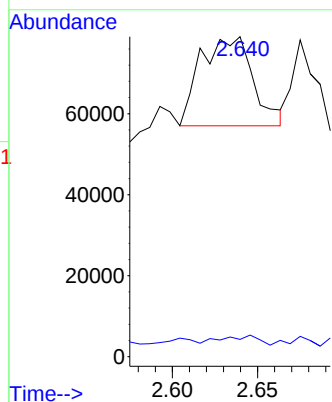
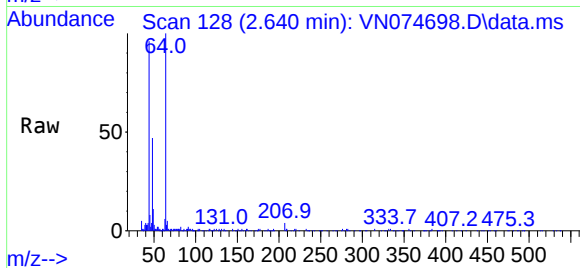




#6
Chloroethane
Concen: 2.723 ug/l
RT: 2.640 min Scan# 11
Delta R.T. -0.247 min
Lab File: VN074698.D
Acq: 01 Oct 2022 08:27

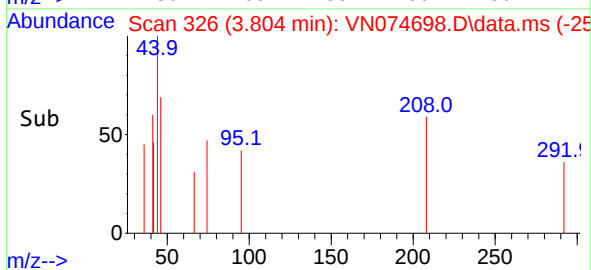
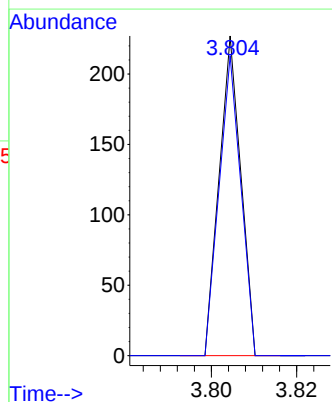
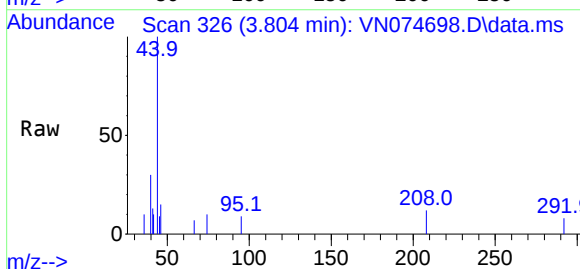
Instrument :
MSVOA_N
ClientSampleId :
MW-119

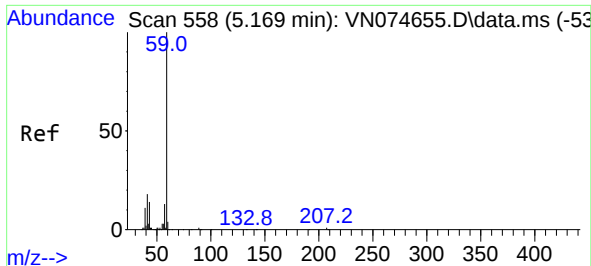
Tgt Ion: 64 Resp: 46907
Ion Ratio Lower Upper
64 100
66 1.0 26.2 39.4#



#8
Diethyl Ether
Concen: Below Cal
RT: 3.804 min Scan# 326
Delta R.T. 0.129 min
Lab File: VN074698.D
Acq: 01 Oct 2022 08:27

Tgt Ion: 74 Resp: 80
Ion Ratio Lower Upper
74 100
45 93.8 42.9 128.5

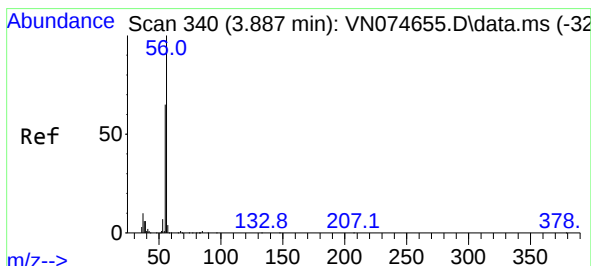
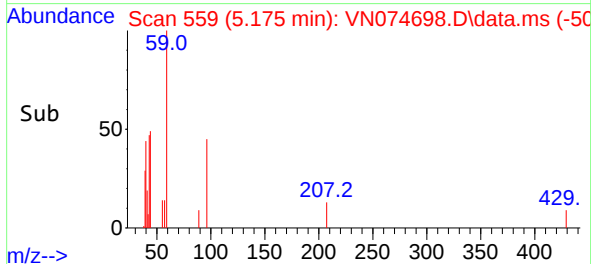
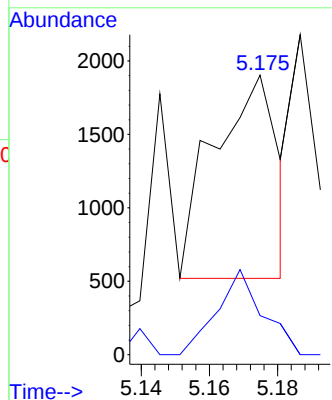
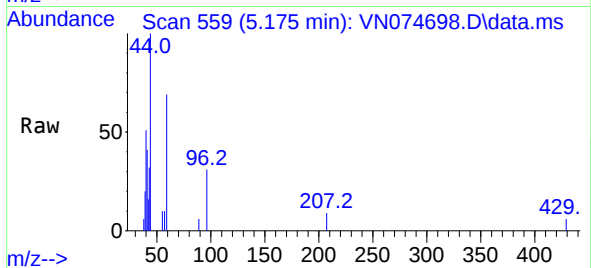




#11
Tert butyl alcohol
Concen: 0.534 ug/l
RT: 5.175 min Scan# 51
Delta R.T. 0.006 min
Lab File: VN074698.D
Acq: 01 Oct 2022 08:27

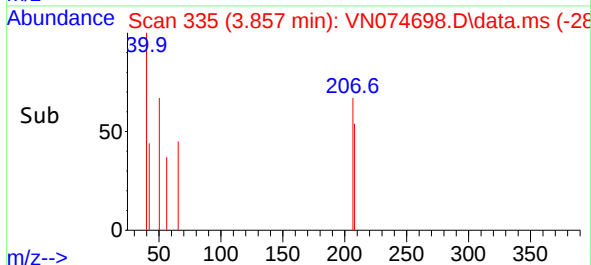
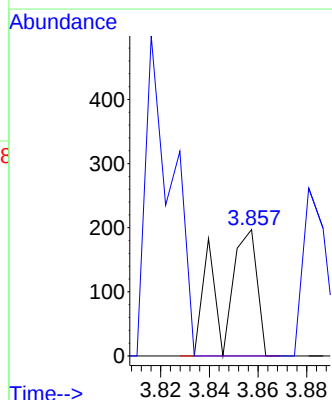
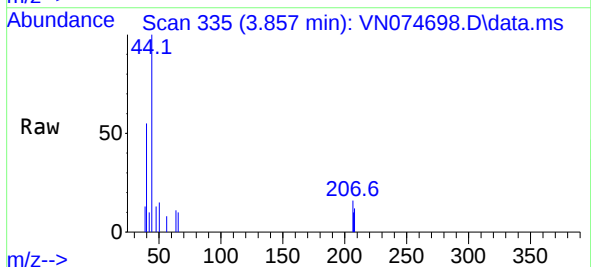
Instrument :
MSVOA_N
ClientSampleId :
MW-119

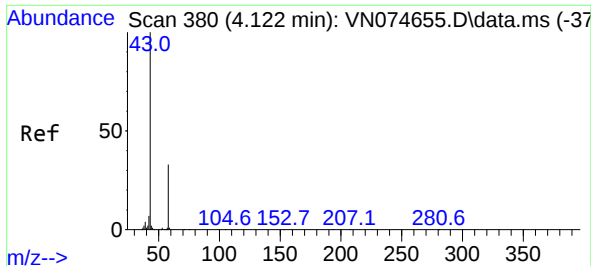
Tgt Ion: 59 Resp: 1801
Ion Ratio Lower Upper
59 100
57 30.0 8.3 12.5#



#13
Acrolein
Concen: Below Cal
RT: 3.857 min Scan# 335
Delta R.T. -0.030 min
Lab File: VN074698.D
Acq: 01 Oct 2022 08:27

Tgt Ion: 56 Resp: 193
Ion Ratio Lower Upper
56 100
55 0.0 54.8 82.2#

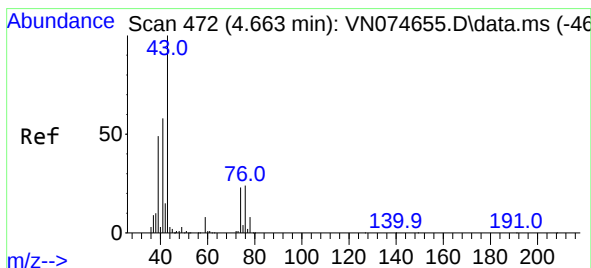
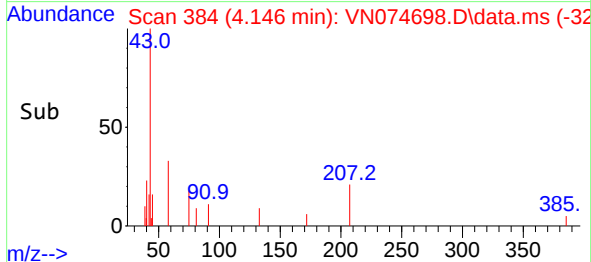
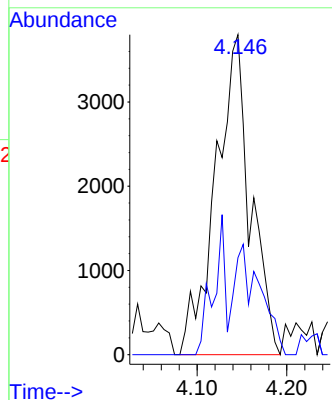
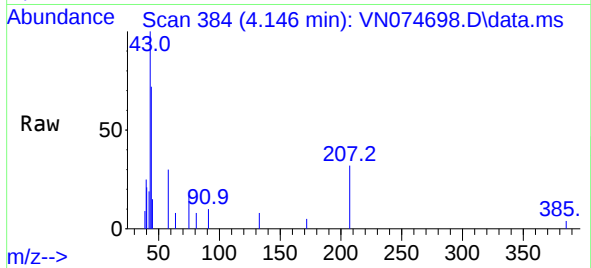




#16
Acetone
Concen: Below Cal
RT: 4.146 min Scan# 384
Delta R.T. 0.024 min
Lab File: VN074698.D
Acq: 01 Oct 2022 08:27

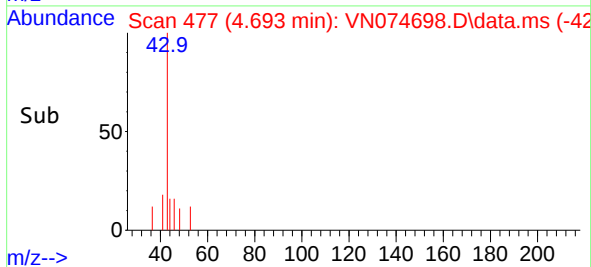
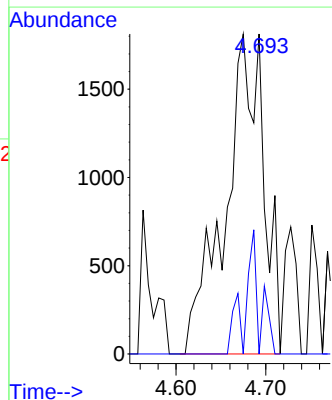
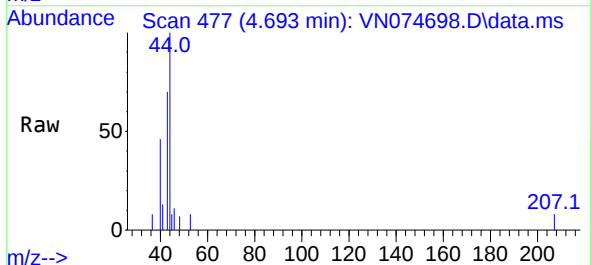
Instrument :
MSVOA_N
ClientSampleId :
MW-119

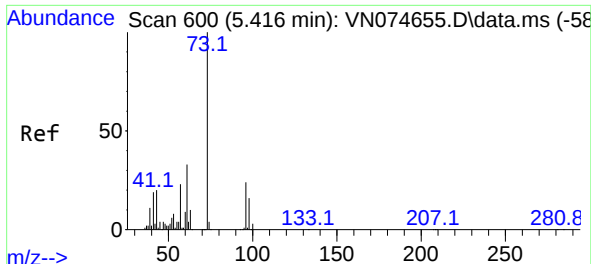
Tgt Ion: 43 Resp: 10198
Ion Ratio Lower Upper
43 100
58 30.3 26.0 39.0



#18
Methyl Acetate
Concen: 0.231 ug/l
RT: 4.693 min Scan# 477
Delta R.T. 0.030 min
Lab File: VN074698.D
Acq: 01 Oct 2022 08:27

Tgt Ion: 43 Resp: 5401
Ion Ratio Lower Upper
43 100
74 15.2 21.6 32.4#





#19

Methyl tert-butyl Ether

Concen: 0.818 ug/l

RT: 5.434 min Scan# 600

Delta R.T. 0.018 min

Lab File: VN074698.D

Acq: 01 Oct 2022 08:27

Instrument :

MSVOA_N

ClientSampleId :

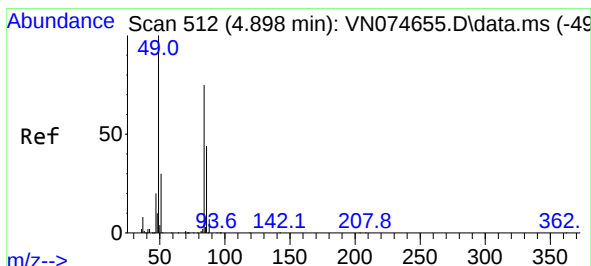
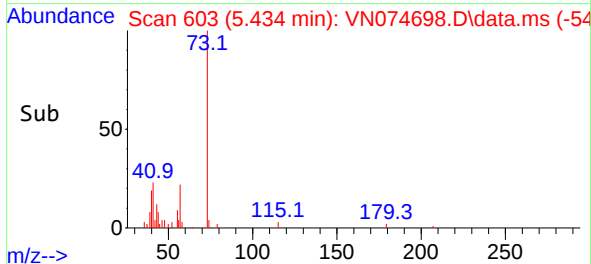
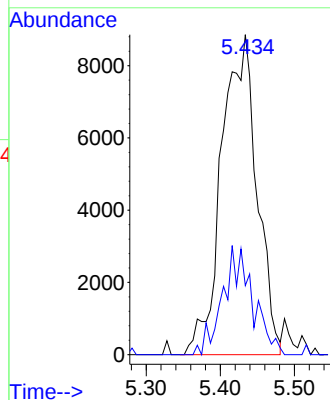
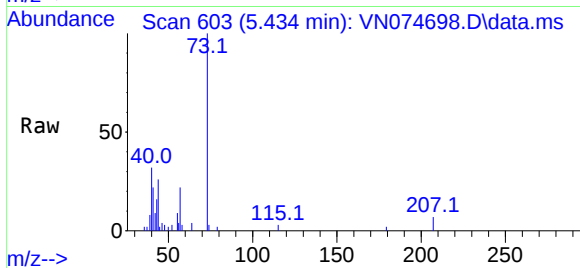
MW-119

Tgt Ion: 73 Resp: 29377

Ion Ratio Lower Upper

73 100

57 19.9 17.6 26.4



#20

Methylene Chloride

Concen: Below Cal

RT: 4.893 min Scan# 511

Delta R.T. -0.005 min

Lab File: VN074698.D

Acq: 01 Oct 2022 08:27

Tgt Ion: 84 Resp: 11954

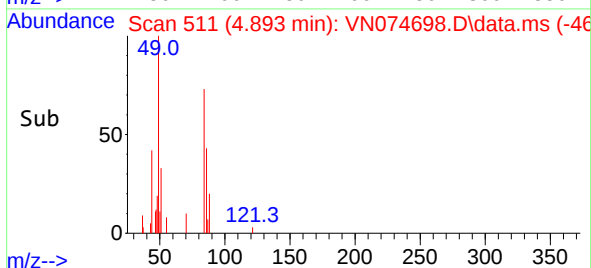
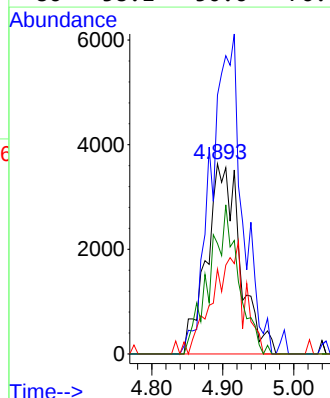
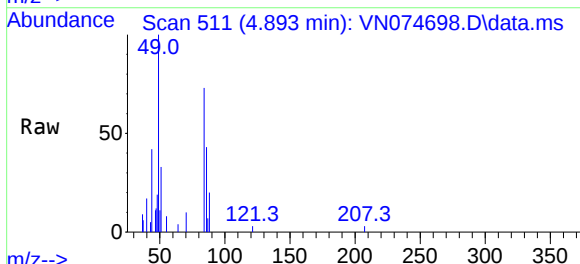
Ion Ratio Lower Upper

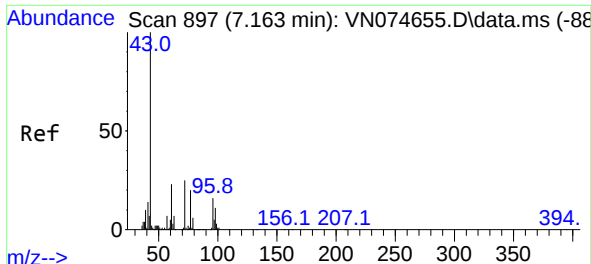
84 100

49 136.3 88.3 132.5#

51 44.7 28.2 42.2#

86 58.1 50.6 76.0

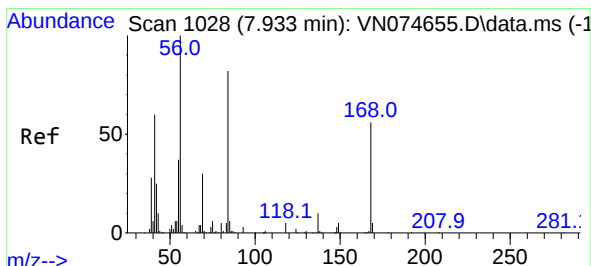
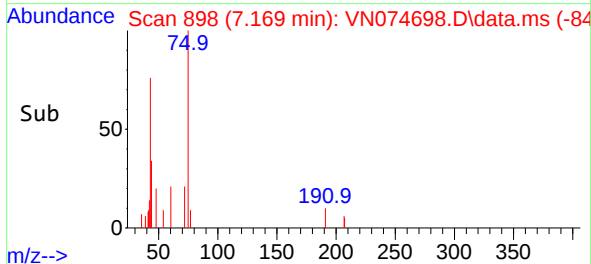
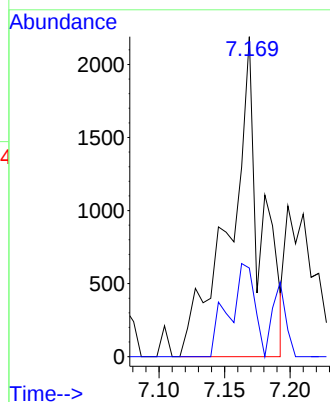
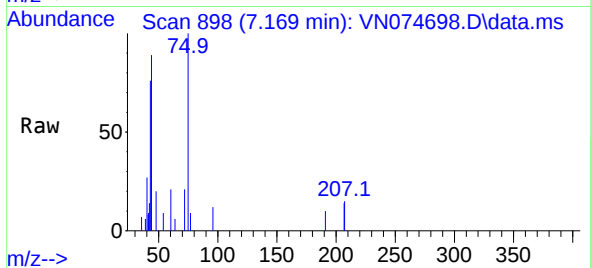




#25
2-Butanone
Concen: 0.313 ug/l
RT: 7.169 min Scan# 897
Delta R.T. 0.006 min
Lab File: VN074698.D
Acq: 01 Oct 2022 08:27

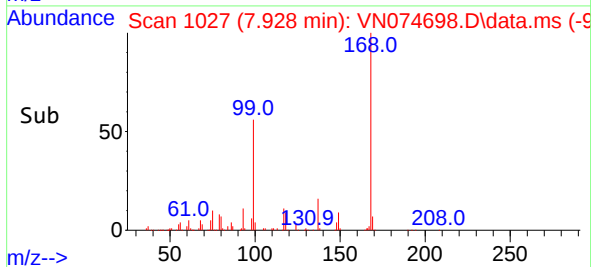
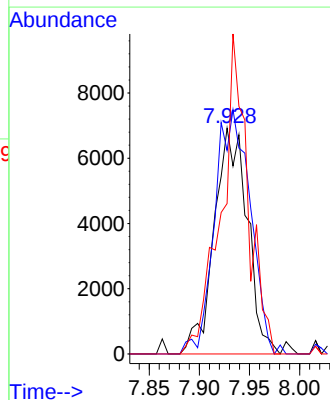
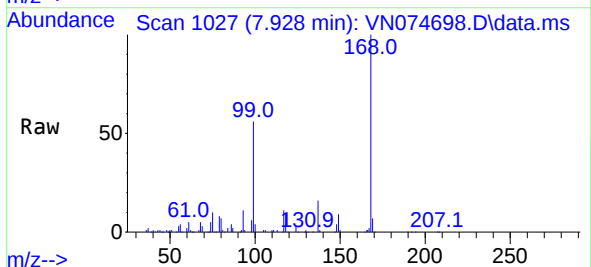
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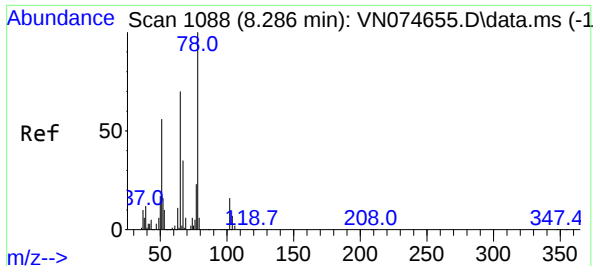
Tgt Ion: 43 Resp: 3642
Ion Ratio Lower Upper
43 100
72 27.7 23.7 35.5



#31
Cyclohexane
Concen: 0.777 ug/l
RT: 7.928 min Scan# 1027
Delta R.T. -0.005 min
Lab File: VN074698.D
Acq: 01 Oct 2022 08:27

Tgt Ion: 56 Resp: 15950
Ion Ratio Lower Upper
56 100
69 90.2 27.8 41.8#
84 66.7 76.9 115.3#

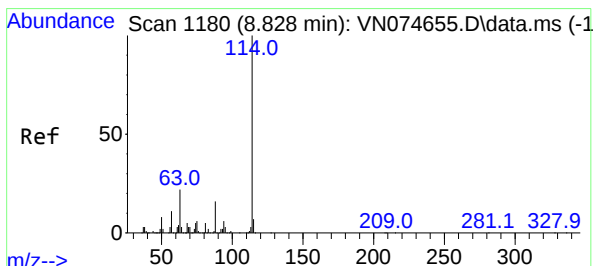
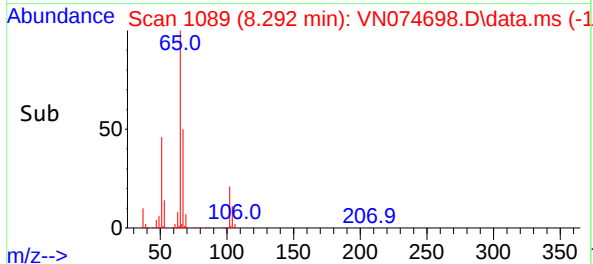
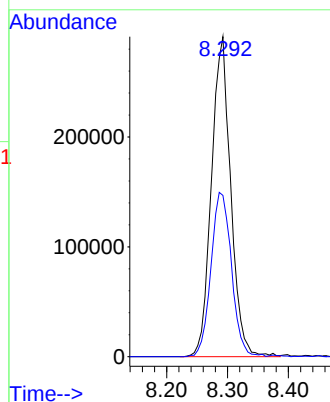
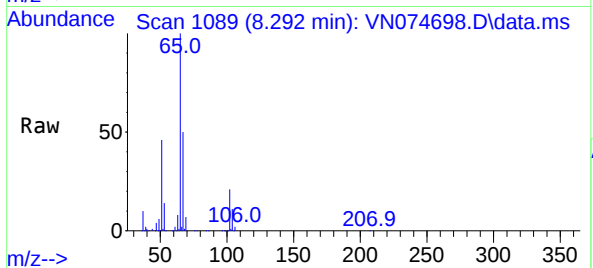




#33
1,2-Dichloroethane-d4
Concen: 50.707 ug/l
RT: 8.292 min Scan# 1088
Delta R.T. 0.006 min
Lab File: VN074698.D
Acq: 01 Oct 2022 08:27

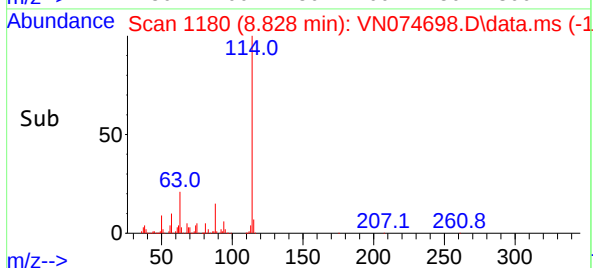
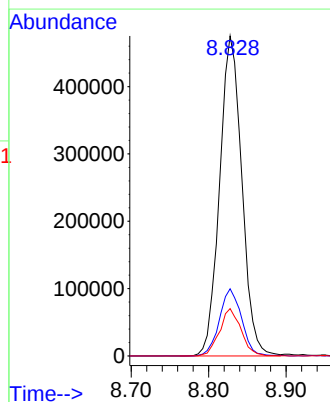
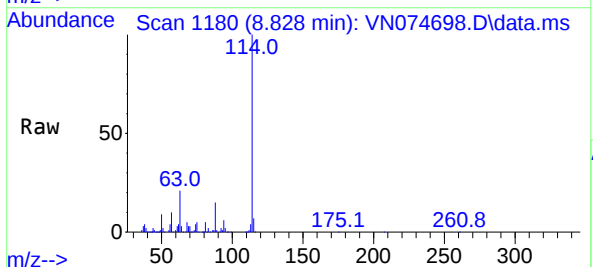
Instrument :
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ClientSampleId :
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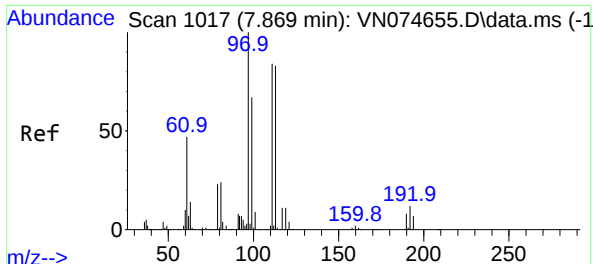
Tgt Ion: 65 Resp: 640484
Ion Ratio Lower Upper
65 100
67 54.6 0.0 104.8



#34
1,4-Difluorobenzene
Concen: 50.000 ug/l
RT: 8.828 min Scan# 1180
Delta R.T. -0.000 min
Lab File: VN074698.D
Acq: 01 Oct 2022 08:27

Tgt Ion: 114 Resp: 948083
Ion Ratio Lower Upper
114 100
63 21.0 0.0 40.0
88 14.8 0.0 32.6

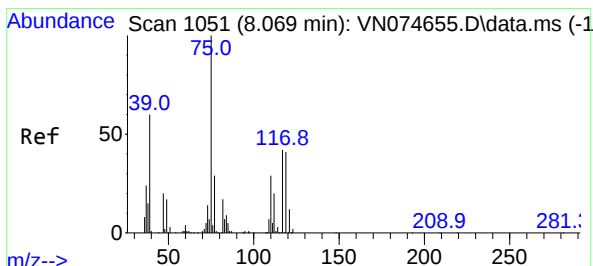
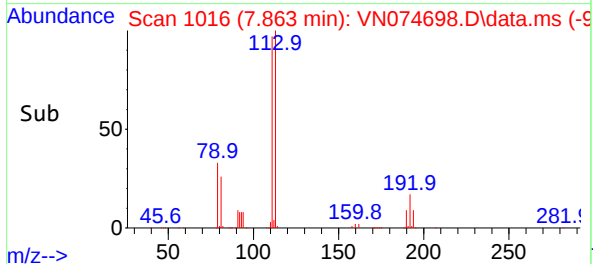
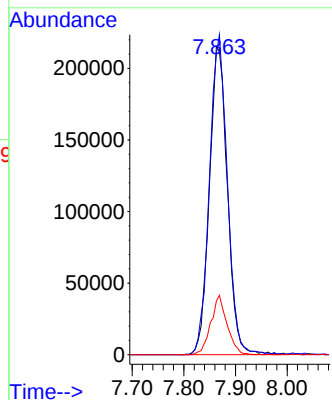
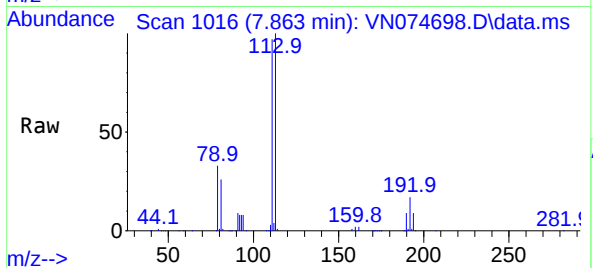




#35
Dibromofluoromethane
Concen: 52.066 ug/l
RT: 7.863 min Scan# 1028
Delta R.T. -0.006 min
Lab File: VN074698.D
Acq: 01 Oct 2022 08:27

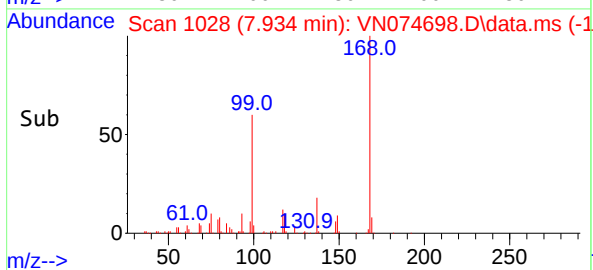
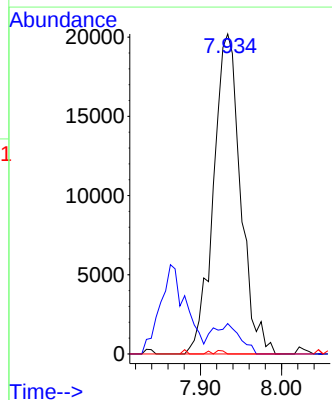
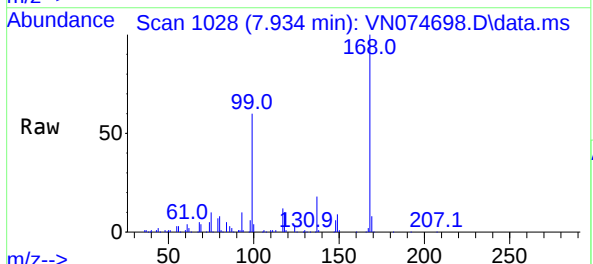
Instrument :
MSVOA_N
ClientSampleId :
MW-119

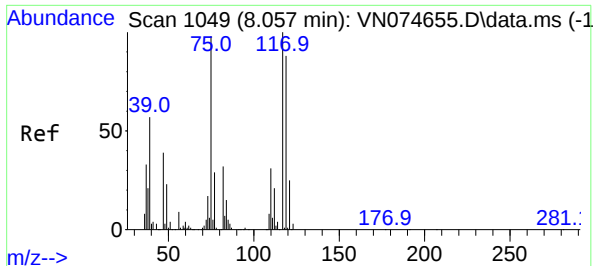
Tgt Ion:113 Resp: 522480
Ion Ratio Lower Upper
113 100
111 103.1 81.4 122.0
192 17.3 17.0 25.6



#36
1,1-Dichloropropene
Concen: 2.918 ug/l
RT: 7.934 min Scan# 1028
Delta R.T. -0.136 min
Lab File: VN074698.D
Acq: 01 Oct 2022 08:27

Tgt Ion: 75 Resp: 46893
Ion Ratio Lower Upper
75 100
110 9.6 18.3 54.8#
77 0.5 25.1 37.7#

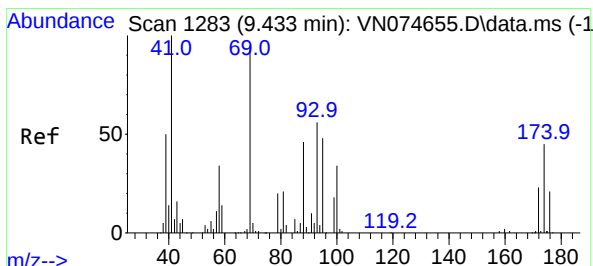
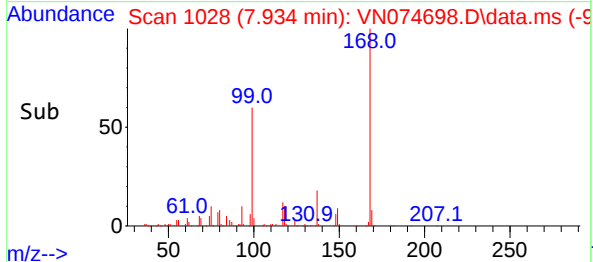
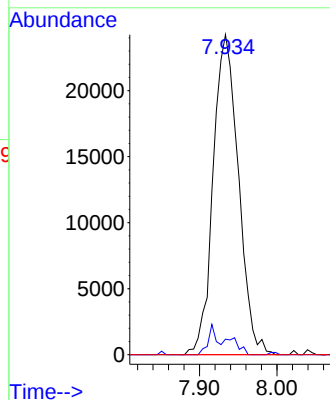
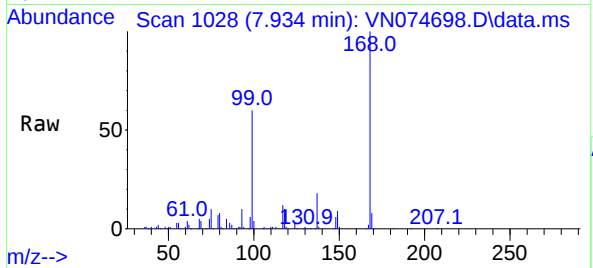




#38
Carbon Tetrachloride
Concen: 3.739 ug/l
RT: 7.934 min Scan# 117
Delta R.T. -0.123 min
Lab File: VN074698.D
Acq: 01 Oct 2022 08:27

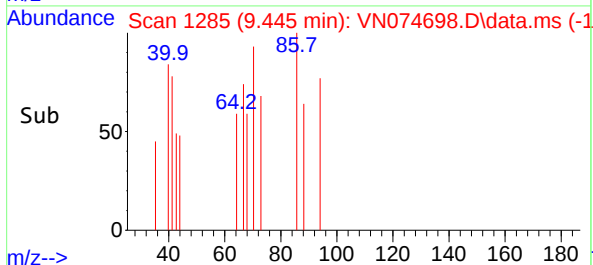
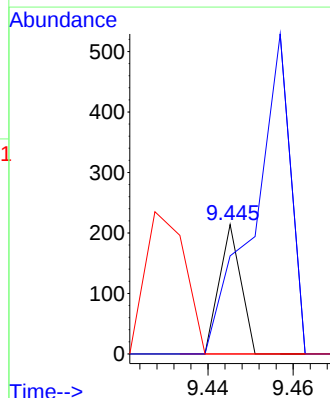
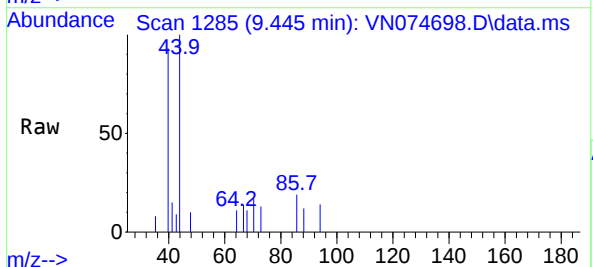
Instrument :
MSVOA_N
ClientSampleId :
MW-119

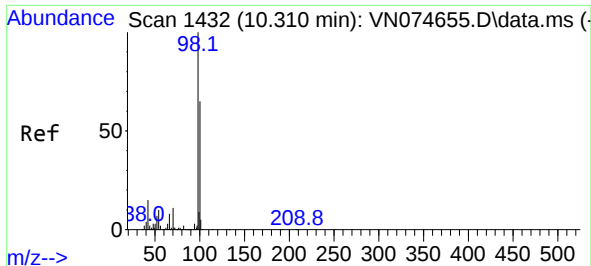
Tgt Ion:117 Resp: 55046
Ion Ratio Lower Upper
117 100
119 4.9 75.8 113.8#
121 0.0 24.6 37.0#



#49
1,4-Dioxane
Concen: 0.254 ug/l
RT: 9.445 min Scan# 1285
Delta R.T. 0.012 min
Lab File: VN074698.D
Acq: 01 Oct 2022 08:27

Tgt Ion: 88 Resp: 76
Ion Ratio Lower Upper
88 100
43 410.5 20.2 30.4#
58 0.0 54.2 81.4#

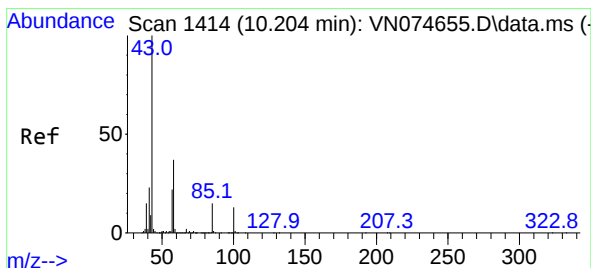
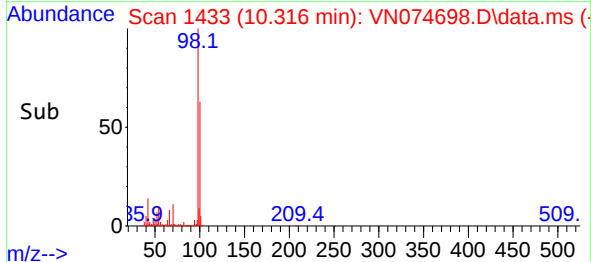
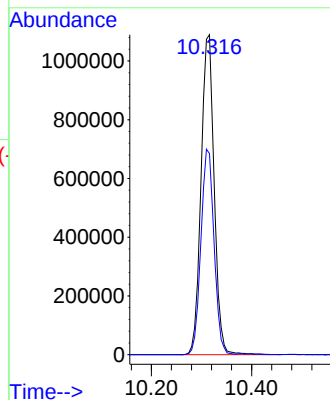
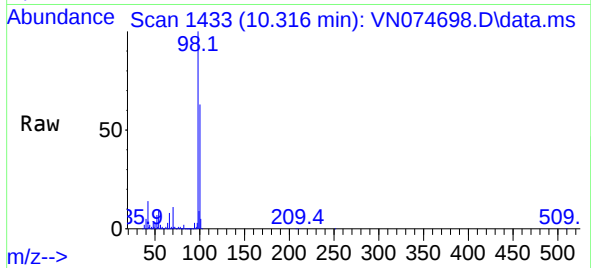




#50
Toluene-d8
Concen: 46.932 ug/l
RT: 10.316 min Scan# 1432
Delta R.T. 0.006 min
Lab File: VN074698.D
Acq: 01 Oct 2022 08:27

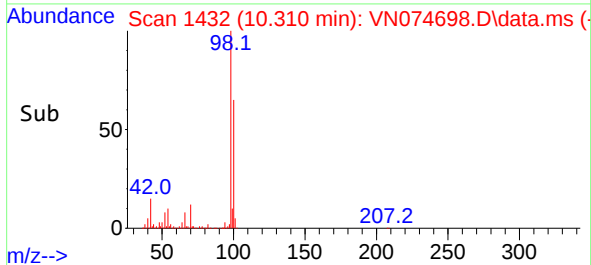
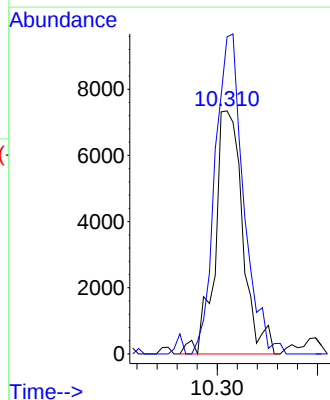
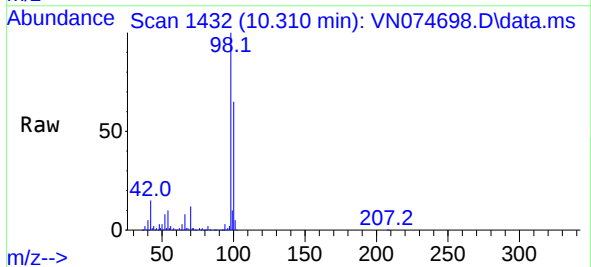
Instrument :
MSVOA_N
ClientSampleId :
MW-119

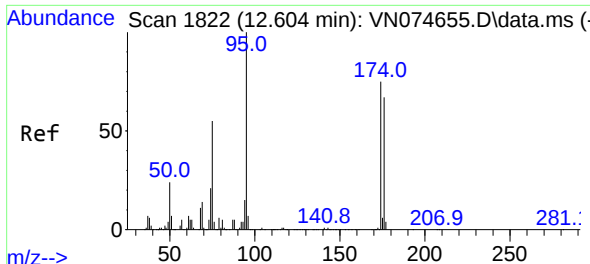
Tgt Ion: 98 Resp: 1981013
Ion Ratio Lower Upper
98 100
100 64.2 52.6 78.8



#51
4-Methyl-2-Pentanone
Concen: 0.583 ug/l
RT: 10.310 min Scan# 1432
Delta R.T. 0.106 min
Lab File: VN074698.D
Acq: 01 Oct 2022 08:27

Tgt Ion: 43 Resp: 14022
Ion Ratio Lower Upper
43 100
58 135.6 34.1 51.1#

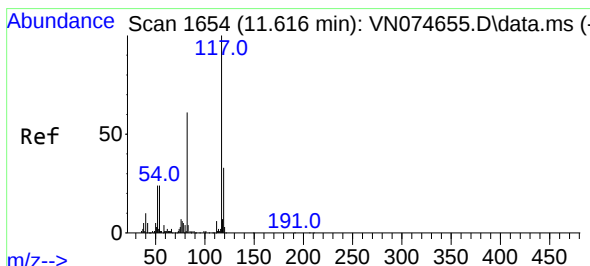
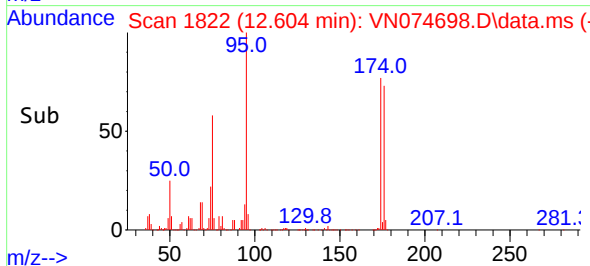
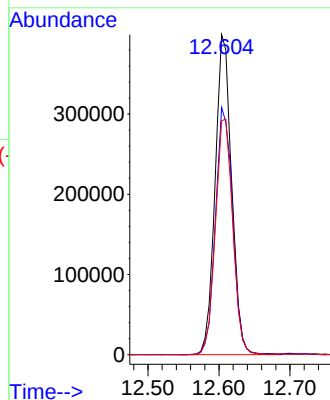
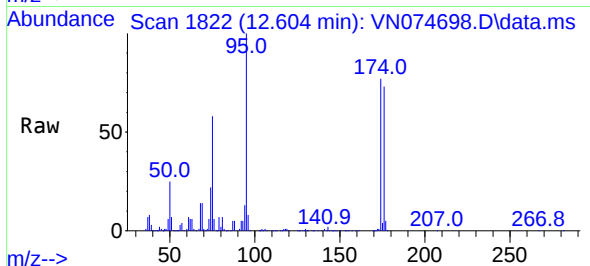




#62
4-Bromofluorobenzene
Concen: 48.039 ug/l
RT: 12.604 min Scan# 1822
Delta R.T. -0.000 min
Lab File: VN074698.D
Acq: 01 Oct 2022 08:27

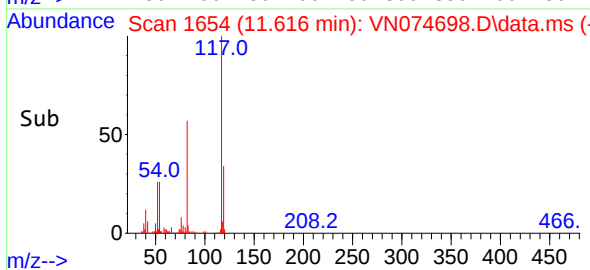
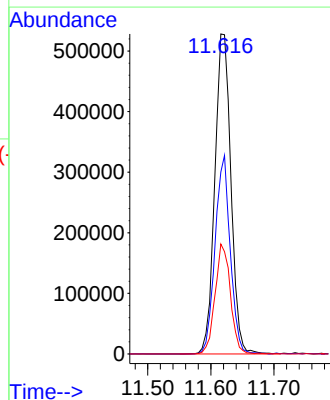
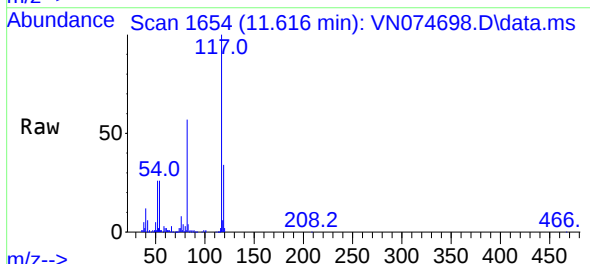
Instrument :
MSVOA_N
ClientSampleId :
MW-119

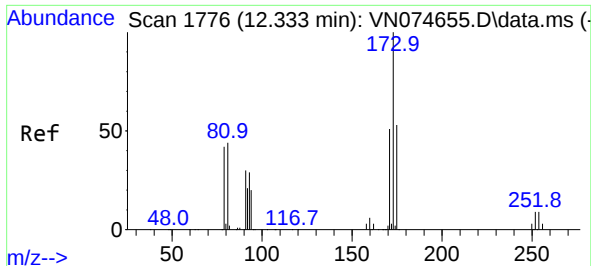
Tgt Ion: 95 Resp: 642976
Ion Ratio Lower Upper
95 100
174 80.6 0.0 167.6
176 77.0 0.0 163.4



#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 11.616 min Scan# 1654
Delta R.T. -0.000 min
Lab File: VN074698.D
Acq: 01 Oct 2022 08:27

Tgt Ion: 117 Resp: 936868
Ion Ratio Lower Upper
117 100
82 56.8 44.2 66.2
119 34.4 25.4 38.0

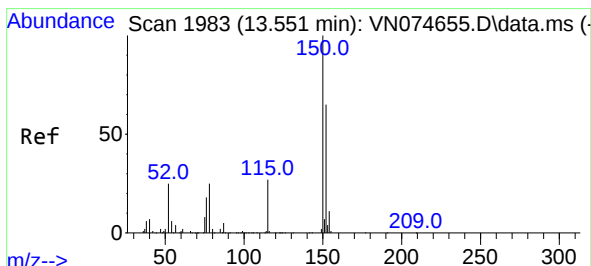
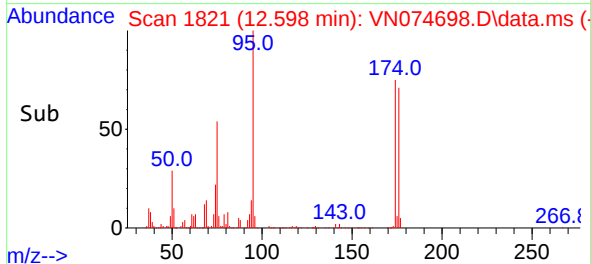
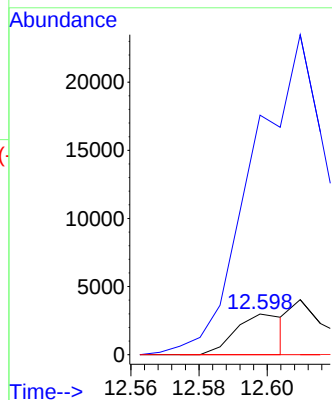
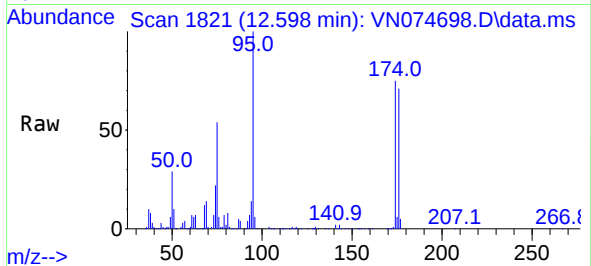




#71
Bromoform
Concen: 0.374 ug/l
RT: 12.598 min Scan# 1821
Delta R.T. 0.265 min
Lab File: VN074698.D
Acq: 01 Oct 2022 08:27

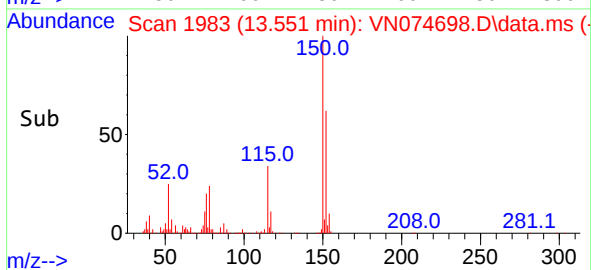
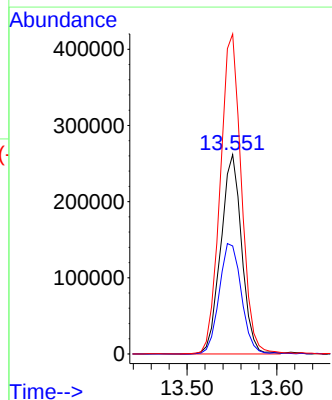
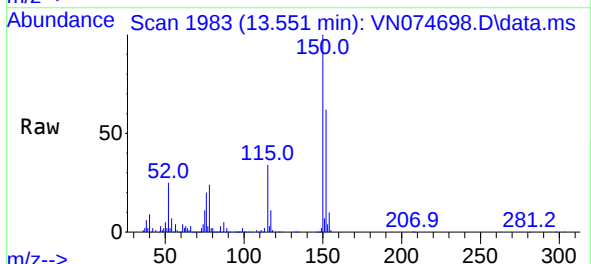
Instrument :
MSVOA_N
ClientSampleId :
MW-119

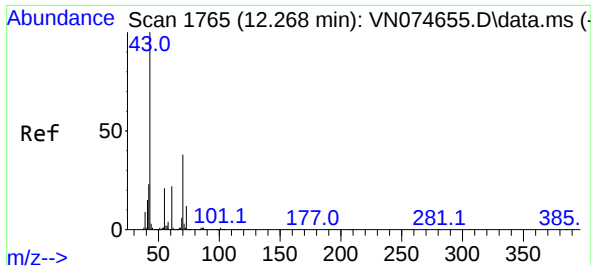
Tgt Ion:173 Resp: 2999
Ion Ratio Lower Upper
173 100
175 0.0 24.6 73.6#
254 0.0 0.1 0.1#



#72
1,4-Dichlorobenzene-d4
Concen: 50.000 ug/l
RT: 13.551 min Scan# 1983
Delta R.T. -0.000 min
Lab File: VN074698.D
Acq: 01 Oct 2022 08:27

Tgt Ion:152 Resp: 423150
Ion Ratio Lower Upper
152 100
115 59.1 28.9 86.7
150 162.3 0.0 356.2

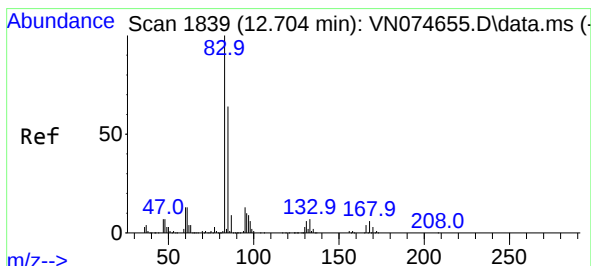
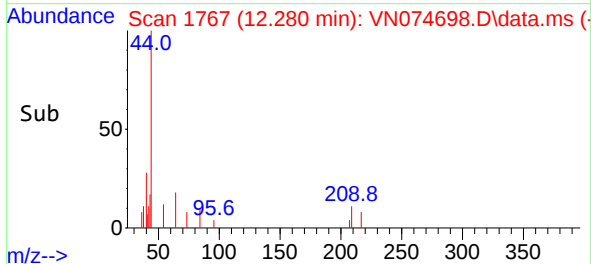
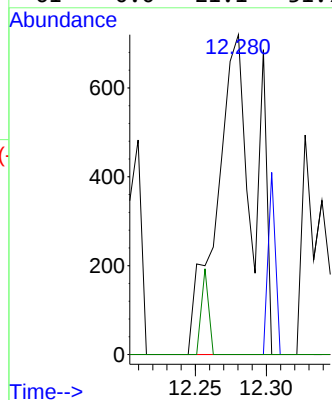
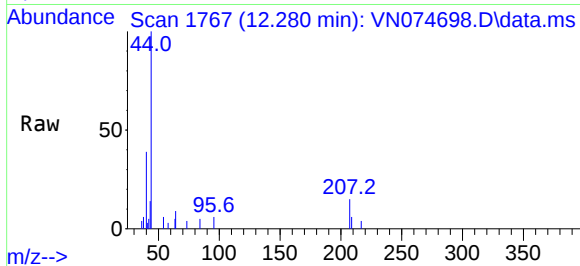




#74
N-amy1 acetate
Concen: Below Cal
RT: 12.280 min Scan# 11
Delta R.T. 0.012 min
Lab File: VN074698.D
Acq: 01 Oct 2022 08:27

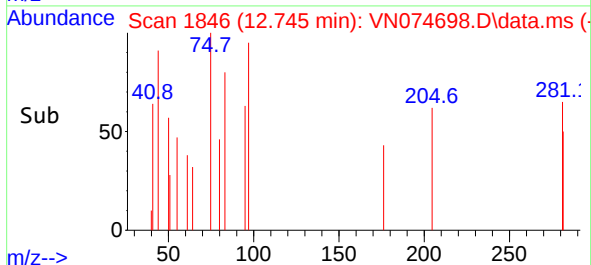
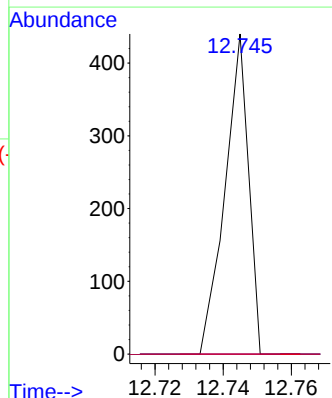
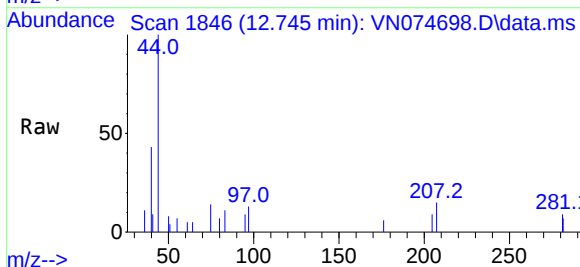
Instrument :
MSVOA_N
ClientSampleId :
MW-119

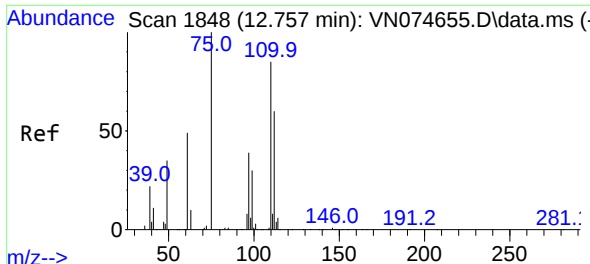
Tgt Ion:	43	Resp:	1309
Ion	Ratio	Lower	Upper
43	100		
70	0.0	39.0	58.4#
55	0.0	21.1	31.7#
61	0.0	21.1	31.7#



#75
1,1,2,2-Tetrachloroethane
Concen: Below Cal
RT: 12.745 min Scan# 1846
Delta R.T. 0.041 min
Lab File: VN074698.D
Acq: 01 Oct 2022 08:27

Tgt Ion:	83	Resp:	210
Ion	Ratio	Lower	Upper
83	100		
131	0.0	5.3	15.9#
85	0.0	32.3	96.9#

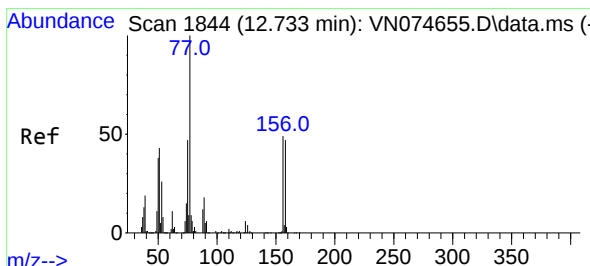
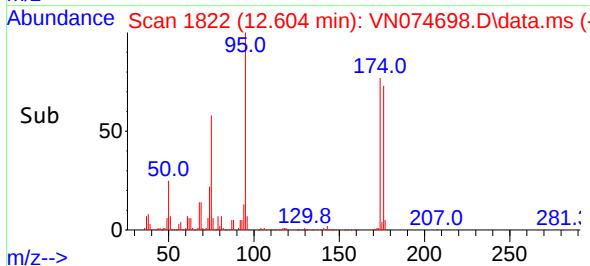
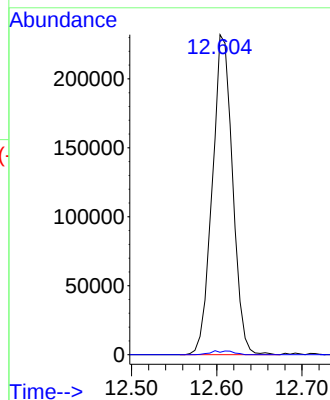
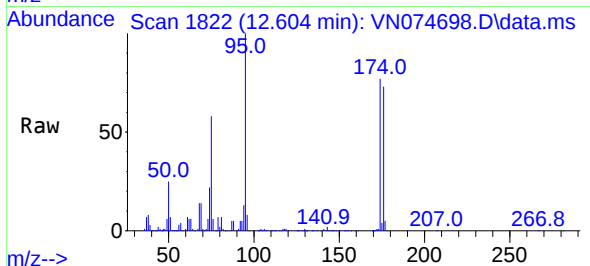




#76
1,2,3-Trichloropropane
Concen: 40.045 ug/l
RT: 12.604 min Scan# 1822
Delta R.T. -0.153 min
Lab File: VN074698.D
Acq: 01 Oct 2022 08:27

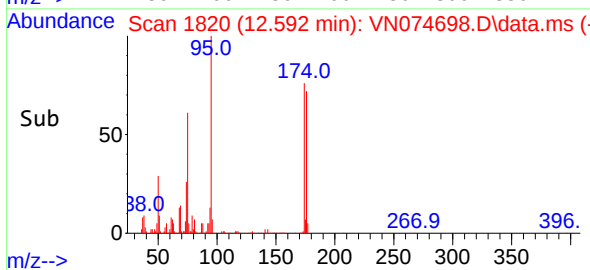
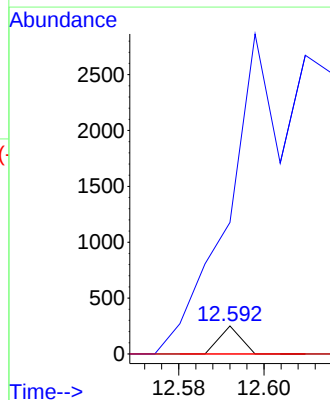
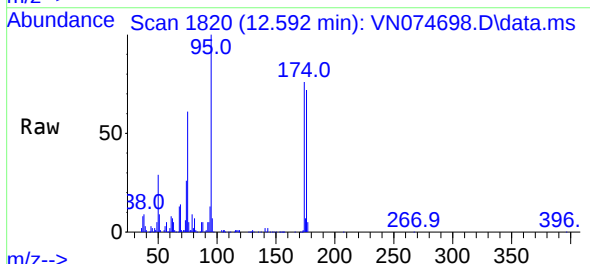
Instrument :
MSVOA_N
ClientSampleId :
MW-119

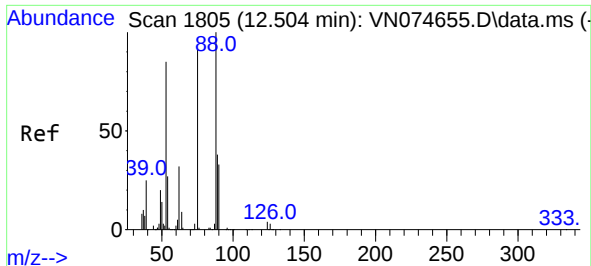
Tgt Ion: 75 Resp: 383214
Ion Ratio Lower Upper
75 100
77 1.3 98.5 295.5#



#77
Bromobenzene
Concen: Below Cal
RT: 12.592 min Scan# 1820
Delta R.T. -0.141 min
Lab File: VN074698.D
Acq: 01 Oct 2022 08:27

Tgt Ion:156 Resp: 88
Ion Ratio Lower Upper
156 100
77 5621.6 100.5 301.5#
158 0.0 48.9 146.6#

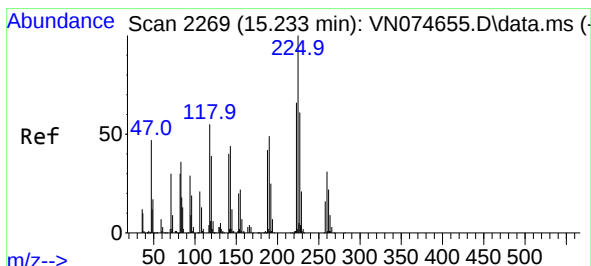
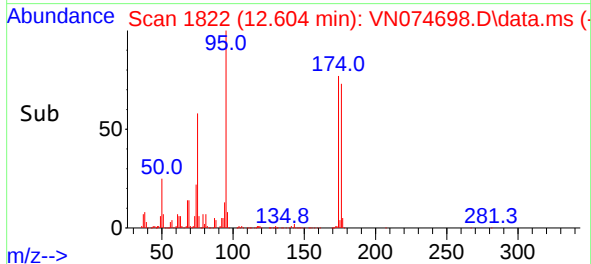
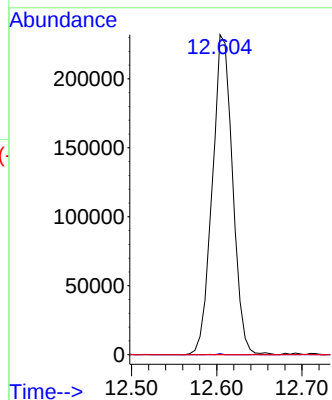
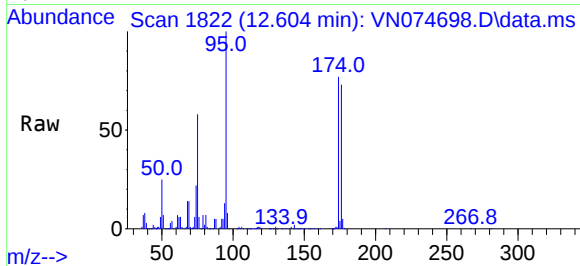




#81
trans-1,4-Dichloro-2-butene
Concen: 75.680 ug/l
RT: 12.604 min Scan# 11
Delta R.T. 0.100 min
Lab File: VN074698.D
Acq: 01 Oct 2022 08:27

Instrument :
MSVOA_N
ClientSampleId :
MW-119

Tgt Ion: 75 Resp: 383214
Ion Ratio Lower Upper
75 100
53 0.1 78.0 117.0#
89 0.0 37.2 55.8#



#94
Hexachlorobutadiene
Concen: Below Cal
RT: 15.151 min Scan# 2255
Delta R.T. -0.082 min
Lab File: VN074698.D
Acq: 01 Oct 2022 08:27

Tgt Ion: 225 Resp: 65
Ion Ratio Lower Upper
225 100
223 0.0 32.4 97.2#
227 0.0 31.8 95.4#

