

Data Path : Z:\voasrv\HPCHEM1\MSVOA_N\Data\VN110223\
 Data File : VN079794.D
 Acq On : 02 Nov 2023 14:00
 Operator : JC\MD
 Sample : PB156789TB
 Misc : 5.0mL/MSVOA_N/WATER
 ALS Vial : 10 Sample Multiplier: 1

Instrument :
 MSVOA_N
 ClientSampleId :
 PB156789TB

Quant Time: Nov 03 04:00:38 2023
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA_N\methods\82N110123W.M
 Quant Title : SW846 8260
 QLast Update : Thu Nov 02 05:49:08 2023
 Response via : Initial Calibration

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

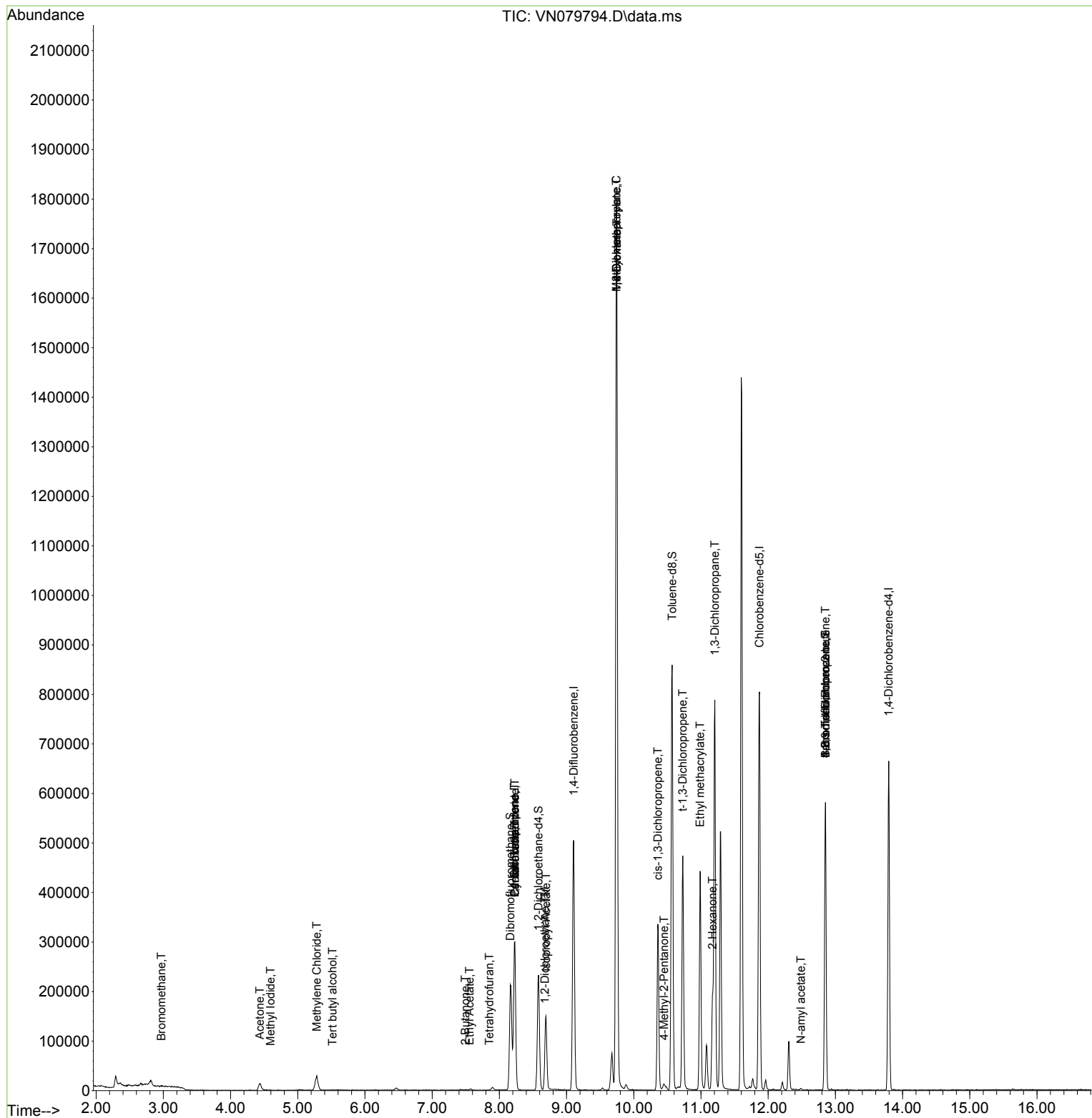
Internal Standards						
1) Pentafluorobenzene	8.230	168	209278	50.000	ug/l	0.00
34) 1,4-Difluorobenzene	9.106	114	418283	50.000	ug/l	0.00
63) Chlorobenzene-d5	11.871	117	451433	50.000	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.794	152	168310	50.000	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	8.582	65	188778	59.207	ug/l	0.00
Spiked Amount 50.000	Range 74 - 125		Recovery = 118.420%			
35) Dibromofluoromethane	8.165	113	153919	51.992	ug/l	0.00
Spiked Amount 50.000	Range 75 - 124		Recovery = 103.980%			
50) Toluene-d8	10.571	98	583934	53.580	ug/l	0.00
Spiked Amount 50.000	Range 86 - 113		Recovery = 107.160%			
62) 4-Bromofluorobenzene	12.853	95	192449	53.244	ug/l	0.00
Spiked Amount 50.000	Range 83 - 123		Recovery = 106.480%			
Target Compounds						Qvalue
3) Chloromethane	2.359	50	1791	Below Cal		91
5) Bromomethane	2.971	94	702	0.350 ug/l #		32
10) Methyl Iodide	4.595	142	734	0.270 ug/l #		28
11) Tert butyl alcohol	5.518	59	87	0.214 ug/l #		72
16) Acetone	4.436	43	26245	23.434 ug/l		96
20) Methylene Chloride	5.283	84	20805	7.362 ug/l		90
25) 2-Butanone	7.494	43	1641	1.001 ug/l #		37
29) Tetrahydrofuran	7.853	42	395	0.370 ug/l #		20
31) Cyclohexane	8.230	56	6191	1.469 ug/l #		45
36) 1,1-Dichloropropene	8.224	75	19786	4.681 ug/l #		49
37) Ethyl Acetate	7.559	43	4319	1.114 ug/l #		82
38) Carbon Tetrachloride	8.230	117	24123	5.663 ug/l #		15
42) 1,2-Dichloroethane	8.677	62	1030	0.233 ug/l #		73
43) Isopropyl Acetate	8.694	43	163078	23.987 ug/l #		82
45) 1,2-Dichloropropane	9.741	63	2205	0.682 ug/l #		45
48) Methyl methacrylate	9.741	41	170650	57.307 ug/l #		30
49) 1,4-Dioxane	9.747	88	114	2.167 ug/l #		1
51) 4-Methyl-2-Pentanone	10.453	43	14622	3.820 ug/l #		66
53) t-1,3-Dichloropropene	10.729	75	1262	0.273 ug/l #		87
54) cis-1,3-Dichloropropene	10.359	75	56198	11.163 ug/l #		72
56) Ethyl methacrylate	10.988	69	2141	0.497 ug/l #		1
57) 1,3-Dichloropropane	11.206	76	7739	1.454 ug/l #		42
59) 2-Hexanone	11.171	43	144446	49.332 ug/l #		19
71) Bromoform	12.853	173	1854	0.740 ug/l #		1
74) N-amyl acetate	12.488	43	1553	0.279 ug/l #		36
76) 1,2,3-Trichloropropane	12.853	75	104010	26.322 ug/l #		1
81) trans-1,4-Dichloro-2-b...	12.853	75	104010	71.616 ug/l #		15

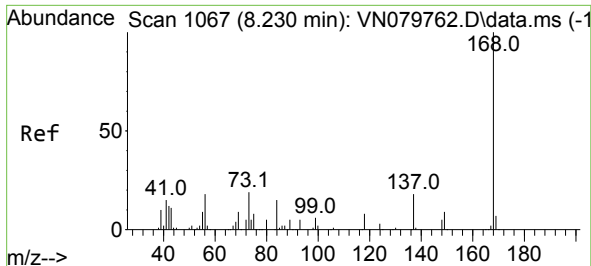
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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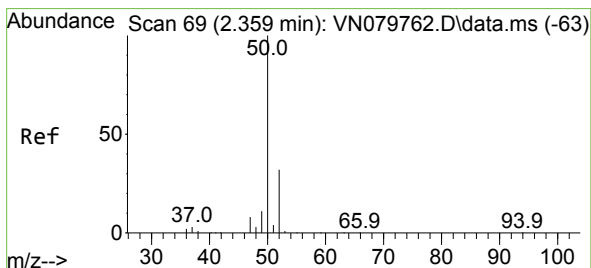
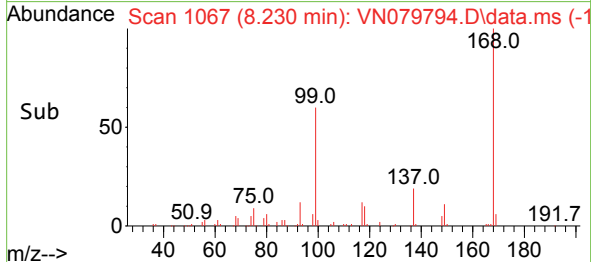
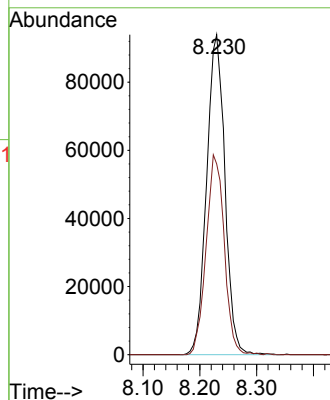
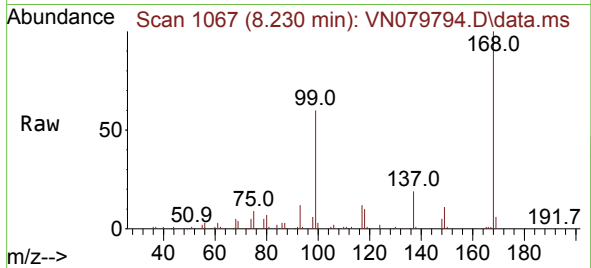




#1
Pentafluorobenzene
Concen: 50.000 ug/l
RT: 8.230 min Scan# 10
Delta R.T. 0.001 min
Lab File: VN079794.D
Acq: 02 Nov 2023 14:00

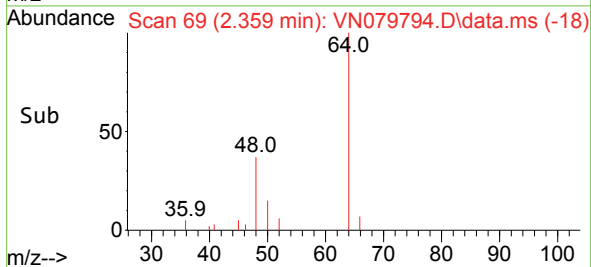
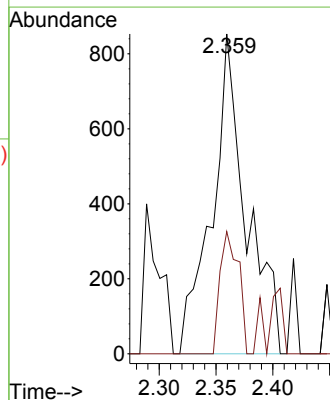
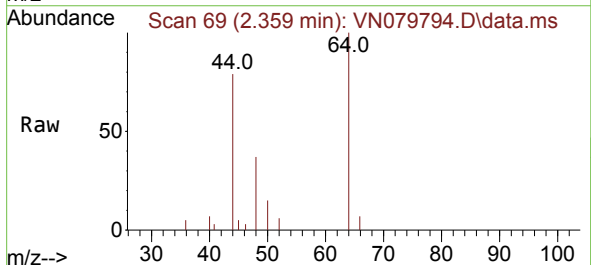
Instrument :
MSVOA_N
ClientSampleId :
PB156789TB

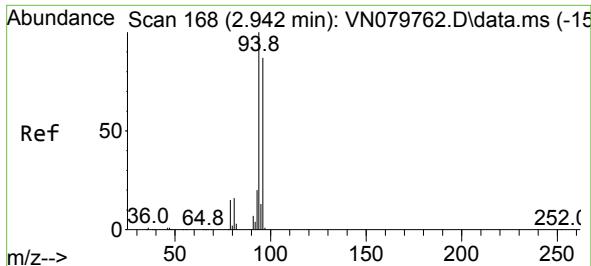
Tgt Ion:168 Resp: 209278
Ion Ratio Lower Upper
168 100
99 59.6 53.0 79.6



#3
Chloromethane
Concen: Below Cal
RT: 2.359 min Scan# 69
Delta R.T. 0.000 min
Lab File: VN079794.D
Acq: 02 Nov 2023 14:00

Tgt Ion: 50 Resp: 1791
Ion Ratio Lower Upper
50 100
52 38.2 26.5 39.7

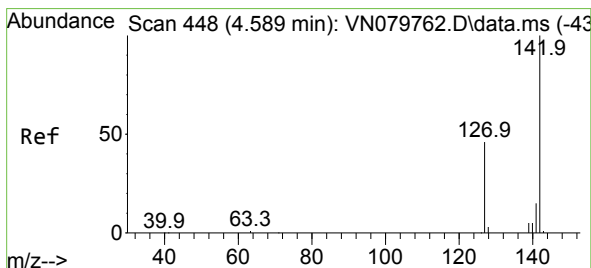
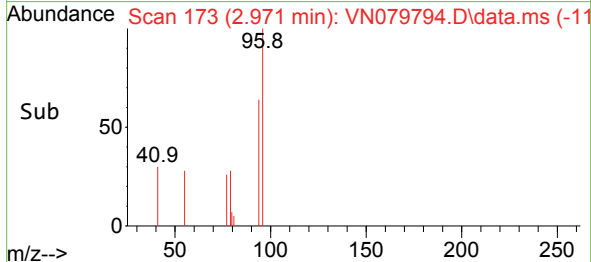
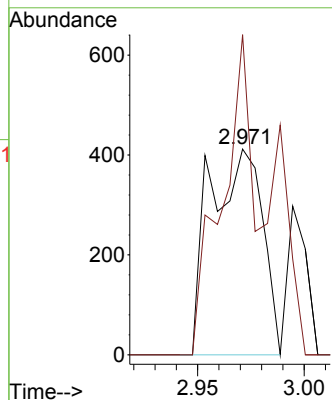
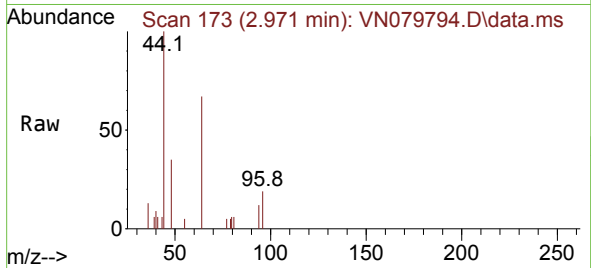




#5
Bromomethane
Concen: 0.350 ug/l
RT: 2.971 min Scan# 11
Delta R.T. 0.018 min
Lab File: VN079794.D
Acq: 02 Nov 2023 14:00

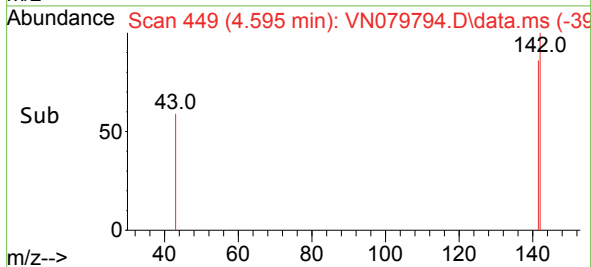
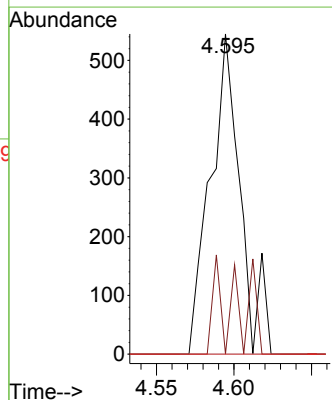
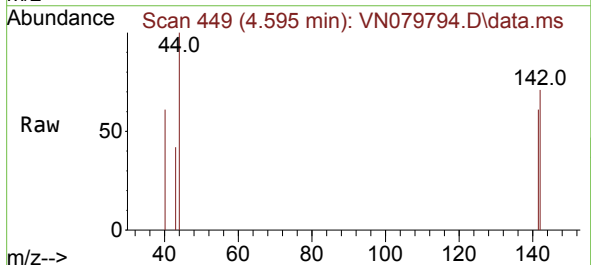
Instrument :
MSVOA_N
ClientSampleId :
PB156789TB

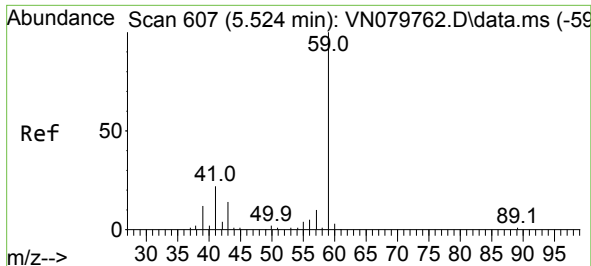
Tgt Ion: 94 Resp: 702
Ion Ratio Lower Upper
94 100
96 155.6 73.1 109.7#



#10
Methyl Iodide
Concen: 0.270 ug/l
RT: 4.595 min Scan# 449
Delta R.T. 0.000 min
Lab File: VN079794.D
Acq: 02 Nov 2023 14:00

Tgt Ion:142 Resp: 734
Ion Ratio Lower Upper
142 100
127 0.0 37.6 56.4#
141 46.2 11.4 17.0#

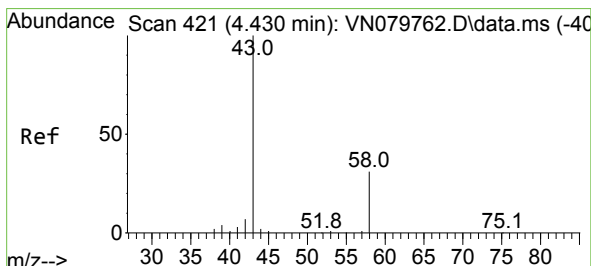
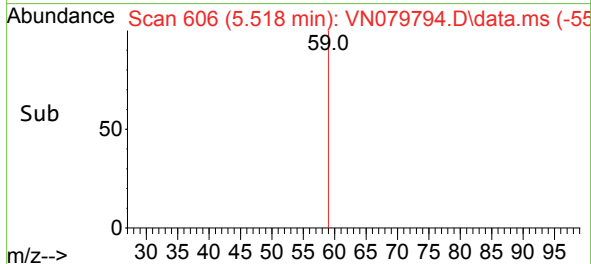
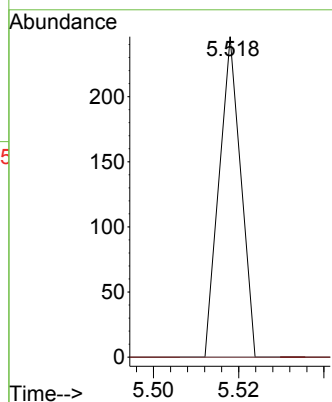
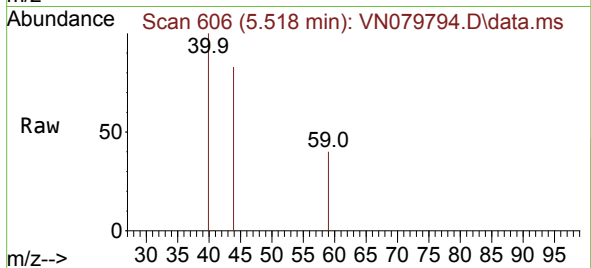




#11
Tert butyl alcohol
Concen: 0.214 ug/l
RT: 5.518 min Scan# 607
Delta R.T. 0.000 min
Lab File: VN079794.D
Acq: 02 Nov 2023 14:00

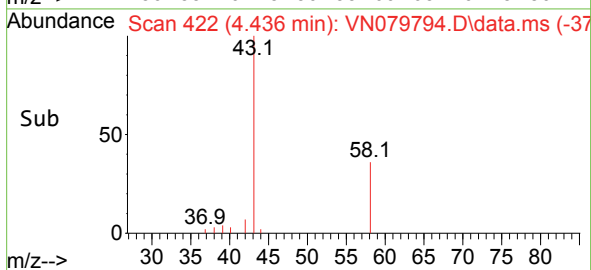
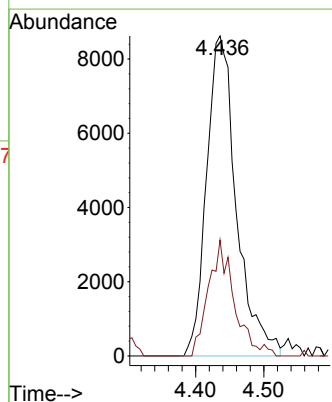
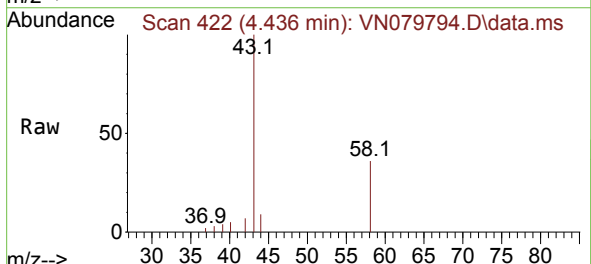
Instrument :
MSVOA_N
ClientSampleId :
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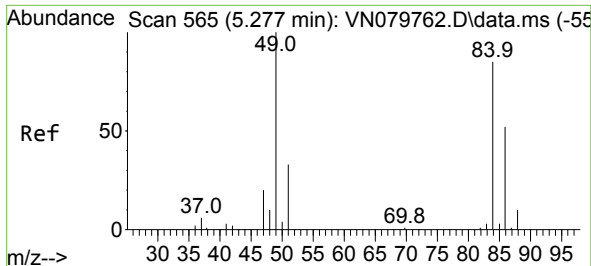
Tgt Ion: 59 Resp: 87
Ion Ratio Lower Upper
59 100
57 0.0 8.2 12.4#



#16
Acetone
Concen: 23.434 ug/l
RT: 4.436 min Scan# 422
Delta R.T. 0.006 min
Lab File: VN079794.D
Acq: 02 Nov 2023 14:00

Tgt Ion: 43 Resp: 26245
Ion Ratio Lower Upper
43 100
58 37.1 28.0 42.0

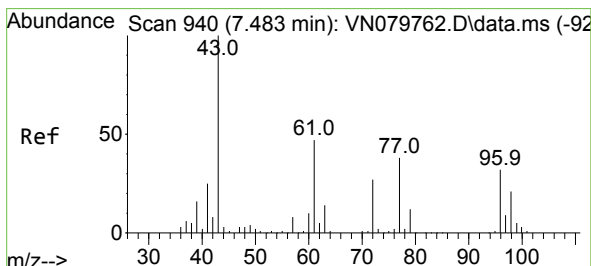
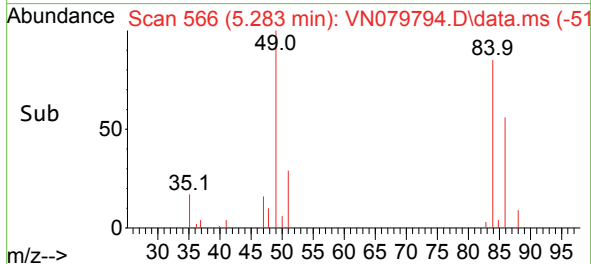
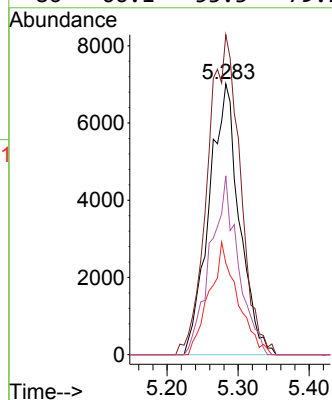
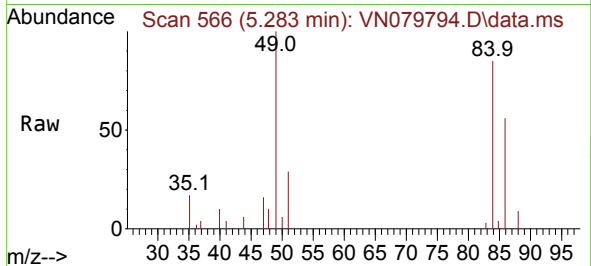




#20
Methylene Chloride
Concen: 7.362 ug/l
RT: 5.283 min Scan# 51
Delta R.T. 0.012 min
Lab File: VN079794.D
Acq: 02 Nov 2023 14:00

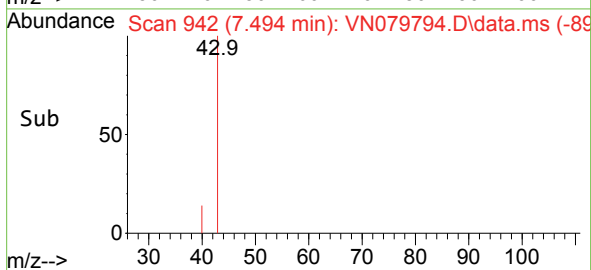
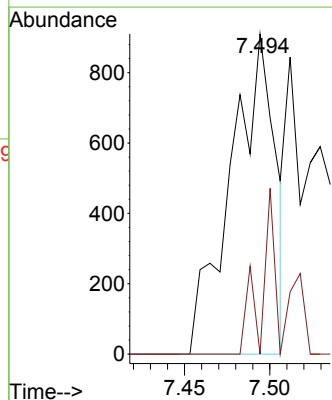
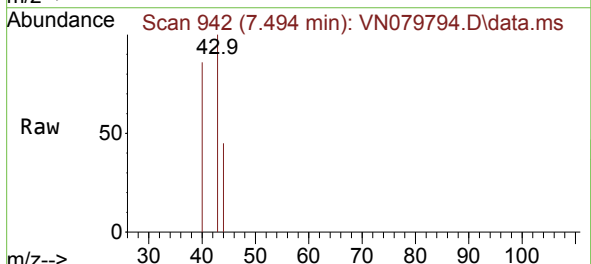
Instrument :
MSVOA_N
ClientSampleId :
PB156789TB

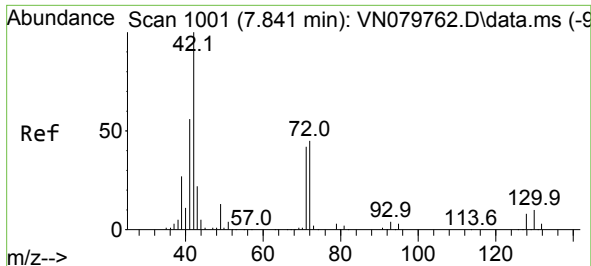
Tgt Ion:	84	Resp:	20805
Ion	Ratio	Lower	Upper
84	100		
49	118.2	79.7	119.5
51	33.9	25.2	37.8
86	66.1	53.3	79.9



#25
2-Butanone
Concen: 1.001 ug/l
RT: 7.494 min Scan# 942
Delta R.T. 0.006 min
Lab File: VN079794.D
Acq: 02 Nov 2023 14:00

Tgt Ion:	43	Resp:	1641
Ion	Ratio	Lower	Upper
43	100		
72	0.0	30.2	45.2#





#29

Tetrahydrofuran

Concen: 0.370 ug/l

RT: 7.853 min Scan# 1003

Delta R.T. 0.012 min

Lab File: VN079794.D

Acq: 02 Nov 2023 14:00

Instrument :

MSVOA_N

ClientSampleId :

PB156789TB

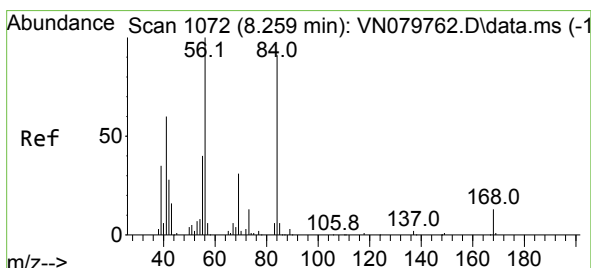
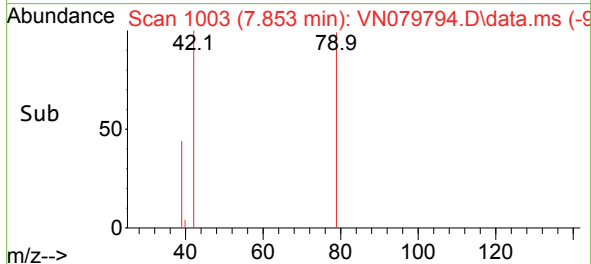
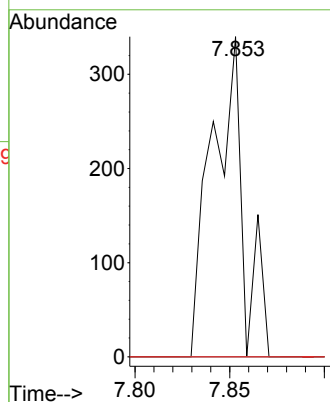
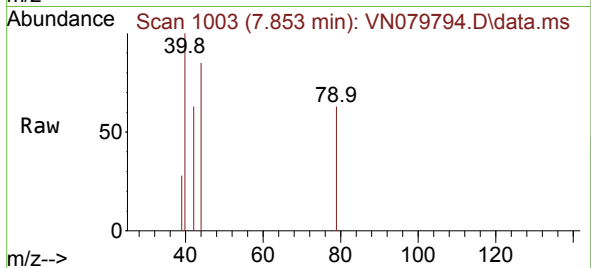
Tgt Ion: 42 Resp: 395

Ion Ratio Lower Upper

42 100

72 0.0 49.8 74.6#

71 0.0 47.4 71.2#



#31

Cyclohexane

Concen: 1.469 ug/l

RT: 8.230 min Scan# 1067

Delta R.T. -0.029 min

Lab File: VN079794.D

Acq: 02 Nov 2023 14:00

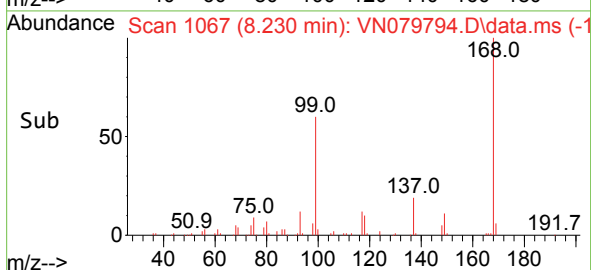
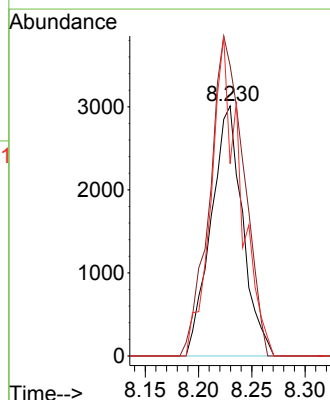
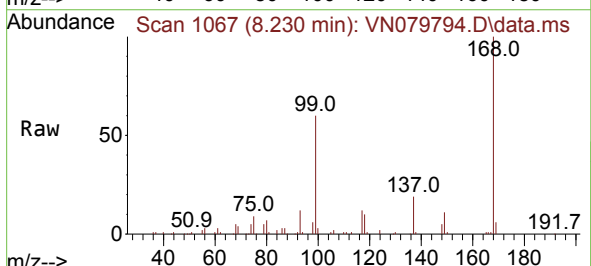
Tgt Ion: 56 Resp: 6191

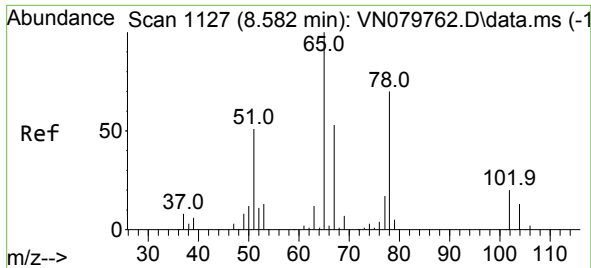
Ion Ratio Lower Upper

56 100

69 116.1 26.8 40.2#

84 76.9 81.8 122.6#

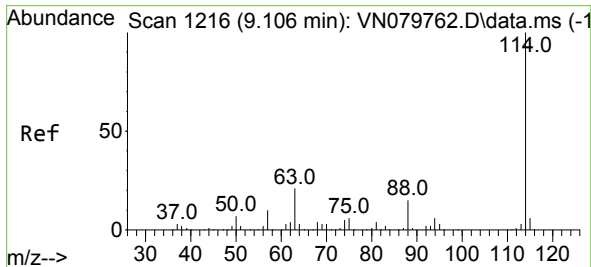
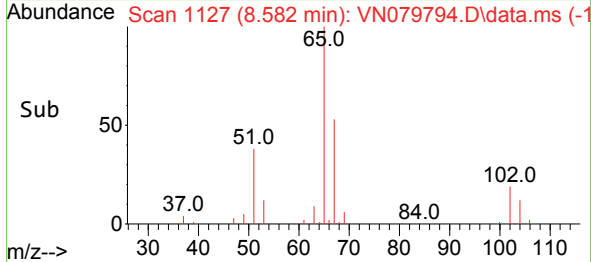
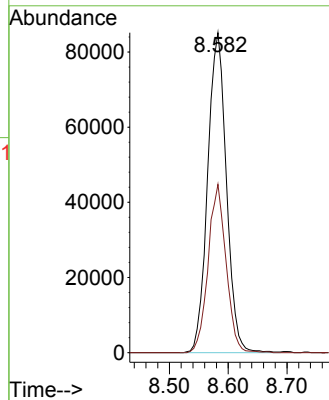
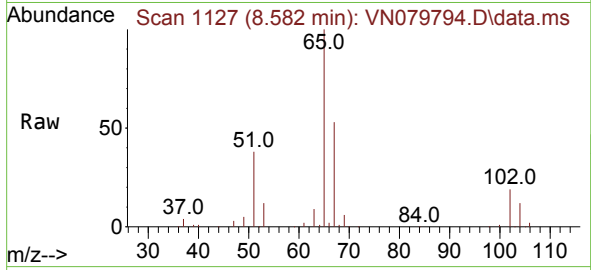




#33
 1,2-Dichloroethane-d4
 Concen: 59.207 ug/l
 RT: 8.582 min Scan# 1127
 Delta R.T. 0.000 min
 Lab File: VN079794.D
 Acq: 02 Nov 2023 14:00

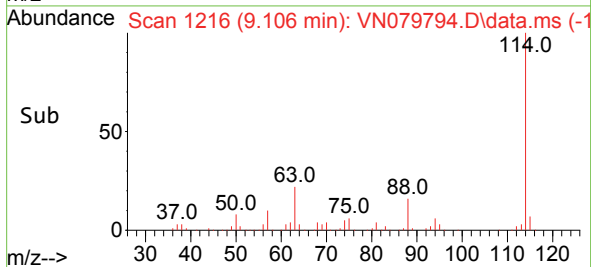
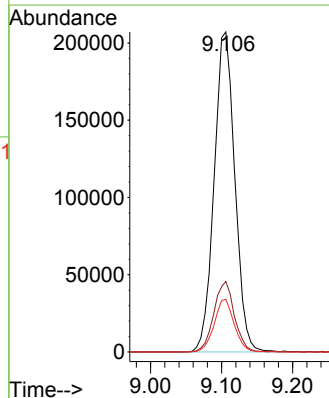
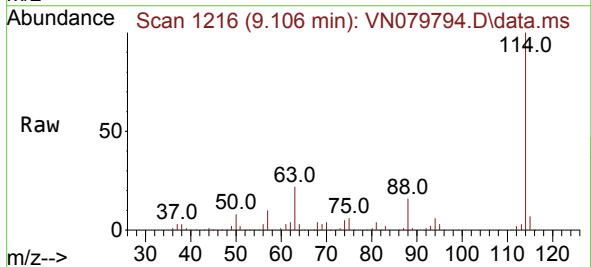
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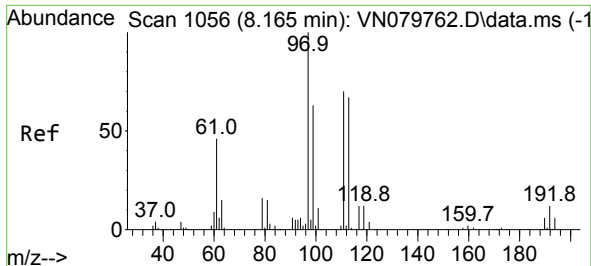
Tgt Ion: 65 Resp: 188778
 Ion Ratio Lower Upper
 65 100
 67 50.5 0.0 106.6



#34
 1,4-Difluorobenzene
 Concen: 50.000 ug/l
 RT: 9.106 min Scan# 1216
 Delta R.T. 0.000 min
 Lab File: VN079794.D
 Acq: 02 Nov 2023 14:00

Tgt Ion: 114 Resp: 418283
 Ion Ratio Lower Upper
 114 100
 63 22.1 0.0 36.4
 88 16.5 0.0 30.6

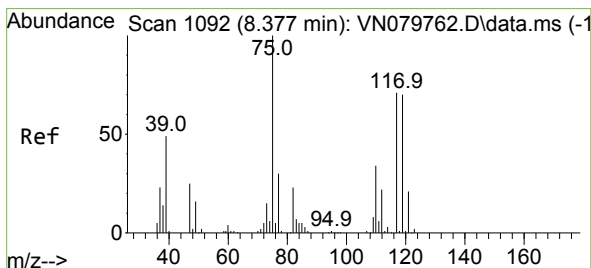
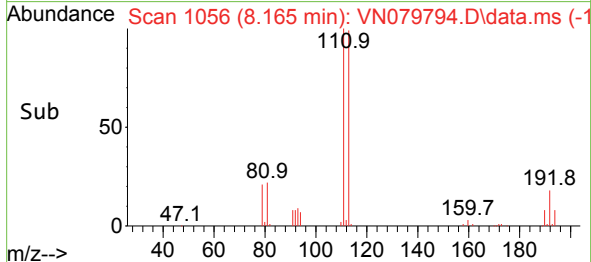
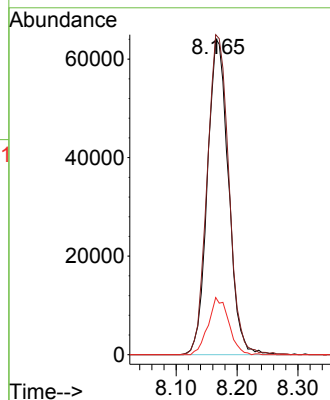
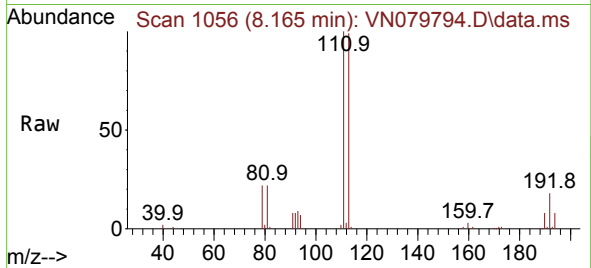




#35
Dibromofluoromethane
Concen: 51.992 ug/l
RT: 8.165 min Scan# 1056
Delta R.T. -0.006 min
Lab File: VN079794.D
Acq: 02 Nov 2023 14:00

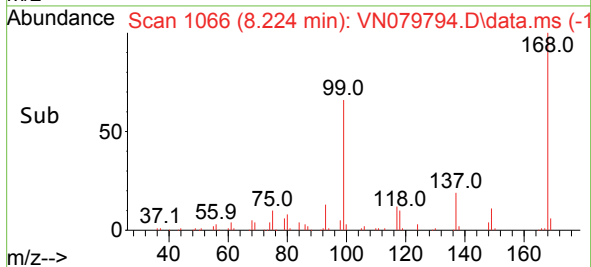
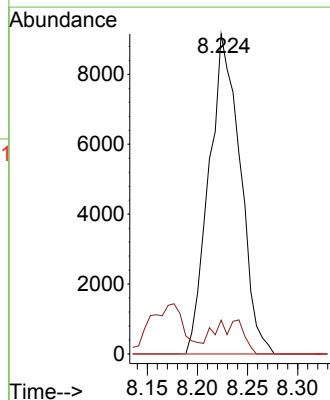
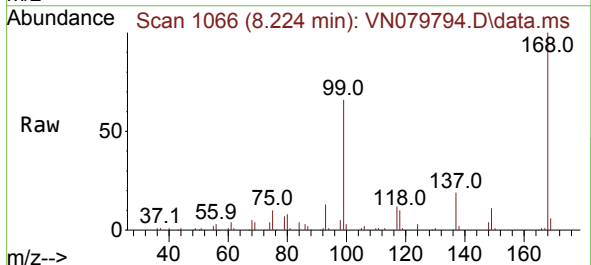
Instrument :
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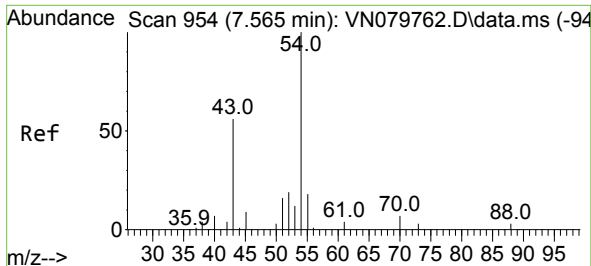
Tgt Ion:113 Resp: 153919
Ion Ratio Lower Upper
113 100
111 104.6 82.6 123.8
192 17.8 12.7 19.1



#36
1,1-Dichloropropene
Concen: 4.681 ug/l
RT: 8.224 min Scan# 1066
Delta R.T. -0.153 min
Lab File: VN079794.D
Acq: 02 Nov 2023 14:00

Tgt Ion: 75 Resp: 19786
Ion Ratio Lower Upper
75 100
110 9.7 19.1 57.3#
77 0.0 25.0 37.4#

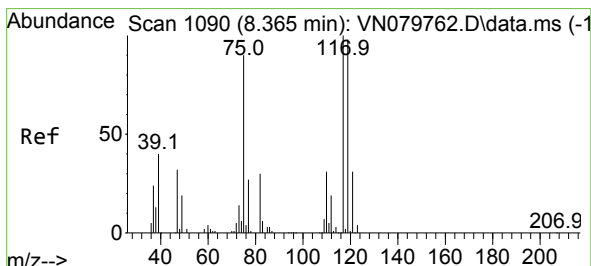
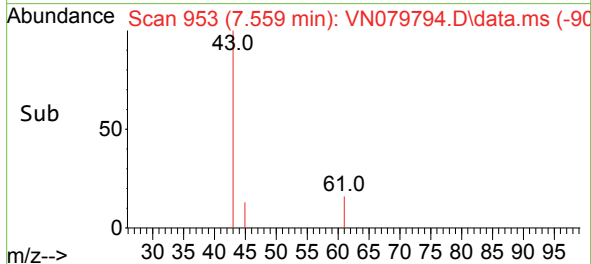
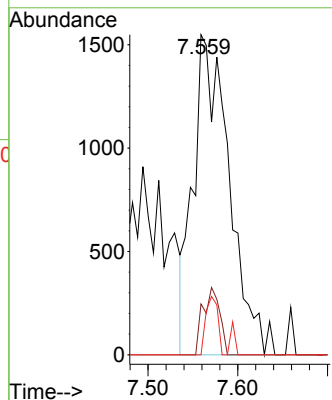
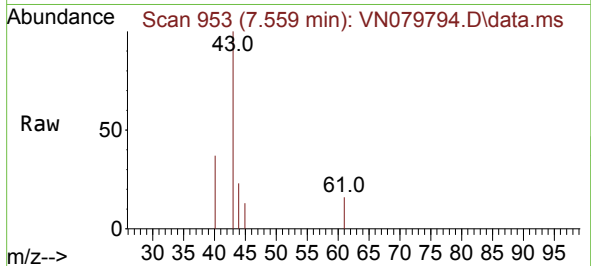




#37
Ethyl Acetate
Concen: 1.114 ug/l
RT: 7.559 min Scan# 91
Delta R.T. -0.006 min
Lab File: VN079794.D
Acq: 02 Nov 2023 14:00

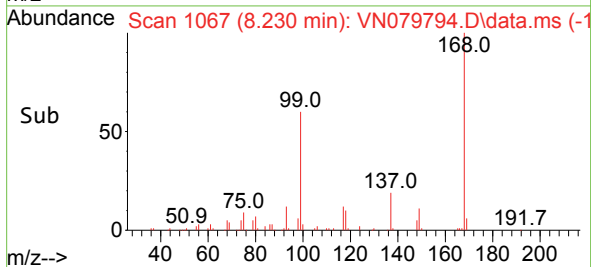
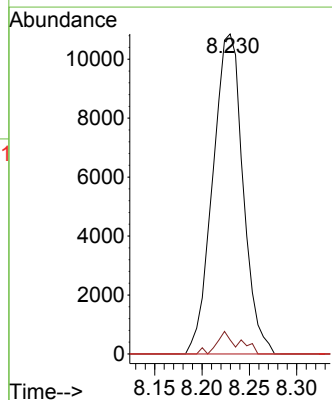
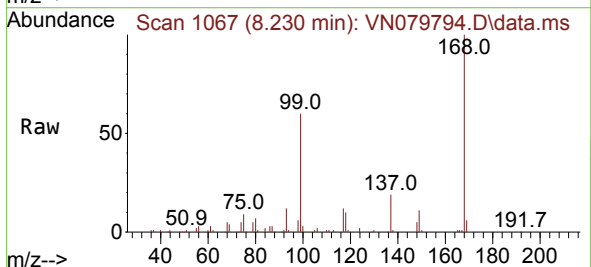
Instrument :
MSVOA_N
ClientSampleId :
PB156789TB

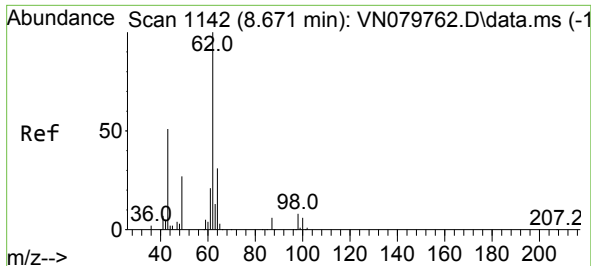
Tgt Ion: 43 Resp: 4319
Ion Ratio Lower Upper
43 100
61 9.8 13.2 19.8#
70 6.0 11.3 16.9#



#38
Carbon Tetrachloride
Concen: 5.663 ug/l
RT: 8.230 min Scan# 1067
Delta R.T. -0.129 min
Lab File: VN079794.D
Acq: 02 Nov 2023 14:00

Tgt Ion: 117 Resp: 24123
Ion Ratio Lower Upper
117 100
119 4.4 77.3 115.9#
121 0.0 23.3 34.9#





#42

1,2-Dichloroethane

Concen: 0.233 ug/l

RT: 8.677 min Scan# 1143

Delta R.T. 0.006 min

Lab File: VN079794.D

Acq: 02 Nov 2023 14:00

Instrument :

MSVOA_N

ClientSampleId :

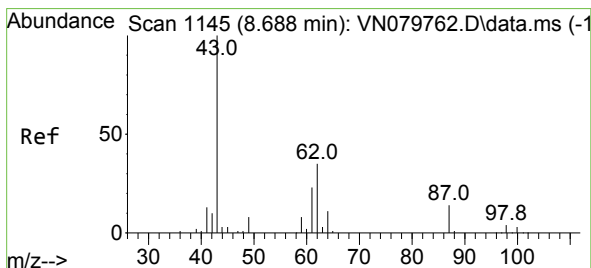
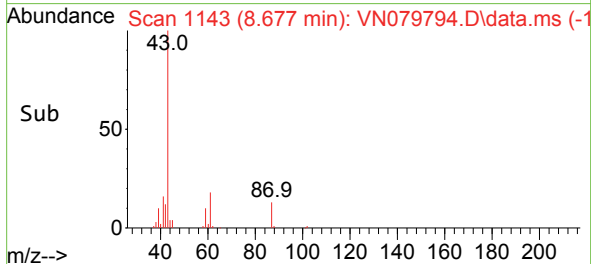
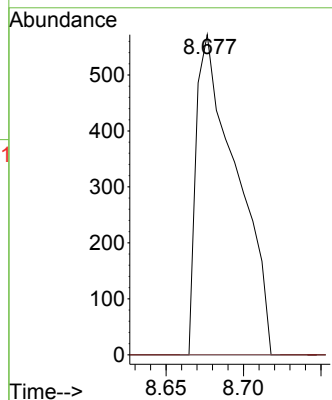
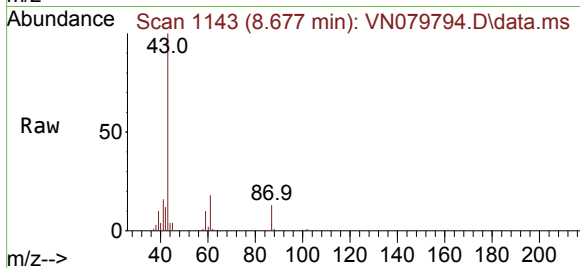
PB156789TB

Tgt Ion: 62 Resp: 1030

Ion Ratio Lower Upper

62 100

98 0.0 0.0 19.8



#43

Isopropyl Acetate

Concen: 23.987 ug/l

RT: 8.694 min Scan# 1146

Delta R.T. 0.006 min

Lab File: VN079794.D

Acq: 02 Nov 2023 14:00

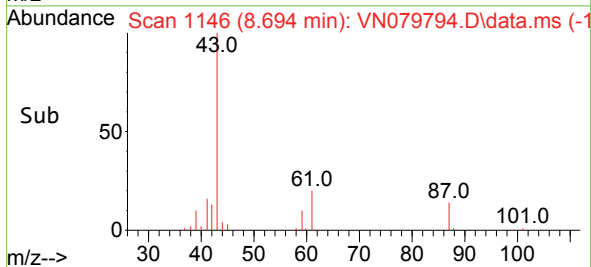
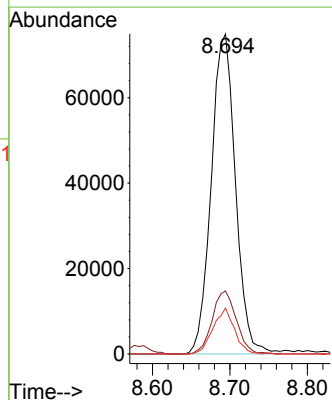
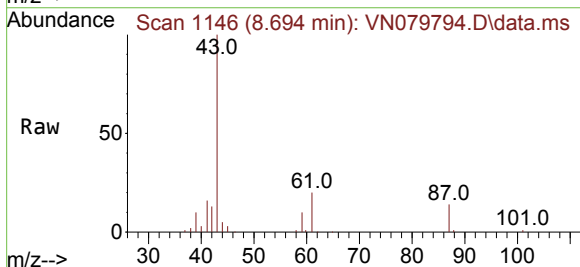
Tgt Ion: 43 Resp: 163078

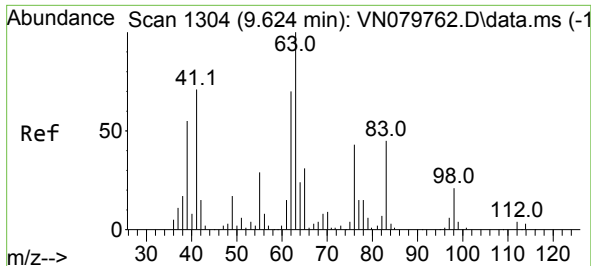
Ion Ratio Lower Upper

43 100

61 19.6 24.7 37.1#

87 12.7 14.6 21.8#





#45

1,2-Dichloropropane

Concen: 0.682 ug/l

RT: 9.741 min Scan# 1324

Delta R.T. 0.118 min

Lab File: VN079794.D

Acq: 02 Nov 2023 14:00

Instrument :

MSVOA_N

ClientSampleId :

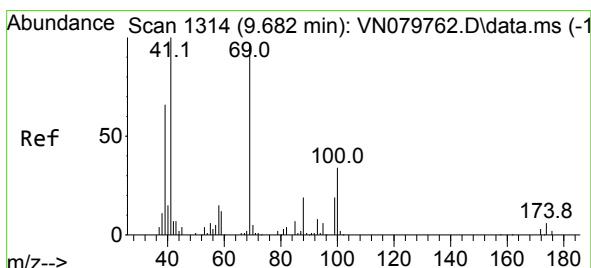
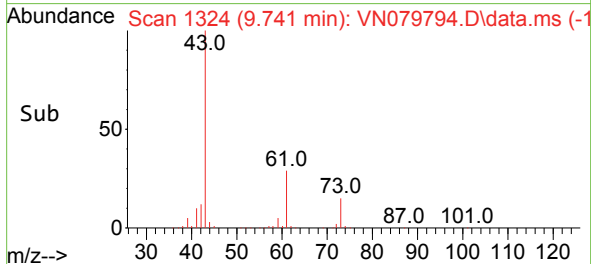
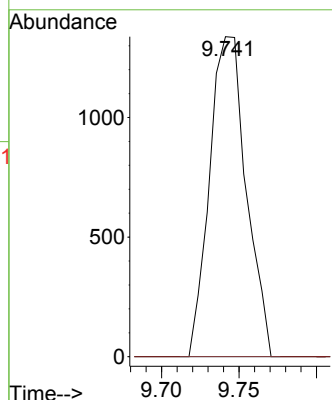
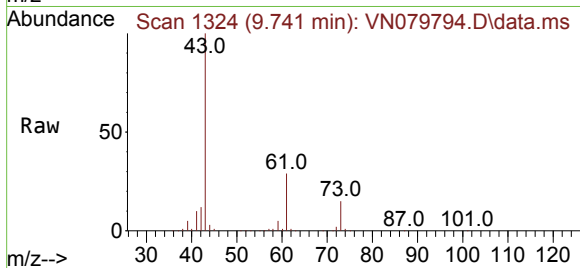
PB156789TB

Tgt Ion: 63 Resp: 2205

Ion Ratio Lower Upper

63 100

65 0.0 23.9 35.9#



#48

Methyl methacrylate

Concen: 57.307 ug/l

RT: 9.741 min Scan# 1324

Delta R.T. 0.059 min

Lab File: VN079794.D

Acq: 02 Nov 2023 14:00

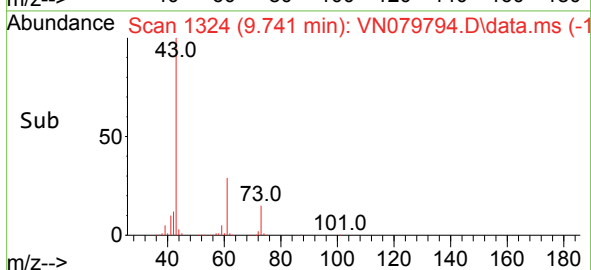
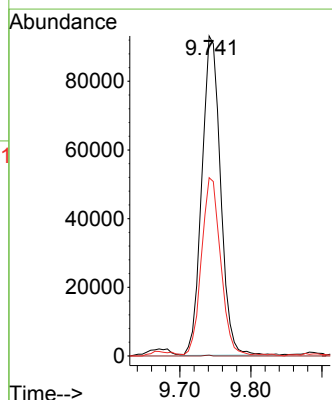
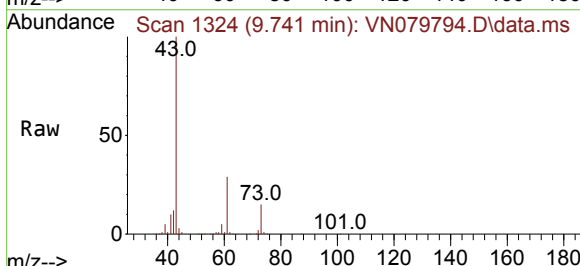
Tgt Ion: 41 Resp: 170650

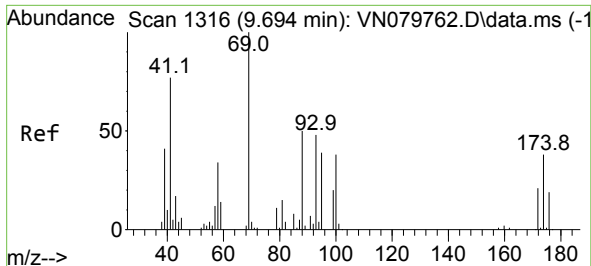
Ion Ratio Lower Upper

41 100

69 0.1 90.4 135.6#

39 57.9 54.6 81.8





#49

1,4-Dioxane

Concen: 2.167 ug/l

RT: 9.747 min Scan# 11

Delta R.T. 0.053 min

Lab File: VN079794.D

Acq: 02 Nov 2023 14:00

Instrument :

MSVOA_N

ClientSampleId :

PB156789TB

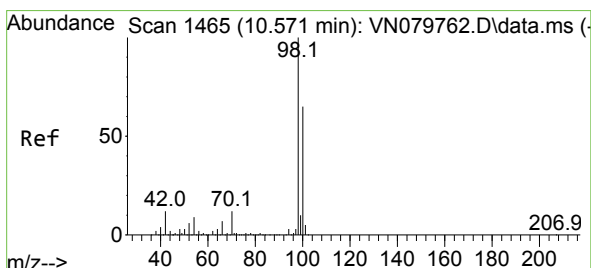
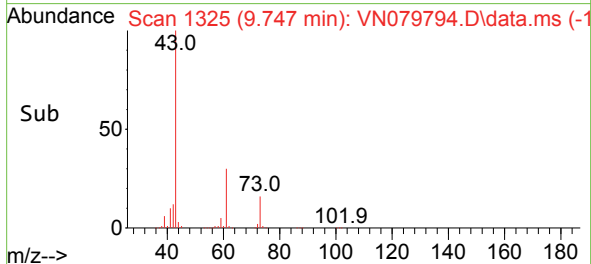
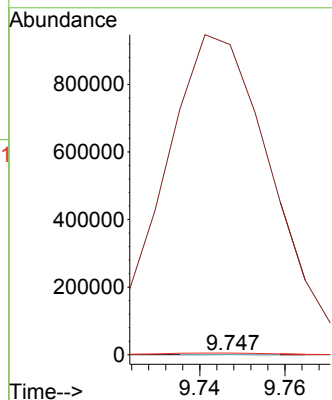
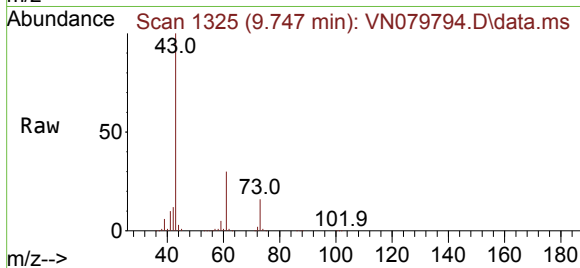
Tgt Ion: 88 Resp: 114

Ion Ratio Lower Upper

88 100

43 1506714.0 17.0 25.6#

58 8652.6 47.0 70.4#



#50

Toluene-d8

Concen: 53.580 ug/l

RT: 10.571 min Scan# 1465

Delta R.T. 0.000 min

Lab File: VN079794.D

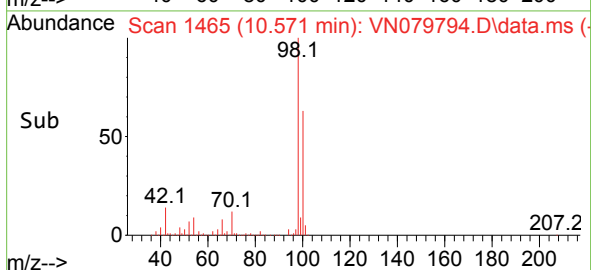
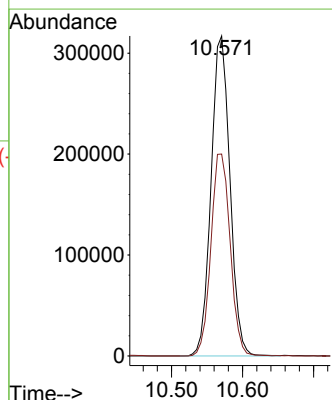
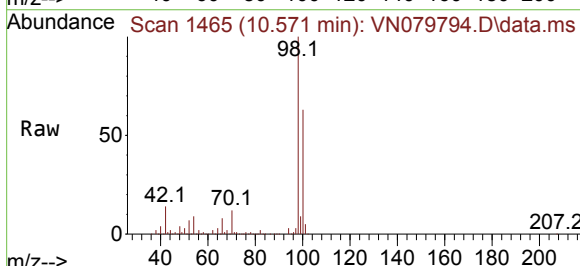
Acq: 02 Nov 2023 14:00

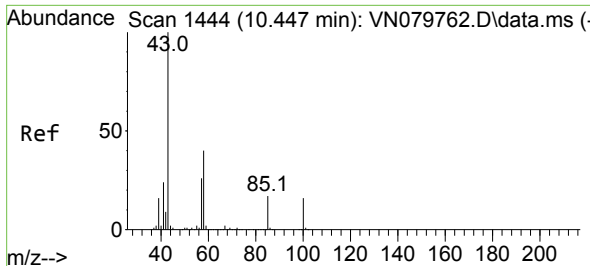
Tgt Ion: 98 Resp: 583934

Ion Ratio Lower Upper

98 100

100 64.5 52.0 78.0

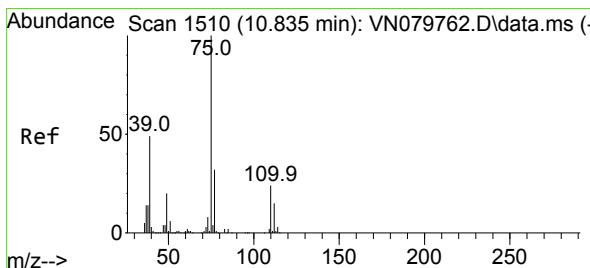
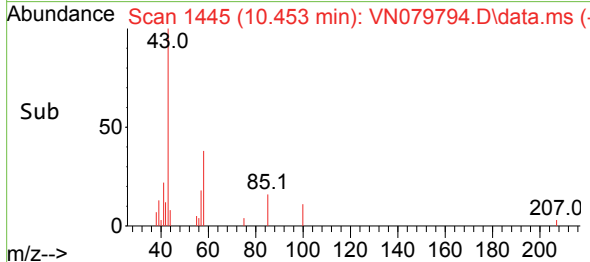
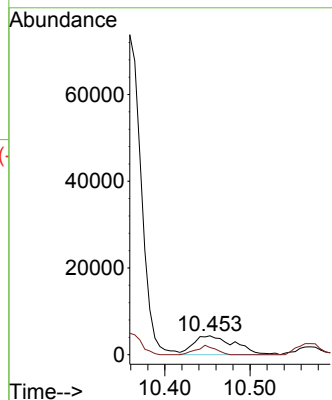
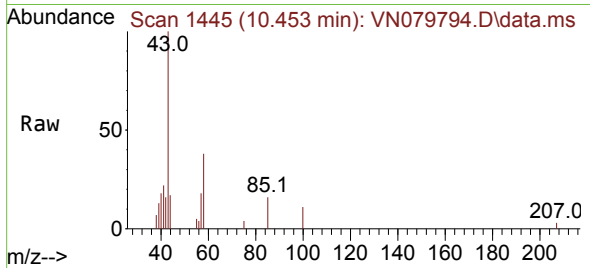




#51
4-Methyl-2-Pentanone
Concen: 3.820 ug/l
RT: 10.453 min Scan# 1445
Delta R.T. 0.006 min
Lab File: VN079794.D
Acq: 02 Nov 2023 14:00

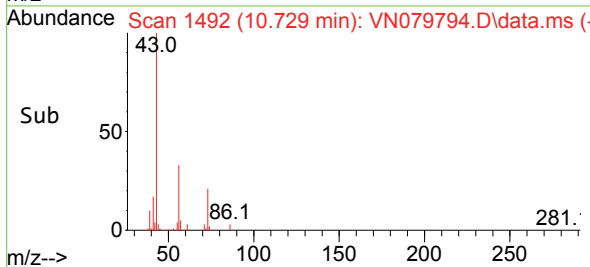
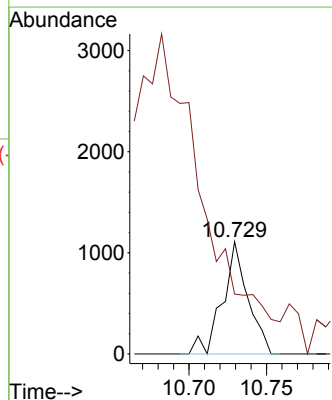
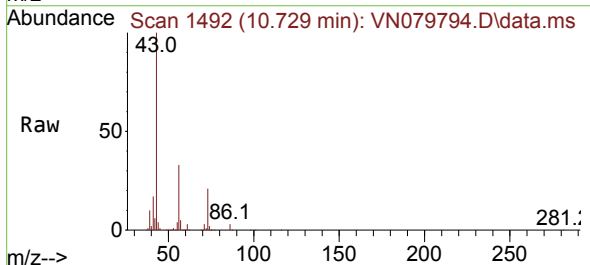
Instrument :
MSVOA_N
ClientSampleId :
PB156789TB

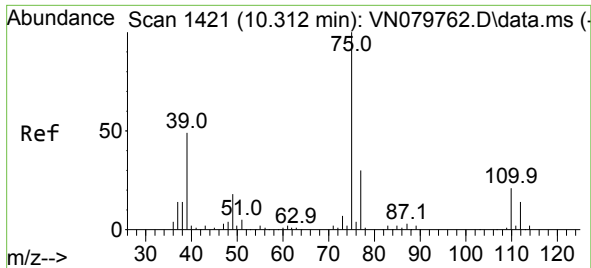
Tgt Ion: 43 Resp: 14622
Ion Ratio Lower Upper
43 100
58 23.1 36.6 54.8#



#53
t-1,3-Dichloropropene
Concen: 0.273 ug/l
RT: 10.729 min Scan# 1492
Delta R.T. -0.112 min
Lab File: VN079794.D
Acq: 02 Nov 2023 14:00

Tgt Ion: 75 Resp: 1262
Ion Ratio Lower Upper
75 100
77 24.7 25.4 38.0#

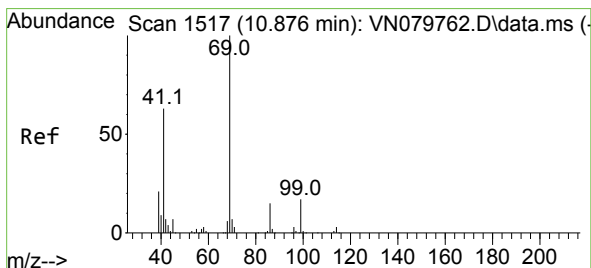
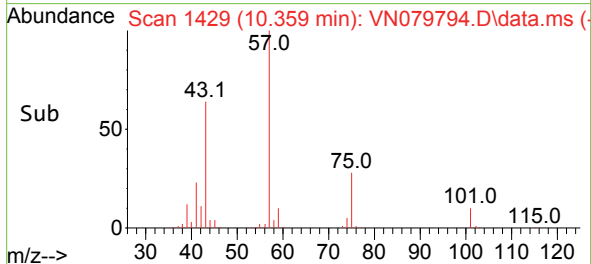
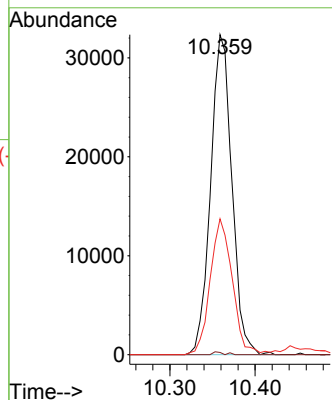
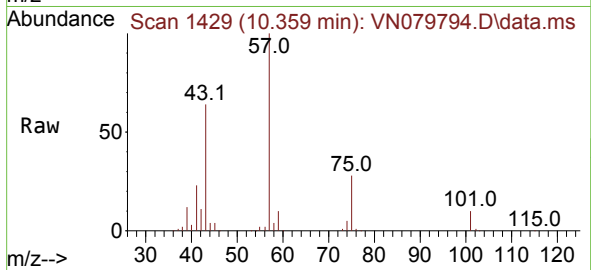




#54
cis-1,3-Dichloropropene
Concen: 11.163 ug/l
RT: 10.359 min Scan# 1429
Delta R.T. 0.041 min
Lab File: VN079794.D
Acq: 02 Nov 2023 14:00

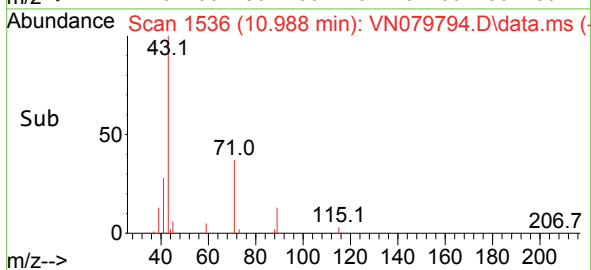
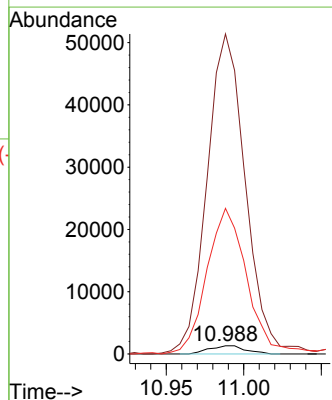
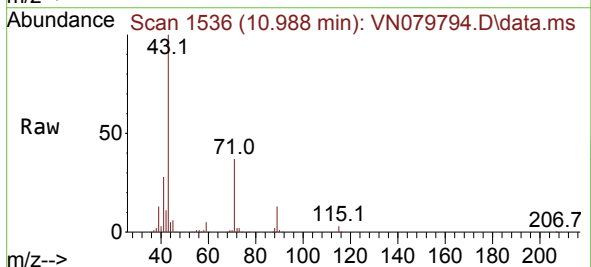
Instrument :
MSVOA_N
ClientSampleId :
PB156789TB

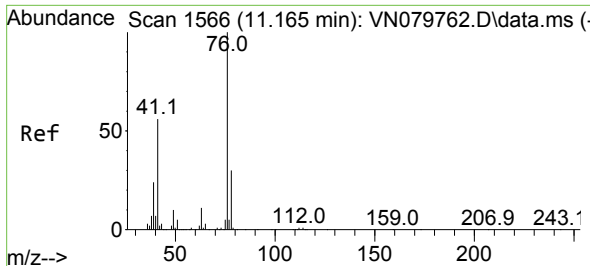
Tgt Ion: 75 Resp: 56198
Ion Ratio Lower Upper
75 100
77 0.7 26.1 39.1#
39 42.4 31.6 47.4



#56
Ethyl methacrylate
Concen: 0.497 ug/l
RT: 10.988 min Scan# 1536
Delta R.T. 0.112 min
Lab File: VN079794.D
Acq: 02 Nov 2023 14:00

Tgt Ion: 69 Resp: 2141
Ion Ratio Lower Upper
69 100
41 4153.2 39.6 59.4#
39 1973.1 28.6 43.0#

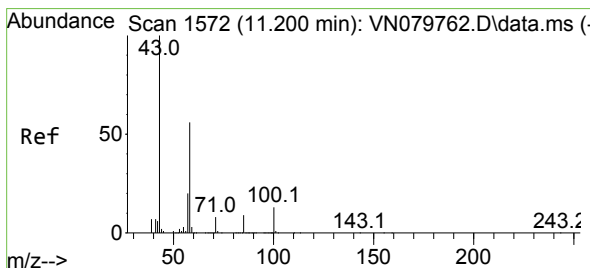
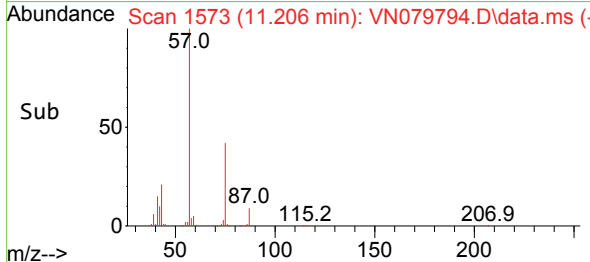
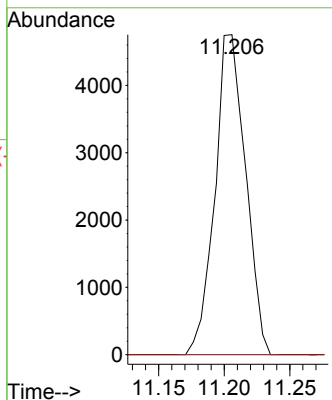
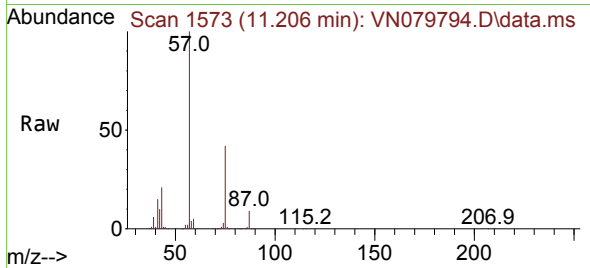




#57
1,3-Dichloropropane
Concen: 1.454 ug/l
RT: 11.206 min Scan# 111
Delta R.T. 0.041 min
Lab File: VN079794.D
Acq: 02 Nov 2023 14:00

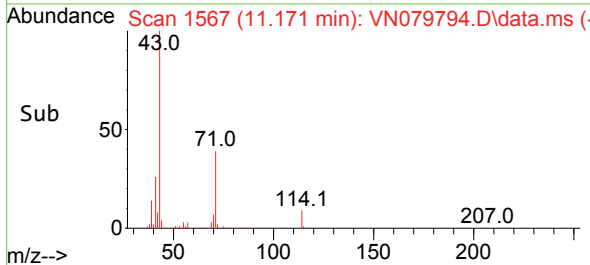
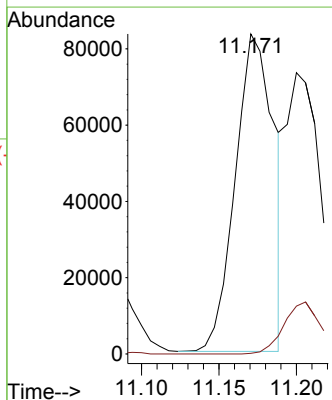
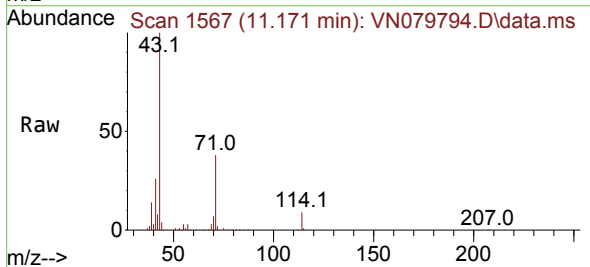
Instrument :
MSVOA_N
ClientSampleId :
PB156789TB

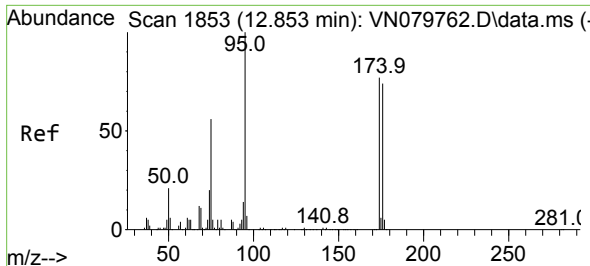
Tgt Ion: 76 Resp: 7739
Ion Ratio Lower Upper
76 100
78 0.0 26.1 39.1#



#59
2-Hexanone
Concen: 49.332 ug/l
RT: 11.171 min Scan# 1567
Delta R.T. -0.029 min
Lab File: VN079794.D
Acq: 02 Nov 2023 14:00

Tgt Ion: 43 Resp: 144446
Ion Ratio Lower Upper
43 100
58 0.0 31.7 95.1#

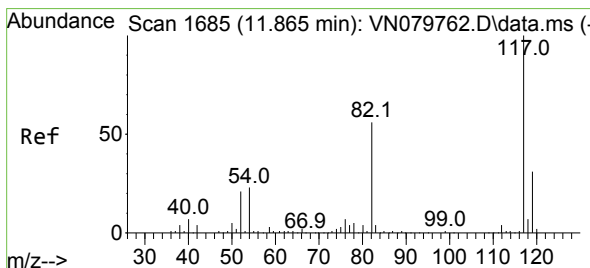
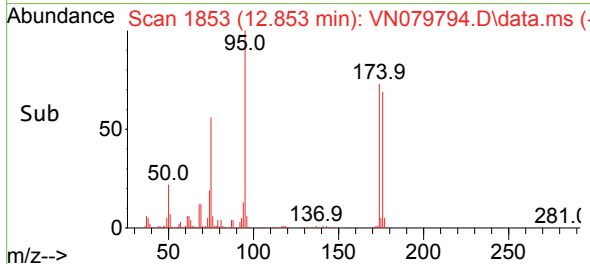
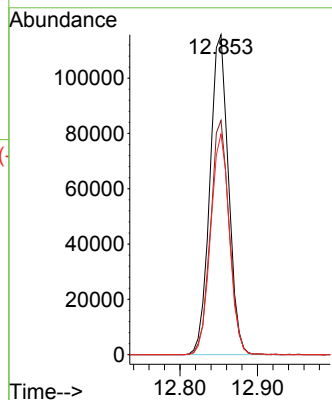
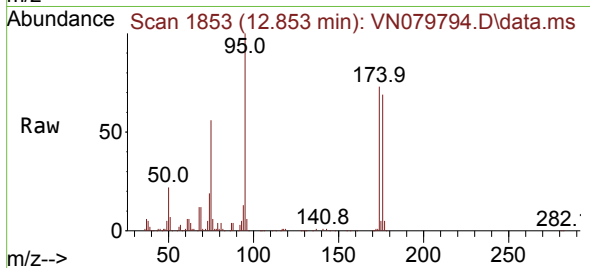




#62
4-Bromofluorobenzene
Concen: 53.244 ug/l
RT: 12.853 min Scan# 1853
Delta R.T. 0.000 min
Lab File: VN079794.D
Acq: 02 Nov 2023 14:00

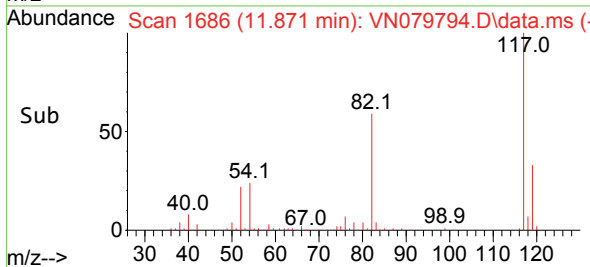
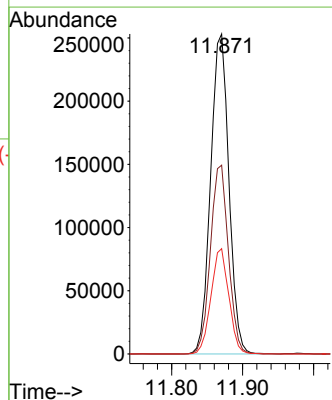
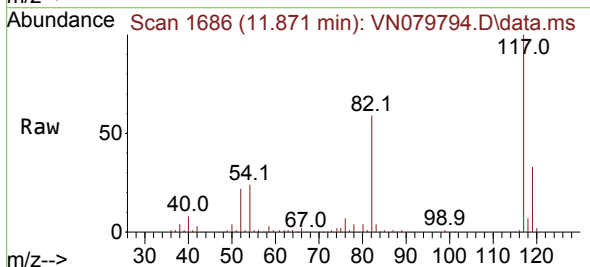
Instrument :
MSVOA_N
ClientSampleId :
PB156789TB

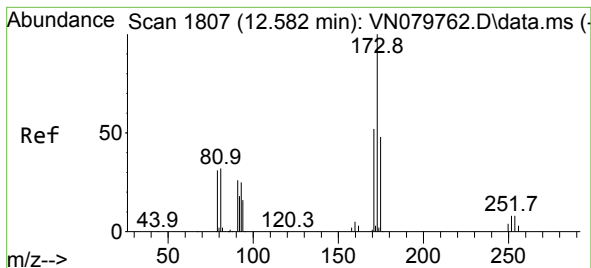
Tgt Ion: 95 Resp: 192449
Ion Ratio Lower Upper
95 100
174 73.9 0.0 143.8
176 69.8 0.0 135.8



#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 11.871 min Scan# 1686
Delta R.T. 0.000 min
Lab File: VN079794.D
Acq: 02 Nov 2023 14:00

Tgt Ion: 117 Resp: 451433
Ion Ratio Lower Upper
117 100
82 59.0 44.0 66.0
119 32.9 25.6 38.4





#71

Bromoform

Concen: 0.740 ug/l

RT: 12.853 min Scan# 1807

Delta R.T. 0.271 min

Lab File: VN079794.D

Acq: 02 Nov 2023 14:00

Instrument :

MSVOA_N

ClientSampleId :

PB156789TB

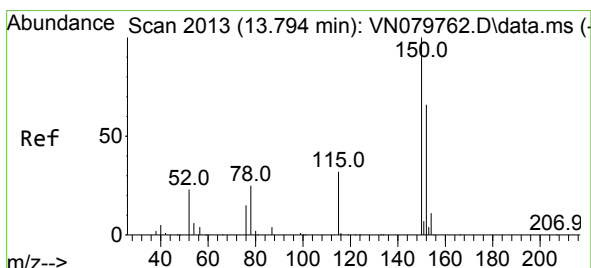
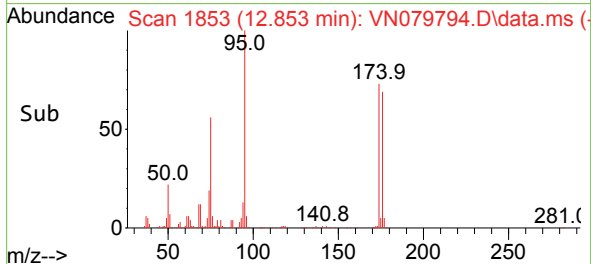
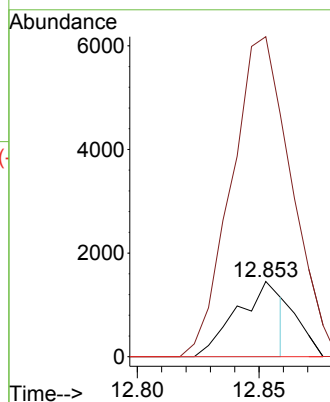
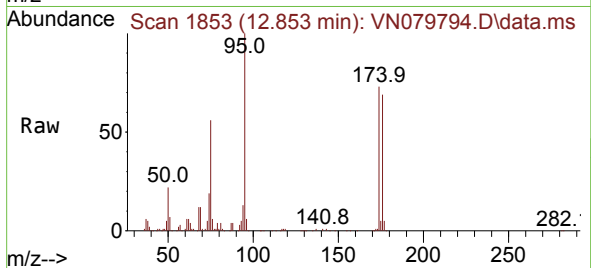
Tgt Ion:173 Resp: 1854

Ion Ratio Lower Upper

173 100

175 467.3 24.3 73.0#

254 0.0 0.0 0.0



#72

1,4-Dichlorobenzene-d4

Concen: 50.000 ug/l

RT: 13.794 min Scan# 2013

Delta R.T. 0.000 min

Lab File: VN079794.D

Acq: 02 Nov 2023 14:00

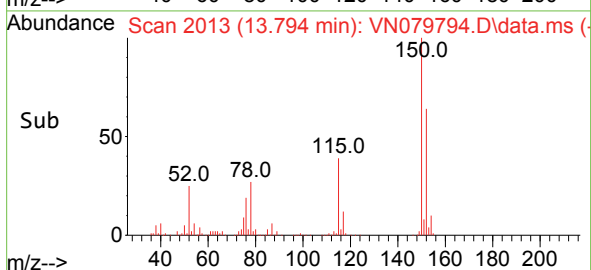
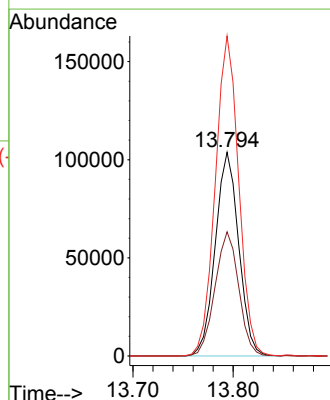
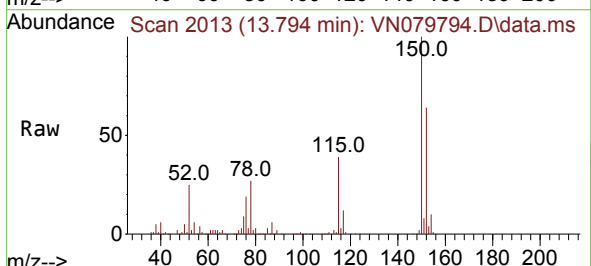
Tgt Ion:152 Resp: 168310

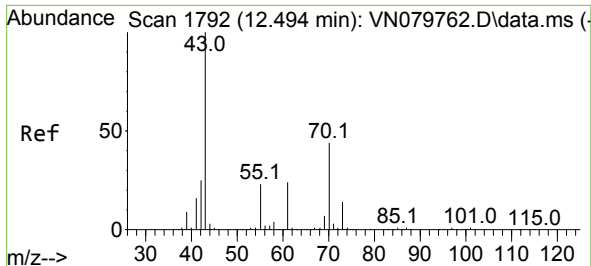
Ion Ratio Lower Upper

152 100

115 61.7 32.3 96.8

150 156.8 0.0 355.8

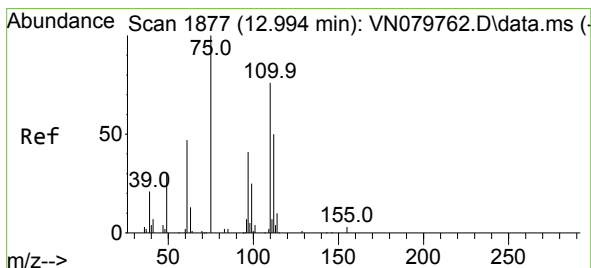
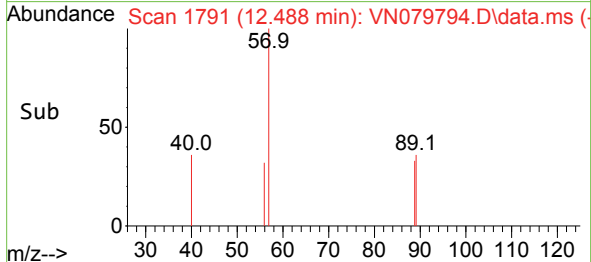
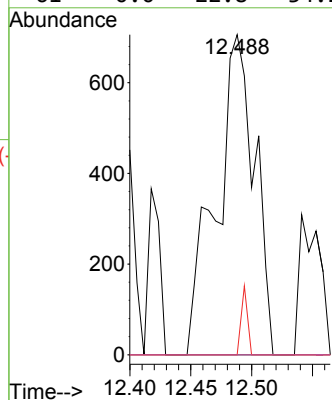
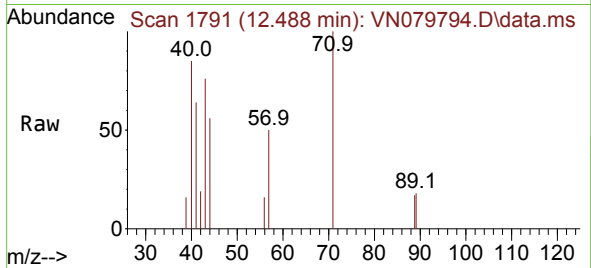




#74
N-amy1 acetate
Concen: 0.279 ug/l
RT: 12.488 min Scan# 11
Delta R.T. -0.006 min
Lab File: VN079794.D
Acq: 02 Nov 2023 14:00

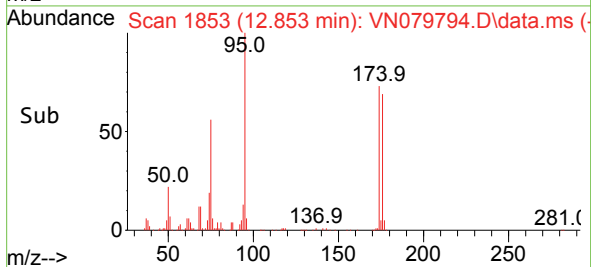
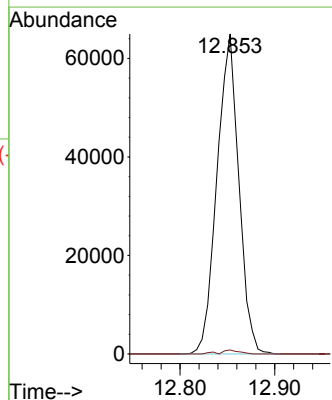
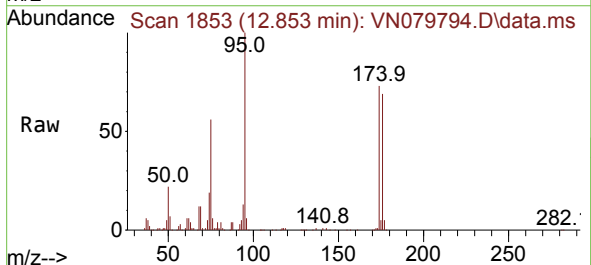
Instrument :
MSVOA_N
ClientSampleId :
PB156789TB

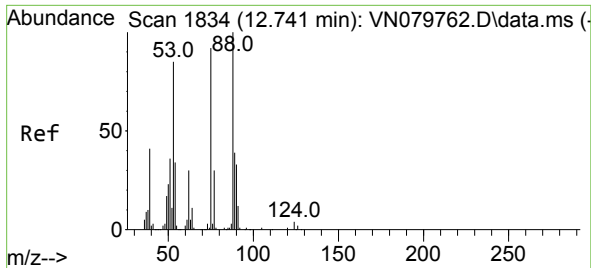
Tgt Ion: 43 Resp: 1553
Ion Ratio Lower Upper
43 100
70 0.0 43.4 65.2#
55 0.0 21.4 32.0#
61 0.0 22.8 34.2#



#76
1,2,3-Trichloropropane
Concen: 26.322 ug/l
RT: 12.853 min Scan# 1853
Delta R.T. -0.141 min
Lab File: VN079794.D
Acq: 02 Nov 2023 14:00

Tgt Ion: 75 Resp: 104010
Ion Ratio Lower Upper
75 100
77 1.1 84.5 253.5#





#81
 trans-1,4-Dichloro-2-butene
 Concen: 71.616 ug/l
 RT: 12.853 min Scan# 11
 Delta R.T. 0.118 min
 Lab File: VN079794.D
 Acq: 02 Nov 2023 14:00

Instrument :
 MSVOA_N
 ClientSampleId :
 PB156789TB

Tgt Ion: 75 Resp: 104010
 Ion Ratio Lower Upper
 75 100
 53 0.1 67.4 101.2#
 89 0.0 38.8 58.2#

